

Studer A827 MCH

Professional Multichannel Tape Recorder



Prepared and edited by:
Studer Professional Audio GmbH
Technical Documentation
Althardstrasse 30
CH-8105 Regensdorf - Switzerland
<http://www.studer.ch>

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Service Manual, Part II

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A Safety Information

<p>CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>ATTENTION RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIIR</p> <p>ACHTUNG GEFAHR: ELEKTRISCHER SCHLAG NICHT ÖFFNEN</p>	<p>To reduce the risk of electric shock, do not remove covers. No user-serviceable parts inside. Refer servicing to qualified service personnel (i.e., persons having appropriate technical training and experience necessary to be aware of hazards to which they are exposed in performing a repair action, and of measures to minimize the danger of themselves).</p>
	<p>This symbol alerts the user to the presence of un-insulated <i>dangerous voltage</i> within the equipment that may be of sufficient magnitude to constitute a risk of electric shock to a person.</p>
	<p>This symbol alerts the user to <i>important instructions</i> for operating and maintenance in this documentation.</p>
<p>CLASS I LED PRODUCT</p> <p>CLASS I LASER PRODUCT</p>	<p>Assemblies or sub-assemblies of this product can contain opto-electronic devices. As long as these devices comply with Class I of laser or LED products according to EN 60825-1:1994, they will not be expressly marked on the product. If a special design should be covered by a higher class of this standard, the device concerned will be marked directly on the assembly or sub-assembly in accordance with the above standard.</p>

A1 First Aid

In Case of Electric Shock:

Separate the person as quickly as possible from the electric power source:

- By switching off the equipment,
- By unplugging or disconnecting the mains cable, or
- By pushing the person away from the power source, using dry, insulating material (such as wood or plastic).
- After having suffered an electric shock, *always* consult a doctor.



Warning!

Do not touch the person or his clothing before the power is turned off, otherwise you stand the risk of suffering an electric shock as well!

If the Person is Unconscious:

- Lay the person down
- Turn him to one side
- Check the pulse
- Reanimate the person if respiration is poor
- *Call for a doctor immediately.*

B General Installation Instructions

Please consider besides these general instructions also any product-specific instructions in the “Installation” chapter of this manual.

B1 Unpacking

Check the equipment for any transport damage. If the unit is mechanically damaged, if liquids have been spilled or if objects have fallen into the unit, *it must not be connected to the AC power outlet, or it must be immediately disconnected by unplugging the power cable*. Repair must only be performed by trained personnel in accordance with the applicable regulations.

B2 Installation Site

Install the unit in a place where the following conditions are met:

- The temperature and the relative humidity of the environment must be within the specified limits during operation of the unit. Relevant values are the ones at the air inlets of the unit.
- Condensation must be avoided. If the unit is installed in a location with large variation of ambient temperature (e.g. in an OB-van), appropriate precautions must be taken before and after operation (for details on this subject, refer to Appendix 1).
- Unobstructed air flow is essential for proper operation. Air vents of the unit are a functional part of the design and must not be blocked in any way during operation (e.g. by objects placed upon them, placement of the unit on a soft surface, or installation of the unit within a rack or piece of furniture).
- The unit must not be heated up by external sources of heat radiation (sunlight, spot lights).

B3 Earthing and Power Supply

Earthing of units with mains supply (class I equipment) is performed via the protective earth (PE) conductor integrated in the mains cable. Units with battery operation (< 60 V, class III equipment) must be earthed separately.

Earthing the unit is one of the measures for protection against electrical shock hazard (dangerous body currents). Hazardous voltage may not only be caused by a defective power supply insulation, but may also be introduced by the connected audio or control cables.

If the unit is installed with one or several external connections, its earthing must be provided during operation as well as while the unit is not operated. If the earthing connection can be interrupted, for example, by unplugging the mains plug of an external power supply unit, an additional, permanent earthing connection must be installed using the provided earth terminal.

Avoid ground loops (hum loops) by keeping the loop surface as small as possible (by consequently guiding the earth conductors in a narrow, parallel way), and reduce the noise current flowing through the loop by inserting an additional impedance (common-mode choke).

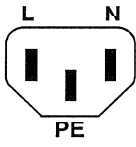
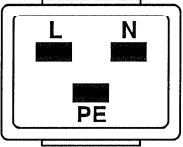
Class I Equipment (Mains Operation)

Should the equipment be delivered without a matching mains cable, the latter has to be prepared by a trained person using the attached female plug (IEC320/C13 or IEC320/C19) with respect to the applicable regulations in your country.

Before connecting the equipment to the AC power outlet, check that the local line voltage matches the equipment rating (voltage, frequency) within the admissible tolerance. The equipment fuses must be rated in accordance with the specifications on the equipment.

Equipment supplied with a 3-pole appliance inlet (protection conforming to class I equipment) *must* be connected to a 3-pole AC power outlet so that the equipment cabinet is connected to the protective earth.

For information on mains cable strain relief please refer to Appendix 2.

Female Plugs (IEC320), Front-Side View:					
 IEC 320 / C13			 IEC 320 / C19		
European Standard (CENELEC)		North American Standard (NAS)			
Brown	L (Live)	Black			
Blue	N (Neutral)	White			
Green/Yellow	PE (Protective Earth)	Green (or Green/Yellow)			

Class III Equipment (Battery Operation up to 60 V_{DC})

Equipment of this protection class must be earthed using the provided earth terminal, if one or more external signals are connected to the unit (see explanation at the beginning of this paragraph).

B4 Electromagnetic Compatibility (EMC)

The unit conforms to the protection requirements relevant to electromagnetic phenomena that are listed in guidelines 89/336/EC and FCC, part 15.

- The electromagnetic interference generated by the unit is limited in such a way that other equipment and systems can be operated normally.
- The unit is adequately protected against electromagnetic interference so that it can operate properly.

The unit has been tested and conforms to the EMC standards of the specified electromagnetic environment, as listed in the following declaration. The limits of these standards ensure protection of the environment and corresponding noise immunity of the equipment with appropriate probability. However, a professional installation and integration within the system are imperative prerequisites for operation without EMC problems.

For this purpose, the following measures must be followed:

- Install the equipment in accordance with the operating instructions. Use the supplied accessories.
- In the system and in the vicinity where the equipment is installed, use only components (systems, equipment) that also fulfill the EMC standards for the given environment.
- Use a system grounding concept that satisfies the safety requirements (class I equipment must be connected with a protective ground conduc-

tor) and that also takes into consideration the EMC requirements. When deciding between radial, surface, or combined grounding, the advantages and disadvantages should be carefully evaluated in each case.

- Use shielded cables where shielding is specified. The connection of the shield to the corresponding connector terminal or housing should have a large surface and be corrosion-proof. Please note that a cable shield connected only single-ended can act as a transmitting or receiving antenna within the corresponding frequency range.
- Avoid ground loops or reduce their adverse effects by keeping the loop surface as small as possible, and reduce the noise current flowing through the loop by inserting an additional impedance (e.g. common-mode choke).
- Reduce electrostatic discharge (ESD) of persons by installing an appropriate floor covering (e.g. a carpet with permanent electrostatic filaments) and by keeping the relative humidity above 30%. Further measures (e.g. conducting floor) are usually unnecessary and only effective if used together with corresponding personal equipment.
- When using equipment with touch-sensitive operator controls, please take care that the surrounding building structure allows for sufficient capacitive coupling of the operator. This coupling can be improved by an additional, conducting surface in the operator's area, connected to the equipment housing (e.g. metal foil underneath the floor covering, carpet with conductive backing).

C Maintenance

All air vents and openings for operating elements (faders, rotary knobs) must be checked on a regular basis, and cleaned in case of dust accumulation. For cleaning, a soft paint brush or a vacuum cleaner is recommended. Cleaning the surfaces of the unit is performed with a soft, dry cloth or a soft brush.

Persistent contamination can be treated with a cloth that is slightly humidified with a mild cleaning solution (soap-suds).

For cleaning display windows, commercially available computer/TV screen cleaners are suited. Use only a slightly damp (never wet) cloth.

Never use any solvents for cleaning the exterior of the unit! Liquids must never be sprayed or poured on directly!

For equipment-specific maintenance information please refer to the corresponding chapter in the Operating and Service Instructions manuals.

D Electrostatic Discharge during Maintenance and Repair

Caution:



Observe the precautions for handling devices sensitive to electrostatic discharge!

Many semiconductor components are sensitive to electrostatic discharge (ESD). The life-span of assemblies containing such components can be drastically reduced by improper handling during maintenance and repair work. Please observe the following rules when handling ESD sensitive components:

- ESD sensitive components should only be stored and transported in the packing material specifically provided for this purpose.
- *When performing a repair by replacing complete assemblies, the removed assembly must be sent back to the supplier in the same packing*

material in which the replacement assembly was shipped. If this should not be the case, any claim for a possible refund will be null and void.

- Unpacked ESD sensitive components should only be handled in ESD protected areas (EPA, e.g. area for field service, repair or service bench) and only be touched by persons who wear a wristlet that is connected to the ground potential of the repair or service bench by a series resistor. The equipment to be repaired or serviced as well as all tools and electrically semi-conducting work, storage, and floor mats should also be connected to this ground potential.
- The terminals of ESD sensitive components must not come in uncontrolled contact with electrostatically chargeable (voltage puncture) or metallic surfaces (discharge shock hazard).
- To prevent undefined transient stress of the components and possible damage due to inadmissible voltages or compensation currents, electrical connections should only be established or separated when the equipment is switched off and after any capacitor charges have decayed.

E Repair

Removal of housing parts, shields, etc. exposes energized parts. For this reason the following precautions must be observed:

- Maintenance may only be performed by trained personnel in accordance with the applicable regulations.
- The equipment must be switched off and disconnected from the AC power outlet before any housing parts are removed.
- Even if the equipment is disconnected from the power outlet, parts with hazardous charges (e.g. capacitors, picture tubes) must not be touched until they have been properly discharged. Do not touch hot components (power semiconductors, heat sinks, etc.) before they have cooled off.
- If maintenance is performed on a unit that is opened and switched on, no un-insulated circuit components and metallic semiconductor housings must be touched, neither with your bare hands nor with un-insulated tools.

Certain components pose additional hazards:

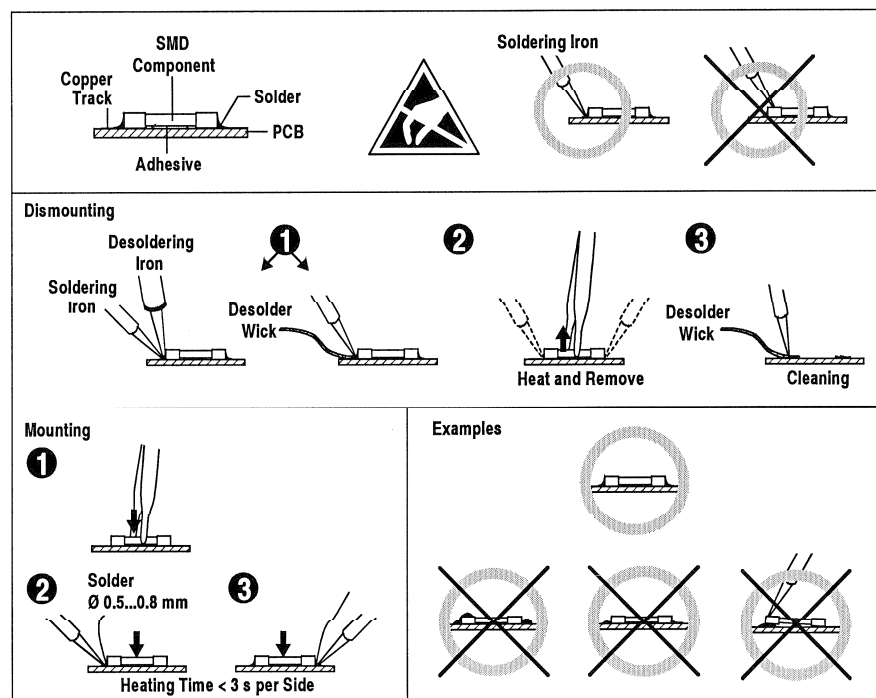
- *Explosion hazard* from lithium batteries, electrolytic capacitors and power semiconductors (watch the component's polarity. Do not short battery terminals. Replace batteries only by the same type).
- *Implosion hazard* from evacuated display units.
- *Radiation hazard* from laser units (non-ionizing), picture tubes (ionizing).
- *Caustic effect* of display units (LCD) and components containing liquid electrolyte.

Such components should only be handled by trained personnel who are properly protected (e.g. safety goggles, gloves).

E1 SMD Components

Studer has no commercially available SMD components in stock for service purposes. For repair, the corresponding devices have to be purchased locally. The specifications of special components can be found in the service manual.

SMD components should only be replaced by skilled specialists using appropriate tools. No warranty claims will be accepted for circuit boards that have been damaged. Proper and improper SMD soldering joints are illustrated below.



F Disposal

Disposal of Packing Materials

The packing materials have been selected with environmental and disposal issues in mind. All packing material can be recycled. Recycling packing saves raw materials and reduces the volume of waste.

If you need to dispose of the transport packing materials, please try to use recyclable means.

Disposal of Used Equipment

Used equipment contains valuable raw materials as well as materials that must be disposed of professionally. Please return your used equipment via an authorized specialist dealer or via the public waste disposal system, ensuring any material that can be recycled is.

Please take care that your used equipment cannot be abused. To avoid abuse, delete sensitive data from any data storage media. After having disconnected your used equipment from the mains supply, make sure that the mains connector and the mains cable are made useless.

G Declarations of Conformity

G1 Class A Equipment - FCC Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide a reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Caution: Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. Also refer to relevant information in this manual.

G2 CE Declaration of Conformity

We,
Studer Professional Audio GmbH,
CH-8105 Regensdorf,
declare under our sole responsibility that the product
Studer A827 MCH, Professional Multi-Track Tape Recorder
(starting with serial no. 1664)
to which this declaration relates, according to following regulations of EU directives and amendments

- Low Voltage (LVD):
73/23/EEC + 93/68/EEC
- Electromagnetic Compatibility (EMC):
89/336/EEC + 92/31/EEC + 93/68/EEC

is in conformity with the following standards or normative documents:

- Safety:
EN 60065:1993, IEC 65:1985 (Class I equipment)
- EMC:
EN 50081-1:1992, EN 50082-1:1992

Regensdorf, June 16, 1995



B. Hochstrasser, President



P. Fiala, Manager QA

Appendix 1: Air Temperature and Humidity

General

Normal operation of the unit or system is warranted under the following ambient conditions defined by *EN 60721-3-3, set IE32, value 3K3*.

This standard consists of an extensive catalogue of parameters, the most important of which are: ambient temperature +5...+40 °C, relative humidity 5...85% (i.e., no formation of condensation or ice); absolute humidity 1...25 g/m³; rate of temperature change < 0.5 °C/min. These parameters are dealt with in the following paragraphs.

Under these conditions the unit or system starts and works without any problem. Beyond these specifications, possible problems are described in the following paragraphs.

Ambient Temperature

Units and systems by Studer are generally designed for an ambient temperature range (i.e. temperature of the incoming air) of +5...+40 °C. When rack mounting the units, the intended air flow and herewith adequate cooling must be provided. The following facts must be considered:

- The admissible ambient temperature range for operation of the semiconductor components is 0 °C to +70 °C (commercial temperature range for operation).
- The air flow through the installation must provide that the outgoing air is always cooler than 70 °C.
- Average heat increase of the cooling air shall be about 20 K, allowing for an additional maximum 10 K increase at the hot components.
- In order to dissipate 1 kW with this admissible average heat increase, an air flow of 2.65 m³/min is required.

Example: A rack dissipating $P = 800\text{ W}$ requires an air flow of $0.8 * 2.65\text{ m}^3/\text{min}$ which corresponds to $2.12\text{ m}^3/\text{min}$.

- If the cooling function of the installation must be monitored (e.g. for fan failure or illumination with spot lamps), the outgoing air temperature must be measured directly above the modules at several places within the rack. The trigger temperature of the sensors should be 65 to 70 °C.

Frost and Dew

The unsealed system parts (connector areas and semiconductor pins) allow for a minute formation of ice or frost. However, formation of dew visible with the naked eye will already lead to malfunctions. In practice, reliable operation can be expected in a temperature range above -15 °C, if the following general rule is considered for putting the cold system into operation:

If the air within the system is cooled down, the relative humidity rises. If it reaches 100%, condensation will arise, usually in the boundary layer between the air and a cooler surface, together with formation of ice or dew at sensitive areas of the system (contacts, IC pins, etc.). Once internal condensation occurs, trouble-free operation cannot be guaranteed, independent of temperature.

Before putting into operation, the system must be checked for internal formation of condensation or ice. Only with a minute formation of ice, direct

evaporation (sublimation) may be expected; otherwise the system must be heated and dried while switched off.

A system without visible internal formation of ice or condensation should be heated up with its own heat dissipation, as homogeneously (and subsequently as slow) as possible; the ambient temperature should then always be lower than the one of the outgoing air.

If it is absolutely necessary to operate the cold system immediately within warm ambient air, this air must be dehydrated. In such a case, the absolute humidity must be so low that the relative humidity, related to the coldest system surface, always remains below 100%.

Ensure that the enclosed air is as dry as possible when powering off (i.e. before switching off in winter, aerate the room with cold, dry air, and remove humid objects as clothes from the room).

These relationships are visible from the following climatogram. For a controlled procedure, thermometer and hygrometer as well as a thermometer within the system will be required.

Example 1: An OB-van having an internal temperature of 20 °C and relative humidity of 40% is switched off in the evening. If temperature falls below +5 °C, dew or ice will be forming.

Example 2: An OB-van is heated up in the morning with air of 20 °C and a relative humidity of 40%. On all parts being cooler than +5 °C, dew or ice will be forming.

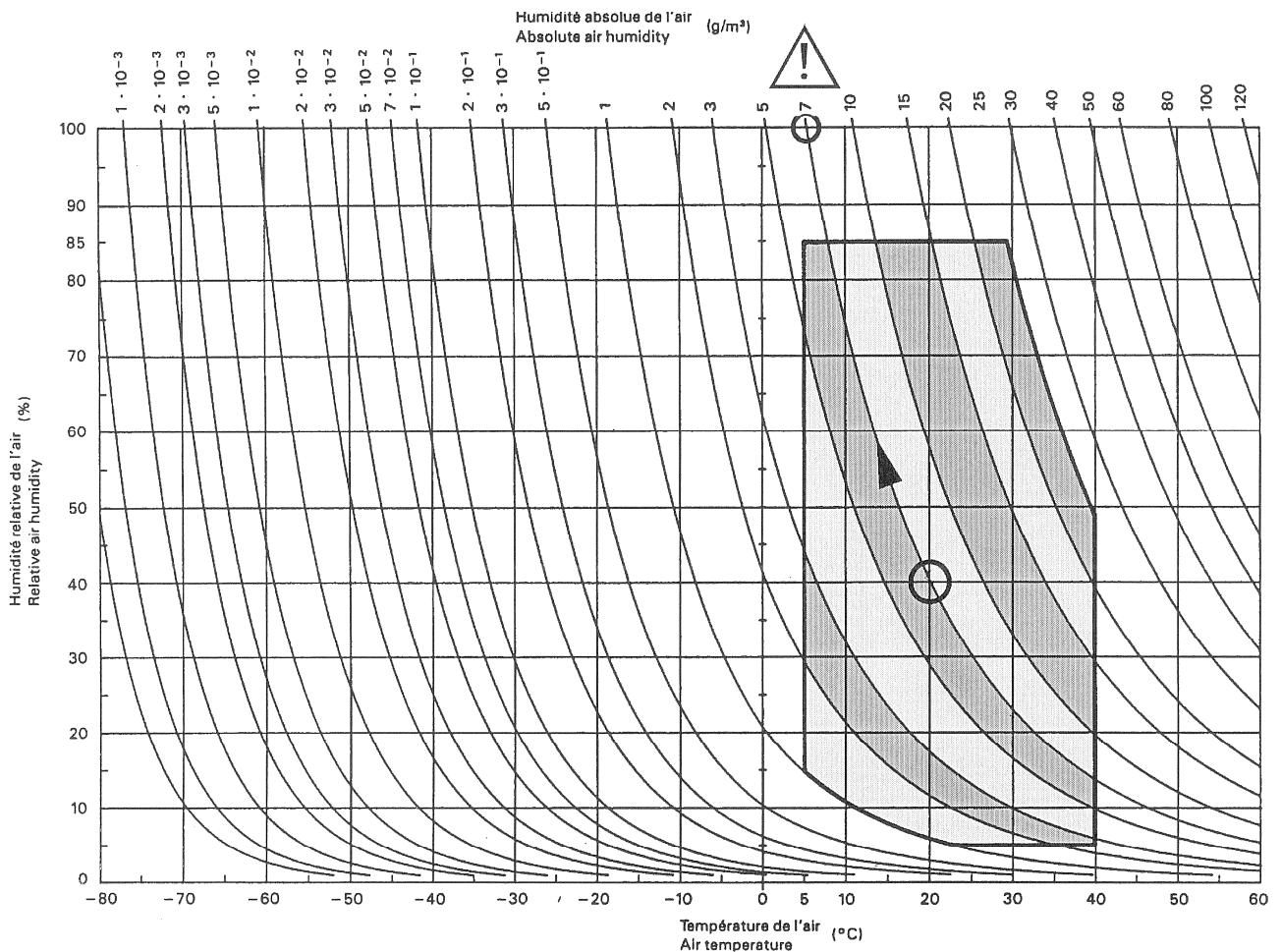
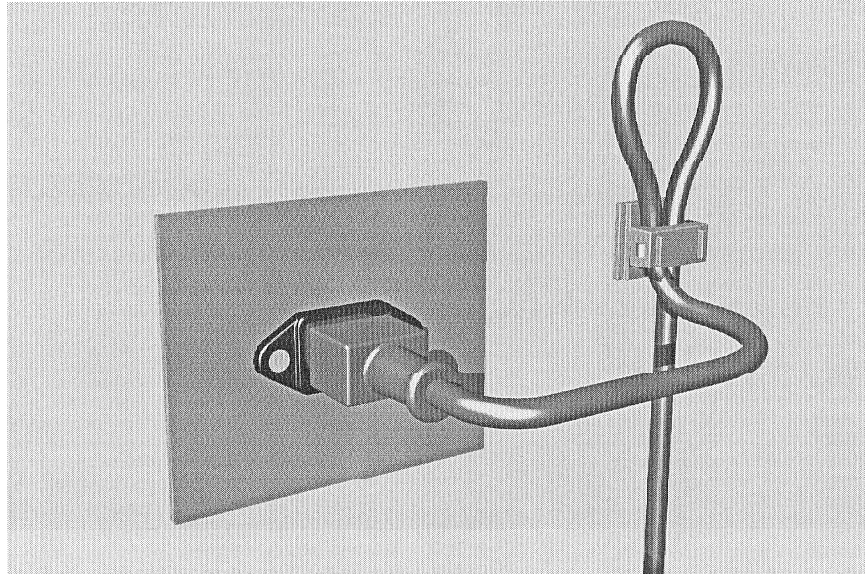


Figure B.3 – Climatogramme pour catégorie 3K3
Climatogram for class 3K3

Appendix 2: Mains Connector Strain Relief

For anchoring connectors without a mechanical lock (e.g. IEC mains connectors), we recommend the following arrangement:



Procedure: The cable clamp shipped with your unit is auto-adhesive. For mounting please follow the rules below:

- The surface to be adhered to must be clean, dry, and free from grease, oil, or other contaminants. Recommended application temperature range is +20...+40 °C.
- Remove the plastic protective backing from the rear side of the clamp and apply it firmly to the surface at the desired position. Allow as much time as possible for curing. The bond continues to develop for as long as 24 hours.
- For improved stability, the clamp should be fixed with a screw. For this purpose, a self-tapping screw and an M4 bolt and nut are included.
- Place the cable into the clamp as shown in the illustration above and firmly press down the internal top cover until the cable is fixed.

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For all issues not covered herewithin, refer to the "General Terms and Conditions of Sales and Delivery" being part of the sales contract.

1 Verdrahtungsliste / Wiring List

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Erklärungen zur Verdrahtungsliste

Bei der A827 MCH wird die zuverlässige Methode der automatischen Generierung von Computer-Verdrahtungslisten angewendet. Diese informieren über jede elektrische Verbindung innerhalb des Gerätes.

Zur besseren Übersicht werden die Einheiten (ASY) Stromversorgung, Steuerung, Laufwerksteuerung und der Audioteil in Gruppen (GRP) aufgeteilt. Diese Gruppen bestehen wiederum aus Elementen (ELM) und Anschlusspunkten (PNT).

Die Signale tragen Bezeichnungen, welche aus verschiedenen Abkürzungen kombiniert sind und ihre jeweilige Funktion erkennen lassen.

Assembly (ASY)

Die A827 ist in 8 verschiedene Baugruppen unterteilt

ASY1: Laufwerkteil
ASY2: Kopfträger und Vorverstärker
ASY3: Audio-Elektronik für die Audiokanäle 1-8
ASY4: Audio-Elektronik für die Audiokanäle 9-16
ASY5: Audio-Elektronik für die Audiokanäle 17-24
ASY6: Nicht benötigt
ASY7: Netzteil
ASY8: VU-meter-Panel

Gruppen (GRP)

Diese 8 Baugruppen (ASY) sind weiter unterteilt in elektrische Untergruppen GRP. Diese Gruppen sind untereinander verbunden, wobei die Kabel und Kabelstecker die entsprechende Gruppennummer tragen. Die Gruppenübersicht (auf den vorderen Seiten) und das Blockschema (am Anfang des Schemateils) zeigen die Gruppenaufteilung und die wichtigsten Verbindungen.

Elemente (ELM) Punkte (PNT)

Gruppen, die über mehrere Steckkarten oder Stecker (Elemente) verfügen, sind in Elemente (ELM) aufgeteilt. Die Elemente sind Träger der Anschlusspunkte (z.B. Stecker).

Zusammensetzung der Signalnamen

Header: Der erste oder die ersten beiden Buchstaben (links vom Separator) bezeichnet die Art oder (und) den Ursprung des Signales:

A-	:	Analoges Signal
AC4-	:	Wechselspannung
AN-	:	Analog
B-	:	LED (Lampe) (Bulb)
BR-	:	Fernsteuer -LED (Lampe)
C-	:	C-Mos Pegel
DC5-	:	DC-Spannung
IR-	:	Infra-red (Fernsteuerung)
K-	:	Relais, Magnet
M-	:	Motor
OR-	:	Output remote
PH-	:	Phase
S-	:	Schalter, FET
SR-	:	Fernsteuer-schalter-FET
T-	:	TTL Pegel
TA-	:	TTL-Signal Audiosektion
TC-	:	TTL-Signal Capstan-Sektion
TD-	:	TTL-Signal Tape deck-Sektion
TM-	:	TTL-Signal Master Sektion
Y-	:	Signal

Allgemeine Signale: Allgemeine Signale, welche nicht direkt mit einem bestimmten Teil der Maschine gekoppelt sind und bei welchen der Name selbsterklärend ist, gelten die oben erwähnten Definitionen nicht.

Beispiele: +0,0, -26,0 etc.

Separator (Bindestrich): Der Header wird von der Signalbezeichnung durch einen Bindestrich getrennt (z.B.: SR-)

Signalbezeichnung: Die Signalbezeichnung besteht aus 1-5 Buchstaben, welche eine sinnvolle Abkürzung der Signalbezeichnung ergeben.

Kabelbeschriftungen, Drahtfarben

Einzelne Kabel:

Die wichtigsten Verbindungs- und Anschlussleitungen der Verkabelung sind beschriftet.

- Für Verbindungsdrähte innerhalb des selben Assembly werden drei Nummerngruppen verwendet, welche an den Drahtenden aufgedruckt sind:
(z.B.: 20-70-3: GRP20 – ELM70 Punkt 3)
- Verbindungsdrähte welche zwei Punkte in verschiedenen Assembly verbindet tragen vier Nummerierungsgruppen:
(z.B.: 1-35-60-1: ASY1 – GRP35 – ELM60 Punkt 1)

Drahtfarben:

In den folgenden Tabellen sind die Farben einzelner Verbindungsdrähte unter der Kolone COLOR aufgelistet. Dabei wird folgender Farbcode angewendet.

0	schwarz	(blk)
1	braun	(brn)
2	rot	(red)
3	orange	(org)
4	gelb	(yel)
5	grün	(grn)
6	blau	(blu)
7	violett	(vio)
8	grau	(gry)
9	weiss	(wht)
-	farblos	(unc)

Flachbandkabel:

Die Flachbandkabel-Stecker tragen Etiketten, die beschriftet sind mit:

- der Nummer des Assembly, der Gruppen und des Elements, wo der Stecker eingesteckt werden muss (z.B.: A1 GR27 EL03)
und
- entweder den Namen der Baugruppe, in die der Stecker am anderen Ende des Kabels eingesteckt ist: (z.B.: TO CONNECTOR SYNCHRONIZER)
oder
- den Namen der Baugruppe in die der Stecker selbst eingesteckt ist.
(z.B.: PARALLEL REM. INTERFACE)

Beispiele:

Kabel, die einem Verteil-Zentrum entspringen, tragen meist die Bezeichnung TO (=zu) und den entsprechenden Namen der Baugruppe an welcher das andere Ende eingesteckt ist.

A1 GR20 EL14
To FUSE FAIL
DETECTOR

Der Stecker am anderen Ende des Kabels trägt eine Etikette mit folgender Bezeichnung:

A1 GR59 EL01
FUSE SUPPLY
FAIL. DETECT.

Wichtigste Anschlussarten

Typ	Bezeichnung	STUDER Nr.
A	Stecker Typ D, Crimp: Kontaktstift, für dünne Litzen	54.02.0451
AX	Kontaktstift, für dicke Litzen 0,5–1,5	54.25.0401
B	Kontaktbuchse, für dünne Litzen	54.02.0450
BX	Kontaktbuchse, für dicke Litzen 0,5–1,5	54.25.0411
F	MOLEX-Stecker: Kontaktbuchse, für dünne Litzen oder Kontaktbuchse für Printverlötung	54.02.0412 54.02.0407
J	Flachstecker AMP FASTON, Crimp 0.8 x 6.3 mm: Steckerhülse, für dicke Litzen	54.02.0332
L	Litze/Draht, 4 mm verzinkt	---,---,-----
M	MOLEX-Kontaktstift, für dünne Litzen oder MOLEX-Kontaktstift für Printverlötung	54.02.0411 54.02.0406
N	CIS-Stecker, Kontaktstift	54.01.0225
	Print-Federleiste:	
U	Rast-Lötkontakt, Crimp	54.03.0201
X	Flachstecker AMP FASTON, Crimp 0.5 x 2.8 mm: Steckerhülse für dünne Litzen	54.02.0325

Die fünf Arten der Verdrahtungsliste

Group Summary:

Auflistung aller Gruppen (GRP), nach Assembly (ASY) geordnet.

Seite 1-2

PART NUMBER:

Die Baugruppennummer (part number) bezieht sich meistens auf eine komplette Baugruppe (GRP), welche in der Regel eine Printkarte oder eine mechanische Baugruppe mit elektrischen Anschlüssen darstellt.

 * STUDER REVOX AG * G R O U P S U M M A R Y * 91/07/18 * 17:15 * P A G E 2 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * 91/07/02 - 00 *

ASY	GRP	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT. PINS	MULT. PINS	COD. KEYS	TOT. ELM	REM
1	20	1.820.704.00	BASIS BOARD TAPE DECK	115	943	1058	0	8	43	
1	21	1.827.702.00	BASIS BOARD AUDIO CONTROL	99	418	517	0	3	21	
1	23	1.827.322.00	SYNC.-CONNECTION PANEL MK1/MK2	26	94	120	0	1	15	
1	24	1.827.850.00	REMOTE CONTROL CONNECTOR BOARD	4	153	157	0	2	8	
1	25		REMOTE CONTROL PANEL	9	56	65	0	7	8	
1	26	1.820.729.00	SERIAL REMOTE INTERFACE	2	37	39	0	1	3	
1	27	1.820.738.00	PARALLEL REMOTE INTERFACE	3	120	123	0	0	6	
1	28	1.820.861.00	TIMER CONTROL BOARD	0	34	34	0	0	3	
1	29	1.820.869.00	POWER FAIL SENSE BOARD	0	40	40	0	0	6	
1	30	1.820.875.00	SPOOLING MOTOR DRIVE AMPLIFIER RIGHT	1	23	24	0	0	4	
1	31	1.820.873.00	SWITCHING STABILIZER +15.0 / -15.0	2	20	22	0	0	3	
1	32	1.820.872.00	SWITCHING STABILIZER + 5.6	1	21	22	0	0	3	
1	33	1.820.875.00	SPOOLING MOTOR DRIVE AMPLIFIER LEFT	1	23	24	0	0	4	
1	34		GROUND CONNECTION	0	1	1	0	0	1	
1	35	1.827.865.00	DISTRIBUTION BOARD TAPE DECK	27	300	327	0	0	40	
1	36	1.820.192.00	SPOOLING MOTOR ASSEMBLY, LEFT	1	11	12	0	0	2	
1	37	1.820.192.00	SPOOLING MOTOR ASSEMBLY, RIGHT	1	11	12	0	0	2	
1	38	1.021.695.00	CAPSTAN MOTOR (ELECTRONICS BOARD)	13	15	28	0	0	5	
1	39	1.820.774.00	CAPSTAN MOTOR DRIVE AMPLIFIER	4	30	34	0	0	3	
1	40	1.080.230.00	BRAKE ASSEMBLY, LEFT	1	2	3	0	0	1	
1	41	1.080.240.00	BRAKE ASSEMBLY, RIGHT	1	2	3	0	0	1	
1	42	1.820.772.00	TAPE TENSION SENSOR, LEFT	3	7	10	0	0	1	
1	43	1.820.772.00	TAPE TENSION SENSOR, RIGHT	3	7	10	0	0	1	
1	44	1.820.793.00	OPTO + EXTENDED SENSORS	0	13	13	0	1	2	
1	45	1.820.770.00	MOVE SENSOR	1	9	10	0	0	1	
1	46	1.820.773.00	TAPE LIFTER CONTROL, LEFT	5	11	16	0	0	1	
1	47	1.820.773.00	TAPE LIFTER CONTROL, RIGHT	5	11	16	0	0	1	
1	48	1.827.240.00	PUSHBUTTON ASSEMBLY	4	42	46	0	0	3	
1	50	1.827.768.00	TAPE DECK DISPLAY DRIVER	3	119	122	0	0	4	
1	51	1.827.750.00	COMMAND UNIT	1	39	40	0	0	1	
1	52	1.820.239.00	LCD DISPLAY UNIT	0	16	16	0	0	1	
1	53	1.820.718.82	COMMUNICATIONS CONTROLLER, FRONT	4	5	9	0	0	1	
1	59	1.820.866.00	FUSE/SUPPLY FAILURE DETECTOR	1	15	16	0	0	1	
1	60	1.820.831.00	PINCH ROLLER GATE	16	76	92	0	0	8	
2	1	1.050.152.00	HEAD BLOCK ASSEMBLY (24 CH)	35	215	250	0	0	10	
2	2	1.820.808.00	PREAMPLIFIER, CH 01 TO 08	0	50	50	0	0	2	
2	3	1.820.808.00	PREAMPLIFIER, CH 09 TO 16	0	50	50	0	0	2	
2	4	1.820.808.00	PREAMPLIFIER, CH 17 TO 24	0	50	50	0	0	2	
2	5		GROUND CONNECTION	0	4	4	0	0	1	
3	1	1.827.710.00	AUDIO ELECTRONICS BOARD CH 1 + CH 2	3	86	89	0	0	2	
3	2	1.827.710.00	AUDIO ELECTRONICS BOARD CH 3 + CH 4	3	86	89	0	0	2	
3	3	1.827.710.00	AUDIO ELECTRONICS BOARD CH 5 + CH 6	3	86	89	0	0	2	
3	4	1.827.710.00	AUDIO ELECTRONICS BOARD CH 7 + CH 8	3	86	89	0	0	2	
3	5	1.827.700.00	BASIS BOARD AUDIO CH 1 TO CH 8	9	410	419	0	6	29	
4	1	1.827.710.00	AUDIO ELECTRONICS BOARD CH 9 + CH10	3	86	89	0	0	2	
4	2	1.827.710.00	AUDIO ELECTRONICS BOARD CH11 + CH12	3	86	89	0	0	2	
4	3	1.827.710.00	AUDIO ELECTRONICS BOARD CH13 + CH14	3	86	89	0	0	2	
4	4	1.827.710.00	AUDIO ELECTRONICS BOARD CH15 + CH16	3	86	89	0	0	2	

STUDER A827 MCH

Element Summary:

Auflistung aller Elemente (ELM), nach Assembly (ASY) und Gruppen (GRP) geordnet.
 Unter den Elementen sind Stecker zu verstehen, somit gibt die Liste Übersicht über alle Stecker, welche in der Maschine vorkommen.

Seite 2-7

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 4 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK

GRP	ELM	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT. PINS	MULT. PINS	COD. KEYS	REMARK
20	1		SPOOLING M. DRIVE AMP. LEFT	P01	0	16	0	0	
20	2		SPOOLING M. DRIVE AMP. RIGHT	P02	0	16	0	0	
20	3		CAPSTAN M. DRIVE AMPLIFIER	P03	0	16	0	0	
20	4		PAR. CONT. INT. SYNCHRONIZER	P04	1	15	0	0	
20	6		OPTO + EXTENDED SENSORS	P06	0	10	0	0	
20	7		TAPE LIFT MOTOR, LEFT	P07	5	11	0	0	
20	8		TAPE LIFT MOTOR, RIGHT	P08	5	11	0	0	
20	9		TACHO SENSOR SPOOLING M. LEFT	P09	1	9	0	0	
20	10		TACHO SENSOR SPOOLING M. RIGHT	P10	1	9	0	0	
20	11		MOVE SENSOR	P11	1	9	0	0	
20	12		TAP TENSION SENSOR, LEFT	P12	3	7	0	0	
20	13		TAP TENSION SENSOR, RIGHT	P13	3	7	0	0	
20	14		FUSE FAILURE DETECTOR	P14	1	15	0	0	
20	15		DISPLAY DRIVER	P15	0	40	0	0	
20	16		PARALLEL REMOTE INTERFACE	P16	0	40	0	0	
20	17		TO HEAD BLOCK ASSEMBLY	P17	5	21	0	0	
20	18		RESERVE	P18	4	22	0	0	
20	19		MECHANICAL ELAPSED TIMER	P19	0	16	0	0	
20	30		SSDA INT. SYNCHRONIZER	P20	2	8	0	0	
20	31		TO SMPTE/EBU CONNECTOR	P21	1	9	0	0	
20	32		BASIS BOARD AUDIO CONT. ELM15	P24	0	26	0	0	
20	33		BASIS BOARD AUDIO CONT. ELM16	P25	10	16	0	0	
20	34		INT. SYNCHRONIZER		0	40	0	0	
20	40	1.820.759.00	SPOOLING MOTOR DRIVER	J01	9	29	0	1	
20	41	1.820.764.00	CAPSTAN CONTROL UNIT	J02	2	36	0	1	
20	42	1.820.727.00	CAPSTAN INTERFACE	J03	6	58	0	0	
20	43	1.820.762.00	TAPE DECK PERIPHERY CONTR.	J04	10	54	0	0	
20	44	1.820.823.00	TAPE DECK COUNTER / TIMER	J05	4	34	0	1	
20	45	1.820.822.00	SPOOLING MOTOR CONTROLLER	J06	13	25	0	1	
20	46	1.820.781.00	MP-UNIT TO CONTROL MCH	J07	2	36	0	1	
20	47	1.820.763.00	TAPE DECK SERIAL INTERFACE	J08	0	38	0	1	
20	48	1.820.753.00	MASTER SERIAL INTERFACE	J09	0	64	0	0	
20	49	1.820.784.00	MP-UNIT MASTER MCH	J10	0	38	0	1	
20	50	1.820.751.00	SMPTE/EBU INTERFACE	J11	0	38	0	0	
20	51	1.820.756.00	MASTER TO AUDIO INTERFACE	J12	20	44	0	0	
20	60		WIRE FIELD (FROM GRP20, ELM70)		0	3	0	0	
20	61		WIRE FIELD (FROM GRP20, ELM70)		0	10	0	0	
20	62		WIRE FIELD		0	15	0	0	
20	63		WIRE FIELD (TO BRAKE SOLENOIDS)		0	2	0	0	
20	70		FROM GRP35, ELM59	J13	0	24	0	0	
20	71		TO CAPSTAN MOTOR DRIVE AMPLIFIER	P24	4	2	0	0	
20	72		TO BRAKE SOLENOID, LEFT	P25	1	2	0	0	
20	73		TO BRAKE SOLENOID, RIGHT	P26	1	2	0	0	
21	1		CONNECTOR STUDIOBUS	J02	0	3	0	0	
21	2		CONNECTOR STUDIOBUS	J03	0	3	0	0	
21	3		CONNECTOR STUDIOBUS	J04	0	3	0	0	
21	4			P01	0	1	0	0	
21	5			P02	0	1	0	0	
21	6			P03	0	1	0	0	

Location Pin List:

Auflistung aller Pin's (PNT) nach Assembly (ASY), Gruppen (GRP) und Elemente (ELM) geordnet.
Die Liste dient zur Überprüfung der Pin-Belegung eines Steckers.

Seite 9-51

Zusätzliche Informationen ablesbar aus folgenden Listen:

ASY1: TAPE DECK	■ Identifikation des Assembly
GRP20: 1.820.704.00 BASIS BOARD TAPE DECK	■ Baugruppen-Bezeichnung auf welcher sich der (die) folgende(n) Anschlüsse (ELM) befindet.
ELM: SPOOLING MOTOR DRIVE AMPLIFIER LEFT/P01	■ Bezeichnung des Anschluss-Steckers und dessen Positionsbezeichnung: P01 Auf dem Lageplan 1.820.704.00 ist diese Steckerleiste mit P01 bezeichnet. P = Steckerstift J = Steckerbuchse
COLOR:	■ Farbe des Anschlussdrahtes; Nur bei einzelnen Drähten, nicht bei Flachbandkabel. Farbcode siehe Seite III.
LV:	■ nicht benötigt
TYPE:	■ Art des Anschlusses, nur bei Steckern verwendet nicht bei: Flachbandkabel und Leiterbahn-Kontakte einer Steckkarte. Liste für die Anschlussart siehe Seite IV.

```
*****
*   STUDER REVOX AG   *   L O C A T I O N   P I N   L I S T   *   91/07/18 * 17:15 * PAGE 16 *
*****
*   1.827.073.00   *   A 827 TAPE TRANSPORT & AUDIO MCH *   *   91/07/02 - 00   *
*****
ASY 1                      TAPE DECK
```

```
GRP 20      1.820.704.00
BASIS BOARD      TAPE DECK
=====
ELM 1
SPOOLING M. DRIVE AMP. LEFT      P01
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7 PHMPL-L1
8 PHMPL-L2
9 PHMPL-H1
10 PHMPL-H2
11 PHMPL-L3
12 PHMPL-L4
13 AN-ICLD
14 PHMPL-L5
15 PHMPL-L6
16 + 0.0
-----
```

```
ELM 2
SPOOLING M. DRIVE AMP. RIGHT      P02
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7 PHMPR-L1
8 PHMPR-L2
9 PHMPR-H1
10 PHMPR-H2
11 PHMPR-L3
12 PHMPR-L4
13 AN-ICRD
14 PHMPR-L5
15 PHMPR-L6
16 + 0.0
-----
```

```
GRP 20      1.820.704.00
<-- <-- <-- CONTINUATION
=====
ELM 3
CAPSTAN M. DRIVE AMPLIFIER      P03
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7 AN-CSPDC
8 TD-TCM1
9 + 0.0
10 TD-TCM2
11 + 0.0
12 + 0.0
13 TC-CPREF
14 TC-CAPDC
15 TD-C76K
16 + 0.0
-----
```

```
ELM 4
PAR. CONT. INT. SYNCHRONIZER      P04
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7
8 TC-TCDIR
9 + 0.0
10 TC-TCMV
11 + 0.0
12 T-REFINT
13 TD-CAPSY
14 TD-MVDIR
15 TD-MVCLK
16 + 0.0
-----
```

```
GRP 20      1.820.704.00
<-- <-- <-- CONTINUATION
=====
ELM 6
OPTO + EXTENDED SENSORS          P06
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7 TD-YTRSP
8 TD-SHLD
9 TD-TRSP
10 TD-TRSPR
-----
```

```
ELM 7
TAPE LIFT MOTOR, LEFT            P07
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +26.0
6 -26.0
7
8
9
10
11 TD-RALP1
12 TD-RALC2
13 TD-RALP2
14 TD-RALC1
15 TD-RALEN
16
-----
```

Signal Wire List:

Alphabetische Auflistung und Aufschlüsselung aller Signale, welche in der Maschine vorhanden sind. Diese Liste ist eine Hilfe bei der Signalverfolgung.

Zusätzliche Information ablesbar aus folgenden Listen:

SIGNAL NAME	■ Signalname für welchen die gemeinsamen Anschlusspunkte gesucht werden.
COLOR:	■ Farbe einzelner Anschlussdrähte. Farbcode siehe Seite III.
MI: S: LV:	■ Nicht verwendet ■ Nicht verwendet ■ Nicht verwendet
TYPE:	■ Art des Anschlusses. Liste der Anschlussarten siehe Seite IV.
DESCRIPTION OF ELEMENT	■ Diese Liste gibt Aufschluss an welchen Baugruppen oder Anschluss-Steckern das gesuchte Signal anliegt. Sind mehr als zwei Baugruppen aufgeführt. So gibt die Reihenfolge der Auflistung keinerlei Hinweise über den Weg des Signalflusses.

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 40 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			5	5	9	23				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
A-SYNC7			5	5	14	6B				AUDIO ELECTRONICS CH23/24	J14	
A-SYNC8			3	4	1	27B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	6	1				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	24				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	14	27B				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	27B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	6	1				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	24				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	14	27B				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	27B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	6	1				SYNC OUTPUT CONN. CH 21-24	J04	
			5	5	9	24				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
			5	5	14	27B				AUDIO ELECTRONICS CH23/24	J14	
A-TAPOU1			3	1	1	4B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	4B				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	4B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	4B				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	4B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	4B				AUDIO ELECTRONICS CH17/18	J11	
A-TAPOU2			3	1	1	29A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	29A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	29A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	29A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	29A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	29A				AUDIO ELECTRONICS CH17/18	J11	
A-TAPOU3			3	2	1	4B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	4B				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	4B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	4B				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	4B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	4B				AUDIO ELECTRONICS CH19/20	J12	
A-TAPOU4			3	2	1	29A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	29A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	29A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	29A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	29A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	29A				AUDIO ELECTRONICS CH19/20	J12	
A-TAPOU5			3	3	1	4B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	4B				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	4B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	4B				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	4B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	4B				AUDIO ELECTRONICS CH21/22	J13	
A-TAPOU6			3	3	1	29A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	29A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	29A				BASIS BOARD CONNECTOR CH13/14	J13	

Signal Statistics:

Auflistung aller Signale, welche in der Maschine vorhanden sind.

* STUDER REVOX AG * S I G N A L S T A T I S T I C S * 91/07/18 * 17:29 * P A G E 127 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIG.NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000001	+ 0.0	471				000053	A-SOURC6	6			
000002	+ 0.0T	1	6			000054	A-SOURC7	6			
000003	+ 0.0VA	123				000055	A-SOURC8	6			
000004	+ 0.0VD	47				000056	A-SYNC1	12			
000005	+ 5.0	13	2			000057	A-SYNC2	12			
000006	+ 5.6	253				000058	A-SYNC3	12			
000007	+ 5V	2				000059	A-SYNC4	12			
000008	+STABIN	9	2			000060	A-SYNC5	12			
000009	+STABIN1	20				000061	A-SYNC6	12			
000010	+STABIN2	16				000062	A-SYNC7	12			
000011	+STABIN3	23				000063	A-SYNC8	12			
000012	+STABIN4	41				000064	A-TAPOU1	6			
000013	+VMOT	10				000065	A-TAPOU2	6			
000014	+YSUP	1				000066	A-TAPOU3	6			
000015	+0.0	3				000067	A-TAPOU4	6			
000016	+0.0SENS	3	0			000068	A-TAPOU5	6			
000017	+15.0	218				000069	A-TAPOU6	6			
000018	+15.0T	1	2			000070	A-TAPOU7	6			
000019	+24.0	81				000071	A-TAPOU8	6			
000020	+24.0L	4				000072	A-TONGEN	55			
000021	+24.0NRS	15				000073	A-VUMR10	4			
000022	+24.0REM	8				000074	A-VUMR11	4			
000023	+26.0	17				000075	A-VUMR12	4			
000024	+5.6SENS	3	4			000076	A-VUMR13	4			
000025	-VMOT	10				000077	A-VUMR14	4			
000026	-YSUP	1				000078	A-VUMR15	4			
000027	-15.0	215				000079	A-VUMR16	4			
000028	-26.0	17				000080	A-VUMR17	4			
000029	A-DRVIN1	6				000081	A-VUMR18	4			
000030	A-DRVIN2	6				000082	A-VUMR19	4			
000031	A-DRVIN3	6				000083	A-VUMR20	4			
000032	A-DRVIN4	6				000084	A-VUMR21	4			
000033	A-DRVIN5	6				000085	A-VUMR22	4			
000034	A-DRVIN6	6				000086	A-VUMR23	4			
000035	A-DRVIN7	6				000087	A-VUMR24	4			
000036	A-DRVIN8	6				000088	A-VUMTR1	4			
000037	A-DTIN	7				000089	A-VUMTR2	4			
000038	A-DTOUT	7				000090	A-VUMTR3	4			
000039	A-HFIN	24				000091	A-VUMTR4	4			
000040	A-RECIN1	6				000092	A-VUMTR5	4			
000041	A-RECIN2	6				000093	A-VUMTR6	4			
000042	A-RECIN3	6				000094	A-VUMTR7	4			
000043	A-RECIN4	6				000095	A-VUMTR8	4			
000044	A-RECIN5	6				000096	A-VUMTR9	4			
000045	A-RECIN6	6				000097	AC-n1	7			
000046	A-RECIN7	6				000098	AC-02	7			
000047	A-RECIN8	6				000099	AC-03	7			
000048	A-SOURC1	6				000100	AC-04	7			
000049	A-SOURC2	6				000101	AC-05	7			
000050	A-SOURC3	6				000102	AC-06	7			
000051	A-SOURC4	6				000103	AC-07	7			
000052	A-SOURC5	6				000104	AC4-R1	2			
						000105	AC4-R2	2			
						000106	AC4-R3	2			

Explanations to the wiring list

For the A827 MCH the reliable method of computer generated wiring lists is used. These lists provide information on all electrical connections within the tape recorder.

For the sake of clarity the assemblies (ASY) power supply, master control, tape deck control and the audio section are subdivided into groups (GRP). These in turn are made up of elements (ELM) and connection points (PNT).

The signal labels are derived from various abbreviations and provide a mnemonic indication of their functions.

Assembly (ASM)

The A827 is subdivided into 8 assemblies

ASY1: Tape deck section

ASY2: Headblock and preamplifier

ASY3: Audio electronics for audio channels 1-8

ASY4: Audio electronics for audio channels 9-16

ASY5: Audio electronics for audio channels 17-24

ASY6: Not needed

ASY7: Power supply unit

ASY8: VU-meter panel

Groups (GRP)

These 8 assemblies (ASY) are subdivided into electrical groups (GRP) which groups are interconnected. The cables and connectors are identified with the corresponding group number. The group summary (on the preceding pages) and the block diagram (at the beginning of the diagram section) show the grouping and the most important connections.

Element (ELM) Points (PNT)

Groups that have more than one circuit board or connector (elements) are subdivided into elements (ELM). The elements are equipped with connection points (e.g. connectors).

Structure of the signal names

Header: The first or the first two characters to the left of the separator identify the type (and) the origin of the signal:

A-	:	Analog signal
AC4	:	AC voltage
AN-	:	Analog
B-	:	LED (lamp) (bulb)
BR-	:	Remote control LED (lamp)
C-	:	C-MOS level
DC5-	:	DC voltage
IR-	:	Infrared (remote control)
K-	:	Relay, magnet
M-	:	Motor
OR-	:	Output remote
PH-	:	Phase
S-	:	Switch, FET
SR-	:	Remote control switch FET
T-	:	TTL level
TA-	:	TTL signal, audio section
TC-	:	TTL signal, capstan section
TD-	:	TTL signal, tape deck section
TM-	:	TTL signal, master section
Y-	:	Signal

General signals: The foregoing definitions do not apply to general signals that are not directly linked with a specific part of the machine and for which the name is self-explanatory.

Examples: +0.0, -26.0 etc.

Separator (dash): The header is separated from the signal designation by a dash (e.g. SR-).

Signal designation: The signal designation comprises 1 to 5 characters that produce a meaningful abbreviation of the signal name.

Cable labeling, conductor colors

Individual cables:

The most important connection lines of the cabling are labeled.

- For connection wires within the same assembly, three number groups are used that are printed at the wire ends:
(e.g. 20-70-3): GRP20 - ELM70 - point 3)
- Connection wires that interconnect two points of different assemblies have four number groups:
(e.g. 1-35-60-1: ASY1 - GRP35 - ELM60 point 1)

Conductor colors:

This table lists the colors of the individual connection wires. The following color scheme is employed:

0	black	(blk)
1	brown	(brn)
2	red	(red)
3	orange	(org)
4	yellow	(yel)
5	green	(grn)
6	blue	(blu)
7	violet	(vio)
8	grey	(gry)
9	white	(wht)
-	uncolored	(unc)

Flat cables:

The flat cable connectors have a label that specifies:

- Number of the assembly, group and element where the connector should be plugged in (e.g.: A1 GR27 EL03)
and
- Either the name of the assembly into which the connector at the opposite end of the cable is plugged in: (e.g. TO SYNCHRONIZER CONNECTOR)
or
- The name of the assembly into which the connector itself is plugged in (e.g. PARALLEL REM, INTERFACE)

Examples:

Cables that originate from a distribution center generally carry the designation TO and the name of the corresponding assembly into which the opposite end is plugged in

A1 GR20 EL14
To FUSE FAIL
DETECTOR

The connector at the opposite end of the cable is labeled as follows:

A1 GR59 EL01
FUSE SUPPLY
FAIL. DETECT.

Principal connection types

Type	Designation	STUDER No.
A	Connector type D, crimp: Contact pin, for thin stranded wires	54.02.0451
AX	Contact pin, for thick stranded wires 0,5-1,5	54.25.0401
B	Contact sleeve, for thin stranded wires	54.02.0450
BX	Contact sleeve, for thick stranded wires 0,5-1,5	54.25.0411
F	MOLEX-connector: Contact sleeve, for thin stranded wires or contact sleeve for solder mounting on circuit board	54.02.0412 54.02.0407
J	Blade terminal AMP FASTON, crimp 0.8 x 6.3 mm: Connector sleeve, for thick stranded wires	54.02.0332
L	Stranded/solid wire, tinned (4 mm)	---,---,-----
M	MOLEX contact pin, for thin stranded wires or MOLEX contact pin for solder mounting on circuit board	54.02.0411 54.02.0406
N	CIS connector, contact pin	54.01.0225
	Circuit board multipoint connector:	
U	Detente spring solder contact, crimp	54.03.0201
X	Flat cable connector AMP FASTON, crimp 0.5 x 2.8 mm: Connector sleeve, for thin stranded wires	54.02.0325

The five wiring list types

Group summary:

List of all groups (GRP) sorted by assembly (ASY)

Page 1-2

PART NUMBER: The part number usually refers to a complete group (GRP) that represents a circuit board or a mechanical unit with electrical connections.

 * STUDER REVOX AG * G R O U P S U M M A R Y * 91/07/18 * 17:15 * P A G E 2 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

ASY	GRP	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	TOT.ELM	REM
1	20	1.820.704.00	BASIS BOARD TAPE DECK	115	943	1058	0	8	43	
1	21	1.827.702.00	BASIS BOARD AUDIO CONTROL	99	418	517	0	3	21	
1	23	1.827.322.00	SYNC.-CONNECTION PANEL MK1/MK2	26	94	120	0	1	15	
1	24	1.827.850.00	REMOTE CONTROL CONNECTOR BOARD	4	153	157	0	2	8	
1	25		REMOTE CONTROL PANEL	9	56	65	0	7	8	
1	26	1.820.729.00	SERIAL REMOTE INTERFACE	2	37	39	0	1	3	
1	27	1.820.738.00	PARALLEL REMOTE INTERFACE	3	120	123	0	0	6	
1	28	1.820.861.00	TTMR CONTROL BOARD	0	34	34	0	0	3	
1	29	1.820.869.00	POWER FAIL SENSE BOARD	0	40	40	0	0	6	
1	30	1.820.875.00	SPOOLING MOTOR DRIVE AMPLIFIER RIGHT	1	23	24	0	0	4	
1	31	1.820.873.00	SWITCHING STABILIZER +15.0 / -15.0	2	20	22	0	0	3	
1	32	1.820.872.00	SWITCHING STABILIZER + 5.6	1	21	22	0	0	3	
1	33	1.820.875.00	SPOOLING MOTOR DRIVE AMPLIFIER LEFT	1	23	24	0	0	4	
1	34		GROUND CONNECTION	0	1	1	0	0	1	
1	35	1.827.865.00	DISTRIBUTION BOARD TAPE DECK	27	300	327	0	0	40	
1	36	1.820.192.00	SPOOLING MOTOR ASSEMBLY, LEFT	1	11	12	0	0	2	
1	37	1.820.192.00	SPOOLING MOTOR ASSEMBLY, RIGHT	1	11	12	0	0	2	
1	38	1.021.695.00	CAPSTAN MOTOR (ELECTRONICS BOARD)	13	15	28	0	0	5	
1	39	1.820.774.00	CAPSTAN MOTOR DRIVE AMPLIFIER	4	30	34	0	0	3	
1	40	1.080.230.00	BRAKE ASSEMBLY, LEFT	1	2	3	0	0	1	
1	41	1.080.240.00	BRAKE ASSEMBLY, RIGHT	1	2	3	0	0	1	
1	42	1.820.772.00	TAPE TENSION SENSOR, LEFT	3	7	10	0	0	1	
1	43	1.820.772.00	TAPE TENSION SENSOR, RIGHT	3	7	10	0	0	1	
1	44	1.820.793.00	OPTO + EXTENDED SENSORS	0	13	13	0	1	2	
1	45	1.820.770.00	MOVE SENSOR	1	9	10	0	0	1	
1	46	1.820.773.00	TAPE LIFTER CONTROL, LEFT	5	11	16	0	0	1	
1	47	1.820.773.00	TAPE LIFTER CONTROL, RIGHT	5	11	16	0	0	1	
1	48	1.827.240.00	PUSHBUTTON ASSEMBLY	4	42	46	0	0	3	
1	50	1.827.768.00	TAPE DECK DISPLAY DRIVER	3	119	122	0	0	4	
1	51	1.827.750.00	COMMAND UNIT	1	39	40	0	0	1	
1	52	1.820.239.00	LCD DISPLAY UNIT	0	16	16	0	0	1	
1	53	1.820.718.82	COMMUNICATIONS CONTROLLER, FRONT	4	5	9	0	0	1	
1	59	1.820.866.00	FUSE/SUPPLY FAILURE DETECTOR	1	15	16	0	0	1	
1	60	1.820.831.00	PINCH ROLLER GATE	16	76	92	0	0	8	
2	1	1.050.152.00	HEAD BLOCK ASSEMBLY (24 CH)	35	215	250	0	0	10	
2	2	1.820.808.00	PREAMPLIFIER, CH 01 TO 08	0	50	50	0	0	2	
2	3	1.820.808.00	PREAMPLIFIER, CH 09 TO 16	0	50	50	0	0	2	
2	4	1.820.808.00	PREAMPLIFIER, CH 17 TO 24	0	50	50	0	0	2	
2	5		GROUND CONNECTION	0	4	4	0	0	1	
3	1	1.827.710.00	AUDIO ELECTRONICS BOARD CH 1 + CH 2	3	86	89	0	0	2	
3	2	1.827.710.00	AUDIO ELECTRONICS BOARD CH 3 + CH 4	3	86	89	0	0	2	
3	3	1.827.710.00	AUDIO ELECTRONICS BOARD CH 5 + CH 6	3	86	89	0	0	2	
3	4	1.827.710.00	AUDIO ELECTRONICS BOARD CH 7 + CH 8	3	86	89	0	0	2	
3	5	1.827.700.00	BASIS BOARD AUDIO CH 1 TO CH 8	9	410	419	0	6	29	
4	1	1.827.710.00	AUDIO ELECTRONICS BOARD CH 9 + CH10	3	86	89	0	0	2	
4	2	1.827.710.00	AUDIO ELECTRONICS BOARD CH11 + CH12	3	86	89	0	0	2	
4	3	1.827.710.00	AUDIO ELECTRONICS BOARD CH13 + CH14	3	86	89	0	0	2	
4	4	1.827.710.00	AUDIO ELECTRONICS BOARD CH15 + CH16	3	86	89	0	0	2	

STUDER A827 MCH

Element summary:

List of all Element (ELM) sorted by assemblies (ASY) and groups (GRP).

Elements in this context are connectors which means that this list provides an overview of all connectors existing in the machine.

```

*****
*   STUDER REVOX AG *   E L E M E N T   S U M M A R Y   * 91/07/18 * 17:15 * P A G E   4 *
*****
*   1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH *   * 91/07/02 - 00 *
*****
ASY 1 TAPE DECK

```

GRP	ELM	PART NUMBER	DESCRIPTION		UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
20	1		SPOOLING M. DRIVE AMP. LEFT	P01	0	16	16	0	0	
20	2		SPOOLING M. DRIVE AMP. RIGHT	P02	0	16	16	0	0	
20	3		CAPSTAN M. DRIVE AMPLIFIER	P03	0	16	16	0	0	
20	4		PAR. CONT. INT. SYNCHRONIZER	P04	1	15	16	0	0	
20	6		OPTO + EXTENDED SENSORS	P06	0	10	10	0	0	
20	7		TAPE LIFT MOTOR, LEFT	P07	5	11	16	0	0	
20	8		TAPE LIFT MOTOR, RIGHT	P08	5	11	16	0	0	
20	9		TACHO SENSOR SPOOLING M. LEFT	P09	1	9	10	0	0	
20	10		TACHO SENSOR SPOOLING M. RIGHT	P10	1	9	10	0	0	
20	11		MOVE SENSOR	P11	1	9	10	0	0	
20	12		TAPE TENSION SENSOR, LEFT	P12	3	7	10	0	0	
20	13		TAPE TENSION SENSOR, RIGHT	P13	3	7	10	0	0	
20	14		FUSE FAILURE DETECTOR	P14	1	15	16	0	0	
20	15		DISPLAY DRIVER	P15	0	40	40	0	0	
20	16		PARALLEL REMOTE INTERFACE	P16	0	40	40	0	0	
20	17		TO HEAD BLOCK ASSEMBLY	P17	5	21	26	0	0	
20	18		RESERVE	P18	4	22	26	0	0	
20	19		MECHANICAL ELAPSED TIMER	P19	0	16	16	0	0	
20	30		SSDA INT. SYNCHRONIZER	P20	2	8	10	0	0	
20	31		TO SMPTE/EBU CONNECTOR	P21	1	9	10	0	0	
20	32		BASIS BOARD AUDIO CONT. ELM15	P24	0	26	26	0	0	
20	33		BASIS BOARD AUDIO CONT. ELM16	P25	10	16	26	0	0	
20	34		INT. SYNCHRONIZER		0	40	40	0	0	
20	40	1.820.759.00	SPOOLING MOTOR DRIVER	J01	9	29	38	0	1	
20	41	1.820.764.00	CAPSTAN CONTROL UNIT	J02	2	36	38	0	1	
20	42	1.820.727.00	CAPSTAN INTERFACE	J03	6	58	64	0	0	
20	43	1.820.762.00	TAPE DECK PERIPHERY CONTR.	J04	10	54	64	0	0	
20	44	1.820.823.00	TAPE DECK COUNTER / TIMER	J05	4	34	38	0	1	
20	45	1.820.822.00	SPOOLING MOTOR CONTROLLER	J06	13	25	38	0	1	
20	46	1.820.781.00	HP-UNIT TD CONTROL MCH	J07	2	36	38	0	1	
20	47	1.820.763.00	TAPE DECK SERIAL INTERFACE	J08	0	38	38	0	1	
20	48	1.820.753.00	MASTER SERIAL INTERFACE	J09	0	64	64	0	1	
20	49	1.820.784.00	HP-UNIT MASTER MCH	J10	0	38	38	0	1	
20	50	1.820.751.00	SMPTE/EBU INTERFACE	J11	0	38	38	0	1	
20	51	1.820.756.00	MASTER TO AUDIO INTERFACE	J12	20	44	64	0	0	
20	60		HIRE FIELD (FROM GRP20, ELM70)		0	3	3	0	0	
20	61		HIRE FIELD (FROM GRP20, ELM70)		0	10	10	0	0	
20	62		HIRE FIELD		0	15	15	0	0	
20	63		HIRE FIELD		0	2	2	0	0	
20	64		HIRE FIELD (TO BRAKE SOLENOIDS)		0	15	15	0	0	
20	65		FROM GRP35, ELM59	J13	0	24	24	0	0	
20	71		TO CAPSTAN MOTOR DRIVE AMPLIFIER	P24	4	2	6	0	0	
20	72		TO BRAKE SOLENOID, LEFT	P25	1	2	3	0	0	
20	73		TO BRAKE SOLENOID, RIGHT	P26	1	2	3	0	0	
21	1		CONNECTOR STUDIOBUS	J02	0	3	3	0	0	
21	2		CONNECTOR STUDIOBUS	J03	0	3	3	0	0	
21	3		CONNECTOR STUDIOBUS	J04	0	3	3	0	0	
21	4			P01	0	1	1	0	0	
21	5			P02	0	1	1	0	0	
21	6			P03	0	1	1	0	0	

Location pin list:

List of all pins (PNT) sorted by assemblies (ASY), groups (GRP) and elements (ELM).

This list is used for checking the pin assignment of a connector.

Additional information can be obtained from the following lists:

ASY1: TAPE DECK	■ Identification of the assembly
GRP20: 1.820.704.00 BASIS BOARD TAPE DECK	■ Module designation on which the following connection(s) (ELM) are located.
ELM: SPOOLING MOTOR DRIVE AMPLIFIER LEFT/P01	■ Designation of the connector and its position: P01 On the PC layout 1.820.704.00 this multipoint connector is labeled PC01. P = Connector pin J = Connector sleeve
COLOR:	■ Color of the connection wire; only applicable to individual wires and not to flat cables. For color code scheme refer to page III.
LV:	■ Not required
TYPE:	■ Type of connection, only applicable to connectors but not to: flat cables and conductor tracks of a PCB. The list of connection types can be found on page IV.

```
*****
*   STUDER REV0X AG *   L O C A T I O N   P T N   I T S T   * 91/07/18 * 17:15 * P A G E 14 *
*****
*   1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH *   * 91/07/02 - 00
*****
ASY 1
    TAPE DECK

GRP 20      1.820.704.00
BASIS BOARD TAPE DECK
-----
ELM 1
SPOOLING M. DRIVE AMP. LEFT P01
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7 PHMPL-L1
8 PHMPL-L2
9 PHMPL-H1
10 PHMPL-H2
11 PHMPL-L3
12 PHMPL-L4
13 AN-ICLD
14 PHMPL-L5
15 PHMPL-L6
16 + 0.0
-----

GRP 20      1.820.704.00
CONTINUATION
-----
ELM 3
CAPSTAN M. DRIVE AMPLIFIER P03
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7 AN-CSPDC
8 TD-TCM1
9 + 0.0
10 TD-TCM2
11 + 0.0
12 + 0.0
13 TC-CPREF
14 TC-CAPDC
15 TD-C76K
16 + 0.0
-----

GRP 20      1.820.704.00
CONTINUATION
-----
ELM 6
OPTO + EXTENDED SENSORS P06
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7 TD-YTRSP
8 TD-SHLD
9 TD-TRSP
10 TD-TRSPR
-----
ELM 7
TAPE LIFT MOTOR, LEFT P07
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +26.0
6 -26.0
7
8
9
10
11 TD-RALP1
12 TD-RALC2
13 TD-RALP2
14 TD-RALC1
15 TD-RALEN
16
-----

GRP 20      1.820.704.00
CONTINUATION
-----
ELM 2
SPOOLING M. DRIVE AMP. RIGHT P02
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7 PHMPR-L1
8 PHMPR-L2
9 PHMPR-H1
10 PHMPR-H2
11 PHMPR-L3
12 PHMPR-L4
13 AN-ICRD
14 PHMPR-L5
15 PHMPR-L6
16 + 0.0
-----

GRP 20      1.820.704.00
CONTINUATION
-----
ELM 4
PAR. CONT. INT. SYNCHRONIZER P04
-----
PNT SIGNAL NAME  COLOR LV TYPE  F
-----
1 + 0.0
2 + 0.0
3 + 5.6
4 + 5.6
5 +15.0
6 -15.0
7
8 TC-TCDIR
9 + 0.0
10 TC-TCMV
11 + 0.0
12 T-REFINT
13 TD-CAPSY
14 TD-MVDIR
15 TD-MVCLK
16 + 0.0
-----
```

STUDER A827 MCH

Signal wire list

Alphabetic listing and breakdown of all signals that occur in the machine. This list is an aid for signal tracing.

Pages 55-126

Additional information can be found in the following lists:

SIGNAL NAME	■ Signal name for which the common connection points are to be found.
COLOR:	■ Color of the individual connection wires. For color code scheme refer to page III.
MI: S: LV:	■ Not used ■ Not used ■ Not used
TYPE:	■ Type of connection. The list of the connection types can be found on page IV.
DESCRIPTION OF ELEMENT	■ This list specifies the assemblies or connectors on which the desired signal is available. If more than one assembly is listed, the sequence in which they are specified does not relate to the path of the signal flow.

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 4 0 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF A-SYNC7			5	5	9	23				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
			5	5	14	6B				AUDIO ELECTRONICS CH23/24	J14	
A-SYNCS			2	4	1	27B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	6	1				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	24				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	14	27B				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	27B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	6	1				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	24				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	14	27B				AUDIO ELECTRONICS CH15/16	J14	
			5	5	4	1				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	5	6				SYNC OUTPUT CONN. CH 21-24	J04	
			5	5	9	24				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
			5	5	14	27B				AUDIO ELECTRONICS CH23/24	J14	
A-TAPOU1			3	1	1	4B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	4B				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	4B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	4B				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	4B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	4B				AUDIO ELECTRONICS CH17/18	J11	
A-TAPOU2			3	1	1	29A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	29A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	29A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	29A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	29A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	29A				AUDIO ELECTRONICS CH17/18	J11	
A-TAPOU3			3	2	1	4B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	4B				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	4B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	4B				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	4B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	4B				AUDIO ELECTRONICS CH19/20	J12	
A-TAPOU4			3	2	1	29A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	29A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	29A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	29A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	29A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	29A				AUDIO ELECTRONICS CH19/20	J12	
A-TAPOU5			3	3	1	4B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	4B				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	4B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	4B				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	4B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	4B				AUDIO ELECTRONICS CH21/22	J13	
A-TAPOU6			3	3	1	29A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	29A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	29A				BASIS BOARD CONNECTOR CH13/14	J13	

Signal statistics:

List of all signals that exist in the machine.

Pages 127-132

* STUDER REVOX AG * S I G N A L S T A T I S T I C S * 91/07/18 * 17:29 * P A G E 127 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL * * < @	*-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL * * < @	*-NODE ASY GRP
000001	+ 0.0	471				000053	A-SOURC6	6			
000002	+ 0.0T	1	6			000054	A-SOURC7	6			
000003	+ 0.0VA	123				000055	A-SOURC8	6			
000004	+ 0.0VD	47				000056	A-SYNC1	12			
000005	+ 5.0	13	2			000057	A-SYNC2	12			
000006	+ 5.6	253				000058	A-SYNC3	12			
000007	+ 5V	2				000059	A-SYNC4	12			
000008	+STABIN	9	2			000060	A-SYNC5	12			
000009	+STABIN1	20				000061	A-SYNC6	12			
000010	+STABIN2	16				000062	A-SYNC7	12			
000011	+STABIN3	23				000063	A-SYNC8	12			
000012	+STABIN4	41				000064	A-TAPOU1	6			
000013	+VMOT	10				000065	A-TAPOU2	6			
000014	+YSUP	1				000066	A-TAPOU3	6			
000015	+0.0	3				000067	A-TAPOU4	6			
000016	+0.0SENS	3	0			000068	A-TAPOU5	6			
000017	+15.0	218				000069	A-TAPOU6	6			
000018	+15.0T	1	2			000070	A-TAPU17	6			
000019	+24.0	81				000071	A-TAPOU8	6			
000020	+24.0L	4				000072	A-TONGEN	55			
000021	+24.0NRS	15				000073	A-VUMR10	4			
000022	+24.0REM	8				000074	A-VUMR11	4			
000023	+26.0	17				000075	A-VUMR12	4			
000024	+5.6SENS	3	4			000076	A-VUMR13	4			
000025	-VMOT	10				000077	A-VUMR14	4			
000026	-YSUP	1				000078	A-VUMR15	4			
000027	-15.0	215				000079	A-VUMR16	4			
000028	-26.0	17				000080	A-VUMR17	4			
000029	A-DRVIN1	6				000081	A-VUMR18	4			
000030	A-DRVIN2	6				000082	A-VUMR19	4			
000031	A-DRVIN3	6				000083	A-VUMR20	4			
000032	A-DRVIN4	6				000084	A-VUMR21	4			
000033	A-DRVIN5	6				000085	A-VUMR22	4			
000034	A-DRVIN6	6				000086	A-VUMR23	4			
000035	A-DRVIN7	6				000087	A-VUMR24	4			
000036	A-DRVIN8	6				000088	A-VUMTR1	4			
000037	A-DTIN	7				000089	A-VUMTR2	4			
000038	A-DTOUT	7				000090	A-VUMTR3	4			
000039	A-HFIN	24				000091	A-VUMTR4	4			
000040	A-RECIN1	6				000092	A-VUMTR5	4			
000041	A-RECIN2	6				000093	A-VUMTR6	4			
000042	A-RECIN3	6				000094	A-VUMTR7	4			
000043	A-RECIN4	6				000095	A-VUMTR8	4			
000044	A-RECIN5	6				000096	A-VUMTR9	4			
000045	A-RECIN6	6				000097	AC-01	7			
000046	A-RECIN7	6				000098	AC-02	7			
000047	A-RECIN8	6				000099	AC-03	7			
000048	A-SOURC1	6				000100	AC-04	7			
000049	A-SOURC2	6				000101	AC-05	7			
000050	A-SOURC3	6				000102	AC-06	7			
000051	A-SOURC4	6				000103	AC-07	7			
000052	A-SOURC5	6				000104	AC4-R1	2			
						000105	AC4-R2	2			
						000106	AC4-R3	2			

STUDER A827 MCH

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*****
* STUDER REVOX AG * G R O U P S U M M A R Y * 91/07/18 * 17:15 * PAGE 3 *
*****
* 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
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ASY	GRP	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	TOT.ELM	REM
4	5	1.827.700.00	BASIS BOARD AUDIO CH 9 TO CH 16	9	410	419	0	6	29	
5	1	1.827.710.00	AUDIO ELECTRONICS BOARD CH17 + CH18	3	86	89	0	0	2	
5	2	1.827.710.00	AUDIO ELECTRONICS BOARD CH19 + CH20	3	86	89	0	0	2	
5	3	1.827.710.00	AUDIO ELECTRONICS BOARD CH21 + CH22	3	86	89	0	0	2	
5	4	1.827.710.00	AUDIO ELECTRONICS BOARD CH23 + CH24	3	86	89	0	0	2	
5	5	1.827.700.00	BASIS BOARD AUDIO CH 17 TO CH 24	9	410	419	0	6	29	
7	1		POWER INPUT / OUTPUT	0	6	6	0	0	2	
7	2	55.17.5003	POWER SWITCH / PHILBERT	8	18	26	0	0	7	
7	3	1.820.830.00	SOFT START UNIT	10	17	27	0	0	5	
7	4	1.862.625.00	MAIN TRANSFORMER	21	31	52	0	0	2	
7	5	1.862.625.00	MAIN TRANSFORMER	26	26	52	0	0	2	
7	6	1.862.625.00	MAIN TRANSFORMER	34	18	52	0	0	6	
7	7	70.01.0232	RECTIFIER 6 * 200V / 35A	0	24	24	0	0	4	
7	8	59.07.0004	CAPACITOR UNIT	32	8	40	0	0	12	
7	10	51.01.0229	FUSES HOLDERS	0	8	8	0	0	4	
7	11	54.25.0210	CONNECTOR DC OUTPUT	1	9	10	0	0	1	
8	1	1.827.770.00	VU PANEL BOARD CH 1 / CH 20	0	36	36	0	6	6	
8	2	1.827.770.00	VU PANEL BOARD CH 5 / CH 24	0	36	36	0	6	6	
DISTRIBUTED IN 66 GRP TOTAL :				587	5592	6179	0	53	391	

Element Summary

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*****
* STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * PAGE 4 *
*****
* 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
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GRP	ELM	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
20	1		SPOOLING M. DRIVE AMP. LEFT	0	16	16	0	0	
20	2		SPOOLING M. DRIVE AMP. RIGHT	0	16	16	0	0	
20	3		CAPSTAN M. DRIVE AMPLIFIER	0	16	16	0	0	
20	4		PAR. CONT. INT. SYNCHRONIZER	0	15	16	0	0	
20	6		OPTO + EXTENDED SENSORS	0	10	10	0	0	
20	7		TAPE LIFT MOTOR, LEFT	5	11	16	0	0	
20	8		TAPE LIFT MOTOR, RIGHT	5	11	16	0	0	
20	9		TACHO SENSOR SPOOLING M. LEFT	1	9	10	0	0	
20	10		TACHO SENSOR SPOOLING M. RIGHT	1	9	10	0	0	
20	11		MOVE SENSOR	1	9	10	0	0	
20	12		TAPE TENSION SENSOR, LEFT	3	7	10	0	0	
20	13		TAPE TENSION SENSOR, RIGHT	3	7	10	0	0	
20	14		FUSE FAILURE DETECTOR	1	15	16	0	0	
20	15		DISPLAY DRIVER	0	40	40	0	0	
20	16		PARALLEL REMOTE INTERFACE	0	40	40	0	0	
20	17		TO HEAD BLOCK ASSEMBLY	5	21	26	0	0	
20	18		RESERVE	4	22	26	0	0	
20	19		MECHANICAL ELAPSED TIMER	0	16	16	0	0	
20	30		SSDA INT. SYNCHRONIZER	2	8	10	0	0	
20	31		TO SMPTE/EBU CONNECTOR	1	9	10	0	0	
20	32		BASIS BOARD AUDIO CONT. ELM15	0	16	16	0	0	
20	33		BASIS BOARD AUDIO CONT. ELM16	10	16	26	0	0	
20	34		INT. SYNCHRONIZER	0	40	40	0	0	
20	40	1.820.759.00	SPOOLING MOTOR DRIVER	9	29	38	0	1	
20	41	1.820.764.00	CAPSTAN CONTROL UNIT	2	36	38	0	1	
20	42	1.820.727.00	CAPSTAN INTERFACE	6	58	64	0	0	
20	43	1.820.762.00	TAPE DECK PERIPHERY CONTR.	10	54	64	0	0	
20	44	1.820.823.00	TAPE DECK COUNTER / TIMER	4	34	38	0	1	
20	45	1.820.822.00	SPOOLING MOTOR CONTROLLER	13	25	38	0	1	
20	46	1.820.781.00	HP-UNIT TO CONTROL MCH	2	36	38	0	1	
20	47	1.820.763.00	TAPE DECK SERIAL INTERFACE	0	38	38	0	1	
20	48	1.820.753.00	MASTER SERIAL INTERFACE	0	64	64	0	1	
20	49	1.820.784.00	HP-UNIT MASTER MCH	0	38	38	0	1	
20	50	1.820.751.00	SMPTE/EBU INTERFACE	0	44	44	0	1	
20	51	1.820.756.00	MASTER TO AUDIO INTERFACE	20	3	23	0	0	
20	60		WIRE FIELD (FROM GRP20, ELM70)	0	3	3	0	0	
20	61		WIRE FIELD (FROM GRP20, ELM70)	0	10	10	0	0	
20	62		WIRE FIELD	0	15	15	0	0	
20	63		WIRE FIELD (TO BRAKE SOLENOIDS)	0	2	2	0	0	
20	70		FROM GRP35, ELM59	0	24	24	0	0	
20	71		TO CAPSTAN MOTOR DRIVE AMPLIFIER	4	2	6	0	0	
20	72		TO BRAKE SOLENOID, LEFT	1	2	3	0	0	
20	73		TO BRAKE SOLENOID, RIGHT	1	2	3	0	0	
21	1		CONNECTOR STUDIOBUS	0	3	3	0	0	
21	2		CONNECTOR STUDIOBUS	0	3	3	0	0	
21	3		CONNECTOR STUDIOBUS	0	3	3	0	0	
21	4			0	1	1	0	0	
21	5			0	1	1	0	0	
21	6			0	1	1	0	0	

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 5 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

ASV 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP	ELM	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
21	7								
21	8		P04	0	1	1	0	0	
21	10		FROM GRP35, ELM61 J01	3	7	10	0	0	
21	11		TO GRP24, ELM03 P05	6	10	16	0	0	
21	12		TO GRP24, ELM02 P06	6	10	16	0	0	
21	15		TO GRP24, ELM01 P07	6	10	16	0	0	
21	16		TAPE DECK BASIS BOARD, ELM32 P08	0	26	26	0	0	
21	20	1.820.718.00	TAPE DECK BASIS BOARD, ELM33 P09	10	16	26	0	0	
21	21	1.827.788.00	COMMUNICATIONS CONTROLLER J05	0	38	38	0	1	
21	22	1.827.725.00	MPU AUDIO CONTROL MCH J06	3	35	38	0	1	
21	23	1.820.816.00	GENERATOR UNIT MCH J07	19	19	38	0	1	
21	24	1.827.723.00	CONTROLLER EXTERNAL NRS J08	21	43	64	0	0	
21	50		BUS DRIVER MCH J09	25	71	96	0	0	
21	51		TO AUDIO RACK CH 1 TO 8 P10	0	40	40	0	0	
21	52		TO AUDIO RACK CH 9 TO 16 P11	0	40	40	0	0	
21	52		TO AUDIO RACK CH 17 TO 24 P12	0	40	40	0	0	
23	1		BCODE/PILOT J01	0	5	5	0	0	
23	2		SLAVE TC OUT J02	0	3	3	0	0	
23	3		SLAVE TC IN J03	0	3	3	0	0	
23	4		TC IN/PILOT J04	0	3	3	0	0	
23	5		BCODE J05	0	5	5	0	0	
23	6		MASTER TC OUT P01	0	3	3	0	0	
23	7		MASTER TC IN J06	0	3	3	0	0	
23	8		CONN. PARALLEL REMOTE CONTROL J07	0	24	24	0	1	
23	9		LOCAL CONTROL UNIT J08	1	14	15	0	0	
23	10		SERIAL REMOTE J09	0	9	9	0	0	
23	11		SERIAL REMOTE J10	0	9	9	0	0	
23	12		MASTER TALLIES J11	0	9	9	0	0	
23	13		COMP. VIDEO IN J12	0	2	2	0	0	
23	14		COMP. VIDEO IN J13	0	2	2	0	0	
23	15		SLAVE CONTROLL B J14	25	0	25	0	0	
24	1		FROM GRP27, ELM03 (SYNCHRONIZER) P01	3	23	26	0	0	
24	2		FROM GRP27, ELM04 (PAR. REMOTE) P02	1	25	26	0	0	
24	3		FROM GRP 35	0	4	4	0	0	
24	4		WIRE FIELD	0	8	8	0	0	
24	9		CONNECTOR SYNCHRONIZER CONTROL J01	0	25	25	0	0	
24	10		CONN. PARALLEL REMOTE CONTROL J03	0	24	24	0	1	
24	11		CONN. AUDIO REMOTE CONTROL J03	0	36	36	0	1	
24	12		CONN. AUDIO PARALLEL IF	0	8	8	0	0	
25	1		NRS CONTROL CONN. CH 1 TO 8	3	10	13	0	2	
25	2		NRS CONTROL CONN. CH 9 TO 16	3	10	13	0	2	
25	4		NRS CONTROL CONN. CH 17 TO 24	3	10	13	0	2	
25	5		CONNECTOR SMPTE/EBU BUS J05	0	9	9	0	0	
25	6		CONNECTOR SMPTE/EBU BUS J04	0	9	9	0	0	
25	7		CONN. AUTOLOCATOR, REMOTE TIMER J01	0	8	8	0	1	
25	8			0	0	0	0	0	

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 6 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

ASV 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP	ELM	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
26	1		FROM PAR. REM. IF P01	0	26	26	0	0	
26	2		TO GRP25, ELM01 (REMOTE PANEL) P02	1	8	9	0	1	
26	3		TO PAR. REM. IF J01	1	3	4	0	0	
27	1		TO GRP26, ELM01 (SERIAL REM. IF) P01	0	26	26	0	0	
27	2		FROM GRP20, ELM16 (BASIS BOARD) P02	0	40	40	0	0	
27	3		TO GRP24, ELM01 (SYNCHRONIZER) P03	1	25	26	0	0	
27	4		TO GRP24, ELM02 (PAR. REMOTE CTL) P03	1	25	26	0	0	
27	5		GROUND PIN P05	0	1	1	0	0	
27	6		CONN. AUTOLOC - PARALLEL P06	1	3	4	0	0	
28	1		FROM B. BOARD TAPE DECK, ELM 19 P01	0	16	16	0	0	
28	2		TO VU-METER PANEL P02	0	16	16	0	0	
28	3		TO MECHANICAL TIMER P03	0	2	2	0	0	
29	1		FROM SP. M. DRIVE AMPL. RIGHT J01	0	2	2	0	0	
29	2		TO SPOOLING MOTOR RIGHT J02	0	2	2	0	0	
29	3		FROM SP. M. DRIVE AMPL. LEFT J03	0	2	2	0	0	
29	4		TO SPOOLING MOTOR LEFT J04	0	2	2	0	0	
29	5		FROM GRP20, ELM02 (BASIS B. TD) P01	0	16	16	0	0	
29	6		TO SPOOLING M. DRIVE AMP. RIGHT P02	0	16	16	0	0	
30	1		SUPPLY INPUT J03	1	3	4	0	0	
30	2		FROM GRP29, ELM06 P01	0	16	16	0	0	
30	3		OUTPUT (MOTOR RIGHT) J01	0	2	2	0	0	
30	4		OUTPUT (MOTOR LEFT) J02	0	2	2	0	0	
31	1		FROM DISTRIBUTION BOARD (ELM20) P01	2	8	10	0	0	
31	2		DC OUTPUT (GRP35, ELM55) P02	0	8	8	0	0	
31	3		DC INPUT (GRP35, ELM54) P03	0	4	4	0	0	
32	1		FROM DISTRIBUTION BOARD (ELM21) P01	0	10	10	0	0	
32	2		DC OUTPUT (GRP35, ELM55) P02	1	9	10	0	0	
32	3		DC INPUT (GRP35, ELM56) P03	0	2	2	0	0	
33	1		SUPPLY INPUT J03	1	3	4	0	0	
33	2		FROM GRP20, ELM01 (BASIS B. TD) P01	0	16	16	0	0	
33	3		OUTPUT (MOTOR RIGHT) J01	0	2	2	0	0	
33	4		OUTPUT (MOTOR LEFT) J02	0	2	2	0	0	
34	1		GROUND CONNECTION P01	0	1	1	0	0	
35	1		WIRE FIELD	0	55	55	0	0	
35	2		WIRE FIELD	0	6	6	0	0	
35	3		WIRE FIELD	0	14	14	0	0	
35	4		WIRE FIELD	0	4	4	0	0	
35	5		WIRE FIELD	0	4	4	0	0	
35	6		WIRE FIELD	0	4	4	0	0	
35	7		WIRE FIELD	0	8	8	0	0	
35	8		WIRE FIELD	0	6	6	0	0	

STUDER A827 MCH

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * PAGE 7 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP	ELM	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT. PINS	MULT. PINS	COD. KEYS	REMARK
35	9		WIRE FIELD	0	6	6	0	0	
35	10		WIRE FIELD	0	4	4	0	0	
35	11		WIRE FIELD	0	4	4	0	0	
35	12		WIRE FIELD	0	2	2	0	0	
35	13		WIRE FIELD	0	2	2	0	0	
35	14		WIRE FIELD	0	6	6	0	0	
35	15		WIRE FIELD	0	6	6	0	0	
35	16		WIRE FIELD	0	9	9	0	0	
35	17		WIRE FIELD	0	9	9	0	0	
35	18		WIRE FIELD	0	12	12	0	0	
35	20		TO GRP31, ELM01	2	8	10	0	0	
35	21		TO GRP32, ELM01	2	8	10	0	0	
35	25		WIRE FIELD	0	4	4	0	0	
35	26		WIRE FIELD	0	4	4	0	0	
35	27		WIRE FIELD	0	4	4	0	0	
35	30		AUDIO RACK CH 1 TO 8	J01	3	7	10	0	
35	31		AUDIO RACK CH 9 TO 16	J02	3	7	10	0	
35	32		AUDIO RACK CH 17 TO 24	J03	3	7	10	0	
35	33			J04	3	7	10	0	
35	34			J05	3	7	10	0	
35	51		CONN. TO REMOTE CTL. CONNECTOR BOARD	0	4	4	0	0	
35	52		FROM GRP30, ELM01	P03	1	3	4	0	
35	53		FROM GRP31, ELM02	P04	0	8	8	0	
35	54		TO GRP32, ELM03	P05	0	4	4	0	
35	55		FROM GRP32, ELM02	P06	1	9	10	0	
35	56		TO GRP32, ELM03	P07	0	2	2	0	
35	57		TO GRP33, ELM01	P08	1	3	4	0	
35	58		FROM ASY07, GRP11, ELM01	P09	1	3	4	0	
35	59		TO GRP20, ELM70	P10	0	24	10	0	
35	60		FROM CRP21, ELM01	P11	1	2	3	0	
35	61		TO GRP21, ELM08	P12	3	7	10	0	
35	62		TO GRP34, ELM01	J06	0	1	1	0	
36	1	1.820.771.00	TACHO SENSOR	P01	1	9	10	0	
36	2		FROM GRP33, ELM 03	P02	0	2	2	0	
37	1	1.820.771.00	TACHO SENSOR	P01	1	9	10	0	
37	2		FROM GRP30, ELM 03	P02	0	2	2	0	
38	1		FROM GRP39, ELM02	J01	1	11	12	0	
38	2	1.021.696.00	TACHO SENSOR UNIT (WIRE FIELD)		4	0	4	0	
38	3	1.021.697.00	HALL SENSOR BOARD (WIRE FIELD)		8	0	8	0	
38	4		STATOR (WIRE FIELD)		0	3	3	0	
38	5		GROUND CONNECTION (WIRE FIELD)		0	1	1	0	
39	1		FROM GRP20, ELM03 (BASIS B. TD)	P01	0	16	16	0	
39	2		TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	0	12	12	0	
39	3		FROM GRP20, ELM71 (BASIS B. TD)	P03	4	2	6	0	
40	1		BRAKE SOLENOID		1	2	3	0	

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 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP	ELM	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT. PINS	MULT. PINS	COD. KEYS	REMARK
41	1		BRAKE SOLENOID	1	2	3	0	0	
42	1		FROM GRP20, ELM12 (BASIS B. TD)	P01	3	7	10	0	
43	1		FROM GRP20, ELM13 (BASIS B. TD)	P01	3	7	10	0	
44	1		FROM GRP20, ELM06	P01	0	10	10	0	
44	2		OPTO SENSOR -82 ONLY	P02	0	3	3	0	1
45	1		FROM GRP20, ELM11	P01	1	9	10	0	
46	1		FROM GRP20, ELM07	P01	5	11	16	0	
47	1		FROM GRP20, ELM08 (BASIS B. TD)	P01	5	11	16	0	
48	1		FROM GRP50, ELM03 (DISPLAY DRIVER)		2	24	26	0	
48	2		CONNECTOR EDIT ASSEMBLY		0	10	10	0	
48	3		WIRE FIELD		2	8	10	0	
50	1		FROM GRP20, ELM15 (BASIS B. TD)	P01	0	40	40	0	
50	2		CONNECTOR PUSHBUTTON ASSEMBLY	P03	1	39	40	0	
50	3		CONNECTOR COMMAND UNIT	P02	2	24	26	0	
50	4		CONNECTOR LCD DISPLAY UNIT	P04	0	16	16	0	
51	1		FROM GRP50, ELM02 (DISPLAY DRIVER)		1	39	40	0	
52	1		FROM GRP50, ELM04 (DISPLAY DRIVER)		0	16	16	0	
53	1		CONNECTOR DATA BACK UP, FRONT P.	J01	4	5	9	0	
59	1		FROM GRP20, ELM14 (BASIS B. TD)	P01	1	15	16	0	
60	1		FROM GR. 20 ELM 08	P01	5	11	16	0	
60	2		FROM GR. 20 ELM 11	P02	1	9	10	0	
60	3		FROM GR. 20 ELM 10	P03	1	9	10	0	
60	4		FROM GR. 20 ELM 09	P04	1	9	10	0	
60	5		TO TAPE LEFT MOTOR, RIGHT	P05	5	11	16	0	
60	6		TO MOVE SENSOR		1	9	10	0	
60	7		TO TACHO SENSOR SP. MOTOR RIGHT	P07	1	9	10	0	
60	8		TO TACHO SENSOR SP. MOTOR LEFT	P08	1	9	10	0	
DISTRIBUTED IN 208 ELM TOTAL :				357	2724	3081	0	23	

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 9 *
 * 1.827.072.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - UU *
 ASY 2 HEAD BLOCK, PREAMPLIFIER, LINE

GRP	ELM	PART NUMBER	DESCRIPTION		UNUSED PINS	USED PINS	TOT. PINS	MULT. PINS	COD. KEYS	REMARK
1	1		ERASE HEAD, CH 01 TO 08	P01	1	24	25	0	0	
1	2		ERASE HEAD, CH 09 TO 16	P02	1	24	25	0	0	
1	3		ERASE HEAD, CH 17 TO 24	P03	1	24	25	0	0	
1	4		RECORD HEAD, CH 01 TO 08	P04	9	16	25	0	0	
1	5		RECORD HEAD, CH 09 TO 16	P05	9	16	25	0	0	
1	6		RECORD HEAD, CH 17 TO 24	P06	9	16	25	0	0	
1	7		REPRODUCE HEAD, CH 01 TO 08	P07	0	25	25	0	0	
1	8		REPRODUCE HEAD, CH 09 TO 16	P08	0	25	25	0	0	
1	9		REPRODUCE HEAD, CH 17 TO 24	P09	0	25	25	0	0	
1	10	1.820.795.00	HEAD BLOCK IDENTIFIER	P10	5	20	25	0	0	
2	1		INPUT	J01	0	25	25	0	0	
2	2		OUTPUT	P01	0	25	25	0	0	
3	1		INPUT	J01	0	25	25	0	0	
3	2		OUTPUT	P01	0	25	25	0	0	
4	1		INPUT	J01	0	25	25	0	0	
4	2		OUTPUT	P01	0	25	25	0	0	
5	1				0	4	4	0	0	
DISTRIBUTED IN 17 ELM TOTAL :					35	369	404	0	0	

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 10 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 3 AUDIO ELECTRONICS, CH 01 TO 08

GRP	ELM	PART NUMBER	DESCRIPTION		UNUSED PINS	USED PINS	TOT. PINS	MULT. PINS	COD. KEYS	REMARK
1	1		BASIS BOARD CONNECTOR	CH1/2 P1	0	64	64	0	0	
1	2		HEAD BLOCK CABLE CONN.	CH1/2 J1	3	22	25	0	0	
2	1		BASIS BOARD CONNECTOR	CH3/4 J12	0	64	64	0	0	
2	2		HEAD BLOCK CABLE CONN.	CH3/4 J1	3	22	25	0	0	
3	1		BASIS BOARD CONNECTOR	CH5/6 J13	0	64	64	0	0	
3	2		HEAD BLOCK CABLE CONN.	CH5/6 J1	3	22	25	0	0	
4	1		BASIS BOARD CONNECTOR	CH7/8 J14	0	64	64	0	0	
4	2		HEAD BLOCK CABLE CONN.	CH7/8 J1	3	22	25	0	0	
5	1		AUDIO CONTROL CONNECTOR	P01	0	40	40	0	0	
5	2		VU PANEL CONTROL CONNECTOR	J01	0	10	10	0	1	
5	3		VU PANEL AUDIO CONNECTOR	J03	0	14	14	0	1	
5	4		POWER SUPPLY CONNECTOR	J02	0	6	6	0	0	
5	5		SYNC OUTPUT CONN. CH 1-4	J06	0	8	8	0	1	
5	6		SYNC OUTPUT CONN. CH 5-8	J04	0	8	8	0	1	
5	7		SYNC COMPENSATION TO CH 1	J07	0	2	2	0	1	
5	8		SYNC COMPENSATION TO CH 8	J05	0	2	2	0	1	
5	9		SYNC OUTPUT CONN. CH 1-8	D-TYPE	9	16	25	0	0	
5	11		AUDIO ELECTRONICS CH1/2	J11	0	64	64	0	0	
5	12		AUDIO ELECTRONICS CH3/4	J12	0	64	64	0	0	
5	13		AUDIO ELECTRONICS CH5/6	J13	0	64	64	0	0	
5	14		AUDIO ELECTRONICS CH7/8	J14	0	64	64	0	0	
5	21		LINE INPUT, CH 1	XLR J21	0	3	3	0	0	
5	22		LINE INPUT, CH 2	XLR J22	0	3	3	0	0	
5	23		LINE INPUT, CH 3	XLR J23	0	3	3	0	0	
5	24		LINE INPUT, CH 4	XLR J24	0	3	3	0	0	
5	25		LINE INPUT, CH 5	XLR J25	0	3	3	0	0	
5	26		LINE INPUT, CH 6	XLR J26	0	3	3	0	0	
5	27		LINE INPUT, CH 7	XLR J27	0	3	3	0	0	
5	28		LINE INPUT, CH 8	XLR J28	0	3	3	0	0	
5	31		LINE OUTPUT, CH 1	XLR P21	0	3	3	0	0	
5	32		LINE OUTPUT, CH 2	XLR P22	0	3	3	0	0	
5	33		LINE OUTPUT, CH 3	XLR P23	0	3	3	0	0	
5	34		LINE OUTPUT, CH 4	XLR P24	0	3	3	0	0	
5	35		LINE OUTPUT, CH 5	XLR P25	0	3	3	0	0	
5	36		LINE OUTPUT, CH 6	XLR P26	0	3	3	0	0	
5	37		LINE OUTPUT, CH 7	XLR P27	0	3	3	0	0	
5	38		LINE OUTPUT, CH 8	XLR P28	0	3	3	0	0	
DISTRIBUTED IN 37 ELM TOTAL :					21	754	775	0	6	

STUDER A827 MCH

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 11 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 4 AUDIO ELECTRONICS, CH 09 TO 16

GRP	ELM	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
1	1		BASIS BOARD CONNECTOR CH9/10 P1	0	64	64	0	0	
1	2		HEAD BLOCK CABLE CONN. CH9/10 J1	3	22	25	0	0	
2	1		BASIS BOARD CONNECTOR CH11/12 J12	0	64	64	0	0	
2	2		HEAD BLOCK CABLE CONN. CH11/12 J1	3	22	25	0	0	
3	1		BASIS BOARD CONNECTOR CH13/14 J13	0	64	64	0	0	
3	2		HEAD BLOCK CABLE CONN. CH13/14 J1	3	22	25	0	0	
4	1		BASIS BOARD CONNECTOR CH15/16 J14	0	64	64	0	0	
4	2		HEAD BLOCK CABLE CONN. CH15/16 J1	3	22	25	0	0	
5	1		AUDIO CONTROL CONNECTOR P01	0	40	40	0	0	
5	2		VU PANEL CONTROL CONNECTOR J01	0	10	10	0	1	
5	3		VU PANEL AUDIO CONNECTOR J03	0	14	14	0	1	
5	4		POWER SUPPLY CONNECTOR J02	0	6	6	0	0	
5	5		SYNC OUTPUT CONN. CH 9-12 J06	0	8	8	0	1	
5	6		SYNC OUTPUT CONN. CH 13-16 J04	0	8	8	0	1	
5	7		SYNC COMPENSATION TO CH 9 J07	0	2	2	0	1	
5	8		SYNC COMPENSATION TO CH 16 J05	0	2	2	0	1	
5	9		SYNC OUTPUT CONN. CH 9-16 D-TYPE	9	16	25	0	0	
5	11		AUDIO ELECTRONICS CH9/10 J11	0	64	64	0	0	
5	12		AUDIO ELECTRONICS CH11/12 J12	0	64	64	0	0	
5	13		AUDIO ELECTRONICS CH13/14 J13	0	64	64	0	0	
5	14		AUDIO ELECTRONICS CH15/16 J14	0	64	64	0	0	
5	21		LINE INPUT, CH 9 XLR J21	0	3	3	0	0	
5	22		LINE INPUT, CH 10 XLR J22	0	3	3	0	0	
5	23		LINE INPUT, CH 11 XLR J23	0	3	3	0	0	
5	24		LINE INPUT, CH 12 XLR J24	0	3	3	0	0	
5	25		LINE INPUT, CH 13 XLR J25	0	3	3	0	0	
5	26		LINE INPUT, CH 14 XLR J26	0	3	3	0	0	
5	27		LINE INPUT, CH 15 XLR J27	0	3	3	0	0	
5	28		LINE INPUT, CH 16 XLR J28	0	3	3	0	0	
5	31		LINE OUTPUT, CH 9 XLR P21	0	3	3	0	0	
5	32		LINE OUTPUT, CH 10 XLR P22	0	3	3	0	0	
5	33		LINE OUTPUT, CH 11 XLR P23	0	3	3	0	0	
5	34		LINE OUTPUT, CH 12 XLR P24	0	3	3	0	0	
5	35		LINE OUTPUT, CH 13 XLR P25	0	3	3	0	0	
5	36		LINE OUTPUT, CH 14 XLR P26	0	3	3	0	0	
5	37		LINE OUTPUT, CH 15 XLR P27	0	3	3	0	0	
5	38		LINE OUTPUT, CH 16 XLR P28	0	3	3	0	0	
DISTRIBUTED IN 37 ELM TOTAL :				21	754	775	0	6	

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 12 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24

GRP	ELM	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
1	1		BASIS BOARD CONNECTOR CH17/18 P1	0	64	64	0	0	
1	2		HEAD BLOCK CABLE CONN. CH17/18 J1	3	22	25	0	0	
2	1		BASIS BOARD CONNECTOR CH19/20 J12	0	64	64	0	0	
2	2		HEAD BLOCK CABLE CONN. CH19/20 J1	3	22	25	0	0	
3	1		BASIS BOARD CONNECTOR CH21/22 J13	0	64	64	0	0	
3	2		HEAD BLOCK CABLE CONN. CH21/22 J1	3	22	25	0	0	
4	1		BASIS BOARD CONNECTOR CH23/24 J14	0	64	64	0	0	
4	2		HEAD BLOCK CABLE CONN. CH23/24 J1	3	22	25	0	0	
5	1		AUDIO CONTROL CONNECTOR P01	0	40	40	0	0	
5	2		VU PANEL CONTROL CONNECTOR J01	0	10	10	0	1	
5	3		VU PANEL AUDIO CONNECTOR J03	0	14	14	0	1	
5	4		POWER SUPPLY CONNECTOR J02	0	6	6	0	0	
5	5		SYNC OUTPUT CONN. CH 17-20 J06	0	8	8	0	1	
5	6		SYNC OUTPUT CONN. CH 21-24 J04	0	8	8	0	1	
5	7		SYNC COMPENSATION TO CH 17 J07	0	2	2	0	1	
5	8		SYNC COMPENSATION TO CH 24 J05	0	2	2	0	1	
5	9		SYNC OUTPUT CONN. CH 17-24 D-TYPE	9	16	25	0	0	
5	11		AUDIO ELECTRONICS CH17/18 J11	0	64	64	0	0	
5	12		AUDIO ELECTRONICS CH19/20 J12	0	64	64	0	0	
5	13		AUDIO ELECTRONICS CH21/22 J13	0	64	64	0	0	
5	14		AUDIO ELECTRONICS CH23/24 J14	0	64	64	0	0	
5	21		LINE INPUT, CH 17 XLR J21	0	3	3	0	0	
5	22		LINE INPUT, CH 18 XLR J22	0	3	3	0	0	
5	23		LINE INPUT, CH 19 XLR J23	0	3	3	0	0	
5	24		LINE INPUT, CH 20 XLR J24	0	3	3	0	0	
5	25		LINE INPUT, CH 21 XLR J25	0	3	3	0	0	
5	26		LINE INPUT, CH 22 XLR J26	0	3	3	0	0	
5	27		LINE INPUT, CH 23 XLR J27	0	3	3	0	0	
5	28		LINE INPUT, CH 24 XLR J28	0	3	3	0	0	
5	31		LINE OUTPUT, CH 17 XLR P21	0	3	3	0	0	
5	32		LINE OUTPUT, CH 18 XLR P22	0	3	3	0	0	
5	33		LINE OUTPUT, CH 19 XLR P23	0	3	3	0	0	
5	34		LINE OUTPUT, CH 20 XLR P24	0	3	3	0	0	
5	35		LINE OUTPUT, CH 21 XLR P25	0	3	3	0	0	
5	36		LINE OUTPUT, CH 22 XLR P26	0	3	3	0	0	
5	37		LINE OUTPUT, CH 23 XLR P27	0	3	3	0	0	
5	38		LINE OUTPUT, CH 24 XLR P28	0	3	3	0	0	
DISTRIBUTED IN 37 ELM TOTAL :				21	754	775	0	6	

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 13 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 7 1.820.353.00 POWER SUPPLY, MCH

GRP	ELM	PART NUMBER	DESCRIPTION		UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
1	1	54.42.0026	POWER INPUT	P01	0	3	3	0	0	
1	2	54.42.0200	POWER OUTPUT	J01	0	3	3	0	0	
2	1	55.12.0001	PHILBERT SWITCH (3)	S01	2	2	4	0	0	
2	2	55.12.0001	PHILBERT SWITCH (5)	S02	2	2	4	0	0	
2	3	55.12.0001	PHILBERT SWITCH (2)	S03	0	4	4	0	0	
2	4	55.12.0001	PHILBERT SWITCH (4)	S04	2	2	4	0	0	
2	5	55.12.0001	PHILBERT SWITCH (1)	S05	0	4	4	0	0	
2	6	50.17.5003	MAIN SWITCH	S06	0	4	4	0	0	
2	7		CONTROL LAMP	B01	2	0	2	0	0	
3	1	50.25.0003	LINE INPUT	P01	0	3	3	0	0	
3	2	50.25.0003	LINE AUXILIARY	P02	0	3	3	0	0	
3	3	50.25.0003	LINE OUTPUT	P03	0	3	3	0	0	
3	4	54.14.2001	TO POWER FAIL CONTROL CONNECTOR	P04	7	3	10	0	0	
3	5	54.25.0308	AC CONTROL CONNECTOR	P05	3	5	8	0	0	
4	1		PRIMARY DISTRIBUTOR		5	27	32	0	0	
4	2		SECONDARY DISTRIBUTOR		16	4	20	0	0	
5	1		PRIMARY DISTRIBUTOR		10	22	32	0	0	
5	2		SECONDARY DISTRIBUTOR		16	4	20	0	0	
6	1		PRIMARY DISTRIBUTOR		18	14	32	0	0	
6	2		SECONDARY DISTRIBUTOR		16	4	20	0	0	
7	1	70.01.0232	RECTIFIER	DZ01	0	4	4	0	0	
7	2	70.01.0232	RECTIFIER	DZ02	0	4	4	0	0	
7	3	70.01.0232	RECTIFIER	DZ03	0	4	4	0	0	
7	4	70.01.0232	RECTIFIER	DZ04	0	4	4	0	0	
7	5	70.01.0232	RECTIFIER	DZ05	0	4	4	0	0	
7	6	70.01.0232	RECTIFIER	DZ06	0	4	4	0	0	
8	1	54.33.6007		P01	6	0	6	0	0	
8	2	54.33.6007		P02	2	0	2	0	0	
8	3	54.33.6007		P03	2	0	2	0	0	
8	4	54.33.6007		P04	6	0	6	0	0	
8	5	54.33.6007		P05	6	0	6	0	0	
8	6	54.33.6007		P06	2	0	2	0	0	
8	7	54.33.6007		P07	2	0	2	0	0	
8	8	54.33.6007			6	0	6	0	0	
8	9	59.07.0004	CAPACITOR	C01	0	2	2	0	0	
8	10	59.07.0004	CAPACITOR	C02	0	2	2	0	0	
8	11	59.07.0004	CAPACITOR	C03	0	2	2	0	0	
8	12	57.92.4152	RESISTOR	R01	0	2	2	0	0	
0	1	51.01.0125	FUSE HOLDER / FUSE 16A	F01	0	2	2	0	0	
0	2	51.01.0125	FUSE HOLDER / FUSE 16A	F02	0	2	2	0	0	
0	3	51.01.0229	FUSE HOLDER / FUSE 6.3A	F03	0	2	2	0	0	
0	4	51.01.0229	FUSE HOLDER / FUSE 6.3A	F04	0	2	2	0	0	

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 14 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 7 1.820.353.00 POWER SUPPLY, MCH

GRP	ELM	PART NUMBER	DESCRIPTION		UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
11	1	54.25.0310	DC OUTPUT CONNECTOR	J02	1	9	10	0	0	
DISTRIBUTED IN 43 ELM TOTAL :					132	165	297	0	0	

 * STUDER REVOX AG * E L E M E N T S U M M A R Y * 91/07/18 * 17:15 * P A G E 15 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 8 1.820.620.00 VU PANEL 24 CH

GRP	ELM	PART NUMBER	DESCRIPTION		UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	REMARK
1	1		VU PANEL AUDIO CONN. CH 1-4	J01	0	7	7	0	1	
1	2		VU PANEL CONTROL CONN. CH 1-4	J02	0	5	5	0	1	
1	3		VU PANEL AUDIO CONN. CH 9-12	J03	0	7	7	0	1	
1	4		VU PANEL CONTROL CONN. CH 9-12	J04	0	5	5	0	1	
1	5		VU PANEL AUDIO CONN. CH 17-20	J05	0	7	7	0	1	
1	6		VU PANEL CONTROL CONN. CH 17-20	J06	0	5	5	0	1	
2	1		VU PANEL AUDIO CONN. CH 5-8	J01	0	7	7	0	1	
2	2		VU PANEL CONTROL CONN. CH 5-8	J02	0	5	5	0	1	
2	3		VU PANEL AUDIO CONN. CH 13-16	J03	0	7	7	0	1	
2	4		VU PANEL CONTROL CONN. CH 13-16	J04	0	5	5	0	1	
2	5		VU PANEL AUDIO CONN. CH 21-24	J05	0	7	7	0	1	
2	6		VU PANEL CONTROL CONN. CH 21-24	J06	0	5	5	0	1	
DISTRIBUTED IN 12 ELM TOTAL :					0	72	72	0	12	

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 16 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK

GRP 20 1.820.704.00
 BASIS BOARD TAPE DECK
 =====

ELM 1 SPOOLING M. DRIVE AMP. LEFT P01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 PHMPL-L1
 8 PHMPL-L2
 9 PHMPL-H1
 10 PHMPL-H2
 11 PHMPL-L3
 12 PHMPL-L4
 13 AN-ICLD
 14 PHMPL-L5
 15 PHMPL-L6
 16 + 0.0

ELM 2 SPOOLING M. DRIVE AMP. RIGHT P02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 PHMPR-L1
 8 PHMPR-L2
 9 PHMPR-H1
 10 PHMPR-H2
 11 PHMPR-L3
 12 PHMPR-L4
 13 AN-ICRD
 14 PHMPR-L5
 15 PHMPR-L6
 16 + 0.0

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 3 CAPSTAN M. DRIVE AMPLIFIER P03
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-CSPDC
 8 TD-TCM1
 9 + 0.0
 10 TD-TCM2
 11 + 0.0
 12 + 0.0
 13 TC-CPREF
 14 TC-CAPDC
 15 TD-C76K
 16 + 0.0

ELM 4 PAR. CONT. INT. SYNCHRONIZER P04
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 TC-TCDIR
 8 + 0.0
 9 TC-TCMV
 10 + 0.0
 11 T-REFINT
 12 TD-CAPSY
 13 TD-MVDIR
 14 TD-MVCLK
 15 + 0.0

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 6 OPTO + EXTENDED SENSORS P06
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 TD-YTRSP
 8 TD-SHLD
 9 TD-TRSP
 10 TD-TRSPR

ELM 7 TAPE LIFT MOTOR, LEFT P07
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +26.0
 6 -26.0
 7
 8
 9
 10
 11 TD-RALP1
 12 TD-RALC2
 13 TD-RALP2
 14 TD-RALC1
 15 TD-RALEN
 16

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 17 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 8 TAPE LIFT MOTOR, RIGHT P08
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +26.0
 6 -26.0
 7
 8
 9
 10
 11 TD-RARP1
 12 TD-RARC2
 13 TD-RARP2
 14 TD-RARC1
 15 TD-RAREN
 16

ELM 9 TACHO SENSOR SPOOLING M. LEFT P09
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES1
 8 TD-TML2
 9 TD-TML1
 10

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 10 TACHO SENSOR SPOOLING M. RIGHT P10
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES2
 8 TD-TMR2
 9 TD-TMR1
 10

ELM 11 MOVE SENSOR P11
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES3
 8 TD-MOVE2
 9 TD-MOVE1
 10

ELM 12 TAPE TENSION SENSOR, LEFT P12
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7
 8
 9 AN-TTL
 10

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 13 TAPE TENSION SENSOR, RIGHT P13
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7
 8
 9 AN-TTR
 10

ELM 14 FUSE FAILURE DETECTOR P14
 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN3
 2 +STABIN3
 3
 4 +24.0
 5 +STABIN2
 6 T-SUPVON
 7 +STABIN1
 8 +STABTN1
 9 + 5.6
 10 + 5.6
 11 + 0.0
 12 + 0.0
 13 -15.0
 14 +15.0
 15 +26.0
 16 -26.0

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 18 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 15 DISPLAY DRIVER P15				
PNT	SIGNAL NAME	COLOR	LV	TYPE F
1	+ 0.0			
2	+ 0.0			
3	+ 5.6			
4	+ 5.6			
5	+24.0			
6	+24.0			
7	TM-DSL4			
8	TM-ISL4			
9	TM-DRES			
10	TM-IRES			
11	TM-DRW			
12	TM-IRW			
13	TM-DENB			
14	TM-IENB			
15	TM-DADR2			
16	TM-IADR2			
17	TM-DADR1			
18	TM-IADR1			
19	TM-DADRO			
20	TM-IADRO			
21	TM-SHIR			
22	0.0 VCU			
23	TM-KBIR			
24	0.0 VCU			
25	TM-DATA7			
26	0.0 VCU			
27	TM-DATA6			
28	0.0 VCU			
29	TM-DATA5			
30	0.0 VCU			
31	TM-DATA4			
32	0.0 VCU			
33	TM-DATA3			
34	0.0 VCU			
35	TM-DATA2			
36	0.0 VCU			
37	TM-DATA1			
38	0.0 VCU			
39	TM-DATA0			
40	0.0 VCU			

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 16 PARALLEL REMOTE INTERFACE P16				
PNT	SIGNAL NAME	COLOR	LV	TYPE F
1	+ 0.0			
2	+ 0.0			
3	+ 5.6			
4	+ 5.6			
5	+STABIN4			
6	+STABIN4			
7	TM-DSL5			
8	TM-ISL5			
9	TM-DRES			
10	TM-IRES			
11	TM-DRW			
12	TM-IRW			
13	TM-DENB			
14	TM-IENB			
15	T-REFEXT			
16	0.0 VCU			
17	TC-TCMV			
18	TC-TCDIR			
19	TM-DADRO			
20	TM-IADRO			
21	TM-REMIR			
22	0.0 VCU			
23	TD-MVCLK			
24	TD-MVDIR			
25	TM-DATA7			
26	0.0 VCU			
27	TM-DATA6			
28	0.0 VCU			
29	TM-DATA5			
30	0.0 VCU			
31	TM-DATA4			
32	0.0 VCU			
33	TM-DATA3			
34	0.0 VCU			
35	TM-DATA2			
36	0.0 VCU			
37	TM-DATA1			
38	0.0 VCU			
39	TM-DATA0			
40	0.0 VCU			

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 17 TO HEAD BLOCK ASSEMBLY P17				
PNT	SIGNAL NAME	COLOR	LV	TYPE F
1	+ 0.0			
2	+ 0.0			
3	+ 5.6			
4	+ 5.6			
5	+15.0			
6	-15.0			
7	T-SADA			
8	T-SADB			
9	T-SADC			
10	T-READSL			
11	T-WRTSL			
12	T-DT-RP1			
13	T-DT-RP2			
14	T-DT-SJM			
15	T-DT-MP			
16	T-DT-RES			
17				
18				
19				
20	+ 0.0			
21				
22	+ 0.0			
23				
24	+24.0			
25	+ 0.0			
26	+ 0.0			

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 19 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 18 RESERVE P18				
PNT	SIGNAL NAME	COLOR	LV	TYPE F
1	+ 0.0			
2	+ 0.0			
3	+ 5.6			
4	+ 5.6			
5	+15.0			
6	-15.0			
7	T-SADA			
8	T-SADB			
9	T-SADC			
10	T-READSL			
11	T-WRTSL			
12	T-DT-CH1			
13	T-DT-CH2			
14	T-DT-CH3			
15	T-DT-MP			
16	T-DT-RES			
17				
18				
19				
20	+ 0.0			
21	T-VARSPD			
22	+ 0.0			
23				
24	+24.0			
25	+ 0.0			
26	+ 0.0			

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 19 MECHANICAL ELAPSED TIMER P19				
PNT	SIGNAL NAME	COLOR	LV	TYPE F
1	+ 0.0			
2	+ 0.0			
3	+ 5.6			
4	+ 5.6			
5	+15.0			
6	-15.0			
7	T-SADA			
8	T-SADB			
9	T-SADC			
10	T-READSL			
11	T-WRTSL			
12	T-DT-CH1			
13	T-DT-CH2			
14	T-DT-CH3			
15	T-DT-MP			
16	T-DT-RES			

ELM 30 SSDA INT. SYNCHRONIZER P20				
PNT	SIGNAL NAME	COLOR	LV	TYPE F
1	GND			
2	TD3-CLK			
3	SYS-CTS			
4	SYS-RX			
5	SYS-DTR			
6	SYS-TX			
7	TC-EVEN			
8	GND			
9				
10				

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 31 TO SMPTE/FBU CONNECTOR P21				
PNT	SIGNAL NAME	COLOR	LV	TYPE F
1	FRMGND			
2	TRANSCM			
3	TRANSA			
4	TRANSB			
5	RECEIVB			
6	RECEIVA			
7	RECEIVCM			
8	FRMGND			
9	SPARE			
10				

ELM 32 BASIS BOARD AUDIO CONT. ELM15 P24				
PNT	SIGNAL NAME	COLOR	LV	TYPE F
1	+ 0.0			
2	TD-HEACT			
3	+ 0.0			
4	TD-MVDIR			
5	+ 0.0			
6	TD-EVENT			
7	+ 0.0			
8	TC-EVENI			
9	+ 0.0			
10	TD-MOVE			
11	+ 0.0			
12	TA-OUTPO			
13	+ 0.0			
14	ADS-CLK			
15	+ 0.0			
16	TD-C307K			
17	+ 0.0			
18	ADS-CTS			
19	+ 0.0			
20	ADS-DTR			
21	+ 0.0			
22	ADS-RX			
23	+ 0.0			
24	ADS-TX			
25	+ 0.0			
26	TM-EVENT			

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 20 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 33 BASIS BOARD AUDIO CONT. ELM16 P25				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1	+ 0.0			
2	TAD-RESA			
3	+ 0.0			
4	TAD-RESB			
5	+ 0.0			
6	TAD-RESC			
7	+ 0.0			
8				
9	+ 0.0			
10				
11	+ 0.0			
12				
13	+ 0.0			
14				
15	+ 0.0			
16				
17	+ 0.0			
18				
19	+ 0.0			
20				
21	+ 0.0			
22				
23	+ 0.0			
24				
25	+ 0.0			
26				

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GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 34 INT. SYNCHRONIZER				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1	TC-SL3			
2	+ 0.0			
3	TC-SL4			
4	+ 0.0			
5	TC-IRQ			
6	+ 0.0			
7	TC-ENBG			
8	+ 0.0			
9	TC-RESMP			
10	+ 0.0			
11	+ 0.0			
12	+ 0.0			
13	+ 0.0			
14	+ 0.0			
15	TC-RW			
16	+ 0.0			
17	TC-ENB			
18	+ 0.0			
19	TC-ADR2			
20	+ 0.0			
21	TC-ADR1			
22	+ 0.0			
23	TC-ADRO			
24	+ 0.0			
25	TC-DATA7			
26	+ 0.0			
27	TC-DATA6			
28	+ 0.0			
29	TC-DATA5			
30	+ 0.0			
31	TC-DATA4			
32	+ 0.0			
33	TC-DATA3			
34	+ 0.0			
35	TC-DATA2			
36	+ 0.0			
37	TC-DATA1			
38	+ 0.0			
39	TC-DATA0			
40	+ 0.0			

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 40 1.820.759.00 SPOOLING MOTOR DRIVER J01				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1	AN-ICR			
2	AN-IRR			
3	AN-ICR			
4	AN-IRR			
5				
6				
7	PWMPL-H1			
8	PWMPL-L3			
9	AN-ICRD			
10	PWMPL-L6			
11				
12				
13				
14				
15	TD-PENBR			
16				
17	TD-C76K			
18	+15.0			
19	KEY			
20	+ 5.6			
21	+ 0.0			
22	-15.0			
23	TD-PENBL			
24				
25				
26	AN-ICL			
27	AN-IRL			
28	PWMPL-H1			
29	PWMPL-L3			
30	AN-ICLD			
31	PWMPL-L6			
32	PWMPL-L5			
33	PWMPL-L4			
34	PWMPL-H2			
35	PWMPL-L1			
36	PWMPL-R5			
37	PWMPL-R4			
38	PWMPL-R2			
39	PWMPL-L1			

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 21 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 41 1.820.764.00 CAPSTAN CONTROL UNIT J02				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1	TD-TCM1			
2	TD-TCM2			
3	TC-REFP			
4	TC-CAPDC			
5	TC-TCMVI			
6	TC-CDIRI			
7	TD-CAPSY			
8	TC-REF			
9	TC-INEX			
10	TC-RESMP			
11	TC-ENBG			
12	TC-EVEN			
13	TC-IRQ			
14	TC-EREF			
15	TC-SL4			
16	TC-SL3			
17				
18	+15.0			
19	KEY			
20	+ 5.6			
21	+ 0.0			
22	-15.0			
23	TC-SL2			
24	TC-SL1			
25				
26	TD-CREG			
27	TC-RW			
28	TC-ENB			
29	TC-ADR2			
30	TC-ADR1			
31	TC-ADRO			
32	TC-DATA7			
33	TC-DATA6			
34	TC-DATA5			
35	TC-DATA4			
36	TC-DATA3			
37	TC-DATA2			
38	TC-DATA1			
39	TC-DATA0			

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GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 42 1.820.727.00 CAPSTAN INTERFACE J03				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1A	TC-CDIRI			
1B	TD-TCM1			
2A	TC-TCMVI			
2B	TD-TCM2			
3A	AN-CSPDC			
3B	AN-CSPDC			
4A	TC-EVEN			
4B	TC-REFP			
5A	TC-TCMV			
5B	TC-TCMV			
6A	TC-TCDIR			
6B	TC-TCDIR			
7A				
7B				
8A	TC-RESMP			
8B	TC-ENBG			
9A	TC-IRQ			
9B				
10A				
10B	TC-EREF			
11A	TC-REF			
11B	T-REFINT			
12A	TC-INEX			
12B	T-REFEXT			
13A	TC-SL1			
13B	TD-IRQ			
14A	TC-SL2			
14B	TD-SL7			
15A	+15.0			
15B	+15.0			
16A	+ 5.6			
16B	+ 5.6			
17A	+ 0.0			
17B	+ 0.0			
18A	-15.0			
18B	-15.0			
19A				
19B	TD-RES			
20A	TC-RW			
20B	TD-RW			
21A	TC-ENB			
21B	TD-ENB			
22A	TC-ADR2			
22B				
23A	TC-ADR1			
23B	TD-ADR1			
24A	TC-ADRO			

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GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 42 1.820.727.00 CAPSTAN INTERFACE J03				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
24B	TD-ADRO			
25A	TC-DATA7			
25B	TD-DATA7			
26A	TC-DATA6			
26B	TD-DATA6			
27A	TC-DATA5			
27B	TD-DATA5			
28A	TC-DATA4			
28B	TD-DATA4			
29A	TC-DATA3			
29B	TD-DATA3			
30A	TC-DATA2			
30B	TD-DATA2			
31A	TC-DATA1			
31B	TD-DATA1			
32A	TC-DATA0			
32B	TD-DATA0			

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 22 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 43 1.820.762.00
 TAPE DECK PERIPHERY CONTR. J04

ELM 43 1.820.762.00
 <-- <-- <-- CONTINUATION

ELM 44 1.820.761.00
 TAPE DECK COUNTER / TIMER J05

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	TD-RALEN				
1B	TD-RALC1				
2A	TD-RALP2				
2B	TD-RALC2				
3A	TD-RALP1				
3B	TD-RARP1				
4A	TD-MOVE				
4B	TD-RARP2				
5A	TD-EVENT				
5B	TD-RAREN				
6A	TD-CRES				
6B	TD-RARC1				
7A					
7B	TD-RARC2				
8A	TD-SHLD				
8B					
9A	TD-TRSP				
9B	TD-HEACT				
10A	TD-PHENB				
10B	T-SUPVON				
11A	-YSUP				
11B					
12A	vcur				
12B					
13A					
13B					
14A					
14B	TD-SL3				
15A	+15.0				
15B	+15.0				
16A	+ 5.6				
16B	+ 5.6				
17A	+ 0.0				
17B	+ 0.0				
18A	-15.0				
18B	-15.0				
19A	T-IRES2				
19B	TD-RES				
20A	TD-PENBL				
20B	TD-RW				
21A	TD-PENBR				
21B	TD-ENB				
22A	T-IRES3				
22B	TD-ADR2				
23A	T-IRES4				
23B	TD-ADR1				
24A					

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	TD-ADRO				
25A					
25B	TD-DATA7				
26A					
26B	TD-DATA6				
27A	OC-RES1				
27B	TD-DATA5				
28A	OC-RES2				
28B	TD-DATA4				
29A	OC-RES3				
29B	TD-DATA3				
30A	OC-RES4				
30B	TD-DATA2				
31A	K-BRAKEL				
31B	TD-DATA1				
32A	K-BRAKER				
32B	TD-DATA0				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	TD-TML1				
2	TD-TML2				
3	TD-TMR1				
4	TD-TMR2				
5					
6	TD-ADR3				
7	TD-MOVE1				
8	TD-MOVE2				
9	TD-ICRE1				
10					
11	TD-ICRE2				
12	TD-MVCLK				
13	TD-IRQ				
14	TD-MVDIR				
15					
16	TD-ICRE3				
17	TD-ICRE4				
18	+15.0				
19	KEY				
20	+ 5.6				
21	+ 0.0				
22	-15.0				
23	TD-ICRE5				
24					
25	TD-SL6				
26	TD-RES				
27	TD-RW				
28	TD-ENB				
29	TD-ADR2				
30	TD-ADR1				
31	TD-ADRO				
32	TD-DATA7				
33	TD-DATA6				
34	TD-DATA5				
35	TD-DATA4				
36	TD-DATA3				
37	TD-DATA2				
38	TD-DATA1				
39	TD-DATA0				

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 23 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 45 1.820.822.00
 SPOOLING MOTOR CONTROLLER J06

ELM 46 1.820.781.00
 MP-UNIT TD CONTROL MCH J07

ELM 47 1.820.763.00
 TAPE DECK SERIAL INTERFACE J08

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	AN-TTL				
2	AN-TTR				
3	AN-TTL				
4	AN-TTR				
5					
6	AN-IRL				
7					
8	AN-IRR				
9					
10					
11					
12					
13					
14					
15					
16					
17					
18	+15.0				
19	KEY				
20	+ 5.6				
21	+ 0.0				
22	-15.0				
23	TD-SL4				
24					
25					
26	TD-RES				
27	TD-RW				
28	TD-ENB				
29	TD-ADR2				
30	TD-ADR1				
31	TD-ADRO				
32	TD-DATA7				
33	TD-DATA6				
34	TD-DATA5				
35	TD-DATA4				
36	TD-DATA3				
37	TD-DATA2				
38	TD-DATA1				
39	TD-DATA0				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1					
2					
3	TD-SL3				
4	TD-SL2				
5	TD-RESMP				
6	TD-ADR3				
7	TD-C614K				
8	TD-BUSSW				
9	TD-NMI				
10	TD-RX				
11	TD-TX				
12	TD-DRENB				
13	TD-IRQ				
14	T-PHON				
15	TD-SL7				
16	TD-C76K				
17	TD-9600				
18	+15.0				
19	KEY				
20	+ 5.6				
21	+ 0.0				
22	TD-C307K				
23	TD-SL4				
24	TD-SL5				
25	TD-SL6				
26	TD-RESET				
27	TD-RW				
28	TD-ENB				
29	TD-ADR2				
30	TD-ADR1				
31	TD-ADRO				
32	TD-DATA7				
33	TD-DATA6				
34	TD-DATA5				
35	TD-DATA4				
36	TD-DATA3				
37	TD-DATA2				
38	TD-DATA1				
39	TD-DATA0				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	AN-TTL				
2	AN-TTR				
3	AN-ICL				
4	AN-ICR				
5	AN-TTL				
6	AN-TTR				
7	AN-RES1				
8	AN-RES2				
9	AN-RES3				
10	AN-RES4				
11	TD-RESMP				
12	TD-IRQ				
13	TDS-RX				
14	TDS-TX				
15	TDS-DTR				
16	TDS-CTS				
17	TDS-CLK				
18	+15.0				
19	KEY				
20	+ 5.6				
21	+ 0.0				
22	-15.0				
23	TD-RESET				
24	TD-ADR3				
25	TD-SL5				
26	TD-RES				
27	TD-RW				
28	TD-ENB				
29	TD-ADR2				
30	TD-ADR1				
31	TD-ADRO				
32	TD-DATA7				
33	TD-DATA6				
34	TD-DATA5				
35	TD-DATA4				
36	TD-DATA3				
37	TD-DATA2				
38	TD-DATA1				
39	TD-DATA0				

***** STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * PAGE 24 *
 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 48 1.820.753.00
 MASTER SERIAL INTERFACE J09

ELM 48 1.820.753.00
 <-- <-- <-- CONTINUATION

ELM 49 1.820.784.00
 MP-UNIT MASTER MCH J10

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	TM-DSL4				
1B	TM-ISL4				
2A	TM-DSL5				
2B	TM-ISL5				
3A	TM-DRES				
3B	TM-IRES				
4A	TM-DRM				
4B	TM-IRM				
5A	TM-DEMB				
5B	TM-IENB				
6A	TM-DADR2				
6B	TM-IADR2				
7A	TM-DADR1				
7B	TM-IADR1				
8A	TM-DADRO				
8B	TM-IADRO				
9A	TM-SL4				
9B	TM-SL5				
10A	TDS-RX				
10B	TDS-TX				
11A	TDS-DTR				
11B	TDS-CTS				
12A	SYS-RX				
12B	SYS-TX				
13A	SYS-DTR				
13B	SYS-CTS				
14A	TM-SHIR				
14B	TM-KBIR				
15A	+15.0				
15B	+15.0				
16A	+ 5.6				
16B	+ 5.6				
17A	+ 0.0				
17B	+ 0.0				
18A	-15.0				
18B	-15.0				
19A	TDS-CLK				
19B	TM-REMIR				
20A	TD-HEACT				
20B	TM-SEIR				
21A	TD-MOVE				
21B	TA-AUIR				
22A	TD-CAPSY				
22B	TM-SL2				
23A	TM-RESMP				
23B	TM-ADR3				
24A	TM-RES				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	TM-IRQ				
25A	TD-MVDIR				
25B	TD-MVCLK				
26A	TM-RESET				
26B	TM-RM				
27A	TM-ENB				
27B	TM-ADR2				
28A	TM-ADR1				
28B	TM-ADRO				
29A	TM-DATA7				
29B	TM-DATA6				
30A	TM-DATA5				
30B	TM-DATA4				
31A	TM-DATA3				
31B	TM-DATA2				
32A	TM-DATA1				
32B	TM-DATA0				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	TD-EVENT				
2	TM-EVENT				
3	TM-SL3				
4	TM-SL2				
5	TM-RESMP				
6	TM-ADR3				
7	TM-C614K				
8	TM-BUSSM				
9	TM-NMI				
10	TM-RX				
11	TM-TX				
12	TM-DRENB				
13	TM-IRQ				
14	T-PWRON				
15	TM-SL7				
16	TM-C76K				
17	TM-C9600				
18	+15.0				
19	KEY				
20	+ 5.6				
21	+ 0.0				
22	TM-C307K				
23	TM-SL4				
24	TM-SL5				
25	TM-SL6				
26	TM-RESET				
27	TM-RM				
28	TM-ENB				
29	TM-ADR2				
30	TM-ADR1				
31	TM-ADRO				
32	TM-DATA7				
33	TM-DATA6				
34	TM-DATA5				
35	TM-DATA4				
36	TM-DATA3				
37	TM-DATA2				
38	TM-DATA1				
39	TM-DATA0				

***** STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * PAGE 25 *
 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION

ELM 50 1.820.751.00
 SMPTE/EBU INTERFACE J11

ELM 51 1.820.756.00
 MASTER TO AUDIO INTERFACE J12

ELM 51 1.820.756.00
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	FRMGND				
2	TRANSCM				
3	TRANSA				
4	TRANSB				
5	RECEIVB				
6	RECEIVA				
7	RECEIVCM				
8	FRMGND				
9	RCV-232				
10	TM-RX				
11	TM-TX				
12	TM-DRENB				
13	TM-SEIR				
14	SND-232				
15	TM-BUSSM				
16	TM-SL3				
17	TM-ADR3				
18	+15.0				
19	KEY				
20	+ 5.6				
21	+ 0.0				
22	-15.0				
23	TM-SL4				
24	TM-SL5				
25	TM-SL6				
26	TM-RES				
27	TM-RM				
28	TM-ENB				
29	TM-ADR2				
30	TM-ADR1				
31	TM-ADRO				
32	TM-DATA7				
33	TM-DATA6				
34	TM-DATA5				
35	TM-DATA4				
36	TM-DATA3				
37	TM-DATA2				
38	TM-DATA1				
39	TM-DATA0				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	T-SADA				
1B	T-SADB				
2A	T-SADC				
2B	T-READSL				
3A	T-WRTSL				
3B	T-DT-CH1				
4A	T-DT-CH2				
4B	T-DT-CH3				
5A	T-DT-MP				
5B	T-DT-RP1				
6A	T-DT-RP2				
6B	TC-EVENT				
7A	T-DT-SJM				
7B					
8A	T-DT-RES				
8B					
9A					
9B	ADS-CLK				
10A	T-REFEXT				
10B					
11A	TA-AUIR				
11B	ADS-CTS				
12A					
12B	ADS-DTR				
13A					
13B	ADS-RX				
14A	TM-SL6				
14B	ADS-TX				
15A					
15B					
16A	+ 0.0				
16B	+ 0.0				
17A					
17B					
18A	+ 5.6				
18B	+ 5.6				
19A	TM-RES				
19B	TC-EVEN				
20A	TM-RM				
20B	TAD-RESA				
21A	TM-ENB				
21B	TAD-RESB				
22A	TM-ADR2				
22B	TAD-RESC				
23A	TM-ADR1				
23B					
24A	TM-ADRO				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B					
25A	TM-DATA7				
25B					
26A	TM-DATA6				
26B					
27A	TM-DATA5				
27B					
28A	TM-DATA4				
28B					
29A	TM-DATA3				
29B					
30A	TM-DATA2				
30B					
31A	TM-DATA1				
31B					
32A	TM-DATA0				
32B					

ELM 60 WIRE FIELD (FROM GRP20, ELM70)

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0	0		L	
2	+ 0.0	0		L	
3	+ 0.0	0		L	

ELM 61 WIRE FIELD (FROM GRP20, ELM70)

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-26.0	9		L	
2	+26.0	1		L	
3	+ 0.0	0		L	
4	+ 0.0	0		L	
5	+0.0SENS	0		L	
6	+ 0.0	0		L	
7	+ 0.0	0		L	
8	+ 0.0	0		L	
9	-15.0	6		L	
10	+15.0	2		L	

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 26 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 62
 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 5.6	3	L		
2	+ 5.6	3	L		
3	+5.6SENS	4	L		
4	+STABIN1	3	U		
5	+STABIN2	5	U		
6	+STABIN3	2	L		
7	+STABIN3	2	L		
8	OSTABIN	4	L		
9	OSTABIN	4	L		
10	+STABIN4	8	L		
11	+24.0	7	U		
12	+24.0	7	U		
13	+24.0	7	U		
14	T-PWRON	5	U		
15	TD-C76K	9	U		

ELM 63
 WIRE FIELD (TO BRAKE SOLENOIDS)

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	K-BRAKEL	1	U		
2	K-BRAKER	4	U		

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 70
 FROM GRP35, ELM59 J13

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 5.6	3	F		
2	+ 5.6	3	F		
3	+5.6SENS	4	F		
4	TD-C76K	9	F		
5	+ 0.0	0	F		
6	+ 0.0	0	F		
7	T-PWRON	5	F		
8	+ 0.0	0	F		
9	+ 0.0	0	F		
10	+ 0.0	0	F		
11	+15.0	2	F		
12	-15.0	6	F		
13	+ 0.0	0	F		
14	+ 0.0	0	F		
15	+24.0	7	F		
16	+STABIN4	8	F		
17	+STABIN1	3	F		
18	+STABIN2	5	F		
19	-26.0	9	F		
20	+26.0	1	F		
21	+ 0.0	0	F		
22	+0.0SENS	0	F		
23	OSTABIN	4	F		
24	+STABIN3	2	F		

GRP 20 1.820.704.00
 <-- <-- <-- CONTINUATION
 =====

ELM 73
 TO BRAKE SOLENOID, RIGHT P26

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+24.0	7	F		
2	K-BRAKER	4	F		
3					

ELM 71
 TO CAPSTAN MOTOR DRIVE AMPLIFIER P24

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	OSTABIN	4	F		
2					
3					
4					
5					
6	+STABIN3	2	F		

ELM 72
 TO BRAKE SOLENOID, LEFT P25

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+24.0	7	F		
2	K-BRAKEL	1	F		
3					

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 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 21 1.827.702.00
 BASIS BOARD AUDIO CONTROL
 =====

ELM 1 CONNECTOR STUDIOBUS J02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 PNLBUS1
 2 + 0.0
 3 PNLBUS2

ELM 2 CONNECTOR STUDIOBUS J03
 PNT SIGNAL NAME COLOR LV TYPE F
 1 PNLBUS1
 2 + 0.0
 3 PNLBUS2

ELM 3 CONNECTOR STUDIOBUS J04
 PNT SIGNAL NAME COLOR LV TYPE F
 1 PNLBUS1
 2 + 0.0
 3 PNLBUS2

ELM 4 P01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 TS-RX

ELM 5 P02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 TS-TX

ELM 6 P03
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION
 =====

ELM 7 P04
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0

ELM 8 FROM GRP35, ELM61 J01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 5.6 BX
 2 BX
 3 + 0.0 BX
 4 + 0.0 BX
 5 +15.0 BX
 6 BX
 7 -15.0 BX
 8 BX
 9 T-PWRON BX
 10 +24.0NRS BX

ELM 10 TO GRP24, ELM03 P05
 PNT SIGNAL NAME COLOR LV TYPE F

1 B-RCD-01
 2
 3 B-RCD-02
 4 B-RCD-06
 5 B-RCD-03
 6 B-RCD-07
 7
 8
 9 B-RCD-04
 10 B-RCD-08
 11 B-RCD-05
 12 +24.0
 13
 14 +0.0
 15
 16

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION
 =====

ELM 11 TO GRP24, ELM02 P06
 PNT SIGNAL NAME COLOR LV TYPE F
 1 B-RCD-09
 2
 3 B-RCD-10
 4 B-RCD-14
 5 B-RCD-11
 6 B-RCD-15
 7
 8
 9 B-RCD-12
 10 B-RCD-16
 11 B-RCD-13
 12 +24.0
 13
 14 +0.0
 15
 16

ELM 12 TO GRP24, ELM01 P07
 PNT SIGNAL NAME COLOR LV TYPE F

1 B-RCD-17
 2
 3 B-RCD-18
 4 B-RCD-22
 5 B-RCD-19
 6 B-RCD-23
 7
 8
 9 B-RCD-20
 10 B-RCD-24
 11 B-RCD-21
 12 +24.0
 13
 14 +0.0
 15
 16

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 28 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION
 =====

ELM 15 TAPE DECK BASIS BOARD, ELM32 P08
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 TD-HEACT
 3 + 0.0
 4 TD-MVDIR
 5 + 0.0
 6 TD-EVENT
 7 + 0.0
 8 TC-EVENT
 9 + 0.0
 10 TD-MOVE
 11 + 0.0
 12 TA-OUTPO
 13 + 0.0
 14 ADS-CLK
 15 + 0.0
 16 TD-C307K
 17 + 0.0
 18 ADS-CTS
 19 + 0.0
 20 ADS-DTR
 21 + 0.0
 22 ADS-RX
 23 + 0.0
 24 ADS-TX
 25 + 0.0
 26 TM-EVENT

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION
 =====

ELM 16 TAPE DECK BASIS BOARD, ELM33 P09
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 TAD-RESA
 3 + 0.0
 4 TAD-RESB
 5 + 0.0
 6 TAD-RESC
 7 + 0.0
 8
 9 + 0.0
 10
 11 + 0.0
 12
 13 + 0.0
 14
 15 + 0.0
 16
 17 + 0.0
 18
 19 + 0.0
 20
 21 + 0.0
 22
 23 + 0.0
 24
 25 + 0.0
 26

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION
 =====

ELM 20 1.820.718.00 COMMUNICATIONS CONTROLLER J05
 PNT SIGNAL NAME COLOR LV TYPE F
 1 TD-HEACT
 2 TD-MVDIR
 3 TD-MOVE
 4 TA-OUTPO
 5 A-DTOUT
 6 A-DTIN
 7 TS-TX
 8 TS-RX
 9 ADS-TX
 10 ADS-CLK
 11 ADS-DTR
 12 ADS-RX
 13 ADS-CTS
 14 TA-IRQ
 15 TA-RX
 16 TA-TX
 17 TA-C614K
 18 +15.0
 19 KEY
 20 + 5.6
 21 + 0.0
 22 -15.0
 23 PNLBUS1
 24 PNLBUS2
 25 TA-SL7
 26 TA-RESMP
 27 TA-RW
 28 TA-ENB
 29 TA-ADR2
 30 TA-ADR1
 31 TA-ADRO
 32 TA-DATA7
 33 TA-DATA6
 34 TA-DATA5
 35 TA-DATA4
 36 TA-DATA3
 37 TA-DATA2
 38 TA-DATA1
 39 TA-DATA0

STUDER A827 MCH

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* STUDER REVOX AG * L O C A T I O N P I N N L I S T * 91/07/18 * 17:15 * PAGE 29 *
*****
* 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
*****
ASY 1 TAPE DECK <-- <-- <-- CONTINUATION
```

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GRP 21 1.827.702.00
<-- <-- <-- CONTINUATION
```

```
ELM 21 1.827.788.00
MPU AUDIO CONTROL MCH J06
```

```
-----
PNT SIGNAL NAME COLOR LV TYPE F
-----
1 TD-EVENT
2 TC-EVENT
3 TA-SL3
4 TA-SL2
5 TA-RESMP
6 TA-ADR3
7
8 TM-EVENT
9 TA-NMI
10 TA-RX
11 TA-TX
12 TA-DRENB
13 TA-IRQ
14 T-PWRON
15 TA-SL7
16 TA-C76K
17
18
19 KEY
20 + 5.6
21 + 0.0
22 TA-C614K
23 TA-SL4
24 TA-SL5
25 TA-SL6
26 TA-RESET
27 TA-RH
28 TA-ENB
29 TA-ADR2
30 TA-ADR1
31 TA-ADRO
32 TA-DATA7
33 TA-DATA6
34 TA-DATA5
35 TA-DATA4
36 TA-DATA3
37 TA-DATA2
38 TA-DATA1
39 TA-DATA0
-----
./.
```

```
GRP 21 1.827.702.00
<-- <-- <-- CONTINUATION
```

```
ELM 22 1.827.725.00
GENERATOR UNIT MCH J07
```

```
-----
PNT SIGNAL NAME COLOR LV TYPE F
-----
1
2 A-TONGEN
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18 +15.0
19 KEY
20 + 5.6
21 + 0.0
22 -15.0
23
24
25 TA-SL6
26
27 TA-RH
28 TA-ENB
29 TA-ADR2
30 TA-ADR1
31 TA-ADRO
32 TA-DATA7
33 TA-DATA6
34 TA-DATA5
35 TA-DATA4
36 TA-DATA3
37 TA-DATA2
38 TA-DATA1
39 TA-DATA0
-----
./.
```

```
GRP 21 1.827.702.00
<-- <-- <-- CONTINUATION
```

```
ELM 23 1.820.816.00
CONTROLLER EXTERNAL NRS J08
```

```
-----
PNT SIGNAL NAME COLOR LV TYPE F
-----
1A
1B
2A
2B
3A
3B
4A
4B + 0.0
5A
5B
6A B-RCD-01
6B B-RCD-02
7A B-RCD-06
7B B-RCD-03
8A B-RCD-07
8B B-RCD-04
9A B-RCD-08
9B B-RCD-05
10A
10B
11A
11B
12A
12B + 0.0
13A
13B
14A B-RCD-09
14B B-RCD-10
15A B-RCD-14
15B B-RCD-11
16A B-RCD-15
16B B-RCD-12
17A B-RCD-16
17B B-RCD-13
18A
18B
19A
19B
20A
20B + 5.6
21A B-RCD-17
21B B-RCD-18
22A B-RCD-22
22B B-RCD-19
23A B-RCD-23
23B B-RCD-20
24A B-RCD-24
```

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 30 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION

ELM 23 1.820.816.00
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	B-RCO-21				
25A	TA-RESMP				
25B	TA-SL2				
26A	TA-RW				
26B	TA-ENB				
27A	TA-ADR3				
27B	TA-ADR2				
28A	TA-ADR1				
28B	TA-ADRO				
29A	TA-DATA7				
29B	TA-DATA6				
30A	TA-DATA5				
30B	TA-DATA4				
31A	TA-DATA3				
31B	TA-DATA2				
32A	TA-DATA1				
32B	TA-DATA0				

./.

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION

ELM 24 1.827.723.00
 BUS DRIVER MCH J09

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	T-CLP-AB				
1B	T-AOP-AB				
1C	T-AON-AB				
2A	T-CLN-AB				
2B	T-AIP-AB				
2C	T-AIN-AB				
3A					
3B	T-RWP-AB				
3C	T-RWN-AB				
4A					
4B	T-SL-AB				
4C	+ 0.0				
5A					
5B	T-DT0-AB				
5C	T-DT1-AB				
6A					
6B	T-DT2-AB				
6C	T-DT3-AB				
7A					
7B	T-DT4-AB				
7C	T-DT5-AB				
8A					
8B	T-DT6-AB				
8C	T-DT7-AB				
9A	T-CLP-CD				
9B	T-AOP-CD				
9C	T-AON-CD				
10A	T-CLN-CD				
10B	T-AIP-CD				
10C	T-AIN-CD				
11A					
11B	T-RWP-CD				
11C	T-RWN-CD				
12A					
12B	T-SL-CD				
12C	+ 0.0				
13A					
13B	T-DT0-CD				
13C	T-DT1-CD				
14A					
14B	T-DT2-CD				
14C	T-DT3-CD				
15A					
15B	T-DT4-CD				
15C	T-DT5-CD				
16A					
16B	T-DT6-CD				

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION

ELM 24 1.827.723.00
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
16C	T-DT7-CD				
17A	T-CLP-EF				
17B	T-AOP-EF				
17C	T-AON-EF				
18A	T-CLN-EF				
18B	T-AIP-EF				
18C	T-AIN-EF				
19A					
19B	T-RWP-EF				
19C	T-RWN-EF				
20A					
20B	T-SL-EF				
20C	+ 5.6				
21A					
21B	T-DT0-EF				
21C	T-DT1-EF				
22A					
22B	T-DT2-EF				
22C	T-DT3-EF				
23A					
23B	T-DT4-EF				
23C	T-DT5-EF				
24A					
24B	T-DT6-EF				
24C	T-DT7-EF				
25A					
25B	TA-RESET				
25C	TA-SL4				
26A					
26B	TA-RW				
26C	TA-ENB				
27A					
27B	TA-ADR3				
27C	TA-ADR2				
28A					
28B	TA-ADR1				
28C	TA-ADRO				
29A					
29B	TA-DATA7				
29C	TA-DATA6				
30A					
30B	TA-DATA5				
30C	TA-DATA4				
31A					
31B	TA-DATA3				
31C	TA-DATA2				
32A	TD-C307K				

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 31 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION

ELM 24 1.827.723.00
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
32B	TA-DATA1				
32C	TA-DATA0				

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GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION

ELM 50 TO AUDIO RACK CH 1 TO 8 P10

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	A-TONGEN				
8	A-DTOUT				
9	A-DTIN				
10	+ 0.0				
11	T-CLP-AB				
12	T-CLN-AB				
13	+ 0.0				
14	T-AOP-AB				
15	T-AON-AB				
16	+ 0.0				
17	T-AIP-AB				
18	T-AIN-AB				
19	+ 0.0				
20	T-RWP-AB				
21	T-RWN-AB				
22	+ 0.0				
23	T-SL-AB				
24	+ 0.0				
25	T-DT0-AB				
26	+ 0.0				
27	T-DT1-AB				
28	+ 0.0				
29	T-DT2-AB				
30	+ 0.0				
31	T-DT3-AB				
32	+ 0.0				
33	T-DT4-AB				
34	+ 0.0				
35	T-DT5-AB				
36	+ 0.0				
37	T-DT6-AB				
38	+ 0.0				
39	T-DT7-AB				
40	+ 0.0				

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION

ELM 51 TO AUDIO RACK CH 9 TO 16 P11

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	A-TONGEN				
8	A-DTOUT				
9	A-DTIN				
10	+ 0.0				
11	T-CLP-CD				
12	T-CLN-CD				
13	+ 0.0				
14	T-AOP-CD				
15	T-AON-CD				
16	+ 0.0				
17	T-AIP-CD				
18	T-AIN-CD				
19	+ 0.0				
20	T-RWP-CD				
21	T-RWN-CD				
22	+ 0.0				
23	T-SL-CD				
24	+ 0.0				
25	T-DT0-CD				
26	+ 0.0				
27	T-DT1-CD				
28	+ 0.0				
29	T-DT2-CD				
30	+ 0.0				
31	T-DT3-CD				
32	+ 0.0				
33	T-DT4-CD				
34	+ 0.0				
35	T-DT5-CD				
36	+ 0.0				
37	T-DT6-CD				
38	+ 0.0				
39	T-DT7-CD				
40	+ 0.0				

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 32 *

 * 1.827.073.00 * A 027 TAPE TRANSPORT & AUDIO PICH * 91/07/18 * U U *****

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 21 1.827.702.00
 <-- <-- <-- CONTINUATION
 =====

ELM 52 TO AUDIO RACK CH 17 TO 24 P12

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	A-TONGEN				
8	A-DTOUT				
9	A-DTIN				
10	+ 0.0				
11	T-CLP-EF				
12	T-CLN-EF				
13	+ 0.0				
14	T-AOP-EF				
15	T-AON-EF				
16	+ 0.0				
17	T-A1P-EF				
18	T-A1N-EF				
19	+ 0.0				
20	T-RWP-EF				
21	T-RWN-EF				
22	+ 0.0				
23	T-SL-EF				
24	+ 0.0				
25	T-DT0-EF				
26	+ 0.0				
27	T-DT1-EF				
28	+ 0.0				
29	T-DT2-EF				
30	+ 0.0				
31	T-DT3-EF				
32	+ 0.0				
33	T-DT4-EF				
34	+ 0.0				
35	T-DT5-EF				
36	+ 0.0				
37	T-DT6-EF				
38	+ 0.0				
39	T-DT7-EF				
40	+ 0.0				

GRP 23 1.827.322.00
 SYNC.-CONNECTION PANEL MK1/MK2
 =====

ELM 1 BICODE/PILOT J01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SHIELD	S		L	
2	SBCS	4		L	
3	SBCR	9		L	
4	+ 5.0	2		L	
5	+ 0.0	6		L	

ELM 2 SLAVE TC OUT J02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SHIELD	S		L	
2	STC1A	6		L	
3	STC1B	9		L	

ELM 3 SLAVE TC IN J03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SHIELD	S		L	
2	STC1A	6		L	
3	STC1B	9		L	

ELM 4 TC IN/PILOT J04

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SHIELD	S		L	
2	MTC1A	6		L	
3	MTC1B	9		L	

ELM 5 BICODE J05

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SHIELD	S		L	
2	MBCS	4		L	
3	MBCR	9		L	
4	+ 5.0	2		L	
5	+ 0.0	6		L	

GRP 23 1.827.322.00
 <-- <-- <-- CONTINUATION
 =====

ELM 6 MASTER TC OUT P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SHIELD	S		L	
2	MTC1A	6		L	
3	MTC1B	9		L	

ELM 7 MASTER TC IN J06

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SHIELD	S		L	
2	MTC1A	6		L	
3	MTC1B	9		L	

ELM 8 CONN. PARALLEL REMOTE CONTROL J07

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0			B	
2	BR-REM			B	
3	BR-FORM			B	
4	BR-VRSPD			B	
5	SR-VRSPD			B	
6	SR-FADRY			B	
7	BR-LOCST			B	
8	BR-FADRY			B	
9	BR-REC			B	
10	SR-RESET			B	
11	FAD1			B	
12	FAD2			B	
13	IR-REFEX			B	
14	SR-OLOC			B	
15	BR-PLAY			B	
16	BR-STOP			B	
17	SR-LIFT			B	
18	SR-LOCST			B	
19	SR-REC			B	
20	SR-REM			B	
21	SR-FORM			B	
22	SR-PLAY			B	
23	SR-STOP			B	
24	KEY			B	
25	+24.0REM			B	

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 33 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 23 1.827.322.00
 <-- <-- <-- CONTINUATION

ELM 9 LOCAL CONTROL UNIT J08

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 5.0	1	B		
2	+ 5.0	3	B		
3	+ 5.0	5	B		
4	+ 0.0	7	B		
5	+ 0.0	9	B		
6	+ 0.0	1	B		
7	LCU-B	3	B		
8	+ 0.0	5	B		
9	+ 5.0	2	B		
10	+ 5.0	4	B		
11	+ 5.0	6	B		
12	S-ENABLE	8	B		
13		0	B		
14	LCU-A	2	B		
15	SHIELD	4	B		

ELM 10 SERIAL REMOTE J09

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	FRMGND				
2	TRANSA				
3	RECEIVB				
4	RECEIVCM				
5	SPARE				
6	TRANSCM				
7	TRANSB				
8	RECEIVA				
9	FRMGND				

ELM 11 SERIAL REMOTE J10

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	FRMGND				
2	TRANSA				
3	RECEIVB				
4	RECEIVCM				
5	SPARE				
6	TRANSCM				
7	TRANSB				
8	RECEIVA				
9	FRMGND				

GRP 23 1.827.322.00
 <-- <-- <-- CONTINUATION

ELM 12 MASTER TALLIES J11

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0	1	B		
2	M-STOP	3	B		
3	M-MOVE1	5	B		
4	M-PLAY	7	B		
5	+ 0.0	9	B		
6	M-FREC	2	B		
7	M-TPILOT	4	B		
8	M-REC	6	B		
9	M-MOVE2L	8	B		

ELM 13 COMP. VIDEO IN J12

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0	S	L		
2	CVIDEO	9	L		

ELM 14 COMP. VIDEO IN J13

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0	S	L		
2	CVIDEO	9	L		

GRP 23 1.827.322.00
 <-- <-- <-- CONTINUATION

ELM 15 SLAVE CONTROLL B J14

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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24					
25					

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 34 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 24 1.827.850.00
 REMOTE CONTROL CONNECTOR BOARD

ELM 1 FROM GRP27, ELM03 (SYNCHRONIZER) P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	BR-REW				
4	BR-PLAY				
5	BR-FORM				
6	BR-STOP				
7	BR-VRSPD				
8	SR-LIFT				
9					
10	SR-MUTE				
11	SR-REHSL				
12	SR-REC				
13	OR-MVCLK				
14	SR-REW				
15	KEY/CDIR				
16	SR-FORM				
17	BR-REC				
18	SR-PLAY				
19	OR-MVDIR				
20	SR-STOP				
21	OR-CMCLK				
22	SR-RVPS				
23	OR-SYENB				
24	+24.OREM				
25					
26					

GRP 24 1.827.850.00
 <-- <-- <-- CONTINUATION

ELM 2 FROM GRP27, ELM04 (PAR. REMOTE) P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	BR-REW				
4	BR-PLAY				
5	BR-FORM				
6	BR-STOP				
7	BR-VRSPD				
8	SR-LIFT				
9	SR-VRSPD				
10	SR-MUTE				
11	SR-REHSL				
12	SR-REC				
13	OR-MVCLK				
14	SR-REW				
15	KEY/CDIR				
16	SR-FORM				
17	BR-REC				
18	SR-PLAY				
19	OR-MVDIR				
20	SR-STOP				
21	OR-CMCLK				
22	SR-RVPS				
23	OR-SYENB				
24	+24.OREM				
25	IR-REFEX				
26					

ELM 3 FROM GRP 35

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	PNLBUS1			BX	
2	PNLBUS2			BX	
3	OSTABIN			BX	
4	+STABIN4			BX	

GRP 24 1.827.850.00
 <-- <-- <-- CONTINUATION

ELM 4 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	PNLBUS1			B	
2	PNLBUS2			B	
3	OSTABIN			B	
4	OSTABIN			B	
5	OSTABIN			B	
6	+STABIN4			B	
7	+STABIN4			B	
8	+STABIN4			B	

ELM 9 CONNECTOR SYNCHRONIZER CONTROL J01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0			B	
2	BR-REW			B	
3	BR-FORM			B	
4	BR-VRSPD			B	
5	SR-VSSY			B	
6	SR-REHSL			B	
7	OR-MVCLK			B	
8	KEY/CDIR			B	
9	BR-REC			B	
10	OR-MVDIR			B	
11	OR-CMCLK			B	
12	OR-SYENB			B	
13	IR-REFSY			B	
14	+ 0.0			B	
15	BR-PLAY			B	
16	BR-STOP			B	
17	SR-LIFT			B	
18	SR-MUTE			B	
19	SR-REC			B	
20	SR-REW			B	
21	SR-FORM			B	
22	SR-PLAY			B	
23	SR-STOP			B	
24	SR-REVPS			B	
25	+24.OREM			B	

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 35 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 24 1.827.850.00
 <-- <-- <-- CONTINUATION
 =====

ELM 10 CONN. PARALLEL REMOTE CONTROL J03				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	+ 0.0			B
2	BR-REW			B
3	BR-FORM			B
4	BR-VRSPD			B
5	SR-VSPR			B
6	SR-FADRY			B
7	BR-LOCST			B
8	BR-FADRY			B
9	BR-REC			B
10	SR-RESET			B
11	FAD1			B
12	FAD2			B
13	IR-REFPR			B
14	SR-OLOC			B
15	BR-PLAY			B
16	BR-STOP			B
17	SR-LIFT			B
18	SR-LOCST			B
19	SR-REC			B
20	SR-REW			B
21	SR-FORM			B
22	SR-PLAY			B
23	SR-STOP			B
24	KEY			B
25	+24.0REM			B

GRP 24 1.827.850.00
 <-- <-- <-- CONTINUATION
 =====

ELM 11 CONN. AUDIO REMOTE CONTROL J03				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	+ 0.0			B
2	BR-REW			B
3	BR-FORM			B
4	BR-VRSPD			B
5	SR-VSAR			B
6	SR-FADRY			B
7	BR-LOCST			B
8	BR-FADRY			B
9	BR-REC			B
10	SR-RESET			B
11	FAD1			B
12	FAD2			B
13	IR-REFAR			B
14	SR-OLOC			B
15	BR-PLAY			B
16	BR-STOP			B
17	SR-LIFT			B
18	SR-LOCST			B
19	SR-REC			B
20	SR-REW			B
21	SR-FORM			B
22	SR-PLAY			B
23	SR-STOP			B
24	KEY			B
25	+24.0REM			B
26	PNLBUS1			B
27	PNLBUS2			B
28	+STABIN4			B
29	+STABIN4			B
30	+STABIN4			B
31	+STABIN4			B
32	+STABIN4			B
33	OSTABIN			B
34	OSTABIN			B
35	OSTABIN			B
36	OSTABIN			B
37	OSTABIN			B

GRP 24 1.827.850.00
 <-- <-- <-- CONTINUATION
 =====

ELM 12 CONN. AUDIO PARALLEL IF				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	OSTABIN			B
2	OSTABIN			B
3	OSTABIN			B
4	+STABIN4			B
5	+STABIN4			B
6	+STABIN4			B
7	PNLBUS1			B
8	PNLBUS2			B

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 36 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 25 REMOTE CONTROL PANEL
 <-- <-- <-- CONTINUATION
 =====

ELM 1 NRS CONTROL CONN. CH 1 TO 8				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	B-RCD-01			B
2	B-RCD-02			B
3	B-RCD-03			B
4	KEY			B
5	B-RCD-04			B
6	B-RCD-05			B
7				
8				
9				
10	B-RCD-06			B
11	B-RCD-07			B
12	KEY			B
13	B-RCD-08			B
14	+24.0			B
15	+ 0.0			B

GRP 25 <-- <-- <-- CONTINUATION
 =====

ELM 3 NRS CONTROL CONN. CH 17 TO 24				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	B-RCD-17			B
2	B-RCD-18			B
3	B-RCD-19			B
4	KEY			B
5	B-RCD-20			B
6	B-RCD-21			B
7				
8				
9				
10	B-RCD-22			B
11	B-RCD-23			B
12	KEY			B
13	B-RCD-24			B
14	+24.0			B
15	+ 0.0			B

GRP 25 <-- <-- <-- CONTINUATION
 =====

ELM 6 CONNECTOR SMPTE/EBU BUS J04				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	FRMGND			B
2	TRANSA			B
3	RECEIVB			B
4	RECEIVCM			B
5	SPARE			B
6	TRANSCM			B
7	TRANSB			B
8	RECEIVA			B
9	FRMGND			B

GRP 25 <-- <-- <-- CONTINUATION
 =====

ELM 2 NRS CONTROL CONN. CH 9 TO 16				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	B-RCD-09			B
2	B-RCD-10			B
3	B-RCD-11			B
4	KEY			B
5	B-RCD-12			B
6	B-RCD-13			B
7				
8				
9				
10	B-RCD-14			B
11	B-RCD-15			B
12	KEY			B
13	B-RCD-16			B
14	+24.0			B
15	+ 0.0			B

GRP 25 <-- <-- <-- CONTINUATION
 =====

ELM 4				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	FRMGND			B
2	TRANSA			B
3	RECEIVB			B
4	RECEIVCM			B
5	SPARE			B
6	TRANSCM			B
7	TRANSB			B
8	RECEIVA			B
9	FRMGND			B

GRP 25 <-- <-- <-- CONTINUATION
 =====

ELM 7 CONN. AUTOLOCATOR, REMOTE TIMER J01				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	SHIELD			B
2	SR-REC			B
3	TR-A			B
4	KEY			B
5	+ 0.0			B
6	SR-PLAY			B
7	TR-B			B
8	SIGN.GND			B
9	+STABIN4			B

GRP 25 <-- <-- <-- CONTINUATION
 =====

ELM 8				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	FRMGND			B
2	TRANSA			B
3	RECEIVB			B
4	RECEIVCM			B
5	SPARE			B
6	TRANSCM			B
7	TRANSB			B
8	RECEIVA			B
9	FRMGND			B

GRP 25 <-- <-- <-- CONTINUATION
 =====

ELM 8				
PNT	SIGNAL NAME	COLOR	LV	TYPE
1	FRMGND			B
2	TRANSA			B
3	RECEIVB			B
4	RECEIVCM			B
5	SPARE			B
6	TRANSCM			B
7	TRANSB			B
8	RECEIVA			B
9	FRMGND			B

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 37 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 00 *

 ASY 1 TAPE DECK CONTINUATION

GRP 26 1.820.729.00
 SERIAL REMOTE INTERFACE
 =====

GRP 26 1.820.729.00
 <-- <-- <-- CONTINUATION
 =====

GRP 27 1.820.738.00
 PARALLEL REMOTE INTERFACE
 =====

ELM 1
 FROM PAR. REM. IF P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 5.0				
3	+STABIN4				
4	T-RL0				
5	T-RL1				
6	T-SL3				
7	T-A3				
8	T-BD				
9	T-A1				
10	T-A2				
11	T-B3				
12	T-A0				
13	T-B1				
14	T-B2				
15	T-B0				
16	T-SL0				
17	T-SL1				
18	T-RL7				
19	T-RL6				
20	T-OE				
21	T-SL2				
22	T-RL5				
23	T-RL4				
24	T-RESET				
25	T-RL3				
26	T-RL2				

ELM 3
 TO PAR. REM. IF J01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	SR-REC				
3	SR-PLAY				
4					

ELM 1
 TO GRP26, ELM01 (SERIAL REM. IF) P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 5.0				
3	+STABIN4				
4	T-RL0				
5	T-RL1				
6	T-SL3				
7	T-A3				
8	T-BD				
9	T-A1				
10	T-A2				
11	T-B3				
12	T-A0				
13	T-B1				
14	T-B2				
15	T-B0				
16	T-SL0				
17	T-SL1				
18	T-RL7				
19	T-RL6				
20	T-OE				
21	T-SL2				
22	T-RL5				
23	T-RL4				
24	T-RESET				
25	T-RL3				
26	T-RL2				

ELM 2
 TO GRP25, ELM01 (REMOTE PANEL) P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SHIELD				
2	SR-PLAY				
3	SR-REC				
4	TR-B				
5	TR-A				
6	SIGN.GND				
7	KEY				
8	+STABIN4				
9	+ 0.0				
10					

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 38 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 00 *

 ASY 1 TAPE DECK CONTINUATION

GRP 27 1.820.738.00
 <-- <-- <-- CONTINUATION
 =====

GRP 27 1.820.738.00
 <-- <-- <-- CONTINUATION
 =====

GRP 27 1.820.738.00
 <-- <-- <-- CONTINUATION
 =====

ELM 2
 FROM GRP20, ELM16 (BASIS BOARD) P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+STABIN4				
6	+STABIN4				
7	TM-DSL5				
8	TM-ISL5				
9	TM-DRES				
10	TM-IRES				
11	TM-DRW				
12	TM-IRW				
13	TM-DENB				
14	TM-IENB				
15	T-REFEXT				
16	0.0 VCU				
17	TC-TCMV				
18	TC-TCDIR				
19	TM-DADRO				
20	TM-IADRO				
21	TM-REHIR				
22	0.0 VCU				
23	TD-MVCLK				
24	TD-MVDIR				
25	TM-DATA7				
26	0.0 VCU				
27	TM-DATA6				
28	0.0 VCU				
29	TM-DATA5				
30	0.0 VCU				
31	TM-DATA4				
32	0.0 VCU				
33	TM-DATA3				
34	0.0 VCU				
35	TM-DATA2				
36	0.0 VCU				
37	TM-DATA1				
38	0.0 VCU				
39	TM-DATA0				
40	0.0 VCU				

ELM 3
 TO GRP24, ELM01 (SYNCHRONIZER) P03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	BR-REW				
4	BR-PLAY				
5	BR-FORM				
6	BR-STOP				
7	BR-VRSPD				
8	SR-LIFT				
9	SR-VRSPD				
10	SR-LOCST				
11	SR-REHSL				
12	SR-REC				
13	OR-MVCLK				
14	SR-REW				
15	KEY/CDIR				
16	SR-FORM				
17	BR-REC				
18	SR-PLAY				
19	OR-MVDIR				
20	SR-STOP				
21	OR-CMCLK				
22	SR-RVPS				
23	OR-SYENB				
24	+24.0RFM				
25	IR-REFEX				
26					

ELM 4
 TO GRP24, ELM02 (PAR. REMOTE CTL) P03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	SR-OLOC				
3	BR-REW				
4	BR-PLAY				
5	BR-FORM				
6	BR-STOP				
7	BR-VRSPD				
8	SR-LIFT				
9	SR-VRSPD				
10	SR-LOCST				
11	SR-FADRY				
12	SR-REC				
13	BR-LOCST				
14	SR-REW				
15	BR-FADRY				
16	SR-FORM				
17	BR-REC				
18	SR-PLAY				
19	SR-RESET				
20	SR-STOP				
21	FAD1				
22	RES				
23	FAD2				
24	+24.0REM				
25	IR-REFEX				
26					

ELM 5
 GROUND PIN P05

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	GND			Y	

ELM 6
 CONN. AUTOLOC - PARALLEL P06

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	SR-REC				
3	SR-PLAY				
4					

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 39 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 28 1.820.861.00
 TIMER CONTROL BOARD
 =====

ELM 1
 FROM B. BOARD TAPE DECK, ELM 19 P01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 T-SADA
 8 T-SADB
 9 T-SADC
 10 T-READSL
 11 T-WRTSL
 12 T-DT-CH1
 13 T-DT-CH2
 14 T-DT-CH3
 15 T-DT-MP
 16 + 0.0

ELM 2
 TO VU-METER PANEL P02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 T-SADA
 8 T-SADB
 9 T-SADC
 10 T-READSL
 11 T-WRTSL
 12 T-DT-CH1
 13 T-DT-CH2
 14 T-DT-CH3
 15 T-DT-MP
 16 + 0.0

GRP 28 1.820.861.00
 <-- <-- <-- CONTINUATION
 =====

ELM 3
 TO MECHANICAL TIMER P03
 PNT SIGNAL NAME COLOR LV TYPE F
 1 +15.0T 2
 2 + 0.0T 6

GRP 29 1.820.869.00
 POWER FAIL SENSE BOARD
 =====

ELM 1
 FROM SP. M. DRIVE AMPL. RIGHT J01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 -VMOT BX
 2 +VMOT BX

ELM 2
 TO SPOOLING MOTOR RIGHT J02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 -VMOT BX
 2 +VMOT BX

ELM 3
 FROM SP. M. DRIVE AMPL. LEFT J03
 PNT SIGNAL NAME COLOR LV TYPE F
 1 -VMOT BX
 2 +VMOT BX

ELM 4
 TO SPOOLING MOTOR LEFT J04
 PNT SIGNAL NAME COLOR LV TYPE F
 1 -VMOT BX
 2 +VMOT BX

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 29 1.820.869.00
 <-- <-- <-- CONTINUATION
 =====

ELM 5
 FROM GRP20, ELM02 (BASIS B. TD) P01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 PHMPR-L1
 8 PHMPR-L2
 9 PHMPR-H1
 10 PHMPR-H2
 11 PHMPR-L3
 12 PHMPR-L4
 13 AN-ICRD
 14 PHMPR-L5
 15 PHMPR-L6
 16 + 0.0

ELM 6
 TO SPOOLING M. DRIVE AMP. RIGHT P02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 PHMPR-L1
 8 PHMPR-L2
 9 PHMPR-H1
 10 PHMPR-H2
 11 PHMPR-L3
 12 PHMPR-L4
 13 AN-ICRD
 14 PHMPR-L5
 15 PHMPR-L6
 16 + 0.0

GRP 30 1.820.875.00
 SPOOLING MOTOR DRIVE AMPLIFIER RIGHT
 =====

ELM 1
 SUPPLY INPUT J03
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0 BX
 2 OSTABIN BX
 3 + 5.6 BX
 4 +STABIN1 BX

ELM 2
 FROM GRP29, ELM06 P01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 PHMPR-L1
 8 PHMPR-L2
 9 PHMPR-H1
 10 PHMPR-H2
 11 PHMPR-L3
 12 PHMPR-L4
 13 AN-ICRD
 14 PHMPR-L5
 15 PHMPR-L6
 16 + 0.0

ELM 3
 OUTPUT (MOTOR RIGHT) J01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 -VMOT BX
 2 +VMOT BX

ELM 4
 OUTPUT (MOTOR LEFT) J02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 +VMOT BX
 2 -VMOT BX

GRP 31 1.820.873.00
 SWITCHING STABILIZER +15.0 / -15.0
 =====

ELM 1
 FROM DISTRIBUTION BOARD (ELM20) P01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 TD-C76K
 8 TD-PNEN1
 9
 10

ELM 2
 DC OUTPUT (GRP35, ELM53) P02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 -15.0 BX
 2 -15.0 BX
 3 + 0.0 BX
 4 + 0.0 BX
 5 +15.0 BX
 6 +15.0 BX
 7 + 0.0 BX
 8 +24.0NRS BX

ELM 3
 DC INPUT (GRP35, ELM54) P03
 PNT SIGNAL NAME COLOR LV TYPE F
 1 OSTABIN BX
 2 OSTABIN BX
 3 +STABIN2 BX
 4 +STABIN2 BX

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 ***** ASY 1 TAPE DECK <-- <-- <-- CONTINUATION *****

GRP 32 1.820.872.00
 SWITCHING STABILIZER + 5,6

GRP 33 1.020.075.00
 SPOOLING MOTOR DRIVE AMPLIFIER LEFT

GRP 34
 GROUND CONNECTION

ELM 1 FROM DISTRIBUTION BOARD (ELM21) P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	TD-C76K				
8	TD-PHEN2				
9	+0.0SENS				
10	+5.6SENS				

ELM 1 SUPPLY INPUT J03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0			BX	
2	OSTABIN			BX	
3				BX	
4	+STABIN1			BX	

ELM 1 GROUND CONNECTION P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	GND		0	J	

ELM 2 DC OUTPUT (GRP35, ELM55) P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0			BX	
2	+24.0			BX	
3	-26.0			BX	
4	+ 0.0			BX	
5	+26.0			BX	
6				BX	
7	+ 0.0			BX	
8	+ 0.0			BX	
9	+ 5.6			BX	
10	+ 5.6			BX	

ELM 2 FROM GRP20, ELM01 (BASIS B. TD) P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	PHMPL-L1				
8	PHMPL-L2				
9	PHMPL-H1				
10	PHMPL-H2				
11	PHMPL-L3				
12	PHMPL-L4				
13	AN-ICLD				
14	PHMPL-L5				
15	PHMPL-L4				
16	+ 0.0				

ELM 3 DC INPUT (GRP35, ELM56) P03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	OSTABIN			BX	
2	+STABIN3			BX	

ELM 3 OUTPUT (MOTOR RIGHT) J01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-VMOT			BX	
2	+VMOT			BX	

ELM 4 OUTPUT (MOTOR LEFT) J02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+VMOT			BX	
2	-VMOT			BX	

***** STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * PAGE 42 *
 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ***** ASY 1 TAPE DECK <-- <-- <-- CONTINUATION *****

GRP 35 1.827.865.00
 DISTRIBUTION BOARD TAPE DECK

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 1 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	OSTABIN	0		U	
2	OSTABIN	0		U	
3	+ 0.0	0		U	
4	+ 0.0	0		U	
5	+ 0.0	0		U	
6	OSTABIN	0		U	
7	GND	0		L	
8	OSTABIN	0		U	
9	OSTABIN	0		U	
10	+ 0.0	0		U	
11	+ 0.0	0		U	
12	+ 0.0	0		U	
13	OSTABIN	0		U	
14	+ 0.0	0		U	
15	OSTABIN	0		U	
16	OSTABIN	0		U	
17	+ 0.0	0		U	
18	+ 0.0	0		U	
19	OSTABIN	0		U	
20	OSTABIN	0		U	
21	+ 0.0	0		U	
22	+ 0.0	0		U	
23	+ 0.0	0		U	
24	+ 0.0	0		U	
25	+ 0.0	0		U	
26	OSTABIN	0		L	
27	OSTABIN	0		L	
28	OSTABIN	0		L	
29	OSTABIN	0		L	
30	+ 0.0	0		L	
31	OSTABIN	0		L	
32	+ 0.0	0		L	
33	OSTABIN	0		L	
34	OSTABIN	0		L	
35	OSTABIN	0		L	
36	+ 0.0	0		L	
37	+ 0.0	0		L	
38	OSTABIN	0		L	
39	+ 0.0	0		L	
40	+ 0.0	0		L	
41	+ 0.0	0		L	
42	+ 0.0	0		L	
43	+ 0.0	0		L	
44	+ 0.0	0		L	
45	+ 0.0	0		L	
46	+ 0.0	0		L	
47	+ 0.0	0		L	

ELM 1 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
48	+ 0.0				
49	+ 0.0				
50	+ 0.0				
51	+ 0.0				
52	+ 0.0				
53	+ 0.0				
54	GND	0		L	
55	GND	0		L	

ELM 4 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+24.0	7		U	
2	+24.0	7		L	
3	+24.0	7		L	
4	+24.0	7		L	

ELM 2 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	T-PHIRON	5		U	
2	T-PHIRON	5		U	
3	T-PHIRON	5		U	
4	T-PHIRON	5		U	
5	T-PHIRON	5		U	
6	T-PHIRON	5		U	

ELM 5 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+26.0	1		U	
2	+26.0	1		L	
3	+26.0	1		L	
4	+26.0	1		L	

ELM 3 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+STABIN4	2		U	
2	+STABIN4	2		U	
3	+STABIN4	2		U	
4	+STABIN4	2		U	
5	+STABIN4	2		U	
6	+STABIN4	2		U	
7	+STABIN4	2		U	
8	+STABIN4	2		U	
9	+STABIN4	2		U	
10	+STABIN4	2		U	
11	+STABIN4	2		U	
12	+STABIN4	2		U	
13	+STABIN4	2		L	
14	+STABIN4	2		L	

ELM 6 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-26.0	8		U	
2	-26.0	8		L	
3	-26.0	8		L	
4	-26.0	8		L	

ELM 7 WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+STABIN3	2		U	
2	+STABIN3	2		L	
3	+STABIN3	2		L	
4	+STABIN3	2		L	
5	+STABIN3	2		L	
6	+STABIN3	2		L	
7	+STABIN3	2		L	
8	+STABIN3	2		L	

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 43 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 8
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	PNLBUS1	4		U	
2	PNLBUS1	4		U	
3	PNLBUS1	4		U	
4	PNLBUS1	4		U	
5	PNLBUS1				
6	PNLBUS1				

ELM 9
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	PNLBUS2	5		U	
2	PNLBUS2	5		U	
3	PNLBUS2	5		U	
4	PNLBUS2	5		U	
5	PNLBUS2				
6	PNLBUS2				

ELM 10
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+STABIN2	2		U	
2	+STABIN2	2		L	
3	+STABIN2	2		L	
4	+STABIN2	2		L	

ELM 11
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+STABIN1	2		U	
2	+STABIN1	2		L	
3	+STABIN1	2		L	
4	+STABIN1				

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 12
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	TD-PHEN1				
2	TD-PHEN1				

ELM 13
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	TD-PHEN2				
2	TD-PHEN2				

ELM 14
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	TD-C76K	9		U	
2	TD-C76K				
3	TD-C76K				
4	TD-C76K				
5	TD-C76K				
6	TD-C76K				

ELM 15
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+24.ONRS	7		L	
2	+24.ONRS				
3	+24.ONRS				
4	+24.ONRS				
5	+24.ONRS				
6	+24.ONRS				

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 16
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-15.0	6		U	
2	-15.0	6		L	
3	-15.0	6		L	
4	-15.0	6		L	
5	-15.0				
6	-15.0				
7	-15.0				
8	-15.0				
9	-15.0				

ELM 17
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+15.0	2		U	
2	+15.0	2		L	
3	+15.0	2		L	
4	+15.0	2		L	
5	+15.0				
6	+15.0				
7	+15.0				
8	+15.0				
9	+15.0				

ELM 18
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+5.6	3		U	
2	+5.6	3		L	
3	+5.6	3		L	
4	+5.6	3		L	
5	+5.6	3		L	
6	+5.6				
7	+5.6				
8	+5.6				
9	+5.6				
10	+5.6				
11	+5.6				
12	+5.6				

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 44 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 20
TO GRP31, ELM01 P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+0.0				
2	+0.0				
3	+5.6				
4	+5.6				
5	+15.0				
6	-15.0				
7	TD-C76K				
8	TD-PHEN1				
9					
10					

ELM 21
TO GRP32, ELM01 P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+0.0				
2	+0.0				
3	+5.6				
4	+5.6				
5	+15.0				
6	-15.0				
7	TD-C76K				
8	TD-PHEN2				
9					
10					

ELM 25
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	RESERVE1	3		U	
2	RESERVE1				
3	RESERVE1				
4	RESERVE1				

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 26
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	RESERVE2	0		U	
2	RESERVE2				
3	RESERVE2				
4	RESERVE2				

ELM 27
WIRE FIELD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	RESERVE3				
2	RESERVE3				
3	RESERVE3				
4	RESERVE3				

ELM 30
AUDIO RACK CH 1 TO 8 J01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+5.6			BX	
2				BX	
3	+0.0			BX	
4	+0.0			BX	
5	+15.0			BX	
6				BX	
7	-15.0			BX	
8				BX	
9	RESERVE			BX	
10	+24.ONRS			BX	

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 31
AUDIO RACK CH 9 TO 16 J02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+5.6			BX	
2				BX	
3	+0.0			BX	
4	+0.0			BX	
5	+15.0			BX	
6				BX	
7	-15.0			BX	
8				BX	
9	RESERVE			BX	
10	+24.ONRS			BX	

ELM 32
AUDIO RACK CH 17 TO 24 J03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+5.6			BX	
2				BX	
3	+0.0			BX	
4	+0.0			BX	
5	+15.0			BX	
6				BX	
7	-15.0			BX	
8				BX	
9	RESERVE			BX	
10	+24.ONRS			BX	

ELM 33
J04

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+5.6			BX	
2				BX	
3	+0.0			BX	
4	+0.0			BX	
5	+15.0			BX	
6				BX	
7	-15.0			BX	
8				BX	
9	RESERVE			BX	
10	+24.ONRS			BX	

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 45 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 34 J05

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 5.6			BX	
2				BX	
3	+ 0.0			BX	
4	+ 0.0			BX	
5	+15.0			BX	
6				BX	
7	-15.0			BX	
8				BX	
9	RESERVE			BX	
10	+24.ONRS			BX	

ELM 51 CONN. TO REMOTE CTL. CONNECTOR BOARD

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	PNLBUS1	0		L	
2	PNLBUS2	0		L	
3	OSTABIN	0		L	
4	+STABIN4	2		L	

ELM 52 FROM GRP30, ELM01 P03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0	0		AX	
2	OSTABIN	0		AX	
3					
4	+STABIN1	2		AX	

ELM 53 FROM GRP31, ELM02 P04

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-15.0	6		AX	
2	-15.0	6		AX	
3	+ 0.0	0		AX	
4	+ 0.0	0		AX	
5	+15.0	2		AX	
6	+15.0	2		AX	
7	+ 0.0	0		AX	
8	+24.ONRS	7		AX	

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 54 TO GRP31, ELM03 P05

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	OSTABIN	0		AX	
2	OSTABIN	0		AX	
3	+STABIN2	2		AX	
4	+STABIN2	2		AX	

ELM 55 FROM GRP32, ELM02 P06

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0	0		AX	
2	+24.0	7		AX	
3	-26.0	8		AX	
4	+ 0.0	0		AX	
5	+26.0	1		AX	
6					
7	+ 0.0	0		AX	
8	+ 0.0	0		AX	
9	+ 5.6	3		AX	
10	+ 5.6	3		AX	

ELM 56 TO GRP32, ELM03 P07

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	OSTABIN	0		AX	
2	+STABIN3	2		AX	

ELM 57 TO GRP33, ELM01 P08

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0	0		AX	
2	OSTABIN	0		AX	
3					
4	+STABIN1	2		AX	

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 58 FROM ASY07, GRP11, ELM01 P09

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+STABIN1	2		AX	
2	OSTABIN	0		AX	
3	+STABIN2	2		AX	
4	OSTABIN	0		AX	
5	+STABIN3	2		AX	
6	OSTABIN	0		AX	
7	+STABIN4	2		AX	
8	OSTABIN	0		AX	
9	T-PHRON	5		AX	
10					

ELM 59 TO GRP20, ELM70 P10

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 5.6	3		M	
2	+ 5.6	3		M	
3	RESERVE1	3		M	
4	TD-C76K	9		M	
5	+ 0.0	0		M	
6	+ 0.0	0		M	
7	T-PHRON	5		M	
8	+ 0.0	0		M	
9	+ 0.0	0		M	
10	+ 0.0	0		M	
11	+15.0	2		M	
12	-15.0	6		M	
13	+ 0.0	0		M	
14	+ 0.0	0		M	
15	+24.0	7		M	
16	+STABIN4	2		M	
17	+STABIN1	2		M	
18	+STABIN2	2		M	
19	-26.0	8		M	
20	+26.0	1		M	
21	+ 0.0	0		M	
22	RESERVE2	0		M	
23	OSTABIN	0		M	
24	+STABIN3	2		M	

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 46 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 35 1.827.865.00
 <-- <-- <-- CONTINUATION

ELM 60 FROM GRP21, ELM01 P11

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	PNLBUS1	4		N	
2					
3	PNLBUS2	5		N	

ELM 61 TO GRP21, ELM08 P12

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 5.6	3		AX	
2					
3	+ 0.0	0		AX	
4	+ 0.0	0		AX	
5	+15.0	2		AX	
6					
7	-15.0	6		AX	
8					
9	T-PHRON	5		AX	
10	+24.ONRS	7		AX	

ELM 62 TO GRP34, ELM01 J06

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	GND	0		J	

GRP 36 1.820.192.00
 SPOOLING MOTOR ASSEMBLY, LEFT

ELM 1 TACHO SENSOR 1.820.771.00 P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	AN-RES1				
8	TD-TML2				
9	TD-TML1				
10					

ELM 2 FROM GRP33, ELM 03 P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+VMOT	2		AX	
2	-VMOT	0		AX	

GRP 37 1.820.192.00
 SPOOLING MOTOR ASSEMBLY, RIGHT

ELM 1 TACHO SENSOR 1.820.771.00 P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	AN-RES2				
8	TD-TMR2				
9	TD-TMR1				
10					

ELM 2 FROM GRP30, ELM 03 P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+VMOT	2		AX	
2	-VMOT	0		AX	

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 47 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 38 1.021.695.00
 CAPSTAN MOTOR (ELECTRONICS BOARD)
 =====

ELM 1 FROM GRP39, ELM02 J01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	CPHASE-R	2		F	
2	CPHASE-T	9		F	
3	CPHASE-S	0		F	
4	TC-HALL1			F	
5					
6	+15.0			F	
7	TC-HALL2			F	
8	TD-TCM1			F	
9	+5V			F	
10	TC-HALL3			F	
11	TD-TCM2			F	
12	+0.0			F	

ELM 2 1.021.696.00
 TACHO SENSOR UNIT (WIRE FIELD)

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1		3		U	
2		4		U	
3		5		U	
4		6		U	

ELM 3 1.021.697.00
 HALL SENSOR BOARD (WIRE FIELD)

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1		0		U	
2		2		U	
3		3		U	
4		4		U	
5		5		U	
6		6		U	
7		7		U	
8		8		U	

GRP 38 1.021.695.00
 <-- <-- <-- CONTINUATION
 =====

ELM 4 STATOR (WIRE FIELD)

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	CPHASE-R	2		L	
2	CPHASE-S	0		L	
3	CPHASE-T	9		L	

ELM 5 GROUND CONNECTION (WIRE FIELD)

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	GND	0		L	

GRP 39 1.820.774.00
 CAPSTAN MOTOR DRIVE AMPLIFIER
 =====

ELM 1 FROM GRP20, ELM03 (BASIS B. TD) P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+0.0				
2	+0.0				
3	+5.6				
4	+5.6				
5	+15.0				
6	-15.0				
7	AN-CSPDC				
8	TD-TCM1				
9	+0.0				
10	TD-TCM2				
11	T-SPDSL1				
12	T-SPDSL2				
13	TC-CPREF				
14	TC-CAPDC				
15	TD-C76K				
16	+0.0				

ELM 2 TO GRP38, ELM01 (CAPSTAN MOTOR) P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	CPHASE-R			M	
2	CPHASE-T			M	
3	CPHASE-S			M	
4	TC-HALL1			M	
5	-15.0			M	
6	+15.0			M	
7	TC-HALL2			M	
8	TD-TCM1			M	
9	+5V			M	
10	TC-HALL3			M	
11	TD-TCM2			M	
12	+0.0			M	

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 48 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 39 1.820.774.00
 <-- <-- <-- CONTINUATION
 =====

ELM 3 FROM GRP20, ELM71 (BASIS B. TD) P03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	OSTABIN			M	
2					
3					
4					
5					
6	+STABIN3			M	

GRP 40 1.080.230.00
 BRAKE ASSEMBLY, LEFT
 =====

ELM 1 BRAKE SOLENOID

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+24.0	7		M	
2	K-BRAKEL	1		M	
3					

GRP 41 1.080.240.00
 BRAKE ASSEMBLY, RIGHT
 =====

ELM 1 BRAKE SOLENOID

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+24.0	7		M	
2	K-BRAKER	4		M	
3					

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 49 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 42 1.820.772.00
 TAPE TENSION SENSOR, LEFT
 =====

ELM 1 FROM GRP20, ELM12 (BASIS B. TD) P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+0.0				
2	+0.0				
3	+5.6				
4	+5.6				
5	+15.0				
6	-15.0				
7					
8					
9	AN-TTL				
10					

GRP 43 1.820.772.00
 TAPE TENSION SENSOR, RIGHT
 =====

ELM 1 FROM GRP20, ELM13 (BASIS B. TD) P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+0.0				
2	+0.0				
3	+5.6				
4	+5.6				
5	+15.0				
6	-15.0				
7					
8					
9	AN-TTR				
10					

GRP 44 1.820.793.00
 OPTO + EXTENDED SENSORS
 =====

ELM 1 FROM GRP20, ELM06 P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+0.0				
2	+0.0				
3	+5.6				
4	+5.6				
5	+15.0				
6	-15.0				
7	TD-YTRSP				
8	TD-SHLD				
9	TD-TRSP				
10	TD-TRSPR				

ELM 2 OPTO SENSOR -82 ONLY P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	TD-TRSP				
2	+0.0				
3	KEY				
4	+5.6				

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 50 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 45 1.820.770.00
 MOVE SENSOR
 =====
 ELM 1
 FROM GRP20, ELM11 P01

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES3
 8 TD-MOVE2
 9 TD-MOVE1
 10

GRP 46 1.820.773.00
 TAPE LIFTER CONTROL, LEFT
 =====
 ELM 1
 FROM GRP20, ELM07 P01

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +26.0
 6 -26.0
 7
 8
 9
 10
 11 TD-RALP1
 12 TD-RALC2
 13 TD-RALP2
 14 TD-RALC1
 15 TD-RALEN
 16

GRP 47 1.820.773.00
 TAPE LIFTER CONTROL, RIGHT
 =====
 ELM 1
 FROM GRP20, ELM08 (BASIS B. TD) P01

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +26.0
 6 -26.0
 7
 8
 9
 10
 11 TD-RARP1
 12 TD-RARC2
 13 TD-RARP2
 14 TD-RARC1
 15 TD-RAREN
 16

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 51 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 48 1.827.240.00
 PUSHBUTTON ASSEMBLY
 =====
 ELM 1
 FROM GRP50, ELM03 (DISPLAY DRIVER)

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +24.0L
 6 BM-0.2
 7 BM-0.3
 8 BM-0.4
 9 BM-0.5
 10 BM-0.6
 11 BM-0.7
 12 TM-ENO
 13 TM-RL7
 14 TM-RL6
 15 TM-RL5
 16 TM-RL4
 17 TM-RL3
 18 TM-RL2
 19 TM-RL1
 20 TM-CUE1
 21
 22 TM-CUE2
 23
 24 ANM-SH3
 25 ANM-SH2
 26 ANM-SH1

GRP 48 1.827.240.00
 WIRE FIELD
 <-- <-- <-- CONTINUATION
 =====
 ELM 3
 WIRE FIELD

 PNT SIGNAL NAME COLOR LV TYPE F

 1 +24.0L
 2 +24.0L
 3 BM-0.7
 4 BM-0.6
 5 BM-0.5
 6 BM-0.4
 7 BM-0.3
 8 BM-0.2
 9
 10

GRP 50 1.827.768.00
 TAPE DECK DISPLAY DRIVER
 =====
 ELM 1
 FROM GRP20, ELM15 (BASIS B. TD) P01

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +24.0
 6 +24.0
 7 TM-DSL4
 8 TM-ISL4
 9 TM-DRES
 10 TM-IRES
 11 TM-DRW
 12 TM-IRW
 13 TM-DENB
 14 TM-IENB
 15 TM-DADR2
 16 TM-IADR2
 17 TM-DADR1
 18 TM-IADR1
 19 TM-DADR0
 20 TM-IADR0
 21 TM-SHIR
 22 0.0 VCU
 23 TM-KBIR
 24 0.0 VCU
 25 TM-DATA7
 26 0.0 VCU
 27 TM-DATA6
 28 0.0 VCU
 29 TM-DATA5
 30 0.0 VCU
 31 TM-DATA4
 32 0.0 VCU
 33 TM-DATA3
 34 0.0 VCU
 35 TM-DATA2
 36 0.0 VCU
 37 TM-DATA1
 38 0.0 VCU
 39 TM-DATA0
 40 0.0 VCU

ELM 2
 CONNECTOR EDIT ASSEMBLY

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.0
 4 TM-ENO
 5 TM-CUE1
 6 TM-RL1
 7 TM-CUE2
 8 ANM-SH1
 9 ANM-SH3
 10 ANM-SH2

STUDER A827 MCH

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*****
*   STUDER REVOX AG *   L O C A T I O N   P I N   L I S T   * 91/07/18 * 17:15 * PAGE 52 *
*****
*   1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH *   * 91/07/02 - 00 *
*****
ASY 1   TAPE DECK
```

```
GRP 50   1.827.768.00
<-- <-- <-- CONTINUATION
```

ELM 2 CONNECTOR PUSHBUTTON ASSEMBLY P03					
PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5					
6	TM-EN4				
7	TM-EN3				
8	TM-EN2				
9	TM-EN1				
10	TM-RL6				
11	TM-RL7				
12	TM-RL0				
13	TM-RL1				
14	TM-RL2				
15	TM-RL3				
16	TM-RL4				
17	TM-RL5				
18	TM-B				
19	TM-DP				
20	TM-A				
21	TM-C				
22	TM-D				
23	TM-F				
24	TM-E				
25	TM-G				
26	TM-D9				
27	TM-D8				
28	TM-D7				
29	TM-D6				
30	TM-D5				
31	TM-D4				
32	TM-D3				
33	TM-D2				
34	TM-D1				
35	TM-D0				
36	TM-L2				
37	TM-L1				
38	TM-L3				
39	TM-L4				
40	TM-L5				

```
GRP 50   1.827.768.00
<-- <-- <-- CONTINUATION
```

ELM 3 CONNECTOR COMMAND UNIT P02					
PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+24.0L				
6	BM-0.2				
7	BM-0.3				
8	BM-0.4				
9	BM-0.5				
10	BM-0.6				
11	BM-0.7				
12	TM-ENO				
13	TM-RL7				
14	TM-RL6				
15	TM-RL5				
16	TM-RL4				
17	TM-RL3				
18	TM-RL2				
19	TM-RL1				
20	TM-CUE1				
21					
22	TM-CUE2				
23					
24	ANM-SH3				
25	ANM-SH2				
26	ANM-SH1				

```
GRP 50   1.827.768.00
<-- <-- <-- CONTINUATION
```

ELM 4 CONNECTOR LCD DISPLAY UNIT P04					
PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 5.0				
3	TL-CS				
4	TL-ENB				
5	TL-WR				
6	TL-A0				
7	TL-D0				
8	TL-D1				
9	TL-D2				
10	TL-D3				
11	TL-D4				
12	TL-D5				
13	TL-D6				
14	TL-D7				
15	TL-RESET				
16	+ 0.0				

```
*****
*   STUDER REVOX AG *   L O C A T I O N   P I N   L I S T   * 91/07/18 * 17:15 * PAGE 53 *
*****
*   1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH *   * 91/07/02 - 00 *
*****
ASY 1   TAPE DECK
```

```
GRP 51   1.827.750.00
COMMAND UNIT
```

ELM 1 FROM GRP50,ELM02 (DISPLAY DRIVER)					
PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5					
6	TM-EN4				
7	TM-EN3				
8	TM-EN2				
9	TM-EN1				
10	TM-RL6				
11	TM-RL7				
12	TM-RL0				
13	TM-RL1				
14	TM-RL2				
15	TM-RL3				
16	TM-RL4				
17	TM-RL5				
18	TM-B				
19	TM-DP				
20	TM-A				
21	TM-C				
22	TM-D				
23	TM-F				
24	TM-E				
25	TM-G				
26	TM-D9				
27	TM-D8				
28	TM-D7				
29	TM-D6				
30	TM-D5				
31	TM-D4				
32	TM-D3				
33	TM-D2				
34	TM-D1				
35	TM-D0				
36	TM-L2				
37	TM-L1				
38	TM-L3				
39	TM-L4				
40	TM-L5				

```
GRP 52   1.820.239.00
LCD DISPLAY UNIT
```

ELM 1 FROM GRP50, ELM04 (DISPLAY DRIVER)					
PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 5.0				
3	TL-CS				
4	TL-ENB				
5	TL-WR				
6	TL-A0				
7	TL-D0				
8	TL-D1				
9	TL-D2				
10	TL-D3				
11	TL-D4				
12	TL-D5				
13	TL-D6				
14	TL-D7				
15	TL-RESET				
16	+ 0.0				

```
GRP 53   1.820.718.82
COMMUNICATIONS CONTROLLER, FRONT
```

ELM 1 CONNECTOR DATA BACK UP, FRONT P. J01					
PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0	1		B	
2	ATRANS	4		B	
3	ARECEIVB	8		B	
4					
5					
6					
7	ATRANSB	2		B	
8	ARECEIV	3		B	
9					

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 54 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 59 1.820.866.00
 FUSE/SUPPLY FAILURE DETECTOR
 =====

ELM 1 FROM GRP20, ELM14 (BASIS B. TD) P01

 PNT SIGNAL NAME COLOR LV TYPE F

 1 +STABIN3
 2 +STABIN3
 3
 4 +24.0
 5 +STABIN2
 6 T-SUPVON
 7 +STABIN1
 8 +STABIN1
 9 + 5.6
 10 + 5.6
 11 + 0.0
 12 + 0.0
 13 -15.0
 14 +15.0
 15 +26.0
 16 -26.0

GRP 60 1.820.831.00
 PINCH ROLLER GATE
 =====

ELM 1 FROM GR. 20 ELM 08 P01

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +26.0
 6 -26.0
 7
 8
 9
 10
 11 TD-RARP1
 12 TD-RARC2
 13 TD-RARP2
 14 TD-RARC1
 15 TD-RAREN
 16

GRP 60 1.820.831.00
 <-- <-- <-- CONTINUATION
 =====

ELM 3 FROM GR. 20 ELM 10 P03

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES2
 8 TD-TMR2
 9 TD-TMR1
 10

ELM 2 FROM GR. 20 ELM 11 P02

PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES3
 8 TD-MOVE2
 9 TD-MOVE1
 10

ELM 4 FROM GR. 20 ELM 09 P04

PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES1
 8 TD-TML2
 9 TD-TML1
 10

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 55 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 1 TAPE DECK <-- <-- <-- CONTINUATION

GRP 60 1.820.831.00
 <-- <-- <-- CONTINUATION
 =====

ELM 5 TO TAPE LIFT MOTOR, RIGHT P05

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +26.0
 6 -26.0
 7
 8
 9
 10
 11 TD-RARP1
 12 TD-RARC2
 13 TD-RARP2
 14 TD-RARC1
 15 TD-RAREN
 16

GRP 60 1.820.831.00
 <-- <-- <-- CONTINUATION
 =====

ELM 7 TO TACHO SENSOR SP. MOTOR RIGHT P07

 PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES2
 8 TD-TMR2
 9 TD-TMR1
 10

ELM 6 TO MOVE SENSOR P06

PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES3
 8 TD-MOVE2
 9 TD-MOVE1
 10

ELM 8 TO TACHO SENSOR SP. MOTOR LEFT P08

PNT SIGNAL NAME COLOR LV TYPE F

 1 + 0.0
 2 + 0.0
 3 + 5.6
 4 + 5.6
 5 +15.0
 6 -15.0
 7 AN-RES1
 8 TD-TML2
 9 TD-TML1
 10

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 56 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 00 *

 ASY 2 HEAD BLOCK, PREAMPLIFIER, LINE

GRP 1 1.050.152.00
 HEAD BLOCK ASSEMBLY (24 CH)
 =====

ELM 1
 ERASE HEAD, CH 01 TO 08 P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	ERAHH-08				
2	ERAHO-08				
3	ERAHH-07				
4	ERAHH-06				
5	ERAHO-06				
6	ERAHH-05				
7	ERAHH-04				
8	ERAHO-04				
9	ERAHH-03				
10	ERAHH-02				
11	ERAHO-02				
12	ERAHH-01				
13					
14	ERAHL-08				
15	ERAHO-07				
16	ERAHL-07				
17	ERAHL-06				
18	ERAHO-05				
19	ERAHL-05				
20	ERAHL-04				
21	ERAHO-03				
22	ERAHL-03				
23	ERAHL-02				
24	ERAHO-01				
25	ERAHL-01				

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION
 =====

ELM 2
 ERASE HEAD, CH 09 TO 16 P02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	ERAHH-16				
2	ERAHO-16				
3	ERAHH-15				
4	ERAHH-14				
5	ERAHO-14				
6	ERAHH-13				
7	ERAHH-12				
8	ERAHO-12				
9	ERAHH-11				
10	ERAHH-10				
11	ERAHO-10				
12	ERAHH-09				
13					
14	ERAHL-16				
15	ERAHO-15				
16	ERAHL-15				
17	ERAHL-14				
18	ERAHO-13				
19	ERAHL-13				
20	ERAHL-12				
21	ERAHO-11				
22	ERAHL-11				
23	ERAHL-10				
24	ERAHO-09				
25	ERAHL-09				

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION
 =====

ELM 3
 ERASE HEAD, CH 17 TO 24 P03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	ERAHH-24				
2	ERAHO-24				
3	ERAHH-23				
4	ERAHH-22				
5	ERAHO-22				
6	ERAHH-21				
7	ERAHH-20				
8	ERAHO-20				
9	ERAHH-19				
10	ERAHH-18				
11	ERAHO-18				
12	ERAHH-17				
13					
14	ERAHL-24				
15	ERAHO-23				
16	ERAHL-23				
17	ERAHL-22				
18	ERAHO-21				
19	ERAHL-21				
20	ERAHL-20				
21	ERAHO-19				
22	ERAHL-19				
23	ERAHL-18				
24	ERAHO-17				
25	ERAHL-17				

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 57 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 2 HEAD BLOCK, PREAMPLIFIER, LINE

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION
 =====

ELM 4
 RECORD HEAD, CH 01 TO 08 P04

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1					
2					
3					
4	RECHH-00	1		A	
5	RECHH-07	1		A	
6	RECHH-06	1		A	
7	RECHH-05	1		A	
8	RECHH-04	1		A	
9	RECHH-03	1		A	
10	RECHH-02	1		A	
11	RECHH-01	1		A	
12					
13					
14					
15					
16					
17	RECHL-08	0		A	
18	RECHL-07	0		A	
19	RECHL-06	0		A	
20	RECHL-05	0		A	
21	RECHL-04	0		A	
22	RECHL-03	0		A	
23	RECHL-02	0		A	
24	RECHL-01	0		A	
25					

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION
 =====

ELM 5
 RECORD HEAD, CH 09 TO 16 P05

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1					
2					
3					
4	RECHH-10	1		A	
5	RECHH-15	1		A	
6	RECHH-14	1		A	
7	RECHH-13	1		A	
8	RECHH-12	1		A	
9	RECHH-11	1		A	
10	RECHH-10	1		A	
11	RECHH-09	1		A	
12					
13					
14					
15					
16					
17	RECHL-16	0		A	
18	RECHL-15	0		A	
19	RECHL-14	0		A	
20	RECHL-13	0		A	
21	RECHL-12	0		A	
22	RECHL-11	0		A	
23	RECHL-10	0		A	
24	RECHL-09	0		A	
25					

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION
 =====

ELM 6
 RECORD HEAD, CH 17 TO 24 P06

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1					
2					
3					
4	RECHH-24	1		A	
5	RECHH-23	1		A	
6	RECHH-22	1		A	
7	RECHH-21	1		A	
8	RECHH-20	1		A	
9	RECHH-19	1		A	
10	RECHH-18	1		A	
11	RECHH-17	1		A	
12					
13					
14					
15					
16					
17	RECHL-24	0		A	
18	RECHL-23	0		A	
19	RECHL-22	0		A	
20	RECHL-21	0		A	
21	RECHL-20	0		A	
22	RECHL-19	0		A	
23	RECHL-18	0		A	
24	RECHL-17	0		A	
25					

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 58 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 2 HEAD BLOCK, PREAMPLIFIER, LINE <-- <-- <-- CONTINUATION

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION

ELM 7 REPRODUCE HEAD, CH 01 TO 08 P07

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	AN-TLKUC				
2	+ 5.6				
3	+15.0				
4	REPHH-08	1		A	
5	REPHH-07	1		A	
6	REPHH-06	1		A	
7	REPHH-05	1		A	
8	REPHH-04	1		A	
9	REPHH-03	1		A	
10	REPHH-02	1		A	
11	REPHH-01	1		A	
12	Y-CRTALK				
13	AN-TLK01				
14	AN-TLK08				
15	-15.0				
16	+ 0.0				
17	REPHL-08	0		A	
18	REPHL-07	0		A	
19	REPHL-06	0		A	
20	REPHL-05	0		A	
21	REPHL-04	0		A	
22	REPHL-03	0		A	
23	REPHL-02	0		A	
24	REPHL-01	0		A	
25	AN-TLKLC				

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION

ELM 8 REPRODUCE HEAD, CH 09 TO 16 P08

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	AN-TLKUC				
2	+ 5.6				
3	+15.0				
4	REPHH-16	1		A	
5	REPHH-15	1		A	
6	REPHH-14	1		A	
7	REPHH-13	1		A	
8	REPHH-12	1		A	
9	REPHH-11	1		A	
10	REPHH-10	1		A	
11	REPHH-09	1		A	
12	Y-CRTALK				
13	AN-TLK09				
14	AN-TLK16				
15	-15.0				
16	+ 0.0				
17	REPHL-16	0		A	
18	REPHL-15	0		A	
19	REPHL-14	0		A	
20	REPHL-13	0		A	
21	REPHL-12	0		A	
22	REPHL-11	0		A	
23	REPHL-10	0		A	
24	REPHL-09	0		A	
25	AN-TLKLC				

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION

ELM 9 REPRODUCE HEAD, CH 17 TO 24 P09

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	AN-TLKUC				
2	+ 5.6				
3	+15.0				
4	REPHH-24	1		A	
5	REPHH-23	1		A	
6	REPHH-22	1		A	
7	REPHH-21	1		A	
8	REPHH-20	1		A	
9	REPHH-19	1		A	
10	REPHH-18	1		A	
11	REPHH-17	1		A	
12	Y-CRTALK				
13	AN-TLK17				
14	AN-TLK24				
15	-15.0				
16	+ 0.0				
17	REPHL-24	0		A	
18	REPHL-23	0		A	
19	REPHL-22	0		A	
20	REPHL-21	0		A	
21	REPHL-20	0		A	
22	REPHL-19	0		A	
23	REPHL-18	0		A	
24	REPHL-17	0		A	
25	AN-TLKLC				

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 59 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 2 HEAD BLOCK, PREAMPLIFIER, LINE <-- <-- <-- CONTINUATION

GRP 1 1.050.152.00
 <-- <-- <-- CONTINUATION

ELM 10 HEAD BLOCK IDENTIFIER P10

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 5.6				
3	+15.0				
4	T-SADA				
5	T-SADC				
6	T-HRTSL				
7	T-DT-RP2				
8	T-DT-MP				
9					
10					
11					
12					
13	+ 0.0				
14	+ 0.0				
15	+ 5.6				
16	-15.0				
17	T-SADB				
18	T-READSL				
19	T-DT-RP1				
20	T-DT-SJM				
21	T-DT-RES				
22					
23	+ 0.0				
24	+ 0.0				
25	+24.0				

GRP 2 1.820.808.00
 PREAMPLIFIER, CH 01 TO 08

ELM 1 INPUT J01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	AN-TLKUC				
2	+ 5.6				
3	+15.0				
4	REPHH-08				
5	REPHH-07				
6	REPHH-06				
7	REPHH-05				
8	REPHH-04				
9	REPHH-03				
10	REPHH-02				
11	REPHH-01				
12	Y-CRTALK				
13	AN-TLK01				
14	AN-TLK08				
15	-15.0				
16	+ 0.0				
17	REPHL-08				
18	REPHL-07				
19	REPHL-06				
20	REPHL-05				
21	REPHL-04				
22	REPHL-03				
23	REPHL-02				
24	REPHL-01				
25	AN-TLKLC				

GRP 2 1.820.808.00
 <-- <-- <-- CONTINUATION

ELM 2 OUTPUT P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	GND				
2	+ 5.6				
3	+15.0				
4	REPRE-08				
5	REPRE-07				
6	REPRE-06				
7	REPRE-05				
8	REPRE-04				
9	REPRE-03				
10	REPRE-02				
11	REPRE-01				
12	Y-CRTALK				
13	RESERVE				
14	GND				
15	-15.0				
16	+ 0.0				
17	REPRO-08				
18	REPRO-07				
19	REPRO-06				
20	REPRO-05				
21	REPRO-04				
22	REPRO-03				
23	REPRO-02				
24	REPRO-01				
25	RESERVE				

STUDER A827 MCH

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*****
* STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 60 *
*****
* 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
*****
ASY 2 HEAD BLOCK, PREAMPLIFIER, LINE <-- <-- <-- CONTINUATION
```

```
GRP 3 1.820.808.00
PREAMPLIFIER, CH 09 TO 16
=====
```

```
GRP 3 1.820.808.00
<-- <-- <-- CONTINUATION
=====
```

```
GRP 4 1.820.808.00
PREAMPLIFIER, CH 17 TO 24
=====
```

ELM 1				J01
INPUT				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1	AN-TLKUC			
2	+ 5.6			
3	+15.0			
4	REPHH-16			
5	REPHH-15			
6	REPHH-14			
7	REPHH-13			
8	REPHH-12			
9	REPHH-11			
10	REPHH-10			
11	REPHH-09			
12	Y-CRTALK			
13	AN-TLK09			
14	AN-TLK16			
15	-15.0			
16	+ 0.0			
17	REPHL-16			
18	REPHL-15			
19	REPHL-14			
20	REPHL-13			
21	REPHL-12			
22	REPHL-11			
23	REPHL-10			
24	REPHL-09			
25	AN-TLKLC			

ELM 2				P01
OUTPUT				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1	GND			
2	+ 5.6			
3	+15.0			
4	REPRE-16			
5	REPRE-15			
6	REPRE-14			
7	REPRE-13			
8	REPRE-12			
9	REPRE-11			
10	REPRE-10			
11	REPRE-09			
12	Y-CRTALK			
13	RESERVE			
14	GND			
15	-15.0			
16	+ 0.0			
17	REPRO-16			
18	REPRO-15			
19	REPRO-14			
20	REPRO-13			
21	REPRO-12			
22	REPRO-11			
23	REPRO-10			
24	REPRO-09			
25	RESERVE			

ELM 1				J01
INPUT				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1	AN-TLKUC			
2	+ 5.6			
3	+15.0			
4	REPHH-24			
5	REPHH-23			
6	REPHH-22			
7	REPHH-21			
8	REPHH-20			
9	REPHH-19			
10	REPHH-18			
11	REPHH-17			
12	Y-CRTALK			
13	AN-TLK17			
14	AN-TLK24			
15	-15.0			
16	+ 0.0			
17	REPHL-24			
18	REPHL-23			
19	REPHL-22			
20	REPHL-21			
21	REPHL-20			
22	REPHL-19			
23	REPHL-18			
24	REPHL-17			
25	AN-TLKLC			

```
*****
* STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 61 *
*****
* 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
*****
ASY 2 HEAD BLOCK, PREAMPLIFIER, LINE <-- <-- <-- CONTINUATION
```

```
GRP 4 1.820.808.00
<-- <-- <-- CONTINUATION
=====
```

```
GRP 5 GROUND CONNECTION
=====
```

ELM 2				P01
OUTPUT				
PNT	SIGNAL NAME	COLOR	LV TYPE	F
1	GND			
2	+ 5.6			
3	+15.0			
4	REPRE-24			
5	REPRE-23			
6	REPRE-22			
7	REPRE-21			
8	REPRE-20			
9	REPRE-19			
10	REPRE-18			
11	REPRE-17			
12	Y-CRTALK			
13	RESERVE			
14	GND			
15	-15.0			
16	+ 0.0			
17	REPRO-24			
18	REPRO-23			
19	REPRO-22			
20	REPRO-21			
21	REPRO-20			
22	REPRO-19			
23	REPRO-18			
24	REPRO-17			
25	RESERVE			

ELM 1			
PNT	SIGNAL NAME	COLOR	LV TYPE
1	GND	0	L
2	GND	0	L
3	GND	0	L
4	GND		

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 62 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 3 AUDIO ELECTRONICS, CH 01 TO 08

GRP 1 1.827.710.00
 AUDIO ELECTRONICS BOARD CH 1 + CH 2
 =====

ELM 1
 BASIS BOARD CONNECTOR CH1/2 P1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINF A-01				
2B	LOUFA-01				
3A	LINF B-01				
3B	LOUFB-01				
4A	SYCOMO				
4B	A-TAPOU1				
5A	SYCOM1				
5B	A-DRVIN1				
6A	A-VUMTR1				
6B	A-SYNC1				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC1				
10B	A-TONGEN				
11A	A-RECIN1				
11B	C-D0				
12A	L-ULREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR12				
16B	C-D5				
17A	MODSTR12				
17B	C-D6				
18A	WRTSTR12				
18B	C-D7				
19A	+ 0.0VD				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC2				
22B	A-TONGEN				
23A	A-RECIN2				
23B	A-HFIN				
24A	+ 0.0VA				

GRP 1 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

ELM 1
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMTR2				
27B	A-SYNC2				
28A	A-DRVIN2				
28B	SYCOM2				
29A	A-TAPOU2				
29B	SYCOM3				
30A	GND				
30B	GND				
31A	LINF A-02				
31B	LOUFA-02				
32A	LINF B-02				
32B	LOUFB-02				

GRP 1 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

ELM 2
 HEAD BLOCK CABLE CONN. CH1/2 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-02				
2	REPRE-02				
3	RECS-02				
4	ERAHL-02				
5	ERAHH-02				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-01				
10	ERAHH-01				
11	RECS-01				
12	REPRO-01				
13	REPRE-01				
14	REPS-02				
15	RECHL-02				
16	RECHH-02				
17	ERASC-02				
18					
19					
20	+ 5.6				
21					
22	ERASC-01				
23	RECHL-01				
24	RECHH-01				
25	REPS-01				

STUDER A827 MCH

***** STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 63 *
 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ***** AUDIO ELECTRONICS, CH 01 TO 08 ***** <-- <-- <-- CONTINUATION

GRP 2 1.827.710.00 GRP 2 1.827.710.00 GRP 2 1.827.710.00
 AUDIO ELECTRONICS BOARD CH 3 + CH 4 <-- <-- <-- CONTINUATION <-- <-- <-- CONTINUATION

ELM 1 BASIS BOARD CONNECTOR CH3/4 J12

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINF A-03				
2B	LOUFA-03				
3A	LINF B-03				
3B	LOUFB-03				
4A	SYCOM2				
4B	A-TAPOU3				
5A	SYCOM3				
5B	A-DRVIN3				
6A	A-VUMTR3				
6B	A-SYNC3				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC3				
10B	A-TONGEN				
11A	A-RECIN3				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR34				
16B	C-D5				
17A	MODSTR34				
17B	C-D6				
18A	WRTSTR34				
18B	C-D7				
19A	+ 0.0VD				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC4				
22B	A-TONGEN				
23A	A-RECIN4				
23B	A-HFIN				
24A	+ 0.0VA				

ELM 1 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMTR4				
27B	A-SYNC4				
28A	A-DRVIN4				
28B	SYCOM4				
29A	A-TAPOU4				
29B	SYCOM5				
30A	GND				
30B	GND				
31A	LINF A-04				
31B	LOUFA-04				
32A	LINF B-04				
32B	LOUFB-04				

ELM 2 HEAD BLOCK CABLE CONN. CH3/4 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-04				
2	REPRE-04				
3	RECSC-04				
4	ERAHL-04				
5	ERAHH-04				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-03				
10	ERAHH-03				
11	RECSC-03				
12	REPRO-03				
13	REPRE-03				
14	REPSC-04				
15	RECHL-04				
16	RECHH-04				
17	ERASC-04				
18					
19					
20	+ 5.6				
21					
22	ERASC-03				
23	RECHL-03				
24	RECHH-03				
25	REPSC-03				

***** STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 64 *
 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ***** AUDIO ELECTRONICS, CH 01 TO 08 ***** <-- <-- <-- CONTINUATION

GRP 3 1.827.710.00 GRP 3 1.827.710.00 GRP 3 1.827.710.00
 AUDIO ELECTRONICS BOARD CH 5 + CH 6 <-- <-- <-- CONTINUATION <-- <-- <-- CONTINUATION

ELM 1 BASIS BOARD CONNECTOR CH5/6 J13

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINF A-05				
2B	LOUFA-05				
3A	LINF B-05				
3B	LOUFB-05				
4A	SYCOM4				
4B	A-TAPOU5				
5A	SYCOM5				
5B	A-DRVIN5				
6A	A-VUMTR5				
6B	A-SYNC5				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC5				
10B	A-TONGEN				
11A	A-RECIN5				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR D				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR56				
16B	C-D5				
17A	MODSTR56				
17B	C-D6				
18A	WRTSTR56				
18B	C-D7				
19A	+ 0.0VD				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC6				
22B	A-TONGEN				
23A	A-RECIN6				
23B	A-HFIN				
24A	+ 0.0VA				

ELM 1 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMTR6				
27B	A-SYNC6				
28A	A-DRVIN6				
28B	SYCOM6				
29A	A-TAPOU6				
29B	SYCOM7				
30A	GND				
30B	GND				
31A	LINF A-06				
31B	LOUFA-06				
32A	LINF B-06				
32B	LOUFB-06				

ELM 2 HEAD BLOCK CABLE CONN. CH5/6 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-06				
2	REPRE-06				
3	RECSC-06				
4	ERAHL-06				
5	ERAHH-06				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-05				
10	ERAHH-05				
11	RECSC-05				
12	REPRO-05				
13	REPRE-05				
14	REPSC-06				
15	RECHL-06				
16	RECHH-06				
17	ERASC-06				
18					
19					
20	+ 5.6				
21					
22	ERASC-05				
23	RECHL-05				
24	RECHH-05				
25	REPSC-05				

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 3 AUDIO ELECTRONICS, CH 01 TO 08 <-- <-- <-- CONTINUATION

GRP 4 1.827.710.00
 AUDIO ELECTRONICS BOARD CH 7 + CH 8

GRP 4 1.087.710.00
 <-- <-- <-- CONTINUATION

GRP 4 1.027.710.00
 <-- <-- <-- CONTINUATION

ELM 1
 BASIS BOARD CONNECTOR CH7/8 J14

ELM 1
 <-- <-- <-- CONTINUATION

ELM 2
 HEAD BLOCK CABLE CONN. CH7/8 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINF A-07				
2B	LOUFA-07				
3A	LINF B-07				
3B	LOUFB-07				
4A	SYCOM6				
4B	A-TAPOU7				
5A	SYCOM7				
5B	A-DRVIN7				
6A	A-VUMTR7				
6B	A-SYNC7				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC7				
10B	A-TONGEN				
11A	A-RECIN7				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR78				
16B	C-D5				
17A	MODSTR78				
17B	C-D6				
18A	WRTSTR78				
18B	C-D7				
19A	+ 0.0VD				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC8				
22B	A-TONGEN				
23A	A-RECIN8				
23B	A-HFIN				
24A	+ 0.0VA				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMTR8				
27B	A-SYNC8				
28A	A-DRVIN8				
28B	SYCOM8				
29A	A-TAPOU8				
29B	SYCOM9				
30A	GND				
30B	GND				
31A	LINF A-08				
31B	LOUFA-08				
32A	LINF B-08				
32B	LOUFB-08				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-08				
2	REPRE-08				
3	RECSC-08				
4	ERAHL-08				
5	ERAHH-08				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-07				
10	ERAHH-07				
11	RECSC-07				
12	REPRO-07				
13	REPRE-07				
14	REPSC-08				
15	RECHL-08				
16	RECHH-08				
17	ERASC-08				
18					
19					
20	+ 5.6				
21					
22	ERASC-07				
23	RECHL-07				
24	RECHH-07				
25	REPSC-07				

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 ASY 3 AUDIO ELECTRONICS, CH 01 TO 08 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 BASIS BOARD AUDIO CH 1 TO CH 8

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 1
 AUDIO CONTROL CONNECTOR P01

ELM 2
 VU PANEL CONTROL CONNECTOR J01

ELM 5
 SYNC OUTPUT CONN. CH 1-4 J06

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	A-TONGEN				
8	A-DTOUT				
9	A-DTIN				
10	+ 0.0				
11	TA-CLPCD				
12	TA-CLMCD				
13	+ 0.0				
14	T-AOP-CD				
15	T-AON-CD				
16	+ 0.0				
17	T-AIP-CD				
18	T-AIN-CD				
19	+ 0.0				
20	T-RHP-CD				
21	T-RHN-CD				
22	+ 0.0				
23	T-SL-CD				
24	+ 0.0				
25	I-UH-CD				
26	+ 0.0				
27	T-DT1-CD				
28	+ 0.0				
29	T-DT2-CD				
30	+ 0.0				
31	T-DT3-CD				
32	+ 0.0				
33	T-DT4-CD				
34	+ 0.0				
35	T-DT5-CD				
36	+ 0.0				
37	T-DT6-CD				
38	+ 0.0				
39	T-DT7-CD				
40	+ 0.0				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0VD				
2	+ 0.0VD				
3	+ 5.6				
4	+ 5.6				
5	KEY				
6	C-LDSTR2				
7	C-LDSTR1				
8	C-LEDCLK				
9	C-LEDCLK				
10	C-LEDDAT				
11	C-LEDDAT				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	A-SYNC4				
2	A-SYNC3				
3	0-SYNC1				
4	0-SYNC2				
5	0-SYNC3				
6	KEY				
7	0-SYNC4				
8	A-SYNC1				
9	A-SYNC2				

ELM 3
 VU PANEL AUDIO CONNECTOR J03

ELM 6
 SYNC OUTPUT CONN. CH 5-8 J04

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-15.0				
2	-15.0				
3	+ 0.0VA				
4	+ 0.0VA				
5	+15.0				
6	+15.0				
7	KEY				
8	A-VUMTR8				
9	A-VUMTR7				
10	A-VUMTR6				
11	A-VUMTR5				
12	A-VUMTR4				
13	A-VUMTR3				
14	A-VUMTR2				
15	A-VUMTR1				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	A-SYNC8				
2	A-SYNC7				
3	0-SYNC5				
4	0-SYNC6				
5	0-SYNC7				
6	0-SYNC8				
7	KEY				
8	A-SYNC5				
9	A-SYNC6				

ELM 4
 POWER SUPPLY CONNECTOR J02

ELM 7
 SYNC COMPENSATION TO CH 1 J07

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-15.0				
2	+ 0.0VA				
3	+15.0				
4	+24.0				
5	+ 0.0VD				
6	+ 5.6				

ELM 8
 SYNC COMPENSATION TO CH 8 J05

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SYCOM8				
2	SYCOM9				
3	KEY				

STUDER A827 MCH

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 ASY 3 AUDIO ELECTRONICS, CH 01 TO 08 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 9
 SYNC OUTPUT CONN. CH 1-8 D-TYPE

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1					
2					
3	0-SYNC1				
4	0-SYNC2				
5	0-SYNC3				
6	0-SYNC4				
7					
8	0-SYNC5				
9	0-SYNC6				
10	0-SYNC7				
11	0-SYNC8				
12					
13					
14					
15	A-SYNC1				
16	A-SYNC2				
17	A-SYNC3				
18	A-SYNC4				
19					
20					
21	A-SYNC5				
22	A-SYNC6				
23	A-SYNC7				
24	A-SYNC8				
25					

ELM 11
 AUDIO ELECTRONICS CH1/2 J11

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-01				
2B	LOUFA-01				
3A	LINFB-01				
3B	LOUFB-01				
4A	SYCOM0				
4B	A-TAPOU1				
5A	SYCOM1				
5B	A-DRVIN1				
6A	A-VUMTR1				
6B	A-SYCN1				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC1				
10B	A-TONGEN				
11A	A-RECIN1				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR12				
16B	C-D5				
17A	MODSTR12				
17B	C-D6				
18A	WRTSTR12				
18B	C-D7				
19A	+ 0.0VD				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC2				
22B	A-TONGEN				
23A	A-RECIN2				
23B	A-HFIN				
24A	+ 0.0VA				

ELM 11
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMTR2				
27B	A-SYCN2				
28A	A-DRVIN2				
28B	SYCOM2				
29A	A-TAPOU2				
29B	SYCOM3				
30A	GND				
30B	GND				
31A	LINFA-02				
31B	LOUFA-02				
32A	LINFB-02				
32B	LOUFB-02				

* STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 68 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 3 AUDIO ELECTRONICS, CH 01 TO 08 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 12
 AUDIO ELECTRONICS CH3/4 J12

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-03				
2B	LOUFA-03				
3A	LINFB-03				
3B	LOUFB-03				
4A	SYCOM2				
4B	A-TAPOU3				
5A	SYCOM3				
5B	A-DRVIN3				
6A	A-VUMTR3				
6B	A-SYCN3				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC3				
10B	A-TONGEN				
11A	A-RECIN3				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR34				
16B	C-D5				
17A	MODSTR34				
17B	C-D6				
18A	WRTSTR34				
18B	C-D7				
19A	+ 0.0VD				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC4				
22B	A-TONGEN				
23A	A-RECIN4				
23B	A-HFIN				
24A	+ 0.0VA				

ELM 12
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMTR4				
27B	A-SYCN4				
28A	A-DRVIN4				
28B	SYCOM4				
29A	A-TAPOU4				
29B	SYCOM5				
30A	GND				
30B	GND				
31A	LINFA-04				
31B	LOUFA-04				
32A	LINFB-04				
32B	LOUFB-04				

ELM 13
 AUDIO ELECTRONICS CH5/6 J13

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-05				
2B	LOUFA-05				
3A	LINFB-05				
3B	LOUFB-05				
4A	SYCOM4				
4B	A-TAPOU5				
5A	SYCOM5				
5B	A-DRVIN5				
6A	A-VUMTR5				
6B	A-SYCN5				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC5				
10B	A-TONGEN				
11A	A-RECIN5				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR56				
16B	C-D5				
17A	MODSTR56				
17B	C-D6				
18A	WRTSTR56				
18B	C-D7				
19A	+ 0.0VD				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC6				
22B	A-TONGEN				
23A	A-RECIN6				
23B	A-HFIN				
24A	+ 0.0VA				

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 3 AUDIO ELECTRONICS, CH 01 TO 08 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 13 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMTR6				
27B	A-SYNC6				
28A	A-DRVIN6				
28B	SYCOM6				
29A	A-TAPOU6				
29B	SYCOM7				
30A	GND				
30B	GND				
31A	LINFA-06				
31B	LOUFA-06				
32A	LINFB-06				
32B	LOUFB-06				

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 14 AUDIO ELECTRONICS CH7/8 J14

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-07				
2B	LOUFA-07				
3A	LINFB-07				
3B	LOUFB-07				
4A	SYCOM6				
4B	A-TAPOU7				
5A	SYCOM7				
5B	A-DRVIN7				
6A	A-VUMTR7				
6B	A-SYNC7				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC7				
10B	A-TONGEN				
11A	A-RECIN7				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR78				
16B	C-D5				
17A	MODSTR78				
17B	C-D6				
18A	WRTSTR78				
18B	C-D7				
19A	+ 0.0VD				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC8				
22B	A-TONGEN				
23A	A-RECIN8				
23B	A-HFIN				
24A	+ 0.0VA				

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 14 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMTR8				
27B	A-SYNC8				
28A	A-DRVIN8				
28B	SYCOM8				
29A	A-TAPOU8				
29B	SYCOM9				
30A	GND				
30B	GND				
31A	LINFA-08				
31B	LOUFA-08				
32A	LINFB-08				
32B	LOUFB-08				

ELM 21 LINE INPUT, CH 1 XLR J21

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-01				
2	LINA-01				
3	LINB-01				

ELM 22 LINE INPUT, CH 2 XLR J22

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-02				
2	LINA-02				
3	LINB-02				

ELM 23 LINE INPUT, CH 3 XLR J23

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-03				
2	LINA-03				
3	LINB-03				

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * PAGE 70 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 3 AUDIO ELECTRONICS, CH 01 TO 08 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 24 LINE INPUT, CH 4 XLR J24

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-04				
2	LINA-04				
3	LINB-04				

ELM 25 LINE INPUT, CH 5 XLR J25

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-05				
2	LINA-05				
3	LINB-05				

ELM 26 LINE INPUT, CH 6 XLR J26

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-06				
2	LINA-06				
3	LINB-06				

ELM 27 LINE INPUT, CH 7 XLR J27

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-07				
2	LINA-07				
3	LINB-07				

ELM 28 LINE INPUT, CH 8 XLR J28

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-08				
2	LINA-08				
3	LINB-08				

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 31 LINE OUTPUT, CH 1 XLR P21

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-01				
2	LOUTA-01				
3	LOUTB-01				

ELM 32 LINE OUTPUT, CH 2 XLR P22

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-02				
2	LOUTA-02				
3	LOUTB-02				

ELM 33 LINE OUTPUT, CH 3 XLR P23

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-03				
2	LOUTA-03				
3	LOUTB-03				

ELM 34 LINE OUTPUT, CH 4 XLR P24

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-04				
2	LOUTA-04				
3	LOUTB-04				

ELM 35 LINE OUTPUT, CH 5 XLR P25

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-05				
2	LOUTA-05				
3	LOUTB-05				

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 36 LINE OUTPUT, CH 6 XLR P26

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-06				
2	LOUTA-06				
3	LOUTB-06				

ELM 37 LINE OUTPUT, CH 7 XLR P27

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-07				
2	LOUTA-07				
3	LOUTB-07				

ELM 38 LINE OUTPUT, CH 8 XLR P28

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-08				
2	LOUTA-08				
3	LOUTB-08				

STUDER A827 MCH

***** STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 71 *
 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 4 AUDIO ELECTRONICS, CH 09 TO 16

GRP 1 1.827.710.00
 AUDIO ELECTRONICS BOARD CH 9 + CH10
 =====

ELM 1
 BASIS BOARD CONNECTOR CH9/10 P1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-09				
2B	LOUFA-09				
3A	LINF B-09				
3B	LOUFB-09				
4A	SYCOM0				
4B	A-TAPOU1				
5A	SYCOM1				
5B	A-DRVIN1				
6A	A-VUMTR9				
6B	A-SYNC1				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC1				
10B	A-TONGEN				
11A	A-RECIN1				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR12				
16B	C-D5				
17A	MODSTR12				
17B	C-D6				
18A	WRTSTR12				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC2				
22B	A-TONGEN				
23A	A-RECIN2				
23B	A-HFIN				
24A	+ 0.0VA				

GRP 1 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

ELM 1
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR10				
27B	A-SYNC2				
28A	A-DRVIN2				
28B	SYCOM2				
29A	A-TAPOU2				
29B	SYCOM3				
30A	GND				
30B	GND				
31A	LINFA-10				
31B	LOUFA-10				
32A	LINF B-10				
32B	LOUFB-10				

GRP 1 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

ELM 2
 HEAD BLOCK CABLE CONN. CH9/10 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-10				
2	REPRE-10				
3	RECSC-10				
4	ERAHL-10				
5	ERAHH-10				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-09				
10	ERAHH-09				
11	RECSC-09				
12	REPRO-09				
13	REPRE-09				
14	REPSC-10				
15	RECHL-10				
16	RECHH-10				
17	ERASC-10				
18					
19					
20	+ 5.6				
21					
22	ERASC-09				
23	RECHL-09				
24	RECHH-09				
25	REPSC-09				

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 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 4 AUDIO ELECTRONICS, CH 09 TO 16

GRP 2 1.827.710.00
 AUDIO ELECTRONICS BOARD CH11 + CH12
 =====

ELM 1
 BASIS BOARD CONNECTOR CH11/12 J12

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-11				
2B	LOUFA-11				
3A	LINF B-11				
3B	LOUFB-11				
4A	SYCOM2				
4B	A-TAPOU3				
5A	SYCOM3				
5B	A-DRVIN3				
6A	A-VUMR11				
6B	A-SYNC3				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC3				
10B	A-TONGEN				
11A	A-RECIN3				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR34				
16B	C-D5				
17A	MODSTR34				
17B	C-D6				
18A	WRTSTR34				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC4				
22B	A-TONGEN				
23A	A-RECIN4				
23B	A-HFIN				
24A	+ 0.0VA				

GRP 2 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

ELM 1
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR12				
27B	A-SYNC4				
28A	A-DRVIN4				
28B	SYCOM4				
29A	A-TAPOU4				
29B	SYCOM5				
30A	GND				
30B	GND				
31A	LINFA-12				
31B	LOUFA-12				
32A	LINF B-12				
32B	LOUFB-12				

GRP 2 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

ELM 2
 HEAD BLOCK CABLE CONN. CH11/12 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-12				
2	REPRE-12				
3	RECSC-12				
4	ERAHL-12				
5	ERAHH-12				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-11				
10	ERAHH-11				
11	RECSC-11				
12	REPRO-11				
13	REPRE-11				
14	REPSC-12				
15	RECHL-12				
16	RECHH-12				
17	ERASC-12				
18					
19					
20	+ 5.6				
21					
22	ERASC-11				
23	RECHL-11				
24	RECHH-11				
25	REPSC-11				

* STUDER REVOK AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 73 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 * ASY 4 AUDIO ELECTRONICS, CH 09 TO 16 <-- <-- <-- CONTINUATION

GRP 3 1.827.710.00
 AUDIO ELECTRONICS BOARD CH13 + CH14

GRP 3 1.827.710.00
 <-- <-- <-- CONTINUATION

GRP 3 1.827.710.00
 <-- <-- <-- CONTINUATION

ELM 1
 BASIS BOARD CONNECTOR CH13/14 J13

ELM 1
 <-- <-- <-- CONTINUATION

ELM 2
 HEAD BLOCK CABLE CONN. CH13/14 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-13				
2B	LOUFA-13				
3A	LINFB-13				
3B	LOUFB-13				
4A	SYCOM4				
4B	A-TAPOU5				
5A	SYCOM5				
5B	A-DRVIN5				
6A	A-VUMR13				
6B	A-SYNC5				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC5				
10B	A-TONGEN				
11A	A-RECIN5				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR56				
16B	C-D5				
17A	MODSTR56				
17B	C-D6				
18A	WRTSTR56				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC6				
22B	A-TONGEN				
23A	A-RECIN6				
23B	A-HFIN				
24A	+ 0.0VA				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR14				
27B	A-SYNC6				
28A	A-DRVIN6				
28B	SYCOM6				
29A	A-TAPOU6				
29B	SYCOM7				
30A	GND				
30B	GND				
31A	LINFA-14				
31B	LOUFA-14				
32A	LINFB-14				
32B	LOUFB-14				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-14				
2	REPRE-14				
3	RECSC-14				
4	ERAHL-14				
5	ERAHH-14				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-13				
10	ERAHH-13				
11	RECSC-13				
12	REPRO-13				
13	REPRE-13				
14	REPSC-14				
15	RECHL-14				
16	RECHH-14				
17	ERASC-14				
18					
19					
20	+ 5.6				
21					
22	ERASC-13				
23	RECHL-13				
24	RECHH-13				
25	REPSC-13				

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 * ASY 4 AUDIO ELECTRONICS, CH 09 TO 16 <-- <-- <-- CONTINUATION

GRP 4 1.827.710.00
 AUDIO ELECTRONICS BOARD CH15 + CH16

GRP 4 1.827.710.00
 <-- <-- <-- CONTINUATION

GRP 4 1.827.710.00
 <-- <-- <-- CONTINUATION

ELM 1
 BASIS BOARD CONNECTOR CH15/16 J14

ELM 1
 <-- <-- <-- CONTINUATION

ELM 2
 HEAD BLOCK CABLE CONN. CH15/16 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-15				
2B	LOUFA-15				
3A	LINFB-15				
3B	LOUFB-15				
4A	SYCOM6				
4B	A-TAPOU7				
5A	SYCOM7				
5B	A-DRVIN7				
6A	A-VUMR15				
6B	A-SYNC7				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC7				
10B	A-TONGEN				
11A	A-RECIN7				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR78				
16B	C-D5				
17A	MODSTR78				
17B	C-D6				
18A	WRTSTR78				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC8				
22B	A-TONGEN				
23A	A-RECIN8				
23B	A-HFIN				
24A	+ 0.0VA				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR16				
27B	A-SYNC8				
28A	A-DRVIN8				
28B	SYCOM8				
29A	A-TAPOU8				
29B	SYCOM9				
30A	GND				
30B	GND				
31A	LINFA-16				
31B	LOUFA-16				
32A	LINFB-16				
32B	LOUFB-16				

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-16				
2	REPRE-16				
3	RECSC-16				
4	ERAHL-16				
5	ERAHH-16				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-15				
10	ERAHH-15				
11	RECSC-15				
12	REPRO-15				
13	REPRE-15				
14	REPSC-16				
15	RECHL-16				
16	RECHH-16				
17	ERASC-16				
18					
19					
20	+ 5.6				
21					
22	ERASC-15				
23	RECHL-15				
24	RECHH-15				
25	REPSC-15				

STUDER A827 MCH

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 4 AUDIO ELECTRONICS, CH 09 TO 16 <-- <-- <-- CONTINUATION

GRP 5 1.027.700.00 BASIS BOARD AUDIO CH 9 TO CH 16 GRP 5 1.027.700.00 GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION <-- <-- <-- CONTINUATION <-- <-- <-- CONTINUATION

ELM 1

AUDIO CONTROL CONNECTOR		P01
PNT	SIGNAL NAME	COLOR LV TYPE F
1	+ 0.0	
2	+ 0.0	
3	+ 5.6	
4	+ 5.6	
5	+15.0	
6	-15.0	
7	A-TONGEN	
8	A-DTOUT	
9	A-DTIN	
10	+ 0.0	
11	TA-CLPCD	
12	TA-CLMCD	
13	+ 0.0	
14	T-AOP-CD	
15	T-AON-CD	
16	+ 0.0	
17	T-A1P-CD	
18	T-A1N-CD	
19	+ 0.0	
20	T-RMP-CD	
21	T-RMN-CD	
22	+ 0.0	
23	T-SL-CD	
24	+ 0.0	
25	T-DT0-CD	
26	+ 0.0	
27	T-DT1-CD	
28	+ 0.0	
29	T-DT2-CD	
30	+ 0.0	
31	T-DT3-CD	
32	+ 0.0	
33	T-DT4-CD	
34	+ 0.0	
35	T-DT5-CD	
36	+ 0.0	
37	T-DT6-CD	
38	+ 0.0	
39	T-DT7-CD	
40	+ 0.0	

ELM 2

VU PANEL CONTROL CONNECTOR		J01
PNT	SIGNAL NAME	COLOR LV TYPE F
1	+ 0.0VD	
2	+ 0.0VD	
3	+ 5.6	
4	+ 5.6	
5	KEY	
6	C-LDSTR4	
7	C-LDSTR3	
8	C-LEDCLK	
9	C-LEDCLK	
10	C-LEDDAT	
11	C-LEDDAT	

ELM 5

SYNC OUTPUT CONN. CH 9-12		J06
PNT	SIGNAL NAME	COLOR LV TYPE F
1	A-SYNC4	
2	A-SYNC3	
3	0-SYNC1	
4	0-SYNC2	
5	0-SYNC3	
6	KEY	
7	0-SYNC4	
8	A-SYNC1	
9	A-SYNC2	

ELM 3

VU PANEL AUDIO CONNECTOR		J03
PNT	SIGNAL NAME	COLOR LV TYPE F
1	-15.0	
2	-15.0	
3	+ 0.0VA	
4	+ 0.0VA	
5	+15.0	
6	+15.0	
7	KEY	
8	A-VUMR14	
9	A-VUMR15	
10	A-VUMR14	
11	A-VUMR13	
12	A-VUMR12	
13	A-VUMR11	
14	A-VUMR10	
15	A-VUMR9	

ELM 6

SYNC OUTPUT CONN. CH 13-16		J04
PNT	SIGNAL NAME	COLOR LV TYPE F
1	A-SYNC8	
2	A-SYNC7	
3	0-SYNC5	
4	0-SYNC6	
5	0-SYNC7	
6	0-SYNC8	
7	KEY	
8	A-SYNC5	
9	A-SYNC6	

ELM 7

SYNC COMPENSATION TO CH 9		J07
PNT	SIGNAL NAME	COLOR LV TYPE F
1	KEY	
2	SYCOM1	
3	SYCOM0	

ELM 4

POWER SUPPLY CONNECTOR		J02
PNT	SIGNAL NAME	COLOR LV TYPE F
1	-15.0	
2	+ 0.0VA	
3	+15.0	
4	+24.0	
5	+ 0.0VD	
6	+ 5.6	

ELM 8

SYNC COMPENSATION TO CH 16		J05
PNT	SIGNAL NAME	COLOR LV TYPE F
1	SYCOM8	
2	SYCOM9	
3	KEY	

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 ASY 4 AUDIO ELECTRONICS, CH 09 TO 16 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00 GRP 5 1.827.700.00 GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION <-- <-- <-- CONTINUATION <-- <-- <-- CONTINUATION

ELM 9

SYNC OUTPUT CONN. CH 9-16		D-TYPE
PNT	SIGNAL NAME	COLOR LV TYPE F
1		
2		
3	0-SYNC1	
4	0-SYNC2	
5	0-SYNC3	
6	0-SYNC4	
7		
8	0-SYNC5	
9	0-SYNC6	
10	0-SYNC7	
11	0-SYNC8	
12		
13		
14		
15	A-SYNC1	
16	A-SYNC2	
17	A-SYNC3	
18	A-SYNC4	
19		
20		
21	A-SYNC5	
22	A-SYNC6	
23	A-SYNC7	
24	A-SYNC8	
25		

ELM 11

AUDIO ELECTRONICS CH9/10		J11
PNT	SIGNAL NAME	COLOR LV TYPE F
1A	GND	
1B	GND	
2A	LINF A-09	
2B	LOUF A-09	
3A	LINF B-09	
3B	LOUF B-09	
4A	SYCOM0	
4B	A-TAPOU1	
5A	SYCOM1	
5B	A-DRVIN1	
6A	A-VUMTR9	
6B	A-SYNC1	
7A	+ 0.0VA	
7B	+ 0.0VA	
8A	+15.0	
8B	+15.0	
9A	-15.0	
9B	-15.0	
10A	A-SOURC1	
10B	A-TONGEN	
11A	A-RECIN1	
11B	C-D0	
12A	C-OEREC	
12B	C-D1	
13A	MODSTR-B	
13B	C-D2	
14A	MODSTR-A	
14B	C-D3	
15A	DATASTR	
15B	C-D4	
16A	RECSTR12	
16B	C-D5	
17A	MODSTR12	
17B	C-D6	
18A	MRTSTR12	
18B	C-D7	
19A	C-ARES	
19B	+ 0.0VD	
20A	+ 5.6	
20B	+ 5.6	
21A	+24.0	
21B	+24.0	
22A	A-SOURC2	
22B	A-TONGEN	
23A	A-RECIN2	
23B	A-HFIN	
24A	+ 0.0VA	

ELM 11

<-- <-- <-- CONTINUATION		
PNT	SIGNAL NAME	COLOR LV TYPE F
24B	+ 0.0VA	
25A	+15.0	
25B	+15.0	
26A	-15.0	
26B	-15.0	
27A	A-VUMR10	
27B	A-SYNC2	
28A	A-DRVIN2	
28B	SYCOM2	
29A	A-TAPOU2	
29B	SYCOM3	
30A	GND	
30B	GND	
31A	LINF A-10	
31B	LOUF A-10	
32A	LINF B-10	
32B	LOUF B-10	

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 ASY 4 AUDIO ELECTRONICS, CH 09 TO 16 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION
 =====

ELM 12
 AUDIO ELECTRONICS CH11/12 J12

PNT SIGNAL NAME COLOR LV TYPE F

1A	GND			
1B	GND			
2A	LINFA-11			
2B	LOUFA-11			
3A	LINFB-11			
3B	LOUFB-11			
4A	SYCOM2			
4B	A-TAPOU3			
5A	SYCOM3			
5B	A-DRVIN3			
6A	A-VUMR11			
6B	A-SYNC3			
7A	+ 0.0VA			
7B	+ 0.0VA			
8A	+15.0			
8B	+15.0			
9A	-15.0			
9B	-15.0			
10A	A-SOURC3			
10B	A-TONGEN			
11A	A-RECIN3			
11B	C-D0			
12A	C-OEREC			
12B	C-D1			
13A	MODSTR-B			
13B	C-D2			
14A	MODSTR-A			
14B	C-D3			
15A	DATASTR			
15B	C-D4			
16A	RECSTR34			
16B	C-D5			
17A	MODSTR34			
17B	C-D6			
18A	WRTSTR34			
18B	C-D7			
19A	C-ARES			
19B	+ 0.0VD			
20A	+ 5.6			
20B	+ 5.6			
21A	+24.0			
21B	+24.0			
22A	A-SOURC4			
22B	A-TONGEN			
23A	A-RECIN4			
23B	A-HFIN			
24A	+ 0.0VA			

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION
 =====

ELM 12
 <-- <-- <-- CONTINUATION

PNT SIGNAL NAME COLOR LV TYPE F

24B	+ 0.0VA			
25A	+15.0			
25B	+15.0			
26A	-15.0			
26B	-15.0			
27A	A-VUMR12			
27B	A-SYNC4			
28A	A-DRVIN4			
28B	SYCOM4			
29A	A-TAPOU4			
29B	SYCOM5			
30A	GND			
30B	GND			
31A	LINFA-12			
31B	LOUFA-12			
32A	LINFB-12			
32B	LOUFB-12			

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION
 =====

ELM 13
 AUDIO ELECTRONICS CH13/14 J13

PNT SIGNAL NAME COLOR LV TYPE F

1A	GND			
1B	GND			
2A	LINFA-13			
2B	LOUFA-13			
3A	LINFB-13			
3B	LOUFB-13			
4A	SYCOM4			
4B	A-TAPOU5			
5A	SYCOM5			
5B	A-DRVIN5			
6A	A-VUMR13			
6B	A-SYNC5			
7A	+ 0.0VA			
7B	+ 0.0VA			
8A	+15.0			
8B	+15.0			
9A	-15.0			
9B	-15.0			
10A	A-SOURC5			
10B	A-TONGEN			
11A	A-RECIN5			
11B	C-D0			
12A	C-OEREC			
12B	C-D1			
13A	MODSTR-B			
13B	C-D2			
14A	MODSTR-A			
14B	C-D3			
15A	DATASTR			
15B	C-D4			
16A	RECSTR56			
16B	C-D5			
17A	MODSTR56			
17B	C-D6			
18A	WRTSTR56			
18B	C-D7			
19A	C-ARES			
19B	+ 0.0VD			
20A	+ 5.6			
20B	+ 5.6			
21A	+24.0			
21B	+24.0			
22A	A-SOURC6			
22B	A-TONGEN			
23A	A-RECIN6			
23B	A-HFIN			
24A	+ 0.0VA			

STUDER A827 MCH

```
*****
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* 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
*****
ASY 4 AUDIO ELECTRONICS, CH 09 TO 16 <-- <-- <-- CONTINUATION
```

```
GRP 5 1.827.700.00
<-- <-- <-- CONTINUATION
```

```
ELM 13 <-- <-- <-- CONTINUATION
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.OVA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR14				
27B	A-SYNC6				
28A	A-DRVIN6				
28B	SYCOM6				
29A	A-TAPOU6				
29B	SYCOM7				
30A	GND				
30B	GND				
31A	LINF A-14				
31B	LOUFA-14				
32A	LINF B-14				
32B	LOUF B-14				

```
GRP 5 1.827.700.00
<-- <-- <-- CONTINUATION
```

```
ELM 14 AUDIO ELECTRONICS CH15/16 J14
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINF A-15				
2B	LOUFA-15				
3A	LINF B-15				
3B	LOUF B-15				
4A	SYCOM6				
4B	A-TAPOU7				
5A	SYCOM7				
5B	A-DRVIN7				
6A	A-VUMR15				
6B	A-SYNC7				
7A	+ 0.OVA				
7B	+ 0.OVA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC7				
10B	A-TONGEN				
11A	A-RECIN7				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR7B				
16B	C-D5				
17A	MODSTR7B				
17B	C-D6				
18A	WRTSTR7B				
18B	C-D7				
19A	C-ARES				
19B	+ 0.OVD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC8				
22B	A-TONGEN				
23A	A-RECIN8				
23B	A-HFIN				
24A	+ 0.OVA				

```
GRP 5 1.827.700.00
<-- <-- <-- CONTINUATION
```

```
ELM 14 <-- <-- <-- CONTINUATION
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.OVA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR16				
27B	A-SYNC8				
28A	A-DRVIN8				
28B	SYCOM8				
29A	A-TAPOU8				
29B	SYCOM9				
30A	GND				
30B	GND				
31A	LINF A-16				
31B	LOUFA-16				
32A	LINF B-16				
32B	LOUF B-16				

```
ELM 21 LINE INPUT, CH 9 XLR J21
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-01				
2	LINA-01				
3	LINB-01				

```
ELM 22 LINE INPUT, CH 10 XLR J22
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-02				
2	LINA-02				
3	LINB-02				

```
ELM 23 LINE INPUT, CH 11 XLR J23
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-03				
2	LINA-03				
3	LINB-03				

```
*****
* STUDER REVOX AG * L O C A T I O N P I N N L I S T * 91/07/18 * 17:15 * P A G E 79 *
* 1.027.073.00 * A 027 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
*****
ASY 4 AUDIO ELECTRONICS, CH 09 TO 16 <-- <-- <-- CONTINUATION
```

```
GRP 5 1.827.700.00
<-- <-- <-- CONTINUATION
```

```
ELM 24 LINE INPUT, CH 12 XLR J24
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-04				
2	LINA-04				
3	LINB-04				

```
ELM 25 LINE INPUT, CH 13 XLR J25
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-05				
2	LINA-05				
3	LINB-05				

```
ELM 26 LINE INPUT, CH 14 XLR J26
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-06				
2	LINA-06				
3	LINB-06				

```
ELM 27 LINE INPUT, CH 15 XLR J27
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-07				
2	LINA-07				
3	LINB-07				

```
ELM 28 LINE INPUT, CH 16 XLR J28
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-08				
2	LINA-08				
3	LINB-08				

```
GRP 5 1.827.700.00
<-- <-- <-- CONTINUATION
```

```
ELM 31 LINE OUTPUT, CH 9 XLR P21
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-01				
2	LOUTA-01				
3	LOUTB-01				

```
ELM 32 LINE OUTPUT, CH 10 XLR P22
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-02				
2	LOUTA-02				
3	LOUTB-02				

```
ELM 33 LINE OUTPUT, CH 11 XLR P23
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-03				
2	LOUTA-03				
3	LOUTB-03				

```
ELM 34 LINE OUTPUT, CH 12 XLR P24
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-04				
2	LOUTA-04				
3	LOUTB-04				

```
ELM 35 LINE OUTPUT, CH 13 XLR P25
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-05				
2	LOUTA-05				
3	LOUTB-05				

```
GRP 5 1.827.700.00
<-- <-- <-- CONTINUATION
```

```
ELM 36 LINE OUTPUT, CH 14 XLR P26
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-06				
2	LOUTA-06				
3	LOUTB-06				

```
ELM 37 LINE OUTPUT, CH 15 XLR P27
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-07				
2	LOUTA-07				
3	LOUTB-07				

```
ELM 38 LINE OUTPUT, CH 16 XLR P28
```

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LOUTS-08				
2	LOUTA-08				
3	LOUTB-08				

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 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24

GRP 1 1.827.710.00
 AUDIO ELECTRONICS BOARD CH17 + CH18
 =====

GRP 1 1.027.710.00
 <-- <-- <-- CONTINUATION
 =====

GRP 1 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

ELM 1
 BASIS BOARD CONNECTOR CH17/18 P1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-17				
2B	LOUFA-17				
3A	LINFB-17				
3B	LOUFB-17				
4A	SYCOM0				
4B	A-TAPOU1				
5A	SYCOM1				
5B	A-DRVIN1				
6A	A-VUMR17				
6B	A-SYNC1				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC1				
10B	A-TONGEN				
11A	A-RECIN1				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR12				
16B	C-D5				
17A	MODSTR12				
17B	C-D6				
18A	WRTSTR12				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC2				
22B	A-TONGEN				
23A	A-RECIN2				
23B	A-HFIN				
24A	+ 0.0VA				

ELM 1
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR18				
27B	A-SYNC2				
28A	A-DRVIN2				
28B	SYCOM2				
29A	A-TAPOU2				
29B	SYCOM3				
30A	GND				
30B	GND				
31A	LINFA-18				
31B	LOUFA-18				
32A	LINFB-18				
32B	LOUFB-18				

ELM 2
 HEAD BLOCK CABLE CONN. CH17/18 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-18				
2	REPRE-18				
3	RECSC-18				
4	ERAHL-18				
5	ERAHH-18				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-17				
10	ERAHH-17				
11	RECSC-17				
12	REPRO-17				
13	REPRE-17				
14	REPSC-18				
15	RECHL-18				
16	RECHH-18				
17	ERASC-18				
18					
19					
20	+ 5.6				
21					
22	ERASC-17				
23	RECHL-17				
24	RECHH-17				
25	REPSC-17				

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 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24

GRP 2 1.827.710.00
 AUDIO ELECTRONICS BOARD CH19 + CH20
 =====

GRP 2 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

GRP 2 1.827.710.00
 <-- <-- <-- CONTINUATION
 =====

ELM 1
 BASIS BOARD CONNECTOR CH19/20 J12

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-19				
2B	LOUFA-19				
3A	LINFB-19				
3B	LOUFB-19				
4A	SYCOM2				
4B	A-TAPOU3				
5A	SYCOM3				
5B	A-DRVIN3				
6A	A-VUMR19				
6B	A-SYNC3				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC3				
10B	A-TONGEN				
11A	A-RECIN3				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR34				
16B	C-D5				
17A	MODSTR34				
17B	C-D6				
18A	WRTSTR34				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC4				
22B	A-TONGEN				
23A	A-RECIN4				
23B	A-HFIN				
24A	+ 0.0VA				

ELM 1
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR20				
27B	A-SYNC4				
28A	A-DRVIN4				
28B	SYCOM4				
29A	A-TAPOU4				
29B	SYCOM5				
30A	GND				
30B	GND				
31A	LINFA-20				
31B	LOUFA-20				
32A	LINFB-20				
32B	LOUFB-20				

ELM 2
 HEAD BLOCK CABLE CONN. CH19/20 J1

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	REPRO-20				
2	REPRE-20				
3	RECSC-20				
4	ERAHL-20				
5	ERAHH-20				
6	-15.0				
7	+ 0.0VA				
8	+15.0				
9	ERAHL-19				
10	ERAHH-19				
11	RECSC-19				
12	REPRO-19				
13	REPRE-19				
14	REPSC-20				
15	RECHL-20				
16	RECHH-20				
17	ERASC-20				
18					
19					
20	+ 5.6				
21					
22	ERASC-19				
23	RECHL-19				
24	RECHH-19				
25	REPSC-19				

STUDER A827 MCH

* STUDER REVEX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 82 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24 <-- <-- <-- CONTINUATION

GRP 3 1.827.710.00 GRP 3 1.027.710.00 GRP 5 1.827.710.00
 AUDIO ELECTRONICS BOARD CH21 + CH22 <-- <-- <-- CONTINUATION <-- <-- <-- CONTINUATION

ELM 1
 BASIS BOARD CONNECTOR CH21/22 J13
 PNT SIGNAL NAME COLOR LV TYPE F

1A	GND			
1B	GND			
2A	LINF A-21			
2B	LOUFA-21			
3A	LINF B-21			
3B	LOUFB-21			
4A	SYCOM4			
4B	A-TAPOU5			
5A	SYCOM5			
5B	A-DRVIN5			
6A	A-VUMR21			
6B	A-SYNC5			
7A	+ 0.0VA			
7B	+ 0.0VA			
8A	+15.0			
8B	+15.0			
9A	-15.0			
9B	-15.0			
10A	A-SOURC5			
10B	A-TONGEN			
11A	A-RECIIN5			
11B	C-D0			
12A	C-OEREC			
12B	C-D1			
13A	MODSTR-B			
13B	C-D2			
14A	MODSTR-A			
14B	C-D3			
15A	DATASTR			
15B	C-D4			
16A	RECSTR56			
16B	C-D5			
17A	MODSTR56			
17B	C-D6			
18A	WRTSTR56			
18B	C-D7			
19A	C-ARES			
19B	+ 0.0VD			
20A	+ 5.6			
20B	+ 5.6			
21A	+24.0			
21B	+24.0			
22A	A-SOURC6			
22B	A-TONGEN			
23A	A-RECIIN6			
23B	A-HFIN			
24A	+ 0.0VA			

ELM 1
 <-- <-- <-- CONTINUATION
 PNT SIGNAL NAME COLOR LV TYPE F

24B	+ 0.0VA			
25A	+15.0			
25B	+15.0			
26A	-15.0			
26B	-15.0			
27A	A-VUMR22			
27B	A-SYNC6			
28A	A-DRVIN6			
28B	SYCOM6			
29A	A-TAPOU6			
29B	SYCOM7			
30A	GND			
30B	GND			
31A	LINF A-22			
31B	LOUFA-22			
32A	LINF B-22			
32B	LOUFB-22			

ELM 2
 HEAD BLOCK CABLE CONN. CH21/22 J1
 PNT SIGNAL NAME COLOR LV TYPE F

1	REPRO-22			
2	REPRE-22			
3	RECSC-22			
4	ERAHL-22			
5	ERAHH-22			
6	-15.0			
7	+ 0.0VA			
8	+15.0			
9	ERAHL-21			
10	ERAHH-21			
11	RECSC-21			
12	REPRO-21			
13	REPRE-21			
14	REPSC-22			
15	RECHL-22			
16	RECHH-22			
17	ERASC-22			
18				
19				
20	+ 5.6			
21				
22	ERASC-21			
23	RECHL-21			
24	RECHH-21			
25	REPSC-21			

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 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24 <-- <-- <-- CONTINUATION

GRP 4 1.827.710.00 GRP 4 1.827.710.00 GRP 4 1.827.710.00
 AUDIO ELECTRONICS BOARD CH23 + CH24 <-- <-- <-- CONTINUATION <-- <-- <-- CONTINUATION

ELM 1
 BASIS BOARD CONNECTOR CH23/24 J14
 PNT SIGNAL NAME COLOR LV TYPE F

1A	GND			
1B	GND			
2A	LINF A-23			
2B	LOUFA-23			
3A	LINF B-23			
3B	LOUFB-23			
4A	SYCOM6			
4B	A-TAPOU7			
5A	SYCOM7			
5B	A-DRVIN7			
6A	A-VUMR23			
6B	A-SYNC7			
7A	+ 0.0VA			
7B	+ 0.0VA			
8A	+15.0			
8B	+15.0			
9A	-15.0			
9B	-15.0			
10A	A-SOURC7			
10B	A-TONGEN			
11A	A-RECIIN7			
11B	C-D0			
12A	C-OEREC			
12B	C-D1			
13A	MODSTR-B			
13B	C-D2			
14A	MODSTR-A			
14B	C-D3			
15A	DATASTR			
15B	C-D4			
16A	RECSTR78			
16B	C-D5			
17A	MODSTR78			
17B	C-D6			
18A	WRTSTR78			
18B	C-D7			
19A	C-ARES			
19B	+ 0.0VD			
20A	+ 5.6			
20B	+ 5.6			
21A	+24.0			
21B	+24.0			
22A	A-SOURC8			
22B	A-TONGEN			
23A	A-RECIIN8			
23B	A-HFIN			
24A	+ 0.0VA			

ELM 1
 <-- <-- <-- CONTINUATION
 PNT SIGNAL NAME COLOR LV TYPE F

24B	+ 0.0VA			
25A	+15.0			
25B	+15.0			
26A	-15.0			
26B	-15.0			
27A	A-VUMR24			
27B	A-SYNC8			
28A	A-DRVIN8			
28B	SYCOM8			
29A	A-TAPOU8			
29B	SYCOM9			
30A	GND			
30B	GND			
31A	LINF A-24			
31B	LOUFA-24			
32A	LINF B-24			
32B	LOUFB-24			

ELM 2
 HEAD BLOCK CABLE CONN. CH23/24 J1
 PNT SIGNAL NAME COLOR LV TYPE F

1	REPRO-24			
2	REPRE-24			
3	RECSC-24			
4	ERAHL-24			
5	ERAHH-24			
6	-15.0			
7	+ 0.0VA			
8	+15.0			
9	ERAHL-23			
10	ERAHH-23			
11	RECSC-23			
12	REPRO-23			
13	REPRE-23			
14	REPSC-24			
15	RECHL-24			
16	RECHH-24			
17	ERASC-24			
18				
19				
20	+ 5.6			
21				
22	ERASC-23			
23	RECHL-23			
24	RECHH-23			
25	REPSC-23			

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 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 BASIS BOARD AUDIO CH 17 TO CH 24
 <-- <-- <-- CONTINUATION

GRP 5 1.027.700.00
 <-- <-- <-- CONTINUATION

GRP 5 1.027.700.00
 <-- <-- <-- CONTINUATION

ELM 1
 AUDIO CONTROL CONNECTOR P01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0				
2	+ 0.0				
3	+ 5.6				
4	+ 5.6				
5	+15.0				
6	-15.0				
7	A-TONGEN				
8	A-DTOUT				
9	A-DTIN				
10	+ 0.0				
11	TA-CLPCD				
12	TA-CLMCD				
13	+ 0.0				
14	T-AOP-CD				
15	T-AON-CD				
16	+ 0.0				
17	T-A1P-CD				
18	T-A1N-CD				
19	+ 0.0				
20	T-RMP-CD				
21	T-RMN-CD				
22	+ 0.0				
23	T-SL-CD				
24	+ 0.0				
25	T-DT0-CD				
26	+ 0.0				
27	T-DT1-CD				
28	+ 0.0				
29	T-DT2-CD				
30	+ 0.0				
31	T-DT3-CD				
32	+ 0.0				
33	T-DT4-CD				
34	+ 0.0				
35	T-DT5-CD				
36	+ 0.0				
37	T-DT6-CD				
38	+ 0.0				
39	T-DT7-CD				
40	+ 0.0				

ELM 2
 VU PANEL CONTROL CONNECTOR J01

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	+ 0.0VD				
2	+ 0.0VD				
3	+ 5.6				
4	+ 5.6				
5	KEY				
6	C-LDSTR6				
7	C-LDSTR5				
8	C-LEDCLK				
9	C-LEDCLK				
10	C-LEDDAT				
11	C-LEDDAT				

ELM 5
 SYNC OUTPUT CONN. CH 17-20 J06

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	A-SYNC4				
2	A-SYNC3				
3	0-SYNC1				
4	0-SYNC2				
5	0-SYNC3				
6	KEY				
7	0-SYNC4				
8	A-SYNC1				
9	A-SYNC2				

ELM 3
 VU PANEL AUDIO CONNECTOR J03

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-15.0				
2	-15.0				
3	+ 0.0VA				
4	+ 0.0VA				
5	+15.0				
6	+15.0				
7	KEY				
8	A-VUMR24				
9	A-VUMR23				
10	A-VUMR22				
11	A-VUMR21				
12	A-VUMR20				
13	A-VUMR19				
14	A-VUMR18				
15	A-VUMR17				

ELM 6
 SYNC OUTPUT CONN. CH 21-24 J04

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	A-SYNC8				
2	A-SYNC7				
3	0-SYNC5				
4	0-SYNC6				
5	0-SYNC7				
6	0-SYNC8				
7	KEY				
8	A-SYNC5				
9	A-SYNC6				

ELM 4
 POWER SUPPLY CONNECTOR J02

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	-15.0				
2	+ 0.0VA				
3	+15.0				
4	+24.0				
5	+ 0.0VD				
6	+ 5.6				

ELM 7
 SYNC COMPENSATION TO CH 17 J07

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	KEY				
2	SYCOM1				
3	SYCOM0				

ELM 8
 SYNC COMPENSATION TO CH 24 J05

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	SYCOM8				
2	SYCOM9				
3	KEY				

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 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 9
 SYNC OUTPUT CONN. CH 17-24 D-TYPE

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1					
2					
3	0-SYNC1				
4	0-SYNC2				
5	0-SYNC3				
6	0-SYNC4				
7					
8	0-SYNC5				
9	0-SYNC6				
10	0-SYNC7				
11	0-SYNC8				
12					
13					
14					
15	A-SYNC1				
16	A-SYNC2				
17	A-SYNC3				
18	A-SYNC4				
19					
20					
21	A-SYNC5				
22	A-SYNC6				
23	A-SYNC7				
24	A-SYNC8				
25					

ELM 11
 AUDIO ELECTRONICS CH17/18 J11

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINF A-17				
2B	LOUFA-17				
3A	LINF B-17				
3B	LOUFB-17				
4A	SYCOM0				
4B	A-TAPOU1				
5A	SYCOM1				
5B	A-DRVIN1				
6A	A-VUMR17				
6B	A-SYNC1				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC1				
10B	A-TONGEN				
11A	A-RECIN1				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-D				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR12				
16B	C-D5				
17A	MODSTR12				
17B	C-D6				
18A	HRTSTR12				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC2				
22B	A-TONGEN				
23A	A-RECIN2				
23B	A-HFIN				
24A	+ 0.0VA				

ELM 11
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR18				
27B	A-SYNC2				
28A	A-DRVIN2				
28B	SYCOM2				
29A	A-TAPOU2				
29B	SYCOM3				
30A	GND				
30B	GND				
31A	LINF A-18				
31B	LOUFA-18				
32A	LINF B-18				
32B	LOUFB-18				

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 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 12
 AUDIO ELECTRONICS CH19/20 J12

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-19				
2B	LOUFA-19				
3A	LINFB-19				
3B	LOUFB-19				
4A	SYCOM2				
4B	A-TAPOU3				
5A	SYCOM3				
5B	A-DRVIN3				
6A	A-VUMR19				
6B	A-SYNC3				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC3				
10B	A-TONGEN				
11A	A-RECIN3				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR34				
16B	C-D5				
17A	MODSTR34				
17B	C-D6				
18A	HRTSTR34				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC4				
22B	A-TONGEN				
23A	A-RECIN4				
23B	A-HFIN				
24A	+ 0.0VA				

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 12
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR20				
27B	A-SYNC4				
28A	A-DRVIN4				
28B	SYCOM4				
29A	A-TAPOU4				
29B	SYCOM5				
30A	GND				
30B	GND				
31A	LINFA-20				
31B	LOUFA-20				
32A	LINFB-20				
32B	LOUFB-20				

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 13
 AUDIO ELECTRONICS CH21/22 J13

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-21				
2B	LOUFA-21				
3A	LINFB-21				
3B	LOUFB-21				
4A	SYCOM4				
4B	A-TAPOU5				
5A	SYCOM5				
5B	A-DRVIN5				
6A	A-VUMR21				
6B	A-SYNC5				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC5				
10B	A-TONGEN				
11A	A-RECIN5				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR56				
16B	C-D5				
17A	MODSTR56				
17B	C-D6				
18A	HRTSTR56				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC6				
22B	A-TONGEN				
23A	A-RECIN6				
23B	A-HFIN				
24A	+ 0.0VA				

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 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 13
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR22				
27B	A-SYNC6				
28A	A-DRVIN6				
28B	SYCOM6				
29A	A-TAPOU6				
29B	SYCOM7				
30A	GND				
30B	GND				
31A	LINFA-22				
31B	LOUFA-22				
32A	LINFB-22				
32B	LOUFB-22				

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 14
 AUDIO ELECTRONICS CH23/24 J14

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1A	GND				
1B	GND				
2A	LINFA-23				
2B	LOUFA-23				
3A	LINFB-23				
3B	LOUFB-23				
4A	SYCOM6				
4B	A-TAPOU7				
5A	SYCOM7				
5B	A-DRVIN7				
6A	A-VUMR23				
6B	A-SYNC7				
7A	+ 0.0VA				
7B	+ 0.0VA				
8A	+15.0				
8B	+15.0				
9A	-15.0				
9B	-15.0				
10A	A-SOURC7				
10B	A-TONGEN				
11A	A-RECIN7				
11B	C-D0				
12A	C-OEREC				
12B	C-D1				
13A	MODSTR-B				
13B	C-D2				
14A	MODSTR-A				
14B	C-D3				
15A	DATASTR				
15B	C-D4				
16A	RECSTR78				
16B	C-D5				
17A	MODSTR78				
17B	C-D6				
18A	HRTSTR78				
18B	C-D7				
19A	C-ARES				
19B	+ 0.0VD				
20A	+ 5.6				
20B	+ 5.6				
21A	+24.0				
21B	+24.0				
22A	A-SOURC8				
22B	A-TONGEN				
23A	A-RECIN8				
23B	A-HFIN				
24A	+ 0.0VA				

GRP 5 1.827.700.00
 <-- <-- <-- CONTINUATION

ELM 14
 <-- <-- <-- CONTINUATION

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
24B	+ 0.0VA				
25A	+15.0				
25B	+15.0				
26A	-15.0				
26B	-15.0				
27A	A-VUMR24				
27B	A-SYNC8				
28A	A-DRVIN8				
28B	SYCOM8				
29A	A-TAPOU8				
29B	SYCOM9				
30A	GND				
30B	GND				
31A	LINFA-24				
31B	LOUFA-24				
32A	LINFB-24				
32B	LOUFB-24				

ELM 21
 LINE INPUT, CH 17 XLR J21

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-01				
2	LINA-01				
3	LINB-01				

ELM 22
 LINE INPUT, CH 18 XLR J22

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-02				
2	LINA-02				
3	LINB-02				

ELM 23
 LINE INPUT, CH 19 XLR J23

PNT	SIGNAL NAME	COLOR	LV	TYPE	F
1	LINS-03				
2	LINA-03				
3	LINB-03				

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 ASY 5 AUDIO ELECTRONICS, CH 17 TO 24 <-- <-- <-- CONTINUATION

GRP 5 1.827.700.00 <-- <-- <-- CONTINUATION
 =====

ELM 24 LINE INPUT, CH 20 XLR J24
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LINS-04
 2 LINA-04
 3 LINB-04

ELM 25 LINE INPUT, CH 21 XLR J25
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LINS-05
 2 LINA-05
 3 LINB-05

ELM 26 LINE INPUT, CH 22 XLR J26
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LINS-06
 2 LINA-06
 3 LINB-06

ELM 27 LINE INPUT, CH 23 XLR J27
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LINS-07
 2 LINA-07
 3 LINB-07

ELM 28 LINE INPUT, CH 24 XLR J28
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LINS-08
 2 LINA-08
 3 LINB-08

GRP 5 1.827.700.00 <-- <-- <-- CONTINUATION
 =====

ELM 31 LINE OUTPUT, CH 17 XLR P21
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LOUITS-01
 2 LOUTA-01
 3 LOUITS-01

ELM 32 LINE OUTPUT, CH 18 XLR P22
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LOUITS-02
 2 LOUTA-02
 3 LOUITS-02

ELM 33 LINE OUTPUT, CH 19 XLR P23
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LOUITS-03
 2 LOUTA-03
 3 LOUITS-03

ELM 34 LINE OUTPUT, CH 20 XLR P24
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LOUITS-04
 2 LOUTA-04
 3 LOUITS-04

ELM 35 LINE OUTPUT, CH 21 XLR P25
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LOUITS-05
 2 LOUTA-05
 3 LOUITS-05

GRP 5 1.827.700.00 <-- <-- <-- CONTINUATION
 =====

ELM 36 LINE OUTPUT, CH 22 XLR P26
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LOUITS-06
 2 LOUTA-06
 3 LOUITS-06

ELM 37 LINE OUTPUT, CH 23 XLR P27
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LOUITS-07
 2 LOUTA-07
 3 LOUITS-07

ELM 38 LINE OUTPUT, CH 24 XLR P28
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LOUITS-08
 2 LOUTA-08
 3 LOUITS-08

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 ASY 7 1.820.353.00 POWER SUPPLY, MCH

GRP 1 POWER INPUT / OUTPUT
 =====

ELM 1 POWER INPUT 54.42.0026 P01
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LINE1 1 J
 2 LINE2 6 J
 3 GND 5-4 J

ELM 2 POWER OUTPUT 54.42.0200 J01
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LINE1-S 1 J
 2 LINE2-S 6 J
 3 GND 5-4 J

GRP 2 55.17.5003 POWER SWITCH / PHILBERT
 =====

ELM 1 55.12.0001 PHILBERT SWITCH (3) S01
 PNT SIGNAL NAME COLOR LV TYPE F

 1 J
 2 PH-05 J
 3 PH-03 J
 4 J

ELM 2 55.12.0001 PHILBERT SWITCH (5) S02
 PNT SIGNAL NAME COLOR LV TYPE F

 1 J
 2 PH-10 J
 3 PH-09 J
 4 J

ELM 3 55.12.0001 PHILBERT SWITCH (2) S03
 PNT SIGNAL NAME COLOR LV TYPE F

 1 PH-12 J
 2 PH-08 J
 3 PH-07 J
 4 PH-11 J

ELM 4 55.12.0001 PHILBERT SWITCH (4) S04
 PNT SIGNAL NAME COLOR LV TYPE F

 1 J
 2 PH-14 J
 3 PH-13 J
 4 J

GRP 2 55.17.5003 <-- <-- <-- CONTINUATION
 =====

ELM 5 55.12.0001 PHILBERT SWITCH (1) S05
 PNT SIGNAL NAME COLOR LV TYPE F

 1 PH-06 J
 2 PH-02 J
 3 PH-01 J
 4 PH-04 J

ELM 6 50.17.5003 MAIN SWITCH S06
 PNT SIGNAL NAME COLOR LV TYPE F

 1 LINE1 1 J
 2 LINE1-S 1 J
 3 LINE2 6 J
 4 LINE2-S 6 J

ELM 7 CONTROL LAMP B01
 PNT SIGNAL NAME COLOR LV TYPE F

 1 5 X
 2 5 X

STUDER A827 MCH

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 ASY 7 1.820.353.00 POWER SUPPLY, MCH <-- <-- <-- CONTINUATION

GRP 3 1.820.830.00
 SOFT START UNIT

ELM 1 50.25.0003
 LINE INPUT P01
 PNT SIGNAL NAME COLOR LV TYPE F
 1 LINE1-S
 2 RESERVE
 3 LINE2-S

ELM 2 50.25.0003
 LINE AUXILIARY P02
 PNT SIGNAL NAME COLOR LV TYPE F
 1 LINE1-S
 2 RESERVE
 3 LINE2-S

ELM 3 50.25.0003
 LINE OUTPUT P03
 PNT SIGNAL NAME COLOR LV TYPE F
 1 LINE1-S
 2 RESERVE
 3 LINE2-S

ELM 4 54.14.2001
 TO POWER FAIL CONTROL CONNECTOR P04
 PNT SIGNAL NAME COLOR LV TYPE F
 1 OSTABIN
 2 OSTABIN
 3
 4
 5
 6
 7
 8
 9 T-PHRON
 10

GRP 3 1.820.830.00
 <-- <-- <-- CONTINUATION

ELM 5 54.25.0308
 AC CONTROL CONNECTOR P05
 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN 2 BX
 2 OSTABIN 0 BX
 3
 4
 5 T-PHRON 5 BX
 6
 7 +STABIN1 2 BX
 8 +STABIN1 2 BX

GRP 4 1.862.625.00
 MAIN TRANSFORMER

ELM 1 PRIMARY DISTRIBUTOR
 PNT SIGNAL NAME COLOR LV TYPE F
 1A AC-01
 1B PH-01
 1C
 1D AC-01
 2A
 2B
 3A AC-02
 3B PH-02
 3C PH-03
 3D AC-02
 4A AC-03
 4B PH-04
 4C PH-05
 4D AC-03
 5A
 5B
 6A AC-04
 6B PH-06
 6C PH-07
 6D AC-04
 7A AC-05
 7B PH-08
 7C PH-09
 7D AC-05
 8A AC-06
 8B PH-10
 8C PH-11
 8D AC-06
 9A AC-07
 9B PH-12
 9C PH-13
 9D AC-07

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 91 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * 91/07/02 - 00 *

 ASY 7 1.820.353.00 POWER SUPPLY, MCH <-- <-- <-- CONTINUATION

GRP 4 1.862.625.00
 <-- <-- <-- CONTINUATION

ELM 2 SECONDARY DISTRIBUTOR
 PNT SIGNAL NAME COLOR LV TYPE F
 1A
 1B
 2A AC4-R1
 2B
 2C
 2D
 3A AC4-R2
 3B
 3C
 3D
 4A AC4-R3
 4B
 4C
 4D
 5A AC4-R4
 5B
 5C
 5D
 6A
 6B

GRP 5 1.862.625.00
 MAIN TRANSFORMER

ELM 1 PRIMARY DISTRIBUTOR
 PNT SIGNAL NAME COLOR LV TYPE F
 1A AC-01
 1B
 1C AC-01
 1D AC-01
 2A
 2B
 3A AC-02
 3B
 3C AC-02
 3D AC-02
 4A AC-03
 4B
 4C AC-03
 4D AC-03
 5A
 5B
 6A AC-04
 6B PH-14
 6C AC-04
 6D AC-04
 7A AC-05
 7B
 7C AC-05
 7D AC-05
 8A AC-06
 8B
 8C AC-06
 8D AC-06
 9A AC-07
 9B
 9C AC-07
 9D AC-07

GRP 5 1.862.625.00
 <-- <-- <-- CONTINUATION

ELM 2 SECONDARY DISTRIBUTOR
 PNT SIGNAL NAME COLOR LV TYPE F
 1A
 1B
 2A AC5-R1
 2B
 2C
 2D
 3A AC5-R2
 3B
 3C
 3D
 4A AC5-R3
 4B
 4C
 4D
 5A AC5-R4
 5B
 5C
 5D
 6A
 6B

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 92 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 7 1.820.353.00 POWER SUPPLY, MCH <-- <-- <-- CONTINUATION

GRP 6 1.862.625.00
 MAIN TRANSFORMER
 =====
 ELM 1 PRIMARY DISTRIBUTOR

 PNT SIGNAL NAME COLOR LV TYPE F

1A				
1B				
1C AC-01				
1D AC-01				
2A				
2B				
3A				
3B				
3C AC-02				
3D AC-02				
4A				
4B				
4C AC-03				
4D AC-03				
5A				
5B				
6A				
6B				
6C AC-04				
6D AC-04				
7A				
7B				
7C AC-05				
7D AC-05				
8A				
8B				
8C AC-06				
8D AC-06				
9A				
9B				
9C AC-07				
9D AC-07				

GRP 6 1.862.625.00
 <-- <-- <-- CONTINUATION
 =====
 ELM 2 SECONDARY DISTRIBUTOR

 PNT SIGNAL NAME COLOR LV TYPE F

1A				
1B				
2A AC6-R1				
2B				
2C				
2D				
3A AC6-R2				
3B				
3C				
3D				
4A AC6-R3				
4B				
4C				
4D				
5A AC6-R4				
5B				
5C				
5D				
6A				
6B				

GRP 7 70.01.0232
 RECTIFIER 6 * 200V / 35A
 =====
 ELM 1 RECTIFIER 70.01.0232 DZ01

 PNT SIGNAL NAME COLOR LV TYPE F

1 AC4-R1	3	L	
2 AC4-R2	4	L	
3 DC4-R1	2	L	
4 CD4-R2	0	L	

 ELM 2 RECTIFIER 70.01.0232 DZ02

 PNT SIGNAL NAME COLOR LV TYPE F

1 AC4-R3	3	L	
2 AC4-R4	4	L	
3 DC4-R3	2	L	
4 DC4-R4	0	L	

 ELM 3 RECTIFIER 70.01.0232 DZ03

 PNT SIGNAL NAME COLOR LV TYPE F

1 AC5-R1	3	L	
2 AC5-R2	4	L	
3 DC5-R1	2	L	
4 DC5-R2	0	L	

 ELM 4 RECTIFIER 70.01.0232 DZ04

 PNT SIGNAL NAME COLOR LV TYPE F

1 AC5-R3	3	L	
2 AC5-R4	4	L	
3 DC5-R3	2	L	
4 DC5-R4	0	L	

 * STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 93 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
 ASY 7 1.820.353.00 POWER SUPPLY, MCH <-- <-- <-- CONTINUATION

GRP 7 70.01.0232
 <-- <-- <-- CONTINUATION
 =====
 ELM 5 RECTIFIER 70.01.0232 DZ05

 PNT SIGNAL NAME COLOR LV TYPE F

1 AC6-R1	3	L	
2 AC6-R2	4	L	
3 DC6-R1	2	L	
4 DC6-R2	0	L	

 ELM 6 RECTIFIER 70.01.0232 DZ06

 PNT SIGNAL NAME COLOR LV TYPE F

1 AC6-R3	3	L	
2 AC6-R4	4	L	
3 DC6-R3	2	L	
4 DC6-R4	0	L	

GRP 8 59.07.0004
 CAPACITOR UNIT
 =====
 ELM 1 54.33.6007 P01

 PNT SIGNAL NAME COLOR LV TYPE F

1				
2				
3				
4				
5				
6				

 ELM 2 54.33.6007 P02

 PNT SIGNAL NAME COLOR LV TYPE F

1				
2				

 ELM 3 54.33.6007 P03

 PNT SIGNAL NAME COLOR LV TYPE F

1				
2				

 ELM 4 54.33.6007 P04

 PNT SIGNAL NAME COLOR LV TYPE F

1				
2				
3				
4				
5				
6				

GRP 8 59.07.0004
 <-- <-- <-- CONTINUATION
 =====
 ELM 5 54.33.6007 P05

 PNT SIGNAL NAME COLOR LV TYPE F

1				
2				
3				
4				
5				
6				

 ELM 6 54.33.6007 P06

 PNT SIGNAL NAME COLOR LV TYPE F

1				
2				

 ELM 7 54.33.6007 P07

 PNT SIGNAL NAME COLOR LV TYPE F

1				
2				

 ELM 8 54.33.6007 P08

 PNT SIGNAL NAME COLOR LV TYPE F

1				
2				
3				
4				
5				
6				

 ELM 9 59.07.0004 C01
 CAPACITOR

 PNT SIGNAL NAME COLOR LV TYPE F

1 +STABIN				
2 OSTABIN				

STUDER A827 MCH

 * STUDER REVOX AG * L O C A T I O N P I N N L I S T * 91/07/18 * 17:15 * P A G E 94 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 7 1.820.353.00 POWER SUPPLY, MCH <-- <-- <-- CONTINUATION

GRP 8 59.07.0004
 <-- <-- <-- CONTINUATION
 =====

ELM 10 59.07.0004
 CAPACITOR C02

 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN
 2 OSTABIN

ELM 11 59.07.0004
 CAPACITOR C03

 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN
 2 OSTABIN

ELM 12 57.92.4152
 RESISTOR R01

 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN L
 2 OSTABIN L

GRP 10 51.01.0229
 FUSES HOLDERS
 =====

ELM 1 51.01.0125
 FUSE HOLDER / FUSE 16A F01

 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN 2 J
 2 +STABIN1 2 J

ELM 2 51.01.0125
 FUSE HOLDER / FUSE 16A F02

 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN 2 J
 2 +STABIN2 2 J

ELM 3 51.01.0229
 FUSE HOLDER / FUSE 6.3A F03

 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN 2 J
 2 +STABIN3 2 J

ELM 4 51.01.0229
 FUSE HOLDER / FUSE 6.3A F04

 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN 2 J
 2 +STABIN4 2 J

GRP 11 54.25.0210
 CONNECTOR DC OUTPUT
 =====

ELM 1 54.25.0310
 DC OUTPUT CONNECTOR J02

 PNT SIGNAL NAME COLOR LV TYPE F
 1 +STABIN1 2 BX
 2 OSTABIN 0 BX
 3 +STABIN2 2 BX
 4 OSTABIN 0 BX
 5 +STABIN3 2 BX
 6 OSTABIN 0 BX
 7 +STABIN4 2 BX
 8 OSTABIN 0 BX
 9 T-PWRON 5 BX
 10

 * STUDER REVOX AG * L O C A T I O N P I N N L I S T * 91/07/18 * 17:15 * P A G E 95 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

 ASY 8 1.820.620.00 VU PANEL 24 CH

GRP 1 1.827.770.00
 VU PANEL BOARD CH 1 / CH 20
 =====

ELM 1
 VU PANEL AUDIO CONN. CH 1-4 J01

 PNT SIGNAL NAME COLOR LV TYPE F
 1 A-VUMTR4
 2 A-VUMTR3
 3 A-VUMTR2
 4 A-VUMTR1
 5 KEY
 6 +15.0
 7 + 0.0VA
 8 -15.0

ELM 2
 VU PANEL CONTROL CONN. CH 1-4 J02

 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 5.6
 2 + 0.0VD
 3 KEY
 4 C-LDDATA
 5 C-LDSTR1
 6 C-LDCLKA

ELM 3
 VU PANEL AUDIO CONN. CH 9-12 J03

 PNT SIGNAL NAME COLOR LV TYPE F
 1 A-VUMR12
 2 A-VUMR11
 3 A-VUMR10
 4 A-VUMTR9
 5 KEY
 6 +15.0
 7 + 0.0VA
 8 -15.0

GRP 1 1.827.770.00
 <-- <-- <-- CONTINUATION
 =====

ELM 4
 VU PANEL CONTROL CONN. CH 9-12 J04

 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 5.6
 2 + 0.0VD
 3 KEY
 4 C-LDDATB
 5 C-LDSTR3
 6 C-LDCLKB

ELM 5
 VU PANEL AUDIO CONN. CH 17-20 J05

 PNT SIGNAL NAME COLOR LV TYPE F
 1 A-VUMR20
 2 A-VUMR19
 3 A-VUMR18
 4 A-VUMR17
 5 KEY
 6 +15.0
 7 + 0.0VA
 8 -15.0

ELM 6
 VU PANEL CONTROL CONN. CH 17-20 J06

 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 5.6
 2 + 0.0VD
 3 KEY
 4 C-LDDATC
 5 C-LDSTR5
 6 C-LDCLKC

GRP 2 1.827.770.00
 VU PANEL BOARD CH 5 / CH 24
 =====

ELM 1
 VU PANEL AUDIO CONN. CH 5-8 J01

 PNT SIGNAL NAME COLOR LV TYPE F
 1 A-VUMTR8
 2 A-VUMTR7
 3 A-VUMTR6
 4 A-VUMTR5
 5 KEY
 6 +15.0
 7 + 0.0VA
 8 -15.0

ELM 2
 VU PANEL CONTROL COON. CH 5-8 J02

 PNT SIGNAL NAME COLOR LV TYPE F
 1 + 5.6
 2 + 0.0VD
 3 KEY
 4 C-LDDATA
 5 C-LDSTR2
 6 C-LDCLKA

ELM 3
 VU PANEL AUDIO CONN. CH 13-16 J03

 PNT SIGNAL NAME COLOR LV TYPE F
 1 A-VUMR16
 2 A-VUMR15
 3 A-VUMR14
 4 A-VUMR13
 5 KEY
 6 +15.0
 7 + 0.0VA
 8 -15.0

```
*****
* STUDER REVOX AG * L O C A T I O N P I N L I S T * 91/07/18 * 17:15 * P A G E 96 *
* 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *
*****
ASY 8 1.820.620.00 VU PANEL 24 CH <-- <-- <-- CONTINUATION
```

```
GRP 2 1.827.770.00
<-- <-- <-- CONTINUATION
```

```
ELM 4
VU PANEL CONTROL CONN. CH 13-16 J04
```

```
-----
PNT SIGNAL NAME COLOR LV TYPE F
-----
1 + 5.6
2 + 0.0VD
3 KEY
4 C-LDDATB
5 C-LDSTR4
6 C-LDCLKB
-----
```

```
ELM 5
VU PANEL AUDIO CONN. CH 21-24 J05
```

```
-----
PNT SIGNAL NAME COLOR LV TYPE F
-----
1 A-VUMR24
2 A-VUMR23
3 A-VUMR22
4 A-VUMR21
5 KEY
6 +15.0
7 + 0.0VA
8 -15.0
-----
```

```
ELM 6
VU PANEL CONTROL CONN. CH 21-24 J06
```

```
-----
PNT SIGNAL NAME COLOR LV TYPE F
-----
1 + 5.6
2 + 0.0VD
3 KEY
4 C-LDDATC
5 C-LDSTR6
6 C-LDCLKC
-----
```


STUDER A827 MCH

 * STUDER REVOX AG * G R O U P S U M M A R Y * 91/07/18 * 17:29 * P A G E 3 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

ASY	GRP	PART NUMBER	DESCRIPTION	UNUSED PINS	USED PINS	TOT.PINS	MULT.PINS	COD.KEYS	TOT.ELM	REM
4	5	1.827.700.00	BASIS BOARD AUDIO CH 9 TO CH 16	9	410	419	0	6	29	
5	1	1.827.710.00	AUDIO ELECTRONICS BOARD CH17 + CH18	3	86	89	0	0	2	
5	2	1.827.710.00	AUDIO ELECTRONICS BOARD CH19 + CH20	3	86	89	0	0	2	
5	3	1.827.710.00	AUDIO ELECTRONICS BOARD CH21 + CH22	3	86	89	0	0	2	
5	4	1.827.710.00	AUDIO ELECTRONICS BOARD CH23 + CH24	3	86	89	0	0	2	
5	5	1.827.700.00	BASIS BOARD AUDIO CH 17 TO CH 24	9	410	419	0	6	29	
7	1		POWER INPUT / OUTPUT	0	6	6	0	0	2	
7	2	55.17.5003	POWER SWITCH / PHILBERT	8	18	26	0	0	7	
7	3	1.820.830.00	SOFT START UNIT	10	17	27	0	0	5	
7	4	1.862.625.00	MAIN TRANSFORMER	21	31	52	0	0	2	
7	5	1.862.625.00	MAIN TRANSFORMER	26	26	52	0	0	2	
7	6	1.862.625.00	MAIN TRANSFORMER	34	18	52	0	0	2	
7	7	70.01.0232	RECTIFIER 6 * 200V / 35A	0	24	24	0	0	6	
7	8	59.07.0004	CAPACITOR UNIT	32	8	40	0	0	12	
7	10	51.01.0229	FUSES HOLDERS	0	8	8	0	0	4	
7	11	54.25.0210	CONNECTOR DC OUTPUT	1	9	10	0	0	1	
8	1	1.827.770.00	VU PANEL BOARD CH 1 / CH 20	0	36	36	0	6	6	
8	2	1.827.770.00	VU PANEL BOARD CH 5 / CH 24	0	36	36	0	6	6	
DISTRIBUTED IN 66 GRP TOTAL :				587	5592	6179	0	53	391	

* STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * PAGE 4 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
+ 0.0			1	20	1	1				SPOOLING M. DRIVE AMP. LEFT		P01
			1	20	1	2				SPOOLING M. DRIVE AMP. LEFT		P01
			1	20	1	16				SPOOLING M. DRIVE AMP. LEFT		P01
			1	20	2	1				SPOOLING M. DRIVE AMP. RIGHT		P02
			1	20	2	2				SPOOLING M. DRIVE AMP. RIGHT		P02
			1	20	2	16				SPOOLING M. DRIVE AMP. RIGHT		P02
			1	20	3	1				CAPSTAN M. DRIVE AMPLIFIER		P03
			1	20	3	2				CAPSTAN M. DRIVE AMPLIFIER		P03
			1	20	3	9				CAPSTAN M. DRIVE AMPLIFIER		P03
			1	20	3	11				CAPSTAN M. DRIVE AMPLIFIER		P03
			1	20	3	12				CAPSTAN M. DRIVE AMPLIFIER		P03
			1	20	3	16				CAPSTAN M. DRIVE AMPLIFIER		P03
			1	20	4	1				PAR. CONT. INT. SYNCHRONIZER		P04
			1	20	4	2				PAR. CONT. INT. SYNCHRONIZER		P04
			1	20	4	9				PAR. CONT. INT. SYNCHRONIZER		P04
			1	20	4	11				PAR. CONT. INT. SYNCHRONIZER		P04
			1	20	4	16				PAR. CONT. INT. SYNCHRONIZER		P04
			1	20	6	1				OPTO + EXTENDED SENSORS		P06
			1	20	6	2				OPTO + EXTENDED SENSORS		P06
			1	20	7	1				TAPE LIFT MOTOR, LEFT		P07
			1	20	7	2				TAPE LIFT MOTOR, LEFT		P07
			1	20	8	1				TAPE LIFT MOTOR, RIGHT		P08
			1	20	8	2				TAPE LIFT MOTOR, RIGHT		P08
			1	20	9	1				TACHO SENSOR SPOOLING M. LEFT		P09
			1	20	10	1				TACHO SENSOR SPOOLING M. LEFT		P09
			1	20	10	2				TACHO SENSOR SPOOLING M. RIGHT		P10
			1	20	11	1				TACHO SENSOR SPOOLING M. RIGHT		P10
			1	20	11	2				MOVE SENSOR		P11
			1	20	12	1				TAPE TENSION SENSOR, LEFT		P12
			1	20	12	2				TAPE TENSION SENSOR, LEFT		P12
			1	20	13	1				TAPE TENSION SENSOR, RIGHT		P13
			1	20	13	2				TAPE TENSION SENSOR, RIGHT		P13
			1	20	14	11				FUSE FAILURE DETECTOR		P14
			1	20	14	12				FUSE FAILURE DETECTOR		P14
			1	20	15	1				DISPLAY DRIVER		P15
			1	20	15	2				DISPLAY DRIVER		P15
			1	20	16	1				PARALLEL REMOTE INTERFACE		P16
			1	20	16	2				PARALLEL REMOTE INTERFACE		P16
			1	20	17	1				TO HEAD BLOCK ASSEMBLY		P17
			1	20	17	2				TO HEAD BLOCK ASSEMBLY		P17
			1	20	17	20				TO HEAD BLOCK ASSEMBLY		P17
			1	20	17	22				TO HEAD BLOCK ASSEMBLY		P17
			1	20	17	25				TO HEAD BLOCK ASSEMBLY		P17
			1	20	17	26				TO HEAD BLOCK ASSEMBLY		P17
			1	20	18	1				RESERVE		P18
			1	20	18	2				RESERVE		P18
			1	20	18	20				RESERVE		P18
			1	20	18	22				RESERVE		P18
			1	20	18	25				RESERVE		P18
			1	20	18	26				RESERVE		P18
			1	20	19	1				MECHANICAL ELAPSED TIMER		P19
			1	20	19	2				MECHANICAL ELAPSED TIMER		P19
			1	20	32	1				BASIS BOARD AUDIO CONT. ELM15		P24

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * PAGE 5 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			1	20	32	3				BASIS BOARD AUDIO CONT. ELM15		P24
+ 0.0			1	20	32	5				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	7				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	9				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	11				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	13				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	15				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	17				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	19				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	21				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	23				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	32	25				BASIS BOARD AUDIO CONT. ELM15		P24
			1	20	33	1				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	3				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	5				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	7				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	9				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	11				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	13				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	15				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	17				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	19				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	21				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	23				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	33	25				BASIS BOARD AUDIO CONT. ELM16		P25
			1	20	34	2				INT. SYNCHRONIZER		
			1	20	34	4				INT. SYNCHRONIZER		
			1	20	34	6				INT. SYNCHRONIZER		
			1	20	34	8				INT. SYNCHRONIZER		
			1	20	34	10				INT. SYNCHRONIZER		
			1	20	34	11				INT. SYNCHRONIZER		
			1	20	34	12				INT. SYNCHRONIZER		
			1	20	34	13				INT. SYNCHRONIZER		
			1	20	34	14				INT. SYNCHRONIZER		
			1	20	34	16				INT. SYNCHRONIZER		
			1	20	34	18				INT. SYNCHRONIZER		
			1	20	34	20				INT. SYNCHRONIZER		
			1	20	34	22				INT. SYNCHRONIZER		
			1	20	34	24				INT. SYNCHRONIZER		
			1	20	34	26				INT. SYNCHRONIZER		
			1	20	34	28				INT. SYNCHRONIZER		
			1	20	34	30				INT. SYNCHRONIZER		
			1	20	34	32				INT. SYNCHRONIZER		
			1	20	34	34				INT. SYNCHRONIZER		
			1	20	34	36				INT. SYNCHRONIZER		
			1	20	34	38				INT. SYNCHRONIZER		
			1	20	34	40				INT. SYNCHRONIZER		
			1	20	40	21				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	41	21				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	17A				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	42	17B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	17A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	43	17B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	21				TAPE DECK COUNTER / TIMER	J05	1.820.761.00

STUDER A827 MCH

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 6 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF + 0.0			1	20	45	21				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	21				MP-UNIT TD CONTROL MCH	J07	1.820.761.00
			1	20	47	21				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	48	17A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	48	17B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	21				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	21				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	16A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	20	51	16B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
0			1	20	60	1			L	WIRE FIELD (FROM GRP20, ELM70)		
0			1	20	60	2			LL	WIRE FIELD (FROM GRP20, ELM70)		
0			1	20	60	3			LL	WIRE FIELD (FROM GRP20, ELM70)		
0			1	20	61	3			LL	WIRE FIELD (FROM GRP20, ELM70)		
0			1	20	61	4			LL	WIRE FIELD (FROM GRP20, ELM70)		
0			1	20	61	6			LL	WIRE FIELD (FROM GRP20, ELM70)		
0			1	20	61	7			LL	WIRE FIELD (FROM GRP20, ELM70)		
0			1	20	61	8			LL	WIRE FIELD (FROM GRP20, ELM70)		
0			1	20	70	5			F	FROM GRP35, ELM59	J13	
0			1	20	70	6			F	FROM GRP35, ELM59	J13	
0			1	20	70	8			F	FROM GRP35, ELM59	J13	
0			1	20	70	9			F	FROM GRP35, ELM59	J13	
0			1	20	70	10			F	FROM GRP35, ELM59	J13	
0			1	20	70	13			F	FROM GRP35, ELM59	J13	
0			1	20	70	14			F	FROM GRP35, ELM59	J13	
0			1	20	70	21			F	FROM GRP35, ELM59	J13	
			1	21	1	2				CONNECTOR STUDIOBUS	J02	
			1	21	2	2				CONNECTOR STUDIOBUS	J03	
			1	21	3	2				CONNECTOR STUDIOBUS	J04	
			1	21	6	1				CONNECTOR STUDIOBUS	J04	
			1	21	7	1				CONNECTOR STUDIOBUS	J04	
			1	21	8	3			BX	FROM GRP35, ELM61	J01	
			1	21	8	4			BX	FROM GRP35, ELM61	J01	
			1	21	15	1				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	3				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	5				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	7				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	9				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	11				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	13				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	15				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	17				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	19				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	21				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	23				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	15	25				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	16	1				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	3				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	5				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	7				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	9				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	11				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	13				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	15				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	17				TAPE DECK BASIS BOARD, ELM33	P09	

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 7 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF + 0.0			1	21	16	19				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	21				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	23				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	16	25				TAPE DECK BASIS BOARD, ELM33	P09	
			1	21	20	21				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	21				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	21				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	4B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	23	12B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	4C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	24	12C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	1				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	2				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	10				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	13				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	16				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	19				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	22				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	24				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	26				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	28				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	30				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	32				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	34				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	36				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	38				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	50	40				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	51	1				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	2				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	10				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	13				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	14				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	19				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	22				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	24				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	26				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	28				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	30				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	32				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	34				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	36				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	38				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	51	40				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	52	1				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	2				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	10				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	13				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	16				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	19				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	22				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	24				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	26				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	28				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	30				TO AUDIO RACK CH 17 TO 24	P12	

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 8 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<--- CONT.OF + 0.0			1	21	52	32				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	34				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	36				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	38				TO AUDIO RACK CH 17 TO 24	P12	
			1	21	52	40				TO AUDIO RACK CH 17 TO 24	P12	
	6		1	23	1	5			L	BICODE/PILOT	J01	
	6		1	23	5	5			L	BICODE	J05	
			1	23	8	1			B	CONN. PARALLEL REMOTE CONTROL	J07	
	7		1	23	9	4			B	LOCAL CONTROL UNIT	J08	
	9		1	23	9	5			B	LOCAL CONTROL UNIT	J08	
	1		1	23	9	6			B	LOCAL CONTROL UNIT	J08	
	5		1	23	9	8			B	LOCAL CONTROL UNIT	J08	
	1		1	23	12	1			B	MASTER TALLIES	J11	
	9		1	23	12	5			B	MASTER TALLIES	J11	
	S		1	23	13	1			L	COMP. VIDEO IN	J12	
	S		1	23	14	1			L	COMP. VIDEO IN	J13	
			1	24	1	1				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
			1	24	1	2				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
			1	24	2	1				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	2	2				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	9	1			B	CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	24	9	14			B	CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	24	10	1			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	1			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	25	1	15				NRS CONTROL CONN. CH 1 TO 8		
			1	25	2	15				NRS CONTROL CONN. CH 9 TO 16		
			1	25	3	15				NRS CONTROL CONN. CH 17 TO 24		
			1	25	7	5			B	CONN. AUTOLOCATOR, REMOTE TIMER	J01	
			1	26	1	1				FROM PAR. REM. IF	P01	
	0		1	26	2	9				TO GRP25, ELM01 (REMOTE PANEL)	P02	
			1	26	3	1				TO PAR. REM. IF	J01	
			1	27	1	1				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
			1	27	2	1				FROM GRP20, ELM14 (BASIS BOARD)	P03	
			1	27	2	2				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	27	3	1				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
			1	27	3	2				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
			1	27	4	1				TO GRP24, ELM02 (PAR. REMOTE CTL)	P03	
			1	27	6	1				CONN. AUTOLOC - PARALLEL	P06	
			1	28	1	1				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	1	2				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	1	16				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	1				TO VU-METER PANEL	P02	
			1	28	2	2				TO VU-METER PANEL	P02	
			1	28	2	16				TO VU-METER PANEL	P02	
			1	29	5	1				FROM GRP20, ELM02 (BASIS B. TD)	P01	
			1	29	5	2				FROM GRP20, ELM02 (BASIS B. TD)	P01	
			1	29	5	16				FROM GRP20, ELM02 (BASIS B. TD)	P01	
			1	29	6	1				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	29	6	2				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	29	6	16				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	30	1	1			BX	SUPPLY INPUT	J03	
			1	30	2	1				FROM GRP29, ELM06	P01	
			1	30	2	2				FROM GRP29, ELM06	P01	
			1	30	2	16				FROM GRP29, ELM06	P01	

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 9 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<--- CONT.OF + 0.0			1	31	1	1				FROM DISTRIBUTION BOARD (ELM20)	P01	
			1	31	1	2				FROM DISTRIBUTION BOARD (ELM20)	P01	
			1	31	2	3			BX	DC OUTPUT (GRP35, ELM53)	P02	
			1	31	2	4			BX	DC OUTPUT (GRP35, ELM53)	P02	
			1	31	2	7			BX	DC OUTPUT (GRP35, ELM53)	P02	
			1	32	1	1				FROM DISTRIBUTION BOARD (ELM21)	P01	
			1	32	1	2				FROM DISTRIBUTION BOARD (ELM21)	P01	
			1	32	2	1			BX	DC OUTPUT (GRP35, ELM55)	P02	
			1	32	2	4			BX	DC OUTPUT (GRP35, ELM55)	P02	
			1	32	2	7			BX	DC OUTPUT (GRP35, ELM55)	P02	
			1	32	2	8			BX	DC OUTPUT (GRP35, ELM55)	P02	
			1	33	1	1			BX	SUPPLY INPUT	J03	
			1	33	2	1				FROM GRP20, ELM01 (BASIS B. TD)	P01	
			1	33	2	2				FROM GRP20, ELM01 (BASIS B. TD)	P01	
	0		1	33	2	16				FROM GRP20, ELM01 (BASIS B. TD)	P01	
	0		1	35	1	3			U	WIRE FIELD		
	0		1	35	1	4			U	WIRE FIELD		
	0		1	35	1	5			U	WIRE FIELD		
	0		1	35	1	10			U	WIRE FIELD		
	0		1	35	1	11			U	WIRE FIELD		
	0		1	35	1	12			U	WIRE FIELD		
	0		1	35	1	14				WIRE FIELD		
	0		1	35	1	17			U	WIRE FIELD		
	0		1	35	1	18			U	WIRE FIELD		
			1	35	1	21				WIRE FIELD		
			1	35	1	22				WIRE FIELD		
			1	35	1	23				WIRE FIELD		
			1	35	1	24				WIRE FIELD		
			1	35	1	25				WIRE FIELD		
			1	35	1	30				WIRE FIELD		
	0		1	35	1	32			L	WIRE FIELD		
	0		1	35	1	36			L	WIRE FIELD		
	0		1	35	1	37			L	WIRE FIELD		
	0		1	35	1	39			L	WIRE FIELD		
	0		1	35	1	40			L	WIRE FIELD		
	0		1	35	1	41			L	WIRE FIELD		
	0		1	35	1	42			L	WIRE FIELD		
	0		1	35	1	43			L	WIRE FIELD		
	0		1	35	1	44			L	WIRE FIELD		
	0		1	35	1	45			L	WIRE FIELD		
	0		1	35	1	46			L	WIRE FIELD		
			1	35	1	47				WIRE FIELD		
			1	35	1	48				WIRE FIELD		
			1	35	1	49				WIRE FIELD		
			1	35	1	50				WIRE FIELD		
			1	35	1	51				WIRE FIELD		
			1	35	1	52				WIRE FIELD		
			1	35	1	53				WIRE FIELD		
			1	35	20	1				TO GRP31, ELM01	P01	
			1	35	20	2				TO GRP31, ELM01	P01	
			1	35	21	1				TO GRP32, ELM01	P02	
			1	35	21	2				TO GRP32, ELM01	P02	
			1	35	30	3			BX	AUDIO RACK CH 1 TO 8	J01	
			1	35	30	4			BX	AUDIO RACK CH 1 TO 8	J01	

STUDER A827 MCH

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 10 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF + 0.0			1	35	31	3			BX	AUDIO RACK CH 9 TO 16	J02	
			1	35	31	4			BX	AUDIO RACK CH 9 TO 16	J02	
			1	35	32	3			BX	AUDIO RACK CH 17 TO 24	J03	
			1	35	32	4			BX	AUDIO RACK CH 17 TO 24	J03	
			1	35	33	3			BX		J04	
			1	35	33	4			DX		J04	
			1	35	34	3			BX		J05	
			1	35	34	4			BX		J05	
0			1	35	52	1			AX	FROM GRP30, ELM01	P03	
0			1	35	53	3			AX	FROM GRP31, ELM02	P04	
0			1	35	53	4			AX	FROM GRP31, ELM02	P04	
0			1	35	53	7			AX	FROM GRP31, ELM02	P04	
0			1	35	55	1			AX	FROM GRP32, ELM02	P06	
0			1	35	55	4			AX	FROM GRP32, ELM02	P06	
0			1	35	55	7			AX	FROM GRP32, ELM02	P06	
0			1	35	55	8			AX	FROM GRP32, ELM02	P06	
0			1	35	57	1			AX	TO GRP33, ELM01	P08	
0			1	35	59	5			M	TO GRP20, ELM70	P10	
0			1	35	59	6			M	TO GRP20, ELM70	P10	
0			1	35	59	8			M	TO GRP20, ELM70	P10	
0			1	35	59	9			M	TO GRP20, ELM70	P10	
0			1	35	59	10			M	TO GRP20, ELM70	P10	
0			1	35	59	13			M	TO GRP20, ELM70	P10	
0			1	35	59	14			M	TO GRP20, ELM70	P10	
0			1	35	59	21			M	TO GRP20, ELM70	P10	
0			1	35	61	3			AX	TO GRP21, ELM08	P12	
0			1	35	61	4			AX	TO GRP21, ELM08	P12	
			1	36	1	1				TACHO SENSOR	P01	1.820.771.00
			1	36	1	2				TACHO SENSOR	P01	1.820.771.00
			1	37	1	1				TACHO SENSOR	P01	1.820.771.00
			1	37	1	2				TACHO SENSOR	P01	1.820.771.00
			1	38	1	12			F	FROM GRP39, ELM02	J01	1.820.771.00
			1	39	1	1				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	1	2				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	1	9				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	1	16				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	2	12			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
			1	42	1	1				FROM GRP20, ELM12 (BASIS B. TD)	P01	
			1	42	1	2				FROM GRP20, ELM12 (BASIS B. TD)	P01	
			1	43	1	1				FROM GRP20, ELM13 (BASIS B. TD)	P01	
			1	43	1	2				FROM GRP20, ELM13 (BASIS B. TD)	P01	
			1	44	1	1				FROM GRP20, ELM06	P01	
			1	44	1	2				FROM GRP20, ELM06	P01	
			1	44	2	2				OPTO SENSOR -82 ONLY	P02	
			1	45	1	1				FROM GRP20, ELM11	P01	
			1	45	1	2				FROM GRP20, ELM11	P01	
			1	46	1	1				FROM GRP20, ELM07	P01	
			1	46	1	2				FROM GRP20, ELM07	P01	
			1	47	1	1				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	47	1	2				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	48	1	1				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	1	2				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	2	1				CONNECTOR EDIT ASSEMBLY		
			1	48	2	2				CONNECTOR EDIT ASSEMBLY		

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF + 0.0			1	50	1	1				FROM GRP20, ELM15 (BASIS B. TD)	P01	
			1	50	1	2				FROM GRP20, ELM15 (BASIS B. TD)	P01	
			1	50	2	1				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	2	2				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	3	1				CONNECTOR COMMAND UNIT	P02	
			1	50	3	2				CONNECTOR COMMAND UNIT	P02	
			1	50	4	1				CONNECTOR LCD DISPLAY UNIT	P04	
			1	50	4	16				CONNECTOR LCD DISPLAY UNIT	P04	
			1	51	1	1				FROM GRP50, ELM02 (DISPLAY DRIVER)		
			1	51	1	2				FROM GRP50, ELM02 (DISPLAY DRIVER)		
			1	52	1	1				FROM GRP50, ELM04 (DISPLAY DRIVER)		
			1	52	1	16				FROM GRP50, ELM04 (DISPLAY DRIVER)		
1			1	53	1	11			B	CONNECTOR DATA BACK UP, FRONT P.	J01	
			1	59	1	11				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	59	1	12				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	60	1	1				FROM GR. 20 ELM 08	P01	
			1	60	1	2				FROM GR. 20 ELM 08	P01	
			1	60	2	1				FROM GR. 20 ELM 11	P02	
			1	60	2	2				FROM GR. 20 ELM 11	P02	
			1	60	3	1				FROM GR. 20 ELM 10	P02	
			1	60	3	2				FROM GR. 20 ELM 10	P03	
			1	60	4	1				FROM GR. 20 ELM 09	P04	
			1	60	4	2				FROM GR. 20 ELM 09	P04	
			1	60	5	1				TO TAPE LIFT MOTOR, RIGHT	P05	
			1	60	5	2				TO TAPE LIFT MOTOR, RIGHT	P05	
			1	60	6	1				TO MOVE SENSOR	P06	
			1	60	6	2				TO MOVE SENSOR	P06	
			1	60	7	1				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
			1	60	7	2				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
			1	60	8	1				TO TACHO SENSOR SP. MOTOR LEFT	P08	
			1	60	8	2				TO TACHO SENSOR SP. MOTOR LEFT	P08	
			2	1	7	14				REPRODUCE HEAD, CH 01 TO 08	P07	
			2	1	8	16				REPRODUCE HEAD, CH 09 TO 16	P08	
			2	1	9	16				REPRODUCE HEAD, CH 17 TO 24	P09	
			2	1	10	1				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	1	10	13				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	1	10	14				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	1	10	23				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	1	10	24				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	1	16	1				INPUT	J01	
			2	2	16	1				OUTPUT	P01	
			2	3	1	16				INPUT	J01	
			2	3	2	16				OUTPUT	P01	
			2	4	1	16				INPUT	J01	
			2	4	2	1				OUTPUT	P01	
			2	5	1	1				AUDIO CONTROL CONNECTOR	P01	
			2	5	1	2				AUDIO CONTROL CONNECTOR	P01	
			2	5	1	10				AUDIO CONTROL CONNECTOR	P01	
			2	5	1	13				AUDIO CONTROL CONNECTOR	P01	
			2	5	1	16				AUDIO CONTROL CONNECTOR	P01	
			2	5	1	19				AUDIO CONTROL CONNECTOR	P01	
			2	5	1	22				AUDIO CONTROL CONNECTOR	P01	
			2	5	1	24				AUDIO CONTROL CONNECTOR	P01	
			2	5	1	26				AUDIO CONTROL CONNECTOR	P01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			3	5	1	28				AUDIO CONTROL CONNECTOR		P01
+ 0.0			3	5	1	30				AUDIO CONTROL CONNECTOR		P01
			3	5	1	32				AUDIO CONTROL CONNECTOR		P01
			3	5	1	34				AUDIO CONTROL CONNECTOR		P01
			3	5	1	36				AUDIO CONTROL CONNECTOR		P01
			3	5	1	38				AUDIO CONTROL CONNECTOR		P01
			3	5	1	40				AUDIO CONTROL CONNECTOR		P01
			4	5	1	1				AUDIO CONTROL CONNECTOR		P01
			4	5	1	2				AUDIO CONTROL CONNECTOR		P01
			4	5	1	10				AUDIO CONTROL CONNECTOR		P01
			4	5	1	13				AUDIO CONTROL CONNECTOR		P01
			4	5	1	16				AUDIO CONTROL CONNECTOR		P01
			4	5	1	19				AUDIO CONTROL CONNECTOR		P01
			4	5	1	22				AUDIO CONTROL CONNECTOR		P01
			4	5	1	24				AUDIO CONTROL CONNECTOR		P01
			4	5	1	26				AUDIO CONTROL CONNECTOR		P01
			4	5	1	28				AUDIO CONTROL CONNECTOR		P01
			4	5	1	30				AUDIO CONTROL CONNECTOR		P01
			4	5	1	32				AUDIO CONTROL CONNECTOR		P01
			4	5	1	34				AUDIO CONTROL CONNECTOR		P01
			4	5	1	36				AUDIO CONTROL CONNECTOR		P01
			4	5	1	38				AUDIO CONTROL CONNECTOR		P01
			4	5	1	40				AUDIO CONTROL CONNECTOR		P01
			5	5	1	1				AUDIO CONTROL CONNECTOR		P01
			5	5	1	2				AUDIO CONTROL CONNECTOR		P01
			5	5	1	10				AUDIO CONTROL CONNECTOR		P01
			5	5	1	13				AUDIO CONTROL CONNECTOR		P01
			5	5	1	15				AUDIO CONTROL CONNECTOR		P01
			5	5	1	19				AUDIO CONTROL CONNECTOR		P01
			5	5	1	22				AUDIO CONTROL CONNECTOR		P01
			5	5	1	24				AUDIO CONTROL CONNECTOR		P01
			5	5	1	26				AUDIO CONTROL CONNECTOR		P01
			5	5	1	28				AUDIO CONTROL CONNECTOR		P01
			5	5	1	30				AUDIO CONTROL CONNECTOR		P01
			5	5	1	32				AUDIO CONTROL CONNECTOR		P01
			5	5	1	34				AUDIO CONTROL CONNECTOR		P01
			5	5	1	36				AUDIO CONTROL CONNECTOR		P01
			5	5	1	38				AUDIO CONTROL CONNECTOR		P01
			5	5	1	40				AUDIO CONTROL CONNECTOR		P01
+ 0.0T	6		1	28	3	2				TO MECHANICAL TIMER		P03
+ 0.0VA			3	1	1	7A				BASIS BOARD CONNECTOR	CH1/2	P1
			3	1	1	7B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	1	1	24A				BASIS BOARD CONNECTOR	CH1/2	P1
			3	1	1	24B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	1	2	7				HEAD BLOCK CABLE CONN.	CH1/2	J1
			3	2	1	7A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	7B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	24A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	24B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	2	7				HEAD BLOCK CABLE CONN.	CH3/4	J1
			3	3	1	7A				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	1	7B				BASIS BOARD CONNECTOR	CH5/6	J13

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 13 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			3	3	1	24A				BASIS BOARD CONNECTOR	CH5/6	J13
+ 0.0VA			3	3	1	24B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	2	7				HEAD BLOCK CABLE CONN.	CH5/6	J1
			3	4	1	7A				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	7B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	24A				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	24B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	2	7				HEAD BLOCK CABLE CONN.	CH7/8	J1
			3	5	3	3				VU PANEL AUDIO CONNECTOR		J03
			3	5	3	4				VU PANEL AUDIO CONNECTOR		J03
			3	5	4	2				POWER SUPPLY CONNECTOR		J02
			3	5	11	7A				AUDIO ELECTRONICS	CH1/2	J11
			3	5	11	7B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	11	24A				AUDIO ELECTRONICS	CH1/2	J11
			3	5	11	24B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	7A				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	7B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	24A				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	24B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	7A				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	7B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	24A				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	24B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	7A				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	7B				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	24A				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	24B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	7A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	7B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	24A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	24B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	2	7				HEAD BLOCK CABLE CONN.	CH12/10	J1
			4	2	1	7A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	7B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	24A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	24B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	2	7				HEAD BLOCK CABLE CONN.	CH11/12	J1
			4	3	1	7A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	7B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	24A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	24B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	2	7				HEAD BLOCK CABLE CONN.	CH13/14	J1
			4	4	1	7A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	7B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	24A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	24B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	2	7				HEAD BLOCK CABLE CONN.	CH15/16	J1
			4	5	3	3				VU PANEL AUDIO CONNECTOR		J03
			4	5	3	4				VU PANEL AUDIO CONNECTOR		J03
			4	5	4	2				POWER SUPPLY CONNECTOR		J02
			4	5	11	7A				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	7B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	24A				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	24B				AUDIO ELECTRONICS	CH9/10	J11

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<--- CONT.OF + 0.0VA			4	5	12	7A				AUDIO ELECTRONICS CH11/12	J12	
			4	5	12	7B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	12	24A				AUDIO ELECTRONICS CH11/12	J12	
			4	5	12	24B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	7A				AUDIO ELECTRONICS CH13/14	J13	
			4	5	13	7B				AUDIO ELECTRONICS CH13/14	J13	
			4	5	13	24A				AUDIO ELECTRONICS CH13/14	J13	
			4	5	13	24B				AUDIO ELECTRONICS CH13/14	J13	
			4	5	14	7A				AUDIO ELECTRONICS CH15/16	J14	
			4	5	14	7B				AUDIO ELECTRONICS CH15/16	J14	
			4	5	14	24A				AUDIO ELECTRONICS CH15/16	J14	
			4	5	14	24B				AUDIO ELECTRONICS CH15/16	J14	
			5	1	1	7A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	1	1	7B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	1	1	24A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	1	1	24B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	1	2	7				HEAD BLOCK CABLE CONN. CH17/18	J1	
			5	2	1	7A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	2	1	7B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	2	1	24A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	2	1	24B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	2	2	7				HEAD BLOCK CABLE CONN. CH19/20	J1	
			5	3	1	7A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	3	1	7B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	3	1	24A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	3	1	24B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	3	2	7				HEAD BLOCK CABLE CONN. CH21/22	J1	
			5	4	1	7A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	4	1	7B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	4	1	24A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	4	1	24B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	4	2	7				HEAD BLOCK CABLE CONN. CH23/24	J1	
			5	5	3	3				VU PANEL AUDIO CONNECTOR	J03	
			5	5	3	4				VU PANEL AUDIO CONNECTOR	J03	
			5	5	3	2				POWER SUPPLY CONNECTOR	J02	
			5	5	4	2				AUDIO ELECTRONICS CH17/18	J11	
			5	5	11	7A				AUDIO ELECTRONICS CH17/18	J11	
			5	5	11	7B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	11	24A				AUDIO ELECTRONICS CH17/18	J11	
			5	5	11	24B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	7A				AUDIO ELECTRONICS CH19/20	J12	
			5	5	12	7B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	12	24A				AUDIO ELECTRONICS CH19/20	J12	
			5	5	12	24B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	7A				AUDIO ELECTRONICS CH21/22	J13	
			5	5	13	7B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	13	24A				AUDIO ELECTRONICS CH21/22	J13	
			5	5	13	24B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	7A				AUDIO ELECTRONICS CH23/24	J14	
			5	5	14	7B				AUDIO ELECTRONICS CH23/24	J14	
			5	5	14	24A				AUDIO ELECTRONICS CH23/24	J14	
			5	5	14	24B				AUDIO ELECTRONICS CH23/24	J14	
			8	1	1	7				VU PANEL AUDIO CONN. CH 1-4	J01	
			8	1	3	7				VU PANEL AUDIO CONN. CH 9-12	J03	
			8	1	5	7				VU PANEL AUDIO CONN. CH 17-20	J05	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<--- CONT.OF + 0.0VA			8	2	1	7				VU PANEL AUDIO CONN. CH 5-8	J01	
			8	2	3	7				VU PANEL AUDIO CONN. CH 13-16	J03	
			8	2	5	7				VU PANEL AUDIO CONN. CH 21-24	J05	
+ 0.0VD			3	1	1	19A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	1	1	19B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	2	1	19A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	2	1	19B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	3	1	19A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	3	1	19B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	4	1	19A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	4	1	19B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	2	1				VU PANEL CONTROL CONNECTOR	J01	
			3	5	2	2				VU PANEL CONTROL CONNECTOR	J01	
			3	5	4	5				POWER SUPPLY CONNECTOR	J02	
			3	5	11	19A				AUDIO ELECTRONICS CH1/2	J11	
			3	5	11	19B				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	19A				AUDIO ELECTRONICS CH3/4	J12	
			3	5	12	19B				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	19A				AUDIO ELECTRONICS CH5/6	J13	
			3	5	13	19B				AUDIO ELECTRONICS CH5/6	J13	
			3	5	14	19A				AUDIO ELECTRONICS CH7/8	J14	
			3	5	14	19B				AUDIO ELECTRONICS CH7/8	J14	
			4	1	1	19B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	2	1	19B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	3	1	19B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	4	1	19B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	2	1				VU PANEL CONTROL CONNECTOR	J01	
			4	5	2	2				VU PANEL CONTROL CONNECTOR	J01	
			4	5	4	5				POWER SUPPLY CONNECTOR	J02	
			4	5	11	19B				AUDIO ELECTRONICS CH7/10	J11	
			4	5	12	19B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	19B				AUDIO ELECTRONICS CH13/14	J13	
			4	5	14	19B				AUDIO ELECTRONICS CH15/16	J14	
			5	1	1	19B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	2	1	19B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	3	1	19B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	4	1	19B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	2	1				VU PANEL CONTROL CONNECTOR	J01	
			5	5	2	2				VU PANEL CONTROL CONNECTOR	J01	
			5	5	4	5				POWER SUPPLY CONNECTOR	J02	
			5	5	11	19B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	19B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	19B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	19B				AUDIO ELECTRONICS CH23/24	J14	
			8	1	2	2				VU PANEL CONTROL CONN. CH 1-4	J02	
			8	1	4	2				VU PANEL CONTROL CONN. CH 9-12	J04	
			8	1	6	2				VU PANEL CONTROL CONN. CH 17-20	J06	
			8	2	2	2				VU PANEL CONTROL CONN. CH 5-8	J02	
			8	2	4	2				VU PANEL CONTROL CONN. CH 13-16	J04	
			8	2	6	2				VU PANEL CONTROL CONN. CH 21-24	J06	

* STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * PAGE 16 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
+ 5.0					1 23	1 4			L	BICODE/PILOT	J01	
					1 23	5 4			L	BICODE	J05	
					1 23	9 1			B	LOCAL CONTROL UNIT	J08	
					1 23	9 2			B	LOCAL CONTROL UNIT	J08	
					1 23	9 3			B	LOCAL CONTROL UNIT	J08	
					1 23	9 9			B	LOCAL CONTROL UNIT	J08	
					1 23	9 10			B	LOCAL CONTROL UNIT	J08	
					1 23	9 11			B	LOCAL CONTROL UNIT	J08	
					1 26	1 2				FROM PAR. REM. IF	P01	
					1 27	1 2				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
					1 48	2 3				CONNECTOR EDIT ASSEMBLY		
					1 50	4 2				CONNECTOR LCD DISPLAY UNIT	P04	
					1 52	1 2				FROM GRP50, ELM04 (DISPLAY DRIVER)		
+ 5.6					1 20	1 3				SPOOLING M. DRIVE AMP. LEFT	P01	
					1 20	1 4				SPOOLING M. DRIVE AMP. LEFT	P01	
					1 20	2 3				SPOOLING M. DRIVE AMP. RIGHT	P02	
					1 20	2 4				SPOOLING M. DRIVE AMP. RIGHT	P02	
					1 20	3 3				CAPSTAN M. DRIVE AMPLIFIER	P03	
					1 20	3 4				CAPSTAN M. DRIVE AMPLIFIER	P03	
					1 20	4 3				PAR. CONT. INT. SYNCHRONIZER	P04	
					1 20	4 4				PAR. CONT. INT. SYNCHRONIZER	P04	
					1 20	6 3				OPTO + EXTENDED SENSORS	P06	
					1 20	6 4				OPTO + EXTENDED SENSORS	P06	
					1 20	7 3				TAPE LIFT MOTOR, LEFT	P07	
					1 20	7 4				TAPE LIFT MOTOR, LEFT	P07	
					1 20	8 3				TAPE LIFT MOTOR, RIGHT	P08	
					1 20	8 4				TAPE LIFT MOTOR, RIGHT	P08	
					1 20	9 3				TACHO SENSOR SPOOLING M. LEFT	P09	
					1 20	9 4				TACHO SENSOR SPOOLING M. LEFT	P09	
					1 20	10 3				TACHO SENSOR SPOOLING M. RIGHT	P10	
					1 20	10 4				TACHO SENSOR SPOOLING M. RIGHT	P10	
					1 20	11 3				MOVE SENSOR	P11	
					1 20	11 4				MOVE SENSOR	P11	
					1 20	12 3				TAPE TENSION SENSOR, LEFT	P12	
					1 20	12 4				TAPE TENSION SENSOR, LEFT	P12	
					1 20	13 3				TAPE TENSION SENSOR, RIGHT	P13	
					1 20	13 4				TAPE TENSION SENSOR, RIGHT	P13	
					1 20	14 9				FUSE FAILURE DETECTOR	P14	
					1 20	14 10				FUSE FAILURE DETECTOR	P14	
					1 20	15 3				DISPLAY DRIVER	P15	
					1 20	15 4				DISPLAY DRIVER	P15	
					1 20	16 3				PARALLEL REMOTE INTERFACE	P16	
					1 20	16 4				PARALLEL REMOTE INTERFACE	P16	
					1 20	17 3				TO HEAD BLOCK ASSEMBLY	P17	
					1 20	17 4				TO HEAD BLOCK ASSEMBLY	P17	
					1 20	18 3				RESERVE	P18	
					1 20	18 4				RESERVE	P18	
					1 20	19 3				MECHANICAL ELAPSED TIMER	P19	
					1 20	19 4				MECHANICAL ELAPSED TIMER	P19	
					1 20	40 20				SPOOLING MOTOR DRIVER	J01	1.820.759.00
					1 20	41 20				CAPSTAN CONTROL UNIT	J02	1.820.764.00
					1 20	42 16A				CAPSTAN INTERFACE	J03	1.820.727.00
					1 20	42 16B				CAPSTAN INTERFACE	J03	1.820.727.00
					1 20	43 16A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * PAGE 17 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF					1 20	43 16B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
+ 5.6					1 20	44 20				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
					1 20	45 20				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
					1 20	46 20				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
					1 20	47 20				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
					1 20	48 16A				MASTER SERIAL INTERFACE	J09	1.820.753.00
					1 20	48 16B				MASTER SERIAL INTERFACE	J09	1.820.753.00
					1 20	49 20				MP-UNIT MASTER MCH	J10	1.820.784.00
					1 20	50 20				SMPTE/EBU INTERFACE	J11	1.820.751.00
					1 20	51 18A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
					1 20	51 18B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
					1 20	62 1			L	WIRE FIELD		
					1 20	62 2			L	WIRE FIELD		
					1 20	70 1			F	FROM GRP35, ELM59	J13	
					1 20	70 2			F	FROM GRP35, ELM59	J13	
					1 21	8 1			BX	FROM GRP35, ELM61	J01	
					1 21	20 20				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
					1 21	21 20				MPU AUDIO CONTROL MCH	J06	1.827.788.00
					1 21	22 20				GENERATOR UNIT MCH	J07	1.827.725.00
					1 21	23 20B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
					1 21	24 20C				BUS DRIVER MCH	J09	1.827.723.00
					1 21	50 3				TO AUDIO RACK CH 1 TO 8	P10	
					1 21	50 4				TO AUDIO RACK CH 1 TO 8	P10	
					1 21	51 3				TO AUDIO RACK CH 9 TO 16	P11	
					1 21	51 4				TO AUDIO RACK CH 9 TO 16	P11	
					1 21	51 4				TO AUDIO RACK CH 17 TO 24	P12	
					1 21	52 3				TO AUDIO RACK CH 17 TO 24	P12	
					1 21	52 4				TO AUDIO RACK CH 17 TO 24	P12	
					1 27	2 3				FROM GRP20, ELM16 (BASIS BOARD)	P02	
					1 27	2 4				FROM GRP20, ELM16 (BASIS BOARD)	P02	
					1 28	1 3				FROM B. BOARD TAPE DECK, ELM 19	P01	
					1 28	1 4				FROM B. BOARD TAPE DECK, ELM 19	P01	
					1 28	2 3				TO VU-METER PANEL	P02	
					1 28	2 4				TO VU-METER PANEL	P02	
					1 29	5 3				FROM GRP20, ELM02 (BASIS B. TD)	P01	
					1 29	5 4				FROM GRP20, ELM02 (BASIS B. TD)	P01	
					1 29	6 3				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
					1 29	6 4				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
					1 30	2 3				FROM GRP29, ELM06	P01	
					1 30	2 4				FROM GRP29, ELM06	P01	
					1 31	1 3				FROM DISTRIBUTION BOARD (ELM20)	P01	
					1 31	1 4				FROM DISTRIBUTION BOARD (ELM20)	P01	
					1 32	1 3				FROM DISTRIBUTION BOARD (ELM21)	P01	
					1 32	1 4				FROM DISTRIBUTION BOARD (ELM21)	P01	
					1 32	2 9			BX	DC OUTPUT (GRP35, ELM55)	P02	
					1 32	2 10			BX	DC OUTPUT (GRP35, ELM55)	P02	
					1 33	2 3				FROM GRP20, ELM01 (BASIS B. TD)	P01	
					1 33	2 4				FROM GRP20, ELM01 (BASIS B. TD)	P01	
					1 35	18 1			U	WIRE FIELD		
					1 35	18 2			U	WIRE FIELD		
					1 35	18 3			L	WIRE FIELD		
					1 35	18 4			L	WIRE FIELD		
					1 35	18 5			L	WIRE FIELD		
					1 35	18 6			L	WIRE FIELD		
					1 35	18 7			L	WIRE FIELD		

STUDER A827 MCH

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF + 5.6			1	35	18	8				WIRE FIELD		
			1	35	18	9				WIRE FIELD		
			1	35	18	10				WIRE FIELD		
			1	35	18	11				WIRE FIELD		
			1	35	18	12				WIRE FIELD		
			1	35	20	3				TO GRP31, ELM01	P01	
			1	35	20	4				TO GRP31, ELM01	P01	
			1	35	21	3				TO GRP32, ELM01	P02	
			1	35	21	4				TO GRP32, ELM01	P02	
			1	35	30	1			BX	AUDIO RACK CH 1 TO 8	J01	
			1	35	31	1			BX	AUDIO RACK CH 9 TO 16	J02	
			1	35	32	1			BX	AUDIO RACK CH 17 TO 24	J03	
			1	35	33	1			BX		J04	
			1	35	34	1			BX		J05	
			1	35	55	9			AX	FROM GRP32, ELM02	P06	
			1	35	55	10			AX	FROM GRP32, ELM02	P06	
			1	35	59	1			M	TO GRP20, ELM70	P10	
			1	35	59	2			M	TO GRP20, ELM70	P10	
			1	35	61	1			AX	TO GRP21, ELM08	P12	
			1	35	1	3				TACHO SENSOR	P01	1.820.771.00
			1	36	1	4				TACHO SENSOR	P01	1.820.771.00
			1	37	1	3				TACHO SENSOR	P01	1.820.771.00
			1	37	1	4				TACHO SENSOR	P01	1.820.771.00
			1	39	1	3				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	1	4				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	42	1	3				FROM GRP20, ELM12 (BASIS B. TD)	P01	
			1	42	1	4				FROM GRP20, ELM12 (BASIS B. TD)	P01	
			1	43	1	3				FROM GRP20, ELM13 (BASIS B. TD)	P01	
			1	43	1	4				FROM GRP20, ELM13 (BASIS B. TD)	P01	
			1	44	1	3				FROM GRP20, ELM06	P01	
			1	44	1	4				FROM GRP20, ELM06	P01	
			1	44	2	4				OPTO SENSOR -82 ONLY	P02	
			1	45	1	3				FROM GRP20, ELM11	P01	
			1	45	1	4				FROM GRP20, ELM11	P01	
			1	46	1	3				FROM GRP20, ELM07	P01	
			1	46	1	4				FROM GRP20, ELM07	P01	
			1	47	1	3				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	47	1	4				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	48	1	3				FROM GRP50, ELM03 (DISPLAY DRIVER)	P01	
			1	48	1	4				FROM GRP50, ELM03 (DISPLAY DRIVER)	P01	
			1	50	1	3				FROM GRP20, ELM15 (BASIS B. TD)	P01	
			1	50	1	4				FROM GRP20, ELM15 (BASIS B. TD)	P01	
			1	50	2	3				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	2	4				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	3	3				CONNECTOR COMMAND UNIT	P02	
			1	50	3	4				CONNECTOR COMMAND UNIT	P02	
			1	51	1	2				FROM GRP50, ELM02 (DISPLAY DRIVER)	P01	
			1	51	1	4				FROM GRP50, ELM02 (DISPLAY DRIVER)	P01	
			1	59	1	9				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	60	1	3				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	60	1	4				FROM GR. 20 ELM 08	P01	
			1	60	1	4				FROM GR. 20 ELM 08	P01	
			1	60	2	3				FROM GR. 20 ELM 11	P02	
			1	60	2	4				FROM GR. 20 ELM 11	P02	

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 19 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF + 5.6			1	60	3	3				FROM GR. 20 ELM 10	P03	
			1	60	3	4				FROM GR. 20 ELM 10	P03	
			1	60	4	3				FROM GR. 20 ELM 09	P04	
			1	60	4	4				FROM GR. 20 ELM 09	P04	
			1	60	5	3				TO TAPE LIFT MOTOR, RIGHT	P05	
			1	60	5	4				TO TAPE LIFT MOTOR, RIGHT	P05	
			1	60	6	3				TO MOVE SENSOR	P06	
			1	60	6	4				TO MOVE SENSOR	P06	
			1	60	7	3				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
			1	60	7	4				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
			1	60	8	3				TO TACHO SENSOR SP. MOTOR LEFT	P08	
			1	60	8	4				TO TACHO SENSOR SP. MOTOR LEFT	P08	
			2	1	7	2				REPRODUCE HEAD, CH 01 TO 08	P07	
			2	1	8	2				REPRODUCE HEAD, CH 09 TO 16	P08	
			2	1	9	2				REPRODUCE HEAD, CH 17 TO 24	P09	
			2	1	10	2				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	1	10	15				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	2	1	2				INPUT	J01	
			2	2	2	2				OUTPUT	P01	
			2	3	1	2				INPUT	J01	
			2	3	2	2				OUTPUT	P01	
			2	4	1	2				INPUT	J01	
			2	4	2	2				OUTPUT	P01	
			1	1	20A					BASIS BOARD CONNECTOR CH1/2	P1	
			1	1	20B					BASIS BOARD CONNECTOR CH1/2	P1	
			1	2	20					HEAD BLOCK CABLE CONN. CH1/2	J1	
			3	2	1	20A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	2	1	20B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	2	2	20				HEAD BLOCK CABLE CONN. CH3/4	J1	
			3	3	1	20A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	3	1	20B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	3	2	20				HEAD BLOCK CABLE CONN. CH5/6	J1	
			3	4	1	20A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	4	1	20B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	4	2	20				HEAD BLOCK CABLE CONN. CH7/8	J1	
			3	5	1	3				AUDIO CONTROL CONNECTOR	P01	
			3	5	1	4				AUDIO CONTROL CONNECTOR	P01	
			3	5	2	3				VU PANEL CONTROL CONNECTOR	J01	
			3	5	2	4				VU PANEL CONTROL CONNECTOR	J01	
			3	5	4	6				POWER SUPPLY CONNECTOR	J02	
			3	5	11	20A				AUDIO ELECTRONICS CH1/2	J11	
			3	5	11	20B				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	20A				AUDIO ELECTRONICS CH3/4	J12	
			3	5	12	20B				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	20A				AUDIO ELECTRONICS CH5/6	J13	
			3	5	13	20B				AUDIO ELECTRONICS CH5/6	J13	
			3	5	14	20A				AUDIO ELECTRONICS CH7/8	J14	
			3	5	14	20B				AUDIO ELECTRONICS CH7/8	J14	
			4	1	1	20A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	1	1	20B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	1	2	20				HEAD BLOCK CABLE CONN. CH9/10	J1	
			4	2	1	20A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	2	1	20B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	2	2	20				HEAD BLOCK CABLE CONN. CH11/12	J1	

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 20 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MT	ASY	GRP	FIM	DNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			4	3	1	20A				BASIS BOARD CONNECTOR	CH13/14	J13
+ 5.6			4	3	1	20B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	2	20				HEAD BLOCK CABLE CONN.	CH13/14	J1
			4	4	1	20A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	20B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	2	20				HEAD BLOCK CABLE CONN.	CH15/16	J1
			4	5	1	3				AUDIO CONTROL CONNECTOR		P01
			4	5	1	4				AUDIO CONTROL CONNECTOR		P01
			4	5	2	3				VU PANEL CONTROL CONNECTOR		J01
			4	5	2	4				VU PANEL CONTROL CONNECTOR		J01
			4	5	4	6				POWER SUPPLY CONNECTOR		J02
			4	5	11	20A				AUDIO ELECTRONICS CH9/10		J11
			4	5	11	20B				AUDIO ELECTRONICS CH9/10		J11
			4	5	12	20A				AUDIO ELECTRONICS CH11/12		J12
			4	5	12	20B				AUDIO ELECTRONICS CH11/12		J12
			4	5	13	20A				AUDIO ELECTRONICS CH13/14		J13
			4	5	13	20B				AUDIO ELECTRONICS CH13/14		J13
			4	5	14	20A				AUDIO ELECTRONICS CH15/16		J14
			4	5	14	20B				AUDIO ELECTRONICS CH15/16		J14
			5	1	1	20A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	20B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	2	20				HEAD BLOCK CABLE CONN.	CH17/18	J1
			5	2	1	20A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	20B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	2	20				HEAD BLOCK CABLE CONN.	CH19/20	J1
			5	3	1	20A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	20B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	2	20				HEAD BLOCK CABLE CONN.	CH21/22	J1
			5	4	1	20A				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	1	20B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	2	20				HEAD BLOCK CABLE CONN.	CH23/24	J1
			5	5	1	3				AUDIO CONTROL CONNECTOR		P01
			5	5	1	4				AUDIO CONTROL CONNECTOR		P01
			5	5	2	3				VU PANEL CONTROL CONNECTOR		J01
			5	5	2	4				VU PANEL CONTROL CONNECTOR		J01
			5	5	4	6				POWER SUPPLY CONNECTOR		J02
			5	5	11	20A				AUDIO ELECTRONICS CH17/18		J11
			5	5	11	20B				AUDIO ELECTRONICS CH17/18		J11
			5	5	12	20A				AUDIO ELECTRONICS CH19/20		J12
			5	5	12	20B				AUDIO ELECTRONICS CH19/20		J12
			5	5	13	20A				AUDIO ELECTRONICS CH21/22		J13
			5	5	13	20B				AUDIO ELECTRONICS CH21/22		J13
			5	5	14	20A				AUDIO ELECTRONICS CH23/24		J14
			5	5	14	20B				AUDIO ELECTRONICS CH23/24		J14
			8	1	2	1				VU PANEL CONTROL CONN. CH 1-4		J02
			8	1	4	1				VU PANEL CONTROL CONN. CH 9-12		J04
			8	1	6	1				VU PANEL CONTROL CONN. CH 17-20		J06
			8	2	2	1				VU PANEL CONTROL CONN. CH 5-8		J02
			8	2	4	1				VU PANEL CONTROL CONN. CH 13-16		J04
			8	2	6	1				VU PANEL CONTROL CONN. CH 21-24		J06
+ 5V			1	38	1	9			F	FROM GRP39, ELM02		J01
			1	39	2	9			M	TO GRP38, ELM01 (CAPSTAN MOTOR)		P02

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 21 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNI	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
+STABIN	2		7	3	5	1			BX	AC CONTROL CONNECTOR	P05	54.25.0308
			7	8	9	1				CAPACITOR	C01	59.07.0004
			7	8	10	1				CAPACITOR	C02	59.07.0004
			7	8	11	1				CAPACITOR	C03	59.07.0004
			7	8	12	1			L	RESISTOR	R01	57.92.4152
	2		7	10	1	1			J	FUSE HOLDER / FUSE 16A	F01	51.01.0125
	2		7	10	2	1			J	FUSE HOLDER / FUSE 16A	F02	51.01.0125
	2		7	10	3	1			J	FUSE HOLDER / FUSE 6.3A	F03	51.01.0229
	2		7	10	4	1			J	FUSE HOLDER / FUSE 6.3A	F04	51.01.0229
+STABIN1			1	20	14	7				FUSE FAILURE DETECTOR	P14	
			1	20	14	8				FUSE FAILURE DETECTOR	P14	
	3		1	20	62	4			U	WIRE FIELD		
	3		1	20	70	17			F	FROM GRP35, ELM59	J13	
			1	30	1	4			BX	SUPPLY INPUT	J03	
			1	33	1	4			BX	SUPPLY INPUT	J03	
	2		1	35	11	1			U	WIRE FIELD		
	2		1	35	11	2			L	WIRE FIELD		
			1	35	11	3			L	WIRE FIELD		
			1	35	11	4			L	WIRE FIELD		
	2		1	35	57	4			AX	FROM GRP30, ELM01	P03	
	2		1	35	57	4			AX	TO GRP33, ELM01	P08	
	2		1	35	58	1			AX	FROM ASY07, GRP11, ELM01	P09	
	2		1	35	59	17			M	TO GRP20, ELM70	P10	
			1	59	1	7				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	59	1	8				FROM GRP20, ELM14 (BASIS B. TD)	P01	
	2		7	3	5	7			BX	AC CONTROL CONNECTOR	P05	54.25.0308
	2		7	3	5	8			BX	AC CONTROL CONNECTOR	P05	54.25.0308
	2		7	10	1	2			J	FUSE HOLDER / FUSE 16A	F01	51.01.0125
	2		7	11	1	1			BX	DC OUTPUT CONNECTOR	J02	54.25.0310
+STABIN2			1	20	14	5				FUSE FAILURE DETECTOR	P14	
	5		1	20	62	5			U	WIRE FIELD		
	5		1	20	70	18			F	FROM GRP35, ELM59	J13	
			1	31	3	3			BX	DC INPUT (GRP35, ELM54)	P03	
			1	31	3	4			BX	DC INPUT (GRP35, ELM54)	P03	
	2		1	35	10	1			U	WIRE FIELD		
	2		1	35	10	2			L	WIRE FIELD		
	2		1	35	10	3			L	WIRE FIELD		
	2		1	35	10	4			L	WIRE FIELD		
	2		1	35	54	3			AX	TO GRP31, ELM03	P05	
	2		1	35	54	4			AX	TO GRP31, ELM03	P05	
	2		1	35	58	3			AX	FROM ASY07, GRP11, ELM01	P09	
	2		1	35	59	18			M	TO GRP20, ELM70	P10	
			1	59	1	5				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			7	10	2	2			J	FUSE HOLDER / FUSE 16A	F02	51.01.0125
			7	11	1	3			BX	DC OUTPUT CONNECTOR	J02	54.25.0310
+STABIN3			1	20	14	1				FUSE FAILURE DETECTOR	P14	
			1	20	14	2				FUSE FAILURE DETECTOR	P14	
	2		1	20	62	6			L	WIRE FIELD		
	2		1	20	62	7			L	WIRE FIELD		
	2		1	20	70	24			F	FROM GRP35, ELM59	J13	
	2		1	20	71	6			F	TO CAPSTAN MOTOR DRIVE AMPLIFIER	P24	
			1	32	3	2			BX	DC INPUT (GRP35, ELM56)	P03	

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<--- CONT.OF +STABIN3	2		1	35	7	1			U	WIRE FIELD		
	2		1	35	7	2			L	WIRE FIELD		
	2		1	35	7	3			L	WIRE FIELD		
			1	35	7	4				WIRE FIELD		
			1	35	7	5				WIRE FIELD		
			1	35	7	6				WIRE FIELD		
			1	35	7	7				WIRE FIELD		
			1	35	7	8				WIRE FIELD		
	2		1	35	56	2			AX	TO GRP32, ELM03	P07	
	2		1	35	58	5			AX	FROM ASY07, GRP11, ELM01	P09	
	2		1	35	59	24			M	TO GRP20, ELM70	P10	
			1	39	3	6			M	FROM GRP20, ELM71 (BASIS B. TD)	P03	
			1	59	1	2				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	59	1	2				FROM GRP20, ELM14 (BASIS B. TD)	P01	
	2		7	10	3	2			J	FUSE HOLDER / FUSE 6.3A	F03	51.01.0229
	2		7	11	1	5			BX	DC OUTPUT CONNECTOR	J02	54.25.0310
+STABIN4			1	20	16	5				PARALLEL REMOTE INTERFACE	P16	
			1	20	16	6				PARALLEL REMOTE INTERFACE	P16	
	8		1	20	62	10			L	WIRE FIELD		
	8		1	20	70	16			F	FROM GRP35, ELM59	J13	
			1	24	3	4			BX	FROM GRP 35		
			1	24	4	6				WIRE FIELD		
			1	24	4	7				WIRE FIELD		
			1	24	4	8				WIRE FIELD		
			1	24	11	28			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	11	29			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	11	30			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	11	31			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	11	32			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	12	4				CONN. AUDIO PARALLEL IF		
			1	24	12	5				CONN. AUDIO PARALLEL IF		
			1	24	12	6				CONN. AUDIO PARALLEL IF		
			1	25	7	9			B	CONN. AUTOLocator, REMOTE TIMER	J01	
			1	26	1	3				FROM PAR. REM. IF	P01	
			1	26	2	8				TO GRP25, ELM01 (REMOTE PANEL)	P02	
			1	27	1	3				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
			1	27	2	5				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	27	2	6				FROM GRP20, ELM16 (BASIS BOARD)	P02	
	2		1	35	3	1			U	WIRE FIELD		
	2		1	35	3	2			U	WIRE FIELD		
	2		1	35	3	3			U	WIRE FIELD		
	2		1	35	3	4			U	WIRE FIELD		
	2		1	35	3	5			U	WIRE FIELD		
	2		1	35	3	6			U	WIRE FIELD		
	2		1	35	3	7			U	WIRE FIELD		
	2		1	35	3	8			U	WIRE FIELD		
	2		1	35	3	9			U	WIRE FIELD		
	2		1	35	3	10			U	WIRE FIELD		
	2		1	35	3	11			U	WIRE FIELD		
	2		1	35	3	12			U	WIRE FIELD		
	2		1	35	3	13			L	WIRE FIELD		
	2		1	35	3	14			L	WIRE FIELD		
	1		1	35	51	4			L	CONN. TO REMOTE CTL. CONNECTOR BOARD		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<--- CONT.OF +STABIN4	2		1	35	58	7			AX	FROM ASY07, GRP11, ELM01	P09	
	2		1	35	59	16			M	TO GRP20, ELM70	P10	
	2		7	10	4	2			J	FUSE HOLDER / FUSE 6.3A	F04	51.01.0229
	2		7	11	1	7			BX	DC OUTPUT CONNECTOR	J02	54.25.0310
+VMOT			1	29	1	2			BX	FROM SP. M. DRIVE AMPL. RIGHT	J01	
			1	29	2	2			BX	TO SPOOLING MOTOR RIGHT	J02	
			1	29	3	2			BX	FROM SP. M. DRIVE AMPL. LEFT	J03	
			1	29	4	2			BX	TO SPOOLING MOTOR LEFT	J04	
			1	30	3	2			BX	OUTPUT (MOTOR RIGHT)	J01	
			1	30	4	1			BX	OUTPUT (MOTOR LEFT)	J02	
			1	30	3	2			BX	OUTPUT (MOTOR RIGHT)	J01	
			1	32	4	1			BX	OUTPUT (MOTOR LEFT)	J02	
	2		1	32	2	1			AX	FROM GRP33, ELM 03	P02	
	2		1	37	2	1			AX	FROM GRP30, ELM 03	P02	
+YSUP			1	20	43	12A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
+0.0			1	21	10	14				TO GRP24, ELM03	P05	
			1	21	11	14				TO GRP24, ELM02	P06	
			1	21	12	14				TO GRP24, ELM01	P07	
+0.0SENS	0		1	20	61	5			L	WIRE FIELD (FROM GRP20, ELM70)		
	0		1	20	70	22			F	FROM GRP35, ELM59	J13	
			1	32	1	9				FROM DISTRIBUTION BOARD (ELM21)	P01	
+15.0			1	20	1	5				SPOOLING M. DRIVE AMP. LEFT	P01	
			1	20	2	5				SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	20	3	5				CAPSTAN M. DRIVE AMPLIFIER	P03	
			1	20	4	5				PAR. CONT. INT. SYNCHRONIZER	P04	
			1	20	6	5				OPTO + EXTENDED SENSORS	P06	
			1	20	9	5				TACHO SENSOR SPOOLING M. LEFT	P09	
			1	20	10	5				TACHO SENSOR SPOOLING M. RIGHT	P10	
			1	20	11	5				MOVE SENSOR	P11	
			1	20	12	5				TAPE TENSION SENSOR, LEFT	P12	
			1	20	13	5				TAPE TENSION SENSOR, RIGHT	P13	
			1	20	14	14				FUSE FAILURE DETECTOR	P14	
			1	20	17	5				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	18	5				RESERVE	P18	
			1	20	19	5				MECHANICAL ELAPSED TIMER	P19	
			1	20	40	18				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	41	18				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	15A				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	42	15B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	15A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	43	15B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	18				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	18				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	18				MP-UNIT TO CONTROL MCH	J07	1.820.781.00
			1	20	47	18				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	48	15A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	48	15B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	18				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	18				SNIPTE/EBU INTERFACE	J11	1.820.751.00

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF +15.0	2		1	20	61	10			L	WIRE FIELD (FROM GRP20, ELM70)		
	2		1	20	70	11			F	FROM GRP35, ELM59	J13	
			1	21	8	5			BX	FROM GRP35, ELM61	J01	
			1	21	20	18				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	22	18				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	50	5				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	51	5				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	52	5				TO AUDIO RACK CH 17 TO 24	P12	
			1	28	1	5				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	5				TO VU-METER PANEL	P02	
			1	29	5	5				FROM GRP20, ELM02 (BASIS B. TD)	P01	
			1	29	6	5				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	30	2	5				FROM GRP29, ELM06	P01	
			1	31	1	5				FROM DISTRIBUTION BOARD (ELM20)	P01	
			1	31	2	5			BX	DC OUTPUT (GRP35, ELM53)	P02	
			1	31	2	6			BX	DC OUTPUT (GRP35, ELM53)	P02	
			1	32	1	5				FROM DISTRIBUTION BOARD (ELM21)	P01	
			1	33	2	5				FROM GRP20, ELM01 (BASIS B. TD)	P01	
	2		1	35	17	1			U	WIRE FIELD		
	2		1	35	17	2			L	WIRE FIELD		
	2		1	35	17	3			L	WIRE FIELD		
	2		1	35	17	4			L	WIRE FIELD		
			1	35	17	5				WIRE FIELD		
			1	35	17	6				WIRE FIELD		
			1	35	17	7				WIRE FIELD		
			1	35	17	8				WIRE FIELD		
			1	35	17	9				WIRE FIELD		
			1	35	20	5				TO GRP31, ELM01	P01	
			1	35	21	5				TO GRP32, ELM01	P02	
			1	35	30	5			BX	AUDIO RACK CH 1 TO 8	J01	
			1	35	31	5			BX	AUDIO RACK CH 9 TO 16	J02	
			1	35	32	5			BX	AUDIO RACK CH 17 TO 24	J03	
			1	35	33	5			BX		J04	
			1	35	34	5			BX		J05	
	2		1	35	53	5			AX	FROM GRP31, ELM02	P04	
	2		1	35	53	6			AX	FROM GRP31, ELM02	P04	
	2		1	35	59	11			M	TO GRP20, ELM70	P10	
	2		1	35	61	5			AX	TO GRP21, ELM08	P12	
			1	36	1	5				TACHO SENSOR	P01	1.820.771.00
			1	37	1	5				TACHO SENSOR	P01	1.820.771.00
			1	38	1	6			F	FROM GRP39, ELM02	J01	
			1	39	1	5				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	2	6			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
			1	42	1	5				FROM GRP20, ELM12 (BASIS B. TD)	P01	
			1	43	1	5				FROM GRP20, ELM13 (BASIS B. TD)	P01	
			1	44	1	5				FROM GRP20, ELM06	P01	
			1	45	1	5				FROM GRP20, ELM11	P01	
			1	59	1	14				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	60	2	5				FROM GR. 20 ELM 11	P02	
			1	60	3	5				FROM GR. 20 ELM 10	P03	
			1	60	4	5				FROM GR. 20 ELM 09	P04	
			1	60	6	5				TO MOVE SENSOR	P06	
			1	60	7	5				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
			1	60	8	5				TO TACHO SENSOR SP. MOTOR LEFT	P08	

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF +15.0			2	1	7	3				REPRODUCE HEAD, CH 01 TO 08	P07	
			2	1	8	3				REPRODUCE HEAD, CH 09 TO 16	P08	
			2	1	9	3				REPRODUCE HEAD, CH 17 TO 24	P09	
			2	1	10	3				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	2	1	3				INPUT	J01	
			2	2	2	3				OUTPUT	P01	
			2	3	1	3				INPUT	J01	
			2	3	2	3				OUTPUT	P01	
			2	4	1	3				INPUT	J01	
			2	4	2	3				OUTPUT	P01	
			1	1	8A					BASIS BOARD CONNECTOR CH1/2	P1	
			1	1	8B					BASIS BOARD CONNECTOR CH1/2	P1	
			1	1	25A					BASIS BOARD CONNECTOR CH1/2	P1	
			1	1	25B					BASIS BOARD CONNECTOR CH1/2	P1	
			1	2	8					HEAD BLOCK CABLE CONN. CH1/2	J1	
			2	1	8A					BASIS BOARD CONNECTOR CH3/4	J12	
			2	1	8B					BASIS BOARD CONNECTOR CH3/4	J12	
			2	1	25A					BASIS BOARD CONNECTOR CH3/4	J12	
			2	1	25B					BASIS BOARD CONNECTOR CH3/4	J12	
			2	2	8					HEAD BLOCK CABLE CONN. CH3/4	J1	
			3	1	8A					BASIS BOARD CONNECTOR CH5/6	J13	
			3	1	8B					BASIS BOARD CONNECTOR CH5/6	J13	
			3	1	25A					BASIS BOARD CONNECTOR CH5/6	J13	
			3	1	25B					BASIS BOARD CONNECTOR CH5/6	J13	
			3	2	8					HEAD BLOCK CABLE CONN. CH5/6	J1	
			4	1	8A					BASIS BOARD CONNECTOR CH7/8	J14	
			4	1	8B					BASIS BOARD CONNECTOR CH7/8	J14	
			4	1	25A					BASIS BOARD CONNECTOR CH7/8	J14	
			4	1	25B					BASIS BOARD CONNECTOR CH7/8	J14	
			4	2	8					HEAD BLOCK CABLE CONN. CH7/8	J1	
			5	1	5					AUDIO CONTROL CONNECTOR	P01	
			5	3	5					VU PANEL AUDIO CONNECTOR	J05	
			5	3	6					VU PANEL AUDIO CONNECTOR	J03	
			5	4	3					POWER SUPPLY CONNECTOR	J02	
			5	11	8A					AUDIO ELECTRONICS CH1/2	J11	
			5	11	8B					AUDIO ELECTRONICS CH1/2	J11	
			5	11	25A					AUDIO ELECTRONICS CH1/2	J11	
			5	11	25B					AUDIO ELECTRONICS CH1/2	J11	
			5	12	8A					AUDIO ELECTRONICS CH3/4	J12	
			5	12	8B					AUDIO ELECTRONICS CH3/4	J12	
			5	12	25A					AUDIO ELECTRONICS CH3/4	J12	
			5	12	25B					AUDIO ELECTRONICS CH3/4	J12	
			5	13	8A					AUDIO ELECTRONICS CH5/6	J13	
			5	13	8B					AUDIO ELECTRONICS CH5/6	J13	
			5	13	25A					AUDIO ELECTRONICS CH5/6	J13	
			5	13	25B					AUDIO ELECTRONICS CH5/6	J13	
			5	14	8A					AUDIO ELECTRONICS CH7/8	J14	
			5	14	8B					AUDIO ELECTRONICS CH7/8	J14	
			5	14	25A					AUDIO ELECTRONICS CH7/8	J14	
			5	14	25B					AUDIO ELECTRONICS CH7/8	J14	
			4	1	8A					BASIS BOARD CONNECTOR CH9/10	P1	
			4	1	8B					BASIS BOARD CONNECTOR CH9/10	P1	
			4	1	25A					BASIS BOARD CONNECTOR CH9/10	P1	
			4	1	25B					BASIS BOARD CONNECTOR CH9/10	P1	

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 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 26 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASV	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF +15.0			4	1	2	8				HEAD BLOCK CABLE CONN.	CH9/10	J1
			4	2	1	8A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	8B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	25A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	25B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	2	8				HEAD BLOCK CABLE CONN.	CH11/12	J1
			4	3	1	8A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	8B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	25A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	25B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	2	8				HEAD BLOCK CABLE CONN.	CH13/14	J1
			4	4	1	8A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	8B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	25A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	25B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	2	8				HEAD BLOCK CABLE CONN.	CH15/16	J1
			4	5	1	5				AUDIO CONTROL CONNECTOR		P01
			4	5	3	5				VU PANEL AUDIO CONNECTOR		J03
			4	5	3	6				VU PANEL AUDIO CONNECTOR		J03
			4	5	4	3				POWER SUPPLY CONNECTOR		J02
			4	5	11	8A				AUDIO ELECTRONICS CH9/10		J11
			4	5	11	8B				AUDIO ELECTRONICS CH9/10		J11
			4	5	11	25A				AUDIO ELECTRONICS CH9/10		J11
			4	5	11	25B				AUDIO ELECTRONICS CH9/10		J11
			4	5	12	8A				AUDIO ELECTRONICS CH11/12		J12
			4	5	12	8B				AUDIO ELECTRONICS CH11/12		J12
			4	5	12	25A				AUDIO ELECTRONICS CH11/12		J12
			4	5	12	25B				AUDIO ELECTRONICS CH11/12		J12
			4	5	13	8A				AUDIO ELECTRONICS CH13/14		J13
			4	5	13	8B				AUDIO ELECTRONICS CH13/14		J13
			4	5	13	25A				AUDIO ELECTRONICS CH13/14		J13
			4	5	13	25B				AUDIO ELECTRONICS CH13/14		J13
			4	5	14	8A				AUDIO ELECTRONICS CH15/16		J14
			4	5	14	8B				AUDIO ELECTRONICS CH15/16		J14
			4	5	14	25A				AUDIO ELECTRONICS CH15/16		J14
			4	5	14	25B				AUDIO ELECTRONICS CH15/16		J14
			5	1	1	8A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	8B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	25A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	25B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	2	8				HEAD BLOCK CABLE CONN.	CH17/18	J1
			5	2	1	8A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	8B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	25A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	25B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	2	8				HEAD BLOCK CABLE CONN.	CH19/20	J1
			5	3	1	8A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	8B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	25A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	25B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	2	8				HEAD BLOCK CABLE CONN.	CH21/22	J1
			5	4	1	8A				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	1	8B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	1	25A				BASIS BOARD CONNECTOR	CH23/24	J14

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SIGNAL NAME	COLOR	MI	ASV	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF +15.0			5	4	1	25B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	2	8				HEAD BLOCK CABLE CONN.	CH23/24	J1
			5	5	1	5				AUDIO CONTROL CONNECTOR		P01
			5	5	3	5				VU PANEL AUDIO CONNECTOR		J03
			5	5	3	6				VU PANEL AUDIO CONNECTOR		J03
			5	5	4	3				POWER SUPPLY CONNECTOR		J02
			5	5	11	8A				AUDIO ELECTRONICS CH17/18		J11
			5	5	11	8B				AUDIO ELECTRONICS CH17/18		J11
			5	5	11	25A				AUDIO ELECTRONICS CH17/18		J11
			5	5	11	25B				AUDIO ELECTRONICS CH17/18		J11
			5	5	12	8A				AUDIO ELECTRONICS CH19/20		J12
			5	5	12	8B				AUDIO ELECTRONICS CH19/20		J12
			5	5	12	25A				AUDIO ELECTRONICS CH19/20		J12
			5	5	12	25B				AUDIO ELECTRONICS CH19/20		J12
			5	5	13	8A				AUDIO ELECTRONICS CH21/22		J13
			5	5	13	8B				AUDIO ELECTRONICS CH21/22		J13
			5	5	13	25A				AUDIO ELECTRONICS CH21/22		J13
			5	5	13	25B				AUDIO ELECTRONICS CH21/22		J13
			5	5	14	8A				AUDIO ELECTRONICS CH23/24		J14
			5	5	14	8B				AUDIO ELECTRONICS CH23/24		J14
			5	5	14	25A				AUDIO ELECTRONICS CH23/24		J14
			5	5	14	25B				AUDIO ELECTRONICS CH23/24		J14
			8	1	1	6				VU PANEL AUDIO CONN. CH 1-4		J01
			8	1	3	6				VU PANEL AUDIO CONN. CH 9-12		J03
			8	1	5	6				VU PANEL AUDIO CONN. CH 17-20		J05
			8	2	1	6				VU PANEL AUDIO CONN. CH 5-8		J01
			8	2	3	6				VU PANEL AUDIO CONN. CH 13-16		J03
			8	2	5	6				VU PANEL AUDIO CONN. CH 21-24		J05
+15.0T			1	28	3	1				TO MECHANICAL TIMER		P03
+24.0			1	20	14	4				FUSE FAILURE DETECTOR		P14
			1	20	15	5				DISPLAY DRIVER		P15
			1	20	15	6				DISPLAY DRIVER		P15
			1	20	17	24				TO HEAD BLOCK ASSEMBLY		P17
			1	20	18	24				RESERVE		P18
			1	20	62	11				WIRE FIELD		
			1	20	62	12			U	WIRE FIELD		
			1	20	62	13			U	WIRE FIELD		
			1	20	70	15			F	FROM GRP35, ELM59		J13
			1	20	72	1			F	TO BRAKE SOLENOID, LEFT		P25
			1	20	72	1			F	TO BRAKE SOLENOID, RIGHT		P26
			1	21	10	12				TO GRP24, ELM03		P05
			1	21	11	12				TO GRP24, ELM02		P06
			1	21	12	12				TO GRP24, ELM01		P07
			1	25	1	14				NRS CONTROL CONN. CH 1 TO 8		
			1	25	2	14				NRS CONTROL CONN. CH 9 TO 16		
			1	25	3	14				NRS CONTROL CONN. CH 17 TO 24		
			1	32	2	2			BX	DC OUTPUT (GRP35, ELM55)		P02
			7	1	35	4			U	WIRE FIELD		
			7	1	35	4			L	WIRE FIELD		
			1	35	4	3				WIRE FIELD		
			7	1	35	4			L	WIRE FIELD		
			1	35	55	2			AX	FROM GRP32, ELM02		P06

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF +24.0	7		1	35	59	15			M	TO GRP20, ELM70	P10	
	7		1	40	1	1			M	BRAKE SOLENOID		
	7		1	41	1	1			M	BRAKE SOLENOID		
			1	50	1	5				FROM GRP20, ELM15 (BASIS B. TD)	P01	
			1	50	1	6				FROM GRP20, ELM15 (BASIS B. TD)	P01	
			1	59	1	4				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			2	1	10	25				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			3	1	1	21A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	1	1	21B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	2	1	21A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	2	1	21B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	3	1	21A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	3	1	21B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	4	1	21A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	4	1	21B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	4	4				POWER SUPPLY CONNECTOR	J02	
			3	5	11	21A				AUDIO ELECTRONICS CH1/2	J11	
			3	5	11	21B				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	21A				AUDIO ELECTRONICS CH3/4	J12	
			3	5	12	21B				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	21A				AUDIO ELECTRONICS CH5/6	J13	
			3	5	13	21B				AUDIO ELECTRONICS CH5/6	J13	
			3	5	14	21A				AUDIO ELECTRONICS CH7/8	J14	
			3	5	14	21B				AUDIO ELECTRONICS CH7/8	J14	
			4	1	1	21A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	1	1	21B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	2	1	21A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	2	1	21B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	3	1	21A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	3	1	21B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	4	1	21A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	4	1	21B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	4	4				POWER SUPPLY CONNECTOR	J02	
			4	5	11	21A				AUDIO ELECTRONICS CH9/10	J11	
			4	5	11	21B				AUDIO ELECTRONICS CH9/10	J11	
			4	5	12	21A				AUDIO ELECTRONICS CH11/12	J12	
			4	5	12	21B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	21A				AUDIO ELECTRONICS CH13/14	J13	
			4	5	13	21B				AUDIO ELECTRONICS CH13/14	J13	
			4	5	14	21A				AUDIO ELECTRONICS CH15/16	J14	
			4	5	14	21B				AUDIO ELECTRONICS CH15/16	J14	
			5	1	1	21A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	1	1	21B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	2	1	21A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	2	1	21B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	3	1	21A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	3	1	21B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	4	1	21A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	4	1	21B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	4	4				POWER SUPPLY CONNECTOR	J02	
			5	5	11	21A				AUDIO ELECTRONICS CH17/18	J11	
			5	5	11	21B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	21A				AUDIO ELECTRONICS CH19/20	J12	
			5	5	12	21B				AUDIO ELECTRONICS CH19/20	J12	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF +24.0			5	5	13	21A				AUDIO ELECTRONICS CH21/22	J13	
			5	5	13	21B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	21A				AUDIO ELECTRONICS CH23/24	J14	
			5	5	14	21B				AUDIO ELECTRONICS CH23/24	J14	
+24.0L			1	48	1	5				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	3	1				WIRE FIELD		
			1	48	3	2				WIRE FIELD		
			1	50	3	5				CONNECTOR COMMAND UNIT	P02	
+24.0NRS			1	21	8	10			BX	FROM GRP35, ELM61	J01	
			1	31	2	8			BX	DC OUTPUT (GRP35, ELM53)	P02	
			1	35	15	1			L	WIRE FIELD		
			1	35	15	2				WIRE FIELD		
			1	35	15	3				WIRE FIELD		
			1	35	15	4				WIRE FIELD		
			1	35	15	5				WIRE FIELD		
			1	35	15	6				WIRE FIELD		
			1	35	30	10			BX	AUDIO RACK CH 1 TO 8	J01	
			1	35	31	10			BX	AUDIO RACK CH 9 TO 16	J02	
			1	35	32	10			BX	AUDIO RACK CH 17 TO 24	J03	
			1	35	33	10			BX		J04	
			1	35	34	10			BX		J05	
			7	1	35	53	8		AX	FROM GRP31, ELM02	P04	
			7	1	35	61	10		AX	TO GRP21, ELM08	P12	
+24.0REM			1	23	8	25			B	CONN. PARALLEL REMOTE CONTROL	J07	
			1	24	1	24				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
			1	24	2	24				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	9	25			B	CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	24	10	25			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	25			D	CONN. AUDIO REMOTE CONTROL	J03	
			1	27	3	24				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
			1	27	4	24				TO GRP24, ELM02 (PAR. REMOTE CTL)	P03	
+26.0			1	20	7	5				TAPE LIFT MOTOR, LEFT	P07	
			1	20	8	5				TAPE LIFT MOTOR, RIGHT	P08	
			1	20	14	15				FUSE FAILURE DETECTOR	P14	
			1	20	61	2			L	WIRE FIELD (FROM GRP20, ELM70)		
			1	20	70	20			F	FROM GRP35, ELM59	J13	
			1	32	2	5			BX	DC OUTPUT (GRP35, ELM55)	P02	
			1	35	5	1			U	WIRE FIELD		
			1	35	5	2			L	WIRE FIELD		
			1	35	5	3				WIRE FIELD		
			1	35	5	4				WIRE FIELD		
			1	35	55	5			AX	FROM GRP32, ELM02	P06	
			1	35	59	20			M	TO GRP20, ELM70	P10	
			1	46	1	5				FROM GRP20, ELM07	P01	
			1	47	1	5				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	59	1	15				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	60	1	5				FROM GR. 20 ELM 08	P01	
			1	60	5	5				TO TAPE LIFT MOTOR, RIGHT	P05	

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SIGNAL NAME	COLOR	MT	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
+5.6SENS	4		1	20	62	3			L	WIRE FIELD		
	4		1	20	70	3			F	FROM GRP35, ELM59	J13	
			1	32	1	10				FROM DISTRIBUTION BOARD (ELM21)	P01	
-VMOT			1	29	1	1			BX	FROM SP. M. DRIVE AMPL. RIGHT	J01	
			1	29	2	1			BX	TO SPOOLING MOTOR RIGHT	J02	
			1	29	3	1			BX	FROM SP. M. DRIVE AMPL. LEFT	J03	
			1	29	4	1			BX	TO SPOOLING MOTOR LEFT	J04	
			1	30	3	1			BX	OUTPUT (MOTOR RIGHT)	J01	
			1	30	4	2			BX	OUTPUT (MOTOR LEFT)	J02	
			1	33	3	1			BX	OUTPUT (MOTOR RIGHT)	J01	
			1	33	4	2			BX	OUTPUT (MOTOR LEFT)	J02	
	0		1	36	2	2			AX	FROM GRP33, ELM 03	P02	
	0		1	37	2	2			AX	FROM GRP30, ELM 03	P02	
-YSUP			1	20	43	11A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
-15.0			1	20	1	6				SPOOLING M. DRIVE AMP. LEFT	P01	
			1	20	2	6				SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	20	3	6				CAPSTAN M. DRIVE AMPLIFIER	P03	
			1	20	4	6				PAR. CONT. INT. SYNCHRONIZER	P04	
			1	20	6	6				OPTO + EXTENDED SENSORS	P06	
			1	20	9	6				TACHO SENSOR SPOOLING M. LEFT	P09	
			1	20	10	6				TACHO SENSOR SPOOLING M. RIGHT	P10	
			1	20	11	6				MOVE SENSOR	P11	
			1	20	12	6				TAPE TENSION SENSOR, LEFT	P12	
			1	20	13	6				TAPE TENSION SENSOR, RIGHT	P13	
			1	20	14	13				FUSE FAILURE DETECTOR	P14	
			1	20	17	6				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	18	6				RESERVE	P18	
			1	20	19	6				MECHANICAL ELAPSED TIMER	P19	
			1	20	40	22				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	41	22				TAPE DECK CONTROL UNIT	J02	1.820.764.00
			1	20	42	18A				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	42	18B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	18A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	43	18B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	22				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	22				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	47	22				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	48	18A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	48	18B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	50	22				SMPTE/EBU INTERFACE	J11	1.820.751.00
	6		1	20	61	9			L	WIRE FIELD (FROM GRP20, ELM70)		
	6		1	20	70	12			F	FROM GRP35, ELM59	J13	
			1	21	8	7			BX	FROM GRP35, ELM61	J01	
			1	21	20	22				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	22	22				GENERATOR UNIT MCH	P17	1.827.725.00
			1	21	50	6				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	51	6				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	52	6				TO AUDIO RACK CH 17 TO 24	P12	
			1	28	1	6				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	6				TO VU-METER PANEL	P02	
			1	29	5	6				FROM GRP20, ELM02 (BASIS B. TD)	P01	
			1	29	6	6				TO SPOOLING M. DRIVE AMP. RIGHT	P02	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			1	30	2	6				FROM GRP29, ELM06	P01	
-15.0			1	31	1	6				FROM DISTRIBUTION BOARD (ELM20)	P01	
			1	31	2	1			BX	DC OUTPUT (GRP35, ELM53)	P02	
			1	31	2	2			BX	DC OUTPUT (GRP35, ELM53)	P02	
			1	32	1	6				FROM DISTRIBUTION BOARD (ELM21)	P01	
			1	33	2	6				FROM GRP20, ELM01 (BASIS B. TD)	P01	
	6		1	35	16	1			U	WIRE FIELD		
	6		1	35	16	2			L	WIRE FIELD		
	6		1	35	16	3			L	WIRE FIELD		
	6		1	35	16	4			L	WIRE FIELD		
			1	35	16	5				WIRE FIELD		
			1	35	16	6				WIRE FIELD		
			1	35	16	7				WIRE FIELD		
			1	35	16	8				WIRE FIELD		
			1	35	16	9				WIRE FIELD		
			1	35	20	6				TO GRP31, ELM01	P01	
			1	35	21	6				TO GRP32, ELM01	P02	
			1	35	30	7			BX	AUDIO RACK CH 1 TO 8	J01	
			1	35	31	7			BX	AUDIO RACK CH 9 TO 16	J02	
			1	35	32	7			BX	AUDIO RACK CH 17 TO 24	J03	
			1	35	33	7			BX		J04	
			1	35	34	7			BX		J05	
	6		1	35	53	1			AX	FROM GRP31, ELM02	P04	
	6		1	35	53	2			AX	FROM GRP31, ELM02	P04	
	6		1	35	59	12			M	TO GRP20, ELM70	P10	
	6		1	35	61	7			AX	TO GRP21, ELM08	P12	
			1	36	1	6				TACHO SENSOR	P01	1.820.771.00
			1	37	1	6				TACHO SENSOR	P01	1.820.771.00
			1	39	1	6				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	2	5			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
			1	42	1	6				FROM GRP20, ELM12 (BASIS B. TD)	P01	
			1	43	1	6				FROM GRP20, ELM13 (BASIS B. TD)	P01	
			1	44	1	6				FROM GRP20, ELM06	P01	
			1	45	1	6				FROM GRP20, ELM11	P01	
			1	59	1	13				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	60	2	6				FROM GR. 20 ELM 11	P02	
			1	60	3	6				FROM GR. 20 ELM 10	P03	
			1	60	4	6				FROM GR. 20 ELM 09	P04	
			1	60	6	6				TO MOVE SENSOR	P06	
			1	60	7	6				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
			2	1	7	15				TO TACHO SENSOR SP. MOTOR LEFT	P08	
			2	1	8	15				REPRODUCE HEAD, CH 01 TO 08	P07	
			2	1	9	15				REPRODUCE HEAD, CH 09 TO 16	P08	
			2	1	10	16				REPRODUCE HEAD, CH 17 TO 24	P09	
			2	2	1	15				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
			2	2	2	15				INPUT	J01	
			2	2	2	15				OUTPUT	P01	
			2	3	1	15				INPUT	J01	
			2	3	2	15				OUTPUT	P01	
			2	4	1	15				INPUT	J01	
			2	4	2	15				OUTPUT	P01	
			3	1	1	9A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	1	1	9B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	1	1	26A				BASIS BOARD CONNECTOR CH1/2	P1	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF -15.0			3	1	1	26B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	1	2	6				HEAD BLOCK CABLE CONN.	CH1/2	J1
			3	2	1	9A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	9B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	26A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	26B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	2	6				HEAD BLOCK CABLE CONN.	CH3/4	J1
			3	3	1	9A				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	1	9B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	1	26A				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	1	26B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	2	6				HEAD BLOCK CABLE CONN.	CH5/6	J1
			3	4	1	9A				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	9B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	26A				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	26B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	2	6				HEAD BLOCK CABLE CONN.	CH7/8	J1
			3	5	1	6				AUDIO CONTROL CONNECTOR		P01
			3	5	3	1				VU PANEL AUDIO CONNECTOR		J03
			3	5	3	2				VU PANEL AUDIO CONNECTOR		J03
			3	5	4	1				POWER SUPPLY CONNECTOR		J02
			3	5	11	9A				AUDIO ELECTRONICS	CH1/2	J11
			3	5	11	9B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	11	26A				AUDIO ELECTRONICS	CH1/2	J11
			3	5	11	26B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	9A				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	9B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	26A				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	26B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	9A				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	9B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	26A				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	26B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	9A				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	9B				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	26A				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	26B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	9A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	9B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	26A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	26B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	2	6				HEAD BLOCK CABLE CONN.	CH9/10	J1
			4	2	1	9A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	9B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	26A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	26B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	2	6				HEAD BLOCK CABLE CONN.	CH11/12	J1
			4	3	1	9A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	9B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	26A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	26B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	6				HEAD BLOCK CABLE CONN.	CH13/14	J1
			4	4	1	9A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	9B				BASIS BOARD CONNECTOR	CH15/16	J14

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF -15.0			4	4	1	26A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	26B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	2	6				HEAD BLOCK CABLE CONN.	CH15/16	J1
			4	5	1	6				AUDIO CONTROL CONNECTOR		P01
			4	5	3	1				VU PANEL AUDIO CONNECTOR		J03
			4	5	3	2				VU PANEL AUDIO CONNECTOR		J03
			4	5	4	1				POWER SUPPLY CONNECTOR		J02
			4	5	11	9A				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	9B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	26A				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	26B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	12	9A				AUDIO ELECTRONICS	CH11/12	J12
			4	5	12	9B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	12	26A				AUDIO ELECTRONICS	CH11/12	J12
			4	5	12	26B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	9A				AUDIO ELECTRONICS	CH13/14	J13
			4	5	13	9B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	13	26A				AUDIO ELECTRONICS	CH13/14	J13
			4	5	13	26B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	9A				AUDIO ELECTRONICS	CH15/16	J14
			4	5	14	9B				AUDIO ELECTRONICS	CH15/16	J14
			4	5	14	26A				AUDIO ELECTRONICS	CH15/16	J14
			4	5	14	26B				AUDIO ELECTRONICS	CH15/16	J14
			5	1	1	9A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	9B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	26A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	26B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	2	6				HEAD BLOCK CABLE CONN.	CH17/18	J1
			5	2	1	9A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	9B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	26A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	26B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	2	6				HEAD BLOCK CABLE CONN.	CH19/20	J1
			5	3	1	9A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	9B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	26A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	26B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	2	6				HEAD BLOCK CABLE CONN.	CH21/22	J1
			4	4	1	9A				BASIS BOARD CONNECTOR	CH23/24	J14
			4	4	1	9B				BASIS BOARD CONNECTOR	CH23/24	J14
			4	4	1	26A				BASIS BOARD CONNECTOR	CH23/24	J14
			4	4	1	26B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	2	6				HEAD BLOCK CABLE CONN.	CH23/24	J1
			5	5	1	6				AUDIO CONTROL CONNECTOR		P01
			5	5	3	1				VU PANEL AUDIO CONNECTOR		J03
			5	5	3	2				VU PANEL AUDIO CONNECTOR		J03
			5	5	4	1				POWER SUPPLY CONNECTOR		J02
			5	5	11	9A				AUDIO ELECTRONICS	CH17/18	J11
			5	5	11	9B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	11	26A				AUDIO ELECTRONICS	CH17/18	J11
			5	5	11	26B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	12	9A				AUDIO ELECTRONICS	CH19/20	J12
			5	5	12	9B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	12	26A				AUDIO ELECTRONICS	CH19/20	J12

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF -15.0			5	5	12	26B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	9A				AUDIO ELECTRONICS CH21/22	J13	
			5	5	13	9B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	13	26A				AUDIO ELECTRONICS CH21/22	J13	
			5	5	13	26B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	9A				AUDIO ELECTRONICS CH23/24	J14	
			5	5	14	9B				AUDIO ELECTRONICS CH23/24	J14	
			5	5	14	26A				AUDIO ELECTRONICS CH23/24	J14	
			5	5	14	26B				AUDIO ELECTRONICS CH23/24	J14	
			8	1	1	8				VU PANEL AUDIO CONN. CH 1-4	J01	
			8	1	3	8				VU PANEL AUDIO CONN. CH 9-12	J03	
			8	1	5	8				VU PANEL AUDIO CONN. CH 17-20	J05	
			8	2	1	8				VU PANEL AUDIO CONN. CH 5-8	J01	
			8	2	3	8				VU PANEL AUDIO CONN. CH 13-16	J03	
			8	2	5	8				VU PANEL AUDIO CONN. CH 21-24	J05	
-26.0			1	20	7	6				TAPE LIFT MOTOR, LEFT	P07	
			1	20	8	6				TAPE LIFT MOTOR, RIGHT	P08	
			1	20	14	16				FUSE FAILURE DETECTOR	P14	
	9		1	20	61	1			L	WIRE FIELD (FROM GRP20, ELM70)		
	9		1	20	70	19			F	FROM GRP35, ELM59	J13	
			1	32	2	3			B	DC OUTPUT (GRP35, ELM55)	P02	
	8		1	35	6	1			U	WIRE FIELD		
	8		1	35	6	2			L	WIRE FIELD		
			1	35	6	3				WIRE FIELD		
			1	35	6	4				WIRE FIELD		
	8		1	35	55	3			A	FROM GRP32, ELM02	P06	
	8		1	35	59	19			X	TO GRP20, ELM70	P10	
			1	46	1	6			M	FROM GRP20, ELM07	P01	
			1	47	1	6				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	59	1	16				FROM GRP20, ELM14 (BASIS B. TD)	P01	
			1	60	1	6				FROM GR. 20 ELM 08	P01	
			1	60	5	6				TO TAPE LIFT MOTOR, RIGHT	P05	
A-DRVIN1			3	1	1	5B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	5B				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	5B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	5B				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	5B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	5B				AUDIO ELECTRONICS CH17/18	J11	
A-DRVIN2			3	1	1	28A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	28A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	28A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	28A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	28A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	28A				AUDIO ELECTRONICS CH17/18	J11	
A-DRVIN3			3	2	1	5B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	5B				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	5B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	5B				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	5B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	5B				AUDIO ELECTRONICS CH19/20	J12	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
A-DRVIN4			3	2	1	28A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	28A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	28A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	28A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	28A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	28A				AUDIO ELECTRONICS CH19/20	J12	
A-DRVIN5			3	3	1	5B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	5B				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	5B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	5B				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	5B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	5B				AUDIO ELECTRONICS CH21/22	J13	
A-DRVIN6			3	3	1	28A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	28A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	28A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	28A				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	28A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	28A				AUDIO ELECTRONICS CH21/22	J13	
A-DRVIN7			3	4	1	5B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	5B				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	5B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	5B				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	5B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	5B				AUDIO ELECTRONICS CH23/24	J14	
A-DRVIN8			3	4	1	28A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	28A				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	28A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	28A				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	28A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	28A				AUDIO ELECTRONICS CH23/24	J14	
A-DTIN			1	21	20	6				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	50	9				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	51	9				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	52	9				TO AUDIO RACK CH 17 TO 24	P12	
			3	5	1	9				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	9				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	9				AUDIO CONTROL CONNECTOR	P01	
A-DTOUT			1	21	20	5				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	50	8				TO AUDIO RACK CH 1 TO 8	P10	
			1	21	51	8				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	52	8				TO AUDIO RACK CH 17 TO 24	P12	
			3	5	1	8				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	8				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	8				AUDIO CONTROL CONNECTOR	P01	
A-HFIN			3	1	1	23B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	2	1	23B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	3	1	23B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	4	1	23B				BASIS BOARD CONNECTOR CH7/8	J14	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF A-HFIN			3	5	11	23B				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	23B				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	23B				AUDIO ELECTRONICS CH5/6	J13	
			3	5	14	23B				AUDIO ELECTRONICS CH7/8	J14	
			4	1	1	23B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	2	1	23B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	3	1	23B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	4	1	23B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	11	23B				AUDIO ELECTRONICS CH9/10	J11	
			4	5	12	23B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	23B				AUDIO ELECTRONICS CH13/14	J13	
			4	5	14	23B				AUDIO ELECTRONICS CH15/16	J14	
			5	1	1	23B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	2	1	23B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	3	1	23B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	4	1	23B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	11	23B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	23B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	23B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	23B				AUDIO ELECTRONICS CH23/24	J14	
A-RECIN1			3	1	1	11A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	11A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	11A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	11A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	11A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	11A				AUDIO ELECTRONICS CH17/18	J11	
A-RECIN2			3	1	1	23A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	23A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	23A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	23A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	23A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	23A				AUDIO ELECTRONICS CH17/18	J11	
A-RECIN3			3	2	1	11A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	11A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	11A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	11A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	11A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	11A				AUDIO ELECTRONICS CH19/20	J12	
A-RECIN4			3	2	1	23A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	23A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	23A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	23A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	23A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	23A				AUDIO ELECTRONICS CH19/20	J12	
A-RECIN5			3	3	1	11A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	11A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	11A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	11A				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	11A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	11A				AUDIO ELECTRONICS CH21/22	J13	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
A-RECIN6			3	3	1	23A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	23A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	23A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	23A				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	23A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	23A				AUDIO ELECTRONICS CH21/22	J13	
A-RECIN7			3	4	1	11A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	11A				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	11A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	11A				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	11A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	11A				AUDIO ELECTRONICS CH23/24	J14	
A-RECIN8			3	4	1	23A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	23A				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	23A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	23A				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	23A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	23A				AUDIO ELECTRONICS CH23/24	J14	
A-SOURC1			3	1	1	10A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	10A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	10A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	10A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	10A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	10A				AUDIO ELECTRONICS CH17/18	J11	
A-SOURC2			3	1	1	22A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	22A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	22A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	22A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	22A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	22A				AUDIO ELECTRONICS CH17/18	J11	
A-SOURC3			3	2	1	10A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	10A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	10A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	10A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	10A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	10A				AUDIO ELECTRONICS CH19/20	J12	
A-SOURC4			3	2	1	22A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	22A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	22A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	22A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	22A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	22A				AUDIO ELECTRONICS CH19/20	J12	
A-SOURC5			3	3	1	10A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	10A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	10A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	10A				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	10A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	10A				AUDIO ELECTRONICS CH21/22	J13	

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SIGNAL NAME	COLOR	MI	ASY	GRP	FIM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
A-SOURC6			3	3	1	22A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	22A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	22A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	22A				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	22A				BASIS BOARD CONNECTOR CH21/22	J13	
		5	5	13	22A				AUDIO ELECTRONICS CH21/22	J13		
A-SOURC7			3	4	1	10A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	10A				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	10A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	10A				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	10A				BASIS BOARD CONNECTOR CH23/24	J14	
		5	5	14	10A				AUDIO ELECTRONICS CH23/24	J14		
A-SOURC8			3	4	1	22A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	22A				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	22A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	22A				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	22A				BASIS BOARD CONNECTOR CH23/24	J14	
		5	5	14	22A				AUDIO ELECTRONICS CH23/24	J14		
A-SYNC1			3	1	1	6B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	5	8				SYNC OUTPUT CONN. CH 1-4	J06	
			3	5	9	15				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	11	6B				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	6B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	5	8				SYNC OUTPUT CONN. CH 9-12	J06	
			4	5	9	15				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	11	6B				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	6B				BASIS BOARD CONNECTOR CH17/18	P1	
		5	5	5	8				SYNC OUTPUT CONN. CH 17-20	J06		
		5	5	9	15				SYNC OUTPUT CONN. CH 17-24	D-TYPE		
		5	5	11	6B				AUDIO ELECTRONICS CH17/18	J11		
A-SYNC2			3	1	1	27B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	5	9				SYNC OUTPUT CONN. CH 1-4	J06	
			3	5	9	16				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	11	27B				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	27B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	5	9				SYNC OUTPUT CONN. CH 9-12	J06	
			4	5	9	16				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	11	27B				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	27B				BASIS BOARD CONNECTOR CH17/18	P1	
		5	5	5	9				SYNC OUTPUT CONN. CH 17-20	J06		
		5	5	9	16				SYNC OUTPUT CONN. CH 17-24	D-TYPE		
		5	5	11	27B				AUDIO ELECTRONICS CH17/18	J11		
A-SYNC3			3	2	1	6B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	5	2				SYNC OUTPUT CONN. CH 1-4	J06	
			3	5	9	17				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	12	6B				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	6B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	5	2				SYNC OUTPUT CONN. CH 9-12	J06	
		4	5	9	17				SYNC OUTPUT CONN. CH 9-16	D-TYPE		
		4	5	12	6B				AUDIO ELECTRONICS CH11/12	J12		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF A-SYNC3			5	2	1	6B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	5	2				SYNC OUTPUT CONN. CH 17-20	J06	
			5	5	9	17				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
			5	5	12	6B				AUDIO ELECTRONICS CH19/20	J12	
A-SYNC4			3	2	1	27B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	5	1				SYNC OUTPUT CONN. CH 1-4	J06	
			3	5	9	18				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	12	27B				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	27B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	5	1				SYNC OUTPUT CONN. CH 9-12	J06	
			4	5	9	18				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	12	27B				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	27B				BASIS BOARD CONNECTOR CH19/20	J12	
		5	5	5	1				SYNC OUTPUT CONN. CH 17-20	J06		
		5	5	9	18				SYNC OUTPUT CONN. CH 17-24	D-TYPE		
		5	5	12	27B				AUDIO ELECTRONICS CH19/20	J12		
A-SYNC5			3	3	1	6B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	6	8				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	21				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	13	6B				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	6B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	6	8				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	21				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	13	6B				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	6B				BASIS BOARD CONNECTOR CH21/22	J13	
		5	5	6	8				SYNC OUTPUT CONN. CH 21-24	J04		
		5	5	9	21				SYNC OUTPUT CONN. CH 17-24	D-TYPE		
		5	5	13	6B				AUDIO ELECTRONICS CH21/22	J13		
A-SYNC6			3	3	1	27B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	6	9				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	22				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	13	27B				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	27B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	6	9				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	22				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	13	27B				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	27B				BASIS BOARD CONNECTOR CH21/22	J13	
		5	5	6	9				SYNC OUTPUT CONN. CH 21-24	J04		
		5	5	9	22				SYNC OUTPUT CONN. CH 17-24	D-TYPE		
		5	5	13	27B				AUDIO ELECTRONICS CH21/22	J13		
A-SYNC7			3	4	1	6B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	6	2				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	23				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	14	6B				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	6B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	6	2				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	23				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	14	6B				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	6B				BASIS BOARD CONNECTOR CH23/24	J14	
		5	5	6	2				SYNC OUTPUT CONN. CH 21-24	J04		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT. OF			5	5	9	23				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
A-SYNC7			5	5	14	6B				AUDIO ELECTRONICS CH23/24	J14	
A-SYNC8			3	4	1	27B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	6	1				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	24				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			3	5	14	27B				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	27B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	6	1				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	24				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			4	5	14	27B				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	27B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	6	1				SYNC OUTPUT CONN. CH 21-24	J04	
			5	5	9	24				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
			5	5	14	27B				AUDIO ELECTRONICS CH23/24	J14	
A-TAPOU1			3	1	1	4B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	4B				AUDIO ELECTRONICS CH1/2	J11	
			4	4	1	4B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	4B				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	4B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	4B				AUDIO ELECTRONICS CH17/18	J11	
A-TAPOU2			3	1	1	29A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	29A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	29A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	29A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	29A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	29A				AUDIO ELECTRONICS CH17/18	J11	
A-TAPOU3			3	2	1	4B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	4B				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	4B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	4B				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	4B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	4B				AUDIO ELECTRONICS CH19/20	J12	
A-TAPOU4			3	2	1	29A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	29A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	29A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	29A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	29A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	29A				AUDIO ELECTRONICS CH19/20	J12	
A-TAPOU5			3	3	1	4B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	4B				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	4B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	4B				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	4B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	4B				AUDIO ELECTRONICS CH21/22	J13	
A-TAPOU6			3	3	1	29A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	29A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	29A				BASIS BOARD CONNECTOR CH13/14	J13	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT. OF			4	5	13	29A				AUDIO ELECTRONICS CH13/14	J13	
A-TAPOU6			5	3	1	29A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	29A				AUDIO ELECTRONICS CH21/22	J13	
A-TAPOU7			3	4	1	4B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	4B				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	4B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	4B				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	4B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	4B				AUDIO ELECTRONICS CH23/24	J14	
A-TAPOU8			3	4	1	29A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	29A				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	29A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	29A				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	29A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	29A				AUDIO ELECTRONICS CH23/24	J14	
A-TONGEN			1	21	22	2				GENERATOR UNIT MCH	J07	
			1	21	50	7				TO AUDIO RACK CH 1 TO 8	P10	1.827.725.00
			1	21	51	7				TO AUDIO RACK CH 9 TO 16	P11	
			1	21	52	7				TO AUDIO RACK CH 17 TO 24	P12	
			3	1	1	10B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	1	1	22B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	2	1	10B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	2	1	22B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	3	1	10B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	3	1	22B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	4	1	10B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	4	1	22B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	1	7				AUDIO CONTROL CONNECTOR	P01	
			3	5	11	10B				AUDIO ELECTRONICS CH1/2	J11	
			3	5	11	22B				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	10B				AUDIO ELECTRONICS CH3/4	J12	
			3	5	12	22B				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	10B				AUDIO ELECTRONICS CH5/6	J13	
			3	5	13	22B				AUDIO ELECTRONICS CH5/6	J13	
			3	5	14	10B				AUDIO ELECTRONICS CH7/8	J14	
			3	5	14	22B				AUDIO ELECTRONICS CH7/8	J14	
			4	1	1	10B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	2	1	10B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	2	1	22B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	3	1	10B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	3	1	22B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	4	1	10B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	4	1	22B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	1	7				AUDIO CONTROL CONNECTOR	P01	
			4	5	11	10B				AUDIO ELECTRONICS CH9/10	J11	
			4	5	11	22B				AUDIO ELECTRONICS CH9/10	J11	
			4	5	12	10B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	12	22B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	10B				AUDIO ELECTRONICS CH13/14	J13	
			4	5	13	22B				AUDIO ELECTRONICS CH13/14	J13	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT. OF A-TONGEN			4	5	14	10B				AUDIO ELECTRONICS CH15/16	J14	
			4	5	14	22B				AUDIO ELECTRONICS CH15/16	J14	
			5	1	1	10B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	1	1	22B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	2	1	10B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	2	1	22B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	3	1	10B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	3	1	22B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	4	1	10B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	4	1	22B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	1	7				AUDIO CONTROL CONNECTOR	P01	
			5	5	11	10B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	11	22B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	10B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	12	22B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	10B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	13	22B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	10B				AUDIO ELECTRONICS CH23/24	J14	
			5	5	14	22B				AUDIO ELECTRONICS CH23/24	J14	
A-VUMR10			4	1	1	27A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	3	14				VU PANEL AUDIO CONNECTOR	J03	
			4	5	11	27A				AUDIO ELECTRONICS CH9/10	J11	
			8	1	3	3				VU PANEL AUDIO CONN. CH 9-12	J03	
A-VUMR11			4	2	1	6A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	3	13				VU PANEL AUDIO CONNECTOR	J03	
			4	5	12	6A				AUDIO ELECTRONICS CH11/12	J12	
			8	1	3	2				VU PANEL AUDIO CONN. CH 9-12	J03	
A-VUMR12			4	2	1	27A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	3	12				VU PANEL AUDIO CONNECTOR	J03	
			4	5	12	27A				AUDIO ELECTRONICS CH11/12	J12	
			0	1	3	1				VU PANEL AUDIO CONN. CH 9-12	J03	
A-VUMR13			4	3	1	6A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	3	11				VU PANEL AUDIO CONNECTOR	J03	
			4	5	13	6A				AUDIO ELECTRONICS CH13/14	J13	
			8	2	3	4				VU PANEL AUDIO CONN. CH 13-16	J03	
A-VUMR14			4	3	1	27A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	3	10				VU PANEL AUDIO CONNECTOR	J03	
			4	5	13	27A				AUDIO ELECTRONICS CH13/14	J13	
			8	2	3	3				VU PANEL AUDIO CONN. CH 13-16	J03	
A-VUMR15			4	4	1	6A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	3	9				VU PANEL AUDIO CONNECTOR	J03	
			4	5	14	6A				AUDIO ELECTRONICS CH15/16	J14	
			8	2	3	2				VU PANEL AUDIO CONN. CH 13-16	J03	
A-VUMR16			4	4	1	27A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	3	8				VU PANEL AUDIO CONNECTOR	J03	
			4	5	14	27A				AUDIO ELECTRONICS CH15/16	J14	
			8	2	3	1				VU PANEL AUDIO CONN. CH 13-16	J03	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
A-VUMR17			5	1	1	6A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	3	15				VU PANEL AUDIO CONNECTOR	J03	
			5	5	11	6A				AUDIO ELECTRONICS CH17/18	J11	
			8	1	5	4				VU PANEL AUDIO CONN. CH 17-20	J05	
A-VUMR18			5	1	1	27A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	3	14				VU PANEL AUDIO CONNECTOR	J03	
			5	5	11	27A				AUDIO ELECTRONICS CH17/18	J11	
			8	1	5	3				VU PANEL AUDIO CONN. CH 17-20	J05	
A-VUMR19			5	2	1	6A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	3	13				VU PANEL AUDIO CONNECTOR	J03	
			5	5	12	6A				AUDIO ELECTRONICS CH19/20	J12	
			8	1	5	2				VU PANEL AUDIO CONN. CH 17-20	J05	
A-VUMR20			5	2	1	27A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	3	12				VU PANEL AUDIO CONNECTOR	J03	
			5	5	12	27A				AUDIO ELECTRONICS CH19/20	J12	
			8	1	5	1				VU PANEL AUDIO CONN. CH 17-20	J05	
A-VUMR21			5	3	1	6A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	3	11				VU PANEL AUDIO CONNECTOR	J03	
			5	5	13	6A				AUDIO ELECTRONICS CH21/22	J13	
			8	2	5	4				VU PANEL AUDIO CONN. CH 21-24	J05	
A-VUMR22			5	3	1	27A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	3	10				VU PANEL AUDIO CONNECTOR	J03	
			5	5	13	27A				AUDIO ELECTRONICS CH21/22	J13	
			8	2	5	3				VU PANEL AUDIO CONN. CH 21-24	J05	
A-VUMR23			5	4	1	6A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	3	9				VU PANEL AUDIO CONNECTOR	J03	
			5	5	14	6A				AUDIO ELECTRONICS CH23/24	J14	
			0	2	5	2				VU PANEL AUDIO CONN. CH 21-24	J05	
A-VUMR24			5	4	1	27A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	3	8				VU PANEL AUDIO CONNECTOR	J03	
			5	5	13	27A				AUDIO ELECTRONICS CH23/24	J14	
			8	2	5	1				VU PANEL AUDIO CONN. CH 21-24	J05	
A-VUMTR1			3	1	1	6A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	3	15				VU PANEL AUDIO CONNECTOR	J03	
			3	5	11	6A				AUDIO ELECTRONICS CH1/2	J11	
			8	1	1	4				VU PANEL AUDIO CONN. CH 1-4	J01	
A-VUMTR2			3	1	1	27A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	3	14				VU PANEL AUDIO CONNECTOR	J03	
			3	5	11	27A				AUDIO ELECTRONICS CH1/2	J11	
			8	1	1	3				VU PANEL AUDIO CONN. CH 1-4	J01	
A-VUMTR3			3	2	1	6A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	3	13				VU PANEL AUDIO CONNECTOR	J03	
			3	5	12	6A				AUDIO ELECTRONICS CH3/4	J12	
			8	1	1	2				VU PANEL AUDIO CONN. CH 1-4	J01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
A-VUMTR4			3	2	1	27A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	3	12				VU PANEL AUDIO CONNECTOR	J03	
			3	5	12	27A				AUDIO ELECTRONICS CH3/4	J12	
			8	1	1	1				VU PANEL AUDIO CONN. CH 1-4	J01	
A-VUMTR5			3	3	1	6A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	3	11				VU PANEL AUDIO CONNECTOR	J03	
			3	5	13	6A				AUDIO ELECTRONICS CH5/6	J13	
			8	2	1	4				VU PANEL AUDIO CONN. CH 5-8	J01	
A-VUMTR6			3	3	1	27A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	3	10				VU PANEL AUDIO CONNECTOR	J03	
			3	5	13	27A				AUDIO ELECTRONICS CH5/6	J13	
			8	2	1	3				VU PANEL AUDIO CONN. CH 5-8	J01	
A-VUMTR7			3	4	1	6A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	3	9				VU PANEL AUDIO CONNECTOR	J03	
			3	5	14	6A				AUDIO ELECTRONICS CH7/8	J14	
			8	2	1	2				VU PANEL AUDIO CONN. CH 5-8	J01	
A-VUMTR8			3	4	1	27A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	3	8				VU PANEL AUDIO CONNECTOR	J03	
			3	5	14	27A				AUDIO ELECTRONICS CH7/8	J14	
			8	2	1	1				VU PANEL AUDIO CONN. CH 5-8	J01	
A-VUMTR9			4	1	1	6A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	3	15				VU PANEL AUDIO CONNECTOR	J03	
			4	5	11	6A				AUDIO ELECTRONICS CH9/10	J11	
			8	1	3	4				VU PANEL AUDIO CONN. CH 9-12	J03	
AC-01			7	4	1	1A				PRIMARY DISTRIBUTOR		
			7	4	1	1D				PRIMARY DISTRIBUTOR		
			7	5	1	1A				PRIMARY DISTRIBUTOR		
			7	5	1	1C				PRIMARY DISTRIBUTOR		
			7	5	1	1D				PRIMARY DISTRIBUTOR		
			7	6	1	1C				PRIMARY DISTRIBUTOR		
AC-02			7	4	1	3A				PRIMARY DISTRIBUTOR		
			7	4	1	3D				PRIMARY DISTRIBUTOR		
			7	5	1	3A				PRIMARY DISTRIBUTOR		
			7	5	1	3C				PRIMARY DISTRIBUTOR		
			7	5	1	3D				PRIMARY DISTRIBUTOR		
			7	6	1	3C				PRIMARY DISTRIBUTOR		
AC-03			7	4	1	4A				PRIMARY DISTRIBUTOR		
			7	4	1	4D				PRIMARY DISTRIBUTOR		
			7	5	1	4A				PRIMARY DISTRIBUTOR		
			7	5	1	4C				PRIMARY DISTRIBUTOR		
			7	5	1	4D				PRIMARY DISTRIBUTOR		
			7	6	1	4C				PRIMARY DISTRIBUTOR		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
AC-04			7	4	1	6A				PRIMARY DISTRIBUTOR		
			7	4	1	6D				PRIMARY DISTRIBUTOR		
			7	5	1	6A				PRIMARY DISTRIBUTOR		
			7	5	1	6C				PRIMARY DISTRIBUTOR		
			7	5	1	6D				PRIMARY DISTRIBUTOR		
			7	6	1	6C				PRIMARY DISTRIBUTOR		
			7	6	1	6D				PRIMARY DISTRIBUTOR		
AC-05			7	4	1	7A				PRIMARY DISTRIBUTOR		
			7	4	1	7D				PRIMARY DISTRIBUTOR		
			7	5	1	7A				PRIMARY DISTRIBUTOR		
			7	5	1	7C				PRIMARY DISTRIBUTOR		
			7	5	1	7D				PRIMARY DISTRIBUTOR		
			7	6	1	7C				PRIMARY DISTRIBUTOR		
AC-06			7	4	1	8A				PRIMARY DISTRIBUTOR		
			7	4	1	8D				PRIMARY DISTRIBUTOR		
			7	5	1	8A				PRIMARY DISTRIBUTOR		
			7	5	1	8C				PRIMARY DISTRIBUTOR		
			7	5	1	8D				PRIMARY DISTRIBUTOR		
			7	6	1	8C				PRIMARY DISTRIBUTOR		
AC-07			7	4	1	9A				PRIMARY DISTRIBUTOR		
			7	4	1	9D				PRIMARY DISTRIBUTOR		
			7	5	1	9A				PRIMARY DISTRIBUTOR		
			7	5	1	9C				PRIMARY DISTRIBUTOR		
			7	5	1	9D				PRIMARY DISTRIBUTOR		
			7	6	1	9C				PRIMARY DISTRIBUTOR		
AC4-R1			7	4	2	2A				SECONDARY DISTRIBUTOR		
	3		7	7	1	1			I	RECTIFIER	D201	70.01.0232
AC4-R2			7	4	2	3A				SECONDARY DISTRIBUTOR		
	4		7	7	1	2			L	RECTIFIER	D201	70.01.0232
AC4-R3			7	4	2	4A				SECONDARY DISTRIBUTOR		
	3		7	7	2	1			L	RECTIFIER	D202	70.01.0232
AC4-R4			7	4	2	5A				SECONDARY DISTRIBUTOR		
	4		7	7	2	2			L	RECTIFIER	D202	70.01.0232
AC5-R1			7	5	2	2A				SECONDARY DISTRIBUTOR		
	3		7	7	3	1			L	RECTIFIER	D203	70.01.0232
AC5-R2			7	5	2	3A				SECONDARY DISTRIBUTOR		
	4		7	7	3	2			L	RECTIFIER	D203	70.01.0232
AC5-R3			7	5	2	4A				SECONDARY DISTRIBUTOR		
	3		7	7	4	1			L	RECTIFIER	D204	70.01.0232
AC5-R4			7	5	2	5A				SECONDARY DISTRIBUTOR		
	4		7	7	4	2			L	RECTIFIER	D204	70.01.0232

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
AC6-R1	3		7	6	2	2A			L	SECONDARY DISTRIBUTOR RECTIFIER	DZ05	70.01.0232
AC6-R2	4		7	6	2	3A			L	SECONDARY DISTRIBUTOR RECTIFIER	DZ05	70.01.0232
AC6-R3	3		7	6	2	4A			L	SECONDARY DISTRIBUTOR RECTIFIER	DZ06	70.01.0232
AC6-R4	4		7	6	2	5A			L	SECONDARY DISTRIBUTOR RECTIFIER	DZ06	70.01.0232
ADS-CLK			1	20	32	14				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	51	9B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	21	15	14				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	20	10				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
ADS-CTS			1	20	32	18				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	51	11B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	21	15	18				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	20	13				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
ADS-DTR			1	20	32	20				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	51	12B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	21	15	20				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	20	11				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
ADS-RX			1	20	32	22				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	51	13B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	21	15	22				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	20	12				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
ADS-TX			1	20	32	24				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	51	14B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	21	15	24				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	20	9				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
AN-CSPDC			1	20	3	7				CAPSTAN M. DRIVE AMPLIFIER	P03	
			1	20	42	3A				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	42	3B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	39	1	7				FROM GRP20, ELM03 (BASIS B. TD)	P01	
AN-ICL			1	20	40	26				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	47	3				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
AN-ICLD			1	20	1	13				SPOOLING M. DRIVE AMP. LEFT	P01	
			1	20	40	30				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	33	2	13				FROM GRP20, ELM01 (BASIS B. TD)	P01	
AN-ICR			1	20	40	1				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	40	3				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	47	4				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
AN-ICRD			1	20	2	13				SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	20	40	9				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	29	5	13				FROM GRP20, ELM02 (BASIS B. TD)	P01	
			1	29	6	13				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	30	2	13				FROM GRP29, ELM06	P01	
AN-IRL			1	20	40	27				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	45	6				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
AN-IRR			1	20	40	2				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	40	4				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	45	8				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
AN-RES1			1	20	9	7				TACHO SENSOR SPOOLING M. LEFT	P09	
			1	20	47	7				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	36	1	7				TACHO SENSOR	P01	1.820.771.00
			1	60	4	7				FROM GR. 20 ELM 09	P04	
			1	60	8	7				TO TACHO SENSOR SP. MOTOR LEFT	P08	
AN-RES2			1	20	10	7				TACHO SENSOR SPOOLING M. RIGHT	P10	
			1	20	47	8				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	37	1	7				TACHO SENSOR	P01	1.820.771.00
			1	60	3	7				FROM GR. 20 ELM 10	P03	
			1	60	7	7				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
AN-RES3			1	20	11	7				MOVE SENSOR	P11	
			1	20	47	9				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	45	1	7				FROM GRP20, ELM11	P01	
			1	60	2	7				FROM GR. 20 ELM 11	P02	
			1	60	6	7				TO MOVE SENSOR	P06	
AN-RES4			1	20	47	10				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
AN-TLKLC			2	1	7	25				REPRODUCE HEAD, CH 01 TO 08	P07	
			2	1	8	25				REPRODUCE HEAD, CH 09 TO 16	P08	
			2	1	9	25				REPRODUCE HEAD, CH 17 TO 24	P09	
			2	2	1	25				INPUT	J01	
			2	3	1	25				INPUT	J01	
			2	4	1	25				INPUT	J01	
AN-TLKUC			2	1	7	1				REPRODUCE HEAD, CH 01 TO 08	P07	
			2	1	8	1				REPRODUCE HEAD, CH 09 TO 16	P08	
			2	1	9	1				REPRODUCE HEAD, CH 17 TO 24	P09	
			2	2	1	1				INPUT	J01	
			2	3	1	1				INPUT	J01	
			2	4	1	1				INPUT	J01	
AN-TLK01			2	1	7	13				REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	13				INPUT	J01	
AN-TLK08			2	1	7	14				REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	14				INPUT	J01	
AN-TLK09			2	1	8	13				REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	13				INPUT	J01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
AN-TLK16			2	1	8	14				REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	14				INPUT	J01	
AN-TLK17			2	1	9	13				REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	13				INPUT	J01	
AN-TLK24			2	1	9	14				REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	14				INPUT	J01	
AN-TTL			1	20	12	9				TAPE TENSION SENSOR, LEFT	P12	
			1	20	45	1				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	45	3				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	47	1				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	47	5				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	42	1	9				FROM GRP20, ELM12 (BASIS B. TD)	P01	
AN-TTR			1	20	13	9				TAPE TENSION SENSOR, RIGHT	P13	
			1	20	45	2				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	45	4				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	47	2				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	47	6				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	43	1	9				FROM GRP20, ELM13 (BASIS B. TD)	P01	
ANM-SH1			1	48	1	26				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	2	8				CONNECTOR EDIT ASSEMBLY		
			1	50	3	26				CONNECTOR COMMAND UNIT	P02	
ANM-SH2			1	48	1	25				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	2	10				CONNECTOR EDIT ASSEMBLY		
			1	50	3	25				CONNECTOR COMMAND UNIT	P02	
ANM-SH3			1	48	1	24				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	2	9				CONNECTOR EDIT ASSEMBLY		
			1	50	3	24				CONNECTOR COMMAND UNIT	P02	
ARECEIV	3		1	53	1	8			B	CONNECTOR DATA BACK UP, FRONT P.	J01	
ARECEIVB	8		1	53	1	3			B	CONNECTOR DATA BACK UP, FRONT P.	J01	
ATRANS	4		1	53	1	2			B	CONNECTOR DATA BACK UP, FRONT P.	J01	
ATRANSB	2		1	53	1	7			B	CONNECTOR DATA BACK UP, FRONT P.	J01	
B-RCD-01			1	21	10	1				TO GRP24, ELM03	P05	
			1	21	23	6A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	1	1				NRS CONTROL CONN. CH 1 TO 8		
B-RCD-02			1	21	10	3				TO GRP24, ELM03	P05	
			1	21	23	6B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	1	2				NRS CONTROL CONN. CH 1 TO 8		
B-RCD-03			1	21	10	5				TO GRP24, ELM03	P05	
			1	21	23	7B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	1	3				NRS CONTROL CONN. CH 1 TO 8		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
B-RCD-04			1	21	10	9				TO GRP24, ELM03	P05	
			1	21	23	8B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	1	5				NRS CONTROL CONN. CH 1 TO 8		
B-RCD-05			1	21	10	11				TO GRP24, ELM03	P05	
			1	21	23	9B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	1	6				NRS CONTROL CONN. CH 1 TO 8		
B-RCD-06			1	21	10	4				TO GRP24, ELM03	P05	
			1	21	23	7A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	1	10				NRS CONTROL CONN. CH 1 TO 8		
B-RCD-07			1	21	10	6				TO GRP24, ELM03	P05	
			1	21	23	8A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	1	11				NRS CONTROL CONN. CH 1 TO 8		
B-RCD-08			1	21	10	10				TO GRP24, ELM03	P05	
			1	21	23	9A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	1	13				NRS CONTROL CONN. CH 1 TO 8		
B-RCD-09			1	21	11	1				TO GRP24, ELM02	P06	
			1	21	23	14A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	2	1				NRS CONTROL CONN. CH 9 TO 16		
B-RCD-10			1	21	11	3				TO GRP24, ELM02	P06	
			1	21	23	14B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	2	2				NRS CONTROL CONN. CH 9 TO 16		
B-RCD-11			1	21	11	5				TO GRP24, ELM02	P06	
			1	21	23	15B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	2	3				NRS CONTROL CONN. CH 9 TO 16		
B-RCD-12			1	21	11	9				TO GRP24, ELM02	P06	
			1	21	23	16B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	2	5				NRS CONTROL CONN. CH 9 TO 16		
B-RCD-13			1	21	11	11				TO GRP24, ELM02	P06	
			1	21	23	17B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	2	6				NRS CONTROL CONN. CH 9 TO 16		
B-RCD-14			1	21	11	4				TO GRP24, ELM02	P06	
			1	21	23	15A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	2	10				NRS CONTROL CONN. CH 9 TO 16		
B-RCD-15			1	21	11	6				TO GRP24, ELM02	P06	
			1	21	23	16A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	2	11				NRS CONTROL CONN. CH 9 TO 16		
B-RCD-16			1	21	11	10				TO GRP24, ELM02	P06	
			1	21	23	17A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	2	13				NRS CONTROL CONN. CH 9 TO 16		
B-RCD-17			1	21	12	1				TO GRP24, ELM01	P07	
			1	21	23	21A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	3	1				NRS CONTROL CONN. CH 17 TO 24		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
B-RCD-18			1	21	12	3				TO GRP24, ELM01	P07	
			1	21	23	21B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	3	2				NRS CONTROL CONN. CH 17 TO 24		
B-RCD-19			1	21	12	5				TO GRP24, ELM01	P07	
			1	21	23	22B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	3	3				NRS CONTROL CONN. CH 17 TO 24		
B-RCD-20			1	21	12	9				TO GRP24, ELM01	P07	
			1	21	23	23B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	3	5				NRS CONTROL CONN. CH 17 TO 24		
B-RCD-21			1	21	12	11				TO GRP24, ELM01	P07	
			1	21	23	24B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	3	6				NRS CONTROL CONN. CH 17 TO 24		
B-RCD-22			1	21	12	4				TO GRP24, ELM01	P07	
			1	21	23	22A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	3	10				NRS CONTROL CONN. CH 17 TO 24		
B-RCD-23			1	21	12	6				TO GRP24, ELM01	P07	
			1	21	23	23A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	3	11				NRS CONTROL CONN. CH 17 TO 24		
B-RCD-24			1	21	12	10				TO GRP24, ELM01	P07	
			1	21	23	24A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	25	3	13				NRS CONTROL CONN. CH 17 TO 24		
BM-0.2			1	48	1	6				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	3	8				WIRE FIELD		
			1	50	3	6				CONNECTOR COMMAND UNIT	P02	
BM-0.3			1	48	1	7				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	3	7				WIRE FIELD		
			1	50	3	7				CONNECTOR COMMAND UNIT	P02	
BM-0.4			1	48	1	8				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	3	6				WIRE FIELD		
			1	50	3	8				CONNECTOR COMMAND UNIT	P02	
BM-0.5			1	48	1	9				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	3	5				WIRE FIELD		
			1	50	3	9				CONNECTOR COMMAND UNIT	P02	
BM-0.6			1	48	1	10				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	3	4				WIRE FIELD		
			1	50	3	10				CONNECTOR COMMAND UNIT	P02	
BM-0.7			1	48	1	11				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	3	3				WIRE FIELD		
			1	50	3	11				CONNECTOR COMMAND UNIT	P02	
BR-FADRY			1	23	8	8			B	CONN. PARALLEL REMOTE CONTROL	J07	
			1	24	10	8			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	8			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	27	4	15				TO GRP24, ELM02 (PAR. REMOTE CTL) P03		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
BR-FORM			1	23	8	3			B	CONN. PARALLEL REMOTE CONTROL		J07
			1	24	1	5				FROM GRP27, ELM03 (SYNCHRONIZER)		P01
			1	24	2	5				FROM GRP27, ELM04 (PAR. REMOTE)		P02
			1	24	9	3			B	CONNECTOR SYNCHRONIZER CONTROL		J01
			1	24	10	3			B	CONN. PARALLEL REMOTE CONTROL		J03
			1	24	11	3			B	CONN. AUDIO REMOTE CONTROL		J03
BR-LOCST			1	27	3	5				TO GRP24, ELM01 (SYNCHRONIZER)		P03
			1	27	4	5				TO GRP24, ELM02 (PAR. REMOTE CTL)		P03
			1	23	8	7			B	CONN. PARALLEL REMOTE CONTROL		J07
			1	24	10	7			B	CONN. PARALLEL REMOTE CONTROL		J03
BR-PLAY			1	24	11	7			B	CONN. AUDIO REMOTE CONTROL		J03
			1	27	4	13				TO GRP24, ELM02 (PAR. REMOTE CTL)		P03
			1	23	8	15			B	CONN. PARALLEL REMOTE CONTROL		J07
			1	24	1	4				FROM GRP27, ELM03 (SYNCHRONIZER)		P01
			1	24	2	4				FROM GRP27, ELM04 (PAR. REMOTE)		P02
			1	24	9	15			B	CONNECTOR SYNCHRONIZER CONTROL		J01
BR-REC			1	24	10	15			B	CONN. PARALLEL REMOTE CONTROL		J03
			1	24	11	15			B	CONN. PARALLEL REMOTE CONTROL		J03
			1	27	3	4				TO GRP24, ELM01 (SYNCHRONIZER)		P03
			1	27	4	4				TO GRP24, ELM02 (PAR. REMOTE CTL)		P03
			1	23	8	9			B	CONN. PARALLEL REMOTE CONTROL		J07
			1	24	1	17				FROM GRP27, ELM03 (SYNCHRONIZER)		P01
BR-REW			1	24	2	17				FROM GRP27, ELM04 (PAR. REMOTE)		P02
			1	24	9	9			B	CONNECTOR SYNCHRONIZER CONTROL		J01
			1	24	10	9			B	CONN. PARALLEL REMOTE CONTROL		J03
			1	24	11	9			B	CONN. PARALLEL REMOTE CONTROL		J03
			1	27	3	17				TO GRP24, ELM01 (SYNCHRONIZER)		P03
			1	27	4	17				TO GRP24, ELM02 (PAR. REMOTE CTL)		P03
BR-STOP			1	23	8	2			B	CONN. PARALLEL REMOTE CONTROL		J07
			1	24	1	2				FROM GRP27, ELM03 (SYNCHRONIZER)		P01
			1	24	2	3				FROM GRP27, ELM04 (PAR. REMOTE)		P02
			1	24	9	2			B	CONNECTOR SYNCHRONIZER CONTROL		J01
			1	24	10	2			B	CONN. PARALLEL REMOTE CONTROL		J03
			1	24	11	2			B	CONN. AUDIO REMOTE CONTROL		J03
BR-VRSPD			1	27	3	3				TO GRP24, ELM01 (SYNCHRONIZER)		P03
			1	27	4	3				TO GRP24, ELM02 (PAR. REMOTE CTL)		P03
			1	23	8	4			B	CONN. PARALLEL REMOTE CONTROL		J07
			1	24	1	7				FROM GRP27, ELM03 (SYNCHRONIZER)		P01
			1	24	2	7				FROM GRP27, ELM04 (PAR. REMOTE)		P02
			1	24	9	4			B	CONNECTOR SYNCHRONIZER CONTROL		J01

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.	
<<<< CONT.OF			1	24	11	4			B	CONN. AUDIO REMOTE CONTROL		J03	
BR-VRSPD			1	27	3	7				TO GRP24, ELM01 (SYNCHRONIZER)		P03	
			1	27	4	7				TO GRP24, ELM02 (PAR. REMOTE CTL)		P03	
C-ARES			4	1	1	19A				BASIS BOARD CONNECTOR		CH9/10 P1	
			4	2	1	19A				BASIS BOARD CONNECTOR		CH11/12 J12	
			4	3	1	19A				BASIS BOARD CONNECTOR		CH13/14 J13	
			4	4	1	19A				BASIS BOARD CONNECTOR		CH15/16 J14	
			4	5	11	19A				AUDIO ELECTRONICS		CH9/10 J11	
			4	5	12	19A				AUDIO ELECTRONICS		CH11/12 J12	
			4	5	13	19A				AUDIO ELECTRONICS		CH13/14 J13	
			4	5	14	19A				AUDIO ELECTRONICS		CH15/16 J14	
			5	1	1	19A				BASIS BOARD CONNECTOR		CH17/18 P1	
			5	2	1	19A				BASIS BOARD CONNECTOR		CH19/20 J12	
			5	3	1	19A				BASIS BOARD CONNECTOR		CH21/22 J13	
			5	4	1	19A				BASIS BOARD CONNECTOR		CH23/24 J14	
			5	5	11	19A				AUDIO ELECTRONICS		CH17/18 J11	
			5	5	12	19A				AUDIO ELECTRONICS		CH19/20 J12	
			5	5	13	19A				AUDIO ELECTRONICS		CH21/22 J13	
			5	5	14	19A				AUDIO ELECTRONICS		CH23/24 J14	
C-D0			3	1	1	11B				BASIS BOARD CONNECTOR		CH1/2 P1	
			3	2	1	11B				BASIS BOARD CONNECTOR		CH3/4 J12	
			3	3	1	11B				BASIS BOARD CONNECTOR		CH5/6 J13	
			3	4	1	11B				BASIS BOARD CONNECTOR		CH7/8 J14	
			3	5	11	11B				AUDIO ELECTRONICS		CH1/2 J11	
			3	5	12	11B				AUDIO ELECTRONICS		CH3/4 J12	
			3	5	13	11B				AUDIO ELECTRONICS		CH5/6 J13	
			3	5	14	11B				AUDIO ELECTRONICS		CH7/8 J14	
			4	1	1	11B				BASIS BOARD CONNECTOR		CH9/10 P1	
			4	2	1	11B				BASIS BOARD CONNECTOR		CH11/12 J12	
			4	3	1	11B				BASIS BOARD CONNECTOR		CH13/14 J13	
			4	4	1	11B				BASIS BOARD CONNECTOR		CH15/16 J14	
			4	5	11	11B				AUDIO ELECTRONICS		CH9/10 J11	
			4	5	12	11B				AUDIO ELECTRONICS		CH11/12 J12	
			4	5	13	11B				AUDIO ELECTRONICS		CH13/14 J13	
			4	5	14	11B				AUDIO ELECTRONICS		CH15/16 J14	
C-D1			5	1	1	11B				BASIS BOARD CONNECTOR		CH17/18 P1	
			5	2	1	11B				BASIS BOARD CONNECTOR		CH19/20 J12	
			5	3	1	11B				BASIS BOARD CONNECTOR		CH21/22 J13	
			5	4	1	11B				BASIS BOARD CONNECTOR		CH23/24 J14	
			5	5	11	11B				AUDIO ELECTRONICS		CH17/18 J11	
			5	5	12	11B				AUDIO ELECTRONICS		CH19/20 J12	
			5	5	13	11B				AUDIO ELECTRONICS		CH21/22 J13	
			5	5	14	11B				AUDIO ELECTRONICS		CH23/24 J14	
	C-D1			3	1	1	12B				BASIS BOARD CONNECTOR		CH1/2 P1
				3	2	1	12B				BASIS BOARD CONNECTOR		CH3/4 J12
				3	3	1	12B				BASIS BOARD CONNECTOR		CH5/6 J13
				3	4	1	12B				BASIS BOARD CONNECTOR		CH7/8 J14
				3	5	11	12B				AUDIO ELECTRONICS		CH1/2 J11
				3	5	12	12B				AUDIO ELECTRONICS		CH3/4 J12
				3	5	13	12B				AUDIO ELECTRONICS		CH5/6 J13
				3	5	14	12B				AUDIO ELECTRONICS		CH7/8 J14

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.

<<-- CONT.OF			4	1	1	12B				BASIS BOARD CONNECTOR	CH9/10	P1
C-D1			4	2	1	12B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	12B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	12B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	5	11	12B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	12	12B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	12B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	12B				AUDIO ELECTRONICS	CH15/16	J14
			5	1	1	12B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	12B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	12B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	12B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	5	11	12B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	12	12B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	13	12B				AUDIO ELECTRONICS	CH21/22	J13
			5	5	14	12B				AUDIO ELECTRONICS	CH23/24	J14

C-D2			3	1	1	13B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	13B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	3	1	13B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	13B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	11	13B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	13B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	13B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	13B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	13B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	13B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	13B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	13B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	5	11	13B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	12	13B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	13B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	13B				AUDIO ELECTRONICS	CH15/16	J14
			5	1	1	13B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	13B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	13B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	13B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	5	11	13B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	12	13B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	13	13B				AUDIO ELECTRONICS	CH21/22	J13
			5	5	14	13B				AUDIO ELECTRONICS	CH23/24	J14

C-D3			3	1	1	14B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	14B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	3	1	14B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	14B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	11	14B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	14B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	14B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	14B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	14B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	14B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	14B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	14B				BASIS BOARD CONNECTOR	CH15/16	J14

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.

<<-- CONT.OF			4	5	11	14B				AUDIO ELECTRONICS	CH9/10	J11
C-D3			4	5	12	14B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	14B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	14B				AUDIO ELECTRONICS	CH15/16	J14
			5	1	1	14B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	14B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	14B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	14B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	5	11	14B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	12	14B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	13	14B				AUDIO ELECTRONICS	CH21/22	J13
			5	5	14	14B				AUDIO ELECTRONICS	CH23/24	J14

C-D4			3	1	1	15B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	15B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	3	1	15B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	15B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	11	15B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	15B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	15B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	15B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	15B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	15B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	15B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	15B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	5	11	15B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	12	15B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	15B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	15B				AUDIO ELECTRONICS	CH15/16	J14
			5	1	1	15B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	15B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	15B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	15B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	5	11	15B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	12	15B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	13	15B				AUDIO ELECTRONICS	CH21/22	J13
			5	5	14	15B				AUDIO ELECTRONICS	CH23/24	J14

C-D5			3	1	1	16B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	16B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	3	1	16B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	16B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	11	16B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	16B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	16B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	16B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	16B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	16B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	16B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	16B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	5	11	16B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	12	16B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	16B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	16B				AUDIO ELECTRONICS	CH15/16	J14

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.

<<-- CONT.OF			5	1	1	16B				BASIS BOARD CONNECTOR	CH17/18	P1
C-D5			5	2	1	16B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	16B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	16B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	5	11	16B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	12	16B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	13	16B				AUDIO ELECTRONICS	CH21/22	J13
			5	5	14	16B				AUDIO ELECTRONICS	CH23/24	J14

C-D6			3	1	1	17B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	17B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	3	1	17B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	17B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	11	17B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	17B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	17B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	17B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	17B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	17B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	17B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	17B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	5	11	17B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	12	17B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	17B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	17B				AUDIO ELECTRONICS	CH15/16	J14
			5	1	1	17B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	17B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	17B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	17B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	5	11	17B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	12	17B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	13	17B				AUDIO ELECTRONICS	CH21/22	J13
			5	5	14	17B				AUDIO ELECTRONICS	CH23/24	J14

C-D7			3	1	1	18B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	18B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	3	1	18B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	18B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	11	18B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	18B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	18B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	18B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	18B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	18B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	18B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	18B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	5	11	18B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	12	18B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	18B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	18B				AUDIO ELECTRONICS	CH15/16	J14
			5	1	1	18B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	18B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	18B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	18B				BASIS BOARD CONNECTOR	CH23/24	J14

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.

<<-- CONT.OF			5	5	11	18B				AUDIO ELECTRONICS	CH17/18	J11
C-D7			5	5	12	18B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	13	18B				AUDIO ELECTRONICS	CH21/22	J13
			5	5	14	18B				AUDIO ELECTRONICS	CH23/24	J14

C-LDCLKA			8	1	2	6				VU PANEL CONTROL CONN.	CH 1-4	J02
			8	2	2	6				VU PANEL CONTROL CONN.	CH 5-8	J02

C-LDCLKB			8	1	4	6				VU PANEL CONTROL CONN.	CH 9-12	J04
			8	2	4	6				VU PANEL CONTROL CONN.	CH 13-16	J04

C-LDCLKC			8	1	6	6				VU PANEL CONTROL CONN.	CH 17-20	J06
			8	2	6	6				VU PANEL CONTROL CONN.	CH 21-24	J06

C-LDDATA			8	1	2	4				VU PANEL CONTROL CONN.	CH 1-4	J02
			8	2	2	4				VU PANEL CONTROL CONN.	CH 5-8	J02

C-LDDATB			8	1	4	4				VU PANEL CONTROL CONN.	CH 9-12	J04
			8	2	4	4				VU PANEL CONTROL CONN.	CH 13-16	J04

C-LDDATC			8	1	6	4				VU PANEL CONTROL CONN.	CH 17-20	J06
			8	2	6	4				VU PANEL CONTROL CONN.	CH 21-24	J06

C-LDSTR1			3	5	2	7				VU PANEL CONTROL CONNECTOR		J01
			8	1	2	5				VU PANEL CONTROL CONN.	CH 1-4	J02

C-LDSTR2			3	5	2	6				VU PANEL CONTROL CONNECTOR		J01
			8	2	2	5				VU PANEL CONTROL CONN.	CH 5-8	J02

C-LDSTR3			4	5	2	7				VU PANEL CONTROL CONNECTOR		J01
			8	1	4	5				VU PANEL CONTROL CONN.	CH 9-12	J04

C-LDSTR4			4	5	2	6				VU PANEL CONTROL CONNECTOR		J01
			8	2	4	5				VU PANEL CONTROL CONN.	CH 13-16	J04

C-LDSTR5			5	5	2	7				VU PANEL CONTROL CONNECTOR		J01
			8	1	6	5				VU PANEL CONTROL CONN.	CH 17-20	J06

C-LDSTR6			5	5	2	6				VU PANEL CONTROL CONNECTOR		J01
			8	2	6	5				VU PANEL CONTROL CONN.	CH 21-24	J06

C-LEDCLK			3	5	2	8				VU PANEL CONTROL CONNECTOR		J01
			3	5	2	9				VU PANEL CONTROL CONNECTOR		J01
			4	5	2	8				VU PANEL CONTROL CONNECTOR		J01
			4	5	2	9				VU PANEL CONTROL CONNECTOR		J01
			5	5	2	8				VU PANEL CONTROL CONNECTOR		J01
			5	5	2	9				VU PANEL CONTROL CONNECTOR		J01

C-LEDDAT			3	5	2	10				VU PANEL CONTROL CONNECTOR		J01
			3	5	2	11				VU PANEL CONTROL CONNECTOR		J01
			4	5	2	10				VU PANEL CONTROL CONNECTOR		J01
			4	5	2	11				VU PANEL CONTROL CONNECTOR		J01
			5	5	2	10				VU PANEL CONTROL CONNECTOR		J01
			5	5	2	11				VU PANEL CONTROL CONNECTOR		J01

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
C-OEREC			3	1	1	12A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	2	1	12A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	3	1	12A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	4	1	12A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	11	12A				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	12A				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	12A				AUDIO ELECTRONICS CH5/6	J13	
			3	5	14	12A				AUDIO ELECTRONICS CH7/8	J14	
			4	1	1	12A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	2	1	12A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	3	1	12A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	4	1	12A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	11	12A				AUDIO ELECTRONICS CH9/10	J11	
			4	5	12	12A				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	12A				AUDIO ELECTRONICS CH13/14	J13	
			4	5	14	12A				AUDIO ELECTRONICS CH15/16	J14	
			5	1	1	12A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	2	1	12A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	3	1	12A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	4	1	12A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	11	12A				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	12A				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	12A				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	12A				AUDIO ELECTRONICS CH23/24	J14	
CD4-R2	0		7	7	1	4			L	RECTIFIER	D201	70.01.0232
CPHASE-R	2		1	38	1	1			F	FROM GRP39, ELM02	J01	
	2		1	38	4	1			L	STATOR (WIRE FIELD)		
			1	39	2	1			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
CPHASE-S	0		1	38	1	3			F	FROM GRP39, ELM02	J01	
	0		1	38	4	2			L	STATOR (WIRE FIELD)		
			1	39	2	3			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
CPHASE-T	9		1	38	1	2			F	FROM GRP39, ELM02	J01	
	9		1	38	4	3			L	STATOR (WIRE FIELD)		
			1	39	2	2			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
CVIDEO	9		1	23	13	2			L	COMP. VIDEO IN	J12	
	9		1	23	14	2			L	COMP. VIDEO IN	J13	
DATASTR			3	1	1	15A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	2	1	15A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	3	1	15A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	4	1	15A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	11	15A				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	15A				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	15A				AUDIO ELECTRONICS CH5/6	J13	
			3	5	14	15A				AUDIO ELECTRONICS CH7/8	J14	
			4	1	1	15A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	2	1	15A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	3	1	15A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	4	1	15A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	11	15A				AUDIO ELECTRONICS CH9/10	J11	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<<-- CONT.OF DATASTR			4	5	12	15A				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	15A				AUDIO ELECTRONICS CH13/14	J13	
			4	5	14	15A				AUDIO ELECTRONICS CH15/16	J14	
			5	1	1	15A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	2	1	15A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	3	1	15A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	4	1	15A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	11	15A				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	15A				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	15A				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	15A				AUDIO ELECTRONICS CH23/24	J14	
DC4-R1	2		7	7	1	3			L	RECTIFIER	D201	70.01.0232
DC4-R3	2		7	7	2	3			L	RECTIFIER	D202	70.01.0232
DC4-R4	0		7	7	2	4			L	RECTIFIER	D202	70.01.0232
DC5-R1	2		7	7	3	3			L	RECTIFIER	D203	70.01.0232
DC5-R2	0		7	7	3	4			L	RECTIFIER	D203	70.01.0232
DC5-R3	2		7	7	4	3			L	RECTIFIER	D204	70.01.0232
DC5-R4	0		7	7	4	4			L	RECTIFIER	D204	70.01.0232
DC6-R1	2		7	7	5	3			L	RECTIFIER	D205	70.01.0232
DC6-R2	0		7	7	5	4			L	RECTIFIER	D205	70.01.0232
DC6-R3	2		7	7	6	3			L	RECTIFIER	D206	70.01.0232
DC6-R4	0		7	7	6	4			L	RECTIFIER	D206	70.01.0232
ERAHH-01			2	1	1	12				ERASE HEAD, CH 01 TO 08	P01	
			3	1	2	10				HEAD BLOCK CABLE CONN. CH1/2	J1	
ERAHH-02			2	1	1	10				ERASE HEAD, CH 01 TO 08	P01	
			3	1	2	5				HEAD BLOCK CABLE CONN. CH1/2	J1	
ERAHH-03			2	1	1	9				ERASE HEAD, CH 01 TO 08	P01	
			3	2	2	10				HEAD BLOCK CABLE CONN. CH3/4	J1	
ERAHH-04			2	1	1	7				ERASE HEAD, CH 01 TO 08	P01	
			3	2	2	5				HEAD BLOCK CABLE CONN. CH3/4	J1	
ERAHH-05			2	1	1	6				ERASE HEAD, CH 01 TO 08	P01	
			3	3	2	10				HEAD BLOCK CABLE CONN. CH5/6	J1	
ERAHH-06			2	1	1	4				ERASE HEAD, CH 01 TO 08	P01	
			3	3	2	5				HEAD BLOCK CABLE CONN. CH5/6	J1	
ERAHH-07			2	1	1	3				ERASE HEAD, CH 01 TO 08	P01	
			3	4	2	10				HEAD BLOCK CABLE CONN. CH7/8	J1	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
ERAHH-08			2	1	1	1				ERASE HEAD, CH 01 TO 08	P01	
			3	4	2	5				HEAD BLOCK CABLE CONN. CH7/8	J1	
ERAHH-09			2	1	2	12				ERASE HEAD, CH 09 TO 16	P02	
			4	1	2	10				HEAD BLOCK CABLE CONN. CH9/10	J1	
ERAHH-10			2	1	2	10				ERASE HEAD, CH 09 TO 16	P02	
			4	1	2	5				HEAD BLOCK CABLE CONN. CH9/10	J1	
ERAHH-11			2	1	2	9				ERASE HEAD, CH 09 TO 16	P02	
			4	2	2	10				HEAD BLOCK CABLE CONN. CH11/12	J1	
ERAHH-12			2	1	2	7				ERASE HEAD, CH 09 TO 16	P02	
			4	2	2	5				HEAD BLOCK CABLE CONN. CH11/12	J1	
ERAHH-13			2	1	2	6				ERASE HEAD, CH 09 TO 16	P02	
			4	3	2	10				HEAD BLOCK CABLE CONN. CH13/14	J1	
ERAHH-14			2	1	2	4				ERASE HEAD, CH 09 TO 16	P02	
			4	3	2	5				HEAD BLOCK CABLE CONN. CH13/14	J1	
ERAHH-15			2	1	2	3				ERASE HEAD, CH 09 TO 16	P02	
			4	4	2	10				HEAD BLOCK CABLE CONN. CH15/16	J1	
ERAHH-16			2	1	2	1				ERASE HEAD, CH 09 TO 16	P02	
			4	4	2	5				HEAD BLOCK CABLE CONN. CH15/16	J1	
ERAHH-17			2	1	3	12				ERASE HEAD, CH 17 TO 24	P03	
			5	1	2	10				HEAD BLOCK CABLE CONN. CH17/18	J1	
ERAHH-18			2	1	3	10				ERASE HEAD, CH 17 TO 24	P03	
			5	1	2	5				HEAD BLOCK CABLE CONN. CH17/18	J1	
ERAHH-19			2	1	3	9				ERASE HEAD, CH 17 TO 24	P03	
			5	2	2	10				HEAD BLOCK CABLE CONN. CH19/20	J1	
ERAHH-20			2	1	3	7				ERASE HEAD, CH 17 TO 24	P03	
			5	2	2	5				HEAD BLOCK CABLE CONN. CH19/20	J1	
ERAHH-21			2	1	3	6				ERASE HEAD, CH 17 TO 24	P03	
			5	3	2	10				HEAD BLOCK CABLE CONN. CH21/22	J1	
ERAHH-22			2	1	3	4				ERASE HEAD, CH 17 TO 24	P03	
			5	3	2	5				HEAD BLOCK CABLE CONN. CH21/22	J1	
ERAHH-23			2	1	3	3				ERASE HEAD, CH 17 TO 24	P03	
			5	4	2	10				HEAD BLOCK CABLE CONN. CH23/24	J1	
ERAHH-24			2	1	3	1				ERASE HEAD, CH 17 TO 24	P03	
			5	4	2	5				HEAD BLOCK CABLE CONN. CH23/24	J1	
ERAHL-01			2	1	1	25				ERASE HEAD, CH 01 TO 08	P01	
			3	1	2	9				HEAD BLOCK CABLE CONN. CH1/2	J1	
ERAHL-02			2	1	1	23				ERASE HEAD, CH 01 TO 08	P01	
			3	1	2	4				HEAD BLOCK CABLE CONN. CH1/2	J1	

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
ERAHL-03			2	1	1	22				ERASE HEAD, CH 01 TO 08	P01	
			3	2	2	9				HEAD BLOCK CABLE CONN. CH3/4	J1	
ERAHL-04			2	1	1	20				ERASE HEAD, CH 01 TO 08	P01	
			3	2	2	4				HEAD BLOCK CABLE CONN. CH3/4	J1	
ERAHL-05			2	1	1	19				ERASE HEAD, CH 01 TO 08	P01	
			3	3	2	9				HEAD BLOCK CABLE CONN. CH5/6	J1	
ERAHL-06			2	1	1	17				ERASE HEAD, CH 01 TO 08	P01	
			3	3	2	4				HEAD BLOCK CABLE CONN. CH5/6	J1	
ERAHL-07			2	1	1	16				ERASE HEAD, CH 01 TO 08	P01	
			3	4	2	9				HEAD BLOCK CABLE CONN. CH7/8	J1	
ERAHL-08			2	1	1	14				ERASE HEAD, CH 01 TO 08	P01	
			3	4	2	4				HEAD BLOCK CABLE CONN. CH7/8	J1	
ERAHL-09			2	1	2	25				ERASE HEAD, CH 09 TO 16	P02	
			4	1	2	9				HEAD BLOCK CABLE CONN. CH9/10	J1	
ERAHL-10			2	1	2	23				ERASE HEAD, CH 09 TO 16	P02	
			4	1	2	4				HEAD BLOCK CABLE CONN. CH9/10	J1	
ERAHL-11			2	1	2	22				ERASE HEAD, CH 09 TO 16	P02	
			4	2	2	9				HEAD BLOCK CABLE CONN. CH11/12	J1	
ERAHL-12			2	1	2	20				ERASE HEAD, CH 09 TO 16	P02	
			4	2	2	4				HEAD BLOCK CABLE CONN. CH11/12	J1	
ERAHL-13			2	1	2	19				ERASE HEAD, CH 09 TO 16	P02	
			4	3	2	9				HEAD BLOCK CABLE CONN. CH13/14	J1	
ERAHL-14			2	1	2	17				ERASE HEAD, CH 09 TO 16	P02	
			4	3	2	4				HEAD BLOCK CABLE CONN. CH13/14	J1	
ERAHL-15			2	1	2	16				ERASE HEAD, CH 09 TO 16	P02	
			4	4	2	9				HEAD BLOCK CABLE CONN. CH15/16	J1	
ERAHL-16			2	1	2	14				ERASE HEAD, CH 09 TO 16	P02	
			4	4	2	4				HEAD BLOCK CABLE CONN. CH15/16	J1	
ERAHL-17			2	1	3	25				ERASE HEAD, CH 17 TO 24	P03	
			5	1	2	9				HEAD BLOCK CABLE CONN. CH17/18	J1	
ERAHL-18			2	1	3	23				ERASE HEAD, CH 17 TO 24	P03	
			5	1	2	4				HEAD BLOCK CABLE CONN. CH17/18	J1	
ERAHL-19			2	1	3	22				ERASE HEAD, CH 17 TO 24	P03	
			5	2	2	9				HEAD BLOCK CABLE CONN. CH19/20	J1	
ERAHL-20			2	1	3	20				ERASE HEAD, CH 17 TO 24	P03	
			5	2	2	4				HEAD BLOCK CABLE CONN. CH19/20	J1	
ERAHL-21			2	1	3	19				ERASE HEAD, CH 17 TO 24	P03	
			5	3	2	9				HEAD BLOCK CABLE CONN. CH21/22	J1	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
ERAHL-22			2	1	3	17				ERASE HEAD, CH 17 TO 24		P03
			5	3	2	4				HEAD BLOCK CABLE CONN. CH21/22	J1	
ERAHL-23			2	1	3	16				ERASE HEAD, CH 17 TO 24		P03
			5	4	2	9				HEAD BLOCK CABLE CONN. CH23/24	J1	
ERAHL-24			2	1	3	14				ERASE HEAD, CH 17 TO 24		P03
			5	4	2	4				HEAD BLOCK CABLE CONN. CH23/24	J1	
ERAHO-01			2	1	1	24				ERASE HEAD, CH 01 TO 08		P01
ERAHO-02			2	1	1	11				ERASE HEAD, CH 01 TO 08		P01
ERAHO-03			2	1	1	21				ERASE HEAD, CH 01 TO 08		P01
ERAHO-04			2	1	1	8				ERASE HEAD, CH 01 TO 08		P01
ERAHO-05			2	1	1	18				ERASE HEAD, CH 01 TO 08		P01
ERAHO-06			2	1	1	5				ERASE HEAD, CH 01 TO 08		P01
ERAHO-07			2	1	1	15				ERASE HEAD, CH 01 TO 08		P01
ERAHO-08			2	1	1	2				ERASE HEAD, CH 01 TO 08		P01
ERAHO-09			2	1	2	24				ERASE HEAD, CH 09 TO 16		P02
ERAHO-10			2	1	2	11				ERASE HEAD, CH 09 TO 16		P02
ERAHO-11			2	1	2	21				ERASE HEAD, CH 09 TO 16		P02
ERAHO-12			2	1	2	8				ERASE HEAD, CH 09 TO 16		P02
ERAHO-13			2	1	2	18				ERASE HEAD, CH 09 TO 16		P02
ERAHO-14			2	1	2	5				ERASE HEAD, CH 09 TO 16		P02
ERAHO-15			2	1	2	15				ERASE HEAD, CH 09 TO 16		P02
ERAHO-16			2	1	2	2				ERASE HEAD, CH 09 TO 16		P02
ERAHO-17			2	1	3	24				ERASE HEAD, CH 17 TO 24		P03
ERAHO-18			2	1	3	11				ERASE HEAD, CH 17 TO 24		P03
ERAHO-19			2	1	3	21				ERASE HEAD, CH 17 TO 24		P03
ERAHO-20			2	1	3	8				ERASE HEAD, CH 17 TO 24		P03
ERAHO-21			2	1	3	18				ERASE HEAD, CH 17 TO 24		P03
ERAHO-22			2	1	3	5				ERASE HEAD, CH 17 TO 24		P03
ERAHO-23			2	1	3	15				ERASE HEAD, CH 17 TO 24		P03
ERAHO-24			2	1	3	2				ERASE HEAD, CH 17 TO 24		P03

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
ERASC-01			3	1	2	22				HEAD BLOCK CABLE CONN. CH1/2	J1	
ERASC-02			3	1	2	17				HEAD BLOCK CABLE CONN. CH1/2	J1	
ERASC-03			3	2	2	22				HEAD BLOCK CABLE CONN. CH3/4	J1	
ERASC-04			3	2	2	17				HEAD BLOCK CABLE CONN. CH3/4	J1	
ERASC-05			3	3	2	22				HEAD BLOCK CABLE CONN. CH5/6	J1	
ERASC-06			3	3	2	17				HEAD BLOCK CABLE CONN. CH5/6	J1	
ERASC-07			3	4	2	22				HEAD BLOCK CABLE CONN. CH7/8	J1	
ERASC-08			3	4	2	17				HEAD BLOCK CABLE CONN. CH7/8	J1	
ERASC-09			4	1	2	22				HEAD BLOCK CABLE CONN. CH9/10	J1	
ERASC-10			4	1	2	17				HEAD BLOCK CABLE CONN. CH9/10	J1	
ERASC-11			4	2	2	22				HEAD BLOCK CABLE CONN. CH11/12	J1	
ERASC-12			4	2	2	17				HEAD BLOCK CABLE CONN. CH11/12	J1	
ERASC-13			4	3	2	22				HEAD BLOCK CABLE CONN. CH13/14	J1	
ERASC-14			4	3	2	17				HEAD BLOCK CABLE CONN. CH13/14	J1	
ERASC-15			4	4	2	22				HEAD BLOCK CABLE CONN. CH15/16	J1	
ERASC-16			4	4	2	17				HEAD BLOCK CABLE CONN. CH15/16	J1	
ERASC-17			5	1	2	22				HEAD BLOCK CABLE CONN. CH17/18	J1	
ERASC-18			5	1	2	17				HEAD BLOCK CABLE CONN. CH17/18	J1	
ERASC-19			5	2	2	22				HEAD BLOCK CABLE CONN. CH19/20	J1	
ERASC-20			5	2	2	17				HEAD BLOCK CABLE CONN. CH19/20	J1	
ERASC-21			5	3	2	22				HEAD BLOCK CABLE CONN. CH21/22	J1	
ERASC-22			5	3	2	17				HEAD BLOCK CABLE CONN. CH21/22	J1	
ERASC-23			5	4	2	22				HEAD BLOCK CABLE CONN. CH23/24	J1	
ERASC-24			5	4	2	17				HEAD BLOCK CABLE CONN. CH23/24	J1	
FAD1			1	23	8	11			B	CONN. PARALLEL REMOTE CONTROL	J07	
			1	24	10	11			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	11			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	27	4	21				TO GRP24, ELM02 (PAR. REMOTE CTL)P03		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
FAD2			1	23	8	12			B	CONN. PARALLEL REMOTE CONTROL	J07	
			1	24	10	12			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	12			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	27	4	23				TO GRP24, ELM02 (PAR. REMOTE CTL)P03		
FRMGND			1	20	31	1				TO SMPTE/EBU CONNECTOR	P21	
			1	20	31	8				TO SMPTE/EBU CONNECTOR	P21	
			1	20	50	1				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	50	8				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	23	10	1				SERIAL REMOTE	J09	
			1	23	10	9				SERIAL REMOTE	J09	
			1	23	11	1				SERIAL REMOTE	J10	
			1	23	11	9				SERIAL REMOTE	J10	
			1	25	5	1			B	CONNECTOR SMPTE/EBU BUS	J05	
			1	25	5	9			B	CONNECTOR SMPTE/EBU BUS	J05	
			1	25	6	1			B	CONNECTOR SMPTE/EBU BUS	J04	
			1	25	6	9			B	CONNECTOR SMPTE/EBU BUS	J04	
GND			1	20	30	1				SSDA INT. SYNCHRONIZER	P20	
			1	20	30	8				SSDA INT. SYNCHRONIZER	P20	
			1	27	5	1			Y	GROUND PIN	P05	
			1	34	1	1			J	GROUND CONNECTION	P01	
0			1	35	1	7			L	WIRE FIELD		
0			1	35	1	55			L	WIRE FIELD		
0			1	35	1	55			L	WIRE FIELD		
0			1	35	6	1			J	TO GRP34, ELM01	J06	
0			1	38	5	1			L	GROUND CONNECTION (WIRE FIELD)		
			2	2	2	1				OUTPUT	P01	
			2	2	2	14				OUTPUT	P01	
			2	3	2	1				OUTPUT	P01	
			2	3	2	14				OUTPUT	P01	
			2	4	2	1				OUTPUT	P01	
			2	4	2	14				OUTPUT	P01	
0			2	5	1	1			L	OUTPUT	P01	
0			2	5	1	2			L			
0			2	5	1	3			L			
			2	5	1	4						
			3	1	1	1A				BASIS BOARD CONNECTOR	CH1/2	P1
			3	1	1	1B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	1	1	30A				BASIS BOARD CONNECTOR	CH1/2	P1
			3	1	1	30B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	1A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	1B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	30A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	2	1	30B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	3	1	1A				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	1	1B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	1	30A				BASIS BOARD CONNECTOR	CH5/6	J13
			3	3	1	30B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	1A				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	1B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	30A				BASIS BOARD CONNECTOR	CH7/8	J14
			3	4	1	30B				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	11	1A				AUDIO ELECTRONICS	CH1/2	J11
			3	5	11	1B				AUDIO ELECTRONICS	CH1/2	J11

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			3	5	11	30A				AUDIO ELECTRONICS	CH1/2	J11
GND			3	5	11	30B				AUDIO ELECTRONICS	CH1/2	J11
			3	5	12	1A				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	1B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	30A				AUDIO ELECTRONICS	CH3/4	J12
			3	5	12	30B				AUDIO ELECTRONICS	CH3/4	J12
			3	5	13	1A				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	1B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	30A				AUDIO ELECTRONICS	CH5/6	J13
			3	5	13	30B				AUDIO ELECTRONICS	CH5/6	J13
			3	5	14	1A				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	1B				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	30A				AUDIO ELECTRONICS	CH7/8	J14
			3	5	14	30B				AUDIO ELECTRONICS	CH7/8	J14
			4	1	1	1A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	1B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	30A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	1	1	30B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	1A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	1B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	30A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	2	1	30B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	1A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	1B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	30A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	3	1	30B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	1A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	1B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	30A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	4	1	30B				BASIS BOARD CONNECTOR	CH15/16	J14
			4	5	11	1A				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	1B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	30A				AUDIO ELECTRONICS	CH9/10	J11
			4	5	11	30B				AUDIO ELECTRONICS	CH9/10	J11
			4	5	12	1A				AUDIO ELECTRONICS	CH11/12	J12
			4	5	12	1B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	12	30A				AUDIO ELECTRONICS	CH11/12	J12
			4	5	12	30B				AUDIO ELECTRONICS	CH11/12	J12
			4	5	13	1A				AUDIO ELECTRONICS	CH13/14	J13
			4	5	13	1B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	13	30A				AUDIO ELECTRONICS	CH13/14	J13
			4	5	13	30B				AUDIO ELECTRONICS	CH13/14	J13
			4	5	14	1A				AUDIO ELECTRONICS	CH15/16	J14
			4	5	14	1B				AUDIO ELECTRONICS	CH15/16	J14
			4	5	14	30A				AUDIO ELECTRONICS	CH15/16	J14
			4	5	14	30B				AUDIO ELECTRONICS	CH15/16	J14
			5	1	1	1A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	1B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	30A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	1	1	30B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	1A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	1B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	30A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	2	1	30B				BASIS BOARD CONNECTOR	CH19/20	J12

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF GND			5	3	1	1A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	1B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	30A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	3	1	30B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	1A				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	1	1B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	1	30A				BASIS BOARD CONNECTOR	CH23/24	J14
			5	4	1	30B				BASIS BOARD CONNECTOR	CH23/24	J14
			5	5	11	1A				AUDIO ELECTRONICS	CH17/18	J11
			5	5	11	1B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	11	30A				AUDIO ELECTRONICS	CH17/18	J11
			5	5	11	30B				AUDIO ELECTRONICS	CH17/18	J11
			5	5	12	1A				AUDIO ELECTRONICS	CH19/20	J12
			5	5	12	1B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	12	30A				AUDIO ELECTRONICS	CH19/20	J12
			5	5	12	30B				AUDIO ELECTRONICS	CH19/20	J12
			5	5	13	1A				AUDIO ELECTRONICS	CH21/22	J13
			5	5	13	1B				AUDIO ELECTRONICS	CH21/22	J13
			5	5	13	30A				AUDIO ELECTRONICS	CH21/22	J13
			5	5	13	30B				AUDIO ELECTRONICS	CH21/22	J13
		5	5	14	1A				AUDIO ELECTRONICS	CH23/24	J14	
		5	5	14	1B				AUDIO ELECTRONICS	CH23/24	J14	
		5	5	14	30A				AUDIO ELECTRONICS	CH23/24	J14	
		5	5	14	30B				AUDIO ELECTRONICS	CH23/24	J14	
	5-4		7	1	1	3			J	POWER INPUT		P01
	5-4		7	1	2	3			J	POWER OUTPUT		J01
IR-REFAR			1	24	11	13			B	CONN. AUDIO REMOTE CONTROL		J03
IR-REFEX			1	23	8	13			B	CONN. PARALLEL REMOTE CONTROL		J07
			1	24	2	25				FROM GRP27, ELM04 (PAR. REMOTE)		P02
			1	27	3	25				TO GRP24, ELM01 (SYNCHRONIZER)		P03
			1	27	4	25				TO GRP24, ELM02 (PAR. REMOTE CTL)		P03
IR-REFPR			1	24	10	13			B	CONN. PARALLEL REMOTE CONTROL		J03
IR-REFSY			1	24	9	13			B	CONNECTOR SYNCHRONIZER CONTROL		J01
K-BRAKEL			1	20	43	31A				TAPE DECK PERIPHERY CONTR.		J04
	1		1	20	63	1			U	WIRE FIELD (TO BRAKE SOLENOIDS)		
	1		1	20	72	2			F	TO BRAKE SOLENOID, LEFT		P25
	1		1	40	1	2			M	BRAKE SOLENOID		
K-BRAKER			1	20	43	32A				TAPE DECK PERIPHERY CONTR.		J04
	4		1	20	63	2			U	WIRE FIELD (TO BRAKE SOLENOIDS)		
	4		1	20	73	2			F	TO BRAKE SOLENOID, RIGHT		P26
	4		1	41	1	2			M	BRAKE SOLENOID		
KEY/CDIR			1	24	1	15				FROM GRP27, ELM03 (SYNCHRONIZER)		P01
			1	24	2	15				FROM GRP27, ELM04 (PAR. REMOTE)		P02
			1	24	9	8			B	CONNECTOR SYNCHRONIZER CONTROL		J01
			1	27	3	15				TO GRP24, ELM01 (SYNCHRONIZER)		P03
LCU-A		2	1	23	9	14			B	LOCAL CONTROL UNIT		J08

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LCU-B	3		1	23	9	7			B	LOCAL CONTROL UNIT		J08
LINA-01			3	5	21	2				LINE INPUT, CH 1		XLR J21
			4	5	21	2				LINE INPUT, CH 9		XLR J21
			5	5	21	2				LINE INPUT, CH 17		XLR J21
LINA-02			3	5	22	2				LINE INPUT, CH 2		XLR J22
			4	5	22	2				LINE INPUT, CH 10		XLR J22
			5	5	22	2				LINE INPUT, CH 18		XLR J22
LINA-03			3	5	23	2				LINE INPUT, CH 3		XLR J23
			4	5	23	2				LINE INPUT, CH 11		XLR J23
			5	5	23	2				LINE INPUT, CH 19		XLR J23
LINA-04			3	5	24	2				LINE INPUT, CH 4		XLR J24
			4	5	24	2				LINE INPUT, CH 12		XLR J24
			5	5	24	2				LINE INPUT, CH 20		XLR J24
LINA-05			3	5	25	2				LINE INPUT, CH 5		XLR J25
			4	5	25	2				LINE INPUT, CH 13		XLR J25
			5	5	25	2				LINE INPUT, CH 21		XLR J25
LINA-06			3	5	26	2				LINE INPUT, CH 6		XLR J26
			4	5	26	2				LINE INPUT, CH 14		XLR J26
			5	5	26	2				LINE INPUT, CH 22		XLR J26
LINA-07			3	5	27	2				LINE INPUT, CH 7		XLR J27
			4	5	27	2				LINE INPUT, CH 15		XLR J27
			5	5	27	2				LINE INPUT, CH 23		XLR J27
LINA-08			3	5	28	2				LINE INPUT, CH 8		XLR J28
			4	5	28	2				LINE INPUT, CH 16		XLR J28
			5	5	28	2				LINE INPUT, CH 24		XLR J28
LINB-01			3	5	21	3				LINE INPUT, CH 1		XLR J21
			4	5	21	3				LINE INPUT, CH 9		XLR J21
			5	5	21	3				LINE INPUT, CH 17		XLR J21
LINB-02			3	5	22	3				LINE INPUT, CH 2		XLR J22
			4	5	22	3				LINE INPUT, CH 10		XLR J22
			5	5	22	3				LINE INPUT, CH 18		XLR J22
LINB-03			3	5	23	3				LINE INPUT, CH 3		XLR J23
			4	5	23	3				LINE INPUT, CH 11		XLR J23
			5	5	23	3				LINE INPUT, CH 19		XLR J23
LINB-04			3	5	24	3				LINE INPUT, CH 4		XLR J24
			4	5	24	3				LINE INPUT, CH 12		XLR J24
			5	5	24	3				LINE INPUT, CH 20		XLR J24
LINB-05			3	5	25	3				LINE INPUT, CH 5		XLR J25
			4	5	25	3				LINE INPUT, CH 13		XLR J25
			5	5	25	3				LINE INPUT, CH 21		XLR J25

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LINB-06			3	5	26	3				LINE INPUT, CH 6	XLR J26	
			4	5	26	3				LINE INPUT, CH 14	XLR J26	
			5	5	26	3				LINE INPUT, CH 22	XLR J26	
LINB-07			3	5	27	3				LINE INPUT, CH 7	XLR J27	
			4	5	27	3				LINE INPUT, CH 15	XLR J27	
			5	5	27	3				LINE INPUT, CH 23	XLR J27	
LINB-08			3	5	28	3				LINE INPUT, CH 8	XLR J28	
			4	5	28	3				LINE INPUT, CH 16	XLR J28	
			5	5	28	3				LINE INPUT, CH 24	XLR J28	
LINE1	1		7	1	1	1			J	POWER INPUT	P01	54.42.0026
	1		7	2	6	1			J	MAIN SWITCH	S06	50.17.5003
LINE1-S	1		7	1	2	1			J	POWER OUTPUT	J01	54.42.0200
	1		7	2	6	2			J	MAIN SWITCH	S06	50.17.5003
			7	3	1	1				LINE INPUT	P01	50.25.0003
			7	3	2	1				LINE AUXILIARY	P02	50.25.0003
			7	3	3	1				LINE OUTPUT	P03	50.25.0003
LINE2	6		7	1	1	2			J	POWER INPUT	P01	54.42.0026
	6		7	2	6	3			J	MAIN SWITCH	S06	50.17.5003
LINE2-S	6		7	1	2	2			J	POWER OUTPUT	J01	54.42.0200
	6		7	2	6	4			J	MAIN SWITCH	S06	50.17.5003
			7	3	1	3				LINE INPUT	P01	50.25.0003
			7	3	2	3				LINE AUXILIARY	P02	50.25.0003
			7	3	3	3				LINE OUTPUT	P03	50.25.0003
LINFA-01			3	1	1	2A				BASIS BOARD CONNECTOR	CH1/2 P1	
			3	5	11	2A				AUDIO ELECTRONICS CH1/2	J11	
LINFA-02			3	1	1	31A				BASIS BOARD CONNECTOR	CH1/2 P1	
			3	5	11	31A				AUDIO ELECTRONICS CH1/2	J11	
LINFA-03			3	2	1	2A				BASIS BOARD CONNECTOR	CH3/4 J12	
			3	5	12	2A				AUDIO ELECTRONICS CH3/4	J12	
LINFA-04			3	2	1	31A				BASIS BOARD CONNECTOR	CH3/4 J12	
			3	5	12	31A				AUDIO ELECTRONICS CH3/4	J12	
LINFA-05			3	3	1	2A				BASIS BOARD CONNECTOR	CH5/6 J13	
			3	5	13	2A				AUDIO ELECTRONICS CH5/6	J13	
LINFA-06			3	3	1	31A				BASIS BOARD CONNECTOR	CH5/6 J13	
			3	5	13	31A				AUDIO ELECTRONICS CH5/6	J13	
LINFA-07			3	4	1	2A				BASIS BOARD CONNECTOR	CH7/8 J14	
			3	5	14	2A				AUDIO ELECTRONICS CH7/8	J14	
LINFA-08			3	4	1	31A				BASIS BOARD CONNECTOR	CH7/8 J14	
			3	5	14	31A				AUDIO ELECTRONICS CH7/8	J14	
LINFA-09			4	1	1	2A				BASIS BOARD CONNECTOR	CH9/10 P1	
			4	5	11	2A				AUDIO ELECTRONICS CH9/10	J11	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LINFA-10			4	1	1	31A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	31A				AUDIO ELECTRONICS CH9/10	J11	
LINFA-11			4	2	1	2A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	2A				AUDIO ELECTRONICS CH11/12	J12	
LINFA-12			4	2	1	31A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	31A				AUDIO ELECTRONICS CH11/12	J12	
LINFA-13			4	3	1	2A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	2A				AUDIO ELECTRONICS CH13/14	J13	
LINFA-14			4	3	1	31A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	31A				AUDIO ELECTRONICS CH13/14	J13	
LINFA-15			4	4	1	2A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	2A				AUDIO ELECTRONICS CH15/16	J14	
LINFA-16			4	4	1	31A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	31A				AUDIO ELECTRONICS CH15/16	J14	
LINFA-17			5	1	1	2A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	2A				AUDIO ELECTRONICS CH17/18	J11	
LINFA-18			5	1	1	31A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	31A				AUDIO ELECTRONICS CH17/18	J11	
LINFA-19			5	2	1	2A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	2A				AUDIO ELECTRONICS CH19/20	J12	
LINFA-20			5	2	1	31A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	31A				AUDIO ELECTRONICS CH19/20	J12	
LINFA-21			5	3	1	2A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	2A				AUDIO ELECTRONICS CH21/22	J13	
LINFA-22			5	3	1	31A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	31A				AUDIO ELECTRONICS CH21/22	J13	
LINFA-23			5	4	1	2A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	2A				AUDIO ELECTRONICS CH23/24	J14	
LINFA-24			5	4	1	31A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	31A				AUDIO ELECTRONICS CH23/24	J14	
LINFB-01			3	1	1	3A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	3A				AUDIO ELECTRONICS CH1/2	J11	
LINFB-02			3	1	1	32A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	32A				AUDIO ELECTRONICS CH1/2	J11	
LINFB-03			3	2	1	3A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	3A				AUDIO ELECTRONICS CH3/4	J12	
LINFB-04			3	2	1	32A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	32A				AUDIO ELECTRONICS CH3/4	J12	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LINFB-05			3	3	1	3A				BASIS BOARD CONNECTOR CH5/6 J13		
			3	5	13	3A				AUDIO ELECTRONICS CH5/6 J13		
LINFB-06			3	3	1	32A				BASIS BOARD CONNECTOR CH5/6 J13		
			3	5	13	32A				AUDIO ELECTRONICS CH5/6 J13		
LINFB-07			3	4	1	3A				BASIS BOARD CONNECTOR CH7/8 J14		
			3	5	14	3A				AUDIO ELECTRONICS CH7/8 J14		
LINFB-08			3	4	1	32A				BASIS BOARD CONNECTOR CH7/8 J14		
			3	5	14	32A				AUDIO ELECTRONICS CH7/8 J14		
LINFB-09			4	1	1	3A				BASIS BOARD CONNECTOR CH9/10 P1		
			4	5	11	3A				AUDIO ELECTRONICS CH9/10 J11		
LINFB-10			4	1	1	32A				BASIS BOARD CONNECTOR CH9/10 P1		
			4	5	11	32A				AUDIO ELECTRONICS CH9/10 J11		
LINFB-11			4	2	1	3A				BASIS BOARD CONNECTOR CH11/12 J12		
			4	5	12	3A				AUDIO ELECTRONICS CH11/12 J12		
LINFB-12			4	2	1	32A				BASIS BOARD CONNECTOR CH11/12 J12		
			4	5	12	32A				AUDIO ELECTRONICS CH11/12 J12		
LINFB-13			4	3	1	3A				BASIS BOARD CONNECTOR CH13/14 J13		
			4	5	13	3A				AUDIO ELECTRONICS CH13/14 J13		
LINFB-14			4	3	1	32A				BASIS BOARD CONNECTOR CH13/14 J13		
			4	5	13	32A				AUDIO ELECTRONICS CH13/14 J13		
LINFB-15			4	4	1	3A				BASIS BOARD CONNECTOR CH15/16 J14		
			4	5	14	3A				AUDIO ELECTRONICS CH15/16 J14		
LINFB-16			4	4	1	32A				BASIS BOARD CONNECTOR CH15/16 J14		
			4	5	14	32A				AUDIO ELECTRONICS CH15/16 J14		
LINFB-17			5	1	1	3A				BASIS BOARD CONNECTOR CH17/18 P1		
			5	5	11	3A				AUDIO ELECTRONICS CH17/18 J11		
LINFB-18			5	1	1	32A				BASIS BOARD CONNECTOR CH17/18 P1		
			5	5	11	32A				AUDIO ELECTRONICS CH17/18 J11		
LINFB-19			5	2	1	3A				BASIS BOARD CONNECTOR CH19/20 J12		
			5	5	12	3A				AUDIO ELECTRONICS CH19/20 J12		
LINFB-20			5	2	1	32A				BASIS BOARD CONNECTOR CH19/20 J12		
			5	5	12	32A				AUDIO ELECTRONICS CH19/20 J12		
LINFB-21			5	3	1	3A				BASIS BOARD CONNECTOR CH21/22 J13		
			5	5	13	3A				AUDIO ELECTRONICS CH21/22 J13		
LINFB-22			5	3	1	32A				BASIS BOARD CONNECTOR CH21/22 J13		
			5	5	13	32A				AUDIO ELECTRONICS CH21/22 J13		
LINFB-23			5	4	1	3A				BASIS BOARD CONNECTOR CH23/24 J14		
			5	5	14	3A				AUDIO ELECTRONICS CH23/24 J14		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LINF-24			5	4	1	32A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	32A				AUDIO ELECTRONICS CH23/24	J14	
LINS-01			3	5	21	1				LINE INPUT, CH 1	XLR J21	
			4	5	21	1				LINE INPUT, CH 9	XLR J21	
			5	5	21	1				LINE INPUT, CH 17	XLR J21	
LINS-02			3	5	22	1				LINE INPUT, CH 2	XLR J22	
			4	5	22	1				LINE INPUT, CH 10	XLR J22	
			5	5	22	1				LINE INPUT, CH 18	XLR J22	
LINS-03			3	5	23	1				LINE INPUT, CH 3	XLR J23	
			4	5	23	1				LINE INPUT, CH 11	XLR J23	
			5	5	23	1				LINE INPUT, CH 19	XLR J23	
LINS-04			3	5	24	1				LINE INPUT, CH 4	XLR J24	
			4	5	24	1				LINE INPUT, CH 12	XLR J24	
			5	5	24	1				LINE INPUT, CH 20	XLR J24	
LINS-05			3	5	25	1				LINE INPUT, CH 5	XLR J25	
			4	5	25	1				LINE INPUT, CH 13	XLR J25	
			5	5	25	1				LINE INPUT, CH 21	XLR J25	
LINS-06			3	5	26	1				LINE INPUT, CH 6	XLR J26	
			4	5	26	1				LINE INPUT, CH 14	XLR J26	
			5	5	26	1				LINE INPUT, CH 22	XLR J26	
LINS-07			3	5	27	1				LINE INPUT, CH 7	XLR J27	
			4	5	27	1				LINE INPUT, CH 15	XLR J27	
			5	5	27	1				LINE INPUT, CH 23	XLR J27	
LINS-08			3	5	28	1				LINE INPUT, CH 8	XLR J28	
			4	5	28	1				LINE INPUT, CH 16	XLR J28	
			5	5	28	1				LINE INPUT, CH 24	XLR J28	
LOUFA-01			3	1	1	2B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	2B				AUDIO ELECTRONICS CH1/2	J11	
LOUFA-02			3	1	1	31B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	31B				AUDIO ELECTRONICS CH1/2	J11	
LOUFA-03			3	2	1	2B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	2B				AUDIO ELECTRONICS CH3/4	J12	
LOUFA-04			3	2	1	31B				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	31B				AUDIO ELECTRONICS CH3/4	J12	
LOUFA-05			3	3	1	2B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	2B				AUDIO ELECTRONICS CH5/6	J13	
LOUFA-06			3	3	1	31B				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	31B				AUDIO ELECTRONICS CH5/6	J13	
LOUFA-07			3	4	1	2B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	2B				AUDIO ELECTRONICS CH7/8	J14	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LOUFA-08			3	4	1	31B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	31B				AUDIO ELECTRONICS CH7/8	J14	
LOUFA-09			4	1	1	2B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	2B				AUDIO ELECTRONICS CH9/10	J11	
LOUFA-10			4	1	1	31B				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	31B				AUDIO ELECTRONICS CH9/10	J11	
LOUFA-11			4	2	1	2B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	2B				AUDIO ELECTRONICS CH11/12	J12	
LOUFA-12			4	2	1	31B				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	31B				AUDIO ELECTRONICS CH11/12	J12	
LOUFA-13			4	3	1	2B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	2B				AUDIO ELECTRONICS CH13/14	J13	
LOUFA-14			4	3	1	31B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	31B				AUDIO ELECTRONICS CH13/14	J13	
LOUFA-15			4	4	1	2B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	2B				AUDIO ELECTRONICS CH15/16	J14	
LOUFA-16			4	4	1	31B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	31B				AUDIO ELECTRONICS CH15/16	J14	
LOUFA-17			5	1	1	2B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	2B				AUDIO ELECTRONICS CH17/18	J11	
LOUFA-18			5	1	1	31B				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	31B				AUDIO ELECTRONICS CH17/18	J11	
LOUFA-19			5	2	1	2B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	2B				AUDIO ELECTRONICS CH19/20	J12	
LOUFA-20			5	2	1	31B				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	31B				AUDIO ELECTRONICS CH19/20	J12	
LOUFA-21			5	3	1	2B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	2B				AUDIO ELECTRONICS CH21/22	J13	
LOUFA-22			5	3	1	31B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	31B				AUDIO ELECTRONICS CH21/22	J13	
LOUFA-23			5	4	1	2B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	2B				AUDIO ELECTRONICS CH23/24	J14	
LOUFA-24			5	4	1	31B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	31B				AUDIO ELECTRONICS CH23/24	J14	
LOUFB-01			3	1	1	3B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	3B				AUDIO ELECTRONICS CH1/2	J11	
LOUFB-02			3	1	1	32B				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	32B				AUDIO ELECTRONICS CH1/2	J11	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LOUFB-03			3	2	1	3B				BASIS BOARD CONNECTOR CH3/4 J12		
			3	5	12	3B				AUDIO ELECTRONICS CH3/4 J12		
LOUFB-04			3	2	1	32B				BASIS BOARD CONNECTOR CH3/4 J12		
			3	5	12	32B				AUDIO ELECTRONICS CH3/4 J12		
LOUFB-05			3	3	1	3B				BASIS BOARD CONNECTOR CH5/6 J13		
			3	5	13	3B				AUDIO ELECTRONICS CH5/6 J13		
LOUFB-06			3	3	1	32B				BASIS BOARD CONNECTOR CH5/6 J13		
			3	5	13	32B				AUDIO ELECTRONICS CH5/6 J13		
LOUFB-07			3	4	1	3B				BASIS BOARD CONNECTOR CH7/8 J14		
			3	5	14	3B				AUDIO ELECTRONICS CH7/8 J14		
LOUFB-08			3	4	1	32B				BASIS BOARD CONNECTOR CH7/8 J14		
			3	5	14	32B				AUDIO ELECTRONICS CH7/8 J14		
LOUFB-09			4	1	1	3B				BASIS BOARD CONNECTOR CH9/10 P1		
			4	5	11	3B				AUDIO ELECTRONICS CH9/10 J11		
LOUFB-10			4	1	1	32B				BASIS BOARD CONNECTOR CH9/10 P1		
			4	5	11	32B				AUDIO ELECTRONICS CH9/10 J11		
LOUFB-11			4	2	1	3B				BASIS BOARD CONNECTOR CH11/12 J12		
			4	5	12	3B				AUDIO ELECTRONICS CH11/12 J12		
LOUFB-12			4	2	1	32B				BASIS BOARD CONNECTOR CH11/12 J12		
			4	5	12	32B				AUDIO ELECTRONICS CH11/12 J12		
LOUFB-13			4	3	1	3B				BASIS BOARD CONNECTOR CH13/14 J13		
			4	5	13	3B				AUDIO ELECTRONICS CH13/14 J13		
LOUFB-14			4	3	1	32B				BASIS BOARD CONNECTOR CH13/14 J13		
			4	5	13	32B				AUDIO ELECTRONICS CH13/14 J13		
LOUFB-15			4	4	1	3B				BASIS BOARD CONNECTOR CH15/16 J14		
			4	5	14	3B				AUDIO ELECTRONICS CH15/16 J14		
LOUFB-16			4	4	1	32B				BASIS BOARD CONNECTOR CH15/16 J14		
			4	5	14	32B				AUDIO ELECTRONICS CH15/16 J14		
LOUFB-17			5	1	1	3B				BASIS BOARD CONNECTOR CH17/18 P1		
			5	5	11	3B				AUDIO ELECTRONICS CH17/18 J11		
LOUFB-18			5	1	1	32B				BASIS BOARD CONNECTOR CH17/18 P1		
			5	5	11	32B				AUDIO ELECTRONICS CH17/18 J11		
LOUFB-19			5	2	1	3B				BASIS BOARD CONNECTOR CH19/20 J12		
			5	5	12	3B				AUDIO ELECTRONICS CH19/20 J12		
LOUFB-20			5	2	1	32B				BASIS BOARD CONNECTOR CH19/20 J12		
			5	5	12	32B				AUDIO ELECTRONICS CH19/20 J12		
LOUFB-21			5	3	1	3B				BASIS BOARD CONNECTOR CH21/22 J13		
			5	5	13	3B				AUDIO ELECTRONICS CH21/22 J13		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LOUFB-22			5	3	1	32B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	32B				AUDIO ELECTRONICS CH21/22	J13	
LOUFB-23			5	4	1	3B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	3B				AUDIO ELECTRONICS CH23/24	J14	
LOUFB-24			5	4	1	32B				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	32B				AUDIO ELECTRONICS CH23/24	J14	
LOUTA-01			3	5	31	2				LINE OUTPUT, CH 1	XLR P21	
			4	5	31	2				LINE OUTPUT, CH 9	XLR P21	
			5	5	31	2				LINE OUTPUT, CH 17	XLR P21	
LOUTA-02			3	5	32	2				LINE OUTPUT, CH 2	XLR P22	
			4	5	32	2				LINE OUTPUT, CH 10	XLR P22	
			5	5	32	2				LINE OUTPUT, CH 18	XLR P22	
LOUTA-03			3	5	33	2				LINE OUTPUT, CH 3	XLR P23	
			4	5	33	2				LINE OUTPUT, CH 11	XLR P23	
			5	5	33	2				LINE OUTPUT, CH 19	XLR P23	
LOUTA-04			3	5	34	2				LINE OUTPUT, CH 4	XLR P24	
			4	5	34	2				LINE OUTPUT, CH 12	XLR P24	
			5	5	34	2				LINE OUTPUT, CH 20	XLR P24	
LOUTA-05			3	5	35	2				LINE OUTPUT, CH 5	XLR P25	
			4	5	35	2				LINE OUTPUT, CH 13	XLR P25	
			5	5	35	2				LINE OUTPUT, CH 21	XLR P25	
LOUTA-06			3	5	36	2				LINE OUTPUT, CH 6	XLR P26	
			4	5	36	2				LINE OUTPUT, CH 14	XLR P26	
			5	5	36	2				LINE OUTPUT, CH 22	XLR P26	
LOUTA-07			3	5	37	2				LINE OUTPUT, CH 7	XLR P27	
			4	5	37	2				LINE OUTPUT, CH 15	XLR P27	
			5	5	37	2				LINE OUTPUT, CH 23	XLR P27	
LOUTA-08			3	5	38	2				LINE OUTPUT, CH 8	XLR P28	
			4	5	38	2				LINE OUTPUT, CH 16	XLR P28	
			5	5	38	2				LINE OUTPUT, CH 24	XLR P28	
LOUTB-01			3	5	31	3				LINE OUTPUT, CH 1	XLR P21	
			4	5	31	3				LINE OUTPUT, CH 9	XLR P21	
			5	5	31	3				LINE OUTPUT, CH 17	XLR P21	
LOUTB-02			3	5	32	3				LINE OUTPUT, CH 2	XLR P22	
			4	5	32	3				LINE OUTPUT, CH 10	XLR P22	
			5	5	32	3				LINE OUTPUT, CH 18	XLR P22	
LOUTB-03			3	5	33	3				LINE OUTPUT, CH 3	XLR P23	
			4	5	33	3				LINE OUTPUT, CH 11	XLR P23	
			5	5	33	3				LINE OUTPUT, CH 19	XLR P23	
LOUTB-04			3	5	34	3				LINE OUTPUT, CH 4	XLR P24	
			4	5	34	3				LINE OUTPUT, CH 12	XLR P24	
			5	5	34	3				LINE OUTPUT, CH 20	XLR P24	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
LOUTB-05					3 5 35 3					LINE OUTPUT, CH 5	XLR P25	
					4 5 35 3					LINE OUTPUT, CH 13	XLR P25	
					5 5 35 3					LINE OUTPUT, CH 21	XLR P25	
LOUTB-06					3 5 36 3					LINE OUTPUT, CH 6	XLR P26	
					4 5 36 3					LINE OUTPUT, CH 14	XLR P26	
					5 5 36 3					LINE OUTPUT, CH 22	XLR P26	
LOUTB-07					3 5 37 3					LINE OUTPUT, CH 7	XLR P27	
					4 5 37 3					LINE OUTPUT, CH 15	XLR P27	
					5 5 37 3					LINE OUTPUT, CH 23	XLR P27	
LOUTB-08					3 5 38 3					LINE OUTPUT, CH 8	XLR P28	
					4 5 38 3					LINE OUTPUT, CH 16	XLR P28	
					5 5 38 3					LINE OUTPUT, CH 24	XLR P28	
LOUTS-01					3 5 31 1					LINE OUTPUT, CH 1	XLR P21	
					4 5 31 1					LINE OUTPUT, CH 9	XLR P21	
					5 5 31 1					LINE OUTPUT, CH 17	XLR P21	
LOUTS-02					3 5 32 1					LINE OUTPUT, CH 2	XLR P22	
					4 5 32 1					LINE OUTPUT, CH 10	XLR P22	
					5 5 32 1					LINE OUTPUT, CH 18	XLR P22	
LOUTS-03					3 5 33 1					LINE OUTPUT, CH 3	XLR P23	
					4 5 33 1					LINE OUTPUT, CH 11	XLR P23	
					5 5 33 1					LINE OUTPUT, CH 19	XLR P23	
LOUTS-04					3 5 34 1					LINE OUTPUT, CH 4	XLR P24	
					4 5 34 1					LINE OUTPUT, CH 12	XLR P24	
					5 5 34 1					LINE OUTPUT, CH 20	XLR P24	
LOUTS-05					3 5 35 1					LINE OUTPUT, CH 5	XLR P25	
					4 5 35 1					LINE OUTPUT, CH 13	XLR P25	
					5 5 35 1					LINE OUTPUT, CH 21	XLR P25	
LOUTS-06					3 5 36 1					LINE OUTPUT, CH 6	XLR P26	
					4 5 36 1					LINE OUTPUT, CH 14	XLR P26	
					5 5 36 1					LINE OUTPUT, CH 22	XLR P26	
LOUTS-07					3 5 37 1					LINE OUTPUT, CH 7	XLR P27	
					4 5 37 1					LINE OUTPUT, CH 15	XLR P27	
					5 5 37 1					LINE OUTPUT, CH 23	XLR P27	
LOUTS-08					3 5 38 1					LINE OUTPUT, CH 8	XLR P28	
					4 5 38 1					LINE OUTPUT, CH 16	XLR P28	
					5 5 38 1					LINE OUTPUT, CH 24	XLR P28	
M-FREC	2		1	23	12	6		B	MASTER TALLIES	J11		
M-MOVE1	5		1	23	12	3		B	MASTER TALLIES	J11		
M-MOVE2L	8		1	23	12	9		B	MASTER TALLIES	J11		
M-PLAY	7		1	23	12	4		B	MASTER TALLIES	J11		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
M-REC	6		1	23	12	8			B	MASTER TALLIES	J11	
M-STOP	3		1	23	12	2			B	MASTER TALLIES	J11	
M-TPILOT	4		1	23	12	7			B	MASTER TALLIES	J11	
MBCR	9		1	23	5	3			L	BICODE	J05	
MBCS	4		1	23	5	2			L	BICODE	J05	
MODSTR-A					3 1 1 14A					BASIS BOARD CONNECTOR	CH1/2	P1
					3 2 1 14A					BASIS BOARD CONNECTOR	CH3/4	J12
					3 3 1 14A					BASIS BOARD CONNECTOR	CH5/6	J13
					3 4 1 14A					BASIS BOARD CONNECTOR	CH7/8	J14
					3 5 11 14A					AUDIO ELECTRONICS	CH1/2	J11
					3 5 12 14A					AUDIO ELECTRONICS	CH3/4	J12
					3 5 13 14A					AUDIO ELECTRONICS	CH5/6	J13
					3 5 14 14A					AUDIO ELECTRONICS	CH7/8	J14
					4 1 1 14A					BASIS BOARD CONNECTOR	CH9/10	P1
					4 2 1 14A					BASIS BOARD CONNECTOR	CH11/12	J12
					4 3 1 14A					BASIS BOARD CONNECTOR	CH13/14	J13
					4 4 1 14A					BASIS BOARD CONNECTOR	CH15/16	J14
					4 5 11 14A					AUDIO ELECTRONICS	CH9/10	J11
					4 5 12 14A					AUDIO ELECTRONICS	CH11/12	J12
					4 5 13 14A					AUDIO ELECTRONICS	CH13/14	J13
					4 5 14 14A					AUDIO ELECTRONICS	CH15/16	J14
					5 1 1 14A					BASIS BOARD CONNECTOR	CH17/18	P1
					5 2 1 14A					BASIS BOARD CONNECTOR	CH19/20	J12
					5 3 1 14A					BASIS BOARD CONNECTOR	CH21/22	J13
					5 4 1 14A					BASIS BOARD CONNECTOR	CH23/24	J14
MODSTR-B					3 1 1 13A					BASIS BOARD CONNECTOR	CH1/2	P1
					3 2 1 13A					BASIS BOARD CONNECTOR	CH3/4	J12
					3 3 1 13A					BASIS BOARD CONNECTOR	CH5/6	J13
					3 4 1 13A					BASIS BOARD CONNECTOR	CH7/8	J14
					3 5 11 13A					AUDIO ELECTRONICS	CH1/2	J11
					3 5 12 13A					AUDIO ELECTRONICS	CH3/4	J12
					3 5 13 13A					AUDIO ELECTRONICS	CH5/6	J13
					3 5 14 13A					AUDIO ELECTRONICS	CH7/8	J14
					4 1 1 13A					BASIS BOARD CONNECTOR	CH9/10	P1
					4 2 1 13A					BASIS BOARD CONNECTOR	CH11/12	J12
					4 3 1 13A					BASIS BOARD CONNECTOR	CH13/14	J13
					4 4 1 13A					BASIS BOARD CONNECTOR	CH15/16	J14
					4 5 11 13A					AUDIO ELECTRONICS	CH9/10	J11
					4 5 12 13A					AUDIO ELECTRONICS	CH11/12	J12
					4 5 13 13A					AUDIO ELECTRONICS	CH13/14	J13
					4 5 14 13A					AUDIO ELECTRONICS	CH15/16	J14
					5 1 1 13A					BASIS BOARD CONNECTOR	CH17/18	P1
					5 2 1 13A					BASIS BOARD CONNECTOR	CH19/20	J12
					5 3 1 13A					BASIS BOARD CONNECTOR	CH21/22	J13
					5 4 1 13A					BASIS BOARD CONNECTOR	CH23/24	J14

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF MODSTR-B			5	5	11	13A				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	13A				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	13A				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	13A				AUDIO ELECTRONICS CH23/24	J14	
MODSTR12			3	1	1	17A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	17A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	17A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	17A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	17A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	17A				AUDIO ELECTRONICS CH17/18	J11	
MODSTR34			3	2	1	17A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	17A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	17A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	17A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	17A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	17A				AUDIO ELECTRONICS CH19/20	J12	
MODSTR56			3	3	1	17A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	17A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	17A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	17A				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	17A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	17A				AUDIO ELECTRONICS CH21/22	J13	
MODSTR78			3	4	1	17A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	17A				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	17A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	17A				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	17A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	17A				AUDIO ELECTRONICS CH23/24	J14	
MTC1A	6		1	23	4	2			L	TC IN/PILOT	J06	
	6		1	23	6	2			L	MASTER TC OUT	P01	
	6		1	23	7	2			L	MASTER TC IN	J06	
MTC1B	9		1	23	4	3			L	TC IN/PILOT	J04	
	9		1	23	6	3			L	MASTER TC OUT	P01	
	9		1	23	7	3			L	MASTER TC IN	J06	
OC-RES1			1	20	43	27A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
OC-RES2			1	20	43	28A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
OC-RES3			1	20	43	29A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
OC-RES4			1	20	43	30A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
OR-CMCLK			1	24	1	21				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
			1	24	2	21				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	9	11		B		CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	27	3	21				TO GRP24, ELM01 (SYNCHRONIZER)	P03	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
OR-MVCLK			1	24	1	13				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
			1	24	2	13				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	9	7		B		CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	27	3	13				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
OR-MVDIR			1	24	1	19				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
			1	24	2	19				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	9	10		B		CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	27	3	19				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
OR-SYENB			1	24	1	23				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
			1	24	2	23				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	9	12		B		CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	27	3	23				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
PH-01			7	2	5	3			J	PHILBERT SWITCH (1)	S05	55.12.0001
			7	4	1	1B				PRIMARY DISTRIBUTOR		
PH-02			7	2	5	2			J	PHILBERT SWITCH (1)	S05	55.12.0001
			7	4	1	3B				PRIMARY DISTRIBUTOR		
PH-03			7	2	1	3			J	PHILBERT SWITCH (3)	S01	55.12.0001
			7	4	1	3C				PRIMARY DISTRIBUTOR		
PH-04			7	2	5	4			J	PHILBERT SWITCH (1)	S05	55.12.0001
			7	4	1	4B				PRIMARY DISTRIBUTOR		
PH-05			7	2	1	2			J	PHILBERT SWITCH (3)	S01	55.12.0001
			7	4	1	4C				PRIMARY DISTRIBUTOR		
PH-06			7	2	5	1			J	PHILBERT SWITCH (1)	S05	55.12.0001
			7	4	1	6B				PRIMARY DISTRIBUTOR		
PH-07			7	2	3	3			J	PHILBERT SWITCH (2)	S05	55.12.0001
			7	4	1	6C				PRIMARY DISTRIBUTOR		
PH-08			7	2	3	2			J	PHILBERT SWITCH (2)	S03	55.12.0001
			7	4	1	7B				PRIMARY DISTRIBUTOR		
PH-09			7	2	2	3			J	PHILBERT SWITCH (5)	S02	55.12.0001
			7	4	1	7C				PRIMARY DISTRIBUTOR		
PH-10			7	2	2	2			J	PHILBERT SWITCH (5)	S02	55.12.0001
			7	4	1	8B				PRIMARY DISTRIBUTOR		
PH-11			7	2	3	4			J	PHILBERT SWITCH (2)	S03	55.12.0001
			7	4	1	8C				PRIMARY DISTRIBUTOR		
PH-12			7	2	3	1			J	PHILBERT SWITCH (2)	S03	55.12.0001
			7	4	1	9B				PRIMARY DISTRIBUTOR		
PH-13			7	2	4	3			J	PHILBERT SWITCH (4)	S04	55.12.0001
			7	4	1	9C				PRIMARY DISTRIBUTOR		
PH-14			7	2	4	2			J	PHILBERT SWITCH (4)	S04	55.12.0001
			7	5	1	6B				PRIMARY DISTRIBUTOR		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
PNLBUS1			1	21	1	1				CONNECTOR STUDIOBUS	J02	
			1	21	2	1				CONNECTOR STUDIOBUS	J03	
			1	21	3	1				CONNECTOR STUDIOBUS	J04	
			1	21	20	23				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	24	3	1			BX	FROM GRP 35		
			1	24	4	1				WIRE FIELD		
			1	24	11	26			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	12	7				CONN. AUDIO PARALLEL IF		
		4		1	35	8	1			WIRE FIELD		
		4		1	35	8	2			WIRE FIELD		
		4		1	35	8	3			WIRE FIELD		
		4		1	35	8	4			WIRE FIELD		
				1	35	8	5			WIRE FIELD		
				1	35	8	6			WIRE FIELD		
		0		1	35	51	1			CONN. TO REMOTE CTL. CONNECTOR BOARD		
		4		1	35	60	1		N	FROM GRP21, ELM01	P11	
	PNLBUS2			1	21	1	3				CONNECTOR STUDIOBUS	J02
			1	21	2	3				CONNECTOR STUDIOBUS	J03	
			1	21	3	3				CONNECTOR STUDIOBUS	J04	
			1	21	20	24				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	24	3	2			BX	FROM GRP 35		
			1	24	4	2				WIRE FIELD		
			1	24	11	27			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	12	8				CONN. AUDIO PARALLEL IF		
		5		1	35	9	1			WIRE FIELD		
		5		1	35	9	2			WIRE FIELD		
		5		1	35	9	3			WIRE FIELD		
		5		1	35	9	4			WIRE FIELD		
				1	35	9	5			WIRE FIELD		
				1	35	9	6			WIRE FIELD		
		0		1	35	51	2			CONN. TO REMOTE CTL. CONNECTOR BOARD		
		5		1	35	60	3		N	FROM GRP21, ELM01	P11	
PWMP-L-H1				1	20	1	9				SPOOLING M. DRIVE AMP. LEFT	P01
			1	20	40	28				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	33	2	9				FROM GRP20, ELM01 (BASIS B. TD)	P01	
PWMP-L-H2			1	20	1	10				SPOOLING M. DRIVE AMP. LEFT	P01	
			1	20	40	34				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	33	2	10				FROM GRP20, ELM01 (BASIS B. TD)	P01	
PWMP-L-L1			1	20	1	7				SPOOLING M. DRIVE AMP. LEFT	P01	
			1	20	40	35				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	33	2	7				FROM GRP20, ELM01 (BASIS B. TD)	P01	
PWMP-L-L2			1	20	1	8				SPOOLING M. DRIVE AMP. LEFT	P01	
			1	33	2	8				FROM GRP20, ELM01 (BASIS B. TD)	P01	
PWMP-L-L3			1	20	1	11				SPOOLING M. DRIVE AMP. LEFT	P01	
			1	20	40	29				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	33	2	11				FROM GRP20, ELM01 (BASIS B. TD)	P01	
PWMP-L-L4			1	20	1	12				SPOOLING M. DRIVE AMP. LEFT	P01	
			1	20	40	33				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	33	2	12				FROM GRP20, ELM01 (BASIS B. TD)	P01	

* STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * PAGE 79 *

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
PMMPL-L5			1	20	1	14				SPOOLING M. DRIVE AMP. LEFT	P01	1.820.759.00
			1	20	40	32				SPOOLING MOTOR DRIVER	J01	
			1	33	2	14				FROM GRP20, ELM01 (BASIS B. TD)	P01	
PMMPL-L6			1	20	1	15				SPOOLING M. DRIVE AMP. LEFT	P01	1.820.759.00
			1	20	40	31				SPOOLING MOTOR DRIVER	J01	
			1	33	2	15				FROM GRP20, ELM01 (BASIS B. TD)	P01	
PMMPR-H1			1	20	2	9				SPOOLING M. DRIVE AMP. RIGHT	P02	1.820.759.00
			1	20	40	7				SPOOLING MOTOR DRIVER	J01	
			1	29	5	9				FROM GRP20, ELM02 (BASIS B. TD)	P01	
			1	29	6	9				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
PMMPR-H2			1	30	2	9				FROM GRP29, ELM06	P01	1.820.759.00
			1	20	2	10				SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	20	40	38				SPOOLING MOTOR DRIVER	J01	
			1	29	5	10				FROM GRP20, ELM02 (BASIS B. TD)	P01	
PMMPR-L1			1	29	6	10				TO SPOOLING M. DRIVE AMP. RIGHT	P02	1.820.759.00
			1	30	2	10				FROM GRP29, ELM06	P01	
			1	20	2	7				SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	20	40	39				SPOOLING MOTOR DRIVER	J01	
PMMPR-L2			1	29	5	7				FROM GRP20, ELM02 (BASIS B. TD)	P01	1.820.759.00
			1	29	6	7				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	29	6	8				FROM GRP29, ELM06	P01	
			1	30	2	8				SPOOLING M. DRIVE AMP. RIGHT	P02	
PMMPR-L3			1	29	5	8				FROM GRP20, ELM02 (BASIS B. TD)	P01	1.820.759.00
			1	29	6	11				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	30	2	11				FROM GRP29, ELM06	P01	
			1	20	2	11				SPOOLING M. DRIVE AMP. RIGHT	P02	
PMMPR-L4			1	20	40	8				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	2	12				SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	20	40	37				SPOOLING MOTOR DRIVER	J01	
			1	29	5	12				FROM GRP20, ELM02 (BASIS B. TD)	P01	
PMMPR-L5			1	29	6	12				TO SPOOLING M. DRIVE AMP. RIGHT	P02	1.820.759.00
			1	30	2	12				FROM GRP29, ELM06	P01	
			1	20	2	14				SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	20	40	36				SPOOLING MOTOR DRIVER	J01	
PMMPR-L6			1	29	5	14				FROM GRP20, ELM02 (BASIS B. TD)	P01	1.820.759.00
			1	29	6	14				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	30	2	14				FROM GRP29, ELM06	P01	
			1	20	2	15				SPOOLING M. DRIVE AMP. RIGHT	P02	
RCV-232			1	20	40	10				SPOOLING MOTOR DRIVER	J01	1.820.751.00
			1	29	5	15				FROM GRP20, ELM02 (BASIS B. TD)	P01	
			1	29	6	15				TO SPOOLING M. DRIVE AMP. RIGHT	P02	
			1	30	2	15				FROM GRP29, ELM06	P01	
RCV-232			1	20	50	9				SMPTE/EBU INTERFACE	J11	1.820.751.00

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
RECEIVA			1	20	31	6				TO SMPTE/EBU CONNECTOR	P21	
			1	20	50	6				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	23	10	8				SERIAL REMOTE	J09	
			1	23	11	8				SERIAL REMOTE	J10	
			1	25	5	8			B	CONNECTOR SMPTE/EBU BUS	J05	
			1	25	6	8			B	CONNECTOR SMPTE/EBU BUS	J04	
RECEIVB			1	20	31	5				TO SMPTE/EBU CONNECTOR	P21	
			1	20	50	5				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	23	10	3				SERIAL REMOTE	J09	
			1	23	11	3				SERIAL REMOTE	J10	
			1	25	5	3			B	CONNECTOR SMPTE/EBU BUS	J05	
			1	25	6	3			B	CONNECTOR SMPTE/EBU BUS	J04	
RECEIVCM			1	20	31	7				TO SMPTE/EBU CONNECTOR	P21	
			1	20	50	7				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	23	10	4				SERIAL REMOTE	J09	
			1	23	11	4				SERIAL REMOTE	J10	
			1	25	5	4			B	CONNECTOR SMPTE/EBU BUS	J05	
			1	25	6	4			B	CONNECTOR SMPTE/EBU BUS	J04	
RECHH-01	1		2	1	4	11			A	RECORD HEAD, CH 01 TO 08	P04	
			3	1	2	24				HEAD BLOCK CABLE CONN. CH1/2	J1	
RECHH-02	1		2	1	4	10			A	RECORD HEAD, CH 01 TO 08	P04	
			3	1	2	16				HEAD BLOCK CABLE CONN. CH1/2	J1	
RECHH-03	1		2	1	4	9			A	RECORD HEAD, CH 01 TO 08	P04	
			3	2	2	24				HEAD BLOCK CABLE CONN. CH3/4	J1	
RECHH-04	1		2	1	4	8			A	RECORD HEAD, CH 01 TO 08	P04	
			3	2	2	16				HEAD BLOCK CABLE CONN. CH3/4	J1	
RECHH-05	1		2	1	4	7			A	RECORD HEAD, CH 01 TO 08	P04	
			3	3	2	24				HEAD BLOCK CABLE CONN. CH5/6	J1	
RECHH-06	1		2	1	4	6			A	RECORD HEAD, CH 01 TO 08	P04	
			3	3	2	16				HEAD BLOCK CABLE CONN. CH5/6	J1	
RECHH-07	1		2	1	4	5			A	RECORD HEAD, CH 01 TO 08	P04	
			3	4	2	24				HEAD BLOCK CABLE CONN. CH7/8	J1	
RECHH-08	1		2	1	4	4			A	RECORD HEAD, CH 01 TO 08	P04	
			3	4	2	16				HEAD BLOCK CABLE CONN. CH7/8	J1	
RECHH-09	1		2	1	5	11			A	RECORD HEAD, CH 09 TO 16	P05	
			4	1	2	24				HEAD BLOCK CABLE CONN. CH9/10	J1	
RECHH-10	1		2	1	5	10			A	RECORD HEAD, CH 09 TO 16	P05	
			4	1	2	16				HEAD BLOCK CABLE CONN. CH9/10	J1	
RECHH-11	1		2	1	5	9			A	RECORD HEAD, CH 09 TO 16	P05	
			4	2	2	24				HEAD BLOCK CABLE CONN. CH11/12	J1	
RECHH-12	1		2	1	5	8			A	RECORD HEAD, CH 09 TO 16	P05	
			4	2	2	16				HEAD BLOCK CABLE CONN. CH11/12	J1	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
RECHH-13	1		2	1	5	7			A	RECORD HEAD, CH 09 TO 16 HEAD BLOCK CABLE CONN. CH13/14	P05 J1	
RECHH-14	1		2	1	5	6			A	RECORD HEAD, CH 09 TO 16 HEAD BLOCK CABLE CONN. CH13/14	P05 J1	
RECHH-15	1		2	1	5	5			A	RECORD HEAD, CH 09 TO 16 HEAD BLOCK CABLE CONN. CH15/16	P05 J1	
RECHH-16	1		2	1	5	4			A	RECORD HEAD, CH 09 TO 16 HEAD BLOCK CABLE CONN. CH15/16	P05 J1	
RECHH-17	1		2	1	6	11			A	RECORD HEAD, CH 17 TO 24 HEAD BLOCK CABLE CONN. CH17/18	P06 J1	
RECHH-18	1		2	1	6	10			A	RECORD HEAD, CH 17 TO 24 HEAD BLOCK CABLE CONN. CH17/18	P06 J1	
RECHH-19	1		2	1	6	9			A	RECORD HEAD, CH 17 TO 24 HEAD BLOCK CABLE CONN. CH19/20	P06 J1	
RECHH-20	1		2	1	6	8			A	RECORD HEAD, CH 17 TO 24 HEAD BLOCK CABLE CONN. CH19/20	P06 J1	
RECHH-21	1		2	1	6	7			A	RECORD HEAD, CH 17 TO 24 HEAD BLOCK CABLE CONN. CH21/22	P06 J1	
RECHH-22	1		2	1	6	6			A	RECORD HEAD, CH 17 TO 24 HEAD BLOCK CABLE CONN. CH21/22	P06 J1	
RECHH-23	1		2	1	6	5			A	RECORD HEAD, CH 17 TO 24 HEAD BLOCK CABLE CONN. CH23/24	P06 J1	
RECHH-24	1		2	1	6	4			A	RECORD HEAD, CH 17 TO 24 HEAD BLOCK CABLE CONN. CH23/24	P06 J1	
RECHL-01	0		2	1	4	24			A	RECORD HEAD, CH 01 TO 08 HEAD BLOCK CABLE CONN. CH1/2	P04 J1	
RECHL-02	0		2	1	4	23			A	RECORD HEAD, CH 01 TO 08 HEAD BLOCK CABLE CONN. CH1/2	P04 J1	
RECHL-03	0		2	1	4	22			A	RECORD HEAD, CH 01 TO 08 HEAD BLOCK CABLE CONN. CH3/4	P04 J1	
RECHL-04	0		2	1	4	21			A	RECORD HEAD, CH 01 TO 08 HEAD BLOCK CABLE CONN. CH3/4	P04 J1	
RECHL-05	0		2	1	4	20			A	RECORD HEAD, CH 01 TO 08 HEAD BLOCK CABLE CONN. CH5/6	P04 J1	
RECHL-06	0		2	1	4	19			A	RECORD HEAD, CH 01 TO 08 HEAD BLOCK CABLE CONN. CH5/6	P04 J1	
RECHL-07	0		2	1	4	18			A	RECORD HEAD, CH 01 TO 08 HEAD BLOCK CABLE CONN. CH7/8	P04 J1	

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 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 82 *

 * 1.927.07Z.00 * A 927 TAPE TRANSPORT & AUDIO MCH * * 21/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
RECHL-08	0		2	1	4	17			A	RECORD HEAD, CH 01 TO 08	P04	
			3	4	2	15				HEAD BLOCK CABLE CONN. CH7/8	J1	
RECHL-09	0		2	1	5	24			A	RECORD HEAD, CH 09 TO 16	P05	
			4	1	2	23				HEAD BLOCK CABLE CONN. CH9/10	J1	
RECHL-10	0		2	1	5	23			A	RECORD HEAD, CH 09 TO 16	P05	
			4	1	2	15				HEAD BLOCK CABLE CONN. CH9/10	J1	
RECHL-11	0		2	1	5	22			A	RECORD HEAD, CH 09 TO 16	P05	
			4	2	2	23				HEAD BLOCK CABLE CONN. CH11/12	J1	
RECHL-12	0		2	1	5	21			A	RECORD HEAD, CH 09 TO 16	P05	
			4	2	2	15				HEAD BLOCK CABLE CONN. CH11/12	J1	
RECHL-13	0		2	1	5	20			A	RECORD HEAD, CH 09 TO 16	P05	
			4	3	2	23				HEAD BLOCK CABLE CONN. CH13/14	J1	
RECHL-14	0		2	1	5	19			A	RECORD HEAD, CH 09 TO 16	P05	
			4	3	2	15				HEAD BLOCK CABLE CONN. CH13/14	J1	
RECHL-15	0		2	1	5	18			A	RECORD HEAD, CH 09 TO 16	P05	
			4	4	2	23				HEAD BLOCK CABLE CONN. CH15/16	J1	
RECHL-16	0		2	1	5	17			A	RECORD HEAD, CH 09 TO 16	P05	
			4	4	2	15				HEAD BLOCK CABLE CONN. CH15/16	J1	
RECHL-17	0		2	1	6	24			A	RECORD HEAD, CH 17 TO 24	P06	
			5	1	2	23				HEAD BLOCK CABLE CONN. CH17/18	J1	
RECHL-18	0		2	1	6	23			A	RECORD HEAD, CH 17 TO 24	P06	
			5	1	2	15				HEAD BLOCK CABLE CONN. CH17/18	J1	
RECHL-19	0		2	1	6	22			A	RECORD HEAD, CH 17 TO 24	P06	
			5	2	2	23				HEAD BLOCK CABLE CONN. CH19/20	J1	
RECHL-20	0		2	1	6	21			A	RECORD HEAD, CH 17 TO 24	P06	
			5	2	2	15				HEAD BLOCK CABLE CONN. CH19/20	J1	
RECHL-21	0		2	1	6	20			A	RECORD HEAD, CH 17 TO 24	P06	
			5	3	2	23				HEAD BLOCK CABLE CONN. CH21/22	J1	
RECHL-22	0		2	1	6	19			A	RECORD HEAD, CH 17 TO 24	P06	
			5	3	2	15				HEAD BLOCK CABLE CONN. CH21/22	J1	
RECHL-23	0		2	1	6	18			A	RECORD HEAD, CH 17 TO 24	P06	
			5	4	2	23				HEAD BLOCK CABLE CONN. CH23/24	J1	
RECHL-24	0		2	1	6	17			A	RECORD HEAD, CH 17 TO 24	P06	
			5	4	2	15				HEAD BLOCK CABLE CONN. CH23/24	J1	
RECS-01			3	1	2	11				HEAD BLOCK CABLE CONN. CH1/2	J1	
RECS-02			3	1	2	3				HEAD BLOCK CABLE CONN. CH1/2	J1	
RECS-03			3	2	2	11				HEAD BLOCK CABLE CONN. CH3/4	J1	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
RECSC-04			3	2	2	3				HEAD BLOCK CABLE CONN. CH3/4	J1	
RECSC-05			3	3	2	11				HEAD BLOCK CABLE CONN. CH5/6	J1	
RECSC-06			3	3	2	3				HEAD BLOCK CABLE CONN. CH5/6	J1	
RECSC-07			3	4	2	11				HEAD BLOCK CABLE CONN. CH7/8	J1	
RECSC-08			3	4	2	3				HEAD BLOCK CABLE CONN. CH7/8	J1	
RECSC-09			4	1	2	11				HEAD BLOCK CABLE CONN. CH9/10	J1	
RECSC-10			4	1	2	3				HEAD BLOCK CABLE CONN. CH9/10	J1	
RECSC-11			4	2	2	11				HEAD BLOCK CABLE CONN. CH11/12	J1	
RECSC-12			4	2	2	3				HEAD BLOCK CABLE CONN. CH11/12	J1	
RECSC-13			4	3	2	11				HEAD BLOCK CABLE CONN. CH13/14	J1	
RECSC-14			4	3	2	3				HEAD BLOCK CABLE CONN. CH13/14	J1	
RECSC-15			4	4	2	11				HEAD BLOCK CABLE CONN. CH15/16	J1	
RECSC-16			4	4	2	3				HEAD BLOCK CABLE CONN. CH15/16	J1	
RECSC-17			5	1	2	11				HEAD BLOCK CABLE CONN. CH17/18	J1	
RECSC-18			5	1	2	3				HEAD BLOCK CABLE CONN. CH17/18	J1	
RECSC-19			5	2	2	11				HEAD BLOCK CABLE CONN. CH19/20	J1	
RECSC-20			5	2	2	3				HEAD BLOCK CABLE CONN. CH19/20	J1	
RECSC-21			5	3	2	11				HEAD BLOCK CABLE CONN. CH21/22	J1	
RECSC-22			5	3	2	3				HEAD BLOCK CABLE CONN. CH21/22	J1	
RECSC-23			5	4	2	11				HEAD BLOCK CABLE CONN. CH23/24	J1	
RECSC-24			5	4	2	3				HEAD BLOCK CABLE CONN. CH23/24	J1	
RECSTR12			3	1	1	16A				BASIS BOARD CONNECTOR CH1/2	P1	
			3	5	11	16A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	16A				BASIS BOARD CONNECTOR CH9/10	P1	
			4	5	11	16A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	16A				BASIS BOARD CONNECTOR CH17/18	P1	
			5	5	11	16A				AUDIO ELECTRONICS CH17/18	J11	
RECSTR34			3	2	1	16A				BASIS BOARD CONNECTOR CH3/4	J12	
			3	5	12	16A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	16A				BASIS BOARD CONNECTOR CH11/12	J12	
			4	5	12	16A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	16A				BASIS BOARD CONNECTOR CH19/20	J12	
			5	5	12	16A				AUDIO ELECTRONICS CH19/20	J12	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
RECSTR56			3	3	1	16A				BASIS BOARD CONNECTOR CH5/6	J13	
			3	5	13	16A				AUDIO ELECTRONICS CH5/6	J13	
			4	3	1	16A				BASIS BOARD CONNECTOR CH13/14	J13	
			4	5	13	16A				AUDIO ELECTRONICS CH13/14	J13	
			5	3	1	16A				BASIS BOARD CONNECTOR CH21/22	J13	
			5	5	13	16A				AUDIO ELECTRONICS CH21/22	J13	
RECSTR78			3	4	1	16A				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	14	16A				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	16A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	14	16A				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	16A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	14	16A				AUDIO ELECTRONICS CH23/24	J14	
REPHH-01	1		2	1	7	11			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	11				INPUT	J01	
REPHH-02	1		2	1	7	10			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	10				INPUT	J01	
REPHH-03	1		2	1	7	9			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	9				INPUT	J01	
REPHH-04	1		2	1	7	8			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	8				INPUT	J01	
REPHH-05	1		2	1	7	7			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	7				INPUT	J01	
REPHH-06	1		2	1	7	6			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	6				INPUT	J01	
REPHH-07	1		2	1	7	5			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	5				INPUT	J01	
REPHH-08	1		2	1	7	4			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	4				INPUT	J01	
REPHH-09	1		2	1	8	11			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	11				INPUT	J01	
REPHH-10	1		2	1	8	10			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	10				INPUT	J01	
REPHH-11	1		2	1	8	9			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	9				INPUT	J01	
REPHH-12	1		2	1	8	8			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	8				INPUT	J01	
REPHH-13	1		2	1	8	7			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	7				INPUT	J01	
REPHH-14	1		2	1	8	6			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	6				INPUT	J01	

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* STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 85 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
REPHH-15	1		2	1	8	5			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	5				INPUT	J01	
REPHH-16	1		2	1	8	4			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	4				INPUT	J01	
REPHH-17	1		2	1	9	11			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	11				INPUT	J01	
REPHH-18	1		2	1	9	10			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	10				INPUT	J01	
REPHH-19	1		2	1	9	9			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	9				INPUT	J01	
REPHH-20	1		2	1	9	8			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	8				INPUT	J01	
REPHH-21	1		2	1	9	7			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	7				INPUT	J01	
REPHH-22	1		2	1	9	6			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	6				INPUT	J01	
REPHH-23	1		2	1	9	5			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	5				INPUT	J01	
REPHH-24	1		2	1	9	4			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	4				INPUT	J01	
REPHL-01	0		2	1	7	24			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	24				INPUT	J01	
REPHL-02	0		2	1	7	23			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	23				INPUT	J01	
REPHL-03	0		2	1	7	22			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	22				INPUT	J01	
REPHL-04	0		2	1	7	21			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	21				INPUT	J01	
REPHL-05	0		2	1	7	20			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	20				INPUT	J01	
REPHL-06	0		2	1	7	19			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	19				INPUT	J01	
REPHL-07	0		2	1	7	18			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	18				INPUT	J01	
REPHL-08	0		2	1	7	17			A	REPRODUCE HEAD, CH 01 TO 08	P07	
			2	2	1	17				INPUT	J01	
REPHL-09	0		2	1	8	24			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	24				INPUT	J01	

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
REPHL-10	0		2	1	8	23			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	23				INPUT	J01	
REPHL-11	0		2	1	8	22			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	22				INPUT	J01	
REPHL-12	0		2	1	8	21			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	21				INPUT	J01	
REPHL-13	0		2	1	8	20			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	20				INPUT	J01	
REPHL-14	0		2	1	8	19			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	19				INPUT	J01	
REPHL-15	0		2	1	8	18			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	18				INPUT	J01	
REPHL-16	0		2	1	8	17			A	REPRODUCE HEAD, CH 09 TO 16	P08	
			2	3	1	17				INPUT	J01	
REPHL-17	0		2	1	9	24			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	24				INPUT	J01	
REPHL-18	0		2	1	9	23			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	23				INPUT	J01	
REPHL-19	0		2	1	9	22			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	22				INPUT	J01	
REPHL-20	0		2	1	9	21			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	21				INPUT	J01	
REPHL-21	0		2	1	9	20			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	20				INPUT	J01	
REPHL-22	0		2	1	9	19			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	19				INPUT	J01	
REPHL-23	0		2	1	9	18			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	18				INPUT	J01	
REPHL-24	0		2	1	9	17			A	REPRODUCE HEAD, CH 17 TO 24	P09	
			2	4	1	17				INPUT	J01	
REPRE-01			2	2	2	11				OUTPUT	P01	
			3	1	2	13				HEAD BLOCK CABLE CONN. CH1/2	J1	
REPRE-02			2	2	2	10				OUTPUT	P01	
			3	1	2	2				HEAD BLOCK CABLE CONN. CH1/2	J1	
REPRE-03			2	2	2	9				OUTPUT	P01	
			3	2	2	13				HEAD BLOCK CABLE CONN. CH3/4	J1	
REPRE-04			2	2	2	8				OUTPUT	P01	
			3	2	2	2				HEAD BLOCK CABLE CONN. CH3/4	J1	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
REPRE-05			2	2	2	7				OUTPUT		
			3	3	2	13				HEAD BLOCK CABLE CONN. CH5/6	P01 J1	
REPRE-06			2	2	2	6				OUTPUT		
			3	3	2	2				HEAD BLOCK CABLE CONN. CH5/6	P01 J1	
REPRE-07			2	2	2	5				OUTPUT		
			3	4	2	13				HEAD BLOCK CABLE CONN. CH7/8	P01 J1	
REPRE-08			2	2	2	4				OUTPUT		
			3	4	2	2				HEAD BLOCK CABLE CONN. CH7/8	P01 J1	
REPRE-09			2	3	2	11				OUTPUT		
			4	1	2	13				HEAD BLOCK CABLE CONN. CH9/10	P01 J1	
REPRE-10			2	3	2	10				OUTPUT		
			4	1	2	2				HEAD BLOCK CABLE CONN. CH9/10	P01 J1	
REPRE-11			2	3	2	9				OUTPUT		
			4	2	2	13				HEAD BLOCK CABLE CONN. CH11/12	P01 J1	
REPRE-12			2	3	2	8				OUTPUT		
			4	2	2	2				HEAD BLOCK CABLE CONN. CH11/12	P01 J1	
REPRE-13			2	3	2	7				OUTPUT		
			4	3	2	13				HEAD BLOCK CABLE CONN. CH13/14	P01 J1	
REPRE-14			2	3	2	6				OUTPUT		
			4	3	2	2				HEAD BLOCK CABLE CONN. CH13/14	P01 J1	
REPRE-15			2	3	2	5				OUTPUT		
			4	4	2	13				HEAD BLOCK CABLE CONN. CH15/16	P01 J1	
REPRE-16			2	3	2	4				OUTPUT		
			4	4	2	2				HEAD BLOCK CABLE CONN. CH15/16	P01 J1	
REPRE-17			2	4	2	11				OUTPUT		
			5	1	2	13				HEAD BLOCK CABLE CONN. CH17/18	P01 J1	
REPRE-18			2	4	2	10				OUTPUT		
			5	1	2	2				HEAD BLOCK CABLE CONN. CH17/18	P01 J1	
REPRE-19			2	4	2	9				OUTPUT		
			5	2	2	13				HEAD BLOCK CABLE CONN. CH19/20	P01 J1	
REPRE-20			2	4	2	8				OUTPUT		
			5	2	2	2				HEAD BLOCK CABLE CONN. CH19/20	P01 J1	
REPRE-21			2	4	2	7				OUTPUT		
			5	3	2	13				HEAD BLOCK CABLE CONN. CH21/22	P01 J1	
REPRE-22			2	4	2	6				OUTPUT		
			5	3	2	2				HEAD BLOCK CABLE CONN. CH21/22	P01 J1	
REPRE-23			2	4	2	5				OUTPUT		
			5	4	2	13				HEAD BLOCK CABLE CONN. CH23/24	P01 J1	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
REPRE-24			2	4	2	4				OUTPUT HEAD BLOCK CABLE CONN. CH23/24	P01 J1	
			5	4	2	2						
REPRO-01			2	2	2	24				OUTPUT HEAD BLOCK CABLE CONN. CH1/2	P01 J1	
			3	1	2	12						
REPRO-02			2	2	2	23				OUTPUT HEAD BLOCK CABLE CONN. CH1/2	P01 J1	
			3	1	2	1						
REPRO-03			2	2	2	22				OUTPUT HEAD BLOCK CABLE CONN. CH3/4	P01 J1	
			3	2	2	12						
REPRO-04			2	2	2	21				OUTPUT HEAD BLOCK CABLE CONN. CH3/4	P01 J1	
			3	2	2	1						
REPRO-05			2	2	2	20				OUTPUT HEAD BLOCK CABLE CONN. CH5/6	P01 J1	
			3	3	2	12						
REPRO-06			2	2	2	19				OUTPUT HEAD BLOCK CABLE CONN. CH5/6	P01 J1	
			3	3	2	1						
REPRO-07			2	2	2	18				OUTPUT HEAD BLOCK CABLE CONN. CH7/8	P01 J1	
			3	4	2	12						
REPRO-08			2	2	2	17				OUTPUT HEAD BLOCK CABLE CONN. CH7/8	P01 J1	
			3	4	2	1						
REPRO-09			2	3	2	24				OUTPUT HEAD BLOCK CABLE CONN. CH9/10	P01 J1	
			4	1	2	12						
REPRO-10			2	3	2	23				OUTPUT HEAD BLOCK CABLE CONN. CH9/10	P01 J1	
			4	1	2	1						
REPRO-11			2	3	2	22				OUTPUT HEAD BLOCK CABLE CONN. CH11/12	P01 J1	
			4	2	2	12						
REPRO-12			2	3	2	21				OUTPUT HEAD BLOCK CABLE CONN. CH11/12	P01 J1	
			4	2	2	1						
REPRO-13			2	3	2	20				OUTPUT HEAD BLOCK CABLE CONN. CH13/14	P01 J1	
			4	3	2	12						
REPRO-14			2	3	2	19				OUTPUT HEAD BLOCK CABLE CONN. CH13/14	P01 J1	
			4	3	2	1						
REPRO-15			2	3	2	18				OUTPUT HEAD BLOCK CABLE CONN. CH15/16	P01 J1	
			4	4	2	12						
REPRO-16			2	3	2	17				OUTPUT HEAD BLOCK CABLE CONN. CH15/16	P01 J1	
			4	4	2	1						
REPRO-17			2	4	2	24				OUTPUT HEAD BLOCK CABLE CONN. CH17/18	P01 J1	
			5	1	2	12						
REPRO-18			2	4	2	23				OUTPUT HEAD BLOCK CABLE CONN. CH17/18	P01 J1	
			5	1	2	1						

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
REPRO-19			2	4	2	22				OUTPUT		P01
			5	2	2	12				HEAD BLOCK CABLE CONN. CH19/20		J1
REPRO-20			2	4	2	21				OUTPUT		P01
			5	2	2	1				HEAD BLOCK CABLE CONN. CH19/20		J1
REPRO-21			2	4	2	20				OUTPUT		P01
			5	3	2	12				HEAD BLOCK CABLE CONN. CH21/22		J1
REPRO-22			2	4	2	19				OUTPUT		P01
			5	3	2	1				HEAD BLOCK CABLE CONN. CH21/22		J1
REPRO-23			2	4	2	18				OUTPUT		P01
			5	4	2	12				HEAD BLOCK CABLE CONN. CH23/24		J1
REPRO-24			2	4	2	17				OUTPUT		P01
			5	4	2	1				HEAD BLOCK CABLE CONN. CH23/24		J1
REPSC-01			3	1	2	25				HEAD BLOCK CABLE CONN. CH1/2		J1
REPSC-02			3	1	2	14				HEAD BLOCK CABLE CONN. CH1/2		J1
REPSC-03			3	2	2	25				HEAD BLOCK CABLE CONN. CH3/4		J1
REPSC-04			3	2	2	14				HEAD BLOCK CABLE CONN. CH3/4		J1
REPSC-05			3	3	2	25				HEAD BLOCK CABLE CONN. CH5/6		J1
REPSC-06			3	3	2	14				HEAD BLOCK CABLE CONN. CH5/6		J1
REPSC-07			3	4	2	25				HEAD BLOCK CABLE CONN. CH7/8		J1
REPSC-08			3	4	2	14				HEAD BLOCK CABLE CONN. CH7/8		J1
REPSC-09			4	1	2	25				HEAD BLOCK CABLE CONN. CH9/10		J1
REPSC-10			4	1	2	14				HEAD BLOCK CABLE CONN. CH9/10		J1
REPSC-11			4	2	2	25				HEAD BLOCK CABLE CONN. CH11/12		J1
REPSC-12			4	2	2	14				HEAD BLOCK CABLE CONN. CH11/12		J1
REPSC-13			4	3	2	25				HEAD BLOCK CABLE CONN. CH13/14		J1
REPSC-14			4	3	2	14				HEAD BLOCK CABLE CONN. CH13/14		J1
REPSC-15			4	4	2	25				HEAD BLOCK CABLE CONN. CH15/16		J1
REPSC-16			4	4	2	14				HEAD BLOCK CABLE CONN. CH15/16		J1
REPSC-17			5	1	2	25				HEAD BLOCK CABLE CONN. CH17/18		J1
REPSC-18			5	1	2	14				HEAD BLOCK CABLE CONN. CH17/18		J1
REPSC-19			5	2	2	25				HEAD BLOCK CABLE CONN. CH19/20		J1

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
REPSC-20			5	2	2	14				HEAD BLOCK CABLE CONN. CH19/20		J1
REPSC-21			5	3	2	25				HEAD BLOCK CABLE CONN. CH21/22		J1
REPSC-22			5	3	2	14				HEAD BLOCK CABLE CONN. CH21/22		J1
REPSC-23			5	4	2	25				HEAD BLOCK CABLE CONN. CH23/24		J1
REPSC-24			5	4	2	14				HEAD BLOCK CABLE CONN. CH23/24		J1
RES			1	27	4	22				TO GRP24, ELM02 (PAR. REMOTE CTL)		P03
RESERVE			1	35	30	9			BX	AUDIO RACK CH 1 TO 8		J01
			1	35	31	9			BX	AUDIO RACK CH 9 TO 16		J02
			1	35	32	9			BX	AUDIO RACK CH 17 TO 24		J03
			1	35	33	9			BX			J04
			1	35	34	9			BX			J05
			2	2	2	13				OUTPUT		P01
			2	2	2	25				OUTPUT		P01
			2	3	2	13				OUTPUT		P01
			2	3	2	25				OUTPUT		P01
			2	4	2	13				OUTPUT		P01
			2	4	2	25				OUTPUT		P01
			7	3	1	2				LINE INPUT		P01
			7	3	2	2				LINE AUXILIARY		P02
			7	3	3	2				LINE OUTPUT		P03
RESERVE1	3		1	35	25	1			U	WIRE FIELD		
			1	35	25	2				WIRE FIELD		
			1	35	25	3				WIRE FIELD		
			1	35	25	4				WIRE FIELD		
	3		1	35	59	3			M	TO GRP20, ELM70		P10
RESERVE2	0		1	35	26	1			U	WIRE FIELD		
			1	35	26	2				WIRE FIELD		
			1	35	26	3				WIRE FIELD		
			1	35	26	4				WIRE FIELD		
	0		1	35	59	22			M	TO GRP20, ELM70		P10
RESERVE3			1	35	27	1				WIRE FIELD		
			1	35	27	2				WIRE FIELD		
			1	35	27	3				WIRE FIELD		
			1	35	27	4				WIRE FIELD		
S-ENABLE	8		1	23	9	12			B	LOCAL CONTROL UNIT		J08
SBCR	9		1	23	1	3			L	BICODE/PILOT		J01
SBCS	4		1	23	1	2			L	BICODE/PILOT		J01
SHIELD	S		1	23	1	1			L	BICODE/PILOT		J01
	S		1	23	2	1			L	SLAVE TC OUT		J02
	S		1	23	3	1			L	SLAVE TC IN		J03
	S		1	23	4	1			L	TC IN/PILOT		J04
	S		1	23	5	1			L	BICODE		J05

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF SHIELD	S	4	1	23	6	1			L	MASTER TC OUT	P01	
			1	23	7	1			L	MASTER TC IN	J06	
			1	23	9	15			B	LOCAL CONTROL UNIT	J08	
			1	25	7	1			B	CONN. AUTOLOCATOR, REMOTE TIMER TO GRP25, ELM01 (REMOTE PANEL)	J01 P02	
SIGN.GND			1	25	7	8			B	CONN. AUTOLOCATOR, REMOTE TIMER TO GRP25, ELM01 (REMOTE PANEL)	J01 P02	
			1	26	2	6						
SND-232			1	20	50	14				SMPTE/EBU INTERFACE	J11	1.820.751.00
SPARE			1	20	31	9				TO SMPTE/EBU CONNECTOR	P21	
			1	23	10	5				SERIAL REMOTE	J09	
			1	23	11	5				SERIAL REMOTE	J10	
			1	25	5	5			B	CONNECTOR SMPTE/EBU BUS	J05	
SR-FADRY			1	23	8	6			B	CONN. PARALLEL REMOTE CONTROL	J07	
			1	24	10	6			B	CONN. PARALLEL REMOTE CONTROL	J03	
SR-FORM			1	24	11	6			B	CONN. AUDIO REMOTE CONTROL TO GRP24, ELM02 (PAR. REMOTE CTL)	J03 P03	
			1	23	8	21			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
			1	24	1	16				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	2	16				CONNECTOR SYNCHRONIZER CONTROL	J01	
SR-LIFT			1	24	9	21			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	10	21			B	CONN. AUDIO REMOTE CONTROL TO GRP24, ELM01 (SYNCHRONIZER)	J03 P05	
			1	24	11	21			B	TO GRP24, ELM02 (PAR. REMOTE CTL)	P03	
			1	27	3	16				CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
			1	24	1	8				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	2	8				CONNECTOR SYNCHRONIZER CONTROL	J01	
SR-LOCST			1	24	10	17			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	17			B	CONN. AUDIO REMOTE CONTROL TO GRP24, ELM01 (SYNCHRONIZER)	J03 P03	
			1	27	3	8				TO GRP24, ELM02 (PAR. REMOTE CTL)	P03	
			1	27	4	8				CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
SR-MUTE			1	24	1	10			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM04 (PAR. REMOTE)	J03 P02	
			1	24	2	10				CONNECTOR SYNCHRONIZER CONTROL TO GRP24, ELM01 (SYNCHRONIZER)	J01 P03	
			1	27	3	8				CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
SR-PLAY			1	24	2	18			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM04 (PAR. REMOTE)	J03 P02	
			1	24	2	18				CONNECTOR SYNCHRONIZER CONTROL TO GRP24, ELM01 (SYNCHRONIZER)	J01 P03	
			1	24	9	22			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CCNT.OF SR-PLAY	4		1	24	10	22			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	22			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	25	7	6			B	CONN. AUTOLOCATOR, REMOTE TIMER TO GRP25, ELM01 (REMOTE PANEL)	J01 P02	
			1	26	3	3				TO PAR. REM. IF	J01	
			1	27	3	18				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
			1	27	4	18				TO GRP24, ELM02 (PAR. REMOTE CTL)	P03	
SR-REC	3		1	27	6	3				CONN. AUTOLOC - PARALLEL	P06	
			1	23	8	19			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
			1	24	1	12				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	2	12				CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	24	10	19			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	19			B	CONN. AUDIO REMOTE CONTROL	J03	
SR-REHSL			1	25	7	2			B	CONN. AUTOLOCATOR, REMOTE TIMER TO GRP25, ELM01 (REMOTE PANEL)	J01 P02	
			1	26	2	3				TO PAR. REM. IF	J01	
			1	26	3	2				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
			1	27	3	12				TO GRP24, ELM02 (PAR. REMOTE CTL)	P03	
			1	27	4	12				CONN. AUTOLOC - PARALLEL	P06	
			1	27	6	2				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
SR-RESET			1	24	2	11			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM04 (PAR. REMOTE)	J03 P02	
			1	24	9	6				CONNECTOR SYNCHRONIZER CONTROL TO GRP24, ELM01 (SYNCHRONIZER)	J01 P03	
			1	27	3	11				CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
SR-RVPS			1	23	8	10			B	CONN. PARALLEL REMOTE CONTROL	J07	
			1	24	10	10			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	10			B	CONN. AUDIO REMOTE CONTROL TO GRP24, ELM02 (PAR. REMOTE CTL)	J03 P03	
			1	27	4	19				CONNECTOR SYNCHRONIZER CONTROL	J01	
SR-REW			1	24	9	24			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
			1	24	1	14				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	2	14				CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	24	9	20			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	10	20			B	CONN. AUDIO REMOTE CONTROL TO GRP24, ELM01 (SYNCHRONIZER)	J03 P03	
			1	24	11	20				TO GRP24, ELM02 (PAR. REMOTE CTL)	P03	
SR-STOP			1	24	1	22				FROM GRP27, ELM03 (SYNCHRONIZER)	P01	
			1	24	2	22				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	27	3	22				TO GRP24, ELM01 (SYNCHRONIZER)	P03	
SR-STOP			1	23	8	23			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
			1	24	1	20				FROM GRP27, ELM04 (PAR. REMOTE)	P02	
			1	24	2	20				CONNECTOR SYNCHRONIZER CONTROL	J01	
			1	24	9	23			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	10	23			B	CONN. AUDIO REMOTE CONTROL TO GRP24, ELM01 (SYNCHRONIZER)	J03 P03	
			1	24	11	23				TO GRP24, ELM02 (PAR. REMOTE CTL)	P03	
			1	27	3	20				CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM03 (SYNCHRONIZER)	J07 P01	
			1	27	4	20				FROM GRP27, ELM04 (PAR. REMOTE)	P02	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
SR-VRSPD			1	23	8	5			B	CONN. PARALLEL REMOTE CONTROL FROM GRP27, ELM04 (PAR. REMOTE) TO GRP24, ELM01 (SYNCHRONIZER) TO GRP24, ELM02 (PAR. REMOTE CTL)	J07 P02 P03 J03	
SR-VSAR			1	24	11	5			B	CONN. AUDIO REMOTE CONTROL	J03	
SR-VSPR			1	24	10	5			B	CONN. PARALLEL REMOTE CONTROL	J03	
SR-VSSY			1	24	9	5			B	CONNECTOR SYNCHRONIZER CONTROL	J01	
SR-OLCC			1	23	8	14			B	CONN. PARALLEL REMOTE CONTROL	J07	
			1	24	10	14			B	CONN. PARALLEL REMOTE CONTROL	J03	
			1	24	11	14			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	27	4	2				TO GRP24, ELM02 (PAR. REMOTE CTL)	J03	
STC1A	6		1	23	2	2			L	SLAVE TC OUT	J02	
	6		1	23	3	2			L	SLAVE TC IN	J03	
STC1B	9		1	23	2	3			L	SLAVE TC OUT	J02	
	9		1	23	3	3			L	SLAVE TC IN	J03	
SYCOM0			3	1	1	4A				BASIS BOARD CONNECTOR	CH1/2	P1
			3	5	7	3				SYNC COMPENSATION TO CH 1	J07	
			3	5	11	4A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	4A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	5	7	3				SYNC COMPENSATION TO CH 9	J07	
			4	5	11	4A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	4A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	5	7	3				SYNC COMPENSATION TO CH 17	J07	
			5	5	11	4A				AUDIO ELECTRONICS CH17/18	J11	
SYCOM1			3	1	1	5A				BASIS BOARD CONNECTOR	CH1/2	P1
			3	5	7	2				SYNC COMPENSATION TO CH 1	J07	
			3	5	11	5A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	5A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	5	7	2				SYNC COMPENSATION TO CH 9	J07	
			4	5	11	5A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	5A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	5	7	2				SYNC COMPENSATION TO CH 17	J07	
			5	5	11	5A				AUDIO ELECTRONICS CH17/18	J11	
SYCOM2			3	1	1	28B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	4A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	5	11	28B				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	4A				AUDIO ELECTRONICS CH3/4	J12	
			4	1	1	28B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	4A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	5	11	28B				AUDIO ELECTRONICS CH9/10	J11	
			4	5	12	4A				AUDIO ELECTRONICS CH11/12	J12	
			5	1	1	28B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	4A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	5	11	28B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	4A				AUDIO ELECTRONICS CH19/20	J12	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
SYCOM3			3	1	1	29B				BASIS BOARD CONNECTOR	CH1/2	P1
			3	2	1	5A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	5	11	29B				AUDIO ELECTRONICS CH1/2	J11	
			3	5	12	5A				AUDIO ELECTRONICS CH3/4	J12	
			4	1	1	29B				BASIS BOARD CONNECTOR	CH9/10	P1
			4	2	1	5A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	5	11	29B				AUDIO ELECTRONICS CH9/10	J11	
			4	5	12	5A				AUDIO ELECTRONICS CH11/12	J12	
			5	1	1	29B				BASIS BOARD CONNECTOR	CH17/18	P1
			5	2	1	5A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	5	11	29B				AUDIO ELECTRONICS CH17/18	J11	
			5	5	12	5A				AUDIO ELECTRONICS CH19/20	J12	
SYCOM4			3	2	1	28B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	5	1	4A				BASIS BOARD CONNECTOR	CH5/6	J13
			3	5	12	28B				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	4A				AUDIO ELECTRONICS CH5/6	J13	
			4	2	1	28B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	4A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	5	12	28B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	4A				AUDIO ELECTRONICS CH13/14	J13	
			5	2	1	28B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	4A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	5	12	28B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	4A				AUDIO ELECTRONICS CH21/22	J13	
SYCOM5			3	2	1	29B				BASIS BOARD CONNECTOR	CH3/4	J12
			3	3	1	5A				BASIS BOARD CONNECTOR	CH5/6	J13
			3	5	12	29B				AUDIO ELECTRONICS CH3/4	J12	
			3	5	13	5A				AUDIO ELECTRONICS CH5/6	J13	
			4	2	1	29B				BASIS BOARD CONNECTOR	CH11/12	J12
			4	3	1	5A				BASIS BOARD CONNECTOR	CH13/14	J13
			4	5	12	29B				AUDIO ELECTRONICS CH11/12	J12	
			4	5	13	5A				AUDIO ELECTRONICS CH13/14	J13	
			5	2	1	29B				BASIS BOARD CONNECTOR	CH19/20	J12
			5	3	1	5A				BASIS BOARD CONNECTOR	CH21/22	J13
			5	5	12	29B				AUDIO ELECTRONICS CH19/20	J12	
			5	5	13	5A				AUDIO ELECTRONICS CH21/22	J13	
SYCOM6			3	3	1	28B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	4A				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	13	28B				AUDIO ELECTRONICS CH5/6	J13	
			3	5	14	4A				AUDIO ELECTRONICS CH7/8	J14	
			4	3	1	28B				BASIS BOARD CONNECTOR	CH13/14	J13
			4	4	1	4A				BASIS BOARD CONNECTOR	CH15/16	J14
			4	5	13	28B				AUDIO ELECTRONICS CH13/14	J13	
			4	5	14	4A				AUDIO ELECTRONICS CH15/16	J14	
			5	3	1	28B				BASIS BOARD CONNECTOR	CH21/22	J13
			5	4	1	4A				BASIS BOARD CONNECTOR	CH23/24	J14
			5	5	13	28B				AUDIO ELECTRONICS CH21/22	J13	
			5	5	14	4A				AUDIO ELECTRONICS CH23/24	J14	
SYCOM7			3	3	1	29B				BASIS BOARD CONNECTOR	CH5/6	J13
			3	4	1	5A				BASIS BOARD CONNECTOR	CH7/8	J14
			3	5	13	29B				AUDIO ELECTRONICS CH5/6	J13	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF SYCOM7			3	5	14	5A				AUDIO ELECTRONICS CH7/8	J14	
			4	3	1	29B				BASIS BOARD CONNECTOR CH13/14	J13	
			4	4	1	5A				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	13	29B				AUDIO ELECTRONICS CH13/14	J13	
			4	5	14	5A				AUDIO ELECTRONICS CH15/16	J14	
			5	3	1	29B				BASIS BOARD CONNECTOR CH21/22	J13	
			5	4	1	5A				BASIS BOARD CONNECTOR CH23/24	J14	
			5	5	13	29B				AUDIO ELECTRONICS CH21/22	J13	
SYCOM8			5	5	14	5A				AUDIO ELECTRONICS CH23/24	J14	
			3	4	1	28B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	8	1				SYNC COMPENSATION TO CH 8	J05	
			3	5	14	28B				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	28B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	8	1				SYNC COMPENSATION TO CH 16	J05	
			4	5	14	28B				AUDIO ELECTRONICS CH15/16	J14	
			5	4	1	28B				BASIS BOARD CONNECTOR CH23/24	J14	
SYCOM9			5	5	8	1				SYNC COMPENSATION TO CH 24	J05	
			5	5	14	28B				AUDIO ELECTRONICS CH23/24	J14	
			3	4	1	29B				BASIS BOARD CONNECTOR CH7/8	J14	
			3	5	8	2				SYNC COMPENSATION TO CH 8	J05	
			3	5	14	29B				AUDIO ELECTRONICS CH7/8	J14	
			4	4	1	29B				BASIS BOARD CONNECTOR CH15/16	J14	
			4	5	8	2				SYNC COMPENSATION TO CH 16	J05	
			4	5	14	29B				AUDIO ELECTRONICS CH15/16	J14	
SYS-CTS			1	20	30	3				SSDA INT. SYNCHRONIZER	P20	
			1	20	48	13B				MASTER SERIAL INTERFACE	J09	1.820.753.00
SYS-DTR			1	20	30	5				SSDA INT. SYNCHRONIZER	P20	
			1	20	48	13A				MASTER SERIAL INTERFACE	J09	1.820.753.00
SYS-RX			1	20	30	4				SSDA INT. SYNCHRONIZER	P20	
			1	20	48	12A				MASTER SERIAL INTERFACE	J09	1.820.753.00
SYS-TX			1	20	30	6				SSDA INT. SYNCHRONIZER	P20	
			1	20	48	12B				MASTER SERIAL INTERFACE	J09	1.820.753.00
T-A0			1	26	1	12				FROM PAR. REM. IF	P01	
			1	27	1	12				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-A0N-AB			1	21	24	1C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	15				TO AUDIO RACK CH 1 TO 8	P10	
T-A0N-CD			1	21	24	9C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	15				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	15				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	15				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	15				AUDIO CONTROL CONNECTOR	P01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
T-A0N-EF			1	21	24	17C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	15				TO AUDIO RACK CH 17 TO 24	P12	
T-A0P-AB			1	21	24	1B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	14				TO AUDIO RACK CH 1 TO 8	P10	
T-A0P-CD			1	21	24	9B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	14				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	14				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	14				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	14				AUDIO CONTROL CONNECTOR	P01	
T-A0P-EF			1	21	24	17B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	14				TO AUDIO RACK CH 17 TO 24	P12	
T-A1			1	26	1	9				FROM PAR. REM. IF	P01	
			1	27	1	9				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-A1N-AB			1	21	24	2C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	18				TO AUDIO RACK CH 1 TO 8	P10	
T-A1N-CD			1	21	24	10C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	18				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	18				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	18				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	18				AUDIO CONTROL CONNECTOR	P01	
T-A1N-EF			1	21	24	18C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	18				TO AUDIO RACK CH 17 TO 24	P12	
T-A1P-AB			1	21	24	2B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	17				TO AUDIO RACK CH 1 TO 8	P10	
T-A1P-CD			1	21	24	10B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	17				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	17				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	17				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	17				AUDIO CONTROL CONNECTOR	P01	
T-A1P-EF			1	21	24	18B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	17				TO AUDIO RACK CH 17 TO 24	P12	
T-A2			1	26	1	10				FROM PAR. REM. IF	P01	
			1	27	1	10				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-A3			1	26	1	7				FROM PAR. REM. IF	P01	
			1	27	1	7				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-BD			1	26	1	8				FROM PAR. REM. IF	P01	
			1	27	1	8				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-B0			1	26	1	15				FROM PAR. REM. IF	P01	
			1	27	1	15				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-B1			1	26	1	13				FROM PAR. REM. IF	P01	
			1	27	1	13				TO GRP26, ELM01 (SERIAL REM. IF)	P01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
T-B2			1	26	1	14				FROM PAR. REM. IF	P01	
			1	27	1	14				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-B3			1	26	1	11				FROM PAR. REM. IF	P01	
			1	27	1	11				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-CLN-AB			1	21	24	2A				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	12				TO AUDIO RACK CH 1 TO 8	P10	
T-CLN-CD			1	21	24	10A				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	12				TO AUDIO RACK CH 9 TO 16	P11	
T-CLN-EF			1	21	24	18A				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	12				TO AUDIO RACK CH 17 TO 24	P12	
T-CLP-AB			1	21	24	1A				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	11				TO AUDIO RACK CH 1 TO 8	P10	
T-CLP-CD			1	21	24	9A				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	11				TO AUDIO RACK CH 9 TO 16	P11	
T-CLP-EF			1	21	24	17A				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	11				TO AUDIO RACK CH 17 TO 24	P12	
T-DT-CH1			1	20	18	12				RESERVE	P18	
			1	20	19	12				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	3B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	28	1	12				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	12				TO VU-METER PANEL	P02	
T-DT-CH2			1	20	18	13				RESERVE	P18	
			1	20	19	13				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	4A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	28	1	13				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	13				TO VU-METER PANEL	P02	
T-DT-CH3			1	20	18	14				RESERVE	P18	
			1	20	19	14				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	4B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	28	1	14				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	14				TO VU-METER PANEL	P02	
T-DT-MP			1	20	17	15				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	18	15				RESERVE	P18	
			1	20	19	15				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	5A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	28	1	15				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	15				TO VU-METER PANEL	P02	
			2	1	10	8				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
T-DT-RES			1	20	17	16				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	18	16				RESERVE	P18	
			1	20	19	16				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	8A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			2	1	10	21				HEAD BLOCK IDENTIFIER	P10	1.820.795.00

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SIGNAL NAME	COLOR	MT	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
T-DT-RP1			1	20	17	12				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	51	5B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			2	1	10	19				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
T-DT-RP2			1	20	17	13				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	51	6A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			2	1	10	7				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
T-DT-SJM			1	20	17	14				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	51	7A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			2	1	10	20				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
T-DT0-AB			1	21	24	5B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	25				TO AUDIO RACK CH 1 TO 8	P10	
T-DT0-CD			1	21	24	13B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	25				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	25				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	25				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	25				AUDIO CONTROL CONNECTOR	P01	
T-DT0-EF			1	21	24	21B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	25				TO AUDIO RACK CH 17 TO 24	P12	
T-DT1-AB			1	21	24	5C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	27				TO AUDIO RACK CH 1 TO 8	P10	
T-DT1-CD			1	21	24	13C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	27				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	27				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	27				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	27				AUDIO CONTROL CONNECTOR	P01	
T-DT1-EF			1	21	24	21C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	27				TO AUDIO RACK CH 17 TO 24	P12	
T-DT2-AB			1	21	24	6B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	29				TO AUDIO RACK CH 1 TO 8	P10	
T-DT2-CD			1	21	24	14B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	29				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	29				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	29				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	29				AUDIO CONTROL CONNECTOR	P01	
T-DT2-EF			1	21	24	22B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	29				TO AUDIO RACK CH 17 TO 24	P12	
T-DT3-AB			1	21	24	6C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	31				TO AUDIO RACK CH 1 TO 8	P10	
T-DT3-CD			1	21	24	14C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	31				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	31				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	31				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	31				AUDIO CONTROL CONNECTOR	P01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
T-DT3-EF			1	21	24	22C				BUS DRIVER MCH TO AUDIO RACK CH 17 TO 24	J09 P12	1.827.723.00
T-DT4-AB			1	21	24	7B				BUS DRIVER MCH TO AUDIO RACK CH 1 TO 8	J09 P10	1.827.723.00
T-DT4-CD			1	21	24	15B				BUS DRIVER MCH TO AUDIO RACK CH 9 TO 16 AUDIO CONTROL CONNECTOR AUDIO CONTROL CONNECTOR AUDIO CONTROL CONNECTOR	J09 P11 P01 P01 P01	1.827.723.00
T-DT4-EF			1	21	24	23B				BUS DRIVER MCH TO AUDIO RACK CH 17 TO 24	J09 P12	1.827.723.00
T-DT5-AB			1	21	24	7C				BUS DRIVER MCH TO AUDIO RACK CH 1 TO 8	J09 P10	1.827.723.00
T-DT5-CD			1	21	24	15C				BUS DRIVER MCH TO AUDIO RACK CH 9 TO 16 AUDIO CONTROL CONNECTOR AUDIO CONTROL CONNECTOR AUDIO CONTROL CONNECTOR	J09 P11 P01 P01 P01	1.827.723.00
T-DT5-EF			1	21	24	23C				BUS DRIVER MCH TO AUDIO RACK CH 17 TO 24	J09 P12	1.827.723.00
T-DT6-AB			1	21	24	8B				BUS DRIVER MCH TO AUDIO RACK CH 1 TO 8	J09 P10	1.827.723.00
T-DT6-CD			1	21	24	16B				BUS DRIVER MCH TO AUDIO RACK CH 9 TO 16 AUDIO CONTROL CONNECTOR AUDIO CONTROL CONNECTOR AUDIO CONTROL CONNECTOR	J09 P11 P01 P01 P01	1.827.723.00
T-DT6-EF			1	21	24	24B				BUS DRIVER MCH TO AUDIO RACK CH 17 TO 24	J09 P12	1.827.723.00
T-DT7-AB			1	21	24	8C				BUS DRIVER MCH TO AUDIO RACK CH 1 TO 8	J09 P10	1.827.723.00
T-DT7-CD			1	21	24	16C				BUS DRIVER MCH TO AUDIO RACK CH 9 TO 16 AUDIO CONTROL CONNECTOR AUDIO CONTROL CONNECTOR AUDIO CONTROL CONNECTOR	J09 P11 P01 P01 P01	1.827.723.00
T-DT7-EF			1	21	24	24C				BUS DRIVER MCH TO AUDIO RACK CH 17 TO 24	J09 P12	1.827.723.00
T-IRES2			1	20	43	19A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
T-IRES3			1	20	43	22A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
T-IRES4			1	20	43	23A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
T-OE			1	26	1	20				FROM PAR. REM. IF TO GRP26, ELM01 (SERIAL REM. IF)	P01 P01	
T-PWRON			1	20	46	14				MP-UNIT TO CONTROL MCH MP-UNIT MASTER MCH WIRE FIELD	J07 J10	1.820.781.00 1.820.784.00
	5		1	20	62	14				FROM GRP35, ELM59	J13	
	5		1	21	8	9				FROM GRP35, ELM61	J01	
	5		1	21	21	14				MPU AUDIO CONTROL MCH	J06	1.827.788.00
	5		1	35	2	1				WIRE FIELD		
	5		1	35	2	2				WIRE FIELD		
	5		1	35	2	3				WIRE FIELD		
	5		1	35	2	4				WIRE FIELD		
	5		1	35	2	5				WIRE FIELD		
	5		1	35	2	6				WIRE FIELD		
	5		1	35	58	9				FROM ASY07, GRP11, ELM01	P09	
	5		1	35	59	7				TO GRP20, ELM70	P10	
	5		1	35	61	9				TO GRP21, ELM08	P12	
	5		7	3	4	9				TO POWER FAIL CONTROL CONNECTOR	P04	54.14.2001
	5		7	3	5	5				AC CONTROL CONNECTOR	P05	54.25.0308
	5		7	11	1	9				DC OUTPUT CONNECTOR	J02	54.25.0310
T-READSL			1	20	17	10				TO HEAD BLOCK ASSEMBLY RESERVE	P17 P18	
			1	20	18	10				MECHANICAL ELAPSED TIMER	P19	
			1	20	19	10				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	20	51	2B				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	1	10				TO VU-METER PANEL	P02	
			2	1	10	18				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
T-REFEXT			1	20	16	15				PARALLEL REMOTE INTERFACE CAPSTAN INTERFACE	P16 J03	1.820.727.00
			1	20	42	12B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	20	51	10A				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	27	2	15						
T-REFINT			1	20	4	12				PAR. CONT. INT. SYNCHRONIZER CAPSTAN INTERFACE	P04 J03	1.820.727.00
T-RESET			1	26	1	24				FROM PAR. REM. IF TO GRP26, ELM01 (SERIAL REM. IF)	P01 P01	
T-RL0			1	26	1	4				FROM PAR. REM. IF TO GRP26, ELM01 (SERIAL REM. IF)	P01 P01	
T-RL1			1	26	1	5				FROM PAR. REM. IF TO GRP26, ELM01 (SERIAL REM. IF)	P01 P01	
T-RL2			1	26	1	26				FROM PAR. REM. IF TO GRP26, ELM01 (SERIAL REM. IF)	P01 P01	
T-RL3			1	26	1	25				FROM PAR. REM. IF TO GRP26, ELM01 (SERIAL REM. IF)	P01 P01	
T-RL4			1	26	1	23				FROM PAR. REM. IF TO GRP26, ELM01 (SERIAL REM. IF)	P01 P01	

STUDER A827 MCH

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
T-RL5			1	26	1	22				FROM PAR. REM. IF	P01	
			1	27	1	22				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-RL6			1	26	1	19				FROM PAR. REM. IF	P01	
			1	27	1	19				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-RL7			1	26	1	18				FROM PAR. REM. IF	P01	
			1	27	1	18				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-RWN-AB			1	21	24	3C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	21				TO AUDIO RACK CH 1 TO 8	P10	
T-RWN-CD			1	21	24	11C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	21				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	21				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	21				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	21				AUDIO CONTROL CONNECTOR	P01	
T-RWN-EF			1	21	24	19C				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	21				TO AUDIO RACK CH 17 TO 24	P12	
T-RWP-AB			1	21	24	3B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	20				TO AUDIO RACK CH 1 TO 8	P10	
T-RWP-CD			1	21	24	11B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	20				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	20				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	20				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	20				AUDIO CONTROL CONNECTOR	P01	
T-RWP-EF			1	21	24	19B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	20				TO AUDIO RACK CH 17 TO 24	P12	
T-SADA			1	20	17	7				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	18	7				RESERVE	P18	
			1	20	19	7				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	1A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	28	1	7				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	7				TO VU-METER PANEL	P02	
			2	1	10	4				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
T-SADB			1	20	17	8				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	18	8				RESERVE	P18	
			1	20	19	8				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	1B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	28	1	8				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	8				TO VU-METER PANEL	P02	
			2	1	10	17				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
T-SADC			1	20	17	9				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	18	9				RESERVE	P18	
			1	20	19	9				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	2A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	28	1	9				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	9				TO VU-METER PANEL	P02	
			2	1	10	5				HEAD BLOCK IDENTIFIER	P10	1.820.795.00

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
T-SL-AB			1	21	24	4B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	50	23				TO AUDIO RACK CH 1 TO 8	P10	
T-SL-CD			1	21	24	12B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	51	23				TO AUDIO RACK CH 9 TO 16	P11	
			3	5	1	23				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	23				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	23				AUDIO CONTROL CONNECTOR	P01	
T-SL-EF			1	21	24	20B				BUS DRIVER MCH	J09	1.827.723.00
			1	21	52	23				TO AUDIO RACK CH 17 TO 24	P12	
T-SL0			1	26	1	16				FROM PAR. REM. IF	P01	
			1	27	1	16				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-SL1			1	26	1	17				FROM PAR. REM. IF	P01	
			1	27	1	17				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-SL2			1	26	1	21				FROM PAR. REM. IF	P01	
			1	27	1	21				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-SL3			1	26	1	6				FROM PAR. REM. IF	P01	
			1	27	1	6				TO GRP26, ELM01 (SERIAL REM. IF)	P01	
T-SPDSL1			1	39	1	11				FROM GRP20, ELM03 (BASIS B. TD)	P01	
T-SPDSL2			1	39	1	12				FROM GRP20, ELM03 (BASIS B. TD)	P01	
T-SUPVON			1	20	14	6				FUSE FAILURE DETECTOR	P14	
			1	20	43	10B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	50	1	6				FROM GRP20, ELM14 (DAISIO D. TD)	P01	
T-VARSPD			1	20	18	21				RESERVE	P18	
T-WRTSL			1	20	17	11				TO HEAD BLOCK ASSEMBLY	P17	
			1	20	18	11				RESERVE	P18	
			1	20	19	11				MECHANICAL ELAPSED TIMER	P19	
			1	20	51	3A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	28	1	11				FROM B. BOARD TAPE DECK, ELM 19	P01	
			1	28	2	11				TO VU-METER PANEL	P02	
			2	1	10	6				HEAD BLOCK IDENTIFIER	P10	1.820.795.00
TA-ADRO			1	21	20	31				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	31				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	31				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	28B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	28C				BUS DRIVER MCH	J09	1.827.723.00
TA-ADR1			1	21	20	30				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	30				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	30				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	28A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	28B				BUS DRIVER MCH	J09	1.827.723.00

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TA-ADR2			1	21	20	29				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	29				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	29				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	27B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	27C				BUS DRIVER MCH	J09	1.827.723.00
TA-ADR3			1	21	21	6				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	23	27A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	27B				BUS DRIVER MCH	J09	1.827.723.00
TA-AUIR			1	20	48	21B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	51	11A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TA-CLMCD			3	5	1	12				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	12				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	12				AUDIO CONTROL CONNECTOR	P01	
TA-CLPCD			3	5	1	11				AUDIO CONTROL CONNECTOR	P01	
			4	5	1	11				AUDIO CONTROL CONNECTOR	P01	
			5	5	1	11				AUDIO CONTROL CONNECTOR	P01	
TA-C614K			1	21	20	17				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	22				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TA-C76K			1	21	21	16				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TA-DATA0			1	21	20	39				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	39				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	39				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	32B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	32C				BUS DRIVER MCH	J09	1.827.723.00
TA-DATA1			1	21	20	38				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	38				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	38				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	32A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	32B				BUS DRIVER MCH	J09	1.827.723.00
TA-DATA2			1	21	20	37				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	37				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	37				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	31B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	31C				BUS DRIVER MCH	J09	1.827.723.00
TA-DATA3			1	21	20	36				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	36				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	36				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	31A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	31B				BUS DRIVER MCH	J09	1.827.723.00
TA-DATA4			1	21	20	35				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	35				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	35				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	30B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	30C				BUS DRIVER MCH	J09	1.827.723.00

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TA-DATA5			1	21	20	34				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	34				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	34				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	30A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	30B				BUS DRIVER MCH	J09	1.827.723.00
TA-DATA6			1	21	20	33				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	33				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	33				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	29B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	29C				BUS DRIVER MCH	J09	1.827.723.00
TA-DATA7			1	21	20	32				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	32				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	32				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	29A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	29B				BUS DRIVER MCH	J09	1.827.723.00
TA-DRENB			1	21	21	12				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TA-ENB			1	21	20	28				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	28				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	28				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	26B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	26C				BUS DRIVER MCH	J09	1.827.723.00
TA-IRQ			1	21	20	14				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	13				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TA-NMI			1	21	21	9				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TA-OUTPO			1	20	32	12				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	21	15	12				TAPE DECK BASIS BOARD, ELM52	P08	
			1	21	20	4				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
TA-RESET			1	21	21	26				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	24	25B				BUS DRIVER MCH	J09	1.827.723.00
TA-RESMP			1	21	20	26				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	5				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	23	25A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
TA-RW			1	21	20	27				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	27				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	22	27				GENERATOR UNIT MCH	J07	1.827.725.00
			1	21	23	26A				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
			1	21	24	26B				BUS DRIVER MCH	J09	1.827.723.00
TA-RX			1	21	20	15				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
			1	21	21	10				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TA-SL2			1	21	21	4				MPU AUDIO CONTROL MCH	J06	1.827.788.00
			1	21	23	25B				CONTROLLER EXTERNAL NRS	J08	1.820.816.00
TA-SL3			1	21	21	3				MPU AUDIO CONTROL MCH	J06	1.827.788.00

STUDER A827 MCH

* STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 105 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TA-SL4			1	21	21	23				MPU AUDIO CONTROL MCH	J06	1.827.788.00
					24	25C				BUS DRIVER MCH	J09	1.827.723.00
TA-SL5			1	21	21	24				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TA-SL6			1	21	21	25				MPU AUDIO CONTROL MCH	J06	1.827.788.00
					22	25				GENERATOR UNIT MCH	J07	1.827.725.00
TA-SL7			1	21	20	25				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
					21	15				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TA-TX			1	21	20	16				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
					21	11				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TAD-RESA			1	20	33	2				BASIS BOARD AUDIO CONT. ELM16	P25	
					51	20B				MASTER TO AUDIO INTERFACE	J12	
					16	2				TAPE DECK BASIS BOARD, ELM33	P09	1.820.756.00
TAD-RESB			1	20	33	4				BASIS BOARD AUDIO CONT. ELM16	P25	
					51	21B				MASTER TO AUDIO INTERFACE	J12	
					16	4				TAPE DECK BASIS BOARD, ELM33	P09	1.820.756.00
TAD-RESC			1	20	33	6				BASIS BOARD AUDIO CONT. ELM16	P25	
					51	22B				MASTER TO AUDIO INTERFACE	J12	
					16	6				TAPE DECK BASIS BOARD, ELM33	P09	1.820.756.00
TC-ADRO			1	20	34	23				INT. SYNCHRONIZER		
					41	31				CAPSTAN CONTROL UNIT	J02	1.820.764.00
					42	24A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-ADR1			1	20	34	21				INT. SYNCHRONIZER		
					41	30				CAPSTAN CONTROL UNIT	J02	1.820.764.00
					42	23A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-ADR2			1	20	34	19				INT. SYNCHRONIZER		
					41	29				CAPSTAN CONTROL UNIT	J02	1.820.764.00
					42	22A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-CAPDC			1	20	3	14				CAPSTAN M. DRIVE AMPLIFIER	P03	
					41	4				CAPSTAN CONTROL UNIT	J02	
					39	1	14			FROM GRP20, ELM03 (BASIS B. TD)	P01	1.820.764.00
TC-CDIRI			1	20	41	6				CAPSTAN CONTROL UNIT	J02	1.820.764.00
					42	1A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-CPREF			1	20	3	13				CAPSTAN M. DRIVE AMPLIFIER	P03	
					39	1	13			FROM GRP20, ELM03 (BASIS B. TD)	P01	
TC-DATA0			1	20	34	39				INT. SYNCHRONIZER		
					41	39				CAPSTAN CONTROL UNIT	J02	1.820.764.00
					42	32A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-DATA1			1	20	34	37				INT. SYNCHRONIZER		
					41	38				CAPSTAN CONTROL UNIT	J02	1.820.764.00
					42	31A				CAPSTAN INTERFACE	J03	1.820.727.00

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TC-DATA2			1	20	34	35				INT. SYNCHRONIZER		
			1	20	41	37				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	30A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-DATA3			1	20	34	33				INT. SYNCHRONIZER		
			1	20	41	36				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	29A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-DATA4			1	20	34	31				INT. SYNCHRONIZER		
			1	20	41	35				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	28A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-DATA5			1	20	34	29				INT. SYNCHRONIZER		
			1	20	41	34				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	27A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-DATA6			1	20	34	27				INT. SYNCHRONIZER		
			1	20	41	33				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	26A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-DATA7			1	20	34	25				INT. SYNCHRONIZER		
			1	20	41	32				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	25A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-ENB			1	20	34	17				INT. SYNCHRONIZER		
			1	20	41	28				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	21A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-ENBG			1	20	34	7				INT. SYNCHRONIZER		
			1	20	41	11				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	8B				CAPSTAN INTERFACE	J03	1.820.727.00
TC-EREF			1	20	41	14				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	10B				CAPSTAN INTERFACE	J03	1.820.727.00
TC-EVEN			1	20	30	7				SSDA INT. SYNCHRONIZER	P20	
			1	20	41	12				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	4A				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	51	19B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TC-EVENT			1	20	32	8				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	51	6B				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	21	15	8				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	21	2				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TC-HALL1			1	38	1	4			F	FROM GRP39, ELM02	J01	
			1	39	2	4			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
TC-HALL2			1	38	1	7			F	FROM GRP39, ELM02	J01	
			1	39	2	7			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
TC-HALL3			1	38	1	10			F	FROM GRP39, ELM02	J01	
			1	39	2	10			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
TC-INEX			1	20	41	9				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	12A				CAPSTAN INTERFACE	J03	1.820.727.00

STUDER A827 MCH

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 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *****

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TC-IRQ			1	20	34	5				INT. SYNCHRONIZER		
						13				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						9A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-REF			1	20	41	8				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						11A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-REFP			1	20	41	3				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						4B				CAPSTAN INTERFACE	J03	1.820.727.00
TC-RESMP			1	20	34	9				INT. SYNCHRONIZER		
						10				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						8A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-RW			1	20	34	15				INT. SYNCHRONIZER		
						27				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						20A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-SL1			1	20	41	24				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						13A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-SL2			1	20	41	23				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						14A				CAPSTAN INTERFACE	J03	1.820.727.00
TC-SL3			1	20	34	1				INT. SYNCHRONIZER		
						16				CAPSTAN CONTROL UNIT	J02	1.820.764.00
TC-SL4			1	20	34	3				INT. SYNCHRONIZER		
						15				CAPSTAN CONTROL UNIT	J02	1.820.764.00
TC-TCDIR			1	20	4	8				PAR. CONT. INT. SYNCHRONIZER	P04	
						18				PARALLEL REMOTE INTERFACE	P16	
						6A				CAPSTAN INTERFACE	J03	1.820.727.00
						6B				CAPSTAN INTERFACE	J03	1.820.727.00
						18				FROM GRP20, ELM16 (BASIS BOARD)	P02	
TC-TCMV			1	20	4	10				PAR. CONT. INT. SYNCHRONIZER	P04	
						17				PARALLEL REMOTE INTERFACE	P16	
						5A				CAPSTAN INTERFACE	J03	1.820.727.00
						5B				CAPSTAN INTERFACE	J03	1.820.727.00
						17				FROM GRP20, ELM16 (BASIS BOARD)	P02	
TC-TCMVI			1	20	41	5				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						2A				CAPSTAN INTERFACE	J03	1.820.727.00
TD-ADRO			1	20	42	24B				CAPSTAN INTERFACE	J03	1.820.727.00
						24B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
						31				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
						31				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
						31				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
						31				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
						23B				CAPSTAN INTERFACE	J03	1.820.727.00
TD-ADR1			1	20	43	23B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
						23B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
						30				TAPE DECK COUNTER / TIMER	J05	1.820.761.00

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 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *****

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF TD-ADR1			1	20	45	30				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
						30				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
						30				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-ADR2			1	20	43	22B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
						29				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
						29				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
						29				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-ADR3			1	20	44	6				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
						6				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
						24				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-BUSSM			1	20	46	8			MP-UNIT TD CONTROL MCH	J07	1.820.781.00	
TD-CAPSY			1	20	4	13				PAR. CONT. INT. SYNCHRONIZER	P04	
						7				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						22A				MASTER SERIAL INTERFACE	J09	1.820.753.00
TD-CRES			1	20	41	26				CAPSTAN CONTROL UNIT	J02	1.820.764.00
						6A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
TD-C307K			1	20	32	16				BASIS BOARD AUDIO CONT. ELM15	P24	
						22				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
						16				TAPE DECK BASIS BOARD, ELM32	P08	
						32A				BUS DRIVER MCH	J09	1.827.723.00
TD-C614K			1	20	46	7			MP-UNIT TD CONTROL MCH	J07	1.820.781.00	
TD-C76K			1	20	3	15				CAPSTAN M. DRIVE AMPLIFIER	P03	
						17				SPOOLING MOTOR DRIVER	J01	1.820.759.00
						16				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
						15				WIRE FIELD		
						4				FROM GRP35, ELM59	J13	
						7				FROM DISTRIBUTION BOARD (ELM20)	P01	
						7				FROM DISTRIBUTION BOARD (ELM21)	P01	
						1				WIRE FIELD		
						2				WIRE FIELD		
						3				WIRE FIELD		
						4				WIRE FIELD		
						5				WIRE FIELD		
						6				WIRE FIELD		
						7				TO GRP31, ELM01	P01	
						4				TO GRP32, ELM01	P02	
7				TO GRP20, ELM70	P10							
15				FROM GRP20, ELM03 (BASIS B. TD)	P01							
TD-DATA0			1	20	42	32B				CAPSTAN INTERFACE	J03	1.820.727.00
						32B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
						39				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
						39				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
						39				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
						39				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
						39						

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TD-DATA1			1	20	42	31B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	31B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	38				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	38				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	38				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	38				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-DATA2			1	20	42	30B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	30B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	37				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	37				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	37				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	37				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-DATA3			1	20	42	29B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	29B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	36				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	36				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	36				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	36				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-DATA4			1	20	42	28B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	28B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	35				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	35				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	35				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	35				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-DATA5			1	20	42	27B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	27B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	34				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	34				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	34				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	34				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-DATA6			1	20	42	26B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	26B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	33				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	33				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	33				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	33				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-DATA7			1	20	42	25B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	25B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	32				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	32				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	32				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	32				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-DRENB			1	20	46	12				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-ENB			1	20	42	21B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	21B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	28				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	28				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 110 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			1	20	46	28				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-ENB			1	20	47	28				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-EVENT			1	20	32	6				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	43	5A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	49	1				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	21	15	6				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	21	1				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TD-HEACT			1	20	32	2				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	43	9B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	48	20A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	21	15	2				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	20	1				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
TD-ICRE1			1	20	44	9				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
TD-ICRE2			1	20	44	11				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
TD-ICRE3			1	20	44	16				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
TD-ICRE4			1	20	44	17				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
TD-ICRE5			1	20	44	23				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
TD-IRQ			1	20	42	13B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	44	13				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	46	13				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	12				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-MOVE			1	20	32	10				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	43	4A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	48	21A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	21	15	10				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	20	3				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
TD-MOVE1			1	20	11	9				MOVE SENSOR	P11	
			1	20	44	7				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	45	1	9				FROM GRP20, ELM11	P01	
			1	60	2	9				FROM GR. 20 ELM 11	P02	
			1	60	6	9				TO MOVE SENSOR	P06	
TD-MOVE2			1	20	11	8				MOVE SENSOR	P11	
			1	20	44	8				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	45	1	8				FROM GRP20, ELM11	P01	
			1	60	2	8				FROM GR. 20 ELM 11	P02	
			1	60	6	8				TO MOVE SENSOR	P06	
TD-MVCLK			1	20	4	15				PAR. CONT. INT. SYNCHRONIZER	P04	
			1	20	16	23				PARALLEL REMOTE INTERFACE	P16	
			1	20	44	12				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	48	25B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	23				FROM GRP20, ELM16 (BASIS BOARD)	P02	

STUDER A827 MCH

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 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *****

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TD-MVDIR			1	20	4	14				PAR. CONT. INT. SYNCHRONIZER	P04	
			1	20	16	24				PARALLEL REMOTE INTERFACE	P16	
			1	20	32	4				BASIS BOARD AUDIO CONT. ELM15	P24	
			1	20	44	14				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	48	25A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	21	15	4				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	20	2				COMMUNICATIONS CONTROLLER	J05	1.820.718.00
		1	27	2	24				FROM GRP20, ELM16 (BASIS BOARD)	P02		
TD-NMI			1	20	46	9				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-PENBL			1	20	40	23				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	43	20A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
TD-PENBR			1	20	40	15				SPOOLING MOTOR DRIVER	J01	1.820.759.00
			1	20	43	21A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
TD-PWENB			1	20	43	10A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
TD-PHEN1			1	31	1	8				FROM DISTRIBUTION BOARD (ELM20)	P01	
			1	35	12	1				WIRE FIELD		
			1	35	12	2				WIRE FIELD		
			1	35	20	8				TO GRP31, ELM01	P01	
TD-PHEN2			1	32	1	8				FROM DISTRIBUTION BOARD (ELM21)	P01	
			1	35	13	1				WIRE FIELD		
			1	35	13	2				WIRE FIELD		
			1	35	21	8				TO GRP32, ELM01	P02	
TD-RALC1			1	20	7	14				TAPE LIFT MOTOR, LEFT	P07	
			1	20	43	1B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	46	1	14				FROM GRP20, ELM07	P01	
TD-RALC2			1	20	7	12				TAPE LIFT MOTOR, LEFT	P07	
			1	20	43	2B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	46	1	12				FROM GRP20, ELM07	P01	
TD-RALEN			1	20	7	15				TAPE LIFT MOTOR, LEFT	P07	
			1	20	43	1A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	46	1	15				FROM GRP20, ELM07	P01	
TD-RALP1			1	20	7	11				TAPE LIFT MOTOR, LEFT	P07	
			1	20	43	3A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	46	1	11				FROM GRP20, ELM07	P01	
TD-RALP2			1	20	7	13				TAPE LIFT MOTOR, LEFT	P07	
			1	20	43	2A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	46	1	13				FROM GRP20, ELM07	P01	
TD-RARC1			1	20	8	14				TAPE LIFT MOTOR, RIGHT	P08	
			1	20	43	6B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	47	1	14				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	60	1	14				FROM GR. 20 ELM 08	P01	
			1	60	5	14				TO TAPE LIFT MOTOR, RIGHT	P05	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TD-RARC2			1	20	8	12				TAPE LIFT MOTOR, RIGHT	P08	
			1	20	43	7B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	47	1	12				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	60	1	12				FROM GR. 20 ELM 08	P01	
			1	60	5	12				TO TAPE LIFT MOTOR, RIGHT	P05	
TD-RAREN			1	20	8	15				TAPE LIFT MOTOR, RIGHT	P08	
			1	20	43	5B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	47	1	15				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	60	1	15				FROM GR. 20 ELM 08	P01	
TD-RARP1			1	20	8	11				TAPE LIFT MOTOR, RIGHT	P08	
			1	20	43	3B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	47	1	11				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	60	1	11				FROM GR. 20 ELM 08	P01	
			1	60	5	11				TO TAPE LIFT MOTOR, RIGHT	P05	
TD-RARP2			1	20	8	13				TAPE LIFT MOTOR, RIGHT	P08	
			1	20	43	4B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	47	1	13				FROM GRP20, ELM08 (BASIS B. TD)	P01	
			1	60	1	13				FROM GR. 20 ELM 08	P01	
			1	60	5	13				TO TAPE LIFT MOTOR, RIGHT	P05	
TD-RES			1	20	42	19B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	19B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	26				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	26				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	47	26				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-RESET			1	20	46	26				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	23				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-RESMP			1	20	46	5				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	11				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-RW			1	20	42	20B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	43	20B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	44	27				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	45	27				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	27				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	27				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-RX			1	20	46	10				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-SHLD			1	20	6	8				OPTO + EXTENDED SENSORS	P06	
			1	20	43	8A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	44	1	8				FROM GRP20, ELM06	P01	
TD-SL2			1	20	46	4				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-SL3			1	20	43	14B				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	20	46	3				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-SL4			1	20	45	23				SPOOLING MOTOR CONTROLLER	J06	1.820.822.00
			1	20	46	23				MP-UNIT TD CONTROL MCH	J07	1.820.781.00

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TD-SL5			1	20	46	24				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
			1	20	47	25				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
TD-SL6			1	20	44	25				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	20	46	25				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-SL7			1	20	42	14B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	20	46	15				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TD-TCM1			1	20	5	8				CAPSTAN M. DRIVE AMPLIFIER	P03	
			1	20	41	1				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	1B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	38	1	8			F	FROM GRP39, ELM02	J01	
			1	39	1	8				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	2	8			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
TD-TCM2			1	20	3	10				CAPSTAN M. DRIVE AMPLIFIER	P03	
			1	20	41	2				CAPSTAN CONTROL UNIT	J02	1.820.764.00
			1	20	42	2B				CAPSTAN INTERFACE	J03	1.820.727.00
			1	38	1	11			F	FROM GRP39, ELM02	J01	
			1	39	1	10				FROM GRP20, ELM03 (BASIS B. TD)	P01	
			1	39	2	11			M	TO GRP38, ELM01 (CAPSTAN MOTOR)	P02	
TD-TML1			1	20	9	9				TACHO SENSOR SPOOLING M. LEFT	P09	
			1	20	44	1				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	36	1	9				TACHO SENSOR	P01	1.820.771.00
			1	60	4	9				FROM GR. 20 ELM 09	P04	
			1	60	8	9				TO TACHO SENSOR SP. MOTOR LEFT	P08	
TD-TML2			1	20	9	8				TACHO SENSOR SPOOLING M. LEFT	P09	
			1	20	44	2				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	36	1	8				TACHO SENSOR	P01	1.820.771.00
			1	60	4	8				FROM GR. 20 ELM 09	P04	
			1	60	8	8				TO TACHO SENSOR SP. MOTOR LEFT	P08	
TD-TMR1			1	20	10	9				TACHO SENSOR SPOOLING M. RIGHT	P10	
			1	20	44	3				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	37	1	9				TACHO SENSOR	P01	1.820.771.00
			1	60	3	9				FROM GR. 20 ELM 10	P03	
			1	60	7	9				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
TD-TMR2			1	20	10	8				TACHO SENSOR SPOOLING M. RIGHT	P10	
			1	20	44	4				TAPE DECK COUNTER / TIMER	J05	1.820.761.00
			1	37	1	8				TACHO SENSOR	P01	1.820.771.00
			1	60	3	8				FROM GR. 20 ELM 10	P03	
			1	60	7	8				TO TACHO SENSOR SP. MOTOR RIGHT	P07	
TD-TRSP			1	20	6	9				OPTO + EXTENDED SENSORS	P06	
			1	20	43	9A				TAPE DECK PERIPHERY CONTR.	J04	1.820.762.00
			1	44	1	9				FROM GRP20, ELM06	P01	
			1	44	2	1				OPTO SENSOR -82 ONLY	P02	
TD-TRSPR			1	20	6	10				OPTO + EXTENDED SENSORS	P06	
			1	44	1	10				FROM GRP20, ELM06	P01	
TD-TX			1	20	46	11				MP-UNIT TD CONTROL MCH	J07	1.820.781.00

STUDER A827 MCH

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TD-YTRSP			1	20	6	7				OPTO + EXTENDED SENSORS FROM GRP20, ELM06	P06 P01	
TD-9600			1	20	46	17				MP-UNIT TD CONTROL MCH	J07	1.820.781.00
TDS-CLK			1	20	30	2				SSDA INT. SYNCHRONIZER	P20	
			1	20	47	17				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	48	19A				MASTER SERIAL INTERFACE	J09	1.820.753.00
TDS-CTS			1	20	47	16				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	48	11B				MASTER SERIAL INTERFACE	J09	1.820.753.00
TDS-DTR			1	20	47	15				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	48	11A				MASTER SERIAL INTERFACE	J09	1.820.753.00
TDS-RX			1	20	47	13				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	48	10A				MASTER SERIAL INTERFACE	J09	1.820.753.00
TDS-TX			1	20	47	14				TAPE DECK SERIAL INTERFACE	J08	1.820.763.00
			1	20	48	10B				MASTER SERIAL INTERFACE	J09	1.820.753.00
TL-A0			1	50	4	6				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	6						
TL-CS			1	50	4	3				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	3						
TL-D0			1	50	4	7				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	7						
TL-D1			1	50	4	8				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	8						
TL-D2			1	50	4	9				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	9						
TL-D3			1	50	4	10				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	10						
TL-D4			1	50	4	11				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	11						
TL-D5			1	50	4	12				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	12						
TL-D6			1	50	4	13				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	13						
TL-D7			1	50	4	14				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	14						
TL-EMB			1	50	4	4				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	4						
TL-RESET			1	50	4	15				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	15						

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TL-NR			1	50	4	5				CONNECTOR LCD DISPLAY UNIT FROM GRP50, ELM04 (DISPLAY DRIVER)	P04	
			1	52	1	5						
TM-A			1	50	2	20				CONNECTOR PUSHBUTTON ASSEMBLY FROM GRP50,ELM02 (DISPLAY DRIVER)	P03	
			1	51	1	20						
TM-ADRO			1	20	48	28B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	31				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	31				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	24A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TM-ADR1			1	20	48	28A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	30				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	30				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	23A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TM-ADR2			1	20	48	27B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	29				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	29				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	22A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TM-ADR3			1	20	48	23B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	6				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	17				SMPTE/EBU INTERFACE	J11	1.820.751.00
TM-B			1	50	2	18				CONNECTOR PUSHBUTTON ASSEMBLY FROM GRP50,ELM02 (DISPLAY DRIVER)	P03	
			1	51	1	18						
TM-BUSSW			1	20	49	8				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	15				SMPTE/EBU INTERFACE	J11	1.820.751.00
TM-C			1	50	2	21				CONNECTOR PUSHBUTTON ASSEMBLY FROM GRP50,ELM02 (DISPLAY DRIVER)	P03	
			1	51	1	21						
TM-CUE1			1	48	1	20				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	2	5				CONNECTOR EDIT ASSEMBLY		
			1	50	3	20				CONNECTOR COMMAND UNIT	P02	
TM-CUE2			1	48	1	22				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	2	7				CONNECTOR EDIT ASSEMBLY		
			1	50	3	22				CONNECTOR COMMAND UNIT	P02	
TM-C307K			1	20	49	22				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-C614K			1	20	49	7				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-C76K			1	20	49	16				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-C9600			1	20	49	17				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-D			1	50	2	22				CONNECTOR PUSHBUTTON ASSEMBLY FROM GRP50,ELM02 (DISPLAY DRIVER)	P03	
			1	51	1	22						

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TM-DADRO			1	20	15	19				DISPLAY DRIVER	P15	
			1	20	16	19				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	8A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	19				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	50	1	19				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-DADR1			1	20	15	17				DISPLAY DRIVER	P15	
			1	20	48	7A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	50	1	17				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-DADR2			1	20	15	15				DISPLAY DRIVER	P15	
			1	20	48	6A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	50	1	15				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-DATA0			1	20	15	39				DISPLAY DRIVER	P15	
			1	20	16	39				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	32B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	39				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	39				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	32A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	27	2	39				FROM GRP20, ELM16 (BASIS BOARD)	P02	
		1	50	1	39				FROM GRP20, ELM15 (BASIS B. TD)	P01		
TM-DATA1			1	20	15	37				DISPLAY DRIVER	P15	
			1	20	16	37				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	32A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	38				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	38				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	31A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	27	2	37				FROM GRP20, ELM16 (BASIS BOARD)	P02	
		1	50	1	37				FROM GRP20, ELM15 (BASIS B. TD)	P01		
TM-DATA2			1	20	15	35				DISPLAY DRIVER	P15	
			1	20	16	35				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	31B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	37				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	37				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	30A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	27	2	35				FROM GRP20, ELM16 (BASIS BOARD)	P02	
		1	50	1	35				FROM GRP20, ELM15 (BASIS B. TD)	P01		
TM-DATA3			1	20	15	33				DISPLAY DRIVER	P15	
			1	20	16	33				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	31A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	36				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	36				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	29A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	27	2	33				FROM GRP20, ELM16 (BASIS BOARD)	P02	
		1	50	1	33				FROM GRP20, ELM15 (BASIS B. TD)	P01		
TM-DATA4			1	20	15	31				DISPLAY DRIVER	P15	
			1	20	16	31				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	30B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	35				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	35				SMPTE/EBU INTERFACE	J11	1.820.751.00

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF TM-DATA4			1	20	51	28A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	27	2	31				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	50	1	31				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-DATA5			1	20	15	29				DISPLAY DRIVER	P15	
			1	20	16	29				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	30A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	34				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	34				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	27A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	27	2	29				FROM GRP20, ELM16 (BASIS BOARD)	P02	
		1	50	1	29				FROM GRP20, ELM15 (BASIS B. TD)	P01		
TM-DATA6			1	20	15	27				DISPLAY DRIVER	P15	
			1	20	16	27				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	29B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	33				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	33				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	25A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	27	2	27				FROM GRP20, ELM16 (BASIS BOARD)	P02	
		1	50	1	27				FROM GRP20, ELM15 (BASIS B. TD)	P01		
TM-DATA7			1	20	15	25				DISPLAY DRIVER	P15	
			1	20	16	25				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	29A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	32				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	32				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	25A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
			1	27	2	25				FROM GRP20, ELM16 (BASIS BOARD)	P02	
		1	50	1	25				FROM GRP20, ELM15 (BASIS B. TD)	P01		
TM-DENB			1	20	15	12				DISPLAY DRIVER	P15	
			1	20	16	13				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	5A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	13				FROM GRP20, ELM16 (BASIS BOARD)	P02	
		1	50	1	13				FROM GRP20, ELM15 (BASIS B. TD)	P01		
TM-DP			1	50	2	19				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	19				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-DRENB			1	20	49	12				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	12				SMPTE/EBU INTERFACE	J11	1.820.751.00
TM-DRES			1	20	15	9				DISPLAY DRIVER	P15	
			1	20	16	9				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	3A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	9				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	50	1	9				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-DRM			1	20	15	11				DISPLAY DRIVER	P15	
			1	20	16	11				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	4A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	11				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	50	1	11				FROM GRP20, ELM15 (BASIS B. TD)	P01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TM-DSL4			1	20	15	7				DISPLAY DRIVER	P15	
			1	20	48	1A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	50	1	7				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-DSL5			1	20	16	7				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	2A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	7				FROM GRP20, ELM16 (BASIS BOARD)	P02	
TM-D0			1	50	2	35				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	35				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D1			1	50	2	34				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	34				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D2			1	50	2	33				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	33				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D3			1	50	2	32				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	32				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D4			1	50	2	31				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	31				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D5			1	50	2	30				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	30				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D6			1	50	2	29				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	29				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D7			1	50	2	28				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	28				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D8			1	50	2	27				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	27				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-D9			1	50	2	26				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	26				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-E			1	50	2	24				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	24				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-ENB			1	20	48	27A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	28				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	28				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	21A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TM-ENO			1	48	1	12				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	2	4				CONNECTOR EDIT ASSEMBLY		
			1	50	3	12				CONNECTOR COMMAND UNIT	P02	
TM-EN1			1	50	2	9				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	9				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-EN2			1	50	2	8				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	8				FROM GRP50,ELM02 (DISPLAY DRIVER)		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TM-EN3			1	50	2	7				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	7				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-EN4			1	50	2	6				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	6				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-EVENT			1	20	32	26				BASIS BOARD AUDIO CONT.	ELM15 P24	
			1	20	49	2				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	21	15	26				TAPE DECK BASIS BOARD, ELM32	P08	
			1	21	21	8				MPU AUDIO CONTROL MCH	J06	1.827.788.00
TM-F			1	50	2	23				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	23				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-G			1	50	2	25				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	25				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-IADRO			1	20	15	20				DISPLAY DRIVER	P15	
			1	20	16	20				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	8B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	20				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	50	1	20				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-IADR1			1	20	15	18				DISPLAY DRIVER	P15	
			1	20	48	7B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	50	1	18				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-IADR2			1	20	15	16				DISPLAY DRIVER	P15	
			1	20	48	6B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	50	1	16				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-IENB			1	20	15	14				DISPLAY DRIVER	P15	
			1	20	16	14				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	5B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	14				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	50	1	14				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-IRES			1	20	15	10				DISPLAY DRIVER	P15	
			1	20	16	10				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	3B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	10				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	50	1	10				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-IRQ			1	20	48	24B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	13				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-IRW			1	20	15	12				DISPLAY DRIVER	P15	
			1	20	16	12				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	4B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	12				FROM GRP20, ELM16 (BASIS BOARD)	P02	
			1	50	1	12				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-ISL4			1	20	15	8				DISPLAY DRIVER	P15	
			1	20	48	1B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	50	1	8				FROM GRP20, ELM15 (BASIS B. TD)	P01	

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TM-ISL5			1	20	16	8				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	2B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	8				FROM GRP20, ELM16 (BASIS BOARD)	P02	
TM-KBIR			1	20	15	23				DISPLAY DRIVER	P15	
			1	20	48	14B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	50	1	23				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-L1			1	50	2	37				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	37				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-L2			1	50	2	36				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	36				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-L3			1	50	2	38				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	38				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-L4			1	50	2	39				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	39				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-L5			1	50	2	40				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	40				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-NMI			1	20	49	9				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-REMIR			1	20	16	21				PARALLEL REMOTE INTERFACE	P16	
			1	20	48	19B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	27	2	21				FROM GRP20, ELM16 (BASIS BOARD)	P02	
TM-RES			1	20	48	24A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	50	26				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	19A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TM-RESET			1	20	48	26A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	26				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-RESMP			1	20	48	23A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	5				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-RL0			1	50	2	12				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	12				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-RL1			1	48	1	19				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	48	2	6				CONNECTOR EDIT ASSEMBLY		
			1	50	2	13				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	3	19				CONNECTOR COMMAND UNIT	P02	
			1	51	1	13				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-RL2			1	48	1	18				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	50	2	14				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	3	18				CONNECTOR COMMAND UNIT	P02	
			1	51	1	14				FROM GRP50,ELM02 (DISPLAY DRIVER)		

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SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TM-RL3			1	48	1	17				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	50	2	15				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	3	17				CONNECTOR COMMAND UNIT	P02	
			1	51	1	15				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-RL4			1	48	1	16				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	50	2	16				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	3	16				CONNECTOR COMMAND UNIT	P02	
			1	51	1	16				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-RL5			1	48	1	15				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	50	2	17				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	3	15				CONNECTOR COMMAND UNIT	P02	
			1	51	1	17				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-RL6			1	48	1	14				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	50	2	10				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	51	1	10				CONNECTOR COMMAND UNIT	P02	
TM-RL7			1	48	1	13				FROM GRP50, ELM03 (DISPLAY DRIVER)		
			1	50	2	11				CONNECTOR PUSHBUTTON ASSEMBLY	P03	
			1	50	3	13				CONNECTOR COMMAND UNIT	P02	
			1	51	1	11				FROM GRP50,ELM02 (DISPLAY DRIVER)		
TM-RW			1	20	48	26B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	27				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	27				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	20A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TM-RX			1	20	49	10				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	10				SMPTE/EBU INTERFACE	J11	1.820.751.00
TM-SCIR			1	20	48	20B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	50	13				SMPTE/EBU INTERFACE	J11	1.820.751.00
TM-SHIR			1	20	15	21				DISPLAY DRIVER	P15	
			1	20	48	14A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	50	1	21				FROM GRP20, ELM15 (BASIS B. TD)	P01	
TM-SL2			1	20	48	22B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	4				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-SL3			1	20	49	3				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	16				SMPTE/EBU INTERFACE	J11	1.820.751.00
TM-SL4			1	20	48	9A				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	23				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	23				SMPTE/EBU INTERFACE	J11	1.820.751.00
TM-SL5			1	20	48	9B				MASTER SERIAL INTERFACE	J09	1.820.753.00
			1	20	49	24				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	24				SMPTE/EBU INTERFACE	J11	1.820.751.00

STUDER A827 MCH

* STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 122 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 00 *****

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
TM-SL6			1	20	49	25				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	25				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	20	51	14A				MASTER TO AUDIO INTERFACE	J12	1.820.756.00
TM-SL7			1	20	49	15				MP-UNIT MASTER MCH	J10	1.820.784.00
TM-TX			1	20	49	11				MP-UNIT MASTER MCH	J10	1.820.784.00
			1	20	50	11				SMPTE/EBU INTERFACE	J11	1.820.751.00
TR-A			1	25	7	3			B	CONN. AUTOLOCATOR, REMOTE TIMER	J01	
			1	26	2	5				TO GRP25, ELM01 (REMOTE PANEL)	P02	
TR-B			1	25	7	7			B	CONN. AUTOLOCATOR, REMOTE TIMER	J01	
			1	26	2	4				TO GRP25, ELM01 (REMOTE PANEL)	P02	
TRANSA			1	20	31	3				TO SMPTE/EBU CONNECTOR	P21	
			1	20	50	3				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	23	10	2				SERIAL REMOTE	J09	
			1	23	11	2				SERIAL REMOTE	J10	
			1	25	5	2			B	CONNECTOR SMPTE/EBU BUS	J05	
			1	25	6	2			B	CONNECTOR SMPTE/EBU BUS	J04	
TRANSB			1	20	31	4				TO SMPTE/EBU CONNECTOR	P21	
			1	20	50	4				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	23	10	7				SERIAL REMOTE	J09	
			1	23	11	7				SERIAL REMOTE	J10	
			1	25	5	7			B	CONNECTOR SMPTE/EBU BUS	J05	
			1	25	6	7			B	CONNECTOR SMPTE/EBU BUS	J04	
TRANSCM			1	20	31	2				TO SMPTE/EBU CONNECTOR	P21	
			1	20	50	2				SMPTE/EBU INTERFACE	J11	1.820.751.00
			1	23	10	6				SERIAL REMOTE	J09	
			1	23	11	6				SERIAL REMOTE	J10	
			1	25	5	6			B	CONNECTOR SMPTE/EBU BUS	J05	
		1	25	6	6			B	CONNECTOR SMPTE/EBU BUS	J04		
TS-RX			1	21	4	1				COMMUNICATIONS CONTROLLER	P01	
			1	21	20	8					J05	1.820.718.00
TS-TX			1	21	5	1				COMMUNICATIONS CONTROLLER	P02	
			1	21	20	7					J05	1.820.718.00
WRTSTR12			3	1	1	18A				BASIS BOARD CONNECTOR	CH1/2	P1
			3	5	11	18A				AUDIO ELECTRONICS CH1/2	J11	
			4	1	1	18A				BASIS BOARD CONNECTOR	CH9/10	P1
			4	5	11	18A				AUDIO ELECTRONICS CH9/10	J11	
			5	1	1	18A				BASIS BOARD CONNECTOR	CH17/18	P1
			5	5	11	18A				AUDIO ELECTRONICS CH17/18	J11	
WRTSTR34			3	2	1	18A				BASIS BOARD CONNECTOR	CH3/4	J12
			3	5	12	18A				AUDIO ELECTRONICS CH3/4	J12	
			4	2	1	18A				BASIS BOARD CONNECTOR	CH11/12	J12
			4	5	12	18A				AUDIO ELECTRONICS CH11/12	J12	
			5	2	1	18A				BASIS BOARD CONNECTOR	CH19/20	J12
			5	5	12	18A				AUDIO ELECTRONICS CH19/20	J12	

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 123 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *****

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.	
WRTSTR56			3	3	1	18A				BASIS BOARD CONNECTOR	CH5/6	J13	
			3	5	13	18A				AUDIO ELECTRONICS CH5/6	J13		
			4	3	1	18A				BASIS BOARD CONNECTOR	CH13/14	J13	
			4	5	13	18A				AUDIO ELECTRONICS CH13/14	J13		
			5	3	1	18A				BASIS BOARD CONNECTOR	CH21/22	J13	
			5	5	13	18A				AUDIO ELECTRONICS CH21/22	J13		
WRTSTR78			3	4	1	18A				BASIS BOARD CONNECTOR	CH7/8	J14	
			3	5	14	18A				AUDIO ELECTRONICS CH7/8	J14		
			4	4	1	18A				BASIS BOARD CONNECTOR	CH15/16	J14	
			4	5	14	18A				AUDIO ELECTRONICS CH15/16	J14		
			5	4	1	18A				BASIS BOARD CONNECTOR	CH23/24	J14	
			5	5	14	18A				AUDIO ELECTRONICS CH23/24	J14		
Y-CRTALK			2	1	7	12				REPRODUCE HEAD, CH 01 TO 08	P07		
			2	1	8	12				REPRODUCE HEAD, CH 09 TO 16	P08		
			2	1	9	12				REPRODUCE HEAD, CH 17 TO 24	P09		
			2	2	1	12				INPUT	J01		
			2	2	2	12				OUTPUT	P01		
			2	3	1	12				INPUT	J01		
			2	3	2	12				OUTPUT	P01		
			2	4	1	12				INPUT	J01		
			2	4	2	12				OUTPUT	P01		
	0.0 VCU			1	20	15	22				DISPLAY DRIVER	P15	
				1	20	15	24				DISPLAY DRIVER	P15	
				1	20	15	26				DISPLAY DRIVER	P15	
			1	20	15	28				DISPLAY DRIVER	P15		
			1	20	15	30				DISPLAY DRIVER	P15		
			1	20	15	32				DISPLAY DRIVER	P15		
			1	20	15	34				DISPLAY DRIVER	P15		
			1	20	15	36				DISPLAY DRIVER	P15		
			1	20	15	38				DISPLAY DRIVER	P15		
			1	20	15	40				DISPLAY DRIVER	P15		
			1	20	16	16				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	22				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	26				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	28				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	30				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	32				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	34				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	36				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	38				PARALLEL REMOTE INTERFACE	P16		
			1	20	16	40				PARALLEL REMOTE INTERFACE	P16		
			1	27	2	16				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	22				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	26				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	28				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	30				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	32				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	34				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	36				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	38				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	27	2	40				FROM GRP20, ELM16 (BASIS BOARD)	P02		
			1	50	1	22				FROM GRP20, ELM15 (BASIS B. TD)	P01		

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF			1	50	1	24				FROM GRP20, ELM15 (BASIS B. TD)		P01
0.0 VCU			1	50	1	26				FROM GRP20, ELM15 (BASIS B. TD)		P01
			1	50	1	28				FROM GRP20, ELM15 (BASIS B. TD)		P01
			1	50	1	30				FROM GRP20, ELM15 (BASIS B. TD)		P01
			1	50	1	32				FROM GRP20, ELM15 (BASIS B. TD)		P01
			1	50	1	34				FROM GRP20, ELM15 (BASIS B. TD)		P01
			1	50	1	36				FROM GRP20, ELM15 (BASIS B. TD)		P01
			1	50	1	38				FROM GRP20, ELM15 (BASIS B. TD)		P01
			1	50	1	40				FROM GRP20, ELM15 (BASIS B. TD)		P01
0-SYNC1			3	5	5	3				SYNC OUTPUT CONN. CH 1-4	J06	
			3	5	9	3				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			4	5	5	3				SYNC OUTPUT CONN. CH 9-12	J06	
			4	5	9	3				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			5	5	5	3				SYNC OUTPUT CONN. CH 17-20	J06	
			5	5	9	3				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
0-SYNC2			3	5	5	4				SYNC OUTPUT CONN. CH 1-4	J06	
			3	5	9	4				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			4	5	5	4				SYNC OUTPUT CONN. CH 9-12	J06	
			4	5	9	4				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			5	5	5	4				SYNC OUTPUT CONN. CH 17-20	J06	
			5	5	9	4				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
0-SYNC3			3	5	5	5				SYNC OUTPUT CONN. CH 1-4	J06	
			3	5	9	5				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			4	5	5	5				SYNC OUTPUT CONN. CH 9-12	J06	
			4	5	9	5				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			5	5	5	5				SYNC OUTPUT CONN. CH 17-20	J06	
			5	5	9	5				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
0-SYNC4			3	5	5	7				SYNC OUTPUT CONN. CH 1-4	J06	
			3	5	9	7				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			4	5	5	7				SYNC OUTPUT CONN. CH 9-12	J06	
			4	5	9	7				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			5	5	5	7				SYNC OUTPUT CONN. CH 17-20	J06	
			5	5	9	7				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
0-SYNC5			3	5	6	3				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	8				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			4	5	6	3				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	8				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			5	5	6	3				SYNC OUTPUT CONN. CH 21-24	J04	
			5	5	9	8				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
0-SYNC6			3	5	6	4				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	9				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			4	5	6	4				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	9				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			5	5	6	4				SYNC OUTPUT CONN. CH 21-24	J04	
			5	5	9	9				SYNC OUTPUT CONN. CH 17-24	D-TYPE	

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 125 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
0-SYNC7			3	5	6	5				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	10				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			4	5	6	5				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	10				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			5	5	6	5				SYNC OUTPUT CONN. CH 21-24	J04	
			5	5	9	10				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
0-SYNC8			3	5	6	6				SYNC OUTPUT CONN. CH 5-8	J04	
			3	5	9	11				SYNC OUTPUT CONN. CH 1-8	D-TYPE	
			4	5	6	6				SYNC OUTPUT CONN. CH 13-16	J04	
			4	5	9	11				SYNC OUTPUT CONN. CH 9-16	D-TYPE	
			5	5	6	6				SYNC OUTPUT CONN. CH 21-24	J04	
			5	5	9	11				SYNC OUTPUT CONN. CH 17-24	D-TYPE	
OSTABIN	4		1	20	62	8			L	WIRE FIELD		
	4		1	20	62	9			L	WIRE FIELD		
	4		1	20	70	23			F	FROM GRP35, ELM59	J13	
	4		1	20	71	1			F	TO CAPSTAN MOTOR DRIVE AMPLIFIER P24		
			1	24	3	3			BX	FROM GRP 35		
			1	24	4	3				WIRE FIELD		
			1	24	4	4				WIRE FIELD		
			1	24	4	5				WIRE FIELD		
			1	24	11	33			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	11	34			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	11	35			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	11	36			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	11	37			B	CONN. AUDIO REMOTE CONTROL	J03	
			1	24	12	1				CONN. AUDIO PARALLEL IF		
			1	24	12	2				CONN. AUDIO PARALLEL IF		
			1	24	12	3				CONN. AUDIO PARALLEL IF		
			1	30	1	2			BX	SUPPLY INPUT	J03	
			1	31	3	1			BX	DC INPUT (GRP35, ELM54)	P03	
			1	31	3	2			BX	DC INPUT (GRP35, ELM54)	P03	
			1	32	3	1			BX	DC INPUT (GRP35, ELM56)	P03	
	0		1	33	1	2			BX	SUPPLY INPUT	J03	
	0		1	35	1	1			U	WIRE FIELD		
	0		1	35	1	2			U	WIRE FIELD		
	0		1	35	1	6			U	WIRE FIELD		
	0		1	35	1	8			U	WIRE FIELD		
	0		1	35	1	9			U	WIRE FIELD		
	0		1	35	1	13			U	WIRE FIELD		
	0		1	35	1	15			U	WIRE FIELD		
	0		1	35	1	16			U	WIRE FIELD		
	0		1	35	1	19			U	WIRE FIELD		
	0		1	35	1	20			U	WIRE FIELD		
	0		1	35	1	26			L	WIRE FIELD		
	0		1	35	1	27			L	WIRE FIELD		
	0		1	35	1	28			L	WIRE FIELD		
	0		1	35	1	29			L	WIRE FIELD		
	0		1	35	1	31			L	WIRE FIELD		
	0		1	35	1	33			L	WIRE FIELD		
	0		1	35	1	34			L	WIRE FIELD		
	0		1	35	1	35			L	WIRE FIELD		
	0		1	35	1	38			L	WIRE FIELD		
	0		1	35	51	3			L	CONN. TO REMOTE CTL. CONNECTOR BOARD		

STUDER A827 MCH

 * STUDER REVOX AG * S I G N A L W I R E L I S T * 91/07/18 * 17:29 * P A G E 126 *

 * 1.027.073.00 * A 027 TAPE TRANSPORT & AUDIO HCH * * 91/07/18 - UU *

SIGNAL NAME	COLOR	MI	ASY	GRP	ELM	PNT	S	LV	TYPE	DESCRIPTION OF ELEMENT	REMARK	ELEMENT NR.
<<-- CONT.OF	0		1	35	52	2			AX	FROM GRP30, ELM01	P03	
OSTABIN	0		1	35	54	1			AX	TO GRP31, ELM03	P05	
	0		1	35	54	2			AX	TO GRP31, ELM03	P05	
	0		1	35	56	1			AX	TO GRP32, ELM03	P07	
	0		1	35	57	2			AX	TO GRP33, ELM01	P08	
	0		1	35	58	2			AX	FROM ASY07, GRP11, ELM01	P09	
	0		1	35	58	4			AX	FROM ASY07, GRP11, ELM01	P09	
	0		1	35	58	6			AX	FROM ASY07, GRP11, ELM01	P09	
	0		1	35	58	8			AX	FROM ASY07, GRP11, ELM01	P09	
	0		1	35	59	23			M	TO GRP20, ELM70	P10	
			1	39	3	1			M	FROM GRP20, ELM71 (BASIS B. TD)	P03	
			7	3	4	1				TO POWER FAIL CONTROL CONNECTOR	P04	54.14.2001
			7	3	4	2				TO POWER FAIL CONTROL CONNECTOR	P04	54.14.2001
	0		7	3	5	2			BX	AC CONTROL CONNECTOR	P05	54.25.0308
			7	8	9	2				CAPACITOR	C01	59.07.0004
			7	8	10	2				CAPACITOR	C02	59.07.0004
			7	8	11	2				CAPACITOR	C03	59.07.0004
			7	8	12	2			L	RESISTOR	R01	57.92.4152
	0		7	11	1	2			BX	DC OUTPUT CONNECTOR	J02	54.25.0310
	0		7	11	1	4			BX	DC OUTPUT CONNECTOR	J02	54.25.0310
	0		7	11	1	6			BX	DC OUTPUT CONNECTOR	J02	54.25.0310
	0		7	11	1	8			BX	DC OUTPUT CONNECTOR	J02	54.25.0310

* STUDER REVOX AG * S I G N A L S T A T I S T I C S * 91/07/18 * 17:29 * P A G E 127 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIG. NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG. NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000001	+ 0.0	471				000053	A-SOURC6	6			
000002	+ 0.0T	1	6			000054	A-SOURC7	6			
000003	+ 0.0VA	123				000055	A-SOURC8	6			
000004	+ 0.0VD	47				000056	A-SYNC1	12			
000005	+ 5.0	13	2			000057	A-SYNC2	12			
000006	+ 5.6	253				000058	A-SYNC3	12			
000007	+ 5V	2				000059	A-SYNC4	12			
000008	+STABIN	9	2			000060	A-SYNC5	12			
000009	+STABIN1	20				000061	A-SYNC6	12			
000010	+STABIN2	16				000062	A-SYNC7	12			
000011	+STABIN3	23				000063	A-SYNC8	12			
000012	+STABIN4	41				000064	A-TAPOU1	6			
000013	+VMOT	10				000065	A-TAPOU2	6			
000014	+YSUP	1				000066	A-TAPOU3	6			
000015	+0.0	3				000067	A-TAPOU4	6			
000016	+0.0SENS	3	0			000068	A-TAPOU5	6			
000017	+15.0	218				000069	A-TAPOU6	6			
000018	+15.0T	1	2			000070	A-TAPOU7	6			
000019	+24.0	81				000071	A-TAPOU8	6			
000020	+24.0L	4				000072	A-TONGEN	55			
000021	+24.0NRS	15				000073	A-VUMR10	4			
000022	+24.0REM	8				000074	A-VUMR11	4			
000023	+26.0	17				000075	A-VUMR12	4			
000024	+5.6SENS	3	4			000076	A-VUMR13	4			
000025	-VMOT	10				000077	A-VUMR14	4			
000026	-YSUP	1				000078	A-VUMR15	4			
000027	-15.0	215				000079	A-VUMR16	4			
000028	-26.0	17				000080	A-VUMR17	4			
000029	A-DRVIN1	6				000081	A-VUMR18	4			
000030	A-DRVIN2	6				000082	A-VUMR19	4			
000031	A-DRVIN3	6				000083	A-VUMR20	4			
000032	A-DRVIN4	6				000084	A-VUMR21	4			
000033	A-DRVIN5	6				000085	A-VUMR22	4			
000034	A-DRVIN6	6				000086	A-VUMR23	4			
000035	A-DRVIN7	6				000087	A-VUMR24	4			
000036	A-DRVIN8	6				000088	A-VUMTR1	4			
000037	A-DTIN	7				000089	A-VUMTR2	4			
000038	A-DTOUT	7				000090	A-VUMTR3	4			
000039	A-HFIN	24				000091	A-VUMTR4	4			
000040	A-RECIN1	6				000092	A-VUMTR5	4			
000041	A-RECIN2	6				000093	A-VUMTR6	4			
000042	A-RECIN3	6				000094	A-VUMTR7	4			
000043	A-RECIN4	6				000095	A-VUMTR8	4			
000044	A-RECIN5	6				000096	A-VUMTR9	4			
000045	A-RECIN6	6				000097	AC-01	7			
000046	A-RECIN7	6				000098	AC-02	7			
000047	A-RECIN8	6				000099	AC-03	7			
000048	A-SOURC1	6				00100	AC-04	7			
000049	A-SOURC2	6				00101	AC-05	7			
000050	A-SOURC3	6				00102	AC-06	7			
000051	A-SOURC4	6				00103	AC-07	7			
000052	A-SOURC5	6				00104	AC4-R1	2			
						00105	AC4-R2	2			
						00106	AC4-R3	2			

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 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIG. NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG. NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000107	AC4-R4	2				000160	B-RCD-12	3			
000108	AC5-R1	2				000161	B-RCD-13	3			
000109	AC5-R2	2				000162	B-RCD-14	3			
000110	AC5-R3	2				000163	B-RCD-15	3			
000111	AC5-R4	2				000164	B-RCD-16	3			
000112	AC6-R1	2				000165	B-RCD-17	3			
000113	AC6-R2	2				000166	B-RCD-18	3			
000114	AC6-R3	2				000167	B-RCD-19	3			
000115	AC6-R4	2				000168	B-RCD-20	3			
000116	ADS-CLK	4				000169	B-RCD-21	3			
000117	ADS-CTS	4				000170	B-RCD-22	3			
000118	ADS-DTR	4				000171	B-RCD-23	3			
000119	ADS-RX	4				000172	B-RCD-24	3			
000120	ADS-TX	4				000173	BH-0.2	3			
000121	AN-CSPDC	4				000174	BH-0.3	3			
000122	AN-ICL	2				000175	BH-0.4	3			
000123	AN-ICLD	3				000176	BH-0.5	3			
000124	AN-ICR	3				000177	BH-0.6	3			
000125	AN-ICRD	5				000178	BH-0.7	3			
000126	AN-IRL	2				000179	BR-FADRY	4			
000127	AN-IRR	3				000180	BR-FORW	8			
000128	AN-RES1	5				000181	BR-LOCST	4			
000129	AN-RES2	5				000182	BR-PLAY	8			
000130	AN-RES3	5				000183	BR-REC	8			
000131	AN-RES4	1				000184	BR-REM	8			
000132	AN-TLKLK	6				000185	BR-STOP	8			
000133	AN-TLKUC	6				000186	BR-VRSPD	8			
000134	AN-TLK01	2									
000135	AN-TLK08	2				000187	C-ARES	16			
000136	AN-TLK09	2				000188	C-D0	24			
000137	AN-TLK16	2				000189	C-D1	24			
000138	AN-TLK17	2				000190	C-D2	24			
000139	AN-TLK24	2				000191	C-D3	24			
000140	AN-TTL	6				000192	C-D4	24			
000141	AN-TTR	6				000193	C-D5	24			
000142	ANM-SH1	3				000194	C-D6	24			
000143	ANM-SH2	3				000195	C-D7	24			
000144	ANM-SH3	3				000196	C-LDCLKA	2			
000145	ARECEIV	1	3			000197	C-LDCLKB	2			
000146	ARECEIVB	1	8			000198	C-LDCLKC	2			
000147	ATRANS	1	4			000199	C-LDDATA	2			
000148	ATRANSB	1	2			000200	C-LDDATB	2			
						000201	C-LDDATC	2			
000149	B-RCD-01	3				000202	C-LDSTR1	2			
000150	B-RCD-02	3				000203	C-LDSTR2	2			
000151	B-RCD-03	3				000204	C-LDSTR3	2			
000152	B-RCD-04	3				000205	C-LDSTR4	2			
000153	B-RCD-05	3				000206	C-LDSTR5	2			
000154	B-RCD-06	3				000207	C-LDSTR6	2			
000155	B-RCD-07	3				000208	C-LEDCLK	6			
000156	B-RCD-08	3				000209	C-LEDDAT	6			
000157	B-RCD-09	3				000210	C-OEREC	24			
000158	B-RCD-10	3				000211	CD4-R2	1	0		
000159	B-RCD-11	3				000212	CPHASE-R	3	2		

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SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000213	CPHASE-S	3	0			000265	ERAHL-14	2			
000214	CPHASE-T	3	9			000266	ERAHL-15	2			
000215	CVIDEO	2	9			000267	ERAHL-16	2			
000216	DATASTR	24				000268	ERAHL-17	2			
000217	DC4-R1	1	2			000269	ERAHL-18	2			
000218	DC4-R3	1	2			000270	ERAHL-19	2			
000219	DC4-R4	1	0			000271	ERAHL-20	2			
000220	DC5-R1	1	2			000272	ERAHL-21	2			
000221	DC5-R2	1	0			000273	ERAHL-22	2			
000222	DC5-R3	1	2			000274	ERAHL-23	2			
000223	DC5-R4	1	0			000275	ERAHL-24	2			
000224	DC6-R1	1	0			000276	ERAHO-01	1			
000225	DC6-R2	1	0			000277	ERAHO-02	1			
000226	DC6-R3	1	0			000278	ERAHO-03	1			
000227	DC6-R4	1	0			000279	ERAHO-04	1			
000228	ERAHH-01	2				000280	ERAHO-05	1			
000229	ERAHH-02	2				000281	ERAHO-06	1			
000230	ERAHH-03	2				000282	ERAHO-07	1			
000231	ERAHH-04	2				000283	ERAHO-08	1			
000232	ERAHH-05	2				000284	ERAHO-09	1			
000233	ERAHH-06	2				000285	ERAHO-10	1			
000234	ERAHH-07	2				000286	ERAHO-11	1			
000235	ERAHH-08	2				000287	ERAHO-12	1			
000236	ERAHH-09	2				000288	ERAHO-13	1			
000237	ERAHH-10	2				000289	ERAHO-14	1			
000238	ERAHH-11	2				000290	ERAHO-15	1			
000239	ERAHH-12	2				000291	ERAHO-16	1			
000240	ERAHH-13	2				000292	ERAHO-17	1			
000241	ERAHH-14	2				000293	ERAHO-18	1			
000242	ERAHH-15	2				000294	ERAHO-19	1			
000243	ERAHH-16	2				000295	ERAHO-20	1			
000244	ERAHH-17	2				000296	ERAHO-21	1			
000245	ERAHH-18	2				000297	ERAHO-22	1			
000246	ERAHH-19	2				000298	ERAHO-23	1			
000247	ERAHH-20	2				000299	ERAHO-24	1			
000248	ERAHH-21	2				000300	ERASC-01	1			
000249	ERAHH-22	2				000301	ERASC-02	1			
000250	ERAHH-23	2				000302	ERASC-03	1			
000251	ERAHH-24	2				000303	ERASC-04	1			
000252	ERAHL-01	2				000304	ERASC-05	1			
000253	ERAHL-02	2				000305	ERASC-06	1			
000254	ERAHL-03	2				000306	ERASC-07	1			
000255	ERAHL-04	2				000307	ERASC-08	1			
000256	ERAHL-05	2				000308	ERASC-09	1			
000257	ERAHL-06	2				000309	ERASC-10	1			
000258	ERAHL-07	2				000310	ERASC-11	1			
000259	ERAHL-08	2				000311	ERASC-12	1			
000260	ERAHL-09	2				000312	ERASC-13	1			
000261	ERAHL-10	2				000313	ERASC-14	1			
000262	ERAHL-11	2				000314	ERASC-15	1			
000263	ERAHL-12	2				000315	ERASC-16	1			
000264	ERAHL-13	2				000316	ERASC-17	1			
						000317	ERASC-18	1			
						000318	ERASC-19	1			

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SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000319	ERASC-20	1				000368	LINFA-12	2			
000320	ERASC-21	1				000369	LINFA-13	2			
000321	ERASC-22	1				000370	LINFA-14	2			
000322	ERASC-23	1				000371	LINFA-15	2			
000323	ERASC-24	1				000372	LINFA-16	2			
000324	FAD1	4				000373	LINFA-17	2			
000325	FAD2	4				000374	LINFA-18	2			
000326	FRMGND	12				000375	LINFA-19	2			
000327	GND	117				000376	LINFA-20	2			
000328	IR-REFAR	1				000377	LINFA-21	2			
000329	IR-REFEX	4				000378	LINFA-22	2			
000330	IR-REFPR	1				000379	LINFA-23	2			
000331	IR-REFSY	1				000380	LINFA-24	2			
000332	K-BRAKEL	4				000381	LINFB-01	2			
000333	K-BRAKER	4				000382	LINFB-02	2			
000334	KEY/CDIR	4				000383	LINFB-03	2			
000335	LCU-A	1	2			000384	LINFB-04	2			
000336	LCU-B	1	3			000385	LINFB-05	2			
000337	LINA-01	3				000386	LINFB-06	2			
000338	LINA-02	3				000387	LINFB-07	2			
000339	LINA-03	3				000388	LINFB-08	2			
000340	LINA-04	3				000389	LINFB-09	2			
000341	LINA-05	3				000390	LINFB-10	2			
000342	LINA-06	3				000391	LINFB-11	2			
000343	LINA-07	3				000392	LINFB-12	2			
000344	LINA-08	3				000393	LINFB-13	2			
000345	LINB-01	3				000394	LINFB-14	2			
000346	LINB-02	3				000395	LINFB-15	2			
000347	LINB-03	3				000396	LINFB-16	2			
000348	LINB-04	3				000397	LINFB-17	2			
000349	LINB-05	3				000398	LINFB-18	2			
000350	LINB-06	3				000399	LINFB-19	2			
000351	LINB-07	3				000400	LINFB-20	2			
000352	LINB-08	3				000401	LINFB-21	2			
000353	LINE1	1				000402	LINFB-22	2			
000354	LINE1-S	5	1			000403	LINFB-23	2			
000355	LINE2	6	6			000404	LINFB-24	2			
000356	LINE2-S	5	6			000405	LINS-01	3			
000357	LINFA-01	2				000406	LINS-02	3			
000358	LINFA-02	2				000407	LINS-03	3			
000359	LINFA-03	2				000408	LINS-04	3			
000360	LINFA-04	2				000409	LINS-05	3			
000361	LINFA-05	2				000410	LINS-06	3			
000362	LINFA-06	2				000411	LINS-07	3			
000363	LINFA-07	2				000412	LINS-08	3			
000364	LINFA-08	2				000413	LOUFA-01	2			
000365	LINFA-09	2				000414	LOUFA-02	2			
000366	LINFA-10	2				000415	LOUFA-03	2			
000367	LINFA-11	2				000416	LOUFA-04	2			
						000417	LOUFA-05	2			
						000418	LOUFA-06	2			
						000419	LOUFA-07	2			
						000420	LOUFA-08	2			
						000421	LOUFA-09	2			

* STUDER REVOX AG * S I G N A L S T A T I S T I C S * 91/07/18 * 17:29 * P A G E 131 *

 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIG.NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000422	LOUFA-10	2				000476	LOUTB-08	3			
000423	LOUFA-11	2				000477	LOUTS-01	3			
000424	LOUFA-12	2				000478	LOUTS-02	3			
000425	LOUFA-13	2				000479	LOUTS-03	3			
000426	LOUFA-14	2				000480	LOUTS-04	3			
000427	LOUFA-15	2				000481	LOUTS-05	3			
000428	LOUFA-16	2				000482	LOUTS-06	3			
000429	LOUFA-17	2				000483	LOUTS-07	3			
000430	LOUFA-18	2				000484	LOUTS-08	3			
000431	LOUFA-19	2									
000432	LOUFA-20	2									
000433	LOUFA-21	2				000485	M-FREC	1	2		
000434	LOUFA-22	2				000486	M-MOVE1	1	5		
000435	LOUFA-23	2				000487	M-MOVE2L	1	8		
000436	LOUFA-24	2				000488	M-PLAY	1	7		
000437	LOUFB-01	2				000489	M-REC	1	6		
000438	LOUFB-02	2				000490	M-STOP	1	3		
000439	LOUFB-03	2				000491	M-TPILLOT	1	4		
000440	LOUFB-04	2				000492	MBCR	1	9		
000441	LOUFB-05	2				000493	MBCS	1	4		
000442	LOUFB-06	2				000494	MODSTR-A	24			
000443	LOUFB-07	2				000495	MODSTR-B	24			
000444	LOUFB-08	2				000496	MODSTR12	6			
000445	LOUFB-09	2				000497	MODSTR34	6			
000446	LOUFB-10	2				000498	MODSTR56	6			
000447	LOUFB-11	2				000499	MODSTR78	6			
000448	LOUFB-12	2				000500	MTClA	3	6		
000449	LOUFB-13	2				000501	MTClB	3	9		
000450	LOUFB-14	2									
000451	LOUFB-15	2				000502	OC-RES1	1			
000452	LOUFB-16	2				000503	OC-RES2	1			
000453	LOUFB-17	2				000504	OC-RES3	1			
000454	LOUFB-18	2				000505	OC-RES4	1			
000455	LOUFB-19	2				000506	OR-CHCLK	4			
000456	LOUFB-20	2				000507	OR-MVCLK	4			
000457	LOUFB-21	2				000508	OR-MVDIR	4			
000458	LOUFB-22	2				000509	OR-SYENB	4			
000459	LOUFB-23	2									
000460	LOUFB-24	2				000510	PH-01	2			
000461	LOUTA-01	2				000511	PH-02	2			
000462	LOUTA-02	2				000512	PH-03	2			
000463	LOUTA-03	2				000513	PH-04	2			
000464	LOUTA-04	2				000514	PH-05	2			
000465	LOUTA-05	2				000515	PH-06	2			
000466	LOUTA-06	2				000516	PH-07	2			
000467	LOUTA-07	2				000517	PH-08	2			
000468	LOUTA-08	2				000518	PH-09	2			
000469	LOUTB-01	2				000519	PH-10	2			
000470	LOUTB-02	2				000520	PH-11	2			
000471	LOUTB-03	2				000521	PH-12	2			
000472	LOUTB-04	2				000522	PH-13	2			
000473	LOUTB-05	2				000523	PH-14	2			
000474	LOUTB-06	2				000524	PNLBU51	16			
000475	LOUTB-07	2				000525	PNLBU52	16			
						000526	PNMPL-H1	3			

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SIG.NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000527	PWMPL-H2	3				000580	RECHL-11	2	0		
000528	PWMPL-L1	3				000581	RECHL-12	2	0		
000529	PWMPL-L2	2				000582	RECHL-13	2	0		
000530	PWMPL-L3	3				000583	RECHL-14	2	0		
000531	PWMPL-L4	3				000584	RECHL-15	2	0		
000532	PWMPL-L5	3				000585	RECHL-16	2	0		
000533	PWMPL-L6	3				000586	RECHL-17	2	0		
000534	PWMPL-H1	5				000587	RECHL-18	2	0		
000535	PWMPL-H2	5				000588	RECHL-19	2	0		
000536	PWMPL-L1	5				000589	RECHL-20	2	0		
000537	PWMPL-L2	4				000590	RECHL-21	2	0		
000538	PWMPL-L3	5				000591	RECHL-22	2	0		
000539	PWMPL-L4	5				000592	RECHL-23	2	0		
000540	PWMPL-L5	5				000593	RECHL-24	2	0		
000541	PWMPL-L6	5				000594	RECSC-01	1			
						000595	RECSC-02	1			
000542	RCV-232	1				000596	RECSC-03	1			
000543	RECEIVA	6				000597	RECSC-04	1			
000544	RECEIVB	6				000598	RECSC-05	1			
000545	RECEIVCM	6				000599	RECSC-06	1			
000546	RECHH-01	2	1			000600	RECSC-07	1			
000547	RECHH-02	2	1			000601	RECSC-08	1			
000548	RECHH-03	2	1			000602	RECSC-09	1			
000549	RECHH-04	2	1			000603	RECSC-10	1			
000550	RECHH-05	2	1			000604	RECSC-11	1			
000551	RECHH-06	2	1			000605	RECSC-12	1			
000552	RECHH-07	2	1			000606	RECSC-13	1			
000553	RECHH-08	2	1			000607	RECSC-14	1			
000554	RECHH-09	2	1			000608	RECSC-15	1			
000555	RECHH-10	2	1			000609	RECSC-16	1			
000556	RECHH-11	2	1			000610	RECSC-17	1			
000557	RECHH-12	2	1			000611	RECSC-18	1			
000558	RECHH-13	2	1			000612	RECSC-19	1			
000559	RECHH-14	2	1			000613	RECSC-20	1			
000560	RECHH-15	2	1			000614	RECSC-21	1			
000561	RECHH-16	2	1			000615	RECSC-22	1			
000562	RECHH-17	2	1			000616	RECSC-23	1			
000563	RECHH-18	2	1			000617	RECSC-24	1			
000564	RECHH-19	2	1			000618	RECSTR12	6			
000565	RECHH-20	2	1			000619	RECSTR34	6			
000566	RECHH-21	2	1			000620	RECSTR56	6			
000567	RECHH-22	2	1			000621	RECSTR78	6			
000568	RECHH-23	2	1			000622	REPHH-01	2	1		
000569	RECHH-24	2	1			000623	REPHH-02	2	1		
000570	RECHL-01	2	0			000624	REPHH-03	2	1		
000571	RECHL-02	2	0			000625	REPHH-04	2	1		
000572	RECHL-03	2	0			000626	REPHH-05	2	1		
000573	RECHL-04	2	0			000627	REPHH-06	2	1		
000574	RECHL-05	2	0			000628	REPHH-07	2	1		
000575	RECHL-06	2	0			000629	REPHH-08	2	1		
000576	RECHL-07	2	0			000630	REPHH-09	2	1		
000577	RECHL-08	2	0			000631	REPHH-10	2	1		
000578	RECHL-09	2	0			000632	REPHH-11	2	1		
000579	RECHL-10	2	0			000633	REPHH-12	2	1		

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SIG.NR	SIGNAL NAME	OCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000634	REPHH-13	2	1			000688	REPRE-19	2			
000635	REPHH-14	2	1			000689	REPRE-20	2			
000636	REPHH-15	2	1			000690	REPRE-21	2			
000637	REPHH-16	2	1			000691	REPRE-22	2			
000638	REPHH-17	2	1			000692	REPRE-23	2			
000639	REPHH-18	2	1			000693	REPRE-24	2			
000640	REPHH-19	2	1			000694	REPRO-01	2			
000641	REPHH-20	2	1			000695	REPRO-02	2			
000642	REPHH-21	2	1			000696	REPRO-03	2			
000643	REPHH-22	2	1			000697	REPRO-04	2			
000644	REPHH-23	2	1			000698	REPRO-05	2			
000645	REPHH-24	2	1			000699	REPRO-06	2			
000646	REPHL-01	2	0			000700	REPRO-07	2			
000647	REPHL-02	2	0			000701	REPRO-08	2			
000648	REPHL-03	2	0			000702	REPRO-09	2			
000649	REPHL-04	2	0			000703	REPRO-10	2			
000650	REPHL-05	2	0			000704	REPRO-11	2			
000651	REPHL-06	2	0			000705	REPRO-12	2			
000652	REPHL-07	2	0			000706	REPRO-13	2			
000653	REPHL-08	2	0			000707	REPRO-14	2			
000654	REPHL-09	2	0			000708	REPRO-15	2			
000655	REPHL-10	2	0			000709	REPRO-16	2			
000656	REPHL-11	2	0			000710	REPRO-17	2			
000657	REPHL-12	2	0			000711	REPRO-18	2			
000658	REPHL-13	2	0			000712	REPRO-19	2			
000659	REPHL-14	2	0			000713	REPRO-20	2			
000660	REPHL-15	2	0			000714	REPRO-21	2			
000661	REPHL-16	2	0			000715	REPRO-22	2			
000662	REPHL-17	2	0			000716	REPRO-23	2			
000663	REPHL-18	2	0			000717	REPRO-24	2			
000664	REPHL-19	2	0			000718	REPS-01	1			
000665	REPHL-20	2	0			000719	REPS-02	1			
000666	REPHL-21	2	0			000720	REPS-03	1			
000667	REPHL-22	2	0			000721	REPS-04	1			
000668	REPHL-23	2	0			000722	REPS-05	1			
000669	REPHL-24	2	0			000723	REPS-06	1			
000670	REPRE-01	2				000724	REPS-07	1			
000671	REPRE-02	2				000725	REPS-08	1			
000672	REPRE-03	2				000726	REPS-09	1			
000673	REPRE-04	2				000727	REPS-10	1			
000674	REPRE-05	2				000728	REPS-11	1			
000675	REPRE-06	2				000729	REPS-12	1			
000676	REPRE-07	2				000730	REPS-13	1			
000677	REPRE-08	2				000731	REPS-14	1			
000678	REPRE-09	2				000732	REPS-15	1			
000679	REPRE-10	2				000733	REPS-16	1			
000680	REPRE-11	2				000734	REPS-17	1			
000681	REPRE-12	2				000735	REPS-18	1			
000682	REPRE-13	2				000736	REPS-19	1			
000683	REPRE-14	2				000737	REPS-20	1			
000684	REPRE-15	2				000738	REPS-21	1			
000685	REPRE-16	2				000739	REPS-22	1			
000686	REPRE-17	2				000740	REPS-23	1			
000687	REPRE-18	2				000741	REPS-24	1			

***** STUDER REVOX AG * S I G N A L S T A T I S T I C S * 91/07/18 * 17:29 * P A G E 134 *
 ***** 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIG.NR	SIGNAL NAME	OCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000742	RES	1				000794	T-AOP-EF	2			
000743	RESERVE	14				000795	T-A1	2			
000744	RESERVE1	5	3			000796	T-A1N-AB	2			
000745	RESERVE2	5	0			000797	T-A1N-CD	5			
000746	RESERVE3	4				000798	T-A1N-EF	2			
000747	S-ENABLE	1	8			000799	T-A1P-AB	2			
000748	SBCR	1	9			000800	T-A1P-CD	5			
000749	SBCS	1	4			000801	T-A1P-EF	2			
000750	SHIELD	10	S			000802	T-A2	2			
000751	SIGN.GND	2				000803	T-A3	2			
000752	SND-232	1				000804	T-B0	2			
000753	SPARE	5				000805	T-B0	2			
000754	SR-FADRY	4				000806	T-B1	2			
000755	SR-FORW	8				000807	T-B2	2			
000756	SR-LIFT	8				000808	T-B3	2			
000757	SR-LOCST	4				000809	T-CLN-AB	2			
000758	SR-MUTE	4				000810	T-CLN-CD	2			
000759	SR-PLAY	12				000811	T-CLN-EF	2			
000760	SR-REC	12				000812	T-CLP-AB	2			
000761	SR-REHSL	4				000813	T-CLP-CD	2			
000762	SR-RESET	4				000814	T-CLP-EF	2			
000763	SR-REVPS	1				000815	T-DT-CH1	5			
000764	SR-REW	8				000816	T-DT-CH2	5			
000765	SR-RVPS	3				000817	T-DT-CH3	5			
000766	SR-STOP	8				000818	T-DT-HP	7			
000767	SR-VRSPD	4				000819	T-DT-RES	5			
000768	SR-VSAR	1				000820	T-DT-RP1	5			
000769	SR-VSPR	1				000821	T-DT-RP2	5			
000770	SR-VSSY	1				000822	T-DT-SJM	3			
000771	SR-OLOC	4				000823	T-DT0-AB	2			
000772	STC1A	2	6			000824	T-DT0-CD	5			
000773	STC1B	2	9			000825	T-DT0-EF	5			
000774	SYCOM0	9				000826	T-DT1-AB	2			
000775	SYCOM1	9				000827	T-DT1-CD	5			
000776	SYCOM2	12				000828	T-DT1-EF	2			
000777	SYCOM3	12				000829	T-DT2-AB	2			
000778	SYCOM4	12				000830	T-DT2-CD	5			
000779	SYCOM5	12				000831	T-DT2-EF	2			
000780	SYCOM6	12				000832	T-DT3-AB	2			
000781	SYCOM7	12				000833	T-DT3-CD	5			
000782	SYCOM8	9				000834	T-DT3-EF	2			
000783	SYCOM9	9				000835	T-DT4-AB	2			
000784	SYS-CTS	2				000836	T-DT4-CD	5			
000785	SYS-DTR	2				000837	T-DT4-EF	2			
000786	SYS-RX	2				000838	T-DT5-AB	5			
000787	SYS-TX	2				000839	T-DT5-CD	5			
000788	T-A0	2				000840	T-DT5-EF	2			
000789	T-A0N-AB	2				000841	T-DT6-AB	2			
000790	T-A0N-CD	5				000842	T-DT6-CD	5			
000791	T-A0N-EF	2				000843	T-DT6-EF	2			
000792	T-A0P-AB	2				000844	T-DT7-AB	2			
000793	T-A0P-CD	5				000845	T-DT7-CD	2			
						000846	T-DT7-EF	2			
						000847	T-IRES2	1			

* STUDER REVOK AG * S I G N A L S T A T I S T I C S * 91/07/18 * 17:29 * P A G E 135 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000848	T-IRES3	1				000902	TA-DRENB	1			
000849	T-IRES4	1				000903	TA-ENB	5			
000850	T-OE	2				000904	TA-IRQ	2			
000851	T-PHRON	18				000905	TA-NMI	1			
000852	T-READSL	7				000906	TA-OUTP0	3			
000853	T-REFEXT	4				000907	TA-RESET	2			
000854	T-REFINT	2				000908	TA-RESMP	3			
000855	T-RESET	2				000909	TA-RM	5			
000856	T-RL0	2				000910	TA-RX	2			
000857	T-RL1	2				000911	TA-SL2	2			
000858	T-RL2	2				000912	TA-SL3	1			
000859	T-RL3	2				000913	TA-SL4	2			
000860	T-RL4	2				000914	TA-SL5	1			
000861	T-RL5	2				000915	TA-SL6	2			
000862	T-RL6	2				000916	TA-SL7	2			
000863	T-RL7	2				000917	TA-TX	2			
000864	T-RWN-AB	2				000918	TAD-RESA	3			
000865	T-RWN-CD	5				000919	TAD-RESB	3			
000866	T-RWN-EF	2				000920	TAD-RESC	3			
000867	T-RWP-AB	2				000921	TC-ADR0	3			
000868	T-RWP-CD	5				000922	TC-ADR1	3			
000869	T-RWP-EF	2				000923	TC-ADR2	3			
000870	T-SADA	7				000924	TC-CAPDC	3			
000871	T-SADB	7				000925	TC-CDIRI	2			
000872	T-SADC	7				000926	TC-CPREF	2			
000873	T-SL-AB	2				000927	TC-DATA0	3			
000874	T-SL-CD	5				000928	TC-DATA1	4			
000875	T-SL-EF	2				000929	TC-DATA2	4			
000876	T-SL0	2				000930	TC-DATA3	4			
000877	T-SL1	2				000931	TC-DATA4	4			
000878	T-SL2	2				000932	TC-DATA5	4			
000879	T-SL3	2				000933	TC-DATA6	4			
000880	T-SPDSL1	1				000934	TC-DATA7	4			
000881	T-SPDSL2	1				000935	TC-ENB	3			
000882	T-SUPVON	3				000936	TC-ENBG	3			
000883	T-VARSPD	1				000937	TC-EREF	2			
000884	T-HRTSL	7				000938	TC-EVEN	4			
000885	TA-ADR0	5				000939	TC-EVENT	4			
000886	TA-ADR1	5				000940	TC-HALL1	2			
000887	TA-ADR2	5				000941	TC-HALL2	2			
000888	TA-ADR3	3				000942	TC-HALL3	2			
000889	TA-AUIR	2				000943	TC-INEX	2			
000890	TA-CLMCD	3				000944	TC-IRQ	3			
000891	TA-CLPCD	3				000945	TC-REF	2			
000892	TA-C614K	2				000946	TC-REFP	2			
000893	TA-C76K	1				000947	TC-RESMP	3			
000894	TA-DATA0	5				000948	TC-RM	3			
000895	TA-DATA1	5				000949	TC-SL1	2			
000896	TA-DATA2	5				000950	TC-SL2	2			
000897	TA-DATA3	5				000951	TC-SL3	2			
000898	TA-DATA4	5				000952	TC-SL4	2			
000899	TA-DATA5	5				000953	TC-TCDIR	5			
000900	TA-DATA6	5				000954	TC-TCMV	2			
000901	TA-DATA7	5				000955	TC-TCMVI	2			

* STUDER REVOK AG * S I G N A L S T A T I S T I C S * 91/07/18 * 17:29 * P A G E 136 *
 * 1.827.073.00 * A 827 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 - 00 *

SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR-RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
000956	TD-ADR0	6				001010	TD-SHLD	3			
000957	TD-ADR1	6				001011	TD-SL2	1			
000958	TD-ADR2	5				001012	TD-SL3	2			
000959	TD-ADR3	3				001013	TD-SL4	2			
000960	TD-BUSSM	1				001014	TD-SL5	2			
000961	TD-CAPSY	3				001015	TD-SL6	2			
000962	TD-CRES	2				001016	TD-SL7	2			
000963	TD-C307K	4				001017	TD-TCM1	6			
000964	TD-C614K	1				001018	TD-TCM2	6			
000965	TD-C76K	17				001019	TD-TML1	5			
000966	TD-DATA0	6				001020	TD-TML2	5			
000967	TD-DATA1	6				001021	TD-TMR1	5			
000968	TD-DATA2	6				001022	TD-TMR2	5			
000969	TD-DATA3	6				001023	TD-TRSP	4			
000970	TD-DATA4	6				001024	TD-TRSPR	2			
000971	TD-DATA5	6				001025	TD-TX	1			
000972	TD-DATA6	6				001026	TD-YTRSP	2			
000973	TD-DATA7	6				001027	TD-9600	1			
000974	TD-DRENB	1				001028	TDS-CLK	3			
000975	TD-ENB	6				001029	TDS-CTS	2			
000976	TD-EVENT	5				001030	TDS-DTR	2			
000977	TD-HEACT	5				001031	TDS-RX	2			
000978	TD-ICRE1	1				001032	TDS-TX	2			
000979	TD-ICRE2	1				001033	TL-A0	2			
000980	TD-ICRE3	1				001034	TL-CS	2			
000981	TD-ICRE4	1				001035	TL-D0	2			
000982	TD-ICRE5	1				001036	TL-D1	2			
000983	TD-IRQ	4				001037	TL-D2	2			
000984	TD-MOVE	5				001038	TL-D3	2			
000985	TD-MOVE1	5				001039	TL-D4	2			
000986	TD-MOVE2	5				001040	TL-D5	2			
000987	TD-MVCLK	5				001041	TL-D6	2			
000988	TD-MVDIR	8				001042	TL-D7	2			
000989	TD-NMI	1				001043	TL-ENB	2			
000990	TD-PENBL	2				001044	TL-RESET	2			
000991	TD-PENBR	2				001045	TL-WR	2			
000992	TD-PHENB	1				001046	TM-A	2			
000993	TD-PHEN1	4				001047	TM-ADR0	4			
000994	TD-PHEN2	4				001048	TM-ADR1	4			
000995	TD-RALC1	3				001049	TM-ADR2	4			
000996	TD-RALC2	3				001050	TM-ADR3	3			
000997	TD-RALEN	3				001051	TM-B	3			
000998	TD-RALP1	3				001052	TM-BUSSM	2			
000999	TD-RALP2	3				001053	TM-C	2			
001000	TD-RARC1	5				001054	TM-CUE1	3			
001001	TD-RARC2	5				001055	TM-CUE2	3			
001002	TD-RAREN	5				001056	TM-C307K	1			
001003	TD-RARP1	5				001057	TM-C614K	1			
001004	TD-RARP2	5				001058	TM-C76K	1			
001005	TD-RES	5				001059	TM-C9600	1			
001006	TD-RESET	2				001060	TM-D	2			
001007	TD-RESMP	2				001061	TM-DADR0	5			
001008	TD-RM	6				001062	TM-DADR1	3			
001009	TD-RX	1				001063	TM-DADR2	3			

STUDER A827 MCH

 * STUDER REVOK AG * S I G N A L S T A T I S T I C S * 91/07/18 * 17:29 * P A G E 137 *

 * 1.007.073.00 * A 007 TAPE TRANSPORT & AUDIO MCH * * 91/07/02 * 00 *

SIG.NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP	SIG.NR	SIGNAL NAME	OCCUR- RENCE	COLOR	SPECIAL # * < @	#-NODE ASY GRP
001064	TM-DATA0	8				001118	TM-RESMP	2			
001065	TM-DATA1	8				001119	TM-RL0	2			
001066	TM-DATA2	8				001120	TM-RL1	5			
001067	TM-DATA3	8				001121	TM-RL2	4			
001068	TM-DATA4	8				001122	TM-RL3	4			
001069	TM-DATA5	8				001123	TM-RL4	4			
001070	TM-DATA6	8				001124	TM-RL5	4			
001071	TM-DATA7	8				001125	TM-RL6	4			
001072	TM-DENB	5				001126	TM-RL7	4			
001073	TM-DP	2				001127	TM-RW	4			
001074	TM-DRENB	2				001128	TM-RX	2			
001075	TM-DRES	5				001129	TM-SEIR	2			
001076	TM-DRW	3				001130	TM-SHIR	3			
001077	TM-DSL4	3				001131	TM-SL2	2			
001078	TM-DSL5	3				001132	TM-SL3	2			
001079	TM-D0	2				001133	TM-SL4	3			
001080	TM-D1	2				001134	TM-SL5	3			
001081	TM-D2	2				001135	TM-SL6	3			
001082	TM-D3	2				001136	TM-SL7	1			
001083	TM-D4	2				001137	TM-TX	2			
001084	TM-D5	2				001138	TR-A	2			
001085	TM-D6	2				001139	TR-B	2			
001086	TM-D7	2				001140	TRANSA	6			
001087	TM-D8	2				001141	TRANSB	6			
001088	TM-D9	2				001142	TRANSCM	6			
001089	TM-E	2				001143	TS-RX	2			
001090	TM-ENB	4				001144	TS-TX	2			
001091	TM-ENO	3									
001092	TM-FN1	2				001145	WRTSTR12	6			
001093	TM-EN2	2				001146	WRTSTR34	6			
001094	TM-EN3	2				001147	WRTSTR56	6			
001095	TM-EN4	2				001148	WRTSTR78	6			
001096	TM-EVENT	4									
001097	TM-F	2				001149	Y-CRTALK	9			
001098	TM-G	2									
001099	TM-IADRO	5				001150	0.0 VCU	40			
001100	TM-IADR1	3				001151	0-SYNC1	6			
001101	TM-IADR2	3				001152	0-SYNC2	6			
001102	TM-IENB	5				001153	0-SYNC3	6			
001103	TM-IRES	5				001154	0-SYNC4	6			
001104	TM-IRQ	2				001155	0-SYNC5	6			
001105	TM-IRM	5				001156	0-SYNC6	6			
001106	TM-ISL4	3				001157	0-SYNC7	6			
001107	TM-ISL5	3				001158	0-SYNC8	6			
001108	TM-KBIR	3				001159	OSTABIN	63	4		
001109	TM-L1	2									
001110	TM-L2	2									
001111	TM-L3	2									
001112	TM-L4	2									
001113	TM-L5	2									
001114	TM-NMI	1									
001115	TM-REMIR	3									
001116	TM-RES	3									
001117	TM-RESET	2									

2 Power Supply, Tape Deck

■ = Electrostatically sensitive assembly

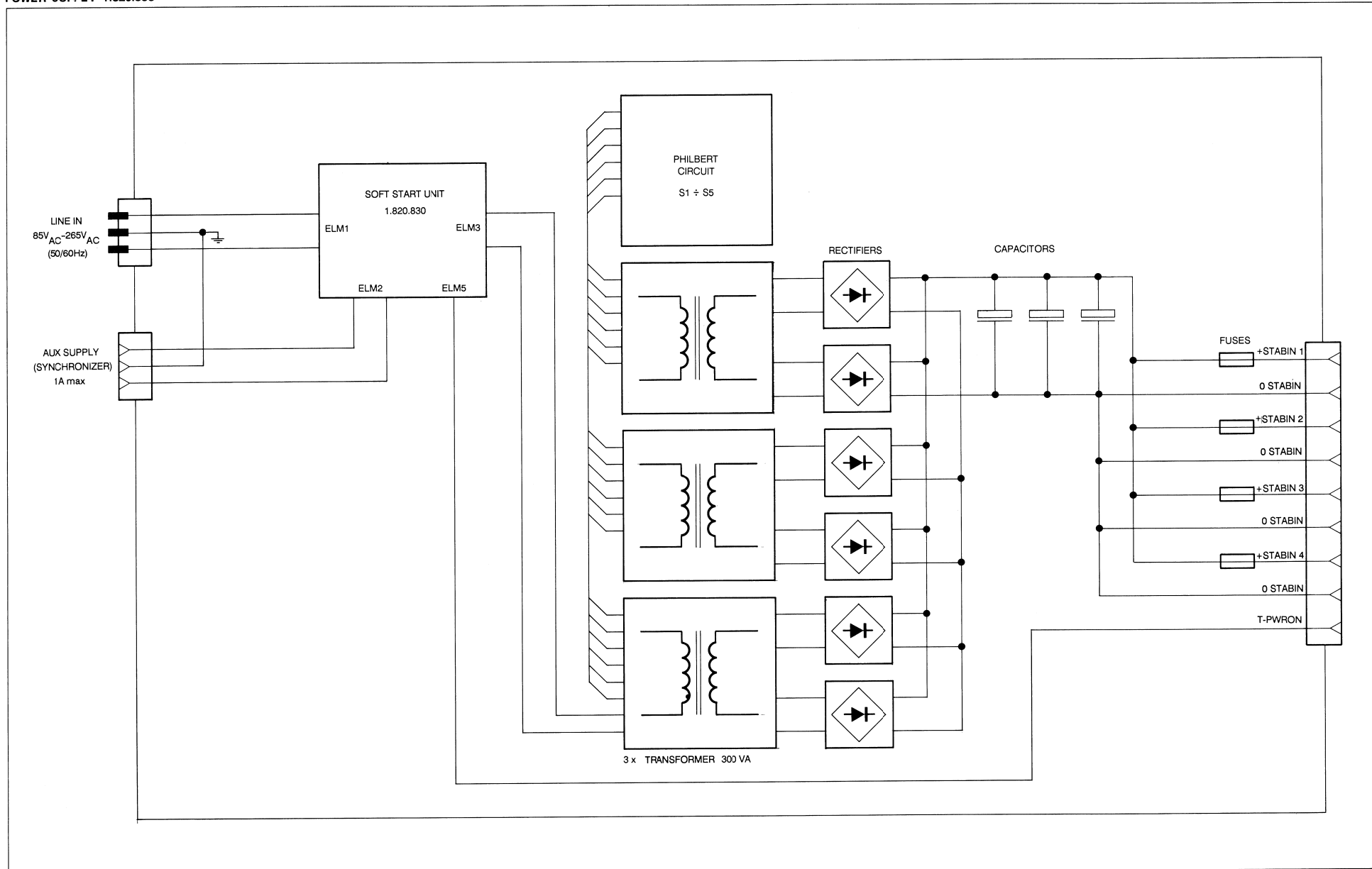
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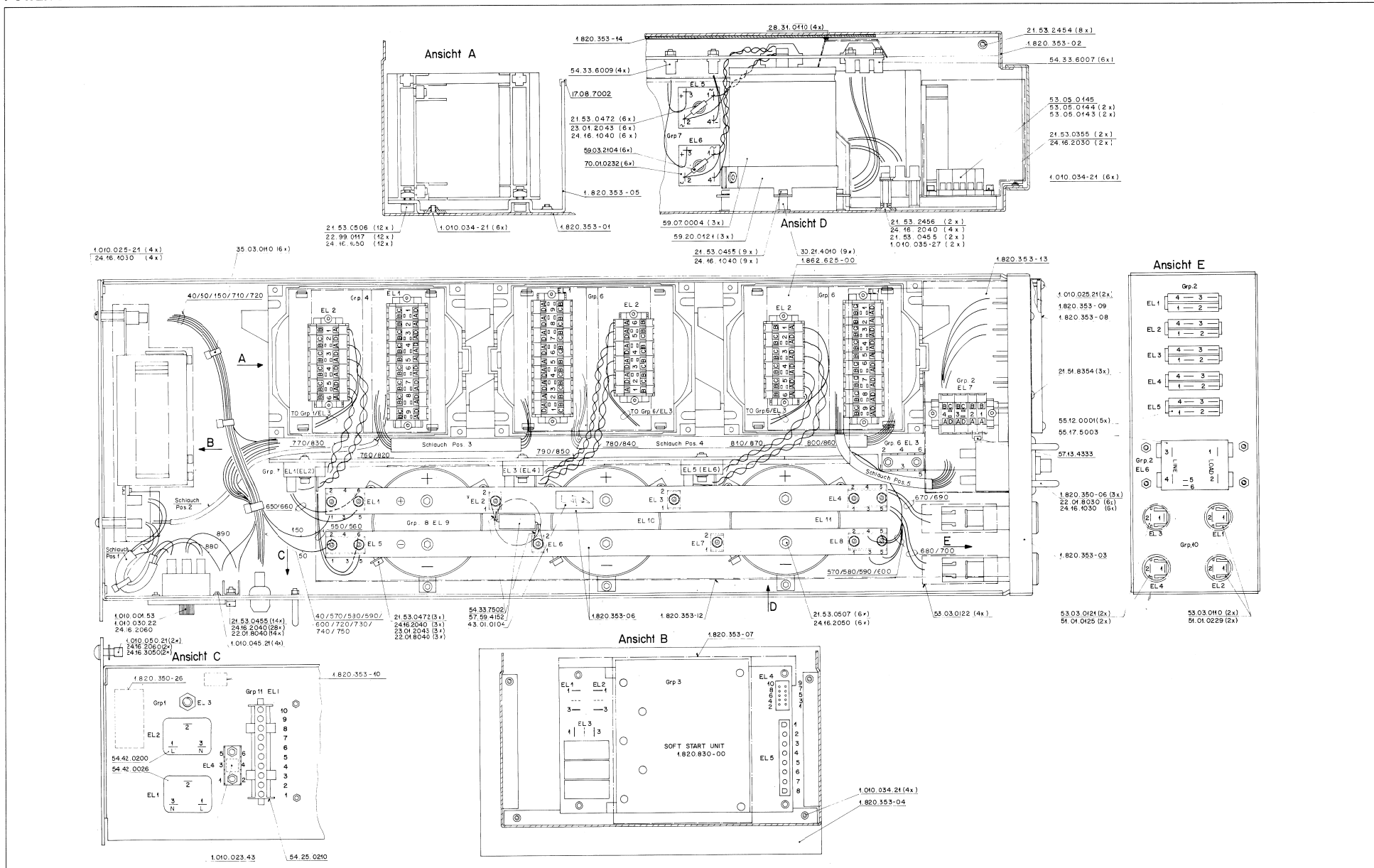
■ = Electrostatically sensitive assembly

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1.820.770.81 ■	Move Sensor	1-45	75
1.820.770.82 ■	Move Sensor		77
1.820.771.82 ■	Motor Tacho	1-36-1/1-37-1	79
1.820.771.83 ■	Motor Tacho		81
1.820.772.81	Tape Tension Sensor PCB	1-43	95
1.820.773.82/83	Tape Lifter Control	1-46	67
1.820.773.82	Tape Lifter Control		68
1.820.773.83	Tape Lifter Control		69
1.820.774.24 ■	Capstan Motor Drive Amplifier PCB	1-39	121
1.820.774.25 ■	Three Phase Tristate Driver Amplifier		123
1.820.781.29 ■	MP Unit Tape Deck Control MCH	20-46	47
1.820.793.81	Opto Sensor	1-44	61
1.820.793.82 ■	Opto Sensor		63
1.820.822.81 ■	Spooling Motor Control	1-20-45	93
1.820.823.00 ■	Tape Deck Counter/Timer	1-20-44	71
1.820.830.00 ■	Main Soft Start PCB	7-3	11
1.820.830.81 ■	Main Soft Start PCB		13
1.820.830.82 ■	Main Soft Start PCB		15
1.820.830.83 ■	Main Soft Start PCB		17
1.820.831.00 ■	Pinch Roller Gate	1-60	85
1.820.831.81 ■	Pinch Roller Gate		87
1.820.866.00 ■	Fuse Supply Failure Detector	1-59	43
1.820.869.00	Power Fail Sense Board	1-29	103
1.820.869.81	Power Fail Sense Board		105
1.820.872.82 ■	Stabilizer Aux, Voltages	1-32	21
1.820.872.83 ■	Stabilizer Aux, Voltages		25
1.820.873.00 ■	Stabilizer ±15V, +24V	1-31	31
1.820.873.81 ■	Stabilizer ±15V, +24V		35
1.820.873.82 ■	Stabilizer ±15V, +24V		37
1.820.875.82 ■	Spooling Motor Driver Amplifier	1-33	109
1.827.865.00	Distribution Board TD MCH	1-35	39
1.862.625.00	Mains Transformer	7-4/5/6	7

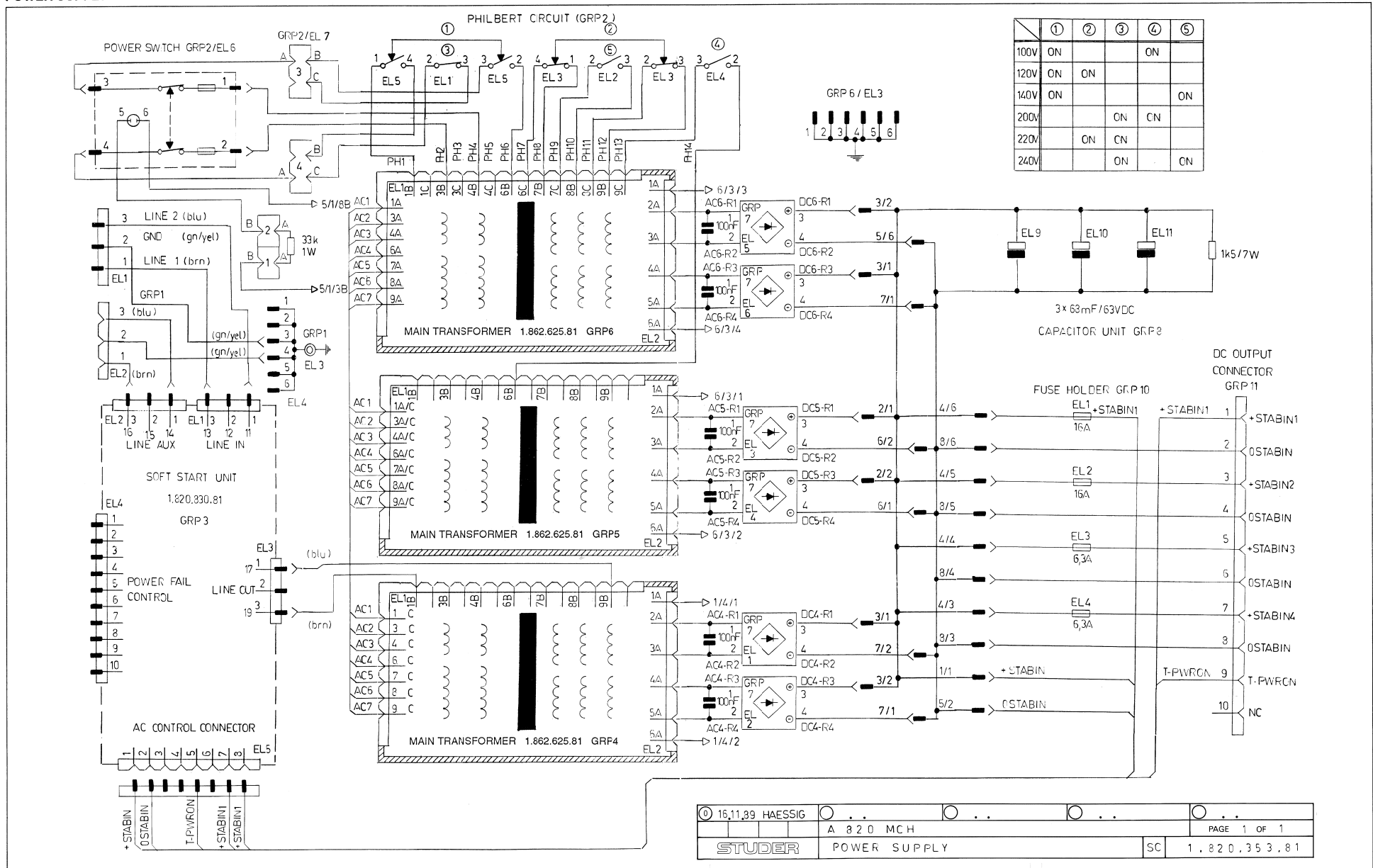
BLOCK DIAGRAM
POWER SUPPLY 1.820.353



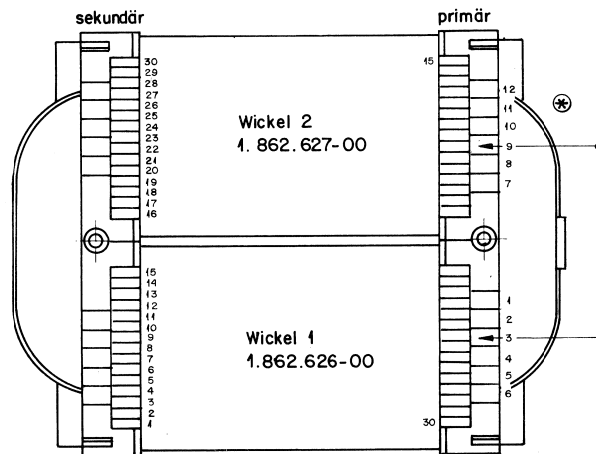
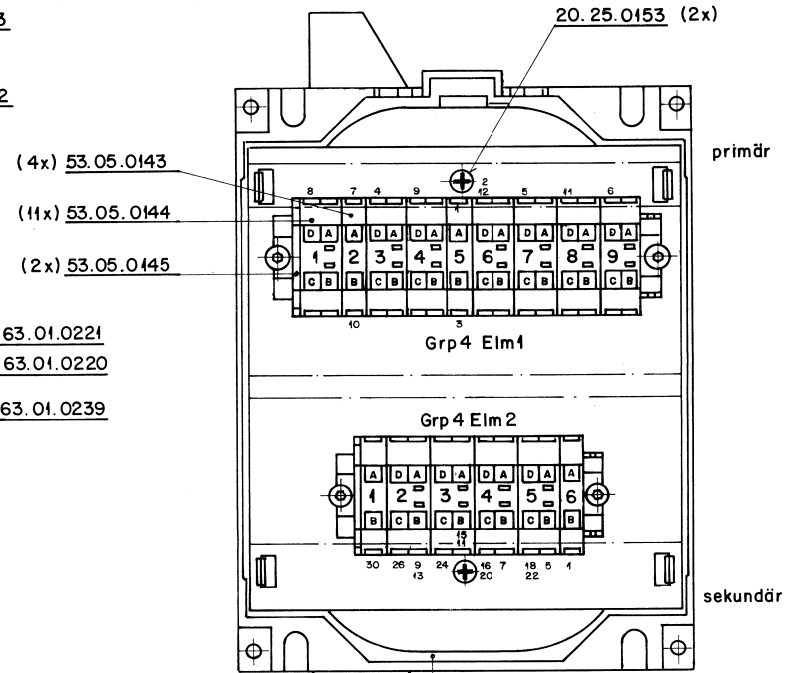
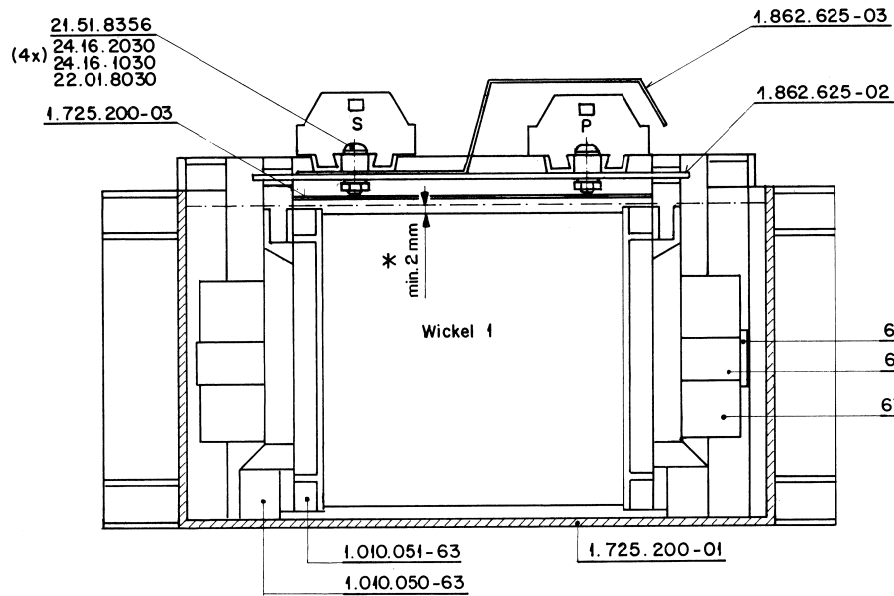
POWER SUPPLY 1.820.353.00



POWER SUPPLY 1.820.353.81



MAINS TRANSFORMER 1.862.625.00

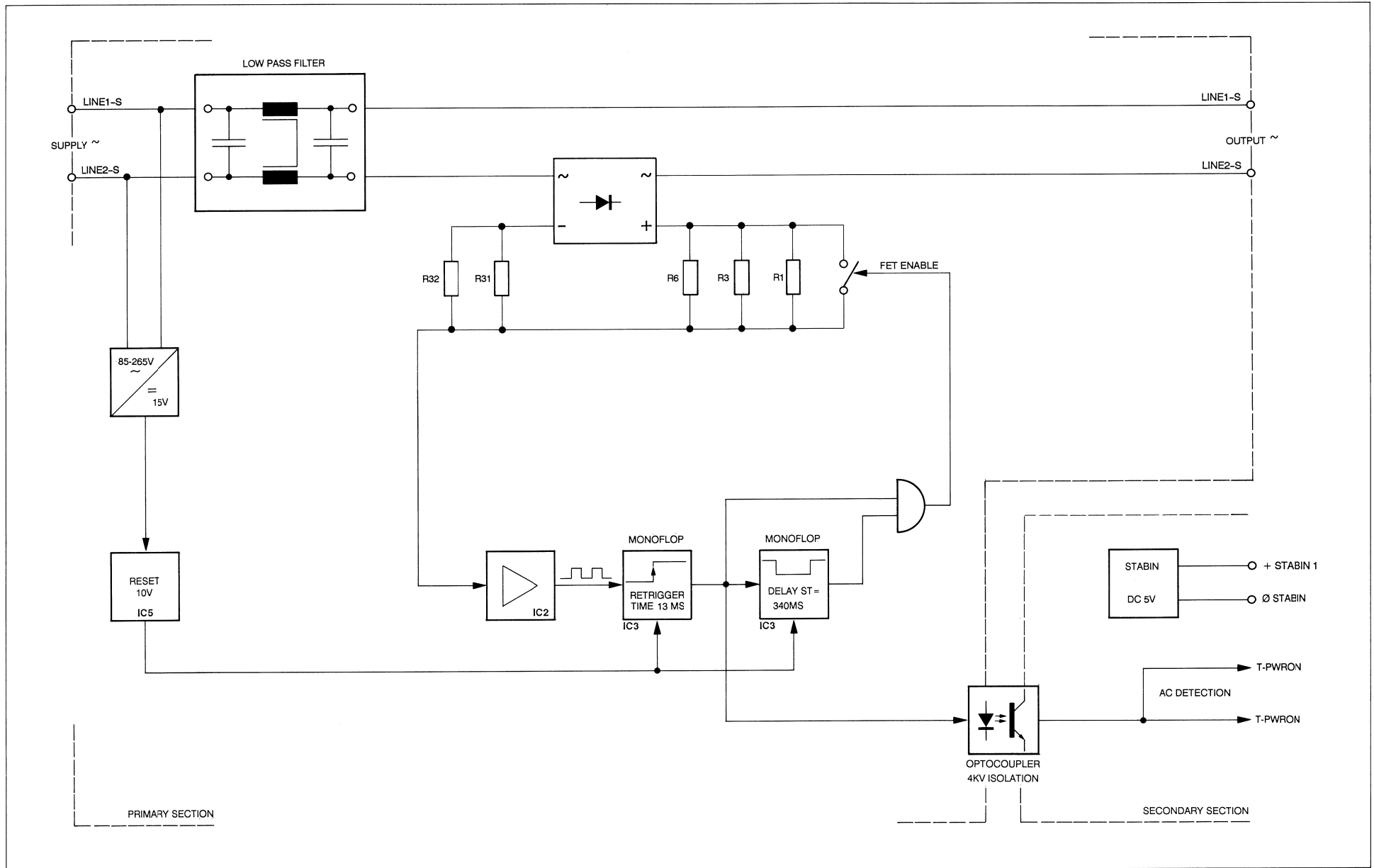


Thermoschalter
55.99.0152
stirnseitig auf
Wicklung aufliegend montiert und
mit Loctite 460 gesichert.

* 99.01.0183 Giessharz
99.01.0184 Härter
im Ofen bei 60° ausgehärtet.

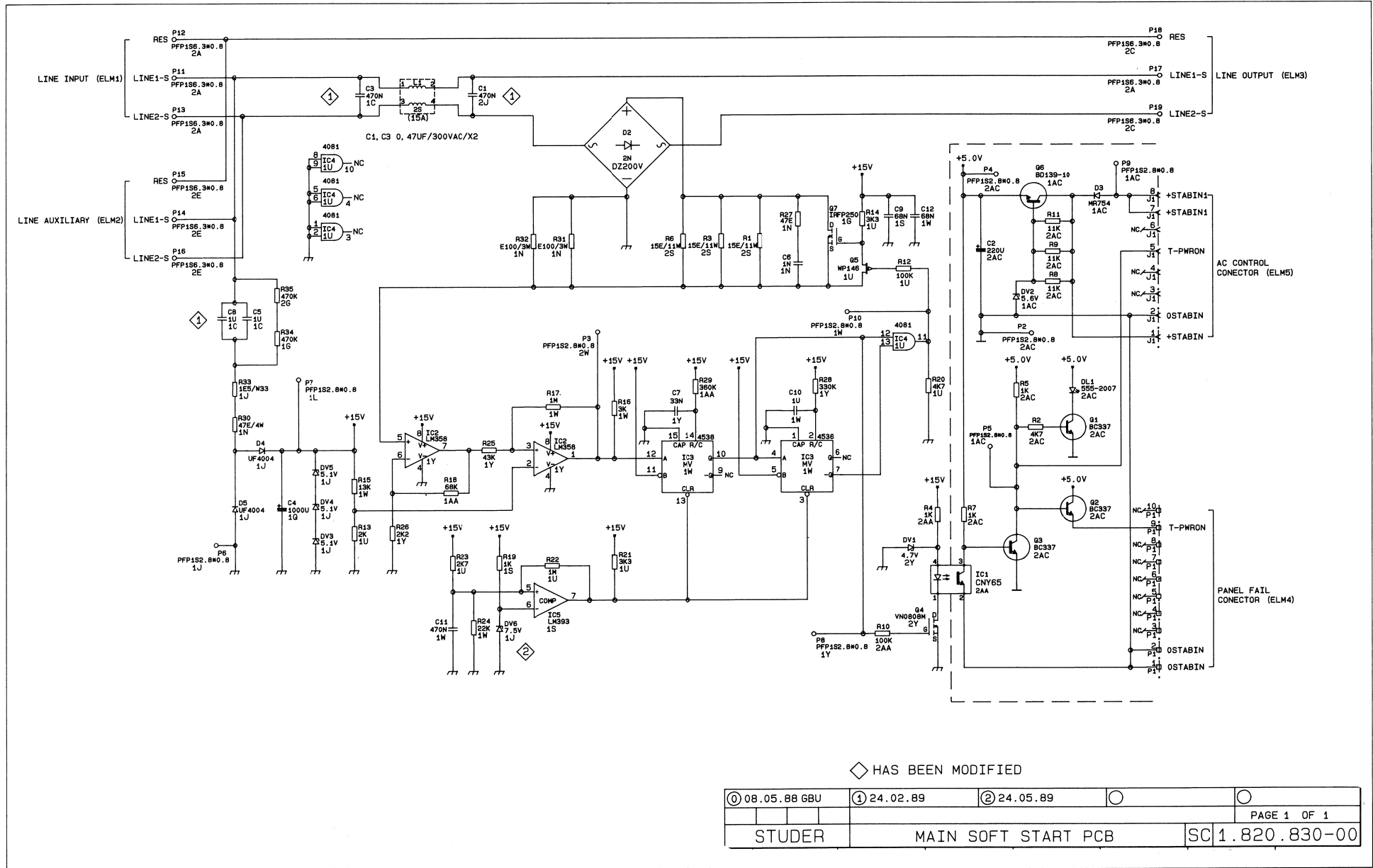
- Kern vor dem verkleben kreuzweise abziehen. Band Korngröße 150. Geklebt mit Araldit AW134.
- Wickeldrahtabschneidelänge = 60 mm ⊕ (Primär 11/12 = 75 mm)
- Wicklungsenden mit Isolierschlauch 65.03.0442 versehen.

BLOCK DIAGRAM
MAIN SOFT START BOARD 1.820.830





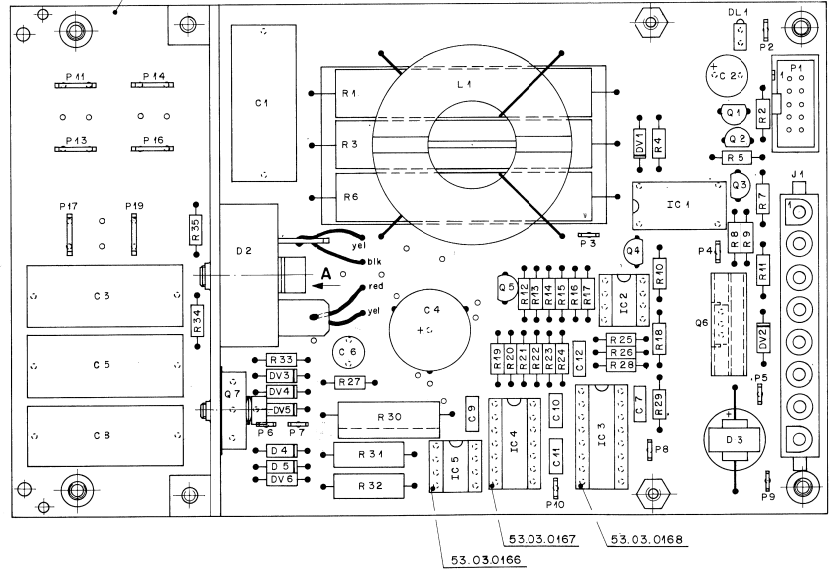
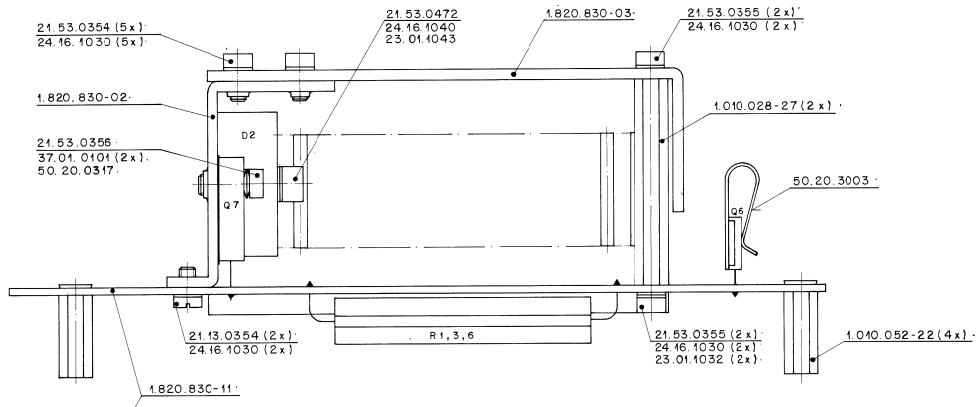
MAIN SOFT START PCB 1.820.830.00



◇ HAS BEEN MODIFIED

① 08.05.88 GBU	④ 24.02.89	② 24.05.89	○	○
STUDER		MAIN SOFT START PCB		SC 1.820.830-00

MAIN SOFT START PCB 1.820.830.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
J	.....	54.25.0008	8 Cont.	AMP nr. 826851 - 3	
L	.....	62.03.0115		COMMON MODE 15A	
P	....1	54.14.2001	10 cont.	see Note 1	
P	....2	54.02.0335	Platpin	Goetze & Hart nr. 12523 123 014	
P	....3	54.02.0335	not used		
P	....4	54.02.0335	Platpin	Goetze & Hart nr. 12523 123 014	
P	....5	54.02.0335	not used		
P	....6	54.02.0335	Platpin	Goetze & Hart nr. 12523 123 014	
P	....7	54.02.0335	not used		
P	....8	54.02.0335	Platpin	Goetze & Hart nr. 12523 123 014	
P	....9	54.02.0335	not used		
P	....10	54.02.0335	Platpin	Goetze & Hart nr. 12523 123 014	
P	....11	54.02.0335	not used		
P	....12	54.02.0335	Platpin	Goetze & Hart nr. 12523 123 014	
P	....13	54.02.0335	not used		
P	....14	54.02.0335	Platpin	Goetze & Hart nr. 12523 123 014	
P	....15	50.03.0516	BC 337 E		Sia
P	....16	50.03.0516	BC 337 E		Sia
P	....17	50.03.0516	BC 337 E		Sia
P	....18	50.03.1805	VW 0808M	ZVNO100	7w/Six
P	....19	50.03.0929	MF 146		Tha/Mot,Ph,SGS,Te,To
P	....20	50.03.0451	BD 139		IR
P	....21	50.01.1912	IRFP 250		
R	....1	57.57.5150	15 Ohm	10%, 11W	
R	....2	57.11.3472	4,7 kOhm	10%	
R	....3	57.57.5150	15 Ohm	10%, 11W	
R	....4	57.11.3102	1 kOhm	10%	
R	....5	57.11.3102	1 kOhm	10%	
R	....6	57.11.3102	1 kOhm	10%	
R	....7	57.57.5150	15 Ohm	10%, 11W	
R	....8	57.11.3113	1 kOhm	2%	
R	....9	57.11.3113	1 kOhm	2%	
R	....10	57.11.3113	1 kOhm	2%	
R	....11	57.11.3113	1 kOhm	2%	
R	....12	57.11.3113	1 kOhm	2%	
R	....13	57.11.3202	2 kOhm	2%	
R	....14	57.11.3352	3,3 kOhm	2%	

STUDER (02) 89/05/24 BD MAIN SOFT START BOARD PL 1.820.830.00 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R	....15	57.11.3133	13 kOhm	2%	
R	....16	57.11.3302	3 kOhm	2%	
R	....17	57.11.3102	1 kOhm	2%	
R	....18	57.11.3683	68 kOhm	2%	
R	....19	57.11.3102	1 kOhm	2%	
R	....20	57.11.3472	4,7 kOhm	10%	
R	....21	57.11.3352	3,3 kOhm	10%	
R	....22	57.11.3105	1 kOhm	2%	
R	....23	57.11.3105	1 kOhm	2%	
R	....24	57.11.3223	22 kOhm	2%	
R	....25	57.11.3472	4,7 kOhm	2%	
R	....26	57.11.3222	2,2 kOhm	2%	
R	....27	57.11.3470	47 Ohm	2%	
R	....28	57.11.3334	330 kOhm	1%	
R	....29	57.11.3264	360 kOhm	1%	
R	....30	57.56.5470	47 Ohm	10%, 4W	
R	....31	57.56.2100	0,1 Ohm	3%, 3W	
R	....32	57.56.2100	0,1 Ohm	3%, 3W	
R	....33	57.56.2100	1,5 Ohm	3%, 3W	Power Resistor
R	....34	57.11.3474	470 kOhm	10%	
R	....35	57.11.3474	470 kOhm	10%	
TP	....2	54.02.0320	Testpoint		
TP	....3	54.02.0320	Testpoint		
TP	....4	54.02.0320	Testpoint		
TP	....5	54.02.0320	Testpoint		
TP	....6	54.02.0320	Testpoint		
TP	....7	54.02.0320	Testpoint		
TP	....8	54.02.0320	Testpoint		
TP	....9	54.02.0320	Testpoint		
TP	....10	54.02.0320	Testpoint		

STUDER (02) 89/05/24 BD MAIN SOFT START BOARD PL 1.820.830.00 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(01)	C.....1	59.31.8105	1 uF	10%, 400V, MEPT	
(01)	C.....1	59.14.3474	470 nF	20%, 300V, X2	
(01)	C.....2	59.22.2021	220 nF	20%, 10V, E1	
(00)	C.....3	59.31.8105	1 uF	10%, 400V, MEPT	
(01)	C.....3	59.14.3474	470 nF	20%, 300V, X2	
(00)	C.....4	59.22.4102	1000 uF	20%, 40V, E1	
(01)	C.....5	59.31.8105	1 uF	10%, 400V, MEPT	
(01)	C.....5	59.02.4105	1 uF	10%, 400V, MFC	
(00)	C.....6	59.06.2383	33 nF	5%, 63V, PETP	
(01)	C.....6	59.31.8105	1 uF	10%, 400V, MEPT	
(01)	C.....8	59.02.4105	1 uF	5%, 400V, MFC	
(01)	C.....9	59.06.4674	470 nF	5%, 63V, PETP	
(01)	C.....10	59.06.5105	1 uF	5%, 50V, PETP	
(01)	C.....11	59.06.5474	470 nF	5%, 63V, PETP	
(01)	C.....12	59.06.0653	68 nF	10%, 63V, PETP	
DL	.....1	50.04.2177	555-2007	LED-red-dif	Di
D	....2	70.01.0232	KBP3502	1503-20 200 V / 35 A	IR,Sybal
J	....3	50.04.0518	NR 754	Mo4	Mo4
D	....4	50.04.0138	UF 4004	BV71-400,UE21106	SGS,TheG1/Un
D	....5	50.04.0138	UF 4004	BV71-400,UE21106	SGS,TheG1/Un
BV	....1	50.04.1123	4,7 V Z	BZ55-C477	ITT,Mot,Ph,Te,SGS,Tho
BV	....2	50.04.1138	5,6 V Z	BZ55-C576	ITT,Mot,Ph,Te,SGS,Tho
BV	....3	50.04.1279	5,1 V Z	BZ55-C511	ITT,Mot,Ph,Te,SGS,Tho
BV	....4	50.04.1259	5,1 V Z	BZ55-C511	ITT,Mot,Ph,Te,SGS,Tho
BV	....5	50.04.1259	5,1 V Z	BZ55-C511	ITT,Mot,Ph,Te,SGS,Tho
BV	....6	50.04.1114	10 V Z	BZ55-C10	ITT,Mot,Ph,Te,SGS,Tho
BV	....6	50.04.1133	7,5 V Z	BZ55-C175	ITT,Mot,Ph,Te,SGS,Tho
IC	....1	50.04.0168	CM765	LK 358P	TE
IC	....2	50.05.5285	LK 358N	LM 358P	Met,RS,SGS
IC	....3	50.07.1590	MC4020	IC4020B	Met,RS,Ph
IC	....4	50.07.0201	MC4010B	IC4010B	Met,RS,Ph,Te,SGS,Tho,To
IC	....5	50.05.0233	LK 393P	LM393N	TI,RS,Te

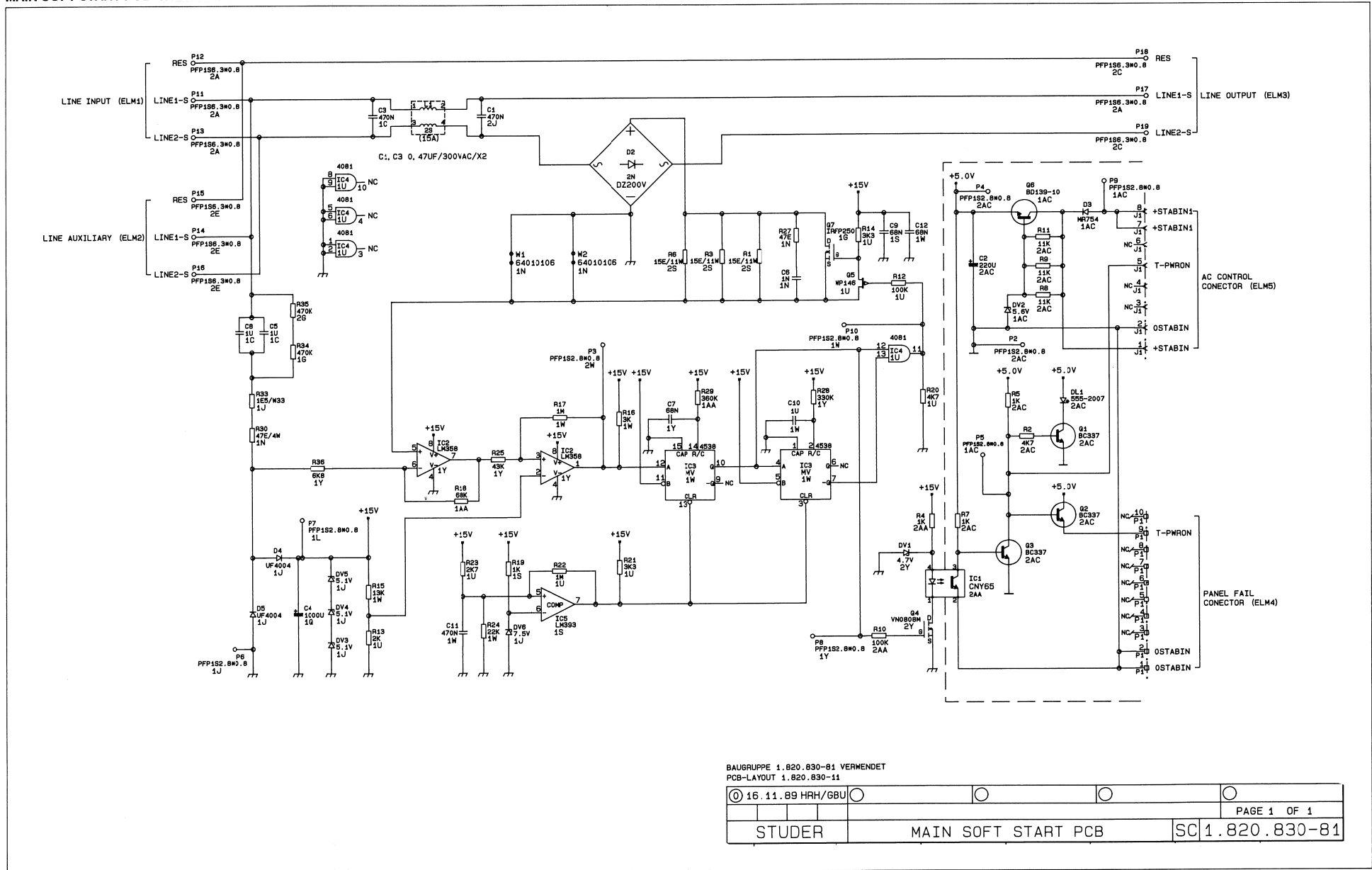
STUDER (02) 89/05/24 BD MAIN SOFT START BOARD PL 1.820.830.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(01)	24.02.09		Capacitors of noise suppression filter according to IEC 60384-21		
(02)	24.05.89		Reliability of soft start under lowest main voltage. (100V-10%)		
<p>Note 1 - Connector I/O contacts: case Studer nr. 54.14.2001 Yamaichi nr. F2P-10-00-0088 Burydy nr. BR 9 310 800 85 3M nr. 7610-6002 VZ Panduit nr. OST-010-112</p>					
<p>MEPT = Metall Polyesterfilm; PETP = Polyesterfilm; EI = Electrolytic; PP = Polypropylen; MFC=Metallized Polycarbonat.</p>					
<p>MANUFACTURER: Di=Diodes, Fe=Ferranti, Gi=General Instruments, HI=Hitachi, I=International Rectifier, ITT=Intermetall, Mot=Motorola, NS=National Semiconductor, Ph=Philips, RCA=Radio Corporation of America, SGS=Siemens, Si=Siliconix, Te=Telefunken, Tho=Thomson, TI=Texas Instruments, To=Tohiba, Un=Unitec.</p>					
DRS	89/02/03	(01)	89/02/24	(02)	89/05/24

STUDER (02) 89/05/24 BD MAIN SOFT START BOARD PL 1.820.830.00 PAGE 4



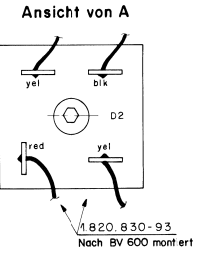
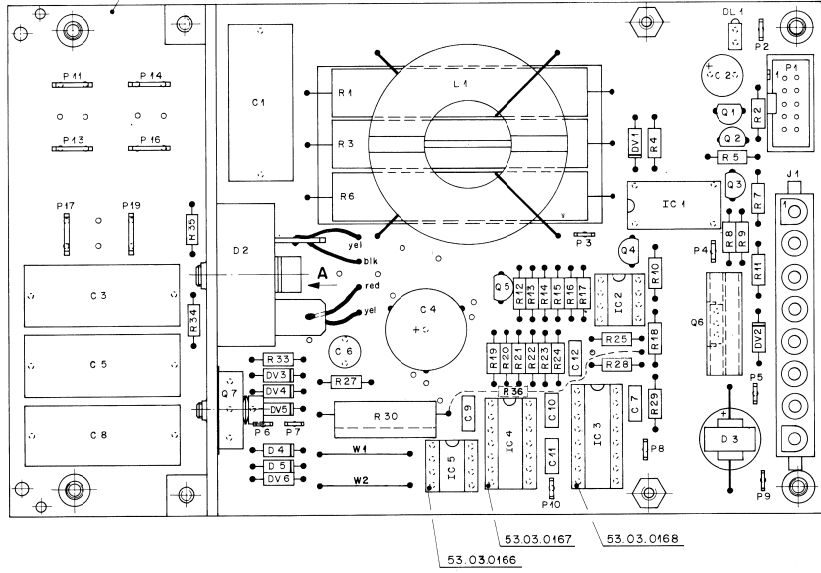
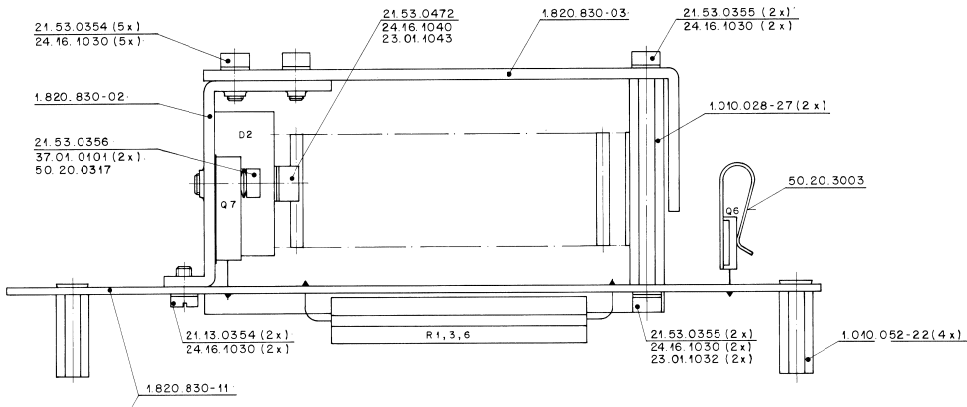
MAIN SOFT START PCB 1.820.830.81



BAUGRUPPE 1.820.830-81 VERWENDET
PCB-LAYOUT 1.820.830-11

① 16.11.89 HRH/GBU				
STUDER			MAIN SOFT START PCB	
			SC 1.820.830-81	

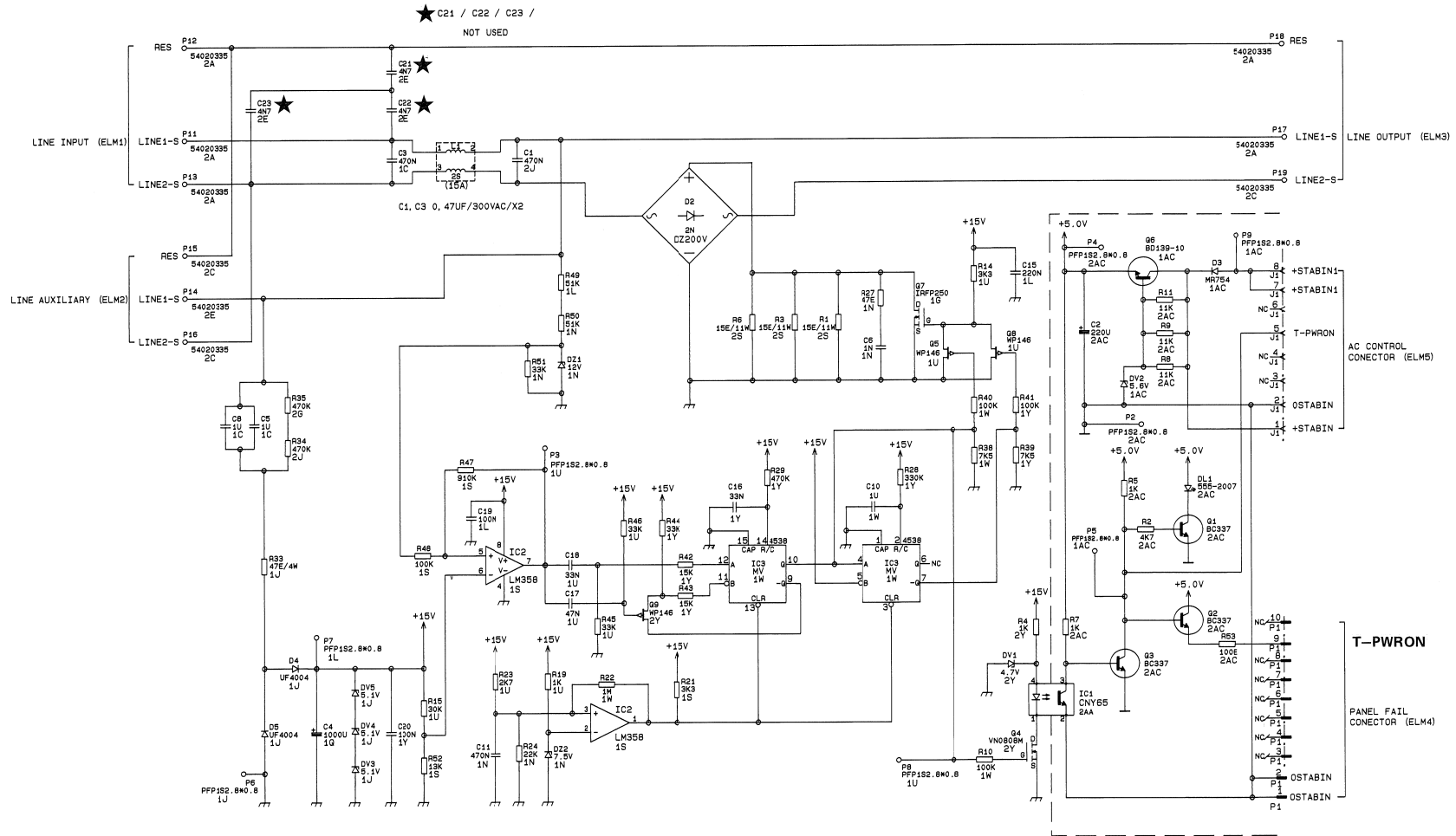
MAIN SOFT START PCB 1.820.830.81



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MARUF.
J.....1	54.25.0008	B Cost.		AMP nr. 806891 - 3	
J.....1	62.03.0115			COMMON MODE 15A	
P.....1	54.14.2001			50 cont.	*** note
P.....11	54.02.0335			Platin	Greth & Hart nr. 12523 123 014
P.....12				not used	
P.....13	54.02.0335			Platin	Greth & Hart nr. 12523 123 014
P.....14	54.02.0335			Platin	Greth & Hart nr. 12523 123 014
P.....15	54.02.0335			Platin	Greth & Hart nr. 12523 123 014
P.....16	54.02.0335			Platin	Greth & Hart nr. 12523 123 014
P.....17	54.02.0335			Platin	Greth & Hart nr. 12523 123 014
P.....18	54.02.0335			Platin	Greth & Hart nr. 12523 123 014
P.....19	54.02.0335			Platin	Greth & Hart nr. 12523 123 014
Q.....1	50.03.0516			BC 337 E	Si*
Q.....2	50.03.0516			BC 337 E	Si*
Q.....3	50.03.0516			BC 337 E	Si*
Q.....4	50.03.1505			VP 0800H	Fo/Si*
Q.....5	50.03.0929			MP 146	Si*
Q.....6	50.03.0481			BP 139	Tho/Mot,Ph,SSS,Te,Ta
Q.....7	50.03.1612			HPF 250	Si*
R.....1	57.57.5150			15 Ohm	10%, 11W
R.....2	57.11.3472			4.7 kOhm	10%
R.....3	57.57.5150			15 Ohm	10%, 11W
R.....4	57.11.3102			1 kOhm	10%
R.....5	57.11.3102			1 kOhm	10%
R.....6	57.57.5150			15 Ohm	10%, 11W</

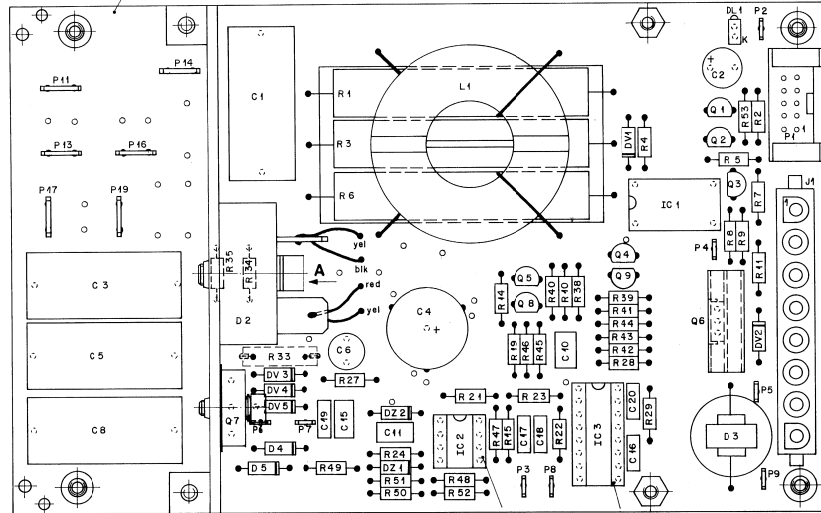
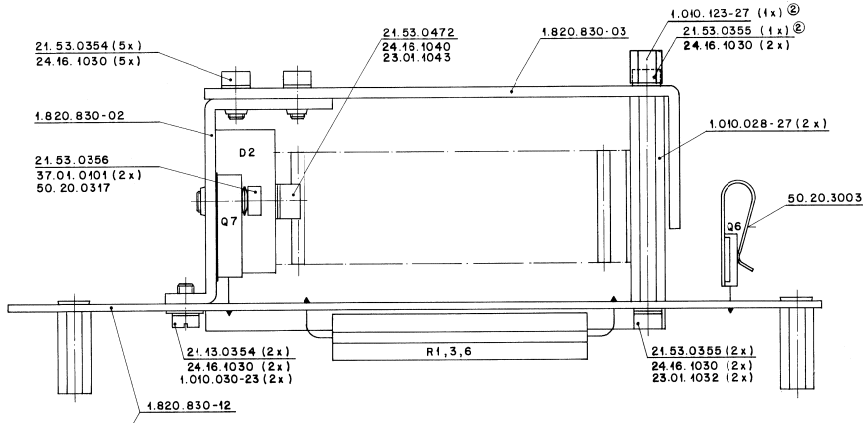


MAIN SOFT START PCB 1.820.830.82



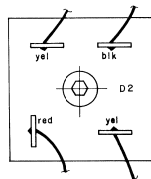
09.05.90 ZW/GBU	14.12.90 MOT			
				PAGE 1 OF 1
STUDER		MAIN SOFT START PCB		SC 1.820.830-82

MAIN SOFT START PCB 1.820.830.82



① R 33 von Lötseite bestückt und mit 65.99.0111 (2 Stück 3 (10mm) isoliert.
 ① Q 9

Ansicht von A

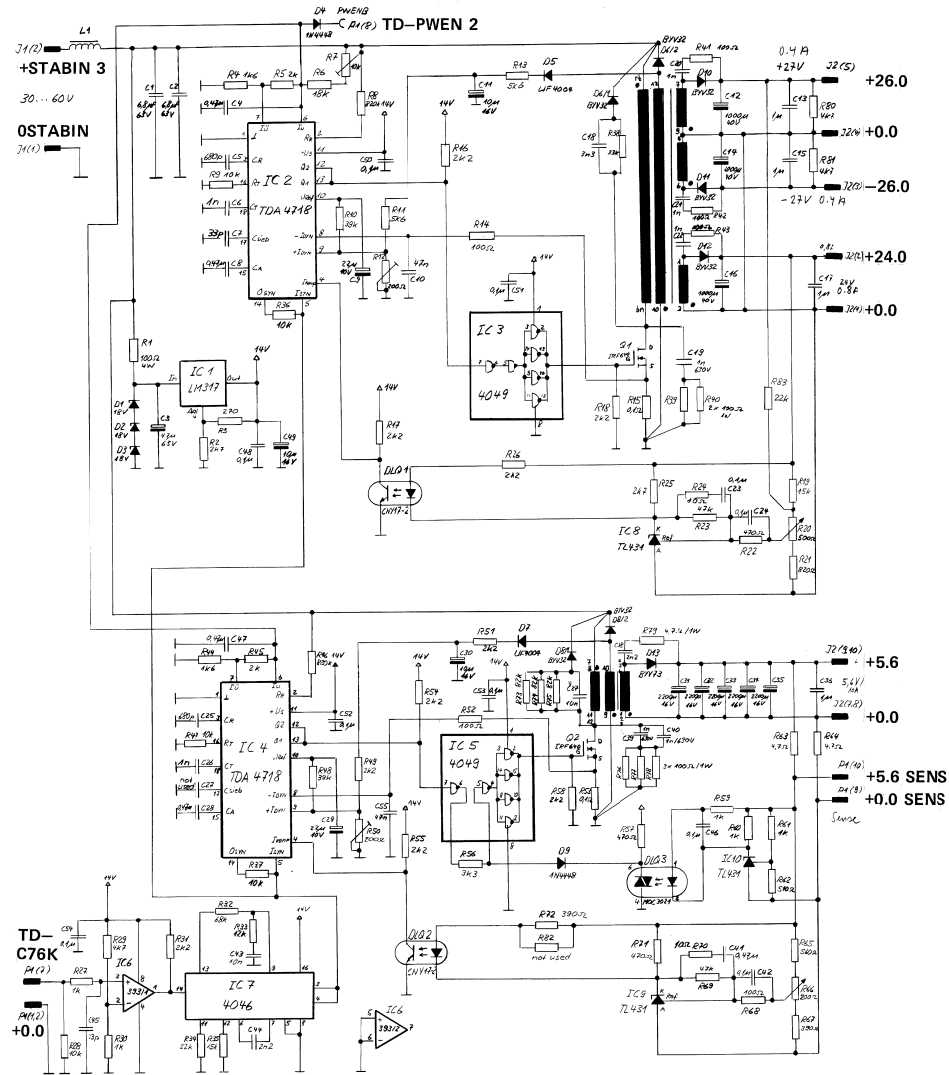


Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C...	1	59.14.3474	470 nF	300V, 20%
C...	2	59.22.3221	220 uF	470 nF
C...	3	59.14.3474	470 nF	300V, 20%
C...	4	59.22.6102	1000 uF	400V, 20%
C...	5	59.02.6105	1 uF	400V, 5%
C...	6	59.05.2102	1 nF	630V, 2.5%
C...	8	59.02.6105	1 uF	400V, 5%
C...	10	59.06.5105	1 uF	50V, 5%
C...	11	59.06.5474	470 nF	63V, 5%
C...	15	59.06.0224	220 nF	63V, 10%
C...	16	59.06.5333	33 nF	63V, 5%
C...	17	59.06.0473	47 nF	63V, 10%
C...	18	59.06.5333	33 nF	63V, 10%
C...	19	59.06.0104	100 nF	63V, 10%
C...	20	59.06.0104	100 nF	63V, 10%
C...	21	0	not used	
C...	22	0	not used	
C...	24	0	not used	
D...	2	70.01.0232	K8PC3502	35A, 100V
D...	3	50.04.0518	MR754	194.05
D...	4	50.04.0138	UF4004	8041
D...	5	50.04.0138	UF4004	8041
D...	1	50.04.2107	555-2007	red, dif
DV...	1	50.04.1123	Z 4.7V	5%, 0.5W, D035
DV...	2	50.04.1108	Z 5.6V	5%, 0.5W, D035
DV...	3	50.04.1209	Z 5.1V	5%, 1.3W, D041
DV...	4	50.04.1209	Z 5.1V	5%, 1.3W, D041
DV...	5	50.04.1209	Z 5.1V	5%, 1.3W, D041
DZ...	1	50.04.1117	Z 12V	5%, 0.5W, D035
DZ...	2	50.04.1103	Z 7.5V	5%, 0.5W, D035
IC...	1	50.04.2148	CN765	Tf
IC...	2	50.05.0286	LM 358N	Mot, NS, SGS
IC...	3	50.07.1538	MC4538	BCP HF40708P, CD40708E
J...	1	54.25.0006	Connector	8 contacts, 12A, AMP
L...	1	62.03.0115		Common mode choke 15A
NP...	1	1.820.830.02	1.820.830.02	Minkelblech
NP...	2	1.820.830.03	1.820.830.03	Deckblech
P...	1	54.14.2101	Connector	10 contacts, ribbon-cable, latch
P...	2	54.02.0320	Connector	Flat-pin IP 2.8*0.8 straight
P...	3	54.02.0320	Connector	Flat-pin IP 2.8*0.8 straight
P...	4	54.02.0320	Connector	Flat-pin IP 2.8*0.8 straight
P...	5	54.02.0320	Connector	Flat-pin IP 2.8*0.8 straight
P...	6	54.02.0320	Connector	Flat-pin IP 2.8*0.8 straight
P...	7	54.02.0320	Connector	Flat-pin IP 2.8*0.8 straight
P...	8	54.02.0320	Connector	Flat-pin IP 2.8*0.8 straight
P...	9	54.02.0320	Connector	Flat-pin IP 2.8*0.8 straight
P...	11	54.02.0335	Connector	Flat-pin IP 6.3*0.8 straight
P...	12	0	not used	
P...	13	54.02.0335	Connector	Flat-pin IP 6.3*0.8 straight
P...	14	54.02.0335	Connector	Flat-pin IP 6.3*0.8 straight
P...	15	0	not used	
P...	16	54.02.0335	Connector	Flat-pin IP 6.3*0.8 straight
P...	17	54.02.0335	Connector	Flat-pin IP 6.3*0.8 straight
P...	18	0	not used	
P...	19	54.02.0335	Connector	Flat-pin IP 6.3*0.8 straight
PCB...	1	1.820.830.12	1.820.830.12	Empty PCB
R...	1	50.03.0340	BC337	NPN, T092-1, Sie
R...	2	50.03.0340	BC337	NPN, T092-1, Sie
R...	3	50.03.0340	BC337	NPN, T092-1, Sie
R...	4	50.03.1505	VN0808H	NFET, T0237, Fe, Six
R...	5	50.03.0329	MP146	PFET, T052-6, Six
R...	6	50.03.0329	MP146	PFET, T052-6, Six
R...	7	50.03.1612	IRFP250	NFET, T0247-1, IR
R...	8	50.03.0329	MP146	PFET, T052-6, Six
R...	9	50.03.0329	MP146	PFET, T052-6, Six
R...	1	57.57.5150	15 Ohm	11W, 10%, Sie
R...	2	57.11.3472	4.7 kOhm	Mf, 1%, Sie
R...	3	57.57.5150	15 Ohm	11W, 10%, Sie
R...	4	57.11.3102	1 kOhm	Mf, 1%, Sie
R...	5	57.11.3102	1 kOhm	Mf, 1%, Sie
R...	6	57.57.5150	15 Ohm	11W, 10%, Sie
R...	7	57.11.3102	1 kOhm	Mf, 1%, Sie
R...	8	57.11.3113	11 kOhm	Mf, 1%, Sie
R...	9	57.11.3113	11 kOhm	Mf, 1%, Sie
R...	10	57.11.3104	100 kOhm	Mf, 1%, Sie
R...	11	57.11.3113	11 kOhm	Mf, 1%, Sie
R...	14	57.11.3332	3.3 kOhm	Mf, 1%, Sie
R...	15	57.11.3333	13 kOhm	Mf, 1%, Sie
R...	15	57.11.3303	30 kOhm	Mf, 1%, Sie
R...	19	57.11.3102	1 kOhm	Mf, 1%, Sie
R...	21	57.11.3332	3.3 kOhm	Mf, 1%, Sie
R...	22	57.11.3105	1 MOhm	Mf, 1%, Sie
R...	23	57.11.3272	2.7 kOhm	Mf, 1%, Sie
R...	24	57.11.3223	22 kOhm	Mf, 1%, Sie
R...	27	57.11.3470	47 Ohm	Mf, 1%, Sie
R...	28	57.11.3334	330 kOhm	Mf, 1%, Sie
R...	29	57.11.3394	390 kOhm	Mf, 1%, Sie
R...	29	57.11.3474	470 kOhm	Mf, 1%, Sie
R...	33	57.19.0129	1.5 Ohm	5%, FUSIBLE RESISTOR

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
O1	R...	33	57.56.5470	47 Ohm 4W, 5%
R...	34	57.11.3474	470 kOhm Mf, 1%	
R...	35	57.11.3474	470 kOhm Mf, 1%	
R...	38	57.11.3752	7.5 kOhm Mf, 1%	
R...	39	57.11.3752	7.5 kOhm Mf, 1%	
R...	40	57.11.3104	100 kOhm Mf, 1%	
R...	41	57.11.3104	100 kOhm Mf, 1%	
R...	42	57.11.3153	15 kOhm Mf, 1%	
R...	43	57.11.3153	15 kOhm Mf, 1%	
R...	44	57.11.3333	33 kOhm Mf, 1%	
R...	45	57.11.3333	33 kOhm Mf, 1%	
R...	46	57.11.3333	33 kOhm Mf, 1%	
R...	47	57.11.3474	470 kOhm Mf, 1%	
O1	R...	47	57.11.3914	910 kOhm Mf, 1%
R...	48	57.11.3104	100 kOhm Mf, 1%	
R...	49	57.11.3513	51 kOhm Mf, 1%	
R...	50	57.11.3513	51 kOhm Mf, 1%	
R...	51	57.11.3333	33 kOhm Mf, 1%	
R...	52	57.11.3133	13 kOhm Mf, 1%	
R...	53	57.11.3101	100 Ohm Mf, 1%	
XIC...	1	53.03.0166	DIL 8-POL	
XIC...	2	53.03.0168	DIL 16-POL	
(01) 14.12.90 Tolerance adjustment at 90 V.				
Note 1 - Connector, 10 contacts: case: Studer nr. 54.14.2001 Yamaichi nr. FAP-10-08-405S Burnly nr. 5PH 9 810 800 GS 3M nr. 7610-6002 VZ Panduit nr. 067.010.113				
HPETP = Metall Polyesterfilm, PETP = Polyesterfilm, EI = Electrolytic, PP = Polypropylen, MPC=Metallized Polycarbonat.				
MANUFACTURER: Bi=Diaco, Fe=Ferranti, Gi=General Instruments, I=International Rectifier, IIT=Intermetall, Mot=Motorola, NS=National Semiconductors, Ph=Philips, RCA=Radio Corporation of America, SGS=SGS/Ates, Si=Siemens, Six=Sixtlon, Tf=Telefunken, Tho=Thomson, TI=Texas Instruments, To=Toshiba, Un=Unitec.				
			1.820.830-82 MAIN SOFT START PCB	HRH90/05/0700
			1.820.830-82 MAIN SOFT START PCB	HRH90/12/1401
			END	



STABILIZER AUX. VOLTAGES 1.820.872.82

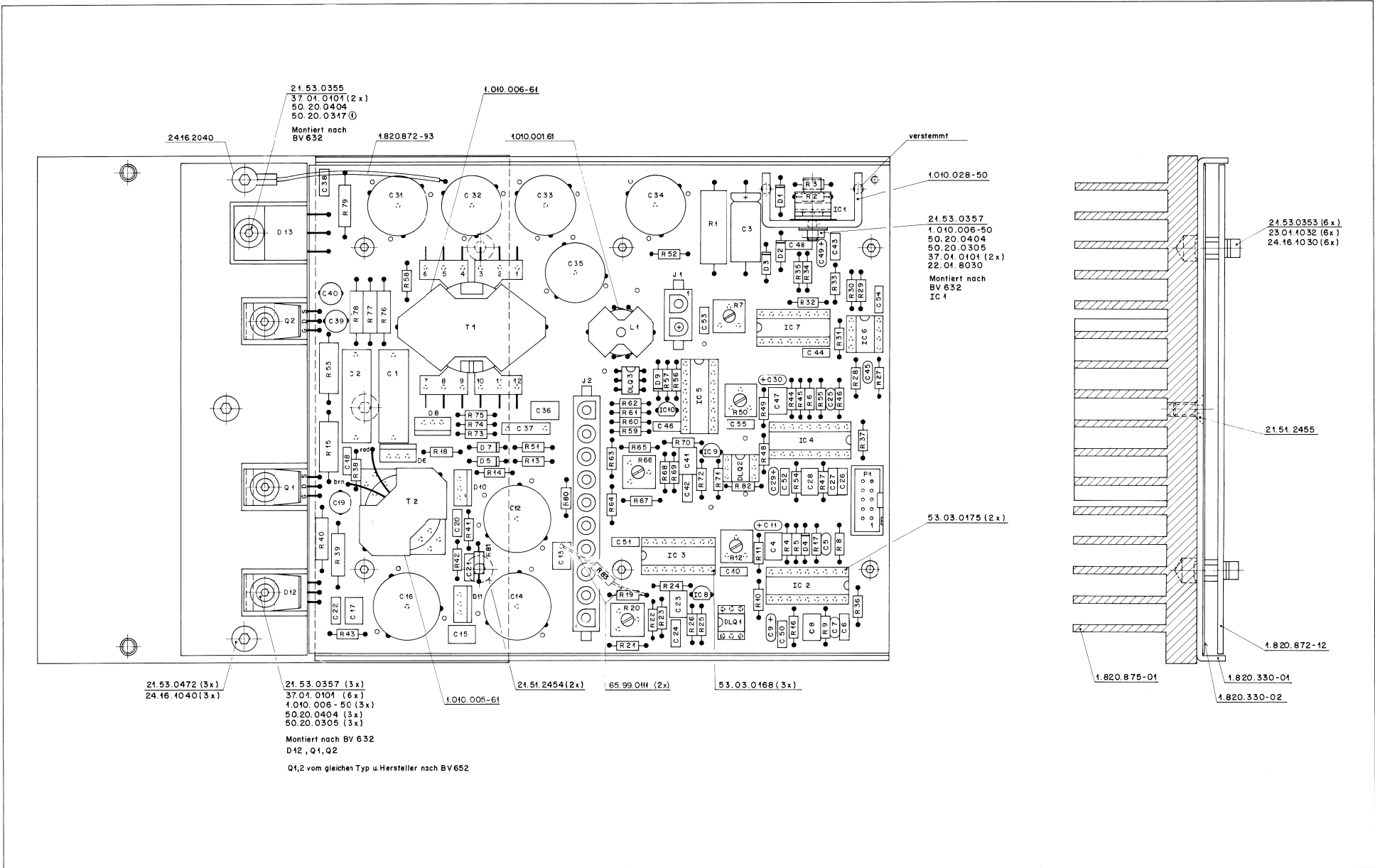


R7 INPUT VOLTAGE RANGE ADJUST
 R12 CURRENT LIMIT ADJUST
 R20 +24V ADJUST
 R50 CURRENT LIMIT ADJUST
 R66 +5.6V ADJUST

10,02,88	Th. Landolt								
PAGE 1 OF 1									
STUDER		STABILIZER AUX. VOLTAGES				1.820.872.82			



STABILIZER AUX, VOLTAGES 1.820.872.82



STABILIZER AUX, VOLTAGES 1.820.872.82

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1	59.02.0685	6.8 uF	5%	63V, MPC		R....16	57.11.3222	2.2 kOhm	2K		
C....2	59.02.0685	6.8 uF	5%	63V, MPC		R....17	57.11.3222	2.2 kOhm	2K		
C....3	59.25.6470	47 uF	20%	63V, E1		R....18	57.11.3222	2.2 kOhm	2K		
C....4	59.06.0474	470 nF	10%	63V, PETF		R....19	57.11.3153	15 kOhm	2K		
C....5	59.32.1330	33 pF	10%	400V, KER		R....20	58.01.8501	500 Ohm	see note 2		
C....6	59.06.0102	1 nF	10%	63V, PETF		R....21	57.11.3821	820 Ohm	2K		
C....7	59.32.1330	33 pF	10%	400V, KER		R....22	57.11.3473	470 Ohm	2K		
C....8	59.06.0474	470 nF	10%	63V, PETF		R....23	57.11.3473	47 kOhm	2K		
C....9	59.26.1220	22 uF	20%	10V, Sal		R....24	57.11.3101	100 Ohm	2K		
C....10	59.06.0473	47 nF	10%	63V, PETF		R....25	57.11.3272	2.7 kOhm	2K		
C....11	59.26.2100	10 uF	20%	16V, Sal		R....26	57.11.3222	2.2 kOhm	2K		
C....12	59.28.4102	1000 uF	20%	40V, E1		R....27	57.11.3102	1 kOhm	2K		
C....13	59.06.0105	1 uF	10%	50V, PETF		R....28	57.11.3103	10 kOhm	2K		
C....14	59.28.4102	1000 uF	20%	40V, E1		R....29	57.11.3472	4.7 kOhm	2K		
C....15	59.06.0102	1 nF	10%	63V, PETF		R....30	57.11.3103	10 kOhm	2K		
C....16	59.28.4102	1000 uF	20%	40V, E1		R....31	57.11.3222	2.2 kOhm	2K		
C....17	59.06.0105	1 uF	10%	50V, PETF		R....32	57.11.3683	68 kOhm	2K		
C....18	59.06.0392	3.3 nF	10%	63V, PETF		R....33	57.11.3123	22 kOhm	2K		
C....19	59.05.2102	1 nF	2.5%	630V, PP		R....34	57.11.3223	22 kOhm	2K		
C....20	59.06.0102	1 nF	10%	63V, PETF		R....35	57.11.3153	15 kOhm	2K		
C....21	59.06.0102	1 nF	10%	63V, PETF		R....36	57.11.3103	10 kOhm	2K		
C....22	59.06.0102	1 nF	10%	63V, PETF		R....37	57.11.3103	10 kOhm	2K		
C....23	59.06.0104	100 nF	10%	63V, PETF		R....38	57.11.3333	33 kOhm	2K		
C....24	59.32.1330	33 pF	10%	400V, KER		R....39	57.11.4101	100 Ohm	2K		
C....25	59.32.1330	33 pF	10%	400V, KER		R....40	57.11.4101	100 Ohm	2K		
C....26	59.06.0102	1 nF	10%	63V, PETF		R....41	57.11.3101	100 Ohm	2K		
C....27	59.06.0474	470 nF	10%	63V, PETF		R....42	57.11.3101	100 Ohm	2K		
C....28	59.26.1220	22 uF	20%	10V, Sal		R....43	57.11.3101	100 Ohm	2K		
C....29	59.26.2100	10 uF	20%	16V, Sal		R....44	57.11.3102	1.6 kOhm	1K		
C....30	59.26.2100	10 uF	20%	16V, Sal		R....45	57.11.3202	2 kOhm	1K		
C....31	59.28.2222	2200 uF	20%	16V, E1		R....46	57.11.3824	820 kOhm	2K		
C....32	59.28.2222	2200 uF	20%	16V, E1		R....47	57.11.3102	1 kOhm	2K		
C....33	59.28.2222	2200 uF	20%	16V, E1		R....48	57.11.3393	39 kOhm	2K		
C....34	59.28.2222	2200 uF	20%	16V, E1		R....49	57.11.3222	2.2 kOhm	2K		
C....35	59.28.2222	2200 uF	20%	16V, E1		R....50	58.01.8201	200 Ohm	see note 2		
C....36	59.06.0105	1 uF	10%	50V, PETF		R....51	57.11.3222	2.2 kOhm	2K		
C....37	59.31.7103	10 nF	10%	160V, PETF		R....52	57.11.3101	100 Ohm	2K		

S T U D E R (01) 88/02/22 BD STABILIZER 5V, AUX VOLTAGES PL 1.820.872.82 PAGE 1 S T U D E R (01) 88/02/22 BD STABILIZER 5V, AUX VOLTAGES PL 1.820.872.82 PAGE 4

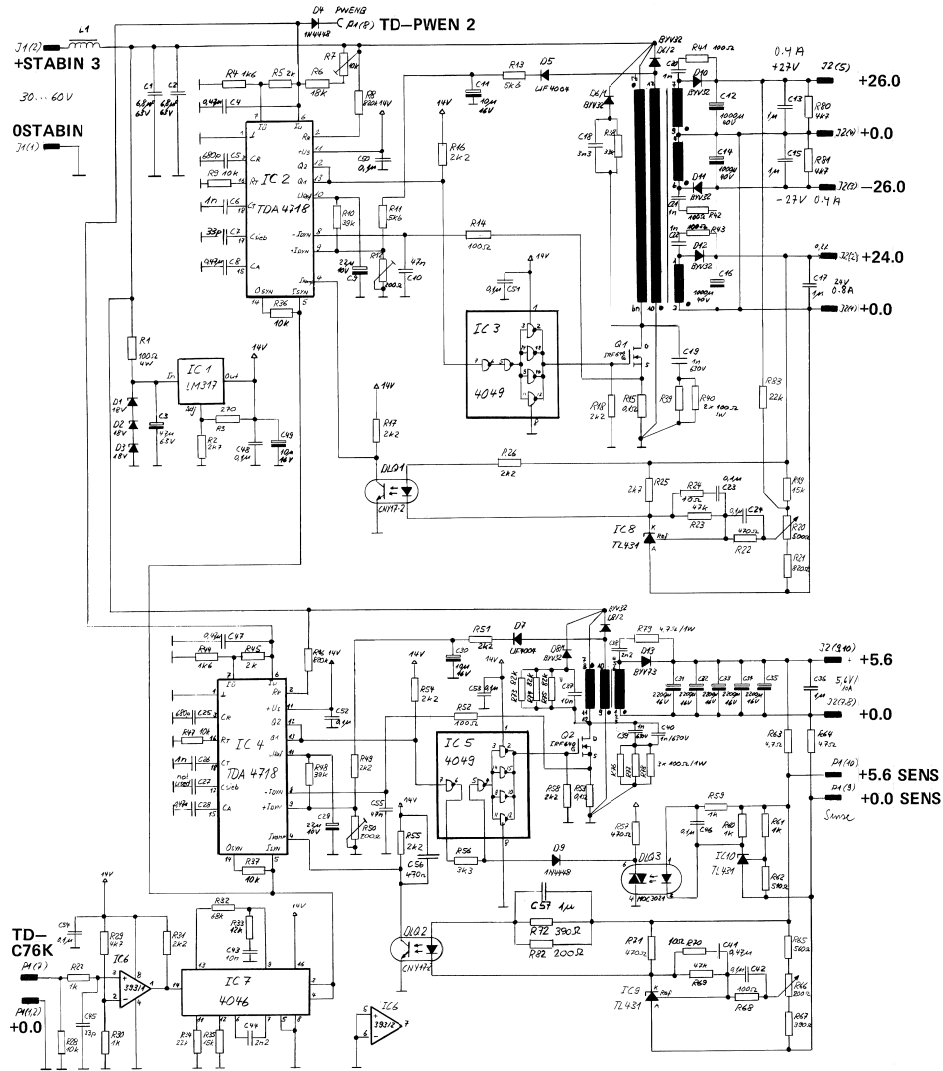
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....38	59.06.0222	2.2 nF	10%	63V, PETF		R....53	57.56.2050	50 mOhm	5%, 3 W, Low Inductance		
C....39	59.05.2102	1 nF	2.5%	630V, PP		R....54	57.11.3222	2.2 kOhm	2K		
C....40	59.05.2102	1 nF	2.5%	630V, PP		R....55	57.11.3222	2.2 kOhm	2K		
C....41	59.06.0474	470 nF	10%	63V, PETF		R....56	57.11.3332	3.3 kOhm	2K		
C....42	59.06.0104	100 nF	10%	63V, PETF		R....57	57.11.3823	82 kOhm	2K		
C....43	59.06.0103	10 nF	10%	63V, PETF		R....58	57.11.3222	2.2 kOhm	2K		
C....44	59.06.0222	2.2 nF	10%	63V, PETF		R....59	57.11.3102	1 kOhm	2K		
C....45	59.32.1330	33 pF	10%	400V, KER		R....60	57.11.3102	1 kOhm	2K		
C....46	59.06.0104	100 nF	10%	63V, PETF		R....61	57.11.3102	1 kOhm	2K		
C....47	59.06.0474	470 nF	10%	63V, PETF		R....62	57.11.3511	510 Ohm	2K		
C....48	59.06.0104	100 nF	10%	63V, PETF		R....63	57.11.3479	4.7 Ohm	2K		
C....49	59.26.2100	10 uF	20%	16V, Sal		R....64	57.11.3479	4.7 Ohm	2K		
C....50	59.06.0104	100 nF	10%	63V, PETF		R....65	57.11.3561	560 Ohm	2K		
C....51	59.06.0104	100 nF	10%	63V, PETF		R....66	58.01.8201	200 Ohm	see note 2		
C....52	59.06.0104	100 nF	10%	63V, PETF		R....67	57.11.3391	390 Ohm	2K		
C....53	59.06.0104	100 nF	10%	63V, PETF		R....68	57.11.3101	100 Ohm	2K		
C....54	59.06.0104	100 nF	10%	63V, PETF		R....69	57.11.3473	47 kOhm	2K		
C....55	59.06.0473	47 nF	10%	63V, PETF		R....70	57.11.3100	10 Ohm	2K		
D....1	50.04.1222	18 V Z	BZK 85 C 18	ITT, Mot, Ph, Tf, Tho		R....71	57.11.3471	470 Ohm	2K		
D....2	50.04.1222	18 V Z	BZK 85 C 18	ITT, Mot, Ph, Tf, Tho		R....72	57.11.3391	390 Ohm	2K		
D....3	50.04.1222	18 V Z	BZK 85 C 18	ITT, Mot, Ph, Tf, Tho		R....73	57.11.3823	82 kOhm	2K		
D....4	50.04.0125	1N 4448		Fc, ITT, Ph, Ses, Tf		R....74	57.11.3223	2.2 kOhm	2K		
D....5	50.04.0138	UF 4004				R....75	57.13.4101	100 Ohm	2K		
D....6	50.04.0517	BYV 32-200		Mot, Ph		R....76	57.13.4101	100 Ohm	2K		
D....7	50.04.0138	UF 4004				R....77	57.13.4101	100 Ohm	2K		
D....8	50.04.0517	BYV 32-200		Mot, Ph		R....78	57.13.4101	100 Ohm	2K		
D....9	50.04.0125	1N 4448		Fc, ITT, Ph, Ses, Tf		R....79	57.13.4479	4.7 Ohm	2K		
D....10	50.04.0517	BYV 32-200		Mot, Ph		R....80	57.11.3472	4.7 kOhm	2K		
D....11	50.04.0517	BYV 32-200		Mot, Ph		R....81	57.11.3472	4.7 kOhm	2K		
D....12	50.04.0517	BYV 32-200		Mot, Ph		R....82			not used		
D....13	50.04.0520	MBR 3045PT		Mot, Ph		R....83	57.11.3223	22 kOhm	2K		
DLQ...1	50.04.3200	CNY 17-2		Sie		T....1	1.022.291.00		Switching power transformer, 5.6V	St	
DLQ...2	50.04.3200	CNY 17-2		Sie		T....2	1.022.292.00		Switching power transformer, AUX	St	
DLQ...3	50.04.2139	MOC 3021		Mot							

S T U D E R (01) 88/02/22 RD STABILIZER 5V, AUX VOLTAGES PL 1.820.872.82 PAGE 2 S T U D E R (01) 88/02/22 BD STABILIZER 5V, AUX VOLTAGES PL 1.820.872.82 PAGE 5

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC....1	50.10.0104	LM 317 SP	...	...T, ...KC	Mot, NS, SES, Tho, TI						
IC....2	50.10.0111	TDA 4718 A	Q 67000 - Y639		Sie	(01) 22.02.88	Extended current range.				
IC....3	50.07.0049	HEP4049BE	TC 4049 BP		Ph, To	Note 1 - Connector, 10 contacts:	Yamaichi nr. FAF-10-08-40 SS				
IC....4	50.10.0111	TDA 4718 A	Q 67000 - Y639		Sie		Burnly nr. BPH 9 B 10 B 00 GS				
IC....5	50.07.0049	HEP4049BE	TC 4049 BP		Ph, To		7610-6002 VZ				
IC....6	50.05.0283	LM 393 ..			NS, Tho, TI	Note 2 - Potentiometer, 200 Ohm:	Bouras nr. 3306 F-1-201				
IC....7	50.07.0046	MC14046BFC	... 4046 ..		Mot, Ph, RCA		A. Bradley nr. E 2 B 201				
IC....8	50.10.0106	TL 431 CLP			Mot, TI		Spectrol nr. 63 M 201 T 010				
IC....9	50.10.0106	TL 431 CLP			Mot, TI		Murata nr. POT 3104 F-1-201				
IC....10	50.10.0106	TL 431 CLP			Mot, TI						
J....1	54.25.0002	2 cont.	AMP nr. 826846-3			Note 3 - Potentiometer, 2 kOhm:	Bouras nr. 3386 F-1-202				
J....2	54.25.0010	10 cont.	AMP nr. 826852-3				A. Bradley nr. E 2 B 202				
(00) L....1	1.022.295.00		filter coil		St		Spectrol nr. 63 M 202 T 010				
(01) L....1	1.022.295.81		filter coil		St		Murata nr. POT 3104 F-1-202				
P....1	54.14.2001		see note 1			Note 4 - Potentiometer, 10 kOhm:	Bouras nr. 3386 F-1-103				
Q....1	50.03.1510	IPR 640			IR, SIX		A. Bradley nr. E 2 B 103				
Q....2	50.03.1510	IPR 640			IR, SIX		Spectrol nr. 63 M 103 T 010				
R....1	57.56.5101	100 Ohm	10%, 4 W				Murata nr. POT 3104 F-1-103				
R....2	57.11.3272	2.7 kOhm	2K								
R....3	57.11.3271	270 Ohm	2K								
R....4	57.11.3162	1.6 kOhm	1K								
R....5	57.11.3202	2 kOhm	1K								
R....6	57.11.3183	18 kOhm	2K								
R....7	58.01.8103	10 kOhm	see note 4								
R....8	57.11.3824	820 kOhm	2K								
R....9	57.11.3103	10 kOhm	2K								
R....10	57.11.3393	39 kOhm	1K								
R....11	57.11.3682	5.6 kOhm	2K								



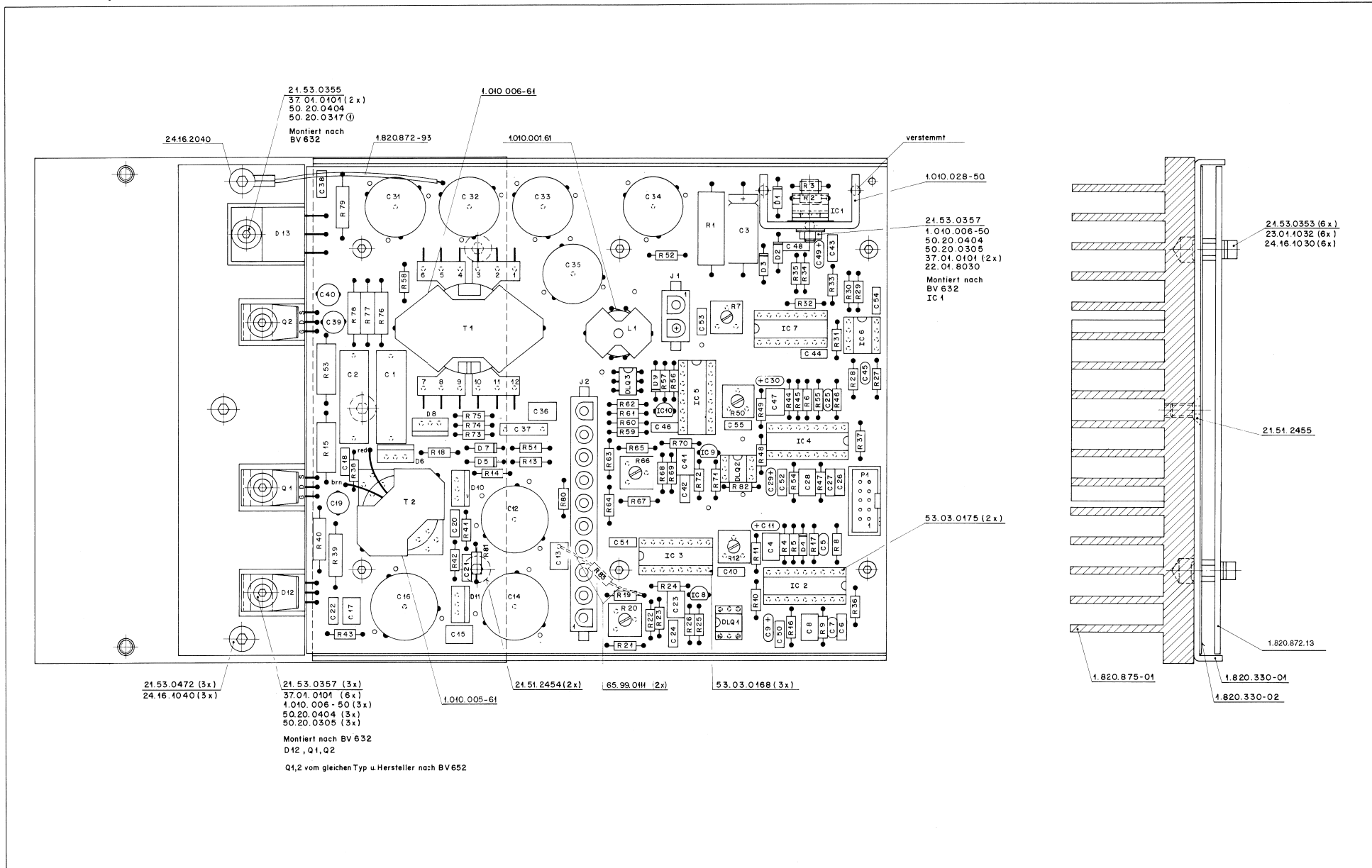
STABILIZER AUX, VOLTAGES 1.820.872.83



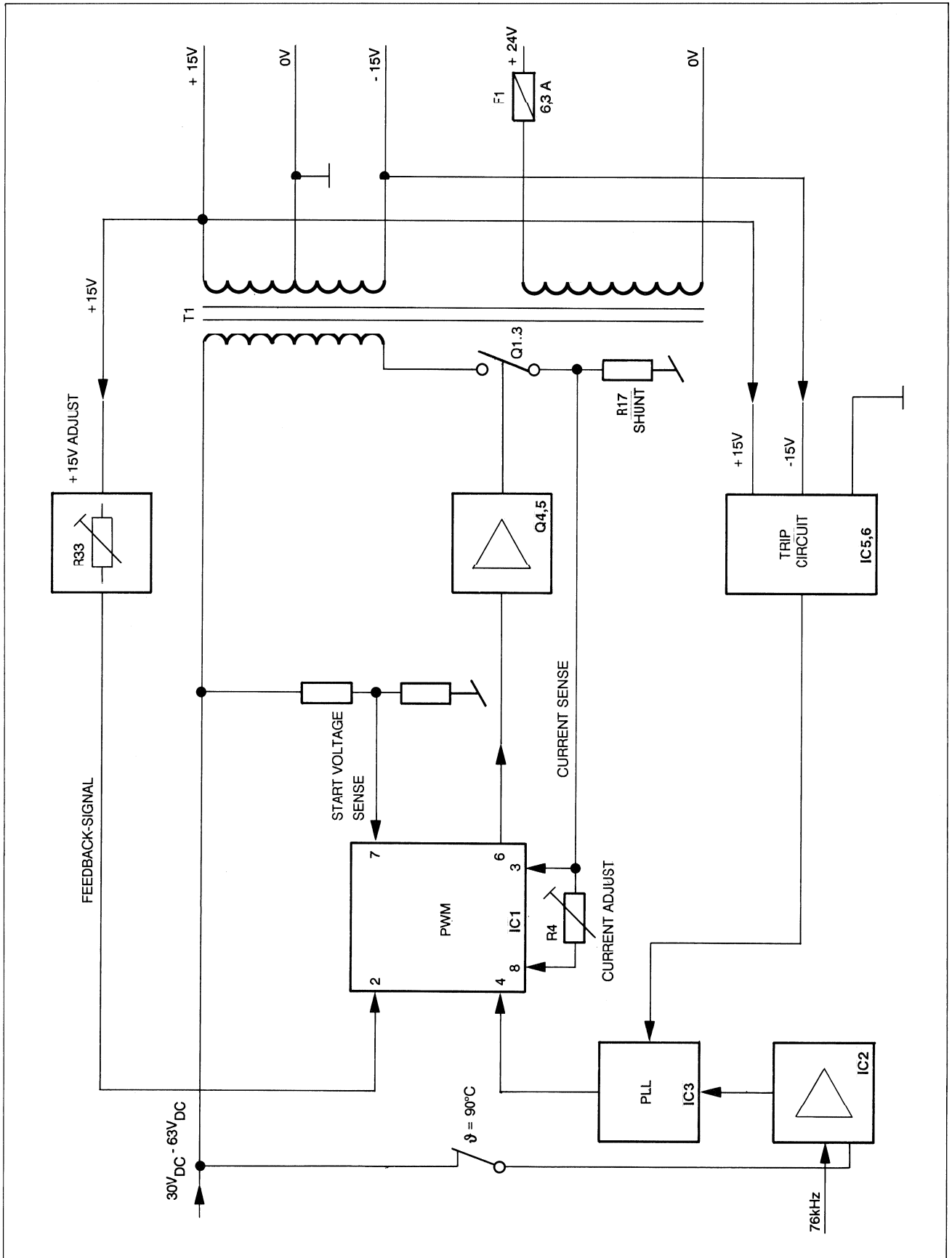
R7 INPUT VOLTAGE RANGE ADJUST
 R12 CURRENT LIMIT ADJUST
 R20 +24V ADJUST
 R50 CURRENT LIMIT ADJUST
 R66 +5.6V ADJUST

25.01.80	AS	...	...	...	...	PAGE 1 OF 1
STUDER		STABILIZER AUX, VOLTAGES			1.820.872.83	

STABILIZER AUX, VOLTAGES 1.820.872.83

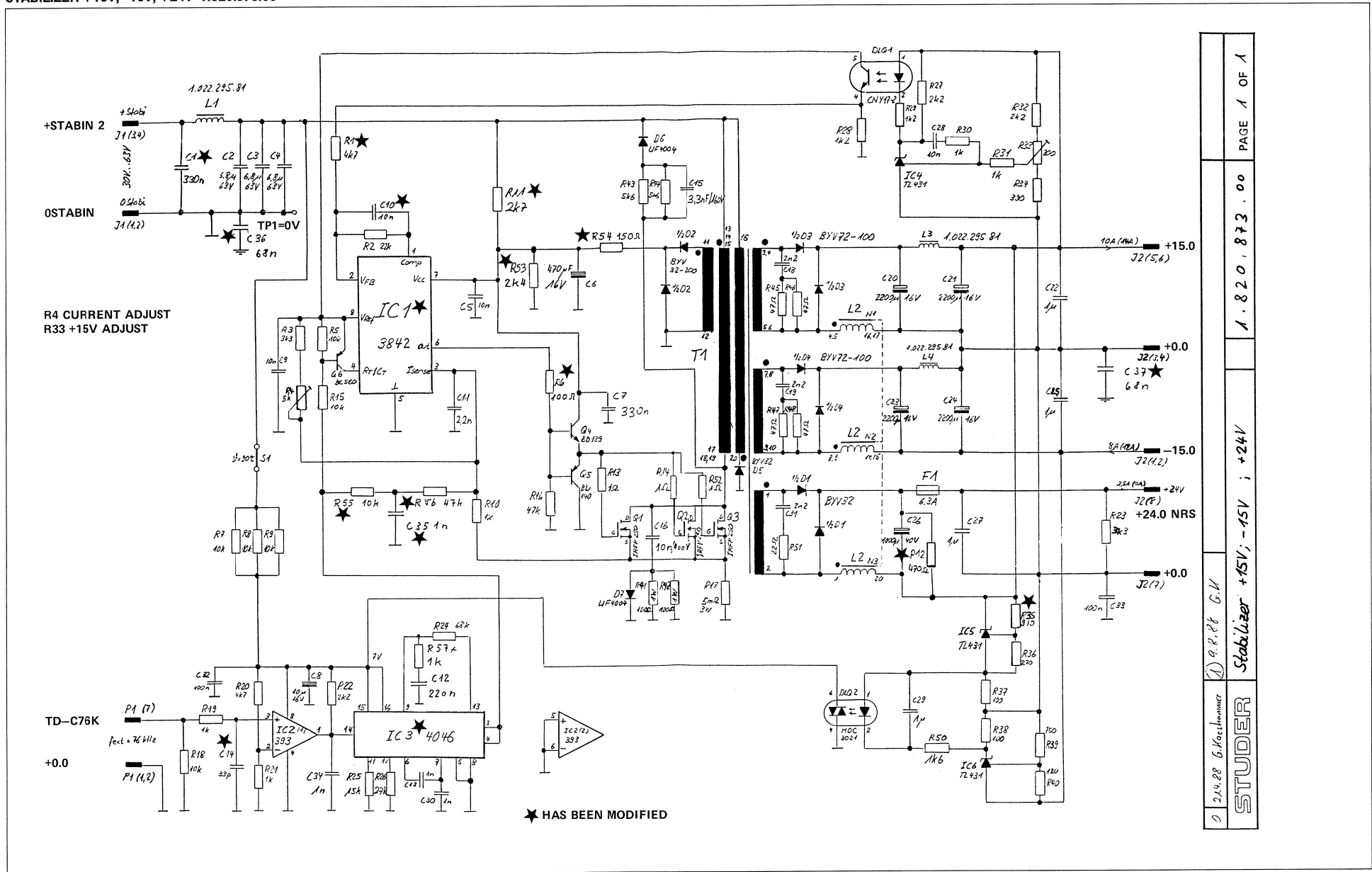


BLOCK DIAGRAM
STABILIZER $\pm 15V/+24V$ 1.820.873



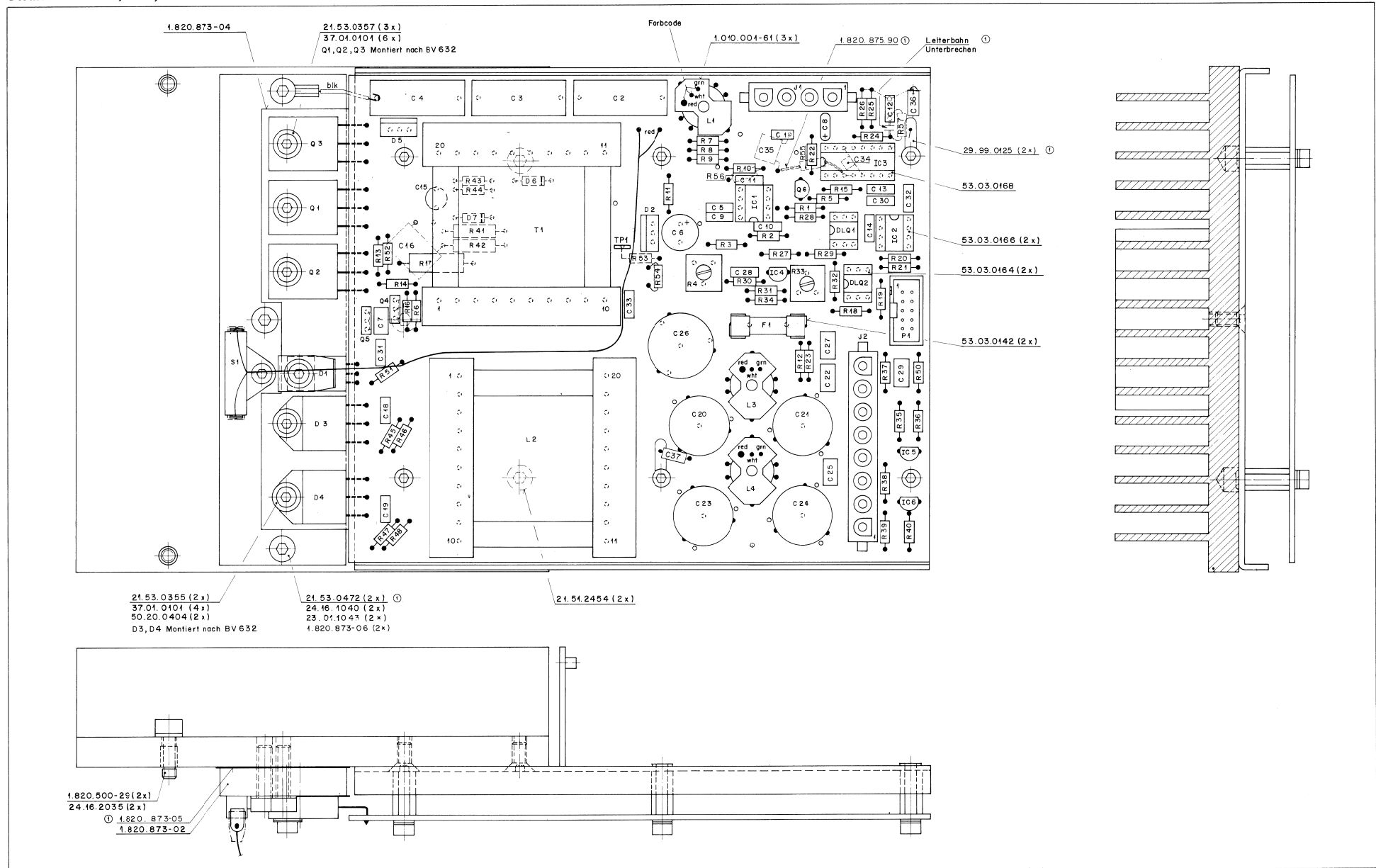


STABILIZER +15V, -15V, +24V 1.820.873.00



1.820.873.00 PAGE 1 OF 1
 21.4.28 G. Kocakocumner
 STUDER Stabilizer +15V, -15V, +24V
 19.8.88 G.V.

STABILIZER +15V, -15V, +24V 1.820.873.00

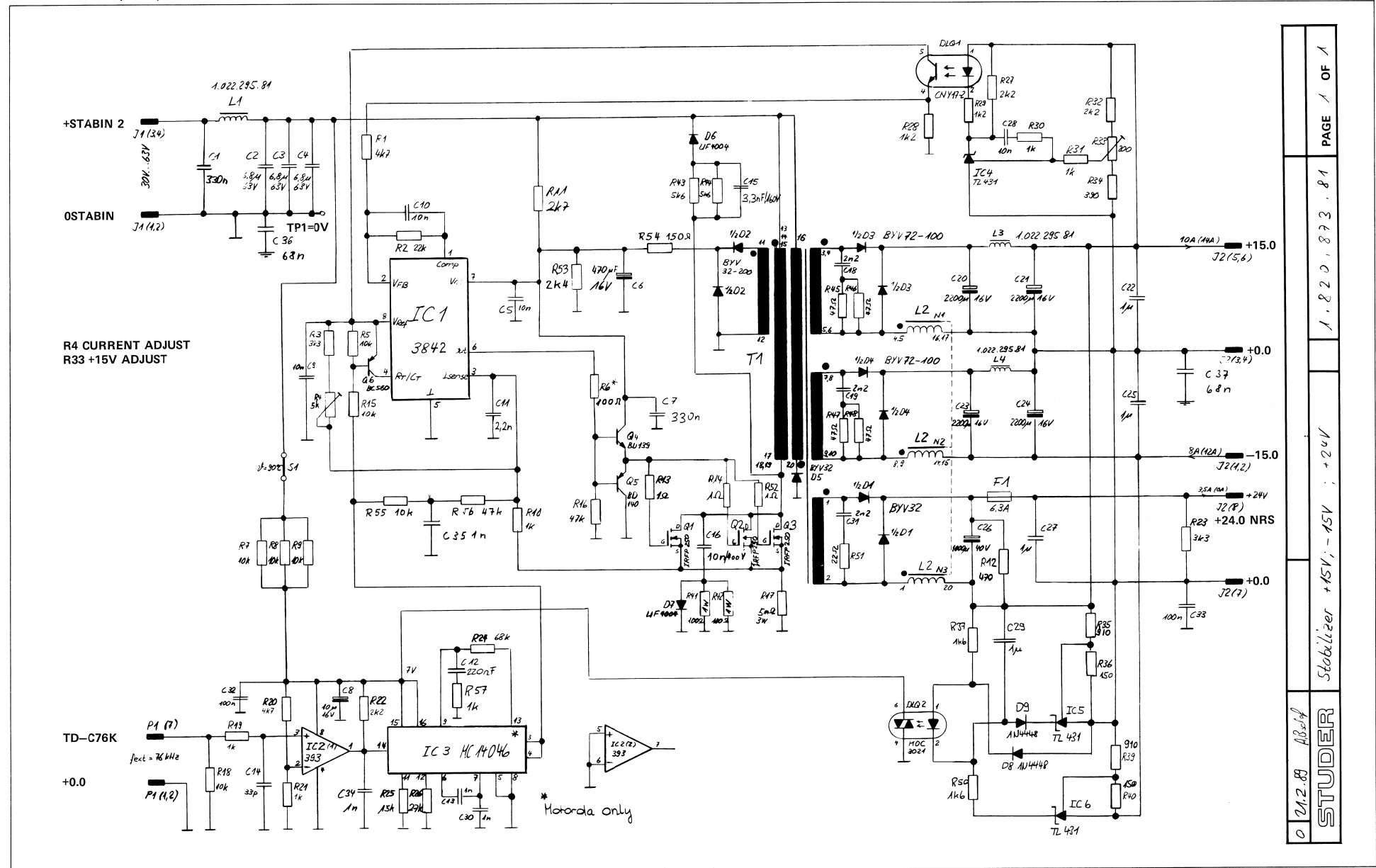


STABILIZER +15V, -15V, +24V 1.820.873.00

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(00)	C....1	59.22.8100	10 uF	20%, 63V, E1		(00)	R....25	57.11.3933	33 kOhm	1%	
(01)	C....1	59.05.0334	330 nF	10%, 63V, PETF		(01)	R....25	57.11.3153	15 kOhm	1%	
	C....2	59.02.0685	6.8 uF	5%, 63V, MRC		(00)	R....26	57.11.3153	15 kOhm	1%	
	C....3	59.02.0685	6.8 uF	5%, 63V, MRC		(01)	R....26	57.11.3273	27 kOhm	1%	
	C....4	59.06.0103	10 nF	10%, 63V, PETF			R....27	57.11.3222	2.2 kOhm	1%	
	C....5	59.06.0103	10 nF	10%, 63V, PETF			R....28	57.11.3122	1.2 kOhm	1%	
	C....6	59.22.4471	470 uF	20%, 16V, EL			R....29	57.11.3122	1.2 kOhm	1%	
	C....7	59.06.0334	330 nF	10%, 63V, PETF			R....30	57.11.3102	1 kOhm	1%	
	C....8	59.26.2100	10 uF	20%, 16V, Sal			R....31	57.11.3102	1 kOhm	1%	
	C....9	59.06.0103	10 nF	10%, 63V, PETF			R....32	57.11.3222	2.2 kOhm	1%	
(00)	C....10	59.06.0102	1 nF	10%, 63V, PETF			R....33	58.01.8201	200 Ohm	see not 3	
(01)	C....10	59.06.0103	10 nF	10%, 63V, PETF			R....34	57.11.3991	390 Ohm	1%	
	C....11	59.06.0222	2.2 nF	10%, 63V, PETF		(00)	R....35	57.11.3102	1 kOhm	1%	
	C....12	59.06.0102	1 nF	10%, 63V, PETF		(01)	R....35	57.11.3011	100 Ohm	1%	
	C....13	59.06.0102	1 nF	10%, 63V, PETF			R....36	57.11.3271	270 Ohm	1%	
	C....14	59.34.2330	33 pF	5%, 150V, CER			R....37	57.11.3101	100 Ohm	1%	
	C....15	59.05.2332	3.3 nF	2.5%, 160V, PP			R....38	57.11.3101	100 Ohm	1%	
(00)	C....16	59.05.2102	1 nF	2.5%, 630V, PP			R....39	57.11.3751	750 Ohm	1%	
(01)	C....16	59.05.6103	10 nF	10%, 400V, MPP			R....40	57.11.3121	120 Ohm	1%	
(00)	C....17	59.06.0103	10 nF	10%, 63V, PETF			R....41	57.13.4101	100 Ohm	2%	
(01)	C....17		not used				R....42	57.13.4101	100 Ohm	2%	
	C....18	59.06.0222	2.2 nF	10%, 63V, PETF			R....43	57.11.3562	5.6 kOhm	1%	
	C....19	59.06.0222	2.2 nF	10%, 63V, PETF			R....44	57.11.3562	5.6 kOhm	1%	
	C....20	59.28.2222	2200 uF	10%, 63V, PETF			R....45	57.11.3470	47 Ohm	1%	
	C....21	59.28.2222	2200 uF	10%, 16V, PETF			R....46	57.11.3470	47 Ohm	1%	
	C....22	59.06.0105	1 uF	10%, 50V, PETF			R....47	57.11.3470	47 Ohm	1%	
	C....23	59.28.2222	2200 uF	20%, 16V, E1			R....48	57.11.3470	47 Ohm	1%	
	C....24	59.28.2222	2200 uF	20%, 16V, E1		(00)	R....49	57.11.3223	22 kOhm	1%	
	C....25	59.06.0105	1 uF	10%, 50V, PETF		(01)	R....49	57.11.3162	not used	1%	
	C....26	59.28.4102	1000 uF	20%, 40V, E1			R....50	57.11.3220	22 Ohm	1%	
	C....27	59.06.0105	1 uF	10%, 50V, PETF			R....51	57.11.3109	1 Ohm	1%	
	C....28	59.06.0103	10 nF	10%, 63V, PETF			R....52	57.11.3242	2.4 kOhm	1%	
	C....29	59.06.0105	1 uF	10%, 50V, PETF		(01)	R....53	57.11.5151	150 Ohm	1%	
	C....30	59.06.0102	1 nF	10%, 63V, PETF			R....54	57.11.3103	10 kOhm	1%	
	C....31	59.06.0222	2.2 nF	10%, 63V, PETF		(01)	R....55	57.11.3103	10 kOhm	1%	
	C....32	59.06.0104	100 nF	10%, 63V, PETF		(01)	R....56	57.11.3473	47 kOhm	1%	
	C....33	59.06.0104	100 nF	10%, 63V, PETF		(01)	R....57	57.11.3102	1 kOhm	1%	
S T U D E R (02) 89/04/07 BD STABILIZER +15V, -15V, PL 1.820.873.00 PAGE 1						S T U D E R (02) 89/04/07 BD STABILIZER +15V, -15V, PL 1.820.873.00 PAGE 4					
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(01)	C....34	59.32.4102	1 nF	20%, 50V, Cer		S....1	55.19.0005			Thermo switch, Tokin nr. OHD 3 - 90 BU	
(01)	C....35	59.06.0102	1 nF	10%, 63V, PETF		T....1	1.022.299.00			Switching Power Transformer 2 * 15 V	St
(01)	C....36	59.99.0246	68 nF	-20%, 63V, Cer		TP....1	54.02.0320			Test Point	
	C....37	59.99.0246	68 nF	-20%, 63V, Cer							
	D....1	50.04.0517	BYV 32-200		Ph, Mot						
	D....2	50.04.0517	BYV 32-200		Ph, Mot						
	D....3	50.04.0522	BYV72-100	BYV99F-100	Theo, Ph, Mot						
	D....4	50.04.0522	BYV72-100	BYV99F-100	Theo, Ph, Mot						
	D....5	50.04.0517	BYV 32-200		Ph, Mot						
	D....6	50.04.0138	UF 4004	BYN 01-400							
	D....7	50.04.0138	UF 4004	BYN 01-400							
	DLQ...1	50.04.3200	CNY17-2		Sie						
	DLQ...2	50.04.2139	MOC 3021		Mot						
	F....1	51.01.0125	Fuse 6.3A								
(00)	IC....1	50.10.0113	IP 3842N		Un,IPS						
(01)	IC....1	50.10.0114	IP 3842N		Un,SGS						
	IC....2	50.07.0046	MC14046BFC	... 4046 ...	Mot						
(02)	IC....3	50.07.1046	MC14046BFC		Mot						
	IC....4	50.10.0106	TL 431 CL	F	Mot,II						
	IC....5	50.10.0106	TL 431 CL	F	Mot,II						
	IC....6	50.10.0106	TL 431 CL	F	Mot,II						
	J....1	54.25.0004	4 cont.	AMP nr. 826848-3 or 826848-1							
	J....2	54.25.0008	8 cont.	AMP nr. 826851-3							
	L....1	1.022.295.81		Filter coil	St						
	L....2	1.022.606.00		CHOKE +15V/-15V	St						
	L....3	1.022.295.81		Filter coil	St						
	L....4	1.022.295.81		Filter coil	St						
(00)	L....5	62.02.1822	8.2 mH,	5%,DB							
(01)	L....5		not used								
S T U D E R (02) 89/04/07 BD STABILIZER +15V, -15V, PL 1.820.873.00 PAGE 2						S T U D E R (02) 89/04/07 BD STABILIZER +15V, -15V, PL 1.820.873.00 PAGE 5					
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	P....1	54.14.2001	10 cont.	see note 1							
	Q....1	50.03.1612	IRF P250		IR	(01)	09.08.88			Improved interference suppression and power up noise.	
	Q....2	50.03.1612	IRF P250		IR	(02)	07.04.89			Improved tolerance of lockin-range of PLL.	
	Q....3	50.03.1612	IRF P250		IR						
	Q....4	50.03.0451	BD 139		any	Note 1 - Connector: 10 contacts:	Yamaichi nr.	FAP-10-08-40 SS			
	Q....5	50.03.0452	BD 140		any	Burndy nr.	BPH 9 B 10 B 00 GS				
	Q....6	50.03.0496	BC 560		any	3M nr.	7610-6002 V2				
(00)	R....1	57.11.3102	1 kOhm	1%		Note 2 - Potentiometer:	5 kOhm:	Bourne nr.	3386 F-1-502		
(01)	R....1	57.11.3472	4.7 kOhm	1%		A. Bradley nr.	E 2 B 502				
	R....2	57.11.3223	22 kOhm	1%		Spectrol nr.	63 M 502 T 010				
	R....3	57.11.3932	3.3 kOhm	1%		Murata nr.	POT 3104 F-1-502				
	R....4	58.01.8502	5 kOhm	see note 2		NOTE 3 - Potentiometer, 200 Ohm:	Bourne nr.	3386 F-1-201			
	R....5	57.11.3103	10 kOhm	1%		A. Bradley nr.	E 2 B 201				
(00)	R....6	57.11.3109	1 Ohm	1%		Spectrol nr.	63 M 201 T 010				
(01)	R....6	57.11.3101	100 Ohm	1%		Murata nr.	POT 3104 F-1-201				
	R....7	57.11.3103	10 kOhm	1%							
	R....8	57.11.3103	10 kOhm	1%							
	R....9	57.11.3103	10 kOhm	1%							
	R....10	57.11.3102	1 kOhm	1%							
(00)	R....11	57.11.3103	10 kOhm	1%							
(01)	R....11	57.11.3272	2.7 kOhm	1%							
(00)	R....12	57.11.3932	3.3 kOhm	1%							
	R....13	57.11.3471	470 Ohm	1%							
(01)	R....13	57.11.3109	1 Ohm	1%							
	R....14	57.11.3109	1 Ohm	1%							
	R....15	57.11.3103	10 kOhm	1%							
	R....16	57.11.3473	47 kOhm	1%							
	R....17	57.56.2005	5 mOhm	5%, 3 W, Low Inductance							
	R....18	57.11.3103	10 kOhm	1%							
	R....19	57.11.3102	1 kOhm	1%							
	R....20	57.11.3472	4.7 kOhm	1%							
	R....21	57.11.3102	1 kOhm	1%							
	R....22	57.11.3222	2.2 kOhm	1%							
	R....23	57.11.3932	3.3 kOhm	1%							
	R....24	57.11.3683	68 kOhm	1%							
S T U D E R (02) 89/04/07 BD STABILIZER +15V, -15V, PL 1.820.873.00 PAGE 3						S T U D E R (02) 89/04/07 BD STABILIZER +15V, -15V, PL 1.820.873.00 PAGE 6					

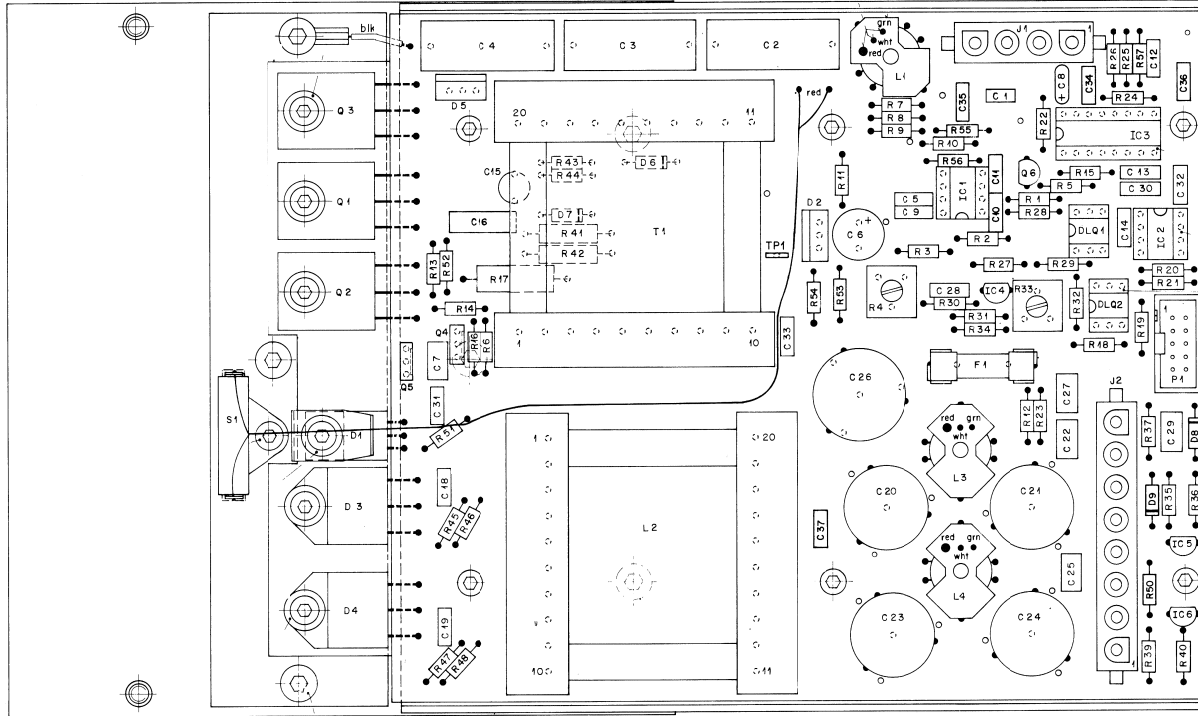


STABILIZER +15V, -15V, +24V 1.820.873.81



0 212.88	Altebel	STUDER	Stabilizer +15V, -15V, +24V	1.820.873.81	PAGE 1 OF 1
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STABILIZER +15V, -15V, +24V 1.820.873.81



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Q....5		50.03.0452	RD 140		any
Q....6		50.03.0496	RD 560		any
R....1		57.11.3475	4.7 kOhm	1X	
R....2		57.11.3233	22 kOhm	1X	
R....3		57.11.3502	5.1 kOhm	1X	
R....4		50.01.8502	5 kOhm	see note 2	
R....5		57.11.3103	10 kOhm	1X	
R....6		57.11.3101	100 Ohm	1X	
R....7		57.11.3103	10 kOhm	1X	
R....8		57.11.3103	10 kOhm	1X	
R....9		57.11.3103	10 kOhm	1X	
R....10		57.11.3102	1 kOhm	1X	
R....11		57.11.3272	2.7 kOhm	1X	
R....12		57.11.3471	470 Ohm	1X	
R....13		57.11.3109	1 Ohm	1X	
R....14		57.11.3109	1 Ohm	1X	
R....15		57.11.3103	10 kOhm	1X	
R....16		57.11.3473	47 kOhm	1X	
R....17		57.56.2005	5 mOhm	2% 3 W Low Inductance	
R....18		57.11.3103	10 kOhm	1X	
R....19		57.11.3102	1 kOhm	1X	
R....20		57.11.3472	4.7 kOhm	1X	
R....21		57.11.3102	1 kOhm	1X	
R....22		57.11.3222	2.2 kOhm	1X	
R....23		57.11.3332	3.3 kOhm	1X	
R....24		57.11.3663	68 kOhm	1X	
R....25		57.11.3153	15 kOhm	1X	
R....26		57.11.3273	27 kOhm	1X	
R....27		57.11.3222	2.2 kOhm	1X	
R....28		57.11.3102	1 kOhm	1X	
R....29		57.11.3102	1 kOhm	1X	
R....30		57.11.3222	2.2 kOhm	1X	
R....31		57.11.3102	1 kOhm	1X	
R....32		57.11.3222	2.2 kOhm	1X	
R....33		56.01.8201	200 Ohm	see note 3	
R....34		57.11.3391	910 Ohm	1X	

STUDER (00) 89/02/21 AST STABILIZER +15V, -15V. PL 1.820.873.81 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....35		57.11.3911	910 Ohm	1X	
R....36		57.11.3151	150 Ohm	1X	
R....37		57.11.3162	1.6 kOhm	1X	
R....38		57.11.3911	910 Ohm	1X	
R....39		57.11.3911	910 Ohm	1X	
R....40		57.11.3101	150 Ohm	1X	
R....41		57.13.4101	100 Ohm	2X	
R....42		57.13.4101	100 Ohm	2X	
R....43		57.11.3562	5.6 kOhm	1X	
R....44		57.11.3562	5.6 kOhm	1X	
R....45		57.11.3470	47 Ohm	1X	
R....46		57.11.3470	47 Ohm	1X	
R....47		57.11.3470	47 Ohm	1X	
R....48		57.11.3470	47 Ohm	1X	
R....49		57.11.3162	1.6 kOhm	1X	
R....50		57.11.3220	2.2 kOhm	1X	
R....51		57.11.3109	1 Ohm	1X	
R....52		57.11.3242	2.4 kOhm	1X	
R....54		57.11.3151	150 Ohm	1X	
R....55		57.11.3103	10 kOhm	1X	
R....56		57.11.3473	47 kOhm	1X	
R....57		57.11.3102	1 kOhm	1X	

STUDER (00) 89/02/21 AST STABILIZER +15V, -15V. PL 1.820.873.81 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.04.0394	330 nF	10%, 63V, PETP	
C....2		59.02.0685	6.8 nF	5%, 63V, MFC	
C....3		59.02.0685	6.8 nF	5%, 63V, MFC	
C....4		59.02.0685	6.8 nF	5%, 63V, MFC	
C....5		59.04.0103	10 nF	10%, 63V, PETP	
C....6		59.22.4471	470 nF	20%, 18V, EL	
C....7		59.04.0394	330 nF	10%, 63V, PETP	
C....8		59.28.2100	10 nF	20%, 18V, Sel	
C....9		59.04.0103	10 nF	10%, 63V, PETP	
C....10		59.04.0103	10 nF	10%, 63V, PETP	
C....11		59.04.0222	2.2 nF	10%, 63V, PETP	
C....12		59.04.0224	220 nF	10%, 63V, PETP	
C....13		59.04.0103	10 nF	10%, 63V, PETP	
C....14		59.34.2330	33 nF	5%, 1850, CER	
C....15		59.05.2330	3.3 nF	2.5%, 150V, FP	
C....16		59.05.8103	10 nF	10%, 400V, MPP	
C....17		not used			
C....18		59.08.0222	2.2 nF	10%, 63V, PETP	
C....19		59.08.0222	2.2 nF	10%, 63V, PETP	
C....20		59.28.2222	2200 nF	10%, 63V, PETP	
C....21		59.28.2222	2200 nF	10%, 63V, PETP	
C....22		59.06.0105	1 nF	10%, 50V, PETP	
C....23		59.06.0105	1 nF	10%, 50V, PETP	
C....24		59.28.2222	2200 nF	10%, 63V, PETP	
C....25		59.06.0105	1 nF	10%, 50V, PETP	
C....26		59.28.4102	1000 nF	20%, 40V, EL	
C....27		59.06.0105	1 nF	10%, 50V, PETP	
C....28		59.06.0103	10 nF	10%, 63V, PETP	
C....29		59.06.0105	1 nF	10%, 50V, PETP	
C....30		59.06.0102	1 nF	10%, 50V, PETP	
C....31		59.06.0222	2.2 nF	10%, 63V, PETP	
C....32		59.06.0104	100 nF	10%, 63V, PETP	
C....33		59.06.0104	100 nF	10%, 63V, PETP	
C....34		59.32.8102	1 nF	20%, 50V, CER	
C....35		59.06.0102	1 nF	10%, 50V, PETP	
C....36		59.99.0246	68 nF	20%, 63V, Cer	
C....37		59.99.0246	68 nF	20%, 63V, Cer	

STUDER (00) 89/02/21 AST STABILIZER +15V, -15V. PL 1.820.873.81 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D....1		50.04.0517	BYV 32-200		Ph/Mot
D....2		50.04.0517	BYV 32-200		Ph/Mot
D....3		50.04.0502	BYV72-100		Ph/Mot
D....4		50.04.0502	BYV72-100	BYW99P-100	Ph/Mot
D....5		50.04.0517	BYV 32-200	BYW99P-100	Ph/Mot
D....6		50.04.0138	UF 4004	BYW 01-400	Ph/Mot
D....7		50.04.0138	UF 4004	BYW 01-400	Ph/Mot
D....8		50.04.0135	1 N 4448		Ph/ITT, Ph/S&S, Tr
D....9		50.04.0135	1 N 4448		Ph/ITT, Ph/S&S, Tr
DL0..1		50.04.3200	DN17-2		Die
DL0..2		50.04.2139	MOC 3021		Mot
F....1		51.01.0125	Fuse 6.3A		
IC0..1		90.10.01.4	IP 38428		Un/SOS
IC0..2		50.05.0263	LM 393		Not Only
IC0..3		50.07.1046	MC 14048B		Met/TL
IC0..4		50.10.0106	TL 431 CL P		Met/TL
IC0..5		50.10.0106	TL 431 CL P		Met/TL
IC0..6		50.10.0106	TL 431 CL P		Met/TL
J....1		54.25.0094	4 cont.	AMP nr. 026848-3 or 026848-1	
J....2		54.25.0088	8 cont.	AMP nr. 026851-3	
L....1		1.022.295.81	Filter coil		St
L....2		1.022.606.00	CHREZ +15V/-15V		St
L....3		1.022.295.81	Filter coil		St
L....4		1.022.295.81	Filter coil		St
L....5		not used			St
P....1		54.14.2001	10 cont.	see note 1	
Q....1		50.03.1612	18F P250		IR
Q....2		50.03.1612	18F P250		IR
Q....3		50.03.1612	18F P250		IR
Q....4		50.03.0451	RD 139		any

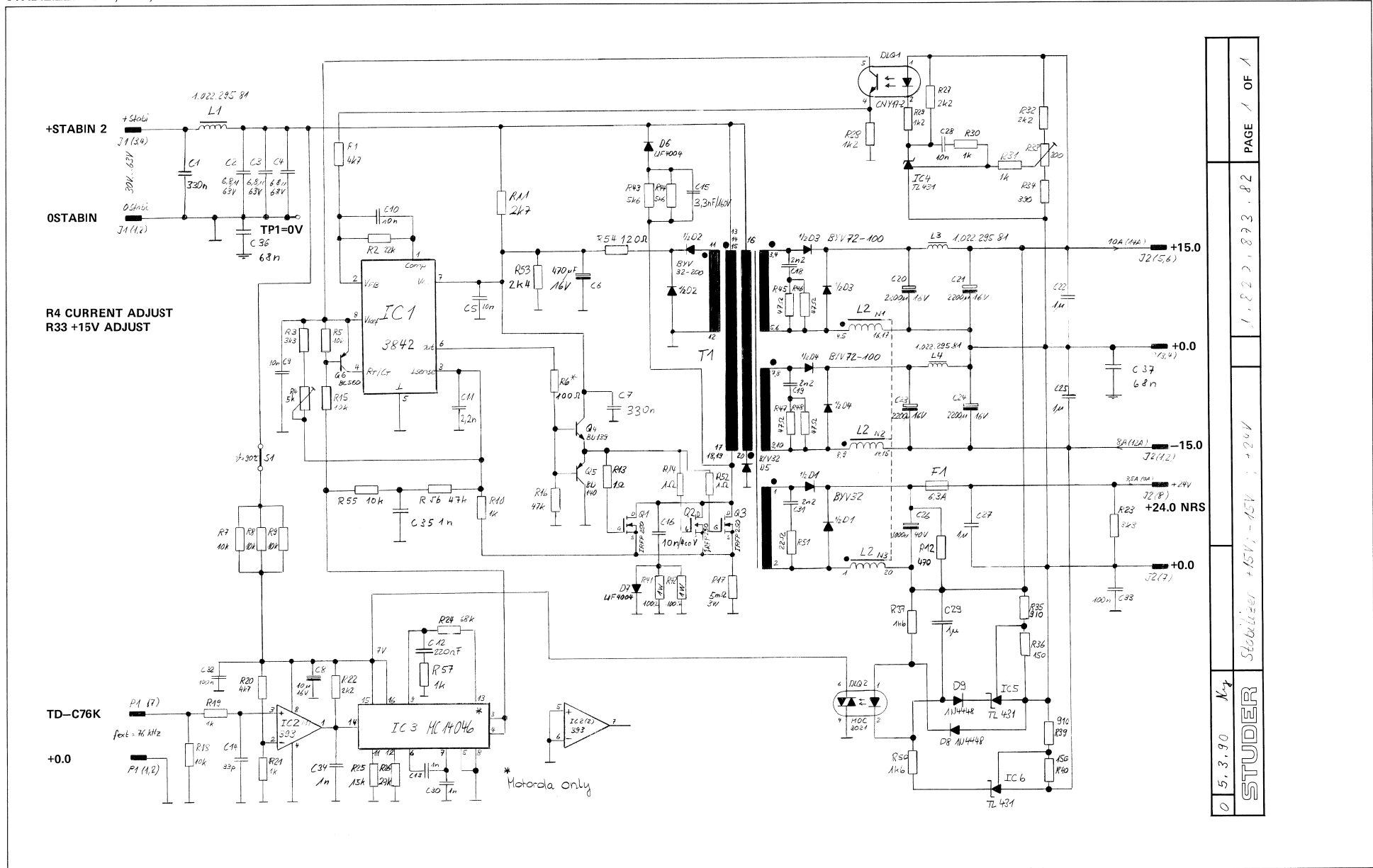
STUDER (00) 89/02/21 AST STABILIZER +15V, -15V. PL 1.820.873.81 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1		Connector, 10 contacts:	Yanagichi nr.	F8C-10-08-40 SS	
			Bayonet nr.	EPB 5 x 10 x 80 OS	
				3M nr.	7610-6002 VZ
Note 2		Potentiometer, 5 kOhm:	Source nr.	3886 F-1-202	
			A. Bradley nr.	F 2 B 502	
			Spectral nr.	63 M 502 T 010	
			Murata nr.	POT 3104 F-1-202	
Note 3		Potentiometer, 200 Ohm:	Source nr.	3886 F-1-201	
			A. Bradley nr.	F 2 B 201	
			Spectral nr.	63 M 201 T 010	
			Murata nr.	POT 3104 F-1-201	
IC=		Electrolytic, METP=Metallized Polyesterfilm, PETP=Polyesterfilm, MPP=Metallized Polypropylene, PP=Polypropylene, Hal=Solid aluminium, Cer=Ceramic.			
MANUFACTURER:		Fo=Fairchild, ITT=International, IB=International Rectifier, Not=Not a manufacturer, NS=National Semiconductor, Ph=Philips, S&S=SGS Corp. of America, Sem=Semiconductors, S&S=SGS/At&S, Sil=Siliconix, Sil=Siliconix, St=Studer, Tr=Telefunken, Thy=Thyssen CER, TI=Texas Instruments, Tr=Truube, G=General Instruments, Un=Unistoda.			

STUDER (00) 89/02/21 AST STABILIZER +15V, -15V. PL 1.820.873.81 PAGE 5



STABILIZER +15V, -15V, +24V 1.820.873.82/83



R4 CURRENT ADJUST
R33 +15V ADJUST

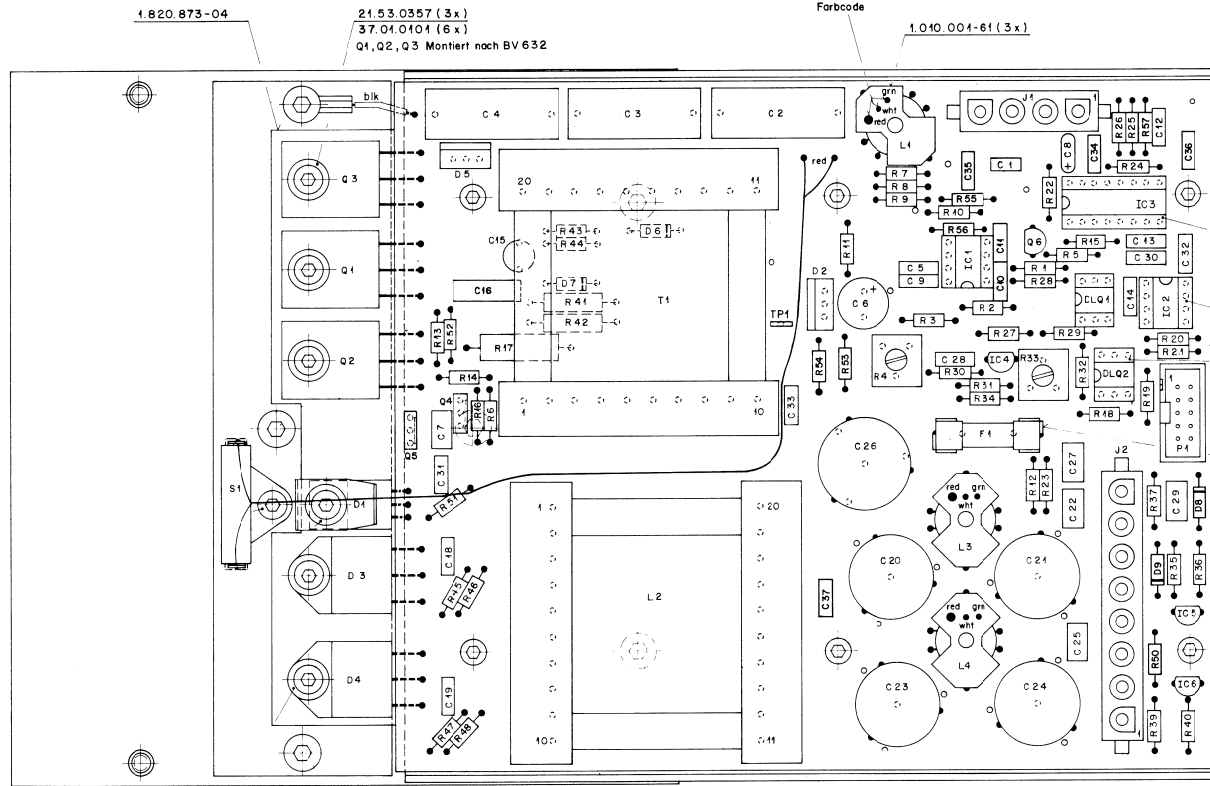
TD-C76K

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* Motorola only

05.3.90	STUDER	Stabilizer +15V; -15V; +24V	1.820.873.82	PAGE 1 OF 1
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STABILIZER +15V, -15V, +24V 1.820.873.82/83



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Q...	5	50.03.0455	BD 140		
Q...	6	50.03.0496	BE 560		any
R...	1	57.11.3472	4.7 kOhm	1X	
R...	2	57.11.3223	22 kOhm	1X	
R...	3	57.11.3332	3.3 kOhm	1X	
R...	4	56.01.0502	5 kOhm	see note 2	
R...	5	57.11.3109	10 kOhm	1X	
R...	6	57.11.3101	100 Ohm	1X	
R...	7	57.11.3103	10 kOhm	1X	
R...	8	57.11.3103	10 kOhm	1X	
R...	9	57.11.3103	10 kOhm	1X	
R...	10	57.11.3102	1 kOhm	1X	
R...	11	57.11.3272	2.7 kOhm	1X	
R...	12	57.11.3471	470 Ohm	1X	
R...	13	57.11.3109	1 Ohm	1X	
R...	14	57.11.3109	1 Ohm	1X	
R...	15	57.11.3103	10 kOhm	1X	
R...	16	57.11.3473	47 kOhm	1X	
R...	17	57.56.2005	5 kOhm	3 W Low Inductance	
R...	18	57.11.3103	10 kOhm	1X	
R...	19	57.11.3102	1 kOhm	1X	
R...	20	57.11.3472	4.7 kOhm	1X	
R...	21	57.11.3102	1 kOhm	1X	
R...	22	57.11.3222	2.2 kOhm	1X	
R...	23	57.11.3332	3.3 kOhm	1X	
R...	24	57.11.3683	68 kOhm	1X	
R...	25	57.11.3103	10 kOhm	1X	
R...	26	57.11.3273	27 kOhm	1X	
R...	27	57.11.3222	2.2 kOhm	1X	
R...	28	57.11.3102	1.2 kOhm	1X	
R...	29	57.11.3102	1.2 kOhm	1X	
R...	30	57.11.3102	1 kOhm	1X	
R...	31	57.11.3102	1 kOhm	1X	
R...	32	57.11.3222	2.2 kOhm	1X	
R...	33	56.01.0502	200 Ohm	see note 3	
R...	34	57.11.3391	390 Ohm	1X	

STUDER (00) 90/03/05 AST STABILIZER +15V, -15V, PL 1.820.873.82 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...	35	57.11.3911	910 Ohm	1X	
R...	36	57.11.3151	150 Ohm	1X	
R...	37	57.11.3162	1.6 kOhm	1X	
R...	38	57.11.3911	910 Ohm	not used	
R...	39	57.11.3911	910 Ohm	1X	
R...	40	57.11.3151	150 Ohm	1X	
R...	41	57.11.4101	100 Ohm	1X	
R...	42	57.18.4101	100 Ohm	2X	
R...	43	57.11.3905	9.6 kOhm	1X	
R...	44	57.11.3962	3.6 kOhm	1X	
R...	45	57.11.3470	47 kOhm	1X	
R...	46	57.11.3470	47 kOhm	1X	
R...	47	57.11.3470	47 kOhm	1X	
R...	48	57.11.3470	47 kOhm	1X	
R...	49	57.11.3470	47 kOhm	1X	
R...	50	57.11.3162	not used		
R...	51	57.11.3220	22 kOhm	1X	
R...	52	57.11.3109	1 Ohm	1X	
R...	53	57.11.3242	2.4 kOhm	1X	
R...	54	57.11.3121	120 Ohm	1X	
R...	55	57.11.3103	10 kOhm	1X	
R...	56	57.11.3473	47 kOhm	1X	
R...	57	57.11.3102	1 kOhm	1X	
S...	1	55.19.0005		Thermo switch, Tokin nr. DHD 3 - 90 B/	
T...	1	1.022.299.00		Switching Power Transformer 2 x 15 V St	
TP...	1	54.02.0320		Test Point	

STUDER (00) 90/03/05 AST STABILIZER +15V, -15V, PL 1.820.873.82 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...	1	59.05.0334	330 nF	10%, 63V PETP	
C...	2	59.01.0685	6.8 uF	5A 63V MFC	
C...	3	59.01.0685	6.8 uF	5A 63V MFC	
C...	4	59.01.0685	6.8 uF	5A 63V MFC	
C...	5	59.05.0103	10 nF	10%, 63V PETP	
C...	6	59.02.4471	470 nF	20%, 16V EL	
C...	7	59.05.0334	330 nF	10%, 63V PETP	
C...	8	59.05.0100	10 nF	10%, 63V PETP	
C...	9	59.05.0103	10 nF	10%, 63V PETP	
C...	10	59.05.0109	10 nF	10%, 63V PETP	
C...	11	59.05.0222	2.2 nF	10%, 63V PETP	
C...	12	59.05.0224	220 nF	10%, 63V PETP	
C...	13	59.05.0102	1 nF	10%, 63V PETP	
C...	14	59.04.0380	33 uF	5%, 1650V CER	
C...	15	59.05.2352	3.3 nF	2.5%, 1650V FP	
C...	16	59.05.0103	10 nF	10%, 63V PETP	
C...	17	59.05.0222	not used		
C...	18	59.05.0222	2.2 nF	10%, 63V PETP	
C...	19	59.05.0222	2.2 nF	10%, 63V PETP	
C...	20	59.05.0222	2200 uF	10%, 63V PETP	
C...	21	59.03.2222	2200 uF	10%, 16V PETP	
C...	22	59.05.0105	1 uF	10%, 50V PETP	
C...	23	59.03.2222	2200 uF	20%, 16V EL	
C...	24	59.03.2222	2200 uF	20%, 16V EL	
C...	25	59.05.0105	1 uF	10%, 50V PETP	
C...	26	59.05.0102	1 nF	10%, 63V PETP	
C...	27	59.05.0105	1 uF	10%, 50V PETP	
C...	28	59.05.0105	1 uF	10%, 50V PETP	
C...	29	59.05.0105	1 uF	10%, 50V PETP	
C...	30	59.05.0102	1 nF	10%, 63V PETP	
C...	31	59.05.0222	2.2 nF	10%, 63V PETP	
C...	32	59.05.0104	100 nF	10%, 63V PETP	
C...	33	59.05.0104	100 nF	10%, 63V PETP	
C...	34	59.05.0102	1 nF	10%, 63V PETP	
C...	35	59.05.0102	1 nF	10%, 63V PETP	
C...	36	59.05.0246	68 nF	20%, 63V CER	
C...	37	59.05.0246	68 nF	20%, 63V CER	

STUDER (00) 90/03/05 AST STABILIZER +15V, -15V, PL 1.820.873.82 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D...	1	50.04.0517	BV 32-200		Ph, Mot
D...	2	50.04.0517	BV 32-200		Ph, Mot
D...	3	50.04.0522	BV72-100	BV4999-100	Ther, Mot
D...	4	50.04.0522	BV72-100	BV4999-100	Ther, Mot
D...	5	50.04.0517	BV 32-200		Ph, Mot
D...	6	50.04.0138	UF 4004	BYR 01-400	
D...	7	50.04.0138	UF 4004	BYR 01-400	
D...	8	50.04.0125	1 x 4449		
D...	9	50.04.0125	1 x 4449		
DL...	1	50.04.3220	CR17-2		St
DL...	2	50.04.3199	MCC 3021		Mot
F...	1	51.01.0125	Fuse 6.3A		Usv,SSS
IC...	1	50.10.0114	IP 9842M		Usv,SSS
IC...	2	50.05.0233	LM 393		Not Only
IC...	3	50.07.1046	MC 4046BE		Mot, TI
IC...	4	50.10.0196	TL 431 CL F		Mot, TI
IC...	5	50.10.0196	TL 431 CL F		Mot, TI
IC...	6	50.10.0196	TL 431 CL F		Mot, TI
J...	1	54.25.0094	4 cont.	AMP nr. 826948-3 or 826948-1	
J...	2	54.25.0098	8 cont.	AMP nr. 826948-3 or 826948-1	
L...	1	1.022.295.81		Filter coil	St
L...	2	1.022.606.30		CHORE +15V/-15V	St
L...	3	1.022.295.81		Filter coil	St
L...	4	1.022.295.81		Filter coil	St
L...	5			not used	
F...	1	54.14.2011	10 cont.	see note 1	
I...	1	50.03.1612	18F P250		IR
I...	2	50.03.1612	18F P250		IR
I...	3	50.03.1612	18F P250		IR
I...	4	50.03.0451	BD 139		any

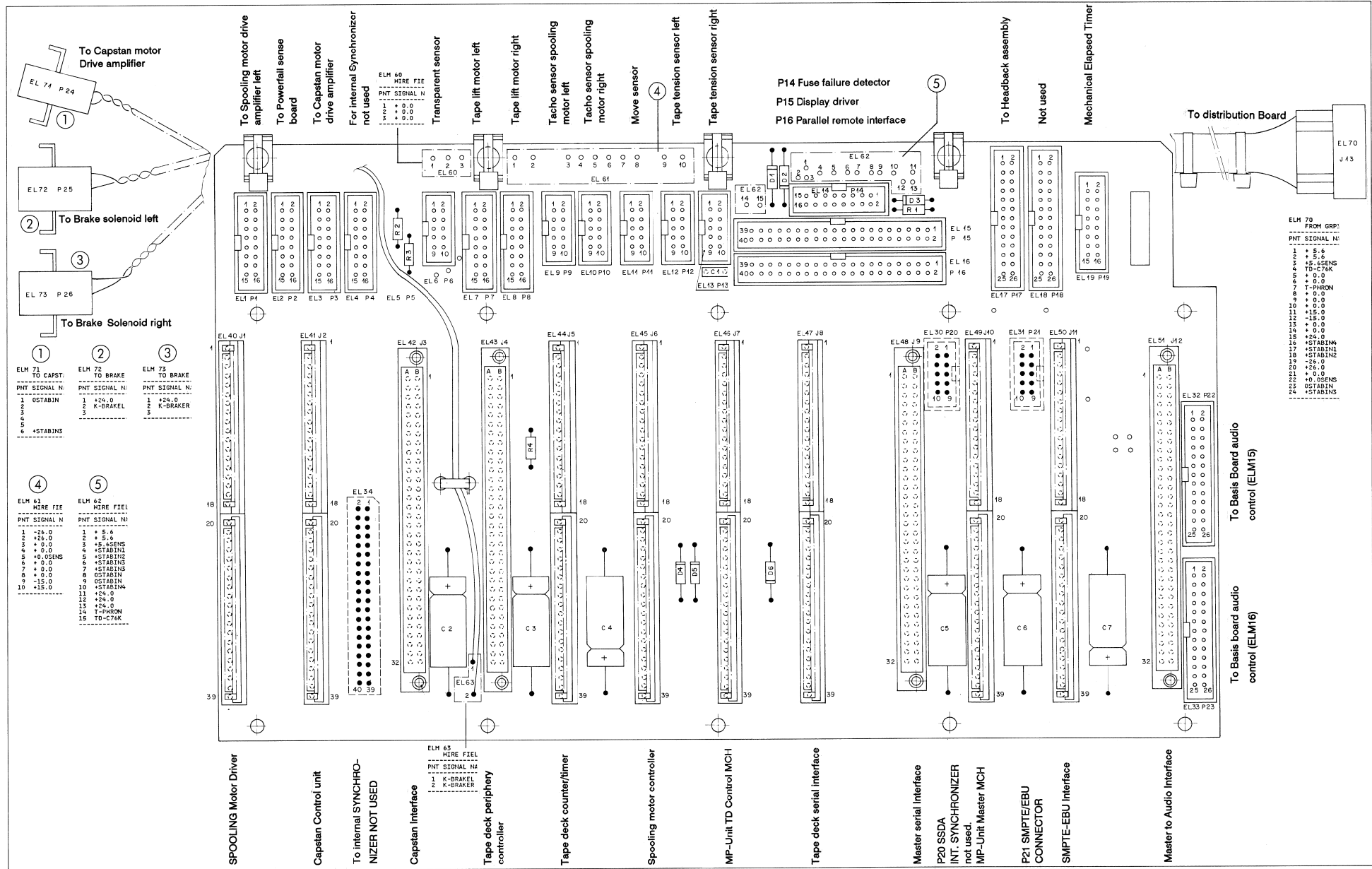
STUDER (00) 90/03/05 AST STABILIZER +15V, -15V, PL 1.820.873.82 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1	-	-	-	Connector, 10 contacts: Yamaichi nr. FAF-10-08-40 SS	
				Barody nr. 278 9 x 10 B 50 GS	
				3M nr. 7610-6002 VZ	
Note 2	-	-	-	Potentiometer, 5 kOhm: Bourne nr. 3386 P-1-502	
				A. Huxley nr. 2 x 9 502	
				Spentrol nr. 63 M 502 T O10	
				Muratec nr. POT 3104 P-1-502	
Note 3	-	-	-	Potentiometer, 200 Ohm: Bourne nr. 3386 P-1-201	
				A. Huxley nr. 2 x 9 201	
				Spentrol nr. 63 M 201 T O10	
				Muratec nr. POT 3104 P-1-201	
MANUFACTURER: Fo=Fairchild, IT=Intermetall, IR=International Rectifier, Mo=Motorola, MS=National Semiconductor, Ph=Philips, RCA=RCA Corp. of America, See=Seacore, SSS=SSS/Atco, Si=Siemens, Sil=Siliconix, Siv=Siemens, T=Telefunken, Tho=Thomson CSF, TI=Texas Instruments, To=Toyota, O=General Instruments/Univis/Intrad.					
ORIG	90/03/05				

STUDER (00) 90/03/05 AST STABILIZER +15V, -15V, PL 1.820.873.82 PAGE 5

* .83- new PCB Layout 1.820.873.13

BASIS BOARD TAPE DECK MCH 1.820.704.81



BASIS BOARD TAPE DECK MCH 1.820.704.81

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.06.0683	68 nF	20%, PETP							
C.....2		59.25.1102	1000 uF	-10%, 6.3V, E1							
C.....3		59.25.3471	470 uF	-10%, 16V, E1							
C.....4		59.25.3471	470 uF	-10%, 16V, E1							
C.....5		59.25.3471	470 uF	-10%, 16V, E1							
C.....6		59.25.3471	470 uF	-10%, 16V, E1							
C.....7		59.25.3471	470 uF	-10%, 16V, E1							
D.....1		50.04.0122	1N 4001	...1N 4004	ITT, Mot						
D.....2		50.04.0122	1N 4001	...1N 4004	ITT, Mot						
D.....3		50.04.0125	1N 444B	...1N 4004	Fc, ITT, Ph, Ses, TF						
D.....4		50.04.0122	1N 4001	...1N 4004	ITT, Mot						
D.....5		50.04.1503	7.5 V Z	BZX 85 C 7V5	See						
D.....6		50.04.0122	1N 4001	...1N 4004	ITT, Mot						
J.....1				18 + 20 contacts, see note 1							
J.....2				18 + 20 contacts, see note 1							
J.....3				2 * 32 contacts, see note 2							
J.....4				2 * 32 contacts, see note 2							
J.....5				18 + 20 contacts, see note 1							
J.....6				18 + 20 contacts, see note 1							
J.....7				18 + 20 contacts, see note 1							
J.....8				18 + 20 contacts, see note 1							
J.....9				2 * 32 contacts, see note 2							
J.....10				18 + 20 contacts, see note 1							
J.....11				18 + 20 contacts, see note 1							
J.....12				2 * 32 contacts, see note 2							
J.....13				24 contacts, see note 3							
P.....1				16 contacts, see note 4							
P.....2				16 contacts, see note 4							
P.....3				16 contacts, see note 4							
P.....4				10 contacts, see note 4							
P.....5			not used								
P.....6				10 contacts, see note 5							
P.....7				16 contacts, see note 4							
P.....8				16 contacts, see note 4							

S T U D E R (01) 89/01/13 BD BASIS BOARD TAPE DECK MCH PL 1.820.704.81 PAGE 1 S T U D E R (01) 89/01/13 BD BASIS BOARD TAPE DECK MCH PL 1.820.704.81 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
P.....9				10 contacts, see note 5							
P.....10				10 contacts, see note 5							
P.....11				10 contacts, see note 5							
P.....12				10 contacts, see note 5							
P.....13				10 contacts, see note 5							
P.....14				16 contacts, see note 4							
P.....15				40 contacts, see note 6							
P.....16				40 contacts, see note 6							
P.....17				26 contacts, see note 7							
P.....18				26 contacts, see note 7							
P.....19				16 contacts, see note 4							
P.....20				10 contacts, see note 5							
P.....21				10 contacts, see note 5							
P.....22				26 contacts, see note 7							
P.....23				26 contacts, see note 7							
P.....24				6 contacts, see note 8							
P.....25				3 contacts, see note 9							
P.....26				3 contacts, see note 9							
R.....1		57.11.4332	3.3 kOhm								
R.....2		57.11.4199	1.0 kOhm								
R.....3		57.11.4273	27 kOhm								
R.....4		57.11.4332	3.3 kOhm								
(00) R.....5		57.11.4000	0 Ohm								
(00) R.....6		57.11.4000	not used								
(01) R.....6		57.11.4000	not used								
(00) R.....7		57.11.4000	0 Ohm								
(01) R.....7		57.11.4000	not used								
(00) R.....8		57.11.4000	0 Ohm								
(01) R.....8		57.11.4000	not used								
(00) R.....9		57.11.4000	0 Ohm								
(01) R.....9		57.11.4000	not used								
(00) R.....10		57.11.4000	0 Ohm								
(01) R.....10		57.11.4000	not used								
(00) R.....11		57.11.4000	0 Ohm								
(01) R.....11		57.11.4000	not used								

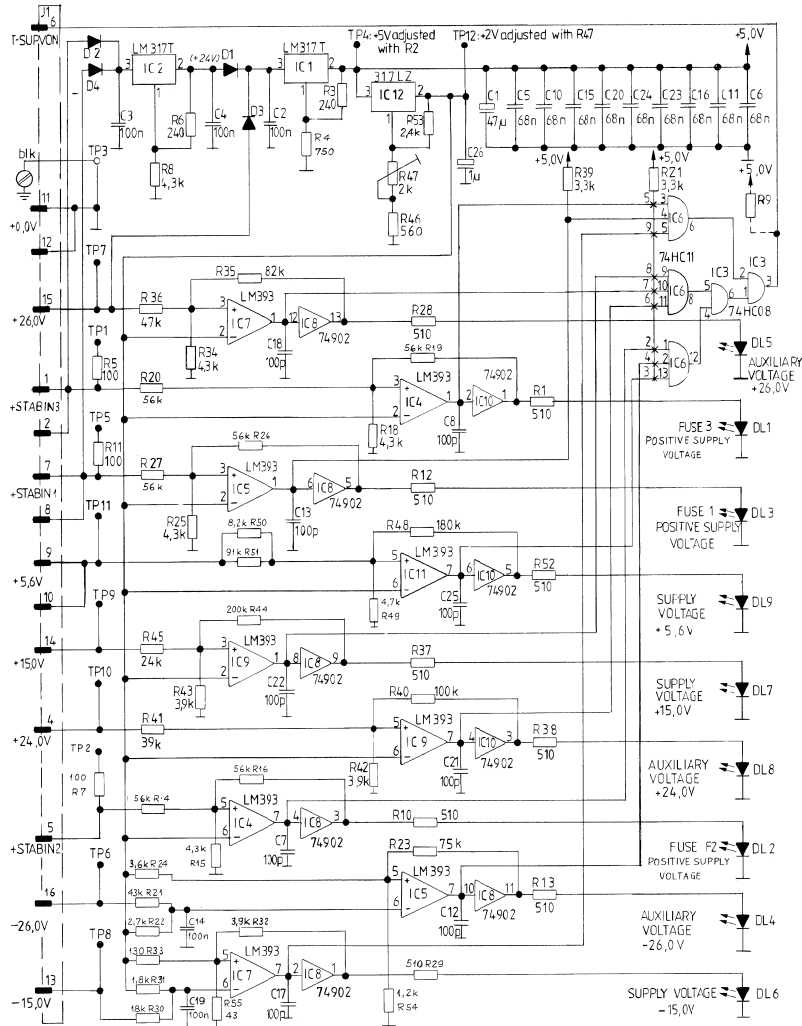
S T U D E R (01) 89/01/13 BD BASIS BOARD TAPE DECK MCH PL 1.820.704.81 PAGE 2 S T U D E R (01) 89/01/13 BD BASIS BOARD TAPE DECK MCH PL 1.820.704.81 PAGE 5

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(00) R.....12		57.11.4000	0 Ohm		
(01) R.....12		57.11.4000	not used		

S T U D E R (01) 89/01/13 BD BASIS BOARD TAPE DECK MCH PL 1.820.704.81 PAGE 3

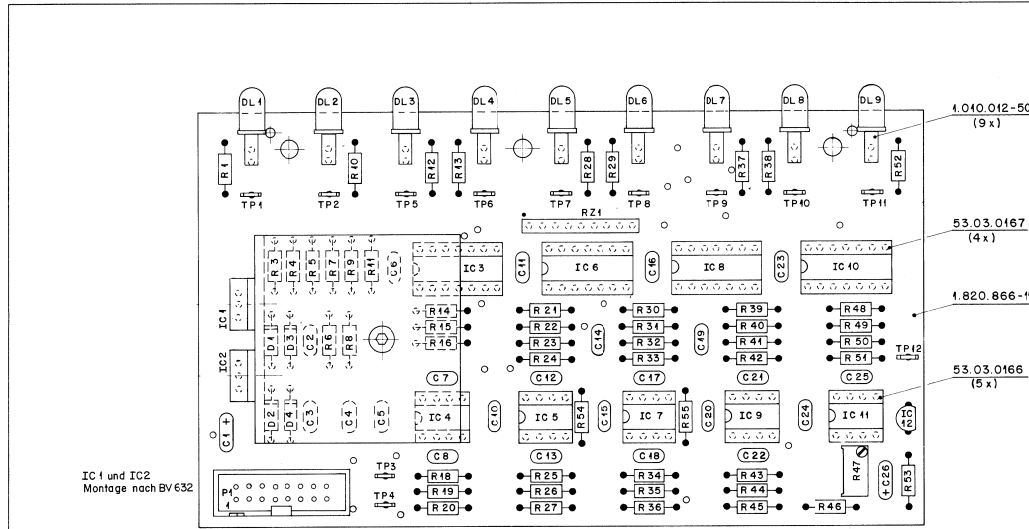


FUSE SUPPLY FAILURE DETECTOR 1.820.866.00



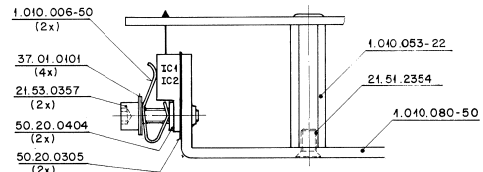
①	7, 10, 85 Buchseger	○ . . ○ . . ○ . . ○ . .	○ . . ○ . .
A 820		PAGE 4 OF 4	
STUDER	Fuse /Supply Failure Detector	SC	1.820.866.00

FUSE SUPPLY FAILURE DETECTOR 1.820.866.00



IC1 und IC2
Montage nach BV32

① Etiketten 1.820.866-01 und 43.01.0108
nach Muster aufkleben.



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
011	R...16	57.11.3563	56 kOhm	2X	
	R...17		not used		
	R...18	57.11.3432	4,3 kOhm	2X	
000	R...19	57.11.3913	91 kOhm	2X	
011	R...20	57.11.3563	56 kOhm	2X	
000	R...21	57.11.3623	62 kOhm	2X	
011	R...22	57.11.3563	56 kOhm	2X	
	R...23	57.11.3432	4,3 kOhm	2X	
	R...24	57.11.3563	56 kOhm	2X	
	R...25	57.11.3432	4,3 kOhm	2X	
000	R...26	57.11.3913	91 kOhm	2X	
011	R...27	57.11.3563	56 kOhm	2X	
000	R...28	57.11.3623	62 kOhm	2X	
011	R...29	57.11.3563	56 kOhm	2X	
	R...30	57.11.3511	510 Ohm	2X	
	R...31	57.11.3511	510 Ohm	2X	
	R...32	57.11.3511	510 Ohm	2X	
000	R...33	57.11.3511	510 Ohm	2X	
011	R...34	57.11.3511	510 Ohm	2X	
	R...35	57.11.3511	510 Ohm	2X	
	R...36	57.11.3511	510 Ohm	2X	
	R...37	57.11.3511	510 Ohm	2X	
	R...38	57.11.3511	510 Ohm	2X	
	R...39	57.11.3511	510 Ohm	2X	
000	R...40	57.11.3511	510 Ohm	2X	
011	R...41	57.11.3511	510 Ohm	2X	
	R...42	57.11.3511	510 Ohm	2X	
	R...43	57.11.3511	510 Ohm	2X	
	R...44	57.11.3511	510 Ohm	2X	
	R...45	57.11.3511	510 Ohm	2X	

S T U D E R (01) 86/12/15 BD FUSE/SUPPLY FAILURE DETECTOR PL 1.820.866.00 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R...46	57.11.4561	260 Ohm	2X	
	R...47	58.02.1202	2 kOhm	see note 2	
000	R...48	57.11.3184	180 kOhm	1X	
011	R...49	57.11.3432	4,3 kOhm	1X	
000	R...50	57.11.3323	33 kOhm	1X	
011	R...51	57.11.3922	39 kOhm	1X	
000	R...52	57.11.3511	510 Ohm	1X	
011	R...53	57.11.3913	91 kOhm	1X	
	R...54	57.11.3122	11,2 kOhm	1X	
	R...55	57.11.3430	43 Ohm	1X	
	RZ...1	57.98.4332		see note 3	
	TE...1	54.02.0320		Testpoint	
	TE...2	54.02.0320		Testpoint	
	TE...3	54.02.0320		Testpoint	
	TE...4	54.02.0320		Testpoint	
	TE...5	54.02.0320		Testpoint	
	TE...6	54.02.0320		Testpoint	
	TE...7	54.02.0320		Testpoint	
	TE...8	54.02.0320		Testpoint	
	TE...9	54.02.0320		Testpoint	
	TE...10	54.02.0320		Testpoint	
	TE...11	54.02.0320		Testpoint	
	TE...12	54.02.0320		Testpoint	

S T U D E R (01) 86/12/15 BD FUSE/SUPPLY FAILURE DETECTOR PL 1.820.866.00 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...1	59.06.0470	47 nF	20% 6,3 V, Sal	Ph,Ri	
C...2	59.06.0104	100 nF	10%	FETP	
C...3	59.06.0104	100 nF	10%	FETP	
C...4	59.06.0104	100 nF	10%	FETP	
C...5	59.06.0683	68 nF	20%	FETP	
C...6	59.06.0683	68 nF	20%	FETP	
C...7	59.34.4101	100 pF	10%	Cec	
C...8	59.34.4101	100 pF	10%	Cec	
C...9	59.06.0683	68 nF	20%	FETP	
C...10	59.06.0683	68 nF	20%	FETP	
C...11	59.34.4101	100 pF	10%	Cec	
C...12	59.34.4101	100 pF	10%	Cec	
C...13	59.34.4101	100 pF	10%	Cec	
C...14	59.06.0104	100 nF	10%	FETP	
C...15	59.06.0683	68 nF	20%	FETP	
C...16	59.06.0683	68 nF	20%	FETP	
C...17	59.34.4101	100 pF	10%	Cec	
C...18	59.34.4101	100 pF	10%	Cec	
C...19	59.06.0104	100 nF	10%	FETP	
C...20	59.06.0683	68 nF	20%	FETP	
C...21	59.34.4101	100 pF	10%	Cec	
C...22	59.34.4101	100 pF	10%	Cec	
C...23	59.06.0683	68 nF	20%	FETP	
C...24	59.06.0683	68 nF	20%	FETP	
C...25	59.34.4101	100 pF	10%	Cec	
C...26	59.20.9109	1 uF	20% 6,3 V, Sal	Ph,Ri	
D...1	50.04.0122	1R 4001	... 1R 4004	G1,Met	
D...2	50.04.0122	1R 4001	... 1R 4004	G1,Met	
D...3	50.04.0122	1R 4001	... 1R 4004	G1,Met	
D...4	50.04.0122	1R 4001	... 1R 4004	G1,Met	
DL...1	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	
DL...2	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	(00)
DL...3	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	(01)
DL...4	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	(02)
DL...5	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	(00)

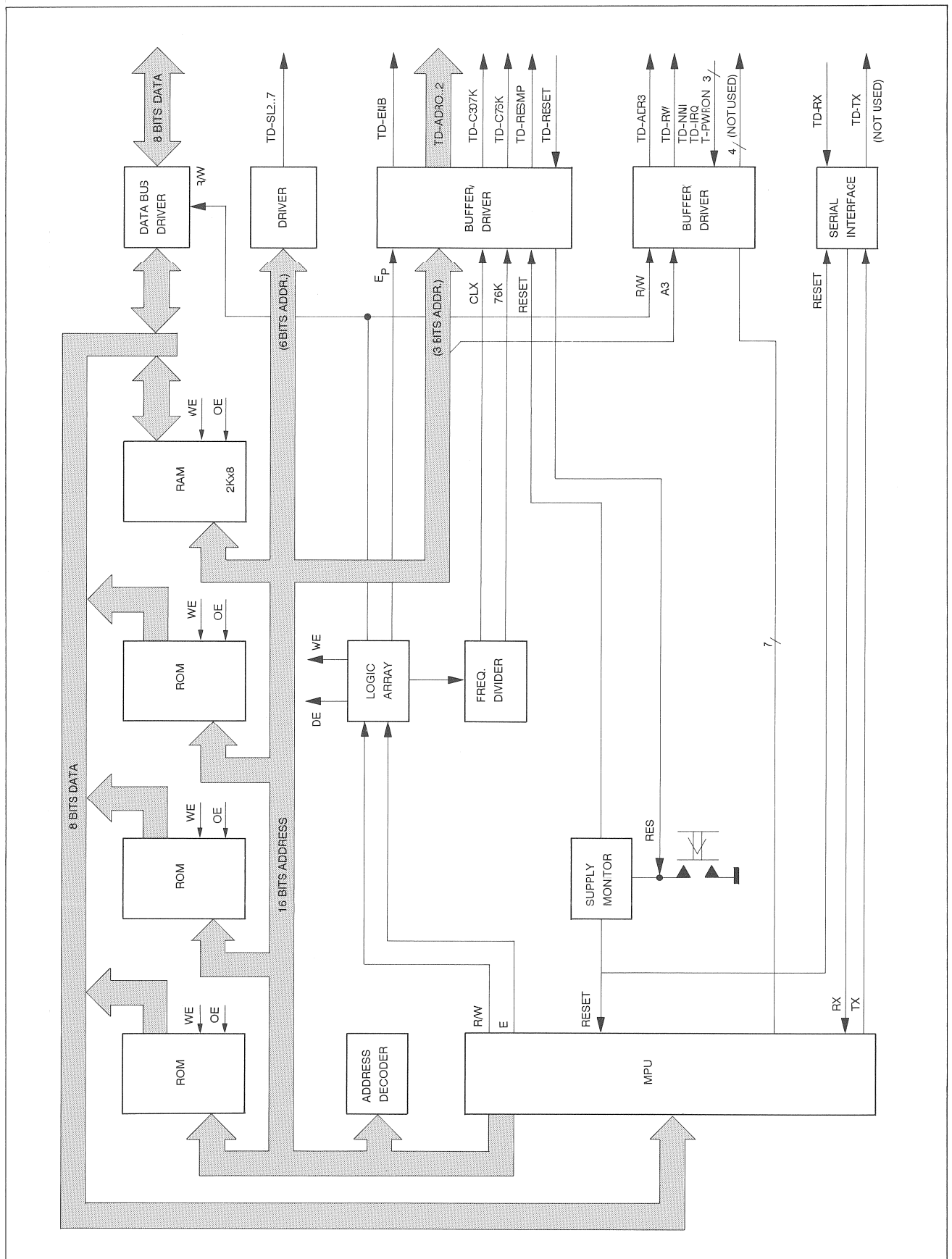
S T U D E R (01) 86/12/15 BD FUSE/SUPPLY FAILURE DETECTOR PL 1.820.866.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
DL...6	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	
DL...7	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	
DL...8	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	
DL...9	50.04.2113	MV 5453	CN 4-384 B, HLMF-3507	Me,CN,HP	
IC...1	50.10.0104	LM 317 T	... IC, ... SF	RS,Me,SSS,Tho,TT	
IC...2	50.10.0104	LM 317 T	... IC, ... SF	RS,Me,SSS,Tho,TT	
IC...3	50.17.1008	74 HC 08		Ph,Me,RS,RCA,To,TT	
IC...4	50.05.0289	LM 393 M	LM 393 P	TI,RS	
IC...5	50.05.0289	LM 393 M	LM 393 P	Ph,Me,RS,RCA,To,TT	
IC...6	50.17.1011	74 HC 11		TI,RS	
IC...7	50.05.0289	LM 393 M	LM 393 P	TI,RS	
IC...8	50.07.0902	74 C932 M		RS	
IC...9	50.05.0289	LM 393 M	LM 393 P	TI,RS	
IC...10	50.07.0902	74 C932 M		RS	
IC...11	50.05.0289	LM 393 M	LM 393 P	TI,RS	
IC...12	50.10.0108	LM 317 L2		RS,Me	
F...1	54.11.2002		see note 1		
R...1	57.11.3511	510 Ohm	2X		
R...2	57.11.3241	not used			
R...3	57.11.3241	240 Ohm	2X		
R...4	57.11.3751	750 Ohm	2X		
R...5	57.19.0101	100 Ohm	10X		
R...6	57.11.3241	240 Ohm	2X		
R...7	57.19.0101	100 Ohm	10X		
R...8	57.11.3432	4,3 kOhm	2X		
R...9		not used			
R...10	57.11.3511	510 Ohm	2X		
R...11	57.19.0101	100 Ohm	10X		
R...12	57.11.3511	510 Ohm	2X		
R...13	57.11.3511	510 Ohm	2X		
R...14	57.11.3511	510 Ohm	2X		
R...15	57.11.3511	510 Ohm	2X		
R...16	57.11.3511	510 Ohm	2X		
R...17	57.11.3511	510 Ohm	2X		
R...18	57.11.3511	510 Ohm	2X		
R...19	57.11.3511	510 Ohm	2X		
R...20	57.11.3511	510 Ohm	2X		
R...21	57.11.3511	510 Ohm	2X		
R...22	57.11.3511	510 Ohm	2X		
R...23	57.11.3511	510 Ohm	2X		
R...24	57.11.3511	510 Ohm	2X		
R...25	57.11.3511	510 Ohm	2X		
R...26	57.11.3511	510 Ohm	2X		
R...27	57.11.3511	510 Ohm	2X		

S T U D E R (01) 86/12/15 BD FUSE/SUPPLY FAILURE DETECTOR PL 1.820.866.00 PAGE 2

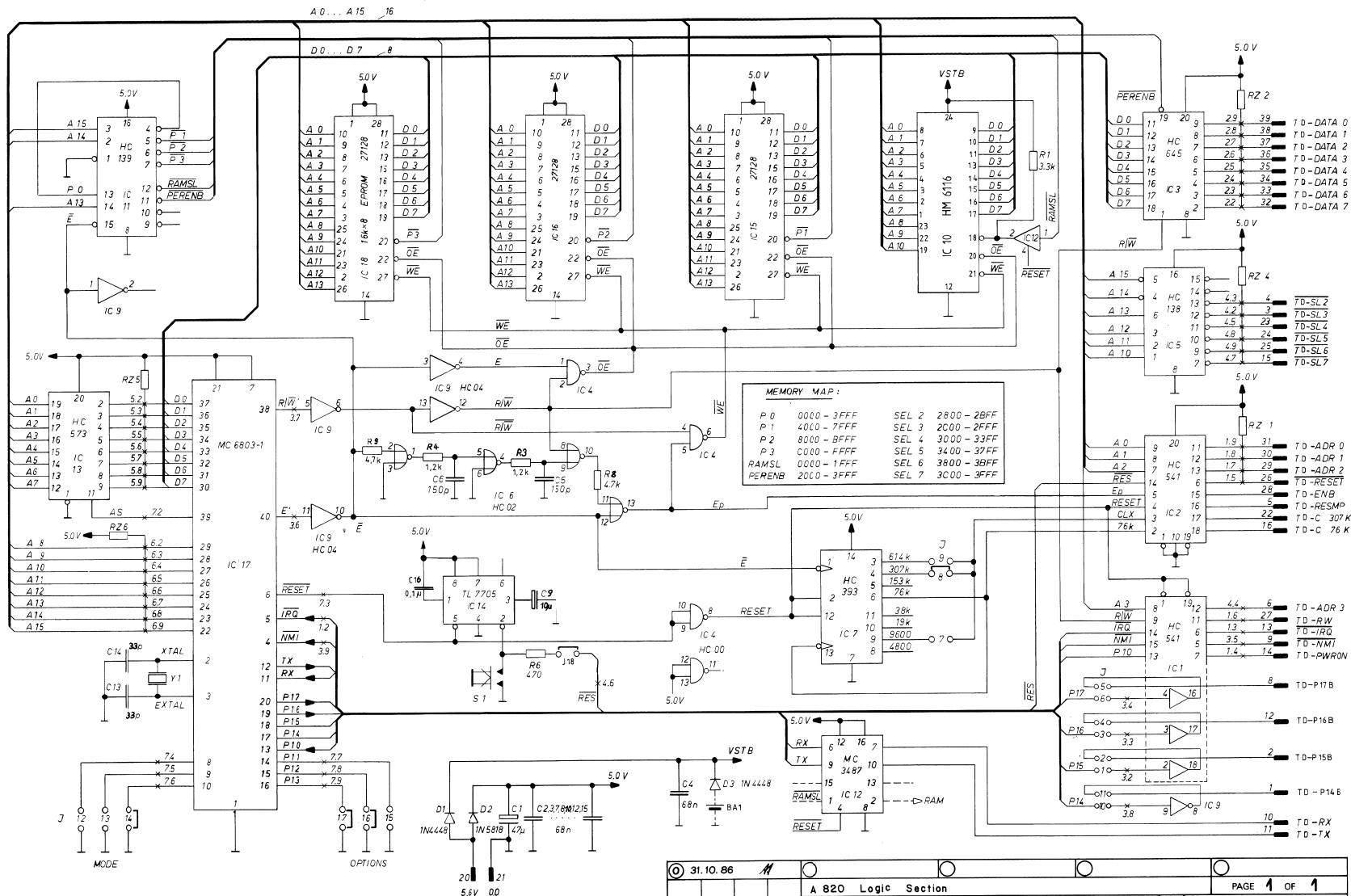
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC10	57.11.3511	510 Ohm	2X		
IC11	57.11.3511	510 Ohm	2X		
IC12	57.11.3511	510 Ohm	2X		
IC13	57.11.3511	510 Ohm	2X		
IC14	57.11.3511	510 Ohm	2X		
IC15	57.11.3511	510 Ohm	2X		
IC16	57.11.3511	510 Ohm	2X		
IC17	57.11.3511	510 Ohm	2X		
IC18	57.11.3511	510 Ohm	2X		
IC19	57.11.3511	510 Ohm	2X		
IC20	57.11.3511	510 Ohm	2X		
IC21	57.11.3511	510 Ohm	2X		
IC22	57.11.3511	510 Ohm	2X		
IC23	57.11.3511	510 Ohm	2X		
IC24	57.11.3511	510 Ohm	2X		
IC25	57.11.3511	510 Ohm	2X		
IC26	57.11.3511	510 Ohm	2X		
IC27	57.11.3511	510 Ohm	2X		
IC28	57.11.3511	510 Ohm	2X		
IC29	57.11.3511	510 Ohm	2X		
IC30	57.11.3511	510 Ohm	2X		
IC31	57.11.3511	510 Ohm	2X		
IC32	57.11.3511	510 Ohm	2X		
IC33	57.11.3511	510 Ohm	2X		
IC34	57.11.3511	510 Ohm	2X		
IC35	57.11.3511	510 Ohm	2X		
IC36	57.11.3511	510 Ohm	2X		
IC37	57.11.3511	510 Ohm	2X		
IC38	57.11.3511	510 Ohm	2X		
IC39	57.11.3511	510 Ohm	2X		
IC40	57.11.3511	510 Ohm	2X		
IC41	57.11.3511	510 Ohm	2X		
IC42	57.11.3511	510 Ohm	2X		
IC43	57.11.3511	510 Ohm	2X		
IC44	57.11.3511	510 Ohm	2X		
IC45	57.11.3511	510 Ohm	2X		
IC46	57.11.3511	510 Ohm	2X		
IC47	57.11.3511	510 Ohm	2X		
IC48	57.11.3511	510 Ohm	2X		
IC49	57.11.3511	510 Ohm	2X		
IC50	57.11.3511	510 Ohm	2X		

BLOCK DIAGRAM
MP UNIT TAPE DECK CONTROL 1.820.781



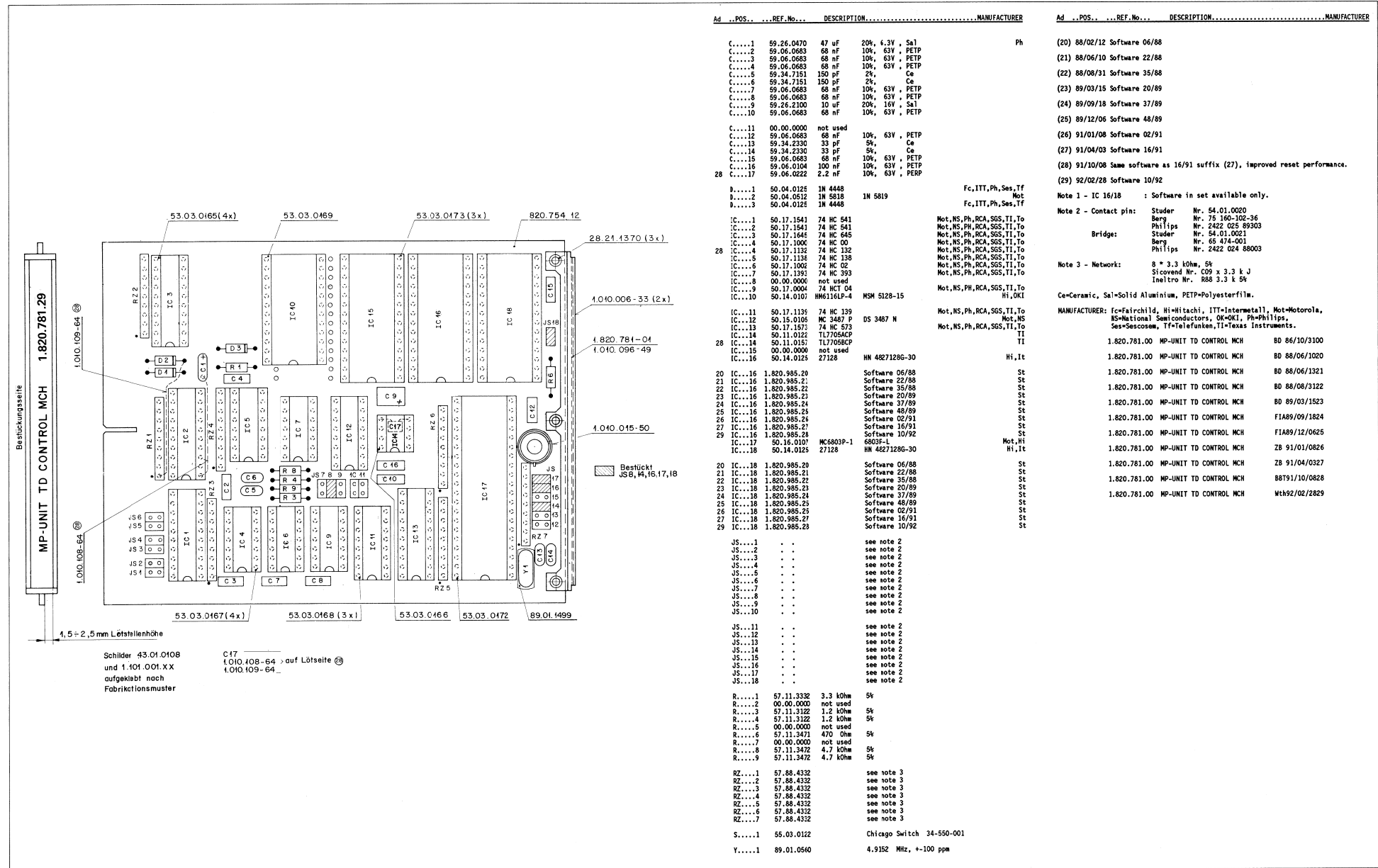


MP UNIT TAPE DECK CONTROL MCH 1.820.781.29

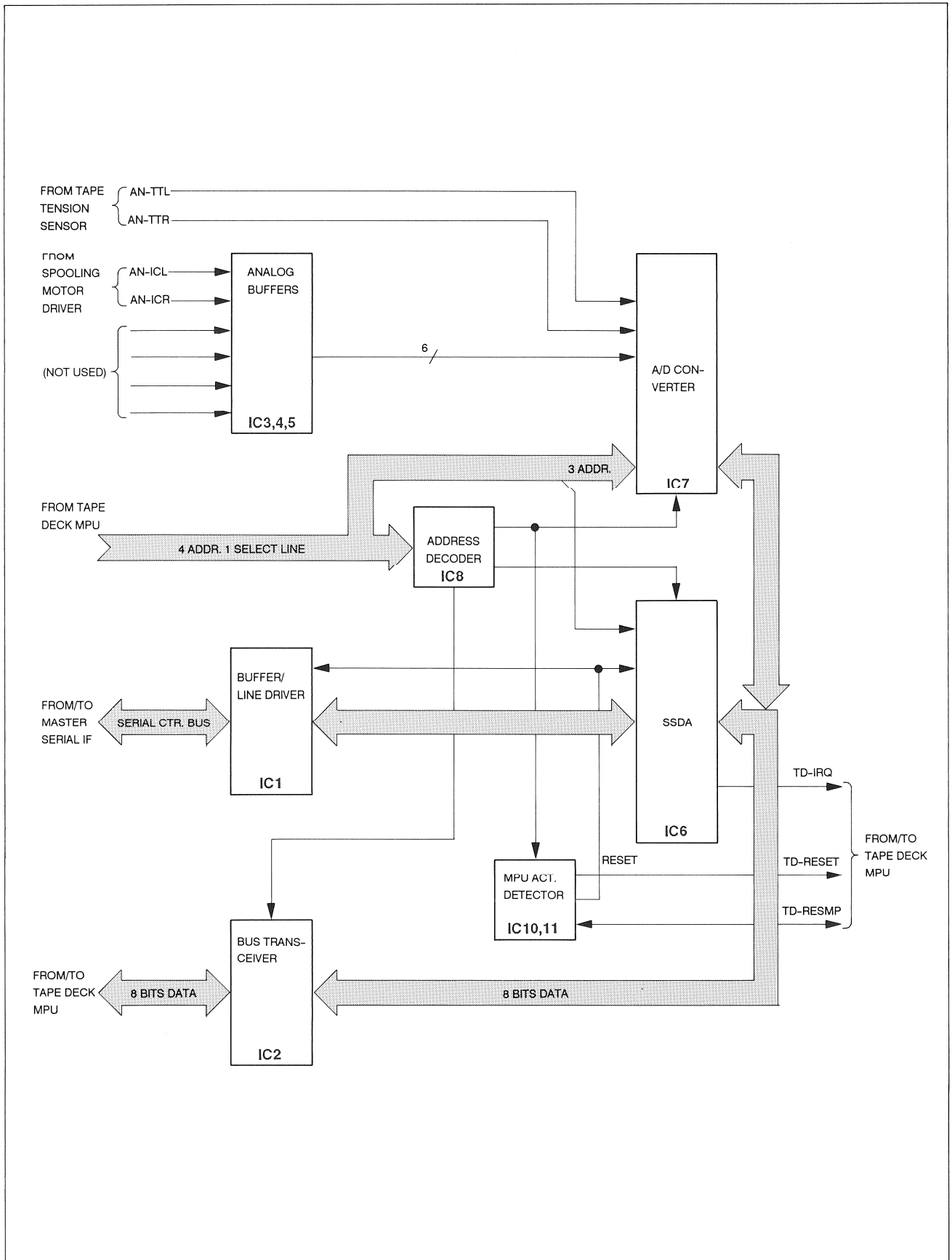




MP UNIT TAPE DECK CONTROL MCH 1.820.781.29

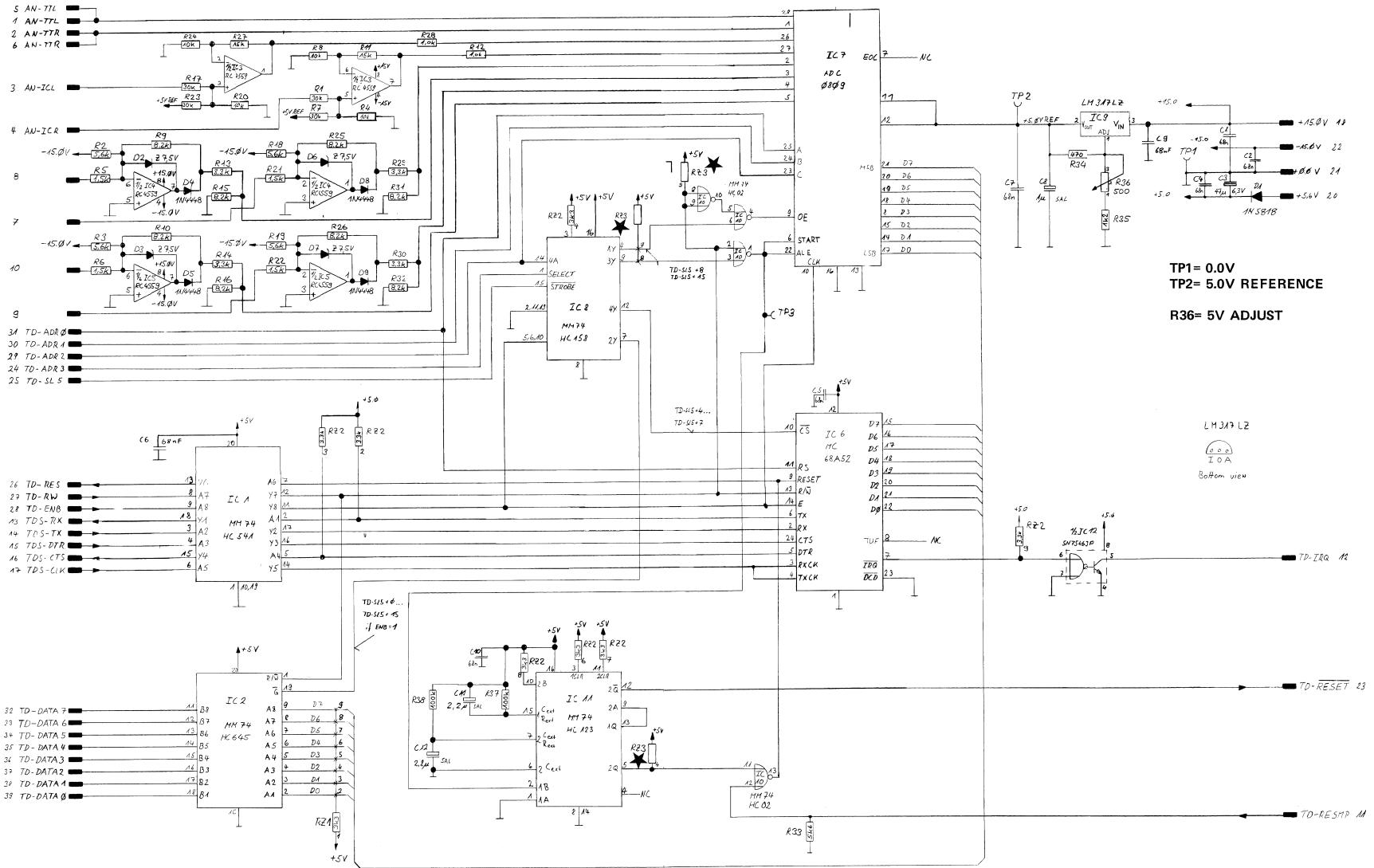


BLOCK DIAGRAM
TAPE DECK SERIAL INTERFACE 1.820.763





TAPE DECK SERIAL INTERFACE 1.820.763.82

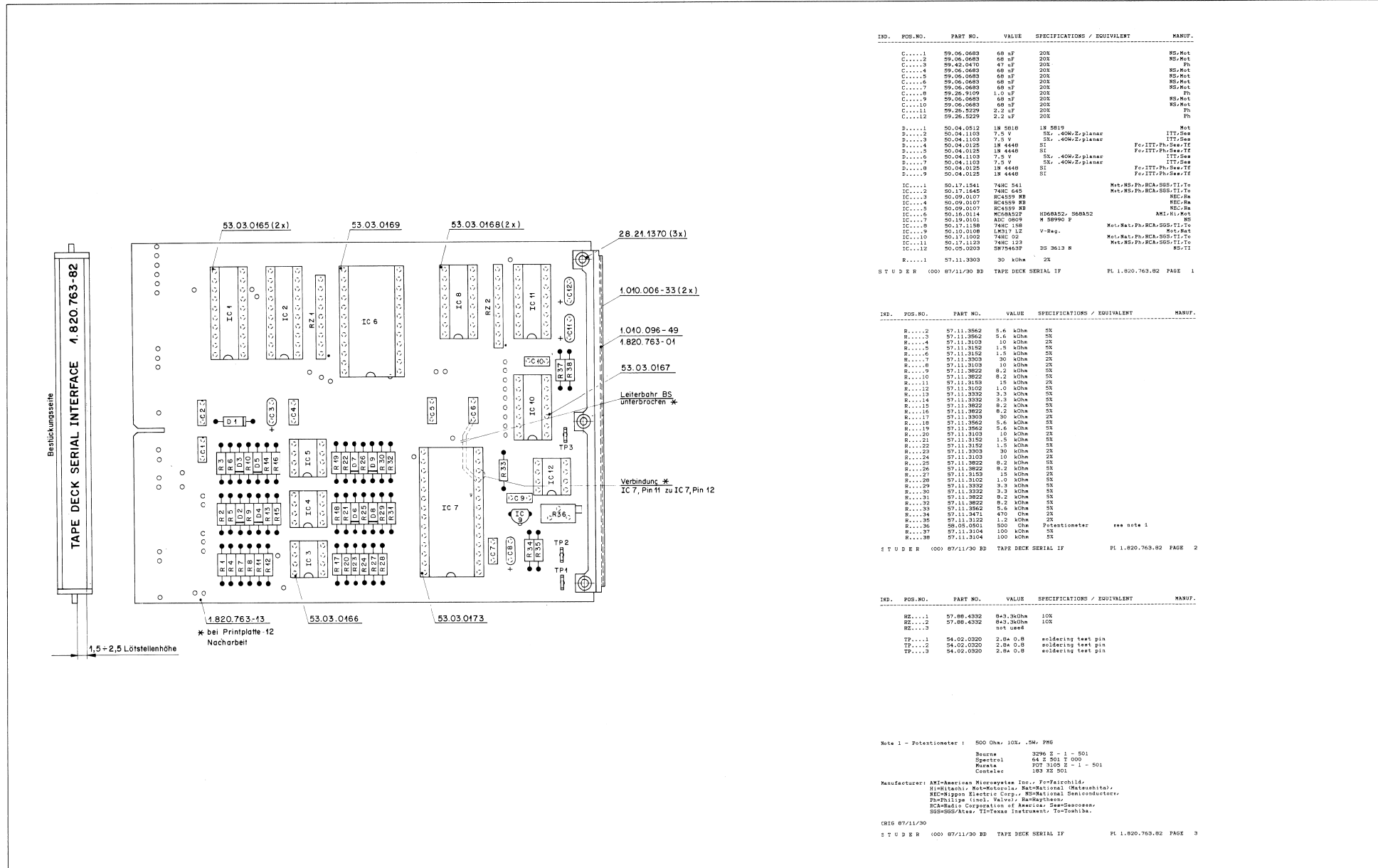


★ RZ3 NOT USED

30.11.87 IVA	A 820 Logic Section		
STUDER	Tape Deck Serial Interface	ESE/SC 1.820.763.82	PAGE 1 OF 1



TAPE DECK SERIAL INTERFACE 1.820.763.82



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.06.0683	68 nF	20X	RS/Met
C....2		59.06.0683	68 nF	20X	RS/Met
C....3		59.42.0410	47 nF	20X	Ph
C....4		59.06.0683	68 nF	20X	RS/Met
C....5		59.06.0683	68 nF	20X	RS/Met
C....6		59.06.0683	68 nF	20X	RS/Met
C....7		59.06.0683	68 nF	20X	RS/Met
C....8		59.26.9199	1,0 uF	20X	Ph
C....9		59.06.0683	68 nF	20X	RS/Met
C....10		59.06.0683	68 nF	20X	RS/Met
C....11		59.26.5229	2,2 uF	20X	Ph
C....12		59.26.5229	2,2 uF	20X	Ph
D....1		50.04.0512	1N 5018	1N 5018	Met
D....2		50.04.1103	7,5 V	SK, -40W/Z-planar	ITT/Sea
D....3		50.04.1103	7,5 V	SK, -40W/Z-planar	ITT/Sea
D....4		50.04.0125	18 4440	SI	Fe/ITT/Ph/Sea/IT
D....5		50.04.0125	18 4440	SI	Fe/ITT/Ph/Sea/IT
D....6		50.04.1103	7,5 V	SK, -40W/Z-planar	ITT/Sea
D....7		50.04.1103	7,5 V	SK, -40W/Z-planar	ITT/Sea
D....8		50.04.0125	18 4440	SI	Fe/ITT/Ph/Sea/IT
D....9		50.04.0125	18 4440	SI	Fe/ITT/Ph/Sea/IT
IC....1		50.17.1541	74HC 541		Met/RS/Ph/RCA/SBS/TT/Te
IC....2		50.17.1645	74HC 645		Met/RS/Ph/RCA/SBS/TT/Te
IC....3		50.09.0107	RC4559 WB		REC/Ra
IC....4		50.09.0107	RC4559 WB		REC/Ra
IC....5		50.09.0107	RC4559 WB		REC/Ra
IC....6		50.16.0114	MC58A52P	HD68A52, S68A52	AMI/Ri/Met
IC....7		50.19.0101	AUC 0809	M 58990 F	RS
IC....8		50.17.1158	74HC 158		Met/Mat/Ph/RCA/SBS/TT/Te
IC....9		50.10.0108	LM317 L2	V-Reg.	Met/Ra
IC....10		50.17.1002	74HC 92		Met/Mat/Ph/RCA/SBS/TT/Te
IC....11		50.17.1123	74HC 123		Met/RS/Ph/RCA/SBS/TT/Te
IC....12		50.05.0203	SR75465F	DS 3613 R	RS/TT
R....1		57.11.3303	30 Kohm	2X	

S T U D E R (00) 87/11/30 BD TAPE DECK SERIAL IF PL 1.820.763.82 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....2		57.11.3562	5,6 Kohm	3X	
R....3		57.11.3562	5,6 Kohm	3X	
R....4		57.11.3103	10 Kohm	2X	
R....5		57.11.3152	1,5 Kohm	2X	
R....6		57.11.3152	1,5 Kohm	2X	
R....7		57.11.3303	30 Kohm	2X	
R....8		57.11.3103	10 Kohm	2X	
R....9		57.11.3822	8,2 Kohm	3X	
R....10		57.11.3822	8,2 Kohm	3X	
R....11		57.11.3152	1,5 Kohm	2X	
R....12		57.11.3102	1,0 Kohm	3X	
R....13		57.11.3332	3,3 Kohm	3X	
R....14		57.11.3332	3,3 Kohm	3X	
R....15		57.11.3822	8,2 Kohm	3X	
R....16		57.11.3822	8,2 Kohm	3X	
R....17		57.11.3303	30 Kohm	2X	
R....18		57.11.3562	5,6 Kohm	3X	
R....19		57.11.3562	5,6 Kohm	3X	
R....20		57.11.3103	10 Kohm	2X	
R....21		57.11.3152	1,5 Kohm	3X	
R....22		57.11.3152	1,5 Kohm	3X	
R....23		57.11.3303	30 Kohm	2X	
R....24		57.11.3103	10 Kohm	2X	
R....25		57.11.3822	8,2 Kohm	3X	
R....26		57.11.3822	8,2 Kohm	3X	
R....27		57.11.3152	1,5 Kohm	3X	
R....28		57.11.3102	1,0 Kohm	3X	
R....29		57.11.3332	3,3 Kohm	3X	
R....30		57.11.3332	3,3 Kohm	3X	
R....31		57.11.3822	8,2 Kohm	3X	
R....32		57.11.3822	8,2 Kohm	3X	
R....33		57.11.3562	5,6 Kohm	3X	
R....34		57.11.3471	470 Ohm	2X	
R....35		57.11.3122	1,2 Kohm	2X	
R....36		58.05.0301	500 Ohm	Potentiometer	see note 1
R....37		57.11.3104	100 Kohm	3X	
R....38		57.11.3104	100 Kohm	3X	

S T U D E R (00) 87/11/30 BD TAPE DECK SERIAL IF PL 1.820.763.82 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
RZ....1		57.86.4332	8*3.3Kohm	10X	
RZ....2		57.86.4332	8*3.3Kohm	10X	
RZ....3				10X	used
TP....1		54.02.0320	2.8A 0.8	welding test pin	
TP....2		54.02.0320	2.8A 0.8	welding test pin	
TP....3		54.02.0320	2.8A 0.8	welding test pin	

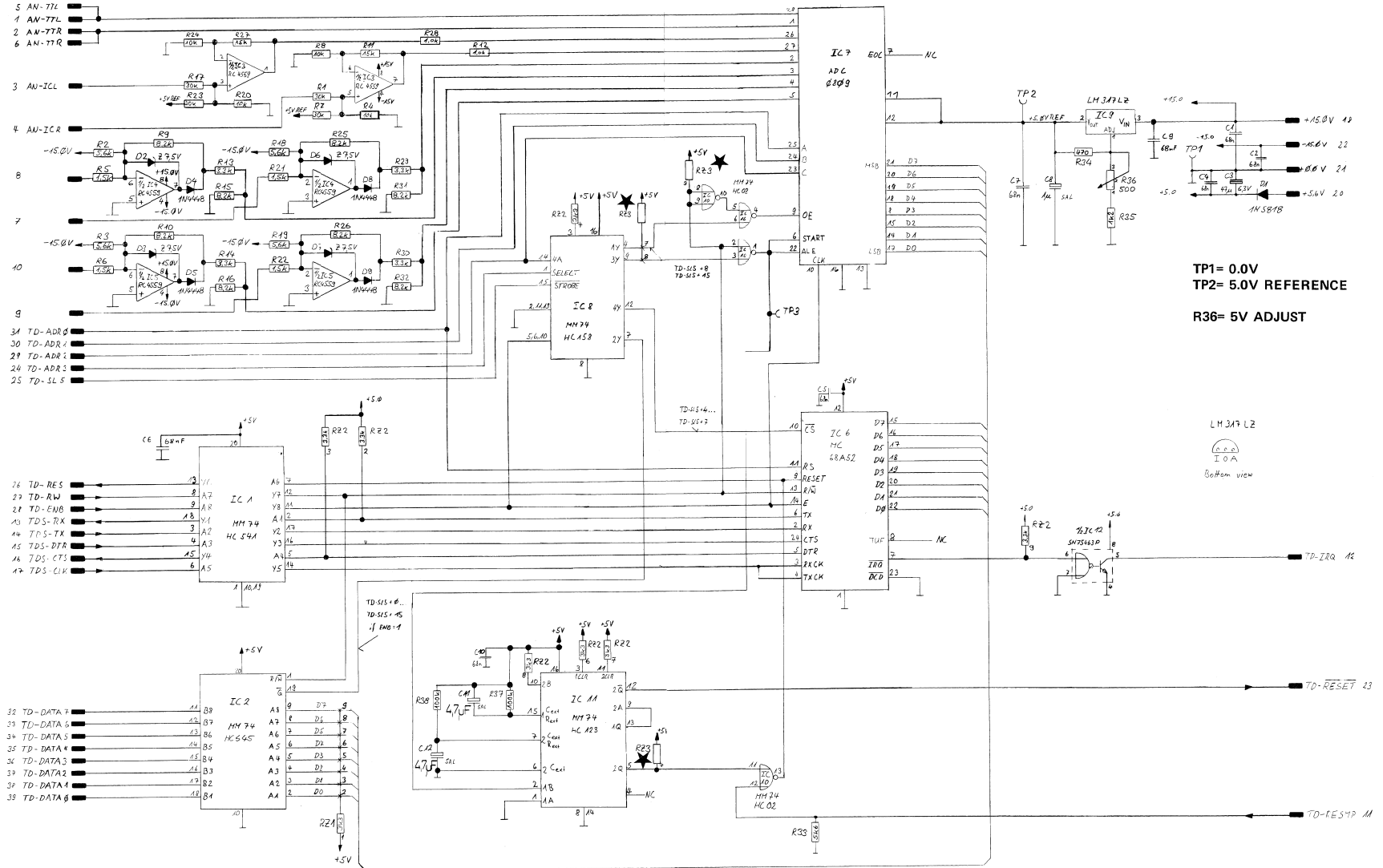
Note 1 - Potentiometer : 500 Ohm, 10%, .5W, PMS
 Bourne 3296 Z - 1 - 501
 Spectrol 64 Z 501 T 000
 Murata VOT 3100 C - 1 - 501
 Costalec 183 XZ 501

Manufacturer: AMI=American Microsystems Inc.; Fe=Fairchild;
 Hitachi=Hitachi; Met=Motorola; Met/National=Motorola/National; Matsushita;
 NEC=Nippon Electric Corp.; NS=National Semiconductor;
 Philips=Philips (incl. Valvo); Rad=Radco;
 RCA=Radio Corporation of America; Sem=Semicon;
 SBS=SBS/Alcatel; TI=Texas Instrument; Te=Tohiba.

CRIS 87/11/30
 S T U D E R (00) 87/11/30 BD TAPE DECK SERIAL IF PL 1.820.763.82 PAGE 3



TAPE DECK SERIAL INTERFACE 1.820.763.83



TP1= 0.0V
 TP2= 5.0V REFERENCE
 R36= 5V ADJUST

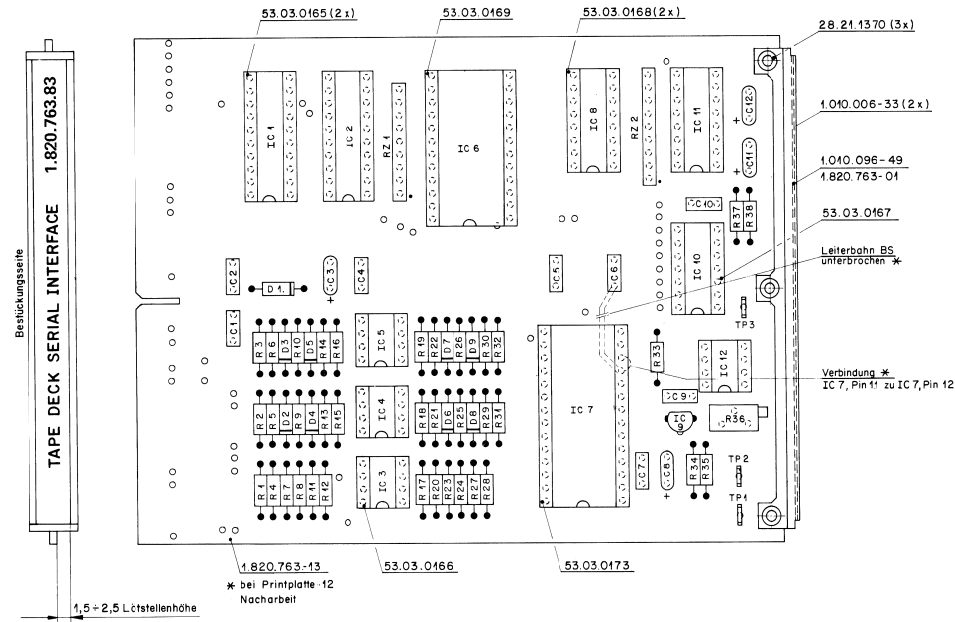
LH37L2
 I O A
 Bottom view

★ RZ3 NOT USED

30.11.87 IVA	19.09.89 HAESSIG	A 820 Logic Section	
STUDER	Tape Deck Serial Interface	ESE/SC 1.820.763.83	PAGE 1 OF 1



TAPE DECK SERIAL INTERFACE 1.820.763.83



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.06.0683	68 nF	20X	NS;Mot
C.....2		59.06.0683	68 nF	20X	NS;Mot
C.....3		59.06.0670	47 uF	20X	Ph
C.....4		59.06.0683	68 nF	20X	NS;Mot
C.....5		59.06.0683	68 nF	20X	NS;Mot
C.....6		59.06.0683	68 nF	20X	NS;Mot
C.....7		59.06.0683	68 nF	20X	NS;Mot
C.....8		59.26.9109	1.0 uF	20X	Ph
C.....9		59.06.0683	68 nF	20X	NS;Mot
C.....10		59.06.0683	68 nF	20X	NS;Mot
C.....11		59.26.1479	4.7 uF	20X	Ph
C.....12		59.26.1479	4.7 uF	20X	Ph

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....2		50.04.1103	1N 5818	1N 5819	Mot
D.....3		50.04.1103	7.5 V	5V .40M/2;planar	ITT;See
D.....4		50.04.0125	1N 4448	5V .40M/2;planar	ITT;See
D.....5		50.04.0125	1N 4448	5V .40M/2;planar	ITT;See
D.....6		50.04.1103	7.5 V	5V .40M/2;planar	ITT;See
D.....7		50.04.1103	7.5 V	5V .40M/2;planar	ITT;See
D.....8		50.04.0125	1N 4448	5V .40M/2;planar	ITT;See
D.....9		50.04.0125	1N 4448	5V .40M/2;planar	ITT;See

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC.....1		50.17.1541	74HC 541		Mot;NS;Ph;RCA;SSS;Ti;To
IC.....2		50.17.1545	74HC 645		Mot;NS;Ph;RCA;SSS;Ti;To
IC.....3		50.09.0107	RC4559 NB		NSC;Ph
IC.....4		50.09.0107	RC4559 NB		NSC;Ph
IC.....5		50.09.0107	RC4559 NB		NSC;Ph
IC.....6		50.16.0114	HC6882Z	H688A2Z, S68A2Z	AMI;Ph;Mot
IC.....7		50.19.0101	ANC 8009	N 5890 F	NS
IC.....8		50.17.1188	74HC 158		NS
IC.....9		50.10.0108	LN317 LZ	V-Reg.	Mot;Ph;RCA;SSS;Ti;To
IC.....10		50.17.1002	74HC 05		Mot;Ph;RCA;SSS;Ti;To
IC.....11		50.17.1123	74HC 123		Ph;RCA;SSS;Ti;To
IC.....12		50.05.0033	SN75463P		NS;Ti

R.....1 57.11.3303 30 kOhm 2S
 S T U D E R (00) 89/09/19 NH TAPE DECK SERIAL IF P. 1.820.763.83 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....2		57.11.3362	5.6 kOhm	5X	
R.....3		57.11.3362	5.6 kOhm	5X	
R.....4		57.11.3103	10 kOhm	2S	
R.....5		57.11.3152	1.5 kOhm	5X	
R.....6		57.11.3152	1.5 kOhm	5X	
R.....7		57.11.3303	30 kOhm	2X	
R.....8		57.11.3103	10 kOhm	2S	
R.....9		57.11.3822	8.2 kOhm	5X	
R.....10		57.11.3822	8.2 kOhm	5X	
R.....11		57.11.3153	15 kOhm	2X	
R.....12		57.11.3102	10 kOhm	5X	
R.....13		57.11.3332	3.3 kOhm	5X	
R.....14		57.11.3332	3.3 kOhm	5X	
R.....15		57.11.3822	8.2 kOhm	5X	
R.....16		57.11.3822	8.2 kOhm	5X	
R.....17		57.11.3303	30 kOhm	2X	
R.....18		57.11.3366	5.6 kOhm	5X	
R.....19		57.11.3366	5.6 kOhm	5X	
R.....20		57.11.3103	10 kOhm	2S	
R.....21		57.11.3152	1.5 kOhm	5X	
R.....22		57.11.3152	1.5 kOhm	5X	
R.....23		57.11.3303	30 kOhm	2X	
R.....24		57.11.3103	10 kOhm	2S	
R.....25		57.11.3822	8.2 kOhm	5X	
R.....26		57.11.3822	8.2 kOhm	5X	
R.....27		57.11.3153	15 kOhm	2X	
R.....28		57.11.3102	10 kOhm	5X	
R.....29		57.11.3332	3.3 kOhm	5X	
R.....30		57.11.3332	3.3 kOhm	5X	
R.....31		57.11.3822	8.2 kOhm	5X	
R.....32		57.11.3822	8.2 kOhm	5X	
R.....33		57.11.3562	5.6 kOhm	5X	
R.....34		57.11.3471	870 Ohm	2S	
R.....35		57.11.3122	1.2 kOhm	2S	
R.....36		58.05.0501	500 Ohm	Potentiometer	*** note 1
R.....37		57.11.3104	100 kOhm	5X	
R.....38		57.11.3104	100 kOhm	5X	

S T U D E R (00) 89/09/19 NH TAPE DECK SERIAL IF P. 1.820.763.83 PAGE 2

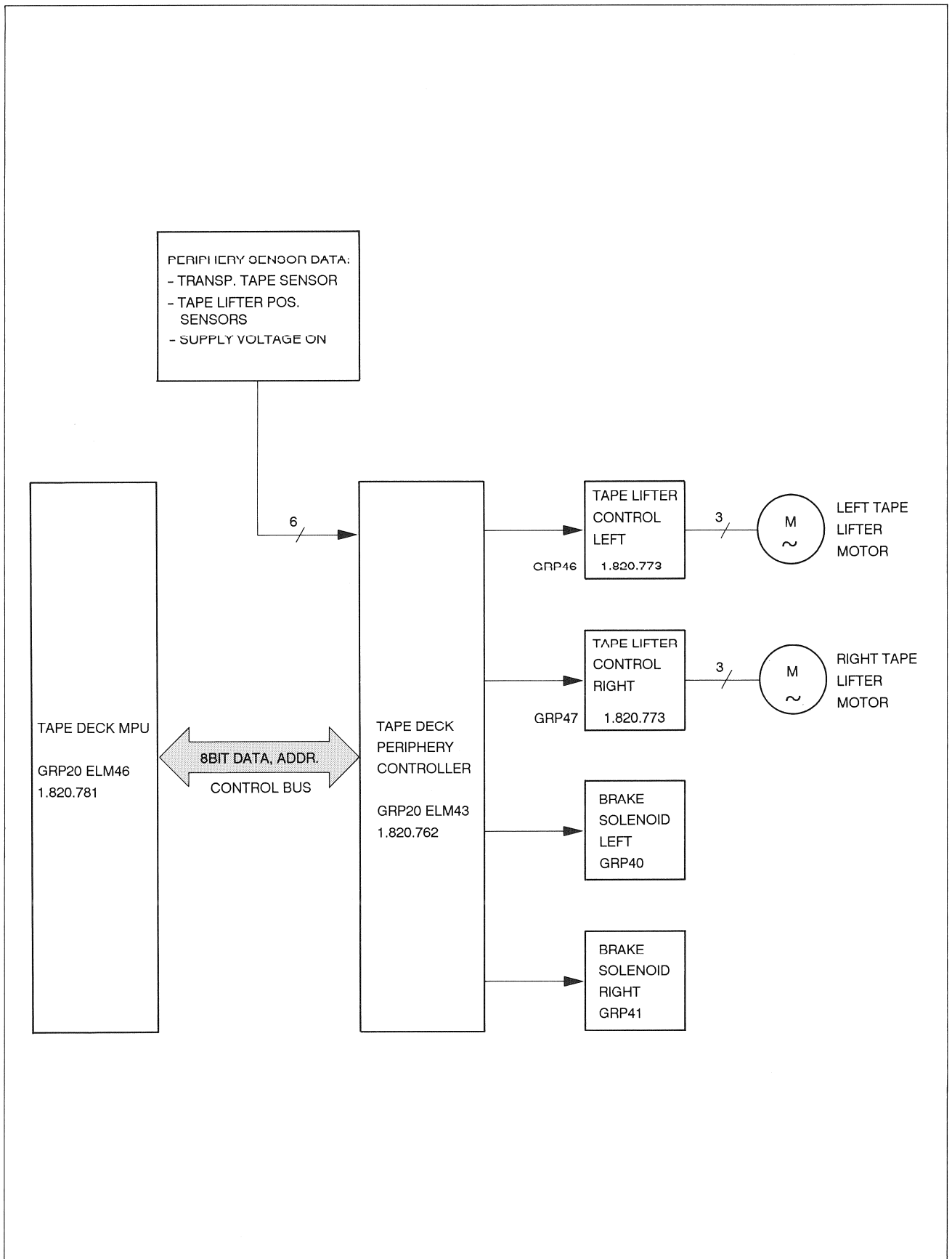
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
RZ.....1		57.88.4332	#A3.3kOhm	10X	
RZ.....2		57.88.4332	#A3.3kOhm	10X	
RZ.....3		57.88.4332	not used		
TP.....1		54.02.0320	2.8A 0.8	welding test pin	
TP.....2		54.02.0320	2.8A 0.8	welding test pin	
TP.....3		54.02.0320	2.8A 0.8	welding test pin	

Note 1 - Potentiometer : 500 Ohm, 10%, .5W, PMG
 Bourne 3296 Z - 1 - 501
 Spectrol 04 Z 501 T 000
 Murata ROT 3108 Z - 1 - 501
 Contelec 103 XZ 501

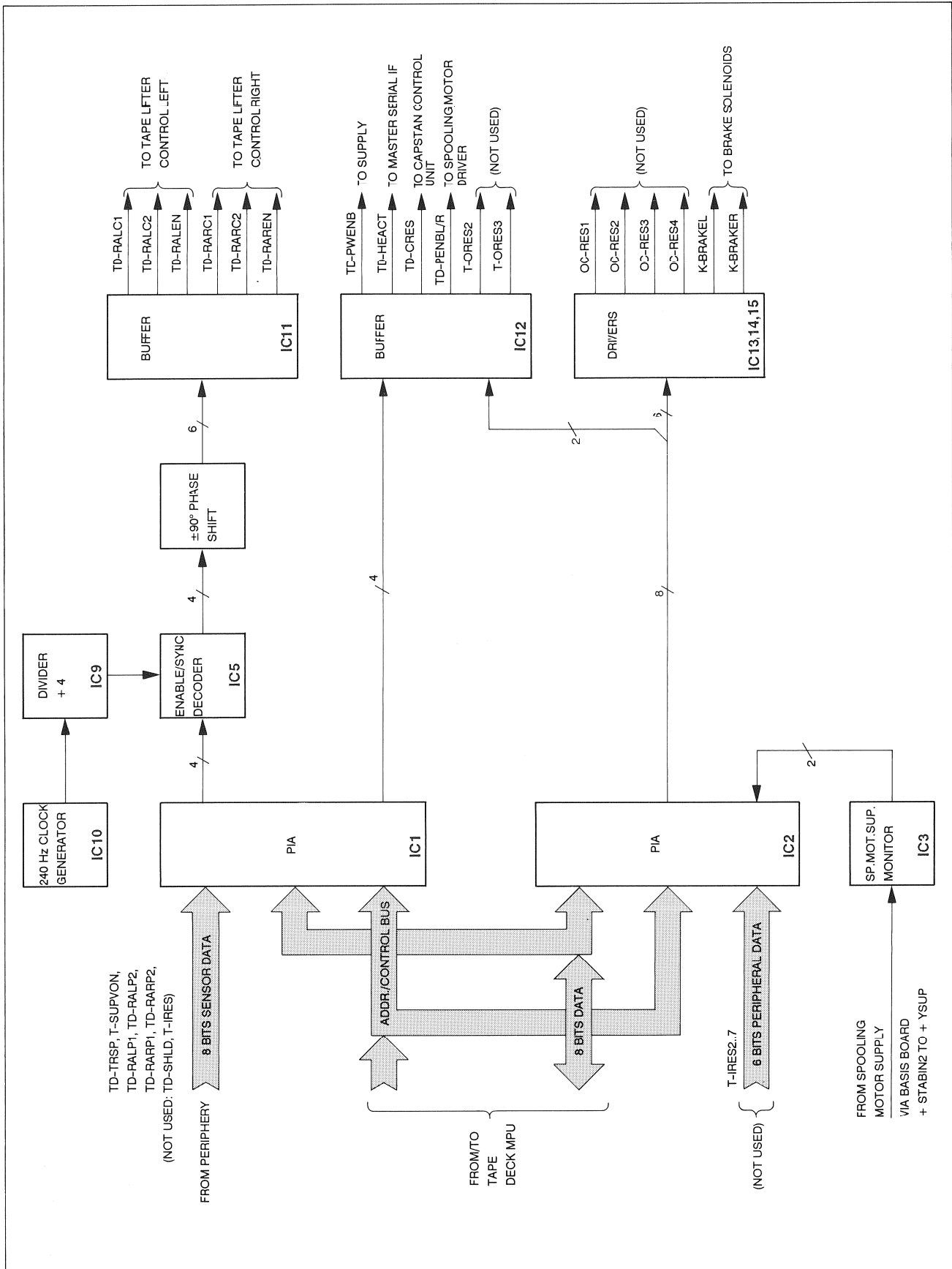
Manufacturers: AMI=American Microsystems Inc., Fo=Fairchild,
 Hi=Hitachi, Mot=Motorola, NS=National (Metaphite),
 NSC=National Electric Corp., NS=National Semiconductors,
 Ph=Philips (incl. Valvo), RC=Raytheon,
 RCA=Radio Corporation of America, SSS=Secocon,
 SSS=SSS/Rae, TI=Texas Instruments, To= Toshiba.

CRIG 89/09/19
 S T U D E R (00) 89/09/19 NH TAPE DECK SERIAL IF P. 1.820.763.83 PAGE 3

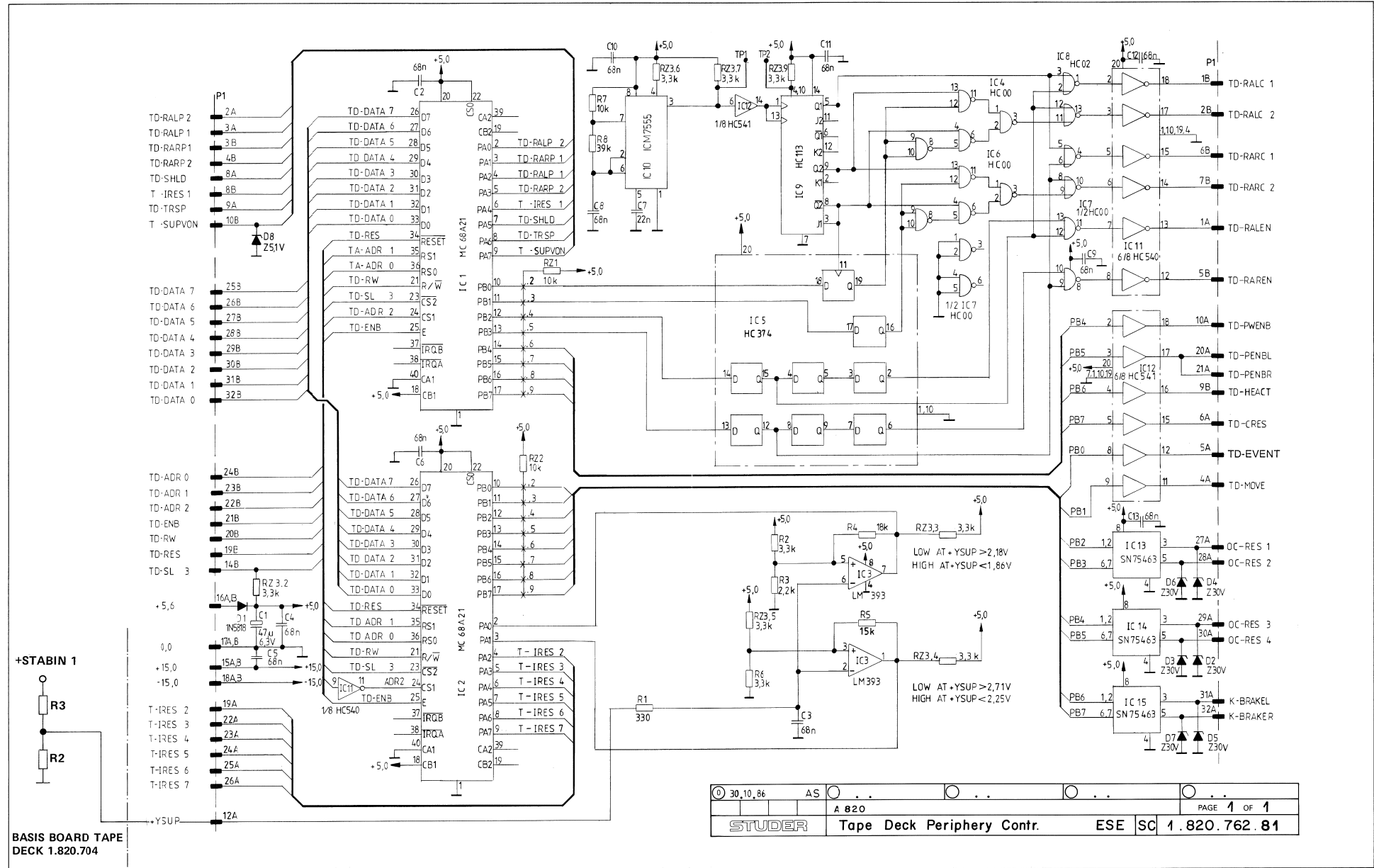
BLOCK DIAGRAM
TAPE DECK PERIPHERY CONTROL 1.820.762 (SURVEY)



BLOCK DIAGRAM
TAPE DECK PERIPHERY CONTROL 1.820.762



TAPE DECK PERIPHERY CONTROL 1.820.762.81

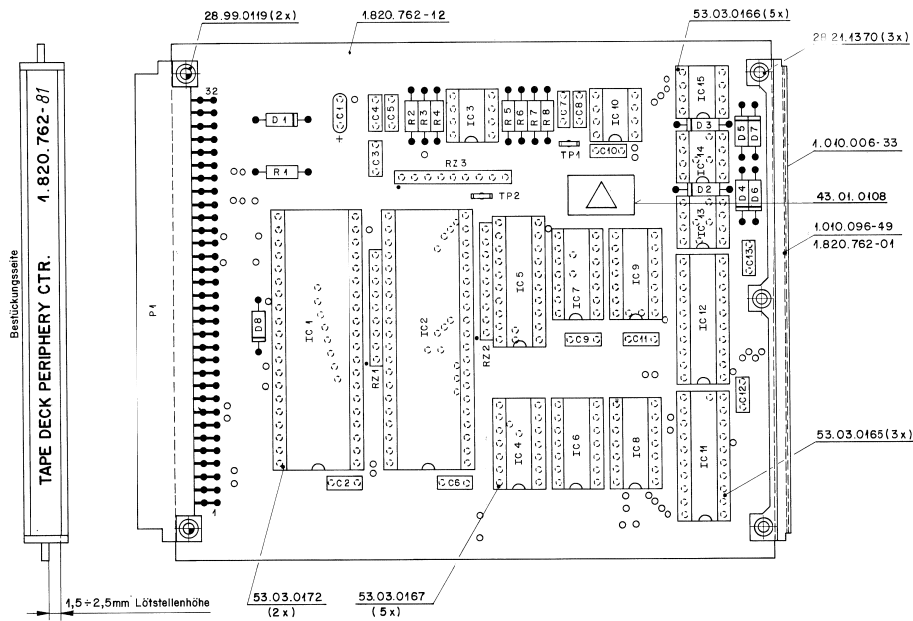


BASIS BOARD TAPE DECK 1.820.704

30,10,86	AS								
STUDER		A 820			Tape Deck Periphery Contr.			ESE SC 1.820.762.81	
								PAGE 1 OF 1	



TAPE DECK PERIPHERY CONTROL 1.820.762.81



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.26.0470	47 uF	20% 6.3V	
C....2		59.06.0683	68 nF	20%	
C....3		59.06.0683	68 nF	20%	
C....4		59.06.0683	68 nF	20%	
C....5		59.06.0683	68 nF	20%	
C....6		59.06.0683	68 nF	20%	
C....7		59.06.0223	22 nF	10%	
C....8		59.06.0683	68 nF	20%	
C....9		59.06.0683	68 nF	20%	
C....10		59.06.0683	68 nF	20%	
C....11		59.06.0683	68 nF	20%	
C....12		59.06.0683	68 nF	20%	
C....13		59.06.0683	68 nF	20%	
D....1		50.04.0512	1N 5818	1N 5819	Mot
D....2		50.04.1125	30 V Z	ZFD 30	ITT
D....3		50.04.1125	30 V Z	ZFD 30	ITT
D....4		50.04.1125	30 V Z	ZFD 30	ITT
D....5		50.04.1125	30 V Z	ZFD 30	ITT
D....6		50.04.1125	30 V Z	ZFD 30	ITT
D....7		50.04.1125	30 V Z	ZFD 30	ITT
D....8		50.04.1112	5.1 V Z	BZX83C SV1, BZX85C SV1, ZFD 5.1	ITT,See
IC...1		50.16.0106	MC68 A 21P	568 A 21P	AMI,Fa,Mot
IC...2		50.16.0106	MC68 B 21P	568 B 21P	AMI,Fa,Mot
IC...3		50.05.0203	LM 393 N	LM 393 P	NS,TI
IC...4		50.17.1000	74 HC 00	.. 74 HC 00	Mot,NS,TI
IC...5		50.17.1374	74 HC 374	.. 74 HC 374	Mot,NS,TI
IC...6		50.17.1000	74 HC 00	.. 74 HC 00	Mot,NS,TI
IC...7		50.17.1000	74 HC 00	.. 74 HC 00	Mot,NS,TI
IC...8		50.17.1002	74 HC 02	.. 74 HC 02	Mot,NS,TI
IC...9		50.17.1113	74 HC 113	.. 74 HC 113	Mot,NS,TI
IC...10		50.07.0036	IC975518FA		TeMa
IC...11		50.17.1540	74 HC 540	.. 74 HC 540	Mot,NS,TI
IC...12		50.17.1541	74 HC 541	.. 74 HC 541	Mot,NS,TI
IC...13		50.05.0203	SN 75463 P	DS 3613 N	NS,TI
IC...14		50.05.0203	SN 75463 P	DS 3613 N	NS,TI

STUDER (00) 86/10/30 BD TAPE DECK PERIPHERY CONTR. PL 1.820.762.81 PAGE 1

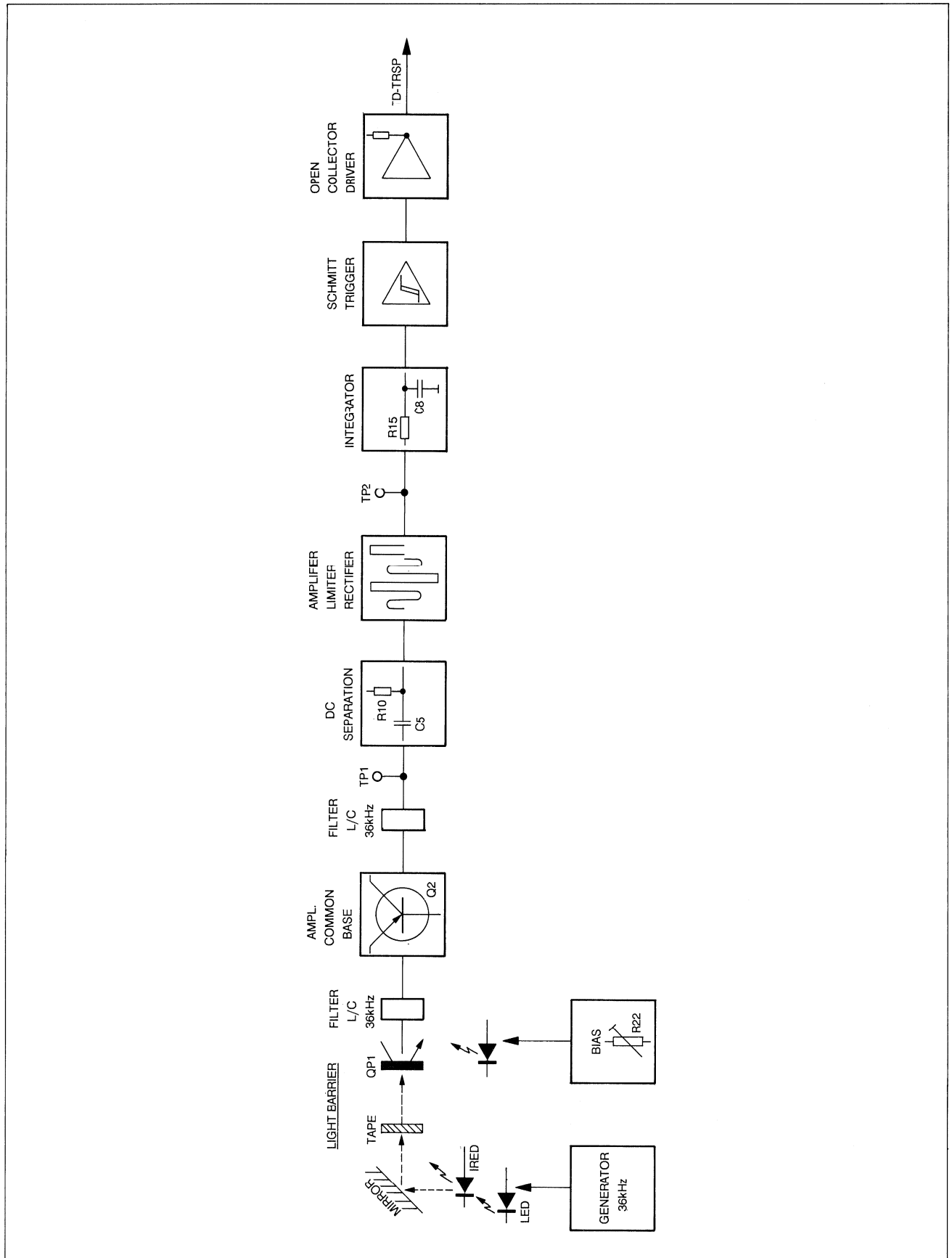
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...15		50.05.0203	SN 75463 P	DS 3613 N	NS,TI
F....1		54.11.2004		2 x 32 contacts; see note 1	
R....1		57.11.4331	330 Ohm	10%	
R....2		57.11.4332	3.3 kOhm	5%	
R....3		57.11.4222	3.2 kOhm	5%	
R....4		57.11.4193	15 kOhm	5%	
R....5		57.11.4193	15 kOhm	5%	
R....6		57.11.4332	3.3 kOhm	5%	
R....7		57.11.4193	15 kOhm	5%	
R....8		57.11.4393	39 kOhm	5%	
RZ...1		57.88.4103	10 kOhm	10%	See note 2
RZ...2		57.88.4103	10 kOhm	10%	See note 2
RZ...3		57.88.4332	3.3 kOhm	10%	See note 3
TP...1		54.02.0320	test pin		
TP...2		54.02.0320	test pin		

STUDER (00) 86/10/30 BD TAPE DECK PERIPHERY CONTR. PL 1.820.762.81 PAGE 2

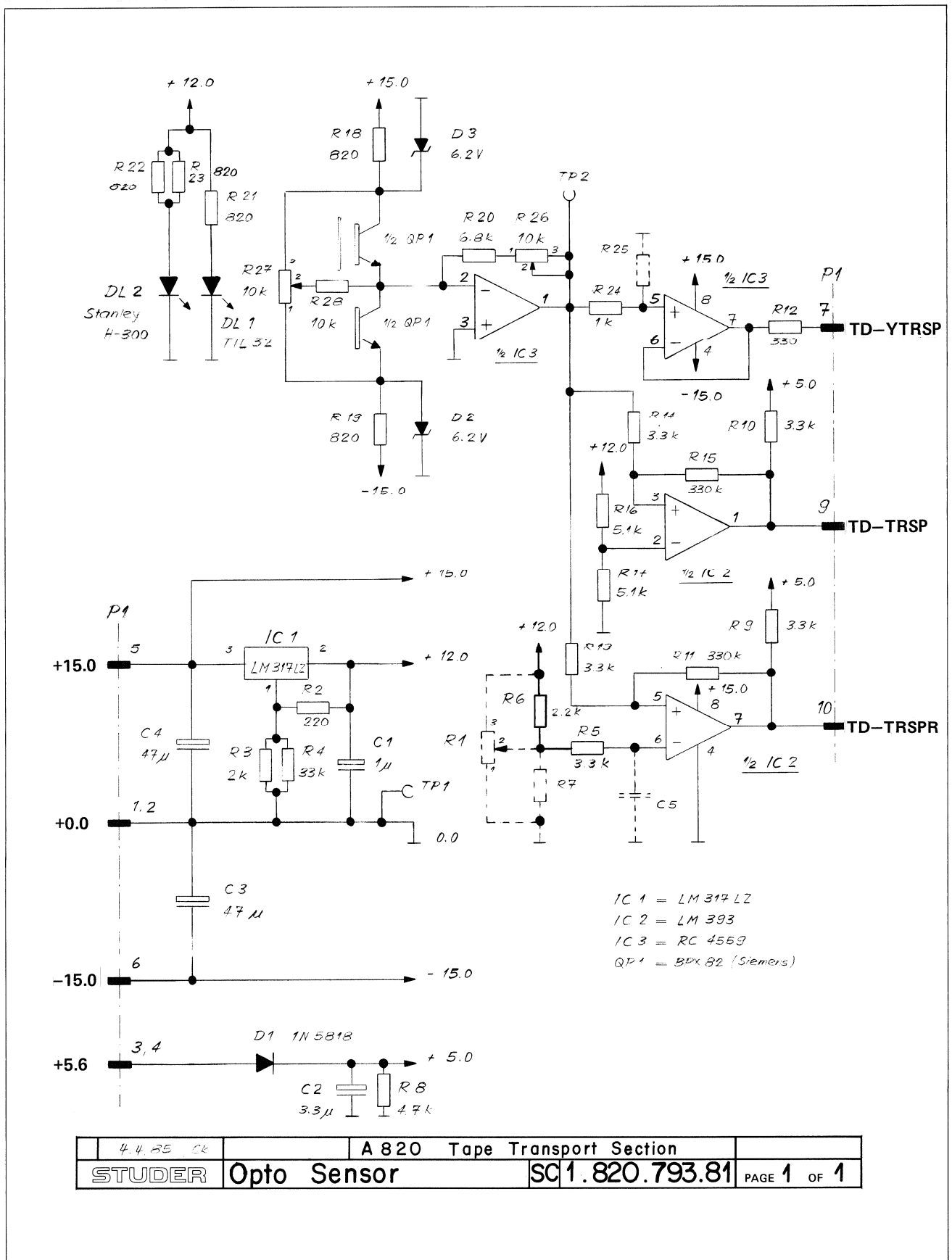
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1 - Connector:			2 x 32 Euro Print		
		Burndy	PI 64 B 20 P00 P00 20		
		Erni	9722.563.191		
Note 2 - Network:			8 x 10 kOhm, 5%, single line		
		Bourne	4609 X - 101 - 103		
		Sprague	296 C3 103 X 2 PD		
		Beckmann	L - 09 - 1 - R 10 x J		
		Tatsumita	F 9 E 10 x S2		
		Tama	MRG C 09 X 10 x J		
Note 3 - Network:			8 x 3.3 kOhm, 5%, single line		
		Bourne	4609 X - 101 - 332		
		Sprague	296 C3 332 X 2 PD		
		Beckmann	L - 09 - 1 - R 3.3 x J		
		Tatsumita	F 9 E 3.3 x S2		
		Tama	MRG C 09 X 3.3 x J		
Manufacturer:			AMI-American Microsystems Inc., Fa-Fairchild, Hi-Mitsubishi, ITT-Intermetals, Icm-Intertec, Me-Mexico, Motorola, NS-National Semiconductors, Ph-Philips, Ra-Raytheon, RCA-RCA Corporation of America, Sig-Sigalizer, TI-Texas Instruments, Te-Tecliba.		

0818 86/10/30
STUDER (00) 86/10/30 BD TAPE DECK PERIPHERY CONTR. PL 1.820.762.81 PAGE 3

**BLOCK DIAGRAM
OPTO SENSOR 1.820.793**

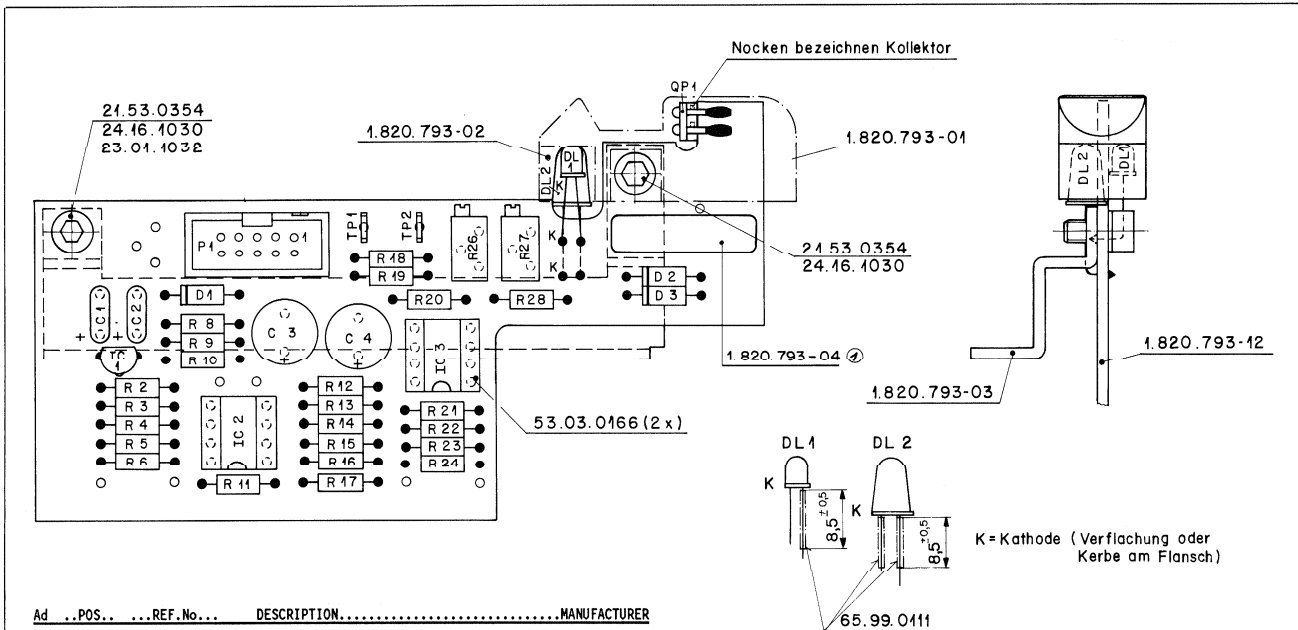


OPTO SENSOR 1.820.793.81



4.4.85 ck	A 820 Tape Transport Section		
STUDER	Opto Sensor	SC1.820.793.81	PAGE 1 OF 1

OPTO SENSOR 1.820.793.81



Ad ..POS.. ..REF.No... DESCRIPTION.....MANUFACTURER

C.....1	59.26.9109	1.0 uF	20%, 40V	Sa1	Ph
C.....2	59.26.2339	3.3 uF	20%, 10V	Sa1	Ph
C.....3	59.22.5470	47 uF	20%, 25V	E1	
C.....4	59.22.5470	47 uF	20%, 25V	E1	
C.....5	.	.	not used	.	
D.....1	50.04.0512	1N 5818	1N 5819		Mot
D.....2	50.04.1118	6.2 V	5%, .40W,Z		ITT, Ses
D.....3	50.04.1118	6.2 V	5%, .40W,Z		ITT, Ses
DL.....1	50.04.2110	TIL 32	OP 160		Op, TI
DL.....2	50.04.2155	H-300	LED, red		Sty
IC.....1	50.10.0108	LM 317 LZ			Mot, Nat
IC.....2	50.05.0283	LM 393 N	LM 393 P		NS, TI
IC.....3	50.09.0107	RC 4559NB	UPC 4559		Ra, NEC
P.....1	54.14.2001		see note 1		
QP....1	50.04.2154	BPX 82			Sie
R.....1	.	.	not used		
R.....2	57.11.3221	220 Ohm	1%		
R.....3	57.11.3202	2 kOhm	1%		
R.....4	57.11.4333	33 kOhm	2%		
R.....5	57.11.4332	3.3 kOhm	2%		
R.....6	57.11.4222	2.2 kOhm	2%		
R.....7	.	.	not used		
R.....8	57.11.4472	4.7 kOhm	2%		
R.....9	57.11.4332	3.3 kOhm	2%		
R.....10	57.11.4332	3.3 kOhm	2%		
R.....11	57.11.4334	330 kOhm	2%		
R.....12	57.11.4331	330 Ohm	2%		
R.....13	57.11.4332	3.3 kOhm	2%		
R.....14	57.11.4332	3.3 kOhm	2%		
R.....15	57.11.4334	330 kOhm	2%		
R.....16	57.11.3512	5.1 kOhm	1%		
R.....17	57.11.3512	5.1 kOhm	1%		
R.....18	57.11.4821	820 Ohm	2%		
R.....19	57.11.4821	820 Ohm	2%		
R.....20	57.11.4682	6.8 kOhm	2%		
R.....21	57.11.4821	820 Ohm	2%		
R.....22	57.11.4821	820 Ohm	2%		
R.....23	57.11.4821	820 Ohm	2%		
R.....24	57.11.4102	1.0 kOhm	2%		
R.....25	.	.	not used		
R.....26	58.05.0103	10 kOhm	see note 2		
R.....27	58.05.0103	10 kOhm	see note 2		
R.....28	57.11.4103	10 kOhm	2%		
TP....1	54.02.0320		test pin		
TP....2	54.02.0320		test pin		

Note 1 - Connector: Yamaichi Nr. FAP-10-08-40SS
Burndy Nr. BPH 9 B 16 800 GS

Note 2 - Potentiometer: Bourns Nr. 3296 Z - 1 - 103
Spectrol Nr. 64 Z 103 T 000

E1=Electrolytic, Sa1=Solid Aluminium

Manufacturer: ITT=Intermetall, Mot=Motorola, Nat=National,
NS=National Semiconductors, NEC=Nippon Electric Corp.,
Op=Optron, Ph=Philips, Ra=Raytheon, Ses=Sescosem,
Sie=Siemens, Sty=Stanley, TI=Texas Instruments.

1.820.793.81 OPTO SENSOR

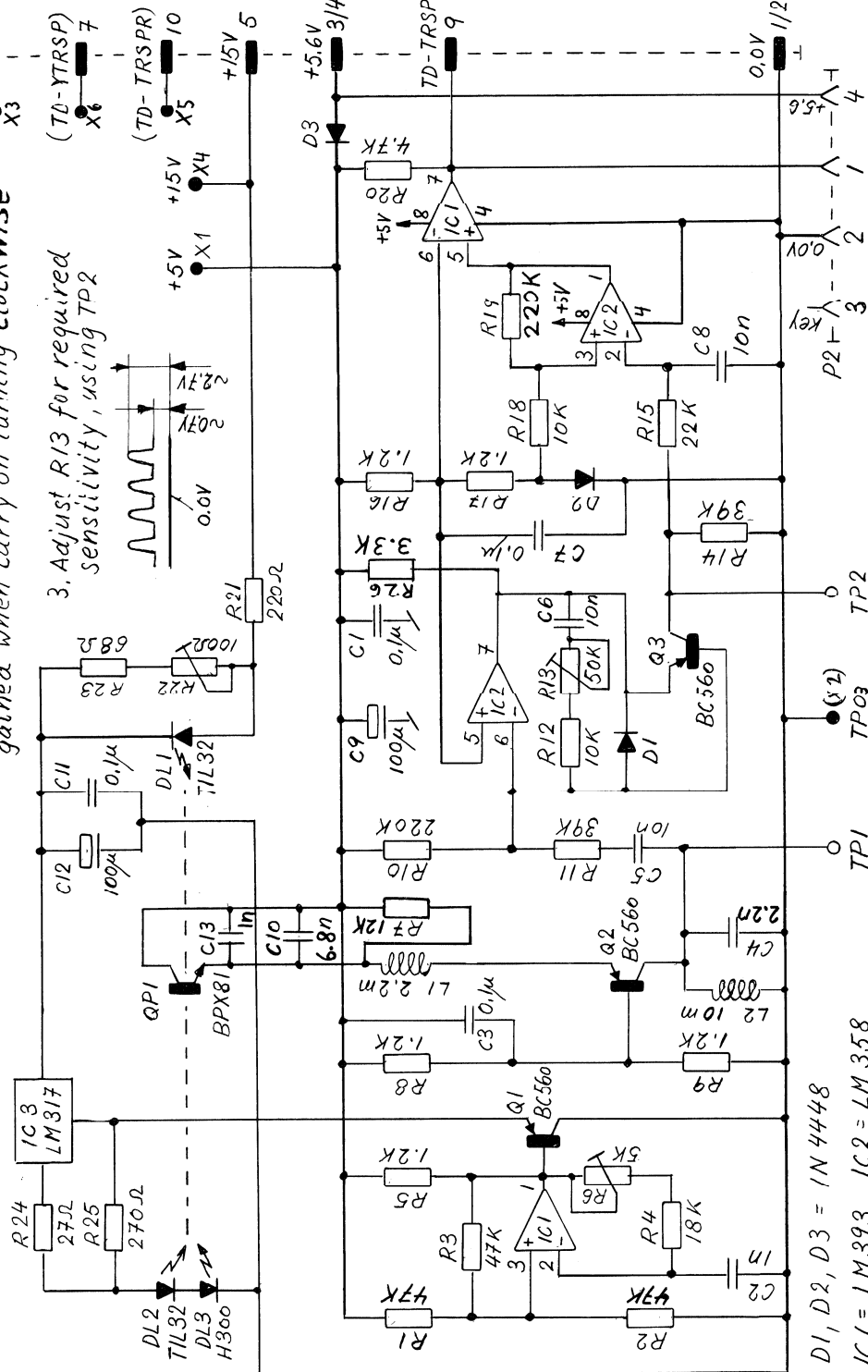
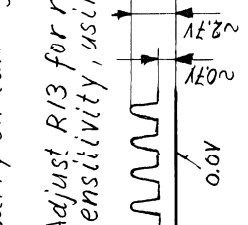
CK 85/05/2900

OPTO SENSOR 1.820.793.82



LINE UP PROCEDURE

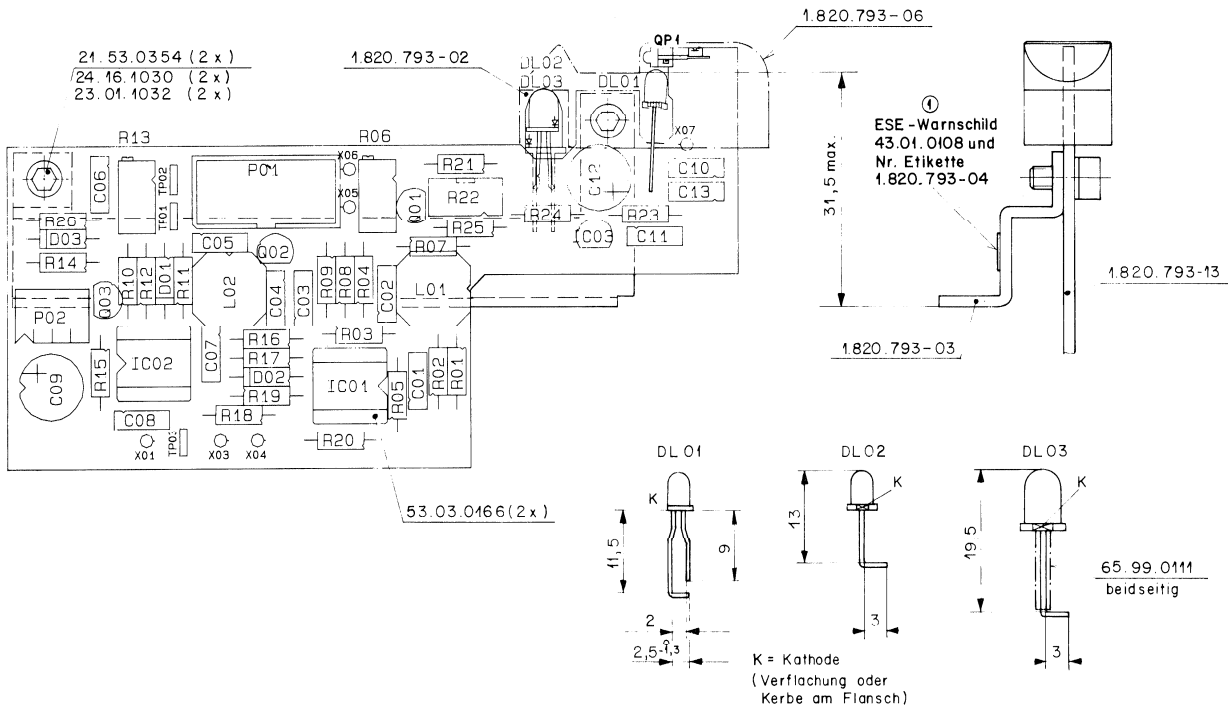
1. With a leadertape of low transparency across the optosensor adjust R6 for max. signal on testpoint TP1
2. With a leadertape of low transparency plus one or two layers of splicing tape across the optosensor turn R22 up to the point where only a marginal increase of the signal on TP1 is gained when carry on turning clockwise
3. Adjust R13 for required sensitivity, using TP2



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STUDER	OPTOSENSOR A820	PAGE OF	1.820.793-82



OPTO SENSOR 1.820.793.82



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.06.0104	0.1 uF	10%, 63V, PETP		R.....1		57.11.3473	47 kOhm	1%	
C.....2		59.06.0102	1 nF	10%, 63V, PETP		R.....2		57.11.3473	47 kOhm	1%	
C.....3		59.06.0104	0.1 uF	10%, 63V, PETP		R.....3		57.11.3473	47 kOhm	1%	
C.....4		59.06.5222	2.2 nF	5%, 63V, PETP		R.....4		57.11.3183	18 kOhm	1%	
C.....5		59.06.0103	10 nF	10%, 63V, PETP		R.....5		57.11.3122	1.2 kOhm	1%	
C.....6		59.06.0104	0.1 uF	10%, 63V, PETP		R.....6		59.05.0502	5 kOhm	10%	potentiometer
C.....7		59.06.0401	0.1 uF	10%, 63V, PETP		R.....7		57.11.3123	12 kOhm	1%	
C.....8		59.06.0103	10 nF	10%, 63V, PETP		R.....8		57.11.3122	1.2 kOhm	1%	
C.....9		59.22.3101	100 uF	20%, 10V, EL		R.....9		57.11.3122	1.2 kOhm	1%	
C.....10		59.06.5682	6.8 nF	5%, 63V, PETP		R.....10		57.11.3224	220 kOhm	1%	
C.....11		59.06.0104	0.1 uF	10%, 63V, PETP		(00) R.....10		57.11.3184	180 kOhm	1%	
C.....12		59.22.3101	100 uF	20%, 10V, EL		R.....11		57.11.3393	39 kOhm	1%	
C.....13		59.06.0102	1 nF	10%, 63V, PETP		R.....12		57.11.3103	10 Ohm	1%	
D.....1		50.04.0125	1N4448		R-OHM, Fc, ITT, Ph, Tz, Mot	R.....13		58.05.0503	50 kOhm	10%	Potentiometer
D.....2		50.04.0125	1N4448		R-OHM, Fc, ITT, Ph, Tz, Mot	R.....14		57.11.3393	39 kOhm	1%	
D.....3		50.04.0125	1N4448		R-OHM, Fc, ITT, Ph, Tz, Mot	R.....15		57.11.3223	22 kOhm	1%	
DL.....1		50.04.2110	OP160SL	LED, IR TIL32	Op, TI	R.....16		57.11.3122	1.2 kOhm	1%	
DL.....2		50.04.2110	OP160SL	LED, IR TIL32	Op, TI	R.....17		57.11.3122	1.2 kOhm	1%	
DL.....3		50.04.2155	ER300	LED, RED	STV	R.....18		57.11.3103	10 kOhm	1%	
IC.....1		50.05.0283	LM 393 N	LM 393 P	Tho, NS, TI	R.....19		57.11.3224	220 kOhm	1%	
IC.....2		50.05.0286	LM 358 M		Mot, NS, SGS, Sig, TI	R.....20		57.11.3472	4.7 kOhm	1%	
IC.....3		50.10.0109	LM 317 L2		Met, NS	R.....21		57.11.3221	220 Ohm	1%	
L.....1		62.02.3222	2.2mH		TDK	R.....22		58.01.9101	100 Ohm	10%	Potentiometer
L.....2		62.02.3103	10mH		TDK	R.....23		57.11.3680	68 Ohm	1%	
F.....1		54.14.2001	Connector	10 contacts, flat cable		R.....24		57.11.3270	27 Ohm	1%	
F.....2		54.01.0304	Connector	4 contacts, C15		(00) R.....24		57.11.3270	27 Ohm	1%	
Q.....1		54.03.0496	BC 560		Sie	(01) R.....24		57.11.3330	33 Ohm	1%	
Q.....2		54.03.0496	BC 560		Sie	R.....25		57.11.3271	270 Ohm	1%	
Q.....3		54.03.0496	BC 560		Sie	R.....26		57.11.3332	3.3 kOhm	1%	
QP.....1		50.04.5001	BPX 81		Sie	TP.....1		54.02.0320			test pin
						TP.....2		54.02.0320			test pin
						TP.....3		54.02.0320			test pin

S T U D E R (01) 89/12/05 RGR OPTO SENSOR PL 1.820.793.82 PAGE 1 S T U D E R (01) 89/12/05 RGR OPTO SENSOR PL 1.820.793.82 PAGE 2

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

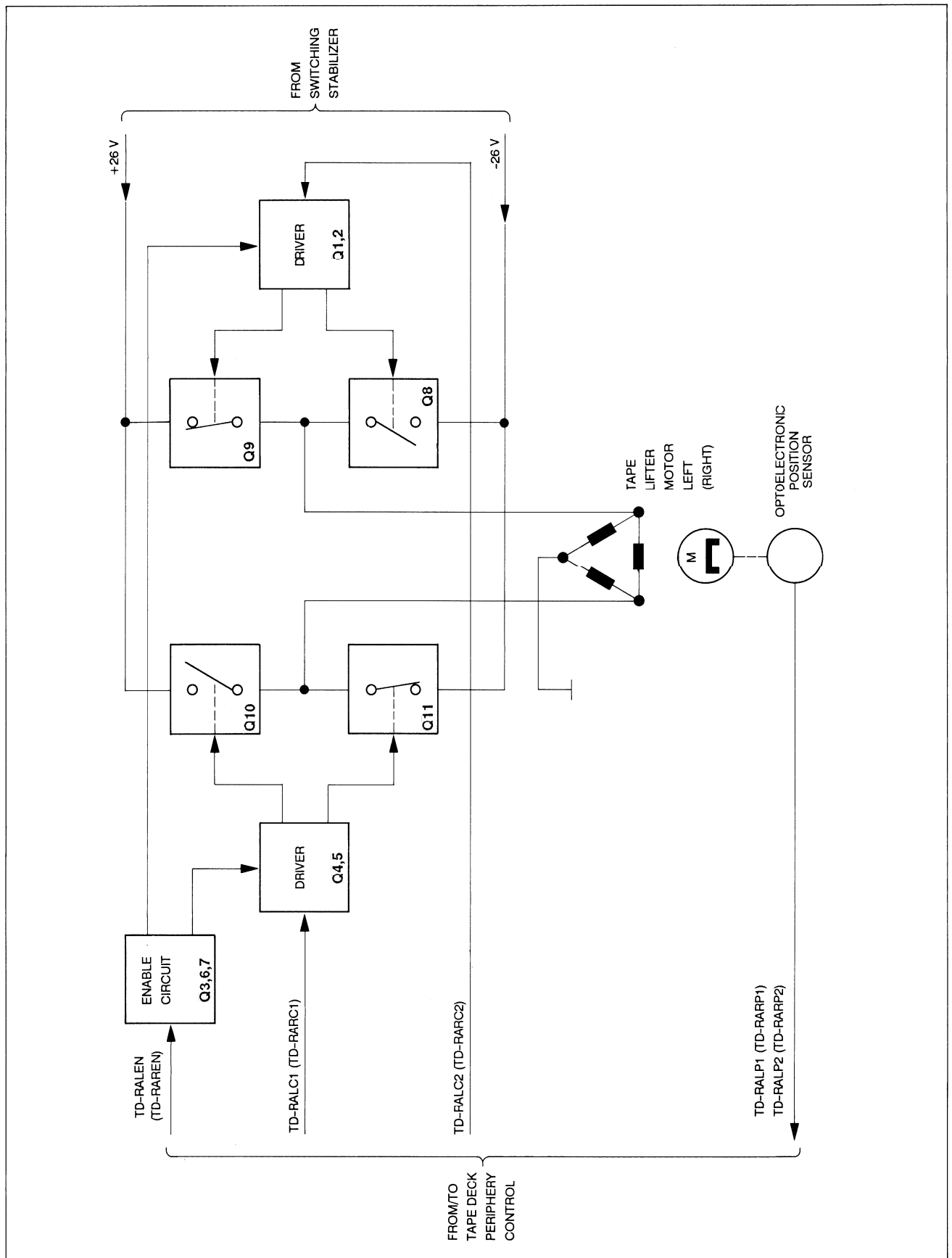
(01) 05.12.89 Sensitivity correction.

CER=Ceramic, EL=Electrolytic, PETP=Polyester, SAL=Solid Aluminum

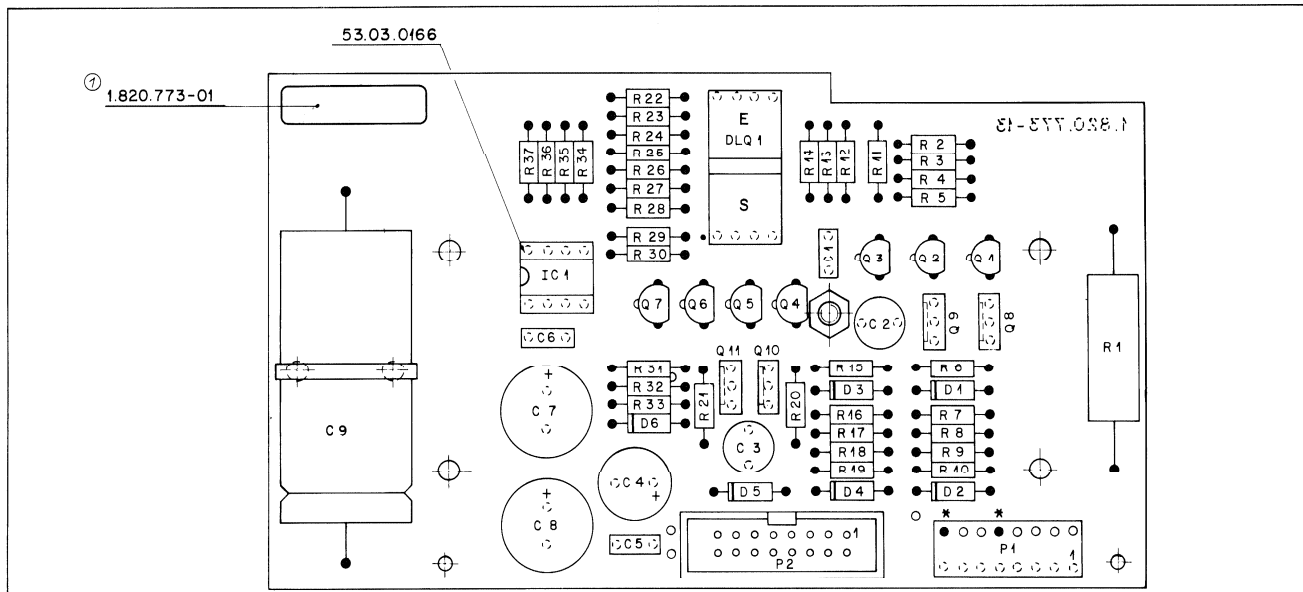
Manufacturers: Fc=Fairchild, ITT=Internatell, Mot=Motorola
 NS=National Semiconductors, Op=Optron, Ph=Phillips
 Ra=Raytheon, Sae=Seacosea, Sie=Siemens, Sig=Signetics
 Sty=Stanley, Tf=Telefunken, Tho=Thomson, Ti=Texas Instruments

ORIG 89/08/30 (01) 89/12/05
 S T U D E R (01) 89/12/05 RGR OPTO SENSOR PL 1.820.793.82 PAGE 3

BLOCK DIAGRAM
TAPE LIFTER CONTROL 1.820.773



TAPE LIFTER CONTROL 1.820.773.82



* Codierung: Schaltdraht 64.01.0108 Ø 0,8 x 8mm
(muss 1mm vorstehen)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.06.0683	68 nF	10%, 63V, PEP			R....2	57.11.4471	470 Ohm	2%		
C.....2	59.05.2331	330 pF	2.5%, 63V, PP			R....3	57.11.4222	2.2 kOhm	2%		
C.....3	59.05.2331	330 pF	2.5%, 63V, PP			R....4	57.11.4222	2.2 kOhm	2%		
C.....4	59.22.4191	100 uF	10%, 16V, EI			R....5	57.11.4222	2.2 kOhm	2%		
C.....5	59.06.0683	68 nF	10%, 63V, PEP			R....6	57.11.4821	820 Ohm	2%		
C.....6	59.06.0683	68 nF	10%, 63V, PEP			R....7	57.11.4689	6.8 Ohm	5%		
C.....7	59.22.6471	470 uF	10%, 40V, EI			R....8	57.11.4689	6.8 Ohm	5%		
C.....8	59.22.6471	470 uF	10%, 40V, EI			R....9	57.11.4689	6.8 Ohm	5%		
C.....9	59.25.6102	1000 uF	63V, EI			R....10	57.11.4689	6.8 Ohm	5%		
D.....1	50.04.0122	1N 4001	...	1N 4004	Not	R....11	57.11.4471	470 Ohm	2%		
D.....2	50.04.0122	1N 4001	...	1N 4004	Not	R....12	57.11.4471	470 Ohm	2%		
D.....3	50.04.0122	1N 4001	...	1N 4004	Not	R....13	57.11.4471	470 Ohm	2%		
D.....4	50.04.0122	1N 4001	...	1N 4004	Not	R....14	57.11.4222	2.2 kOhm	2%		
D.....5	50.04.0512	1N 5819	...	1N 5819	Not	R....15	57.11.4821	820 Ohm	2%		
D.....6	50.04.0125	1N 4448	...		Fc,ITT,Ph,See,Tf	R....16	57.11.4689	6.8 Ohm	5%		
DLQ...1	50.99.0166	OPB 8265	...		Op	R....17	57.11.4689	6.8 Ohm	5%		
IC....1	50.15.0114	uA 9637A	...		TI,Fc	R....18	57.11.4689	6.8 Ohm	5%		
P....1	54.01.0289		see note 1			R....19	57.11.4689	6.8 Ohm	5%		
P....2	54.14.2002		see note 2			R....20	57.11.4821	820 Ohm	2%		
Q.....1	50.03.0515	BC 237 B	BC 251 B, BC 557 B		ITT,Mot,Ph	R....21	57.11.4821	820 Ohm	2%		
Q.....2	50.03.0436	BC 237 B	BC 547 B, BC 550 B		ITT,Mot,Ph,Sie	R....22	57.11.4221	220 Ohm	2%		
Q.....3	50.03.0436	BC 237 B	BC 547 B, BC 550 B		ITT,Mot,Ph,Sie	R....23	57.11.4221	220 Ohm	2%		
Q.....4	50.03.0436	BC 237 B	BC 547 B, BC 550 B		ITT,Mot,Ph,Sie	R....24	57.11.4561	560 Ohm	2%		
Q.....5	50.03.0515	BC 307 B	BC 251 B, BC 557 B		ITT,Mot,Ph	R....25	57.11.4102	1 kOhm	2%		
Q.....6	50.03.0436	BC 237 B	BC 547 B, BC 550 B		ITT,Mot,Ph,Sie	R....26	57.11.4103	10 kOhm	2%		
Q.....7	50.03.0436	BC 237 B	BC 547 B, BC 550 B		ITT,Mot,Ph,Sie	R....27	57.11.4103	10 kOhm	2%		
Q.....8	50.03.0451	BD 139-10	...		Mot,Ph,SGS,Tf,To	R....28	57.11.4103	10 kOhm	2%		
Q.....9	50.03.0452	BD 140-10	...		Mot,Ph,SGS,Tf,To	R....29	57.11.4222	2.2 kOhm	2%		
Q.....10	50.03.0452	BD 140-10	...		Mot,Ph,SGS,Tf,To	R....30	57.11.4222	2.2 kOhm	2%		
Q.....11	50.03.0451	BD 139-10	...		Mot,Ph,SGS,Tf,To	R....31	57.11.4102	1 kOhm	2%		
R....1	57.56.5680	68 Ohm	10%, 4 W			R....32	57.11.4222	2.2 kOhm	2%		

S T U D E R (00) 85/07/08 CK TAPE LIFTER CONTROL PL 1.820.773.82 PAGE 1 S T U D E R (00) 85/07/08 CK TAPE LIFTER CONTROL PL 1.820.773.82 PAGE 2

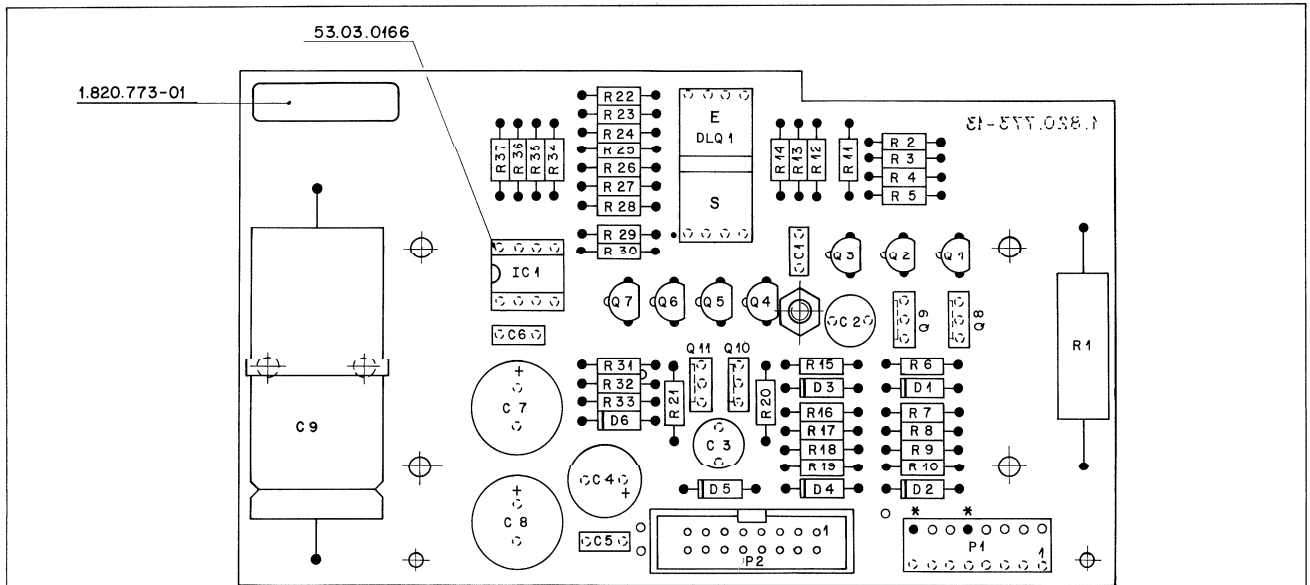
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
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Note 1 - Connector: AMP Nr. -163.680-6
 Note 2 - Connector: Yamachi Nr. PAP-16-08/4
 Burydy Nr. BPH 9 B 16 BOO GS

El=Electrolytic, PP=Polypropylene
 Manufacturer: Fc=Fairchild, ITT=Internatell, Mot=Motorola, Op=Optron,
 Ph=Philips, See=Secoson, SGS=SGS/Atea, Sie=Siemens,
 Tf=Telefunken, TI=Texas Instruments, To=Toshiba.

ORIG 85/07/08
 S T U D E R (00) 85/07/08 CK TAPE LIFTER CONTROL PL 1.820.773.82 PAGE 3

TAPE LIFTER CONTROL 1.820.773.83



* Codierung : Schaltdraht 64.04.0108 \varnothing 0,8 x 8mm
(muss 1mm vorstehen)

Ad	..POS..	..REF.No...	DESCRIPTION.....	MANUFACTURER
C.....1	59.06.0683	68 nF	10%, 63V, PETP	
C.....2	59.05.2331	330 pF	2.5%, 63V, PP	
C.....3	59.05.2331	330 pF	2.5%, 63V, PP	
C.....4	59.22.4101	100 uF	10%, 16V, EI	
C.....5	59.06.0683	68 nF	10%, 63V, PETP	
C.....6	59.06.0683	68 nF	10%, 63V, PETP	
C.....7	59.22.6471	470 uF	10%, 40V, EI	
C.....8	59.22.6471	470 uF	10%, 40V, EI	
C.....9	59.25.6102	1000 uF	63V, EI	
D.....1	50.04.0122	1N 4001	... 1N 4004	Mot
D.....2	50.04.0122	1N 4001	... 1N 4004	Mot
D.....3	50.04.0122	1N 4001	... 1N 4004	Mot
D.....4	50.04.0122	1N 4001	... 1N 4004	Mot
D.....5	50.04.0512	1N 5818	1N 5819	Mot
D.....6	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
DLQ...1	50.99.0166	OPB 826S		Op
IC....1	50.15.0114	uA 9637A		TI,Fc
P.....1	54.01.0289		see note 1	
P.....2	54.14.2002		see note 2	
Q.....1	50.03.0515	BC 307 B	BC 251 B, BC 557 B	ITT,Mot,Ph
Q.....2	50.03.0436	BC 237 B	BC 547 B, BC 550 B	ITT,Mot,Ph,Sie
Q.....3	50.03.0436	BC 237 B	BC 547 B, BC 550 B	ITT,Mot,Ph,Sie
Q.....4	50.03.0436	BC 237 B	BC 547 B, BC 550 B	ITT,Mot,Ph,Sie
Q.....5	50.03.0515	BC 307 B	BC 251 B, BC 557 B	ITT,Mot,Ph
Q.....6	50.03.0436	BC 237 B	BC 547 B, BC 550 B	ITT,Mot,Ph,Sie
Q.....7	50.03.0436	BC 237 B	BC 547 B, BC 550 B	ITT,Mot,Ph,Sie
Q.....8	50.03.0451	BD 139-10		Mot,Ph,SGS,Tf,To
Q.....9	50.03.0452	BD 140-10		Mot,Ph,SGS,Tf,To
Q.....10	50.03.0452	BD 140-10		Mot,Ph,SGS,Tf,To
Q.....11	50.03.0451	BD 139-10		Mot,Ph,SGS,Tf,To
R.....1	57.56.5680	68 Ohm	10%, 4 W	
R.....2	57.11.4471	470 Ohm	2%	
R.....3	57.11.4222	2.2 kOhm	2%	
R.....4	57.11.4222	2.2 kOhm	2%	
R.....5	57.11.4222	2.2 kOhm	2%	
R.....6	57.11.4821	820 Ohm	2%	
R.....7	57.11.4689	6.8 Ohm	5%	
R.....8	57.11.4689	6.8 Ohm	5%	
R.....9	57.11.4689	6.8 Ohm	5%	
R.....10	57.11.4689	6.8 Ohm	5%	

Ad	..POS..	..REF.No...	DESCRIPTION.....	MANUFACTURER
R....11	57.11.4471	470 Ohm	2%	
R....12	57.11.4471	470 Ohm	2%	
R....13	57.11.4471	470 Ohm	2%	
R....14	57.11.4222	2.2 kOhm	2%	
R....15	57.11.4821	820 Ohm	2%	
R....16	57.11.4689	6.8 Ohm	5%	
R....17	57.11.4689	6.8 Ohm	5%	
R....18	57.11.4689	6.8 Ohm	5%	
R....19	57.11.4689	6.8 Ohm	5%	
R....20	57.11.4821	820 Ohm	2%	
R....21	57.11.4821	820 Ohm	2%	
R....22	57.11.4161	160 Ohm	2%	
R....23	57.11.4161	160 Ohm	2%	
R....24	57.11.4561	560 Ohm	2%	
R....25	57.11.4561	560 Ohm	2%	
R....26	57.11.4102	1 kOhm	2%	
R....27	57.11.4103	10 kOhm	2%	
R....28	57.11.4103	10 kOhm	2%	
R....29	57.11.4222	2.2 kOhm	2%	
R....30	57.11.4222	2.2 kOhm	2%	
R....31	57.11.4102	1 kOhm	2%	
R....32	57.11.4222	2.2 kOhm	2%	
R....33	57.11.4563	56 kOhm	2%	
R....34	57.11.4102	1 kOhm	2%	
R....35	57.11.4102	1 kOhm	2%	
R....36	57.11.4152	1.5 kOhm	2%	
R....37	57.11.4272	2.7 kOhm	2%	

Note 1 - Connector: AMP Nr. --163.680-6

Note 2 - Connector: Yamaichi Nr. FAP-16-08//4
Burndy Nr. BPH 9 B 16 B00 GS

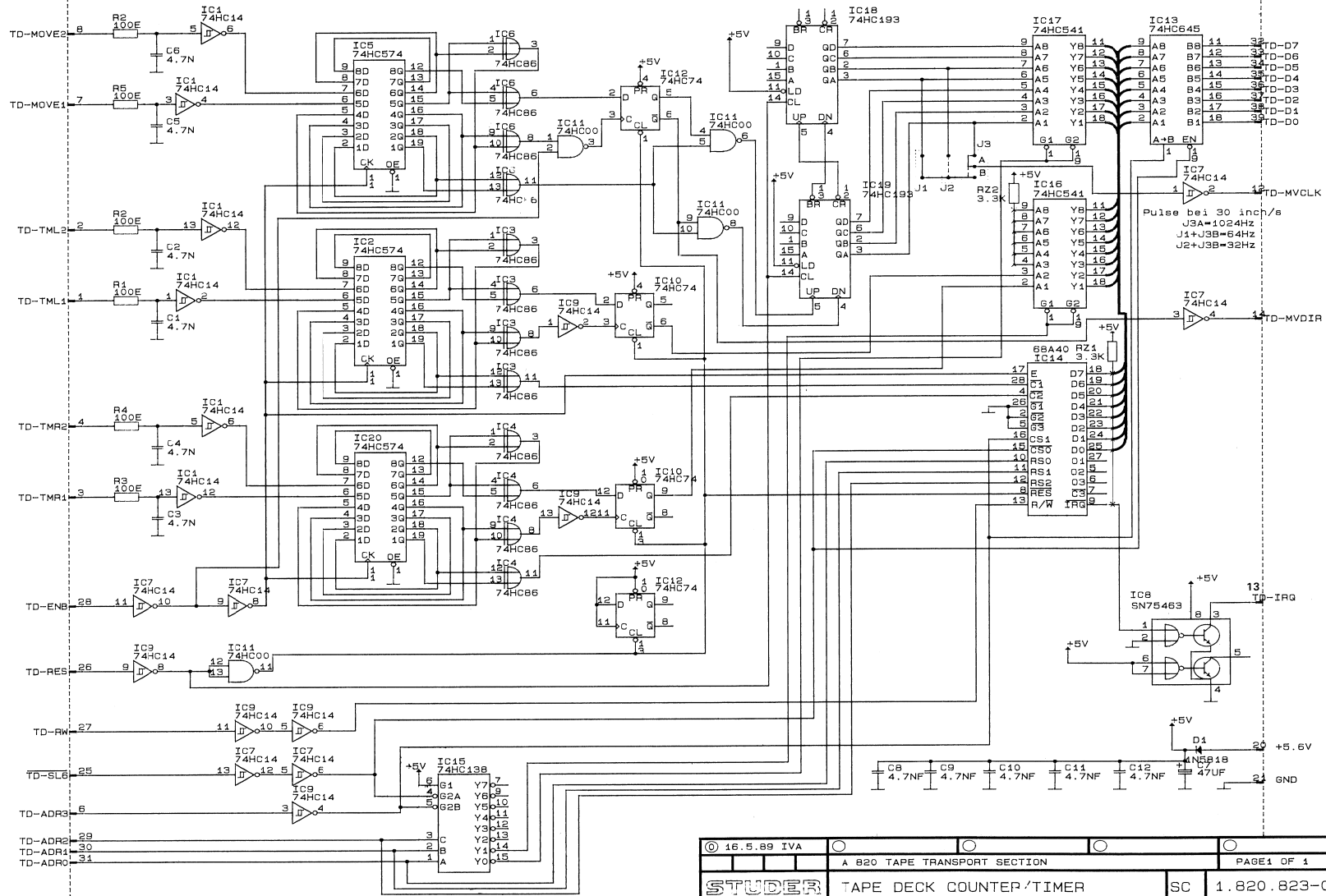
El=Electrolytic, PP=Polypropylene

Manufacturer: Fc=Fairchild, ITT=Intermetall, Mot=Motorola, Op=Optron,
Ph=Philips, Ses=Sescosem, SGS=SGS/Ates, Sie=Siemens,
Tf=Telefunken, TI=Texas Instruments, To=Toshiba.

1.820.773.83 TAPE LIFTER CONTROL VF 91/03/2800

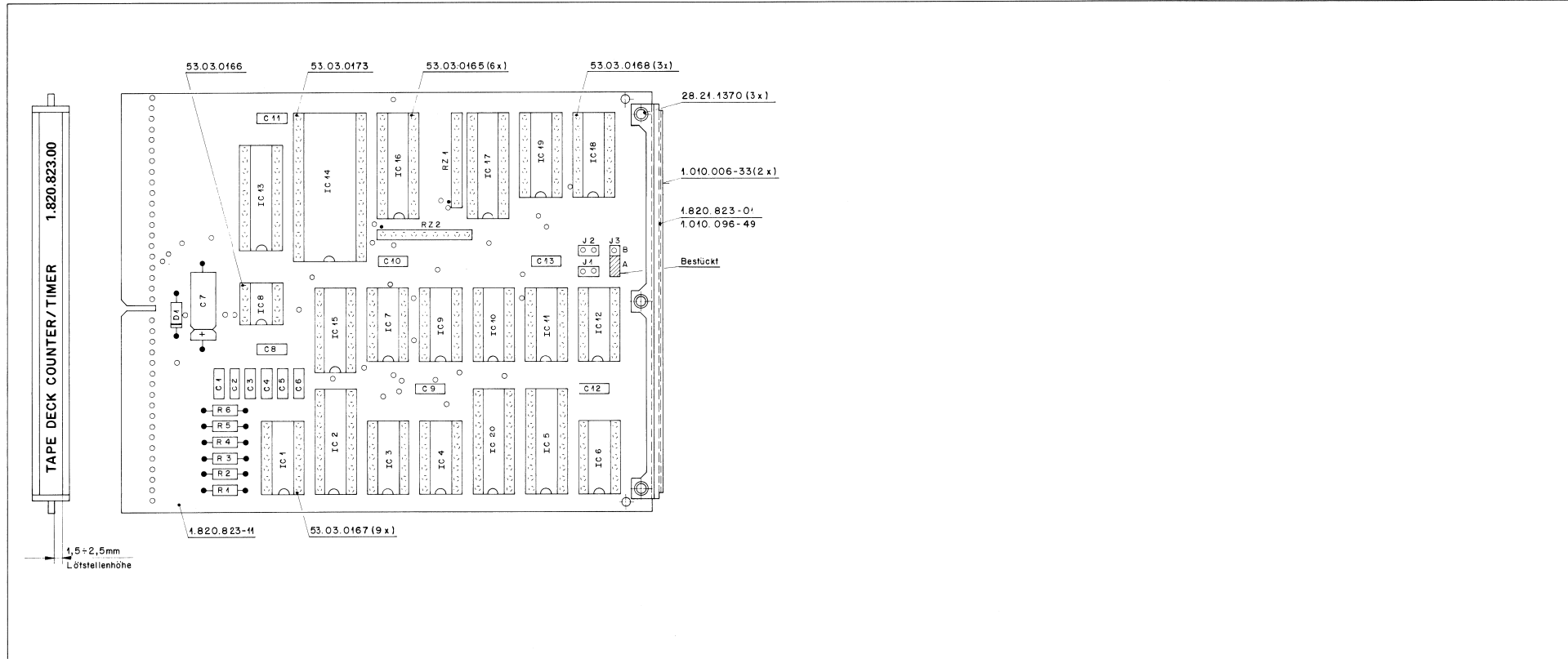


TAPE DECK COUNTER/TIMER 1.820.823.00



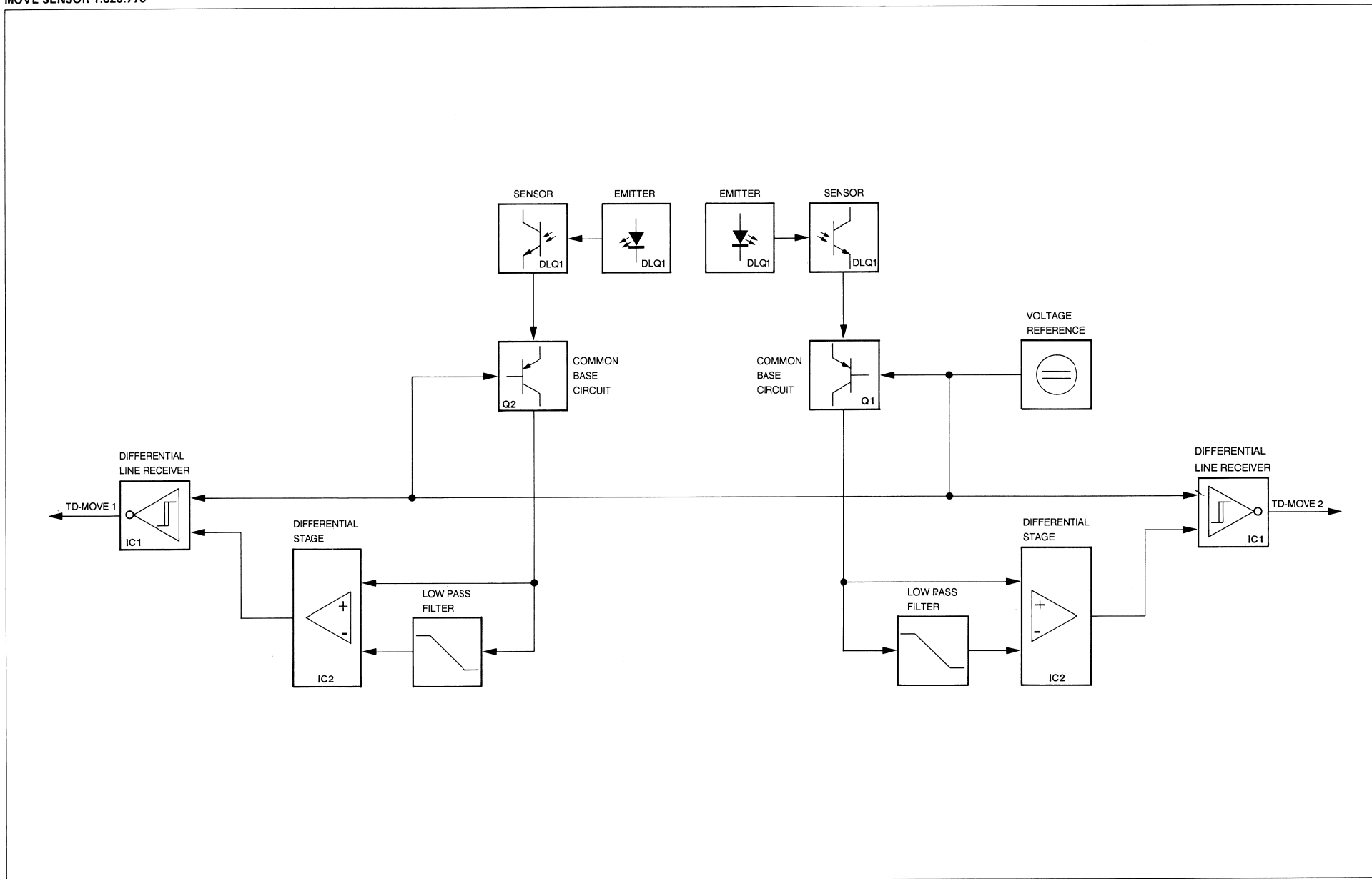
© 16.5.89 IVA				
A 820 TAPE TRANSPORT SECTION			PAGE1 OF 1	
STUDER TAPE DECK COUNTER/TIMER			SC	1.820.823-00

TAPE DECK COUNTER/TIMER 1.820.823.00



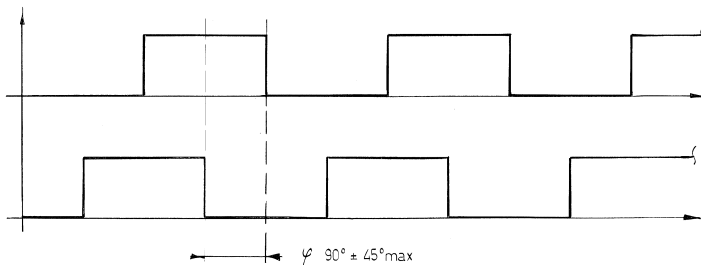
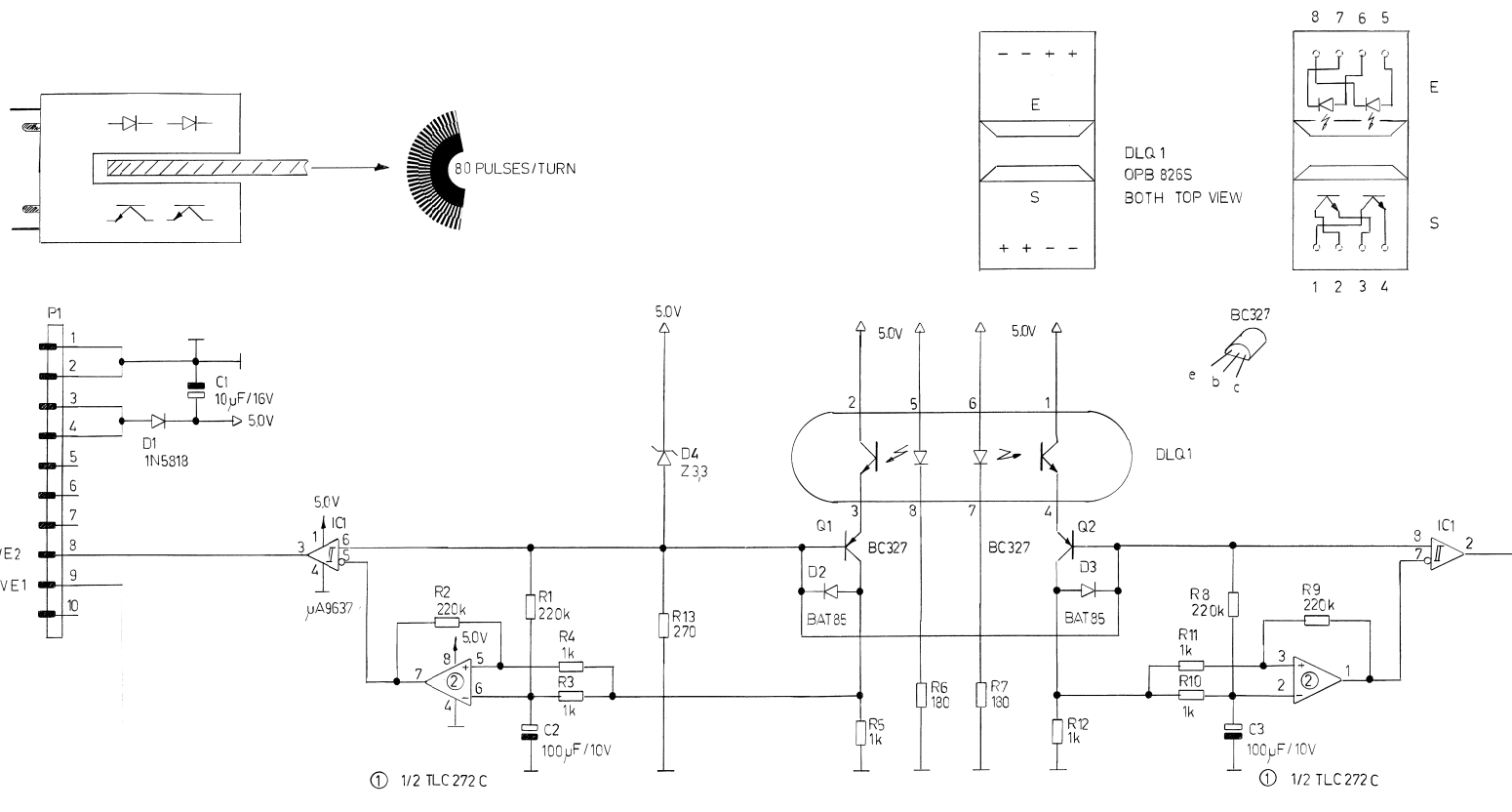
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....1	50.04.0512	IN 5818	IN 5819		Met	J.....1			note used		
C.....2	59.06.0472	4,7 nF	10X, 63V, PPTP		J.....2				note used		
C.....3	59.06.0472	4,7 nF	10X, 63V, PPTP		J.....3				see note 1		
C.....4	59.06.0472	4,7 nF	10X, 63V, PPTP		R.....1	57.11.3101	100 Ohm	1X			
C.....5	59.06.0472	4,7 nF	10X, 63V, PPTP		R.....2	57.11.3101	100 Ohm	1X			
C.....6	59.06.0472	4,7 nF	10X, 63V, PPTP		R.....3	57.11.3101	100 Ohm	1X			
C.....7	59.25.2470	47 uF	10X, 63V, PPTP		R.....4	57.11.3101	100 Ohm	1X			
C.....8	59.06.0683	68 nF	10X, 63V, PPTP		R.....5	57.11.3101	100 Ohm	1X			
C.....9	59.06.0683	68 nF	10X, 63V, PPTP		R.....6	57.11.3101	100 Ohm	1X			
C.....10	59.06.0683	68 nF	10X, 63V, PPTP		RZ.....1	57.88.4332			network, B + 3.3 kOhm, 5% single line		
C.....11	59.06.0683	68 nF	10X, 63V, PPTP		RZ.....2	57.88.4332			network, B + 3.3 kOhm, 5% single line		
C.....12	59.06.0683	68 nF	10X, 63V, PPTP								
C.....13	59.06.0683	68 nF	10X, 63V, PPTP								
IC.....1	50.17.1014	74 HC 14	.. 74 HC 14 ..	Not: NS/Pb/RCA/TT/To							
IC.....2	50.17.1074	74 HC 574	.. 74 HC 574 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....3	50.17.1096	74 HC 86	.. 74 HC 86 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....4	50.17.1096	74 HC 86	.. 74 HC 86 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....5	50.17.1074	74 HC 574	.. 74 HC 574 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....6	50.17.1096	74 HC 86	.. 74 HC 86 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....7	50.17.1014	74 HC 14	.. 74 HC 14 ..	Not: NS/Pb/RCA/TT/To							
IC.....8	50.05.0203	58 75463 P	58 75463 P, SN 65463 JG, SS 3618 N NS/TT								
IC.....9	50.17.1014	74 HC 14	.. 74 HC 14 ..	Not: NS/Pb/RCA/TT/To							
IC.....10	50.17.1074	74 HC 74	.. 74 HC 74 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....11	50.17.1000	74 HC 00	.. 74 HC 00 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....12	50.17.1074	74 HC 74	.. 74 HC 74 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....13	50.17.1645	74 HC 645	.. 74 HC 645 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....14	50.16.0113	HC 68A 405	.. HC 68A 405 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....15	50.17.1138	74 HC 138	.. 74 HC 138 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....16	50.17.1541	74 HC 941	.. 74 HC 941 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....17	50.17.1541	74 HC 941	.. 74 HC 941 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....18	50.17.1193	74 HC 193	.. 74 HC 193 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....19	50.17.1193	74 HC 193	.. 74 HC 193 ..	Not: NS/Pb/RCA/SSS/TT/To							
IC.....20	50.17.1574	74 HC 574	.. 74 HC 574 ..	Not: NS/Pb/RCA/SSS/TT/To							

BLOCK DIAGRAM
MOVE SENSOR 1.820.770





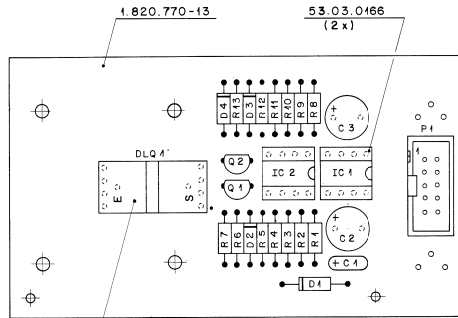
MOVE SENSOR 1.820.770.81



① 18,01,83 ZOLLER	① 14,03,89 ZOLLER	○ . . .	○ . . .	○ . . .
A 8 2 0	PAGE 1 OF 1			
STUDER	MOVE SENSOR	SC	1.820.770.81	



MOVE SENSOR 1.820.770.81



DLQ1 soll auf liegend auf Bestückungsseite montiert.

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C.....1	59.26.2100	10 uF	20%, 16V, Sal	
C.....2	59.22.5101	100 uF	-20%, 25V, EI	
C.....3	59.26.5101	100 uF	-20%, 25V, EI	
D.....1	50.04.0512	1M 5818	1M 5918	Not
D.....2	50.04.0127	BAT 42	BAT 85, BAS 40-02,	Ph, Sie, Tho
D.....3	50.04.0127	BAT 42	BAT 85, BAS 40-02,	Ph, Sie, Tho
D.....4	50.04.1107	3,3V Z	82X 55-C3V3	ITT, Mot, Ph, Tf, Tho
DLQ...1	50.99.0166	OPB 826		Op
IC.....1	50.15.0114	uA9637ACP	9637 ATC	Fc, TI
IC.....2	50.05.0286	LW 358 H	LW 358 P	NS, Mot, SGS, TI
01 IC.....2	50.09.0122	TLC 272 C	TS 272 CN	SGS, TI
P.....1	54.14.2001	10 cont.	see note 1	
Q.....1	50.03.0351	BC 327-25		ITT, Ph, Sie
Q.....2	50.03.0351	BC 327-25		ITT, Ph, Sie
R.....1	57.11.3224	220 kOhm	1%	
R.....2	57.11.3224	220 kOhm	1%	
R.....3	57.11.3102	1 kOhm	1%	
R.....4	57.11.3102	1 kOhm	1%	
R.....5	57.11.3102	1 kOhm	1%	
R.....6	57.11.3181	180 Ohm	1%	
R.....7	57.11.3181	180 Ohm	1%	
R.....8	57.11.3224	220 kOhm	1%	
R.....9	57.11.3224	220 kOhm	1%	
R.....10	57.11.3102	1 kOhm	1%	
R.....11	57.11.3102	1 kOhm	1%	
R.....12	57.11.3102	1 kOhm	1%	
R.....13	57.11.3271	270 Ohm	1%	

(01) 14.03.89 Improved reliability at high tape speed.

Note 1 - Connector 10 contacts:
 Yamachi nr. FAP-10-08-40SS
 Burndy nr. BPH 9 810 B00 GS
 3M nr. 7610-6002 VZ

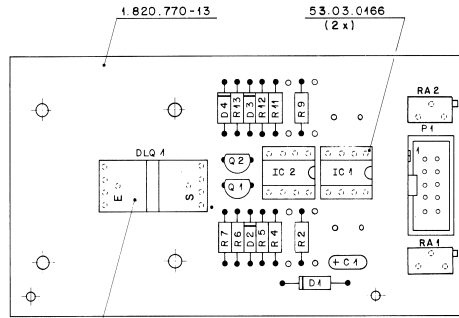
EI=Electrolytic, Sal=Solid aluminium

MANUFACTURER: Fc=Fairchild, ITT=Intermetall, Mot=Motorola, NS=National
 Swissconductor, Op=Optron, Ph=Phillips, SGS=SGS/Aias,
 Sie=Siemens, Tf=Telefunken, Tho=Thomson, TI=Texas Instrument.

1.820.770.81 MOVE SENSOR PZ 88/04/1900
 1.820.770.81 MOVE SENSOR PZ 89/03/1401



MOVE SENSOR 1.820.770.82



DLQ4 satt auflegend
auf Bestückungsseite
montiert.

43.01.0108 und
Schild 1.820.770-01
aufgeklebt nach Fabrikationsmuster.

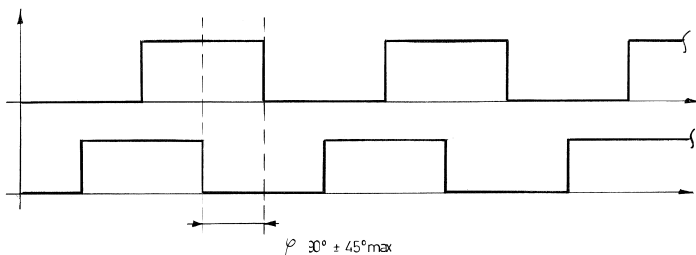
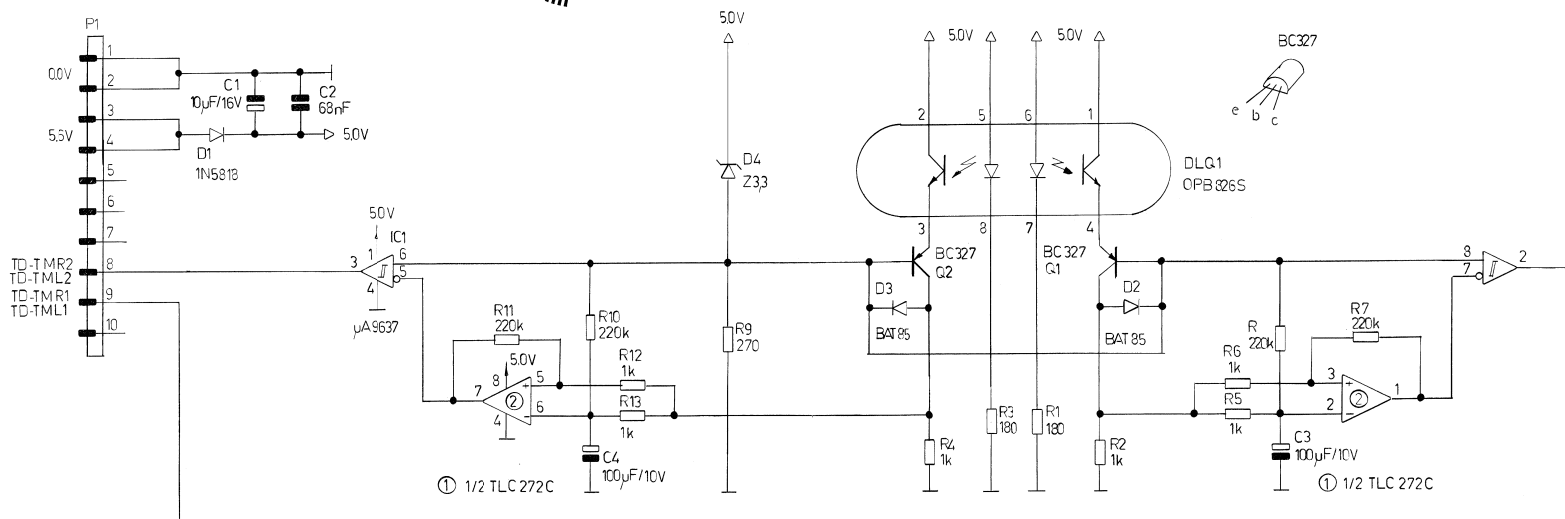
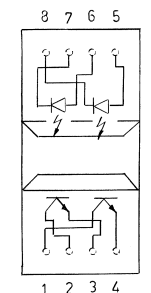
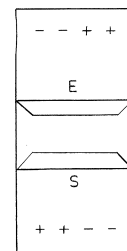
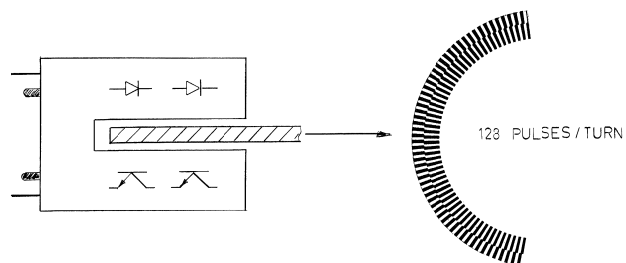
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.26.2100	10 nF	20X, 16V, Sal							
C....2			not used								
C....3			not used								
D....1		50.04.0512	1N 5818	1N 5818	Not						
D....2		50.04.0127	BAT 42	BAT 85, 3AS 40-02,	Pb,Stk,The						
D....3		50.04.0127	BAT 42	BAT 85, 3AS 40-02,	Pb,Stk,The						
D....4		50.04.1107	3x3W Z	82K 55-CV03	ITT,Not,Pb,Fr,The						
DLQ..1		50.99.0166	QPS 826		Op						
IC....1		50.15.0114	48963TAP	9637 ATC	Fo,TI						
IC....2		50.05.0286	LM 359 P	LM 359 P	NS,Not,S02,71						
IC....3		50.09.0122	IC 272 C	75 272 C	S02,71						
F....1		54.14.2001	10 conl.	see note 1							
Q....1		50.03.0351	BC 327-25		ITT,Ph,Stk						
Q....2		50.03.0351	BC 327-25		ITT,Ph,Stk						
R....1		57.11.3224	220 kOhm	1X							
R....2			not used								
R....3			not used								
R....4		57.11.3102	1 kOhm	1X							
R....5			factory	adjusted							
R....6		57.11.3181	180 Ohm	1X							
R....7		57.11.3181	180 Ohm	1X							
R....8			not used								
R....9		57.11.3224	220 kOhm	1X							
R....10			not used								
R....11		57.11.3102	1 kOhm	1X							
R....12			factory	adjusted							
R....13		57.11.3271	270 Ohm	1X							
RA....1		58.05.0202	2 kOhm	10X multi turn							
RA....2		58.05.0202	2 kOhm	10X multi turn							

CO1) 11.01.90 Printout error
Note 1 - Connector 10 contacts:
Kamechi nr. FAF-10-08-40SS
Bundy nr. 391 9 810 300 SS
3M nr. 7610-6002 VZ

E1=Electrolytic, Sal=Solid aluminium
MANUFACTURER: Fo=Fairchild, ITT=Intermetal, Mot=Motorola, NS=National
On=Onducor, Op=Opticon, Ph=Philips, S02=S02/Atsee,
Stk=Siemens, Tz=TeleDuker, Tho=Thomson, TI=Texas Instrument.



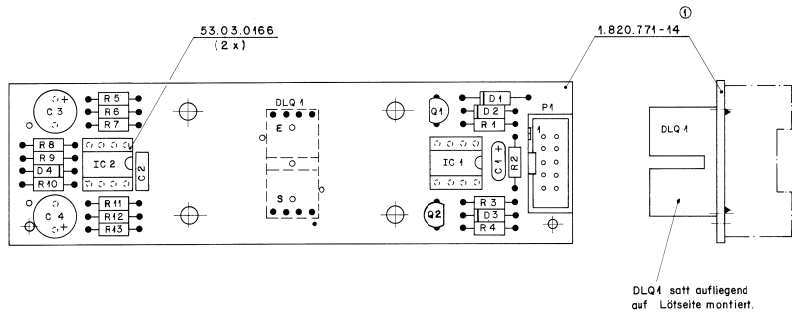
MOTOR TACHO 1.820.771.82



① 18.01.88 ZOLLER	① 14.03.89 ZOLLER	○ . . .	○ . . .	○ . . .
A 820	PAGE 1 OF 1			
STUDER	MOTOR TACHO	SC	1.820.771.82	



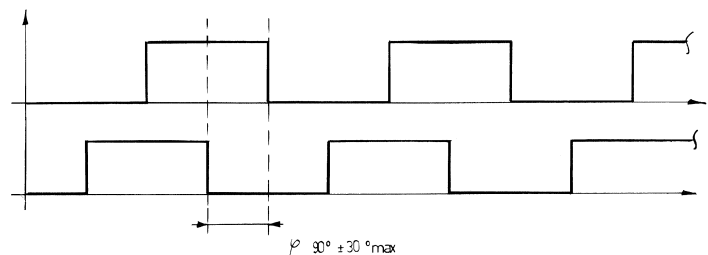
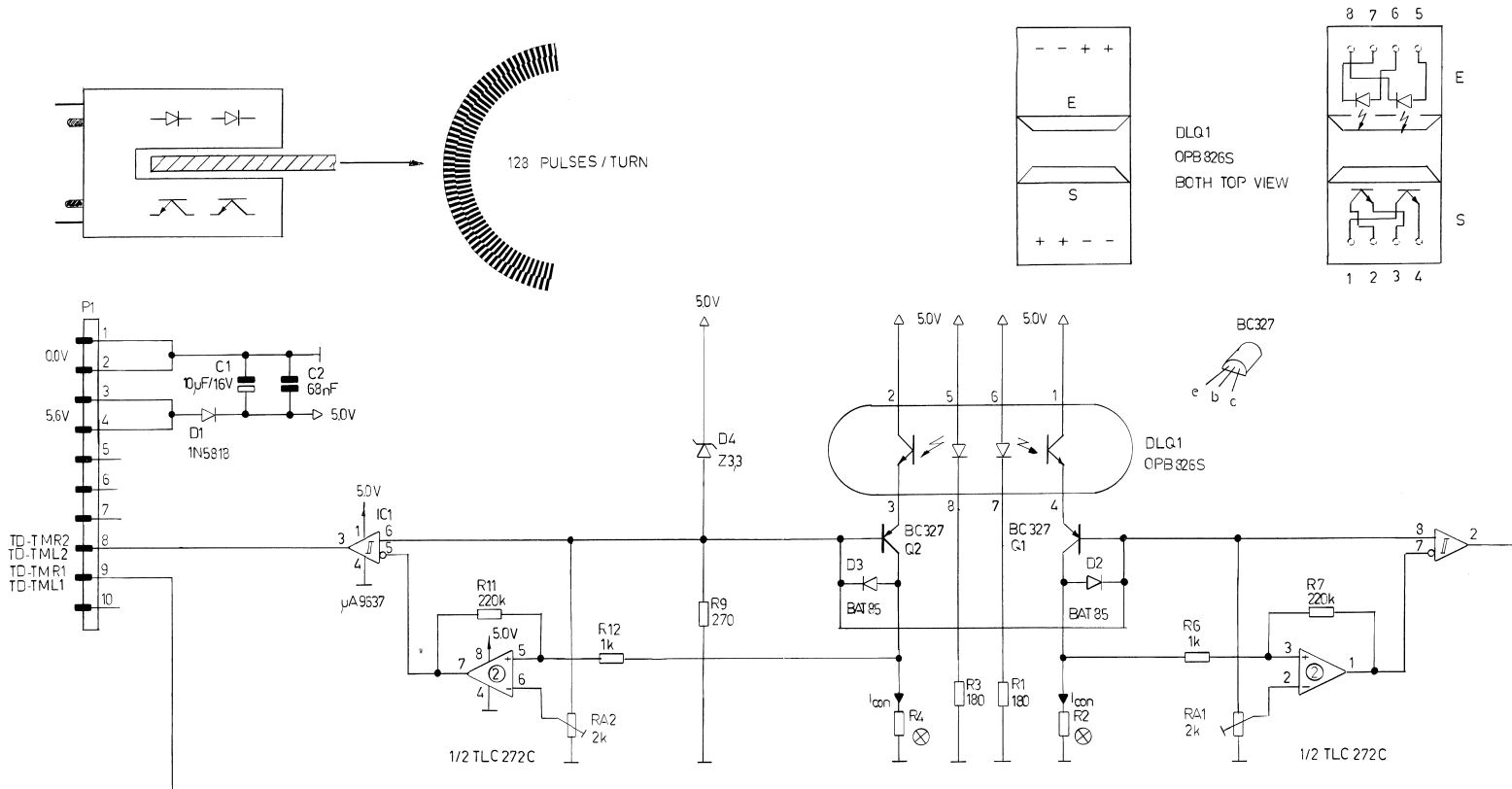
MOTOR TACHO 1.820.771.82



ID.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	ID.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.26.2195	10 uF	20%, 10V, Sal							
C....2		59.56.0689	68 uF	10%, 63V, PTF							
C....3		59.22.5101	100 uF	-20%, 25V, E1							
C....4		59.26.0103	100 uF	-20%, 25V, E1							
D....1		50.04.0512	1N 5918	1N 5918	Net						
D....2		50.04.0127	BAT 42	BAT SS, BAS 40-02,	Ph/Sie/Tho						
D....3		50.04.0127	BAT 42	BAT SS, BAS 40-02,	Ph/Sie/Tho						
D....4		50.04.1107	3.9V Z	BZX 55-CV3	ITT/Net/Ph/Ti/Tho						
DLQ...1		50.99.0166	OPB 926		Op						
IC...1		50.15.014	uA9637ACP	9637 ATC	Fe/Ti						
IC...2		50.05.0286	LM 339 N	LM 339 E	MS/Net/SSS/71						
IC...2		50.09.0122	TLC 272 C	TS 272 CN	SSS/71						
F....1		54.14.2001	10 cent.	see note 1							
Q....1		50.03.0351	BC 327-25		ITT/Ph/Sie						
Q....2		50.03.0351	BC 327-25		ITT/Ph/Sie						
R....1		57.11.3181	180 Ohm	1X							
R....2		57.11.3102	1 kOhm	1X							
R....3		57.11.3181	180 Ohm	1X							
R....4		57.11.3102	1 kOhm	1X							
R....5		57.11.3102	1 kOhm	1X							
R....6		57.11.3102	1 kOhm	1X							
R....7		57.11.3224	220 kOhm	1X							
R....8		57.11.3224	220 kOhm	1X							
R....9		57.11.3271	270 Ohm	1X							
R....10		57.11.3224	220 kOhm	1X							
R....11		57.11.3224	220 kOhm	1X							
R....12		57.11.3102	1 kOhm	1X							
R....13		57.11.3102	1 kOhm	1X							

ORIG 88/04/19 (01) 89/03/14

MOTOR TACHO 1.820.771.83



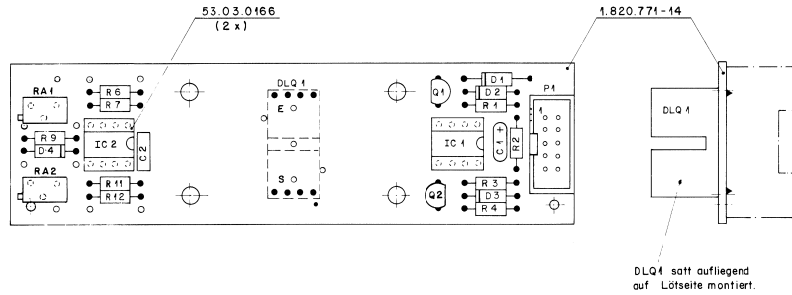
⊗ R2/R4 factory adjusted according to following table
 coupling measured without tacho disk
 I_{con} measurement R2/R4 replaced by digital milliamperemeter

I_{con}	250 μ A	360 μ A	520 μ A	720 μ A	107 mA	155 mA	2,2 mA	3,1 mA	4,6 mA	65 mA	10 mA
R2/R4	7k5	5k1	3k6	2k4	1k6	1k2	620	560	390	270	

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STUDER	MOTOR TACHO	SC 1.820.771.83

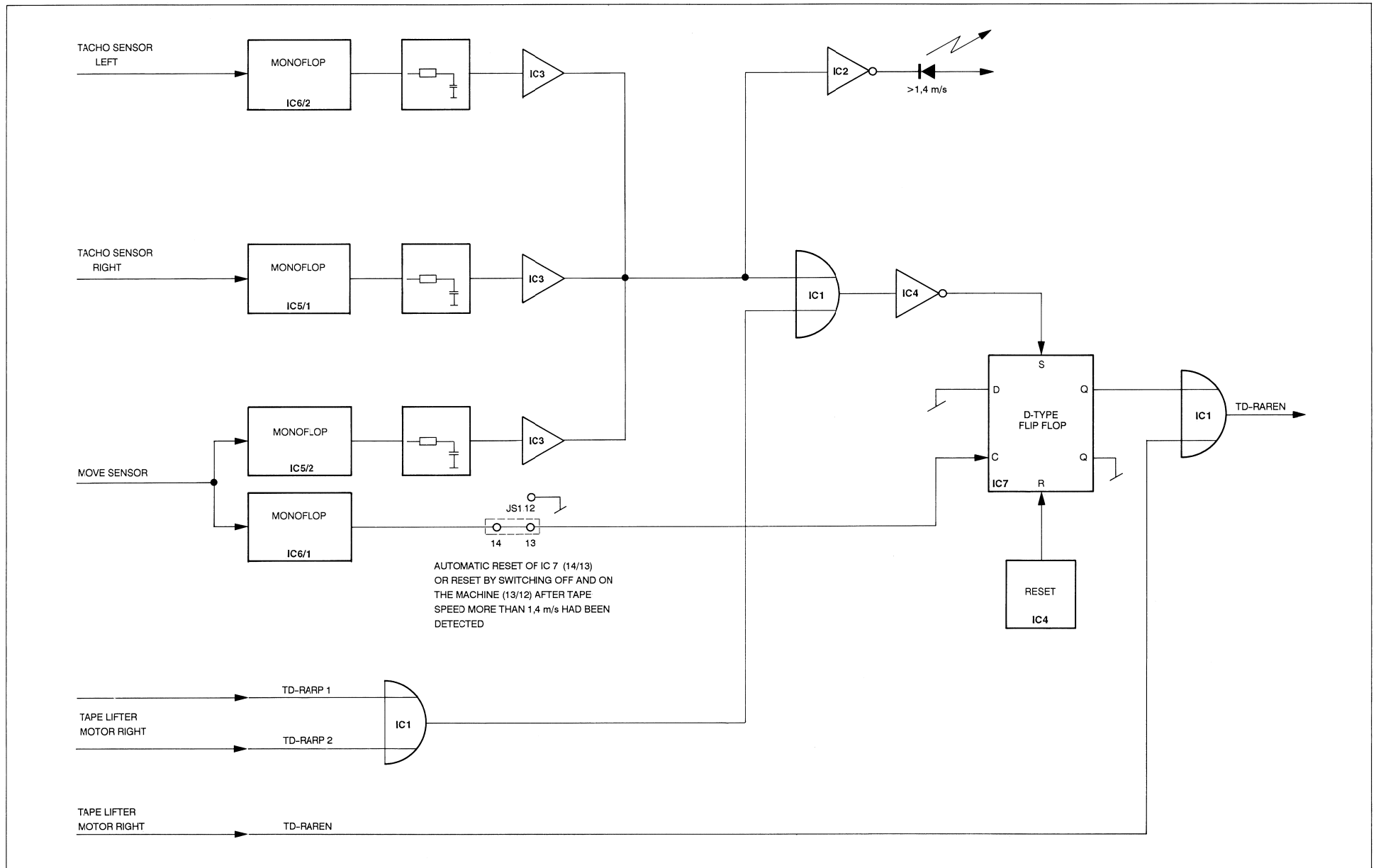


MOTOR TACHO 1.820.771.83



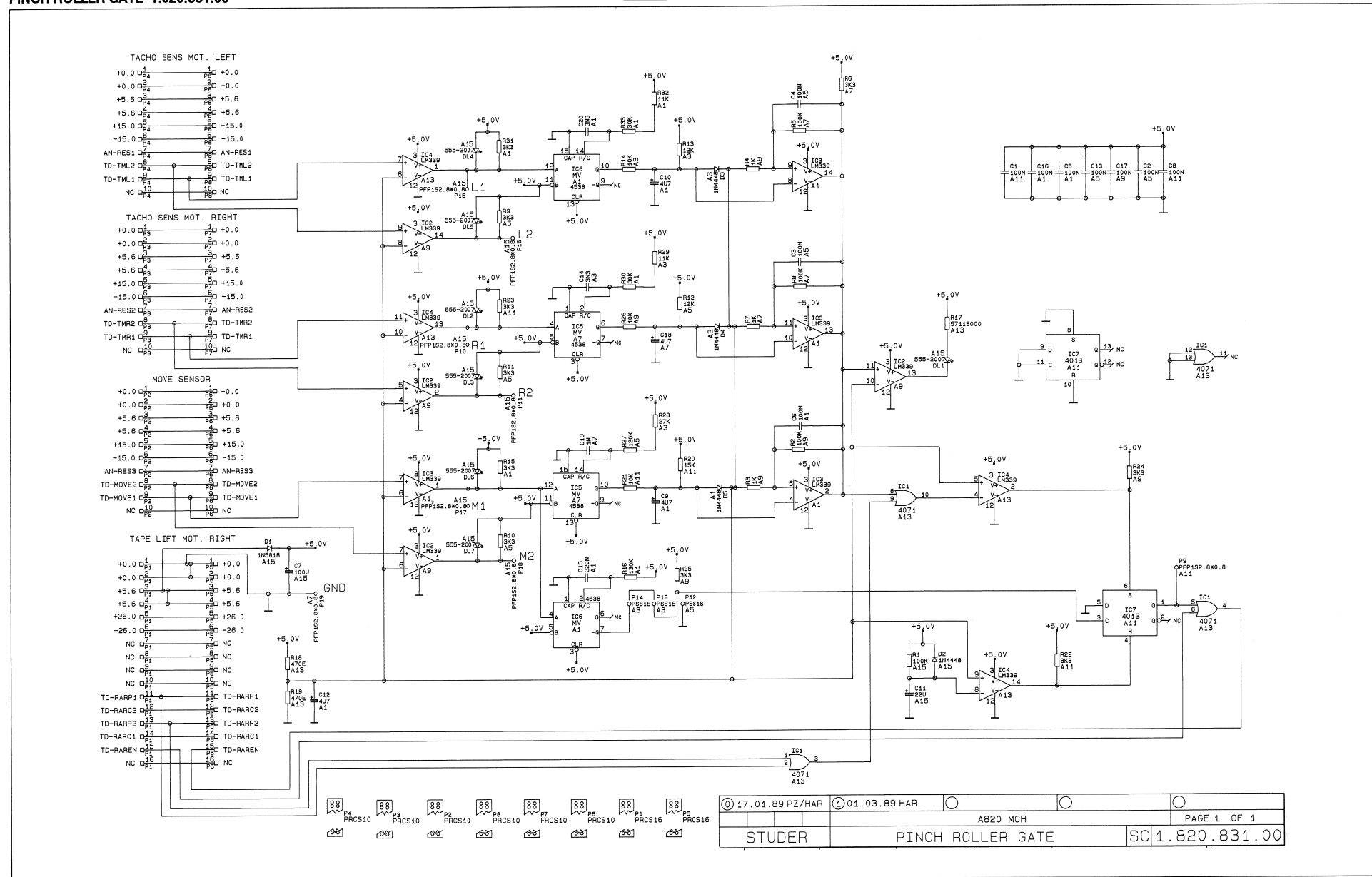
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.26.2100	10 uF	20%, 16V, Sal							
C....2		59.06.0689	68 nF	10%, 63V, PTFP							
C....3			not used								
C....4			not used								
D....1		50.04.0512	1N 5918	1N 5918	Net						
D....2		50.04.0127	BAT 42	BAT 85, BAS 40-02,	Ph/Sie/Tho						
D....3		50.04.0127	BAT 42	BAT 85, BAS 40-02,	Ph/Sie/Tho						
D....4		50.04.1107	3-3W Z	32X 35-CV03	ITT/Mot/Phu/TE/Tho						
DLQ...1		50.99.0166	QFB 826		Op						
IC....1		50.15.0114	uA9637AFC	9637 ATC	Fo/PI						
(00)	IC....2	50.05.0286	LM 358 N	LM 358 I	NS/Mot/SOS/PI						
(01)	IC....2	50.09.0122	TLC 272 C	723 272 C8	SOS/PI						
F....1		54.14.2001	10 const.	see note 1							
Q....1		50.03.0351	BC 327-25		ITT/Ph/Sie						
Q....2		50.03.0351	BC 327-25		ITT/Ph/Sie						
R....1		57.11.3181	180 Ohm	1X							
R....2			factory	not used							
R....3		57.11.3181	180 Ohm	1X							
R....4			factory	not used							
R....5			not used								
R....6		57.11.3102	1 kOhm	1X							
R....7		57.11.3224	220 kOhm	1X							
R....8			not used								
R....9		57.11.3271	270 Ohm	1X							
R....10			not used								
R....11		57.11.3224	220 kOhm	1X							
R....12		57.11.3102	1 kOhm	1X							
R....13			not used								
RA....1		58.05.0202	2 kOhm	10%, multi turn							
RA....2		58.05.0202	2 kOhm	10%, multi turn							

BLOCK DIAGRAM
PINCH ROLLER GATE 1.820.831

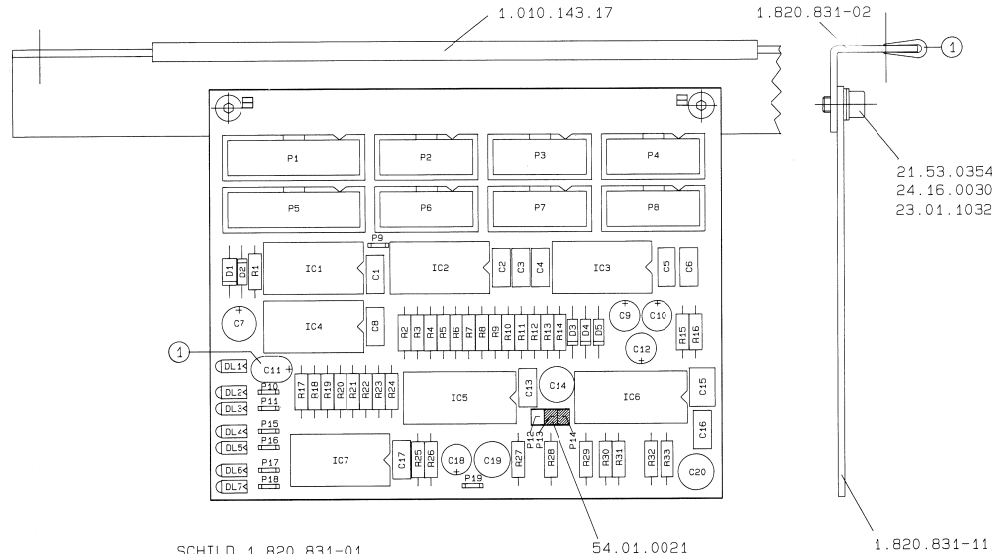




PINCH ROLLER GATE 1.820.831.00



PINCH ROLLER GATE 1.820.831.00



SCHILD 1.820.831-01
AUFGELEBT NACH FABRIKATIONSMUSTER

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...	2	80.11.0104	1M 339	TDR 0139 DP	Met/RS/SGS
IC...	3	80.11.0104	1M 339	TDR 0139 DP	Met/RS/SGS
IC...	4	80.11.0104	1M 339	TDR 0139 DP	Met/RS/SGS
IC...	5	80.07.1588	MC1458BCP	HEF 4558 BP	Met/Ph
IC...	6	80.07.1588	MC1458BCP	HEF 4558 BP	Met/Ph
IC...	7	80.07.0013	MC14013BCP	HEF 4013 BP, CD 4013 BE	Met/Ph,RCA/SGS
F....	1	84.14.2002	16 cont.	see note 1	
F....	2	84.14.2001	10 cont.	see note 2	
F....	3	84.14.2001	10 cont.	see note 2	
F....	4	84.14.2001	10 cont.	see note 2	
F....	5	84.14.2002	16 cont.	see note 1	
F....	6	84.14.2001	10 cont.	see note 2	
F....	7	84.14.2001	10 cont.	see note 2	
F....	8	84.14.2001	10 cont.	see note 2	
F....	9	84.02.0320	Flat-pin	Teatpoint	
F....	10	84.02.0320	Flat-pin	Teatpoint	
F....	11	84.02.0320	Flat-pin	Teatpoint	
F....	12	84.01.0020	Flu-atrip	see note 3	
F....	13	84.01.0020	Flu-atrip	see note 3	
F....	14	84.01.0020	Flu-atrip	see note 3	
F....	15	84.02.0320	Flat-pin	Teatpoint	
F....	16	84.02.0320	Flat-pin	Teatpoint	
F....	17	84.02.0320	Flat-pin	Teatpoint	
F....	18	84.02.0320	Flat-pin	Teatpoint	
F....	19	84.02.0320	Flat-pin	Teatpoint	
R....	1	87.11.3104	100 kOhm	2K	
R....	2	87.11.3104	100 kOhm	2K	
R....	3	87.11.3102	1 kOhm	2K	
R....	4	87.11.3102	1 kOhm	2K	
R....	5	87.11.3104	100 kOhm	2K	
R....	6	87.11.3332	3.3 kOhm	2K	
R....	7	87.11.3102	1 kOhm	2K	
R....	8	87.11.3104	100 kOhm	2K	
R....	9	87.11.3332	3.3 kOhm	2K	
R....	10	87.11.3332	3.3 kOhm	2K	

STUDER (01) 89/02/09 BD PINCH ROLLER GATE PL 1.820.831.00 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....	11	87.11.3332	3.3 kOhm	2K	
R....	12	87.11.3123	12 kOhm	1K	
R....	13	87.11.3123	12 kOhm	1K	
R....	14	87.11.3123	10 kOhm	1K	
R....	15	87.11.3332	3.3 kOhm	2K	
R....	16	87.11.3234	150 kOhm	2K	
R....	17	87.11.3000	0 Ohm		
R....	18	87.11.3471	470 Ohm	1K	
R....	19	87.11.3471	470 Ohm	1K	
R....	20	87.11.3153	15 kOhm	1K	
R....	21	87.11.3103	10 kOhm	1K	
R....	22	87.11.3332	3.3 kOhm	2K	
R....	23	87.11.3332	3.3 kOhm	2K	
R....	24	87.11.3332	3.3 kOhm	2K	
R....	25	87.11.3332	3.3 kOhm	2K	
R....	26	87.11.3103	10 kOhm	1K	
R....	27	87.11.3124	120 kOhm	1K	
R....	28	87.11.3273	27 kOhm	1K	
R....	29	87.11.3113	11 kOhm	1K	
R....	30	87.11.3202	20 kOhm	1K	
R....	31	87.11.3332	3.3 kOhm	2K	
R....	32	87.11.3113	11 kOhm	1K	
R....	33	87.11.3303	30 kOhm	1K	

STUDER (01) 89/02/09 BD PINCH ROLLER GATE PL 1.820.831.00 PAGE 3

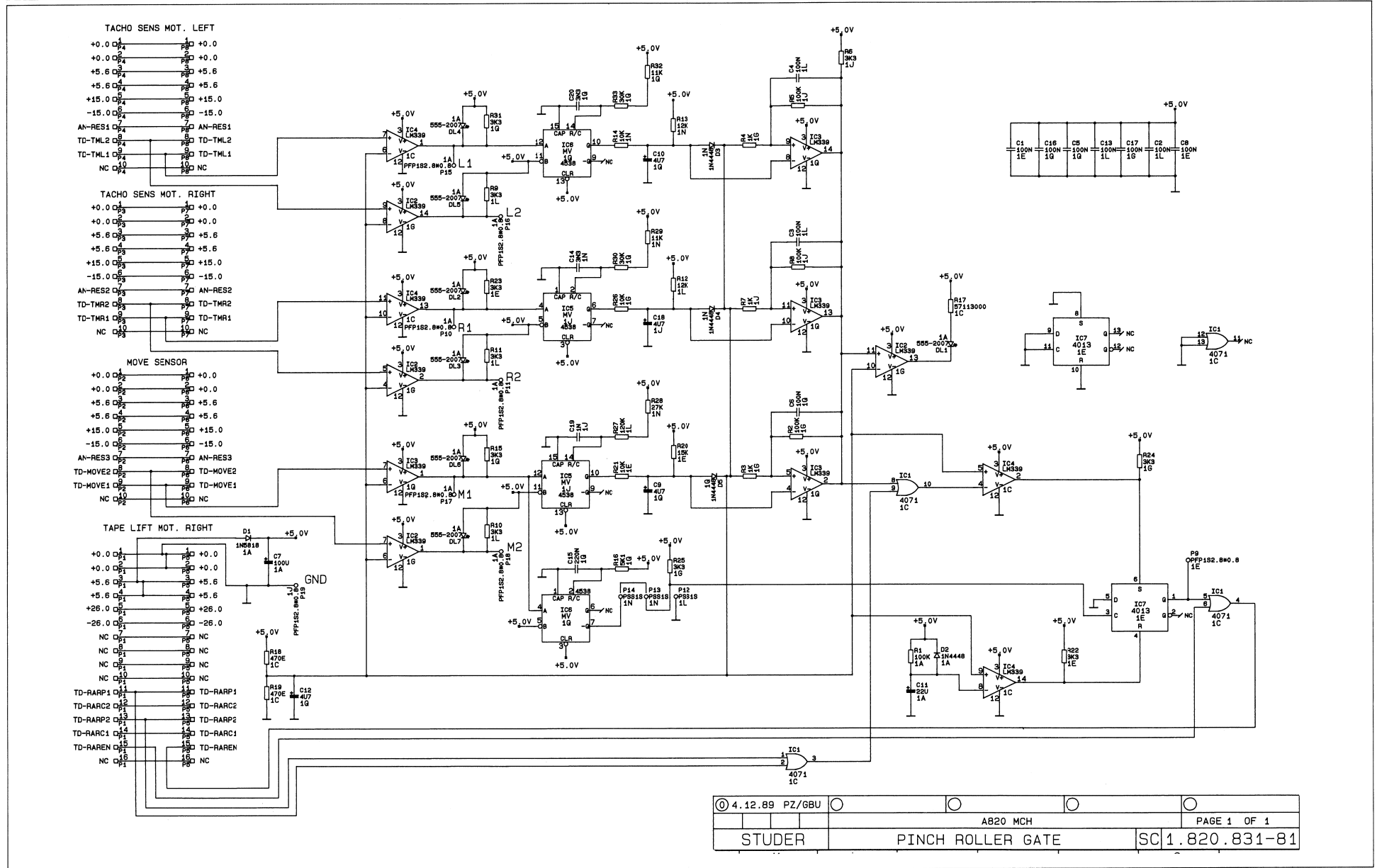
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....	1	89.04.0104	100 nF	10K, 63V, PETP	
C....	2	89.04.0104	100 nF	10K, 63V, PETP	
C....	3	89.04.0104	100 nF	10K, 63V, PETP	
C....	4	89.04.0104	100 nF	10K, 63V, PETP	
C....	5	89.22.3101	100 nF	20K, 25V, E1	
C....	6	89.04.0104	100 nF	10K, 63V, PETP	
C....	7	89.22.8479	4.7 nF	20K, 63V, E1	
C....	8	89.22.8479	4.7 nF	20K, 63V, E1	
C....	9	89.04.0224	220 nF	10K, 63V, PETP	
(01) C....	10	89.24.1220	22 nF	20K, 10V, Sal	
C....	11	89.22.8479	4.7 nF	20K, 63V, E1	
C....	12	89.04.0104	100 nF	10K, 63V, PETP	
C....	13	89.04.0104	100 nF	10K, 63V, PETP	
C....	14	89.05.1302	3.3 nF	15-100V, PF	
C....	15	89.04.0224	220 nF	10K, 63V, PETP	
C....	16	89.04.0104	100 nF	10K, 63V, PETP	
C....	17	89.04.0104	100 nF	10K, 63V, PETP	
C....	18	89.22.8479	4.7 nF	20K, 63V, E1	
C....	19	89.03.1102	1 nF	15-100V, PF	
C....	20	89.04.1332	3.3 nF	15-100V, PF	
D....	1	80.04.0512	1N 5818	1N 5819	Met
D....	2	80.04.0125	1N 4448		Met
D....	3	80.04.0125	1N 4448		Met
D....	4	80.04.0125	1N 4448		Met
D....	5	80.04.0125	1N 4448		Met
DE....	1	80.04.2107	855-2007	LED, red, 4if	D1
DE....	2	80.04.2107	855-2007	LED, red, 4if	D1
DE....	3	80.04.2107	855-2007	LED, red, 4if	D1
DE....	4	80.04.2107	855-2007	LED, red, 4if	D1
DE....	5	80.04.2107	855-2007	LED, red, 4if	D1
DE....	6	80.04.2107	855-2007	LED, red, 4if	D1
DE....	7	80.04.2107	855-2007	LED, red, 4if	D1
IC....	1	80.07.0022	MC14013BCP	CD 4013 BE, MCF 4071 BE	Met/RCA/SGS

STUDER (01) 89/02/09 BD PINCH ROLLER GATE PL 1.820.831.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(01) 09.02.09				Improved reset timing after power up.	
Note 1 - Connector:					
		Yamaichi nr.	FAP-16-08-40 SS		
		Bumdy nr.	89H 9 B 16 3 00 SS		
		3M nr.	7616-6002 VZ		
		Fanduit nr.	057.016.113		
Note 2 - Connector:					
		Yamaichi nr.	FAP-10-08-40 SS		
		Bumdy nr.	89H 9 B 10 3 00 SS		
		3M nr.	7610-6002 VZ		
		Fanduit nr.	057.010.113		
Note 3 - Jumper switch:					
		constant pin:			
		Berg nr.	77 311-102-36		
		Phillips nr.	2422 062 45041		
		3M nr.	54.01.0021		
		Berg nr.	65 474-001		
		Phillips nr.	2422 024 89003		
		E1=Electrolytic, PETP=Polyesterfilm, PFP=Polycarbonate,			
		Sal=Solid Aluminium.			
MANUFACTURER:		D=Diodes, F=Fairchild, IT=Intermetall, Met/Metocolor,			
		NS=National Semiconductor, Ph=Phillips, RCA=SC Corporation,			
		See=Seeonnes, SGS=SGS/Ate, Si=Siemens, Tf=Telefunken.			
ORIG	89/01/04	(01) 89/02/09			
STUDER	(01) 89/02/09	BD	PINCH ROLLER GATE	PL 1.820.831.00	PAGE 4

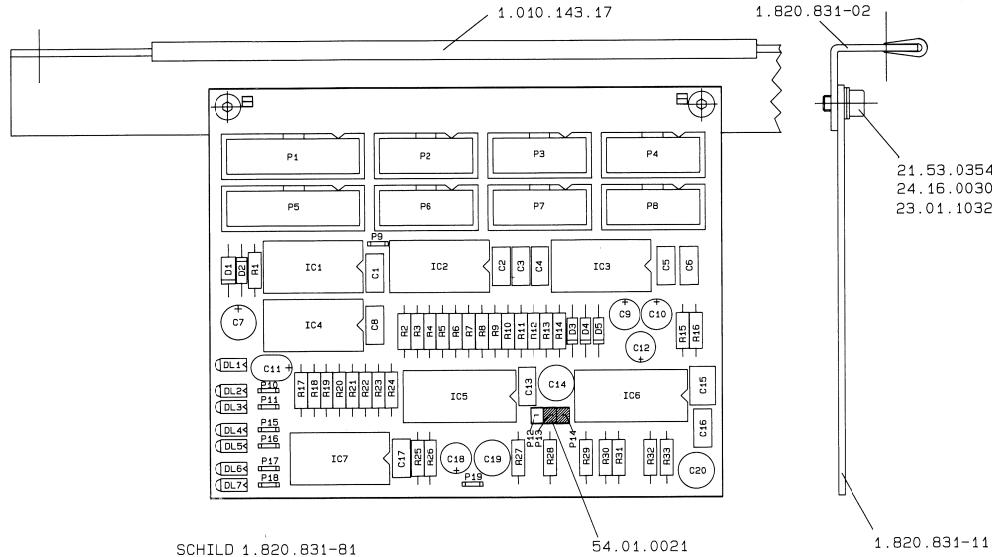


PINCH ROLLER GATE 1.820.831.81



④ 4.12.89 PZ/GBU	○	○	○	○
STUDER	AB20 MCH			PAGE 1 OF 1
PINCH ROLLER GATE			SC 1.820.831-81	

PINCH ROLLER GATE 1.820.831.81



SCHILD 1.820.831-81
AUFGEKLEBT NACH FABRIKATIONSMUSTER

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC....2	50.11.0104	LM 339	TDB 0139 DP		Not:RS;SOS
IC....3	50.11.0104	LM 339	TDB 0139 DP		Not:RS;SOS
IC....4	50.11.0104	LM 339	TDB 0139 DP		Not:RS;SOS
IC....5	50.07.1938	MC14588BCP	HEP 4038 BP		Not:Ph
IC....6	50.07.1938	MC14588BCP	HEP 4038 BP		Not:Ph
IC....7	50.07.0019	MC14013BCP	HEP 4013 BP; CD 4013 SE.		Not:Ph;RCA;SOS
F....1	54.14.0002	16 cont.	see note 1		
F....2	54.14.2001	10 cont.	see note 2		
F....3	54.14.2001	10 cont.	see note 2		
F....4	54.14.2001	10 cont.	see note 2		
F....5	54.14.2002	16 cont.	see note 1		
F....6	54.14.2001	10 cont.	see note 2		
F....7	54.14.2001	10 cont.	see note 2		
F....8	54.14.2001	10 cont.	see note 2		
F....9	54.02.0320	Flat-pin	Testpoint		
F....10	54.02.0320	Flat-pin	Testpoint		
F....11	54.02.0320	Flat-pin	Testpoint		
F....12	54.01.0020	Pin-wire	see note 3		
F....13	54.01.0020	Pin-wire	see note 3		
F....14	54.02.0320	Flat-pin	Testpoint		
F....15	54.02.0320	Flat-pin	Testpoint		
F....16	54.02.0320	Flat-pin	Testpoint		
F....17	54.02.0320	Flat-pin	Testpoint		
F....18	54.02.0320	Flat-pin	Testpoint		
F....19	54.02.0320	Flat-pin	Testpoint		
R....1	57.11.3104	100 kOhm	2%		
R....2	57.11.3104	100 kOhm	2%		
R....3	57.11.3102	1 kOhm	2%		
R....4	57.11.3102	1 kOhm	2%		
R....5	57.11.3104	100 kOhm	2%		
R....6	57.11.3332	3.3 kOhm	2%		
R....7	57.11.3102	1 kOhm	2%		
R....8	57.11.3104	100 kOhm	2%		
R....9	57.11.3332	3.3 kOhm	2%		
R....10	57.11.3332	3.3 kOhm	2%		

S T U D E R (00) 89/12/04 HRH PINCH ROLLER GATE PL 1.820.831.81 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....11	57.11.3332	3.3 kOhm	2%		
R....12	57.11.3129	12 kOhm	1%		
R....13	57.11.3129	12 kOhm	1%		
R....14	57.11.3109	10 kOhm	1%		
R....15	57.11.3332	3.3 kOhm	2%		
R....16	57.11.3512	5.1 kOhm	2%		
R....17	57.11.3504	4.7 Ohm	1%		
R....18	57.11.3471	470 Ohm	1%		
R....19	57.11.3471	470 Ohm	1%		
R....20	57.11.3153	15 kOhm	1%		
R....21	57.11.3109	10 kOhm	1%		
R....22	57.11.3332	3.3 kOhm	2%		
R....23	57.11.3332	3.3 kOhm	2%		
R....24	57.11.3332	3.3 kOhm	2%		
R....25	57.11.3332	3.3 kOhm	2%		
R....26	57.11.3109	10 kOhm	1%		
R....27	57.11.0104	120 kOhm	1%		
R....28	57.11.3273	27 kOhm	1%		
R....29	57.11.3115	31 kOhm	1%		
R....30	57.11.3203	30 kOhm	1%		
R....31	57.11.3332	3.3 kOhm	2%		
R....32	57.11.3113	11 kOhm	1%		
R....33	57.11.3309	30 kOhm	1%		

S T U D E R (00) 89/12/04 HRH PINCH ROLLER GATE PL 1.820.831.81 PAGE 3

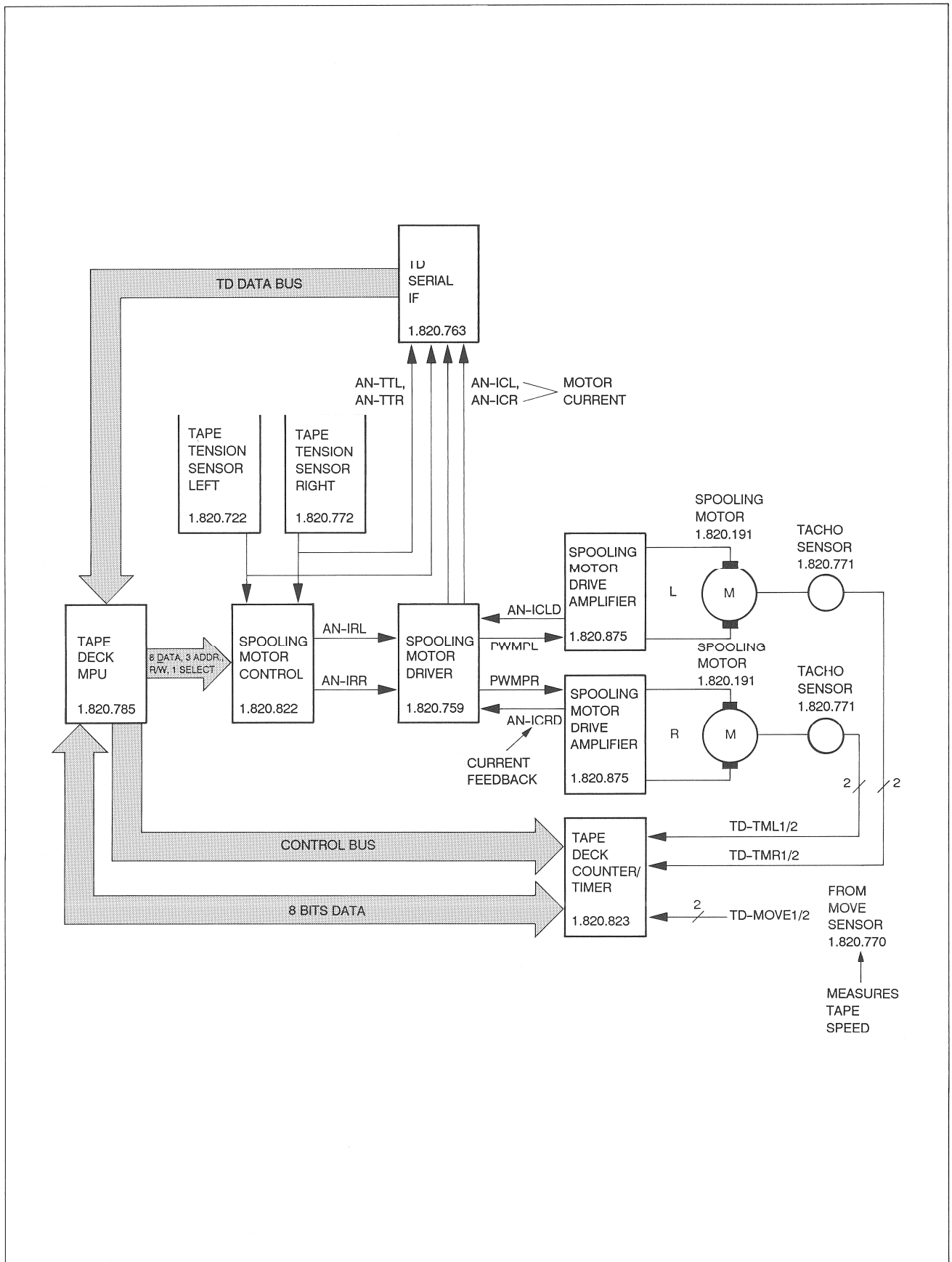
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1	59.06.0104	100 nF	10%, 63V, PETP		
C....2	59.06.0104	100 nF	10%, 63V, PETP		
C....3		not used			
C....4		not used			
C....5	59.06.0104	100 nF	10%, 63V, PETP		
C....6		not used			
C....7	59.22.3101	100 nF	20%, 25V, E1		
C....8	59.06.0104	100 nF	10%, 63V, PETP		
C....9	59.22.8479	4.7 nF	20%, 63V, E1		
C....10	59.22.8479	4.7 nF	20%, 63V, E1		
(00) C....11	59.06.0224	220 nF	10%, 63V, PETP		
(01) C....12	59.26.1220	22 nF	20%, 10V, Sal		
C....13	59.22.8479	4.7 nF	20%, 63V, E1		
C....14	59.06.0104	100 nF	10%, 63V, PETP		
C....15	59.06.0224	220 nF	10%, 63V, PETP		
C....16	59.06.0104	100 nF	10%, 63V, PETP		
C....17	59.06.0104	100 nF	10%, 63V, PETP		
C....18	59.22.8479	4.7 nF	20%, 63V, E1		
C....19	59.05.1102	1 nF	10%, 160V, PP		
C....20	59.05.1332	3.3 nF	10%, 160V, PP		
D....1	50.04.0512	18 5819	18 5819;		Mat
D....2	50.04.0125	18 4448			Fe;ITT;Ph;See;Ii
D....3	50.04.0125	18 4448			Fe;ITT;Ph;See;Ii
D....4	50.04.0125	18 4448			Fe;ITT;Ph;See;Ii
D....5	50.04.0125	18 4448			Fe;ITT;Ph;See;Ii
DL....1	50.04.2107	555-2007	LED, red, 4if.		Di
DL....2	50.04.2107	555-2007	LED, red, 4if.		Di
DL....3	50.04.2107	555-2007	LED, red, 4if.		Di
DL....4	50.04.2107	555-2007	LED, red, 4if.		Di
DL....5	50.04.2107	555-2007	LED, red, 4if.		Di
DL....6	50.04.2107	555-2007	LED, red, 4if.		Di
DL....7	50.04.2107	555-2007	LED, red, 4if.		Di
IC....1	50.07.0022	MC14013BCP	CD 4071 BE; HCF 4071 BE		Not;RCA;SOS

S T U D E R (00) 89/12/04 HRH PINCH ROLLER GATE PL 1.820.831.81 PAGE 1

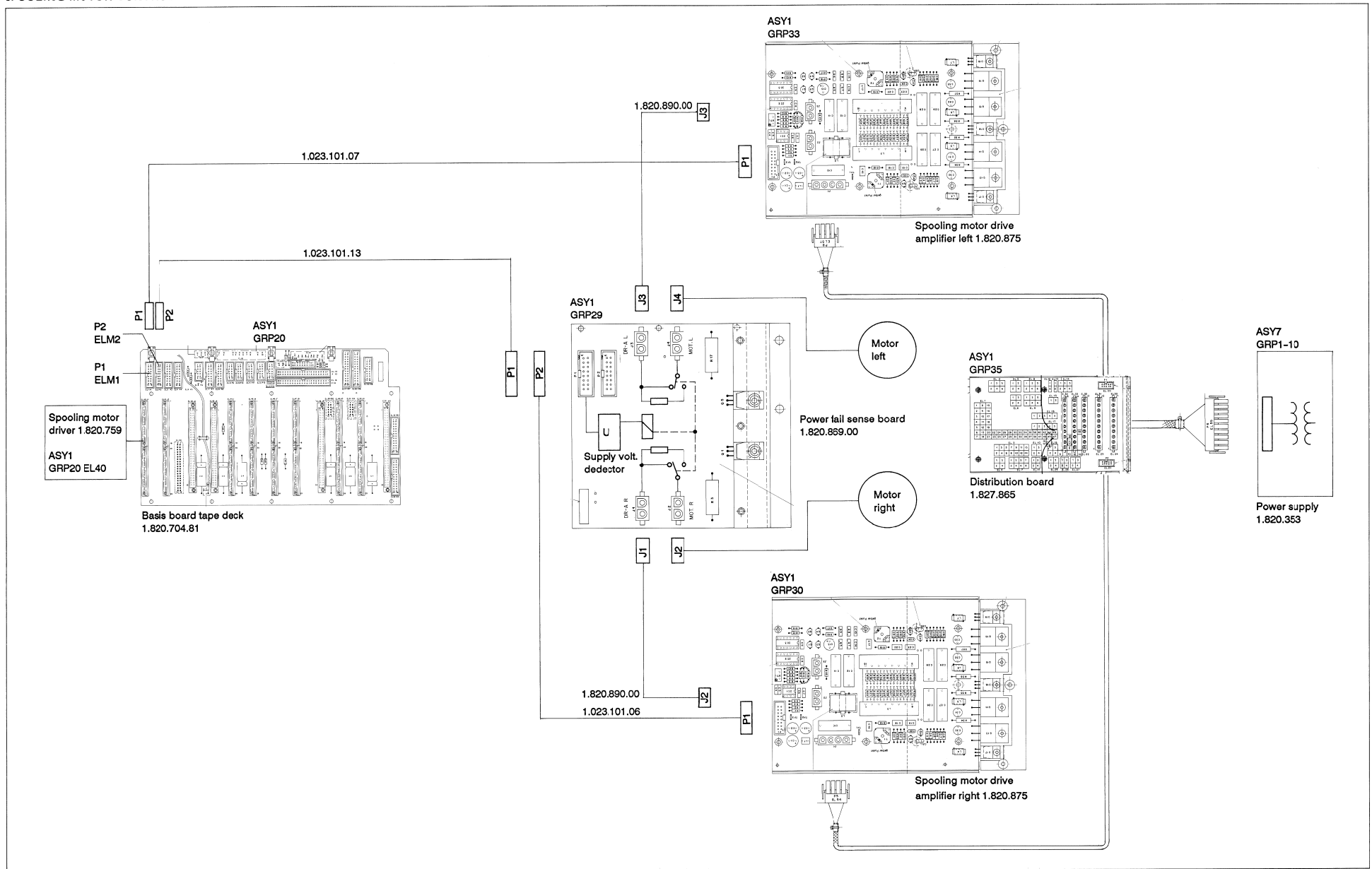
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1 - Connector:	16 contacts.	Yamaichi nr. FAP-16-08-40 SS			
		Bundy nr. BFR 9 B 16 B 00 SS			
		SW nr. 7616-6000 V0			
		Fanduit nr. CS7.016.113			
Note 2 - Connector:	10 contacts.	Yamaichi nr. FAP-10-08-40 SS			
		Bundy nr. BFR 9 B 10 B 00 SS			
		SW nr. 7610-6000 V0			
		Fanduit nr. CS7.010.113			
Note 3 - Jumper switch:		Berg nr. 77 311-102-36			
	contact pin:	Philips nr. 2422 062 43241			
	Bridge:	Berg nr. 54.01.0021			
		Berg nr. 65 474-001			
		Philips nr. 2422 004 88003			
		E1=Electrolytic; PETP=Polyesterfilm; PP=Polypropylene; Sal=Solid Aluminium.			
MANUFACTURER:	Di=Diablo; Fe=Fairchild; IIT=Intermetall; Not=Motorola; NS=National Semiconductor; Ph=Philips; RCA=RCA Corporation; See=Seecon; SOS=SOS/Atax; Si=Siemens; Tf=Telefunken.				

ORIG 89/12/04 S T U D E R (00) 89/12/04 HRH PINCH ROLLER GATE PL 1.820.831.81 PAGE 4

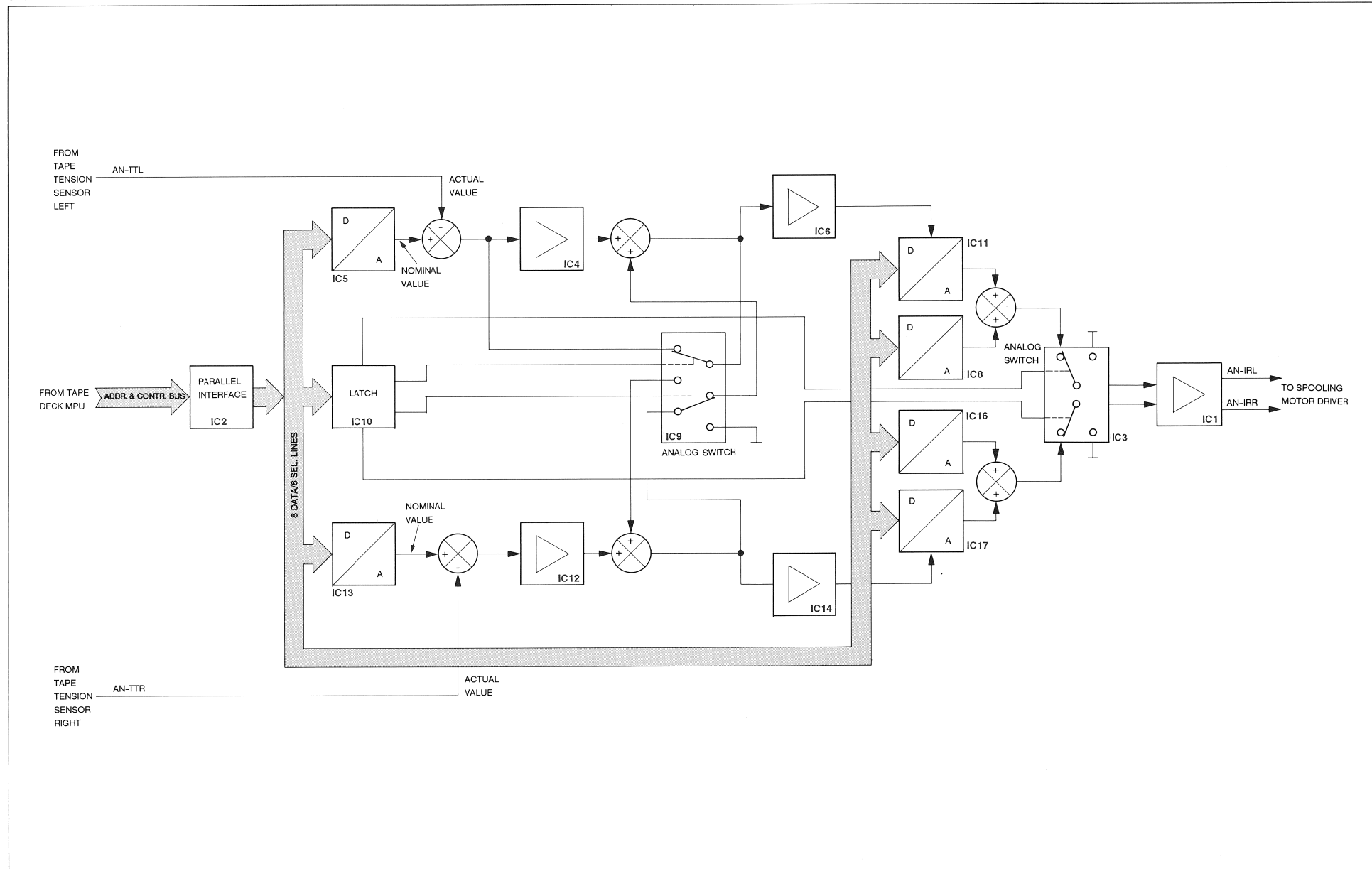
**BLOCK DIAGRAM
SPOOLING MOTOR CONTROL (SURVEY)**



WIRING DIAGRAM
SPOOLING MOTOR CONTROL

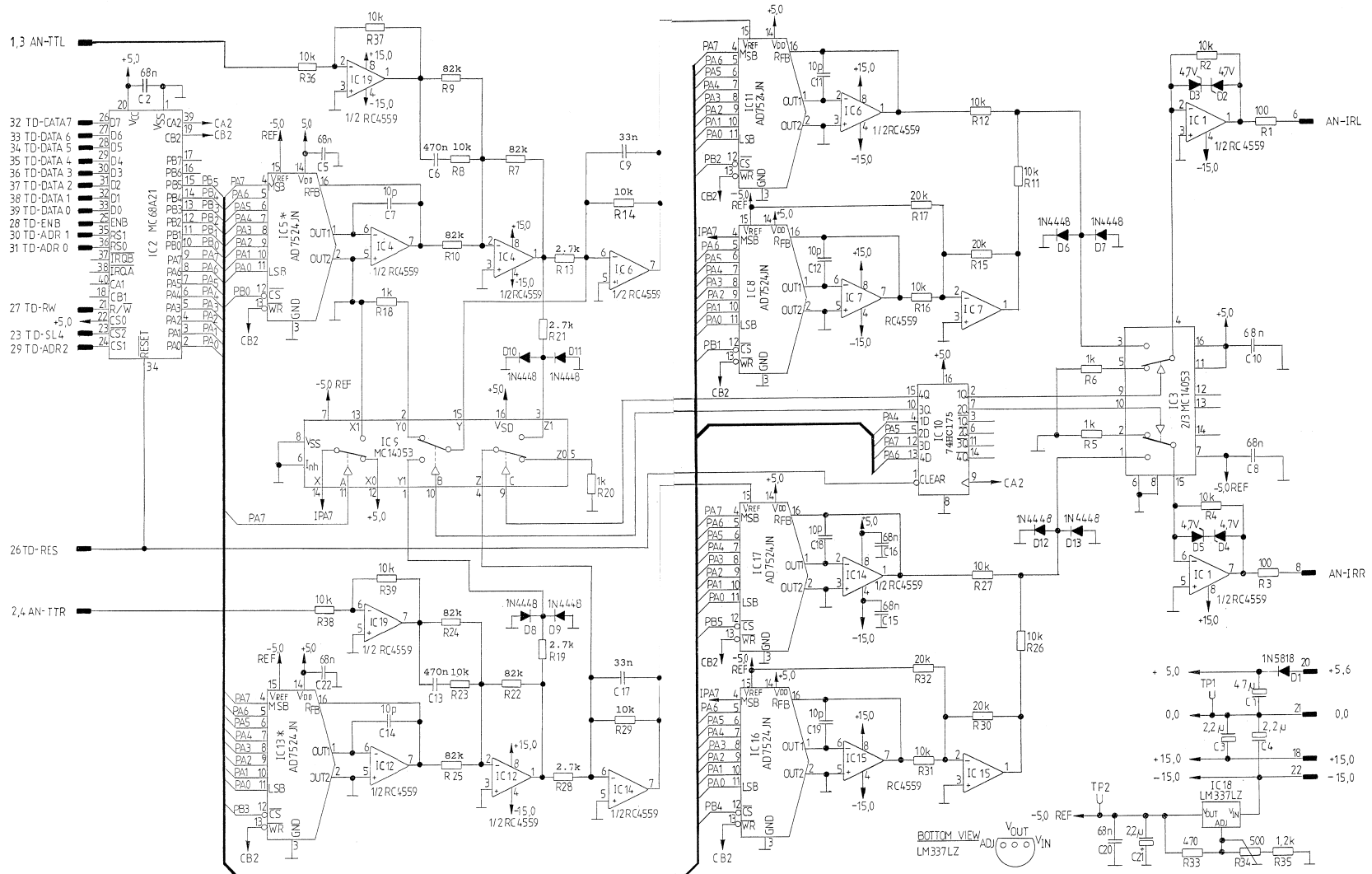


BLOCK DIAGRAM
SPOOLING MOTOR CONTROL 1.820.822





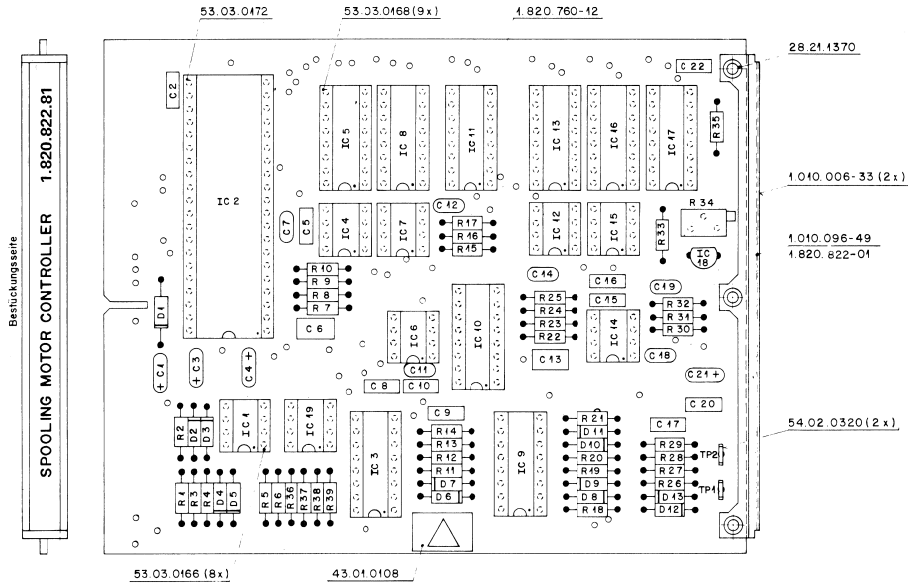
SPOOLING MOTOR CONTROL 1.820.822.81



* HAS BEEN MODIFIED

23.03.89	BD						
		A 820		PAGE 1 OF 1			
STUDER		Spooling Motor Control		SC 1.820.822.81			

SPOOLING MOTOR CONTROL 1.820.822.81



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...1	50.09.0107	RC 4559 MB	uPC 4559	slaw rate min. 1.5 V/us	REC/Ra
IC...2	50.16.0106	MC68 & 21P	S80 A 21P, P68 A 21P		AMI/Fer/Mot
IC...3	50.07.0015	MC14033BCEP	.. 4058 ..		Not:RS;Ph;RCA;T
IC...4	50.09.0107	RC 4559 MB	uPC 4559	slaw rate min. 1.5 V/us	REC/Ra
IC...5	50.07.0002	AD 7524 JN	M7 7524 JN		ADI;MPS
IC...6	50.09.0107	RC 4559 MB	uPC 4559	slaw rate min. 1.5 V/us	REC/Ra
IC...7	50.09.0107	RC 4559 MB	uPC 4559	slaw rate min. 1.5 V/us	REC/Ra
IC...8	50.07.0002	AD 7524 JN	M7 7524 JN		ADI;MPS
IC...9	50.07.0015	MC14033BCEP	.. 4058 ..		Not:RS;Ph;RCA;T
IC...10	50.17.1175	CD74HC175E	.. 74 HC 175 ..		Not:RS;Ph;RCA;SOS;Th;TI;To
IC...11	50.07.0002	AD 7524 JN	M7 7524 JN		ADI;MPS
IC...12	50.09.0107	RC 4559 MB	uPC 4559	slaw rate min. 1.5 V/us	REC/Ra
IC...13	50.07.0002	AD 7524 JN	M7 7524 JN		ADI;MPS
IC...14	50.09.0107	RC 4559 MB	uPC 4559	slaw rate min. 1.5 V/us	REC/Ra
IC...15	50.09.0107	RC 4559 MB	uPC 4559	slaw rate min. 1.5 V/us	REC/Ra
IC...16	50.07.0002	AD 7524 JN	M7 7524 JN		ADI;MPS
IC...17	50.07.0002	AD 7524 JN	M7 7524 JN		ADI;MPS
IC...18	50.10.0109	LM 337 LZ	uPC 4559	slaw rate min. 1.5 V/us	RS
IC...19	50.09.0107	RC 4559 MB	uPC 4559	slaw rate min. 1.5 V/us	REC/Ra
TP...1	54.02.0320			Test point	
TP...2	54.02.0320			Test point	
R...1	57.11.3101	100 Ohm	1X		
R...2	57.11.3103	10 kOhm	1X		
R...3	57.11.3101	100 Ohm	1X		
R...4	57.11.3103	10 kOhm	1X		
R...5	57.11.3102	1 kOhm	1X		
R...6	57.11.3102	1 kOhm	1X		
R...7	57.11.3823	82 kOhm	1X		
R...8	57.11.3103	10 kOhm	1X		
R...9	57.11.3823	82 kOhm	1X		
R...10	57.11.3103	10 kOhm	1X		
R...11	57.11.3103	10 kOhm	1X		
R...12	57.11.3823	82 kOhm	1X		
R...13	57.11.3272	2.7 kOhm	1X		
R...14	57.11.3103	10 kOhm	1X		

S T U D E R (00) 89/03/23 BD SPOOLING MOTOR CONTROLLER PL 1.820.822.01 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...15	57.11.0203	20 kOhm	1X		
R...16	57.11.3103	10 kOhm	1X		
R...17	57.11.0203	20 kOhm	1X		
R...18	57.11.3102	1 kOhm	1X		
R...19	57.11.3272	2.7 kOhm	1X		
R...20	57.11.3102	1 kOhm	1X		
R...21	57.11.3272	2.7 kOhm	1X		
R...22	57.11.3823	82 kOhm	1X		
R...23	57.11.3103	10 kOhm	1X		
R...24	57.11.3823	82 kOhm	1X		
R...25	57.11.3823	82 kOhm	1X		
R...26	57.11.3103	10 kOhm	1X		
R...27	57.11.3103	10 kOhm	1X		
R...28	57.11.3272	2.7 kOhm	1X		
R...29	57.11.3103	10 kOhm	1X		
R...30	57.11.0203	20 kOhm	1X		
R...31	57.11.3103	10 kOhm	1X		
R...32	57.11.32	20 kOhm	1X		
R...33	57.11.3471	470 Ohm	1X		
R...34	58.05.0501	500 Ohm	1X		
R...35	57.11.3122	1.2 kOhm	1X	see note 1	
R...36	57.11.3103	10 kOhm	1X		
R...37	57.11.3103	10 kOhm	1X		
R...38	57.11.3103	10 kOhm	1X		
R...39	57.11.3103	10 kOhm	1X		

S T U D E R (00) 89/03/23 BD SPOOLING MOTOR CONTROLLER PL 1.820.822.01 PAGE 3

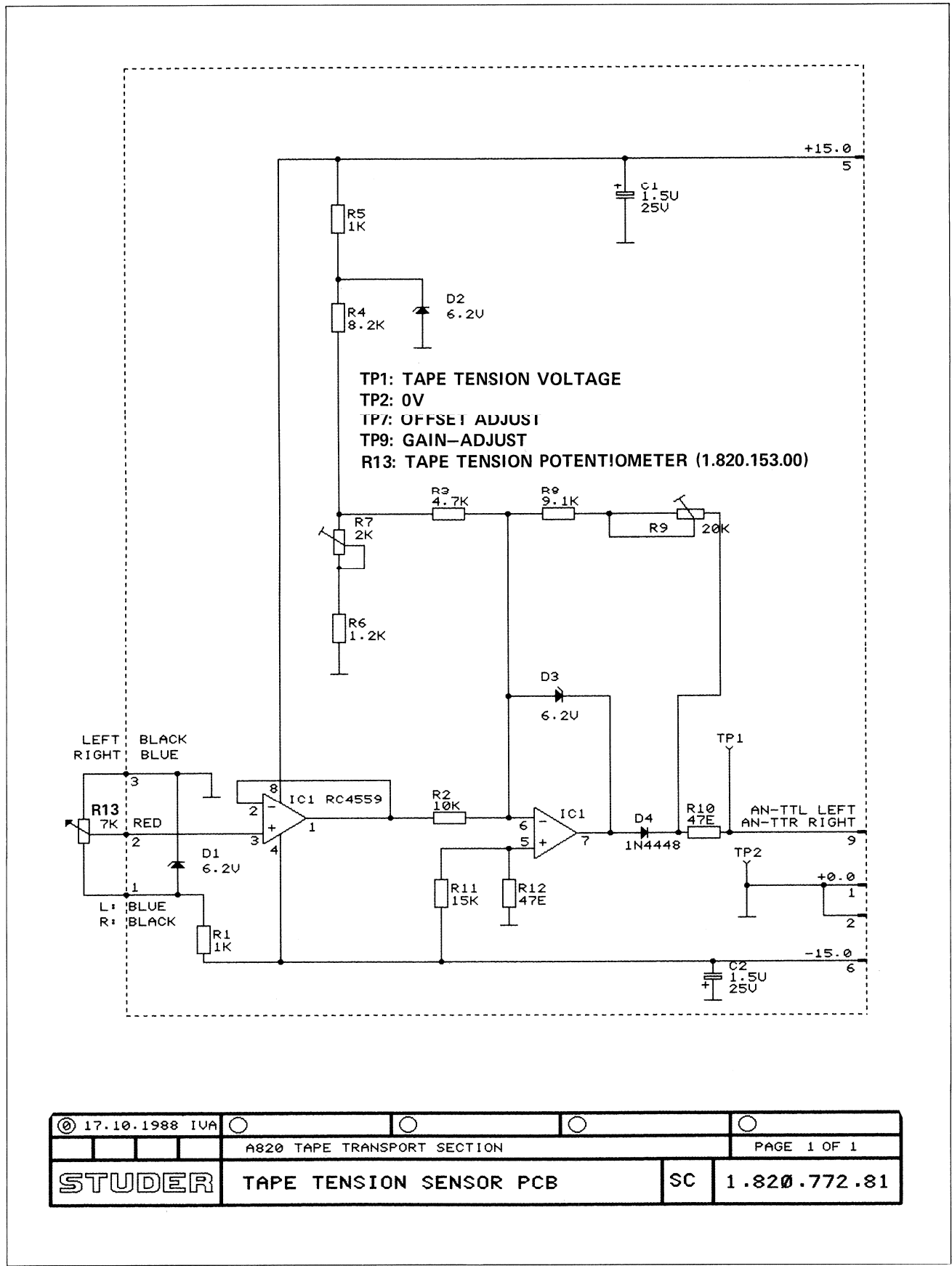
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...1	59.26.0470	47 uF	6.3V, Sal		
C...2	59.06.0683	68 nF			
C...3	59.26.5229	2.2 uF	25V, Sal		
C...4	59.26.5229	2.2 uF	25V, Sal		
C...5	59.06.0683	68 nF			
C...6	59.06.0474	470 nF	10X	Ce	
C...7	59.34.1100	10 pF			
C...8	59.06.0683	68 nF			
C...9	59.06.0332	33 nF	10X	Ce	
C...10	59.06.0683	68 nF			
C...11	59.34.1100	10 pF			
C...12	59.34.1100	10 pF			
C...13	59.06.0474	470 nF	10X	Ce	
C...14	59.34.1100	10 pF			
C...15	59.06.0683	68 nF			
C...16	59.06.0683	68 nF			
C...17	59.06.0332	33 nF	10X	Ce	
C...18	59.34.1100	10 pF			
C...19	59.34.1100	10 pF			
C...20	59.06.0683	68 nF			
C...21	59.26.5229	2.2 uF			
C...22	59.06.0683	68 nF	25V, Sal		
D...1	50.04.0512	18 5810	18 5810	Bit	
D...2	50.04.1123	4.7 V, Z	RKX83C 497, RKX55C 497, ZFD 4.7	ITV;Die	
D...3	50.04.1123	4.7 V, Z	RKX83C 497, RKX55C 497, ZFD 4.7	ITV;Die	
D...4	50.04.1123	4.7 V, Z	RKX83C 497, RKX55C 497, ZFD 4.7	ITV;Die	
D...5	50.04.1123	4.7 V, Z	RKX83C 497, RKX55C 497, ZFD 4.7	ITV;Die	
D...6	50.04.0125	18 4440			
D...7	50.04.0125	18 4440			
D...8	50.04.0125	18 4440			
D...9	50.04.0125	18 4440			
D...10	50.04.0125	18 4440			
D...11	50.04.0125	18 4440			
D...12	50.04.0125	18 4440			
D...13	50.04.0125	18 4440			

S T U D E R (00) 89/03/23 BD SPOOLING MOTOR CONTROLLER PL 1.820.822.01 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Not 1		Potentiometer	500 Ohm		
		Booster nr.	3256 Z - 1 - 501		
		Contactor nr.	189 KZ 501		
		Spawtel nr.	84 Z 500 000		
		Resista nr.	POT 3105 Z - 1 - 50.		
			Ce=Ceramic; Sal=Solid aluminum		
		MANUFACTURER:	ADI=Analog Devices Inc.; AM=American Microsystems Inc.;		
			AMI=Amibit; Met=Motorola; MS=Motorcycle Semicond.;		
			REC=Raytheon; S=Siemens; SCS=Siemens; SCS=Siemens; SCS=Siemens;		
			Ph=Philips; Ph=Raytheon; RCA=RCA Corp. of America;		
			Sig=Signetics; TI=Texas Instruments		

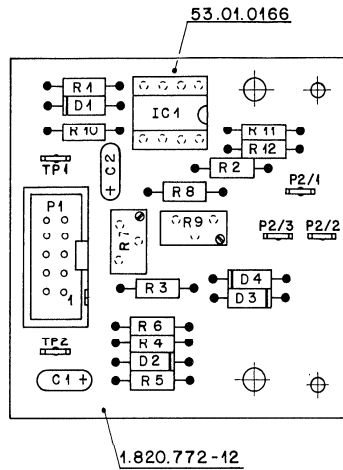
ORIG 89/03/23 S T U D E R (00) 89/03/23 BD SPOOLING MOTOR CONTROLLER PL 1.820.822.01 PAGE 4

TAPE TENSION SENSOR PCB 1.820.772.81



© 17.10.1988 IVA				
A820 TAPE TRANSPORT SECTION			PAGE 1 OF 1	
STUDER	TAPE TENSION SENSOR PCB		SC	1.820.772.81

TAPE TENSION SENSOR PCB 1.820.772.81

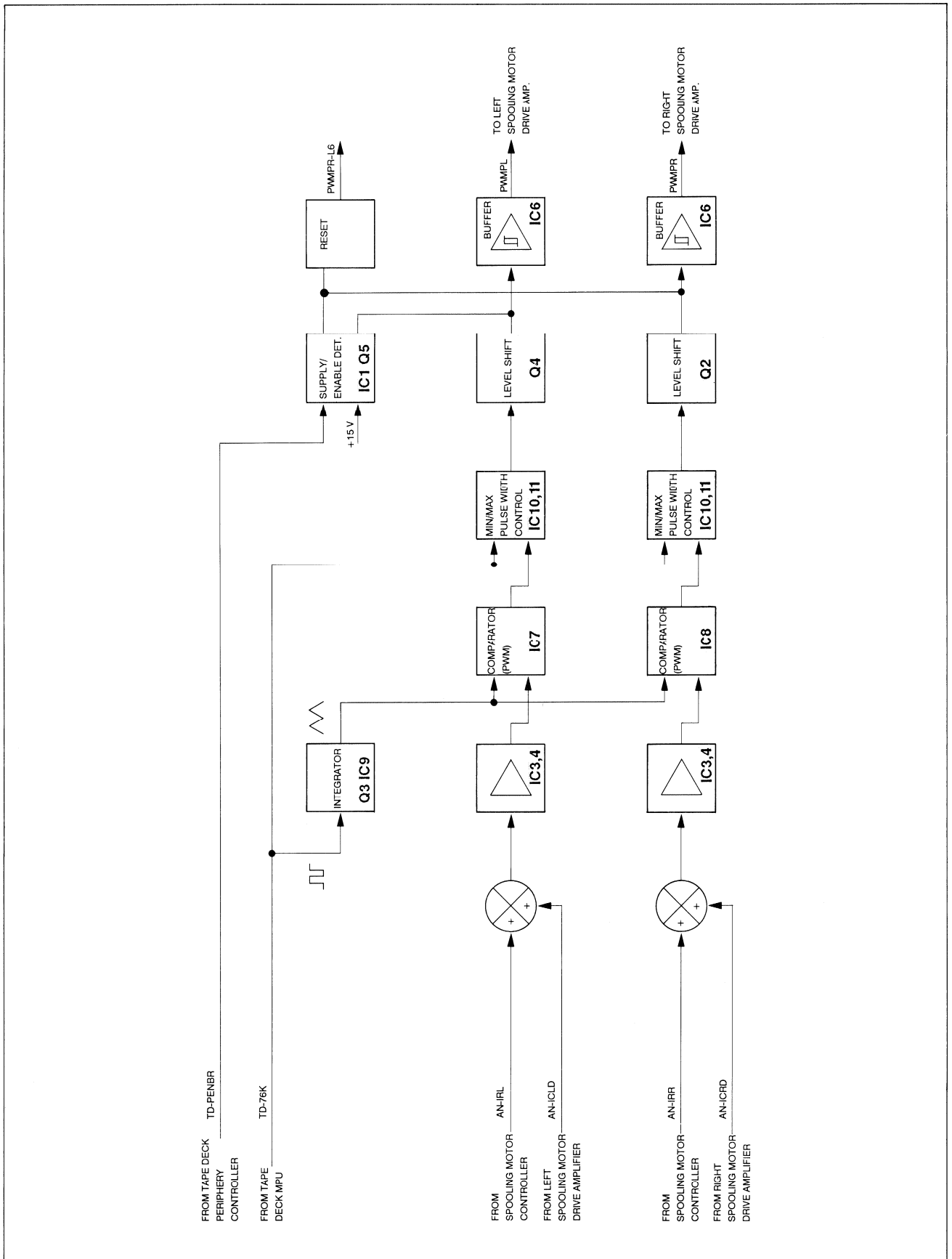


Schild 1.820.772-01
aufgeklebt nach Fabrikationsmuster.

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1	59.26.5159		1.5 uF	25V, Sal	Ph	Note 1 - Connector Burrndy Yanaichi BPH 7 B 10 B00 GS FAP-10-08//4					
C....2	59.26.5159		1.5 uF	25V, Sal	Ph						
D....1	50.04.1118		6.2 V Z	BZX 55 C6V2	ITT,Not,Ph,Tf,SGS,The	Note 2 - 2 kOhm Potentiometer, linear Allan Bradley Bourne Spectrol E 2B 202 386 F-1-202 63 M 202 T010					
D....2	50.04.1102		6.8 V Z	BZX 55 C6V8	ITT,Not,Ph,Tf,SGS,The						
D....3	50.04.1118		6.2 V Z	BZX 55 C6V2	ITT,Not,Ph,Tf,SGS,The						
D....4	50.04.0125		1 N 4448		Fc,ITT,Ph,SGS,TE						
IC....1	50.09.0107	RC 4559 NB	uPC 4559		NEC/Ra	Note 3 - 20 kOhm Potentiometer, linear Allan Bradley Bourne Spectrol E 2B 203 386 F-1-203 63 M 203 T010					
F....1	54.14.2001		10 cont.	see note 1							
F...2/1	54.02.0320										
F...2/2	54.02.0320										
F...2/3	54.02.0320					MANUFACTURER: Fc=Fairchild, ITT=Intermetall, Not=Motorola, NEC= Nippon Electric Corp., Ph=Phillips, Ra=Raytheon, SGS=SGS/Atev, Sem=Secosen, Tho=Thomson, Tf=Telefunken. Sal = Solid Aluminium.					
R....1	57.11.4102		1 kOhm								
R....2	57.11.4103		10 kOhm								
R....3	57.11.4472		4.7 kOhm								
R....4	57.11.4822		8.2 kOhm								
R....5	57.11.4102		1 kOhm								
R....6	57.11.4122		1.2 kOhm								
R....7	58.05.1202		2 kOhm	see note 2							
R....8	57.11.3912		9.1 kOhm								
R....9	58.05.1203		20 kOhm	see note 3							
R....10	57.11.4470		47 Ohm								
R....11	57.11.3153		15 kOhm								
R....12	57.11.3470		47 Ohm								
TP....1	54.02.0320		Testpoint								
TP....2	54.02.0320		Testpoint								

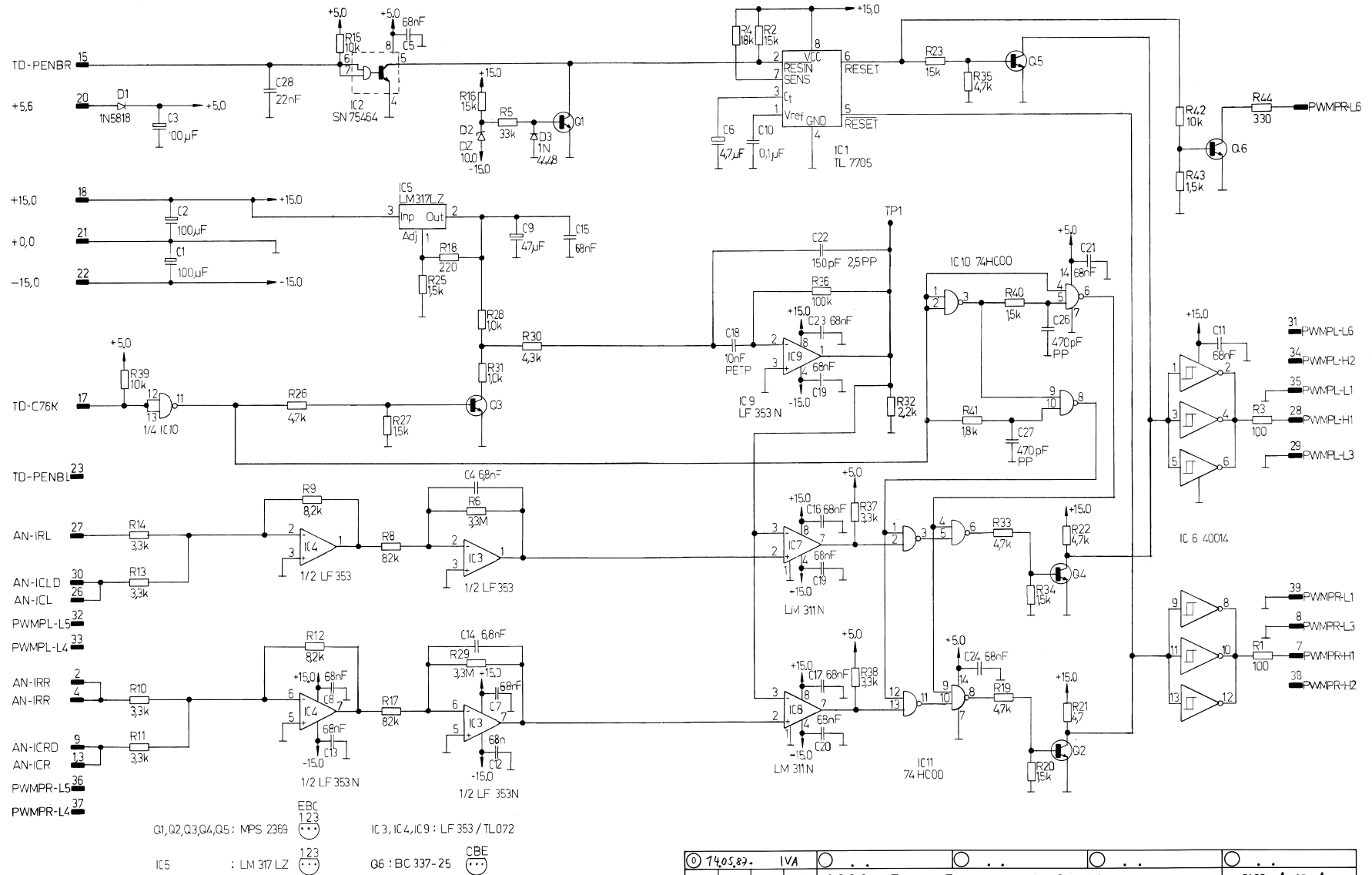
ORIG 88/11/29

**BLOCK DIAGRAM
SPOOLING MOTOR DRIVER 1.820.759.85**





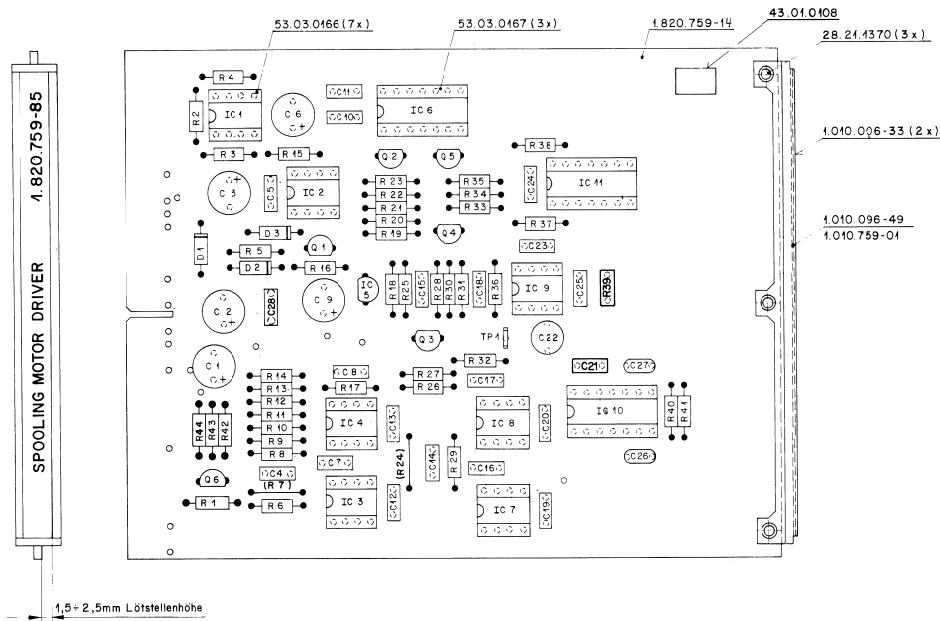
SPOOLING MOTOR DRIVER 1.820.759.85



1405.87- IVA							
A820 Tape Transport Section							PAGE 1 OF 1
STUDER Spooling Motor Driver							SC 1.820.759.85



SPOOLING MOTOR DRIVER 1.820.759.85



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.22.5101	100 uF		25V, E1
C.....2		59.22.5101	100 uF		25V, E1
C.....3		59.22.5101	100 uF		
C.....4		59.06.0683	6,8 nF		10X
C.....5		59.06.0683	68 nF		
C.....6		59.06.0479	4,7 uF		25V, E1
C.....7		59.06.0683	68 nF		
C.....8		59.06.0683	68 nF		
C.....9		59.22.5470	47 uF		25V, E1
C.....10		59.06.0104	100 nF		
C.....11		59.06.0683	68 nF		
C.....12		59.06.0683	68 nF		
C.....13		59.06.0683	68 nF		
C.....14		59.06.0683	6,8 nF		10X
C.....15		59.06.0683	68 nF		
C.....16		59.06.0683	68 nF		
C.....17		59.06.0683	68 nF		
C.....18		59.06.0103	10 nF		
C.....19		59.06.0683	68 nF		
C.....20		59.06.0683	68 nF		
C.....21		59.06.0683	68 nF		
C.....22		59.05.2131	150 pF		
C.....23		59.06.0683	68 nF		5X
C.....24		59.06.0683	68 nF		
C.....25		59.06.0683	68 nF		
C.....26		59.34.3471	470 pF		5X
C.....27		59.34.3471	470 pF		5X
C.....28		59.06.0263	22 pF		
D.....1		50.04.0512	18 5818	1N 5819	Not
D.....2		50.04.1114	10 V Z		ITT-Sem
D.....3		50.04.0125	18 4448		For:ITT-Pu-Sem-ZE
IC.....1		50.11.0122	TL 7705		TI
IC.....2		50.05.0204	SN 75664P	DS 75664 N	MS-TI
IC.....3		50.09.0101	TL 072 CP	LF 353 N	MS-TI
IC.....4		50.09.0101	TL 072 CP	LF 353 N	MS-TI

S T U D E R (00) 87/05/14 BD SPOOLING MOTOR DRIVER PL 1.820.759.85 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC.....5		50.10.0108	LM 317 LZ		Met+MS
IC.....6		50.07.0014	40014 BPC	MC14084 BPC	Met+MS/Pu+3
IC.....7		50.11.0114	LM 311 N	LM 311 F	Met+MS
IC.....8		50.11.0114	LM 311 N	LM 311 F	Met+MS
IC.....9		50.09.0101	TL 072 CP	LF 353 N	MS-TI
IC.....10		50.17.1000	74 HC 00		Met+MS/Pu+RCA-SSS+TI+3
IC.....11		50.17.1000	74 HC 00		Met+MS/Pu+RCA-SSS+TI+3
Q.....1		50.03.0508	MPS 2369		Met
Q.....2		50.03.0508	MPS 2369		Met
Q.....3		50.03.0508	MPS 2369		Met
Q.....4		50.03.0508	MPS 2369		Met
Q.....5		50.03.0508	MPS 2369		Met
Q.....6		50.03.0340	BC 337-25		ITT-Pu-Sem
R.....1		57.11.4101	100 Ohm		
R.....2		57.11.4153	15 Kohm		
R.....3		57.11.4101	100 Ohm		
R.....4		57.11.4183	18 Kohm		5X
R.....5		57.11.4333	33 Kohm		5X
R.....6		57.11.2933	2,2 Kohm		
R.....7		57.11.4823	805 uW4		(REPLACED BY WIRE BRIDGE)
R.....8		57.11.4823	82 Kohm		5X
R.....9		57.11.4822	8,2 Kohm		5X
R.....10		57.11.4332	3,3 Kohm		5X
R.....11		57.11.4332	3,3 Kohm		5X
R.....12		57.11.4822	8,2 Kohm		5X
R.....13		57.11.4332	3,3 Kohm		5X
R.....14		57.11.4332	3,3 Kohm		5X
R.....15		57.11.4103	10 Kohm		5X
R.....16		57.11.4153	15 Kohm		5X
R.....17		57.11.4823	82 Kohm		5X
R.....18		57.11.4221	226 Ohm		2X
R.....19		57.11.4472	4,7 Kohm		5X
R.....20		57.11.4152	1,5 Kohm		5X
R.....21		57.11.4472	4,7 Kohm		5X
R.....22		57.11.4472	4,7 Kohm		5X

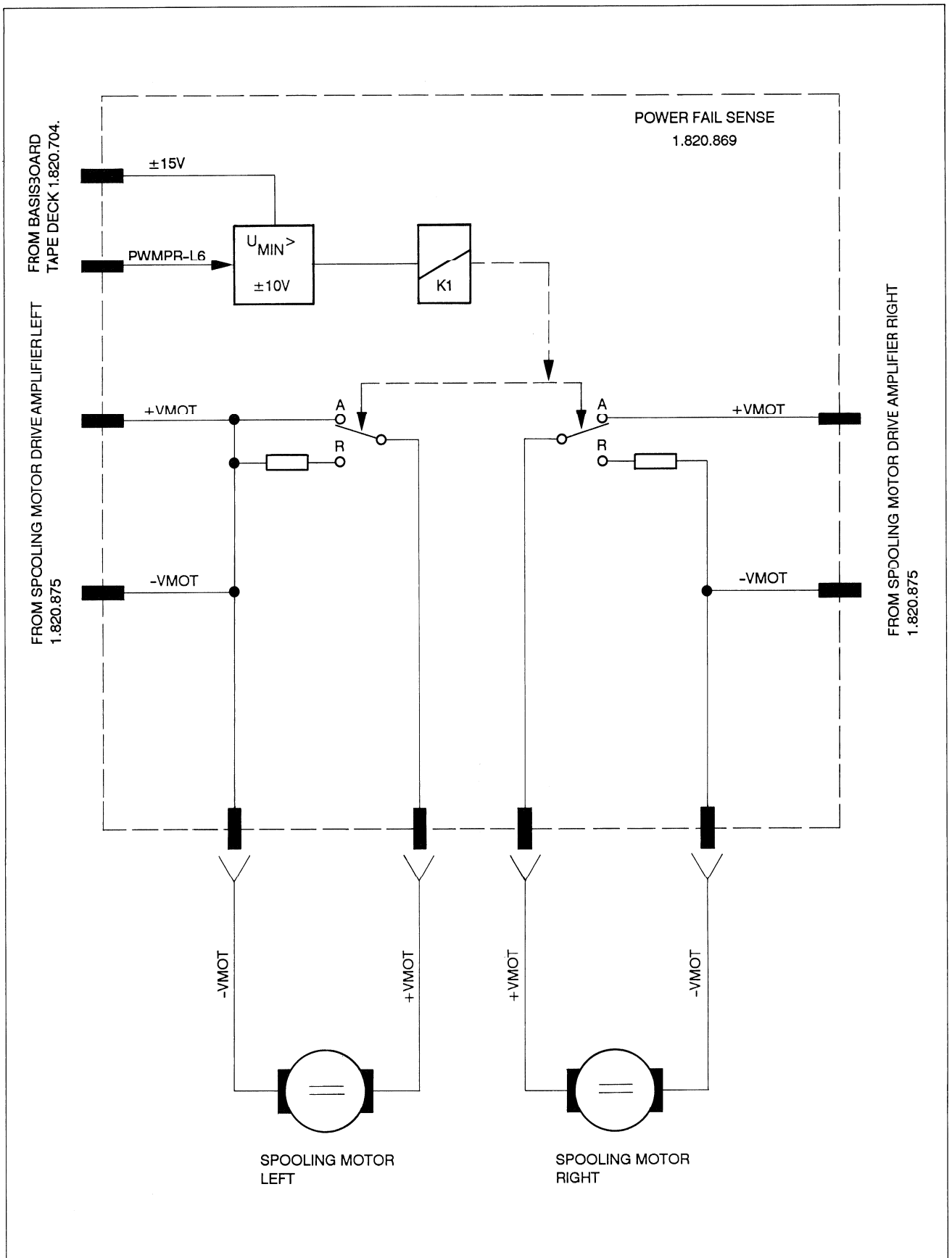
S T U D E R (00) 87/05/14 BD SPOOLING MOTOR DRIVER PL 1.820.759.85 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....23		57.11.4153	15 Kohm		5X
R.....24		57.11.4152	1,5 Kohm		(REPLACED BY WIRE BRIDGE)
R.....25		57.11.4472	4,7 Kohm		5X
R.....26		57.11.4152	1,5 Kohm		5X
R.....27		57.11.4102	1 Kohm		2X
R.....28		57.11.4102	1 Kohm		2X
R.....29		57.11.2933	2,2 Kohm		1X
R.....30		57.11.3432	4,3 Kohm		2X
R.....31		57.11.4102	1 Kohm		2X
R.....32		57.11.4222	2,2 Kohm		5X
R.....33		57.11.4472	4,7 Kohm		5X
R.....34		57.11.4152	1,5 Kohm		5X
R.....35		57.11.4152	1,5 Kohm		5X
R.....36		57.11.4104	100 Kohm		5X
R.....37		57.11.4332	3,3 Kohm		5X
R.....38		57.11.4332	3,3 Kohm		5X
R.....39		57.11.4103	10 Kohm		5X
R.....40		57.11.4152	1,5 Kohm		2X
R.....41		57.11.4103	10 Kohm		2X
R.....42		57.11.4103	10 Kohm		5X
R.....43		57.11.4152	1,5 Kohm		5X
R.....44		57.11.4331	330 Ohm		5X

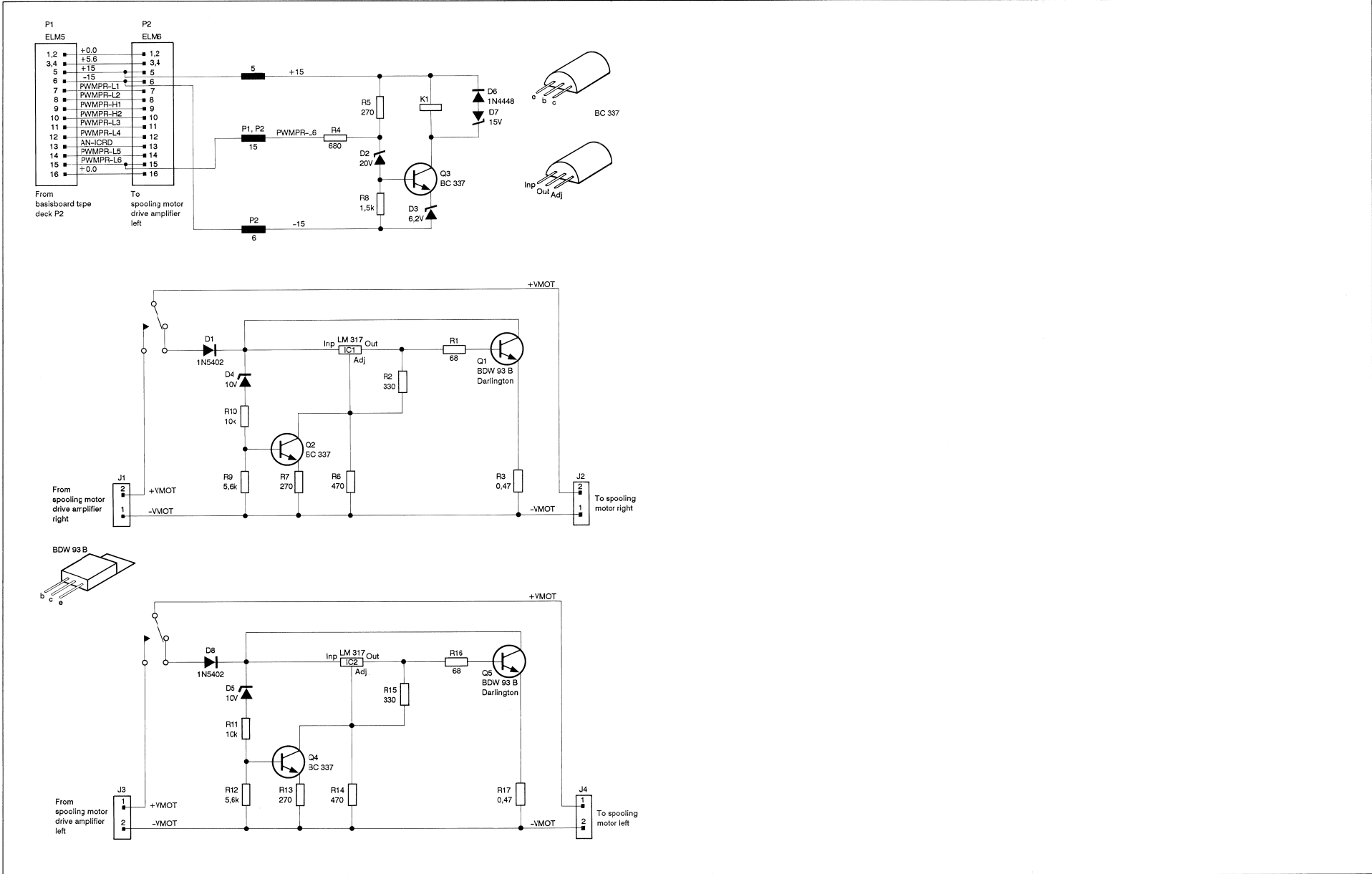
El=Elektrolytic
 Manufacturer: For=Fairchild, ITT=Intecmetall, Met=Motorola,
 MS=National Semiconductor, Pu=Philips,
 RCA=RCA Corporation of America, Sem=Secomex, SSS=SSS/Ates,
 TI=TexasInstruments, Tu=Tooshiba.

8705/14
 S T U D E R (00) 87/05/14 BD SPOOLING MOTOR DRIVER PL 1.820.759.85 PAGE 3

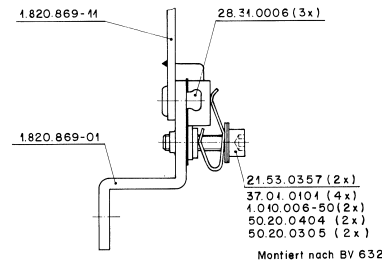
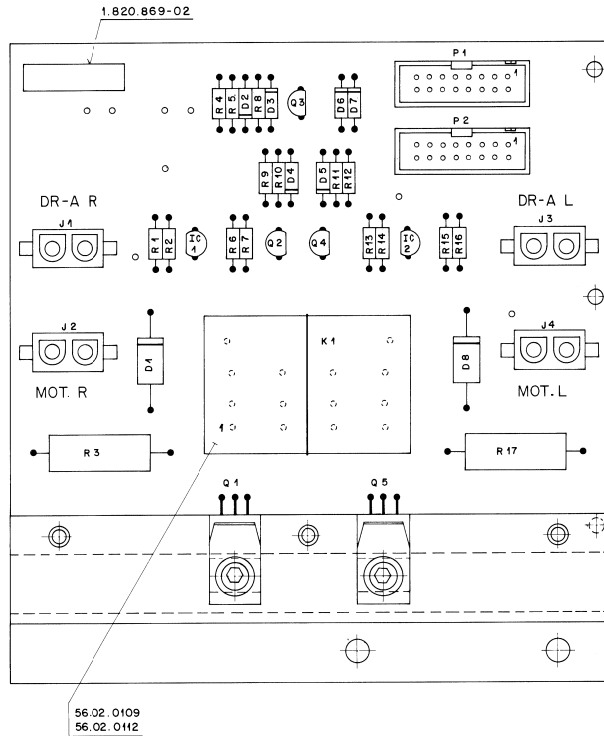
BLOCK DIAGRAM
POWER FAIL SENSE BOARD 1.820.869



POWER FAIL SENSE BOARD 1.820.869.00



POWER FAIL SENSE BOARD 1.820.869.00



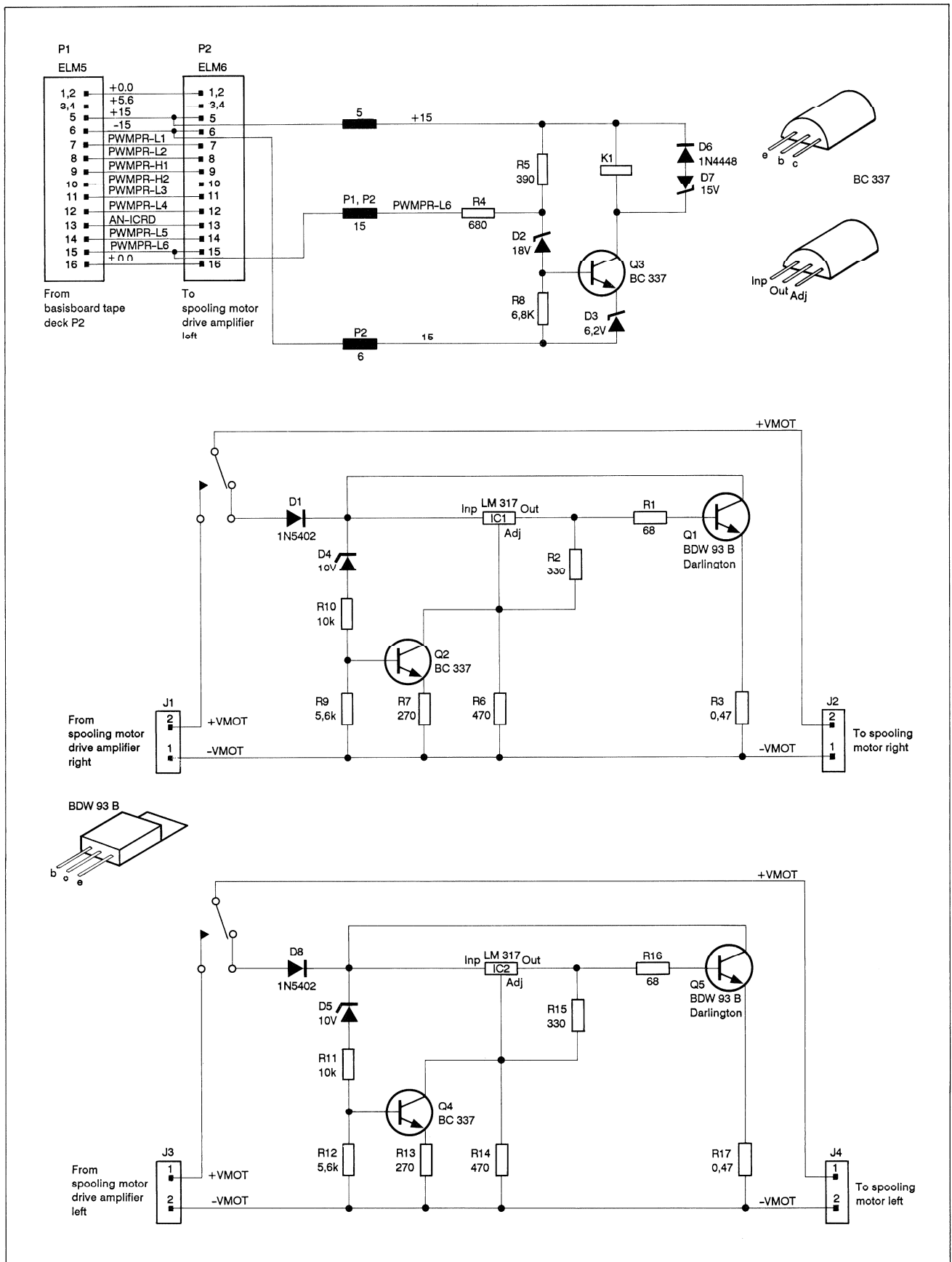
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
P2TP = Polystyrenfilm, El = Electrolytic.					
Note 1	-	Connector, 8 Contact	case: Studer nr. 54.20.0025 Metric nr. TT 8 pin: Studer nr. 54.20.0011 Metric nr. CS 19		
Note 2	-	Connector, 2 Contact	case: Studer nr. 54.25.0302 AMP nr. 926899-1 pin: Studer nr. 54.25.0402 AMP nr. 926899-1		
Note 3	-	Connector, 4 Contact	case: Studer nr. 54.25.0304 AMP nr. 926302-3, 926290-1 pin: Studer nr. 54.25.0402 AMP nr. 926899-1		
Note 4	-	Connector, 8 Contact	case: Studer nr. 54.25.0308 AMP nr. 926302-3 pin: Studer nr. 54.25.0402 AMP nr. 926899-1		
Note 5	-	Connector, 10 Contact	case: Studer nr. 54.25.0310 AMP nr. 926302-3 pin: Studer nr. 54.25.0402 AMP nr. 926899-1		
Note 6	-	Connector, 10 Contact	case: Studer nr. 54.25.0310 AMP nr. 926302-3		
S T U D E R (01) 89/02/24 BD POWER FAIL SENSE BOARD PL 1.820.869.00 PAGE 4					

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.03.2104	0.1 uF	10% 250V P2TP			D.....6	50.04.0125	1N 4448		Fe/ITT,Ph,Sea,Tf	
C.....2	59.25.1221	220 uF	6.3V El			D.....7	50.04.1119	1S V 2	BZX 55-C15	ITT,Mo,Ph,Tho,Tf	
J.....1	54.25.0010		AMP nr. 026892-3			D.....8	50.04.0507	1N 5402	1N 5403, NR 502RL	GI,Mat	
J.....2	54.25.0010		AMP nr. 026892-3			IC.....1	50.10.0108	LM 317 L2		Mot,Wat	
J.....3	54.25.0010		AMP nr. 026892-3			IC.....2	50.10.0108	LM 317 L2		Mot,Wat	
J.....4			see note 1			J.....1	54.25.0002		see note 1		
J.....5			see note 1			J.....2	54.25.0002		see note 1		
J.....6	54.02.0332		AMP nr. 2-100 250 - 2			J.....3	54.25.0002		see note 1		
J.....7			see note 1			J.....4	54.25.0002		see note 1		
J.....8			see note 2			K.....1	56.02.0108	24 V DC	Ly 4	Dacco	
J.....9			see note 6			F.....1	54.14.2002		see note 2		
J.....10	54.02.0416		AMP nr. 02-06-1241			F.....2	54.14.2002		see note 2		
J.....11	54.01.0260		AMP nr. 163.690-1			D.....1	50.03.0512	BD 899 A	BDW 93 B	Met,SSS	
J.....12			see note 7			D.....2	50.03.0340	BC 337-25		ITT,MS,Ph,Sie	
(**) EN9.....						D.....3	50.03.0340	BC 337-25		ITT,MS,Ph,Sie	
D.....1	50.04.0507	1N 5402	1N 5403, NR 502RL		GI,Mat	D.....4	50.03.0340	BC 337-25		ITT,MS,Ph,Sie	
D.....2	50.04.1109	20 V Z	BZX 55-C20		ITT,Mo,Ph,Tho,Tf	D.....5	50.03.0340	BC 337-25		ITT,MS,Ph,Sie	
D.....3	50.04.1118	6.2 V Z	BZX 55-C6V2		ITT,Mo,Ph,Tho,Tf	D.....6	50.03.0512	BD 899 A	BDW 93 B	Met,SSS	
D.....4	50.04.1511	6.2 V Z	BZX 55-C6V2		ITT,Mo,Ph,Tho,Tf,SSS,Tho	R.....1	57.11.4660	60 Ohm	5K		
D.....5	50.04.1114	10 V Z	BZX 55-C10		ITT,Mo,Ph,Tho,Tf	R.....2	57.11.4831	330 Ohm	5K		
S T U D E R (01) 89/02/24 BD POWER FAIL SENSE BOARD PL 1.820.869.00 PAGE 1											

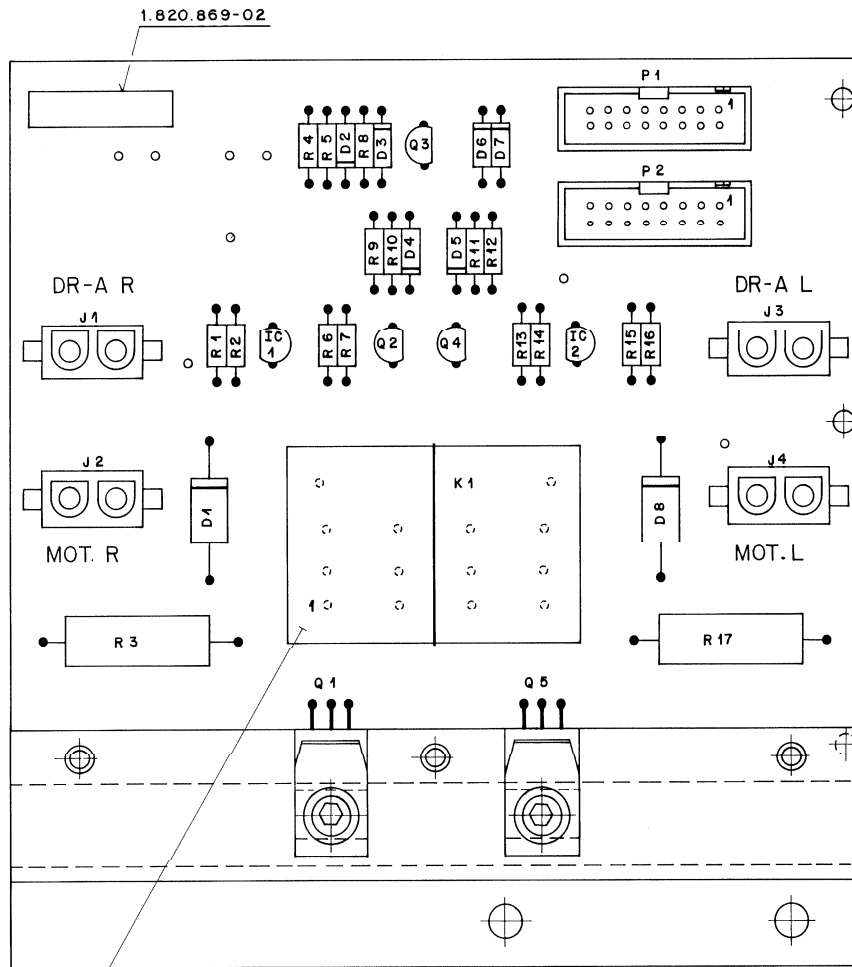
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....3	57.56.5478	0.47 Ohm	10% 4 Watt		
R.....4	57.11.4691	680 Ohm	5K		
R.....5	57.11.4271	270 Ohm	5K		
R.....6	57.11.4471	470 Ohm	5K		
R.....7	57.11.4271	270 Ohm	5K		
R.....8	57.11.4152	1.5 kOhm	5K		
R.....9	57.11.4552	5.6 kOhm	5K		
R.....10	57.11.4138	10 kOhm	5K		
R.....11	57.11.4138	10 kOhm	5K		
R.....12	57.11.4552	5.6 kOhm	5K		
R.....13	57.11.4271	270 Ohm	5K		
R.....14	57.11.4471	470 Ohm	5K		
R.....15	57.11.4331	330 Ohm	5K		
R.....16	57.11.4680	68 Ohm	5K		
S T U D E R (01) 89/02/24 BD POWER FAIL SENSE BOARD PL 1.820.869.00 PAGE 2					

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
				8 pins: Studer nr. 54.25.0402 AMP nr. 926899-1	
				1 pin: Studer nr. 54.25.0401 AMP nr. 926899-1	
Note 7	-	Connector, 10 Contact	case: Studer nr. 54.25.0310 AMP nr. 926302-3 pin: Studer nr. 54.25.0402 AMP nr. 926899-1 1 pin: Studer nr. 54.25.0401 AMP nr. 926899-1		
Note 8	-	Connector, 10 Contact	case: Studer nr. 54.14.2001 AMP nr. 926302-3 Yamaichi nr. FAF-10-08-43SS Rohde nr. BPH 9 B10 800 GS 3M nr. 7610-6002 V2		
(01) 24.02.89 Improved operating temperature.					
Note 1	-	Connector, 2 Contact	AMP Nr. 826846-3		
Note 2	-	Connector, 26 Contact	Yamaichi Nr. FAF-16-08-40SS Rohde Nr. BPH 9 B16 800 GS 3M Nr. 7616-6002 V2		
MANUFACTURER: Fe=Fairchild, GI=General Instruments, ITT=Intermetal, Mot=Motorola, Na=National, Ni=National Semiconductor, Du=DuPont, Sae=Saecor, SSS=SSS, Sie=Siemens, Tf=Telefunken, Tho=Thomson					
ORIG 88/01/21 (00) 87/04/02 (01) 89/02/24					
S T U D E R (01) 89/02/24 BD POWER FAIL SENSE BOARD PL 1.820.869.00 PAGE 5					

POWER FAIL SENSE BOARD 1.820.869.81



POWER FAIL SENSE BOARD 1.820.869.81



56.02.0109
56.02.0112

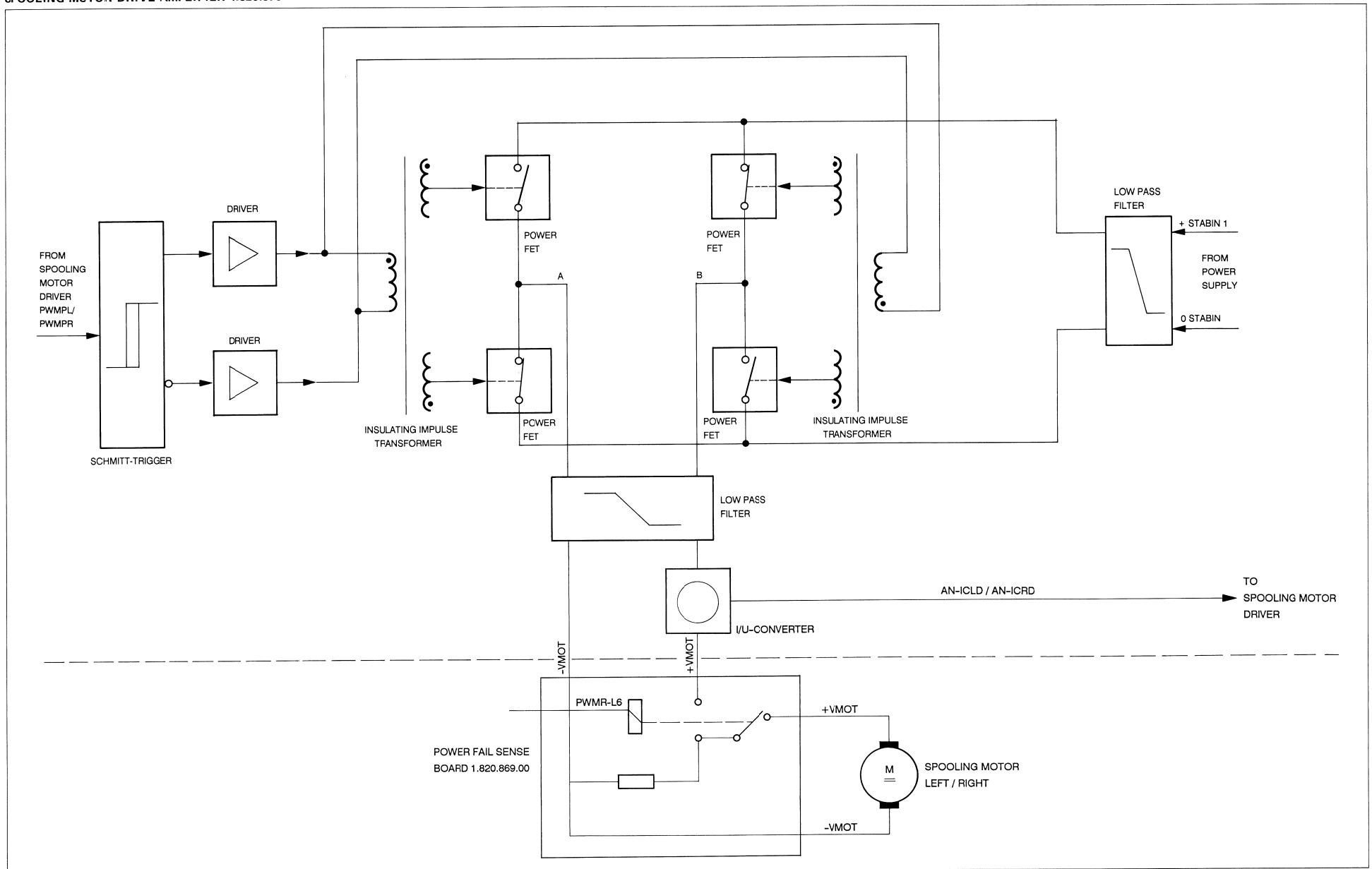
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....1	50.04.0507	1N 5402	1N 5403, MR 502RL	GI, Mot		R....10	57.11.3103	10 kOhm	5%		
D.....2	50.04.1222	18 V Z	5X, 1.3 W	ITT, Mot, Ph, Tho, TF		R....11	57.11.3103	10 kOhm	5%		
D.....3	50.04.1511	6.2 V Z	BZX 85-C6V2	ITT, Mot, Ph, Tf, SGS, Tho		R....12	57.11.3562	5.6 kOhm	5%		
D.....4	50.04.1114	10 V Z	BZX 55-C10	ITT, Mot, Ph, Tho, TF		R....13	57.11.3271	270 Ohm	5%		
D.....5	50.04.1114	10 V Z	BZX 55-C10	ITT, Mot, Ph, Tho, TF		R....14	57.11.3471	470 Ohm	5%		
D.....6	50.04.0125	1N 4448		Fe, ITT, Ph, Ses, TF		R....15	57.11.3331	330 Ohm	5%		
D.....7	50.04.1119	15 V Z	BZX 55-C15	ITT, Mot, Ph, Tho, TF		R....16	57.11.3680	68 Ohm	5%		
D.....8	50.04.0507	1N 5402	1N 5403, MR 502RL	GI, Mot		R....17	57.56.5478	0.47 Ohm	10%, 4 Watt		
IC....1	50.10.0108	LM 317 LZ		Mot, Nat							
IC....2	50.10.0108	LM 317 LZ		Mot, Nat							
J.....1	54.25.0002		see note 1								
J.....2	54.25.0002		see note 1								
J.....3	54.25.0002		see note 1								
J.....4	54.25.0002		see note 1								
K....1	56.02.0108	24 V DC	Ly 4	Onron							
P....1	54.14.2002		see note 2								
P....2	54.14.2002		see note 2								
Q....1	50.03.0512	BD 899 A	BDW 93 B	Mot, SGS							
Q....2	50.03.0340	BC 337-25		ITT, NS, Ph, Sie							
Q....3	50.03.0340	BC 337-25		ITT, NS, Ph, Sie							
Q....4	50.03.0340	BC 337-25		ITT, NS, Ph, Sie							
Q....5	50.03.0512	BD 899 A	BDW 93 B	Mot, SGS							
R....1	57.11.3680	68 Ohm	5%								
R....2	57.11.3331	330 Ohm	5%								
R....3	57.56.5478	0.47 Ohm	10%, 4 Watt								
R....4	57.11.3681	680 Ohm	5%								
R....5	57.11.3331	330 Ohm	5%								
R....6	57.11.3471	470 Ohm	5%								
R....7	57.11.3271	270 Ohm	5%								
R....8	57.11.3682	6.8 kOhm	5%								
R....9	57.11.3562	5.6 kOhm	5%								

Note 1 - Connector, 2 contacts: ANP Nr. 826846-3
Note 2 - Connector, 26 contacts: Yamaichi Nr. FAP-16-08-4055
Burdny Nr. BPH 9 B16 B00 65
38 Nr. 7616-6002 VZ

MANUFACTURER: Fe=Fairchild, GI=General Instruments, ITT=Intermetal, Mot=Motorola, Nat=National, NS=National Semiconductors, Ph=Philips, Ses=Sesocesen, SGS=SGS Ates, Sie=Siemens, Tf=Telefunken, Tho=Thomson

ORIG 90/06/07

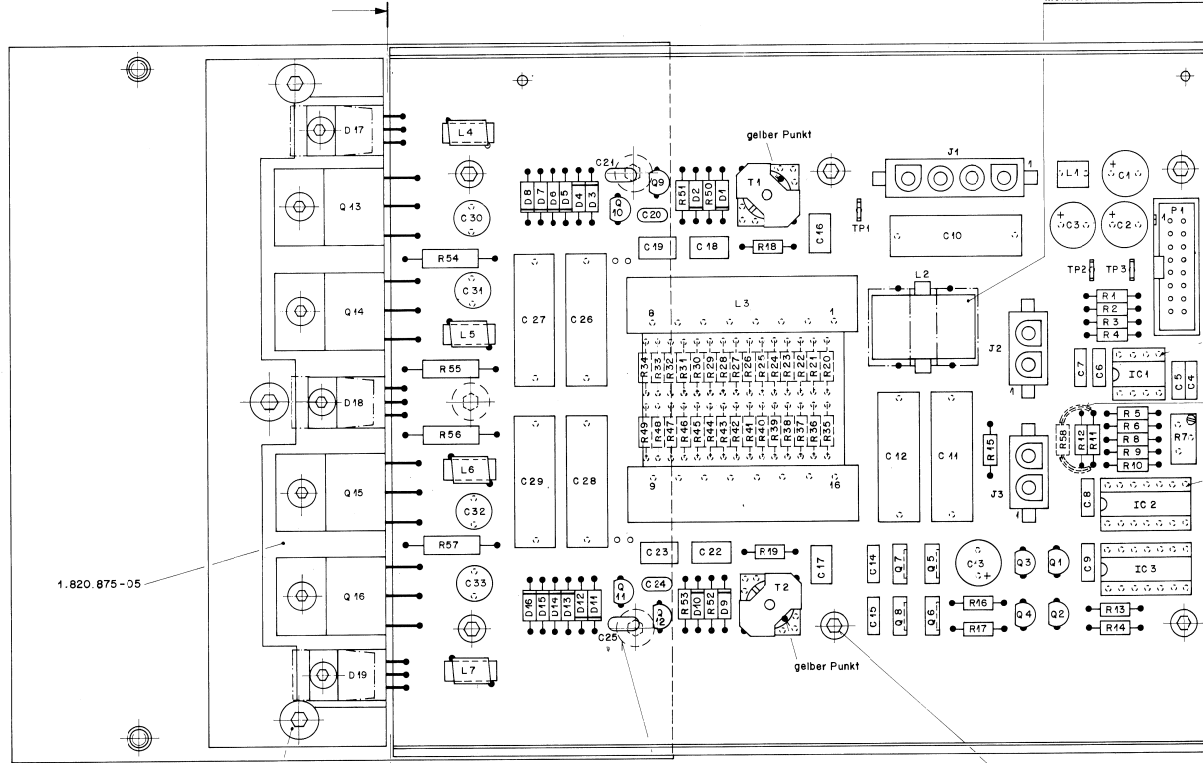
BLOCK DIAGRAM
SPOOLING MOTOR DRIVE AMPLIFIER 1.820.875





SPOOLING MOTOR DRIVER AMPLIFIER 1.820.875.82

Montiert mit Silikon-Kleber 99.010577 nach BV 640



1.820.875-05

21.53.0472 (3x)
24.16.1040 (3x)

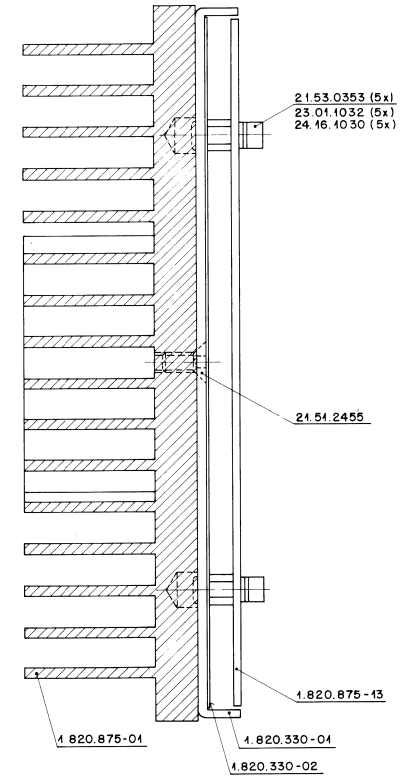
21.51.2454 (2x)

21.53.0353
24.16.2030

53.03.0166

1.820.875-90 (2x)

53.03.0167



21.53.0353 (5x)
23.01.1032 (5x)
24.16.1030 (5x)

21.51.2455

1.820.875-13

1.820.875-04

1.820.330-04

1.820.330-02

1.820.500-29(2x1)
24.16.2035 (2x1)

1.820.875-03

SPOOLING MOTOR DRIVER AMPLIFIER 1.820.875.82

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1	59.22.5101	100 uF	20%, 25V, EL			R...19	57.11.3100	10 Ohm	5%		
C....2	59.22.5101	100 uF	20%, 25V, EL			R...20	57.11.3159	1.5 Ohm	1%		
C....3	59.22.5101	100 uF	20%, 25V, EL			R...21	57.11.3159	1.5 Ohm	1%		
C....4	59.06.0683	33 nF	10%, 63V, PETP			R...22	57.11.3159	1.5 Ohm	1%		
C....5	59.06.0683	68 nF	10%, 63V, PETP			R...23	57.11.3159	1.5 Ohm	1%		
C....6	59.06.0683	68 nF	10%, 63V, PETP			R...24	57.11.3159	1.5 Ohm	1%		
C....7	59.06.0132	1.5 nF	10%, 63V, PETP			R...25	57.11.3159	1.5 Ohm	1%		
C....8	59.06.0683	68 nF	10%, 63V, PETP			R...26	57.11.3159	1.5 Ohm	1%		
C....9	59.06.0683	68 nF	10%, 63V, PETP			R...27	57.11.3159	1.5 Ohm	1%		
C...10	59.99.0268	6.8 uF	10%, 63V, PETP			R...28	57.11.3159	1.5 Ohm	1%		
C...11	59.99.0268	6.8 uF	10%, 63V, PETP			R...29	57.11.3159	1.5 Ohm	1%		
C...12	59.99.0268	6.8 uF	10%, 63V, PETP			R...30	57.11.3159	1.5 Ohm	1%		
C...13	59.22.5101	100 uF	20%, 25V, EL			R...31	57.11.3159	1.5 Ohm	1%		
C...14	59.22.5101	100 uF	20%, 25V, EL			R...32	57.11.3159	1.5 Ohm	1%		
C...15	59.06.0103	10 nF	10%, 63V, PETP			R...33	57.11.3159	1.5 Ohm	1%		
C...16	59.06.0334	330 nF	10%, 63V, PETP			R...34	57.11.3159	1.5 Ohm	1%		
C...17	59.06.0334	330 nF	10%, 63V, PETP			R...35	57.11.3159	1.5 Ohm	1%		
C...18	59.06.0334	330 nF	10%, 63V, PETP			R...36	57.11.3159	1.5 Ohm	1%		
C...19	59.06.0334	330 nF	10%, 63V, PETP			R...37	57.11.3159	1.5 Ohm	1%		
C...20	59.34.2470	47 pF	5%, N150, CER			R...38	57.11.3159	1.5 Ohm	1%		
C...21	59.34.2470	47 pF	5%, N150, CER			R...39	57.11.3159	1.5 Ohm	1%		
C...22	59.06.0334	330 nF	10%, 63V, PETP			R...40	57.11.3159	1.5 Ohm	1%		
C...23	59.34.2470	47 pF	5%, N150, CER			R...41	57.11.3159	1.5 Ohm	1%		
C...24	59.34.2470	47 pF	5%, N150, CER			R...42	57.11.3159	1.5 Ohm	1%		
C...25	59.34.2470	47 pF	5%, N150, CER			R...43	57.11.3159	1.5 Ohm	1%		
C...26	59.99.0268	6.8 uF	10%, 63V, PETP			R...44	57.11.3159	1.5 Ohm	1%		
C...27	59.99.0268	6.8 uF	10%, 63V, PETP			R...45	57.11.3159	1.5 Ohm	1%		
C...28	59.99.0268	6.8 uF	10%, 63V, PETP			R...46	57.11.3159	1.5 Ohm	1%		
C...29	59.99.0268	6.8 uF	10%, 63V, PETP			R...47	57.11.3159	1.5 Ohm	1%		
C...30	59.47.2332	3.3 nF	5%, 160V, PP			R...48	57.11.3159	1.5 Ohm	1%		
C...31	59.47.2332	3.3 nF	5%, 160V, PP			R...49	57.11.3159	1.5 Ohm	1%		
C...32	59.47.2332	3.3 nF	5%, 160V, PP			R...50	57.11.3105	1.0 MOhm	5%		
C...33	59.47.2332	3.3 nF	5%, 160V, PP			R...51	57.11.3105	1.0 MOhm	5%		
D....1	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf		R...52	57.11.3105	1.0 MOhm	5%		
D....2	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf		R...53	57.11.3105	1.0 MOhm	5%		
D....3	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf		R...54	57.13.4229	2.2 Ohm	5%		
D....3	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf		R...55	57.13.4229	2.2 Ohm	5%		

S T U D E R (01) 89/02/27 PZ SPOOLING MOTOR DRIVE AMPLIFIER PL 1.820.875.82 PAGE 1 S T U D E R (01) 89/02/27 PZ SPOOLING MOTOR DRIVE AMPLIFIER PL 1.820.875.82 PAGE 4

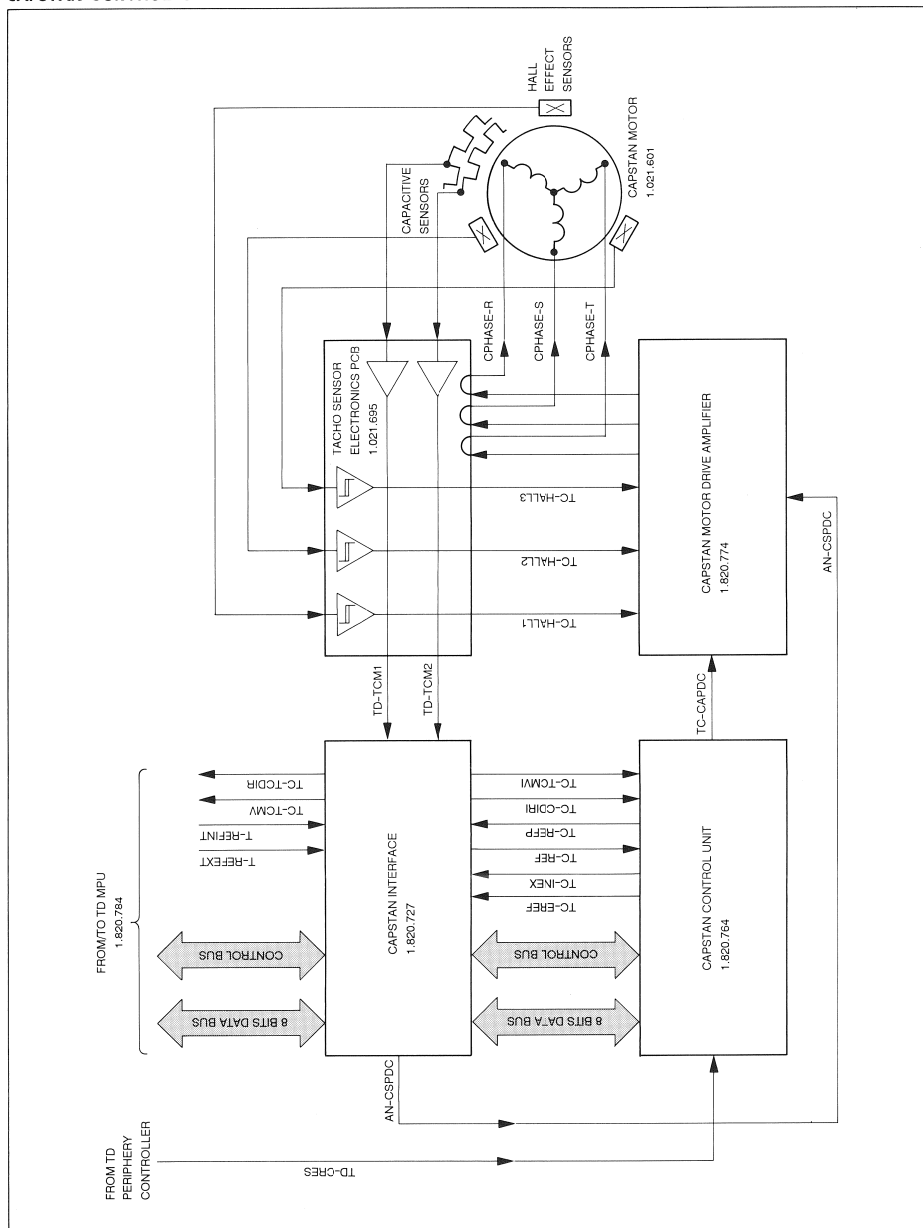
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D....4	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf		R...56	57.13.4229	2.2 Ohm	5%		
D....5	50.04.1216	Z 10V	1/3W	ITT/Mot/Ph/Tf,Tho		R...57	57.13.4229	2.2 Ohm	5%		
D....6	50.04.1216	Z 10V	1/3W	ITT/Mot/Ph/Tf,Tho		R...58	57.11.3164	160 kOhm	1%		
D....7	50.04.1216	Z 10V	1/3W	ITT/Mot/Ph/Tf,Tho		T....1	1.022.247.00			Impulse transformer	St
D....8	50.04.1216	Z 10V	1/3W	ITT/Mot/Ph/Tf,Tho		T....2	1.022.247.00			Impulse transformer	St
D....9	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf							
D...10	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf		TP...1	54.02.0320			Test point	
D...11	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf		TP...2	54.02.0320			Test point	
D...12	50.04.0125	1N 4448		Fe:ITT/Ph/See/Tf		TP...3	54.02.0320			Test point	
D...13	50.04.1216	Z 10V	1/3W	ITT/Mot/Ph/Tf,Tho							
D...14	50.04.1216	Z 10V	1/3W	ITT/Mot/Ph/Tf,Tho							
D...15	50.04.1216	Z 10V	1/3W	ITT/Mot/Ph/Tf,Tho							
D...16	50.04.1216	Z 10V	1/3W	ITT/Mot/Ph/Tf,Tho							
D...17	50.04.0517	BV3 32		Mot/Ph							
D...18	50.04.0517	BV3 32		Mot/Ph							
D...19	50.04.0517	BV3 32		Mot/Ph							
IC...1	50.09.0120	LF 412	XR 5532AN	EX.SIG							
IC...2	50.07.0014	MC40106BCP	..14584..	Mot/NS/Ph/RCA/To							
IC...3	50.07.0014	MC40106BCP	..14584..	Mot/NS/Ph/RCA/To							
J....1	54.25.0004	4 PDL 16A	see note 1								
J....2	54.25.0002	2 PDL 16A	see note 2								
J....3	54.25.0002	2 PDL 16A	see note 2								
L...1	62.02.3101	100 uH	Filter coil	TDK							
L...2	62.99.0112	>1 mH	Filter coil	Tokin							
L...3	1.022.246.00		Choke coil	St							
L...4	62.99.0113	1 uH	Filter coil	Vo							
L...5	62.99.0113	1 uH	Filter coil	Vo							
L...6	62.99.0113	1 uH	Filter coil	Vo							
L...7	62.99.0113	1 uH	Filter coil	Vo							
P....1	54.14.2002	16 cont.	see note 3								
Q....1	50.03.0340	BC 337-25		ITT/NS/Ph/Sie							
Q....2	50.03.0340	BC 337-25		ITT/NS/Ph/Sie							

S T U D E R (01) 89/02/27 PZ SPOOLING MOTOR DRIVE AMPLIFIER PL 1.820.875.82 PAGE 2 S T U D E R (01) 89/02/27 PZ SPOOLING MOTOR DRIVE AMPLIFIER PL 1.820.875.82 PAGE 5

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Q....3	50.03.0351	BC 327-25		ITT/Ph/Sie	
Q....4	50.03.0351	BC 327-25		ITT/Ph/Sie	
Q....5	50.03.0451	BD 139		Mot/Ph/SGS/Te/To	
Q....6	50.03.0451	BD 139		Mot/Ph/SGS/Te/To	
Q....7	50.03.0452	BD 140		Mot/Ph/SGS/Te/To	
Q....8	50.03.0452	BD 140		Mot/Ph/SGS/Te/To	
Q....9	50.03.0350	J 112		Mot	
Q...10	50.03.0350	J 112		Mot	
Q...11	50.03.0350	J 112		Mot	
Q...12	50.03.0350	J 112		Mot	
(00) Q...13	50.03.1608	RFH 25N20	see note 4	IR	
(01) Q...13	50.03.1612	IRFP 250	see note 4	IR	
(00) Q...14	50.03.1608	RFH 25N20	see note 4	IR	
(01) Q...14	50.03.1612	IRFP 250	see note 4	IR	
(00) Q...15	50.03.1608	RFH 25N20	see note 4	IR	
(01) Q...15	50.03.1612	IRFP 250	see note 4	IR	
(00) Q...16	50.03.1608	RFH 25N20	see note 4	IR	
(01) Q...16	50.03.1612	IRFP 250	see note 4	IR	
R...1	57.11.3101	100 Ohm	5%		
R...2	57.11.3753	75 kOhm	1%		
R...3	57.11.3242	2.4 kOhm	1%		
R...4	57.99.0199	680 Ohm	0.1%		
R...5	57.99.0250	6.8 kOhm	0.1%		
R...6	57.11.3273	27 kOhm	1%		
R...7	58.05.1103	10 kOhm	10%		
R...8	57.99.0199	680 Ohm	0.1%		
R...9	57.99.0250	6.8 kOhm	0.1%		
R...10	57.11.3332	3.3 kOhm	5%		
R...11	57.99.0250	6.8 kOhm	0.1%		
R...12	57.99.0250	6.8 kOhm	0.1%		
R...13	57.11.3152	1.5 kOhm	5%		
R...14	57.11.3152	1.5 kOhm	5%		
R...15	57.11.3472	4.7 kOhm	5%		
R...16	57.11.3101	100 Ohm	5%		
R...17	57.11.3101	100 Ohm	5%		
R...18	57.11.3100	10 Ohm	5%		

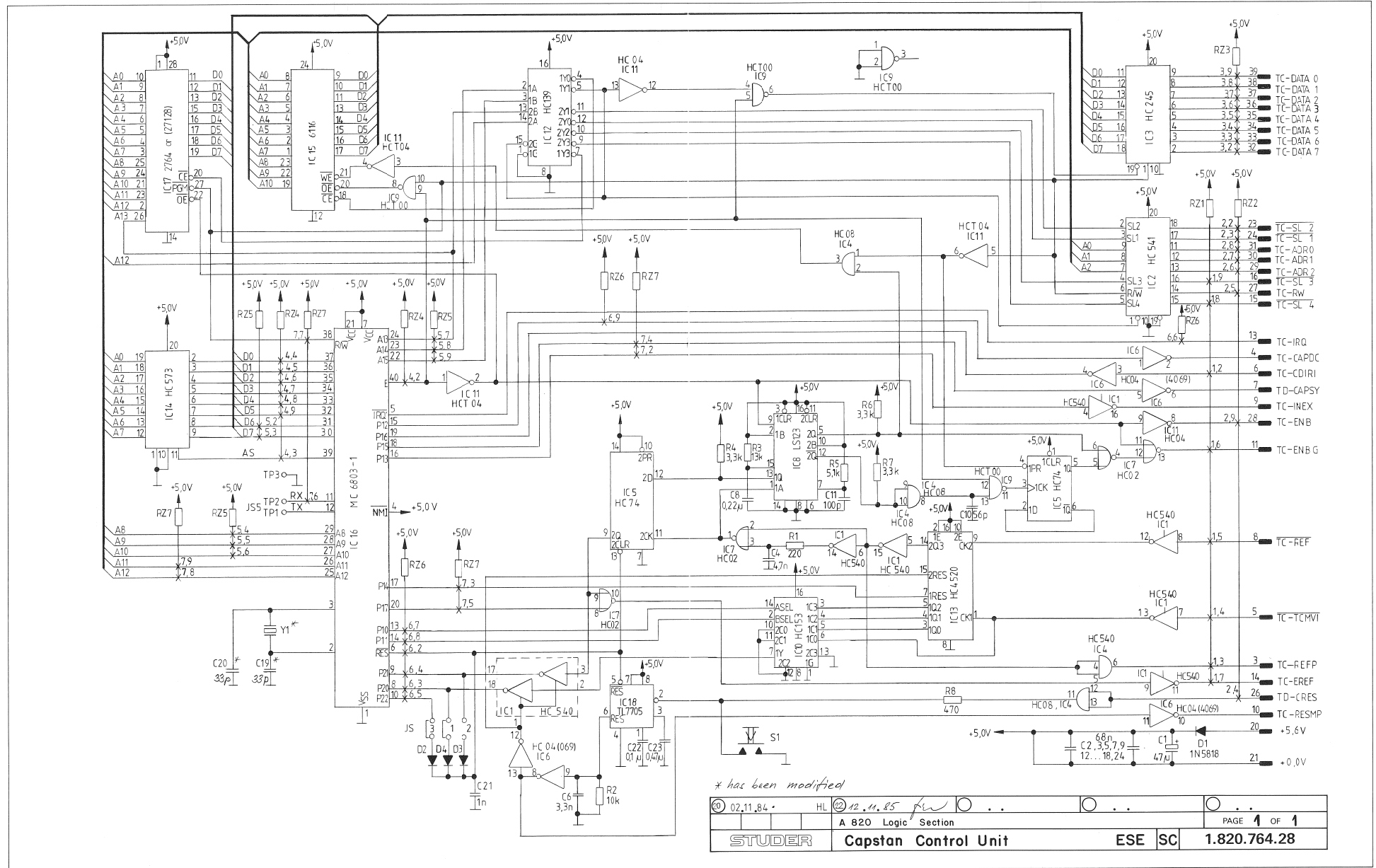
S T U D E R (01) 89/02/27 PZ SPOOLING MOTOR DRIVE AMPLIFIER PL 1.820.875.82 PAGE 3

BLOCK DIAGRAM
CAPSTAN CONTROL UNIT 1.820.764



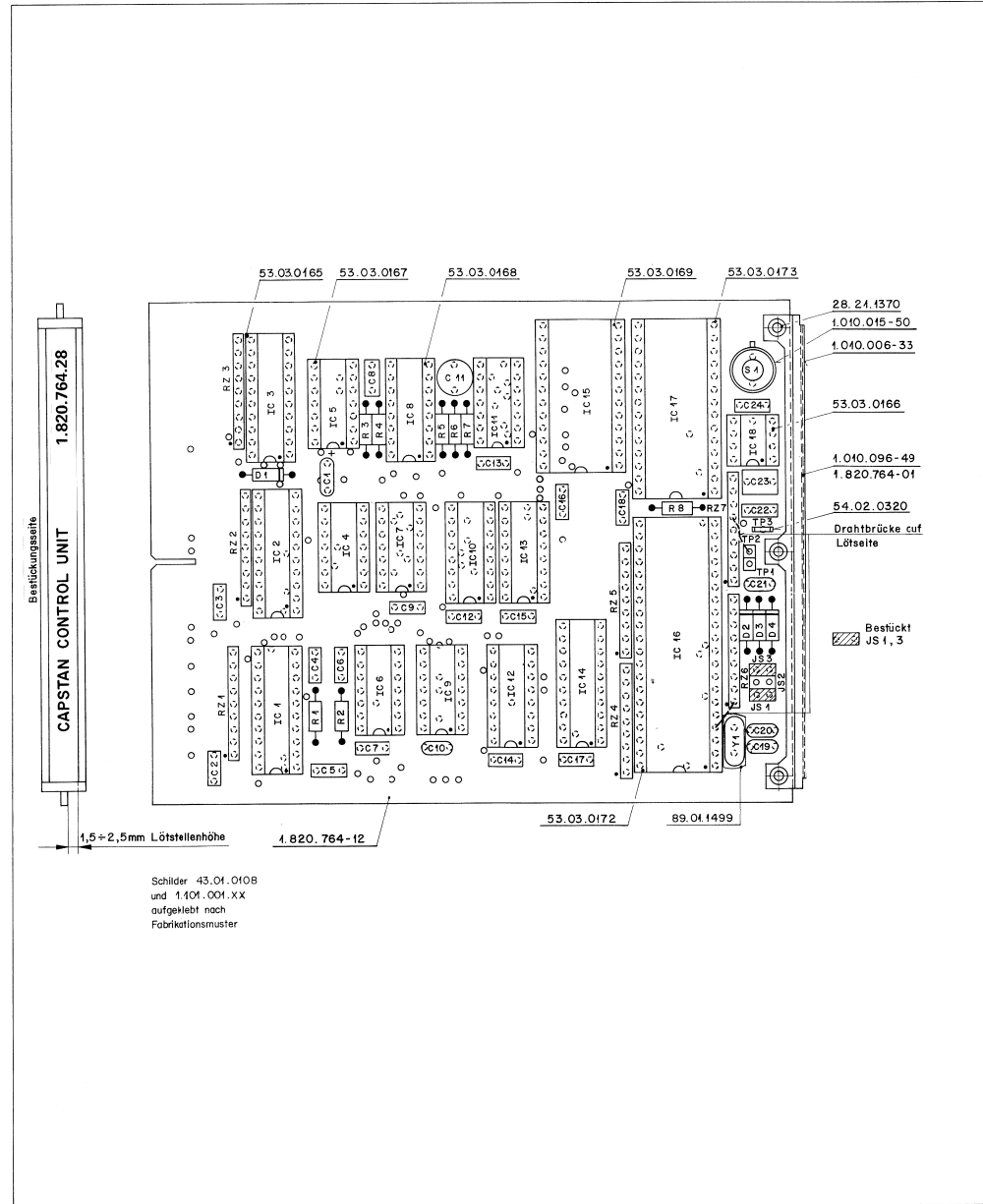


CAPSTAN CONTROL UNIT 1.820.764.28





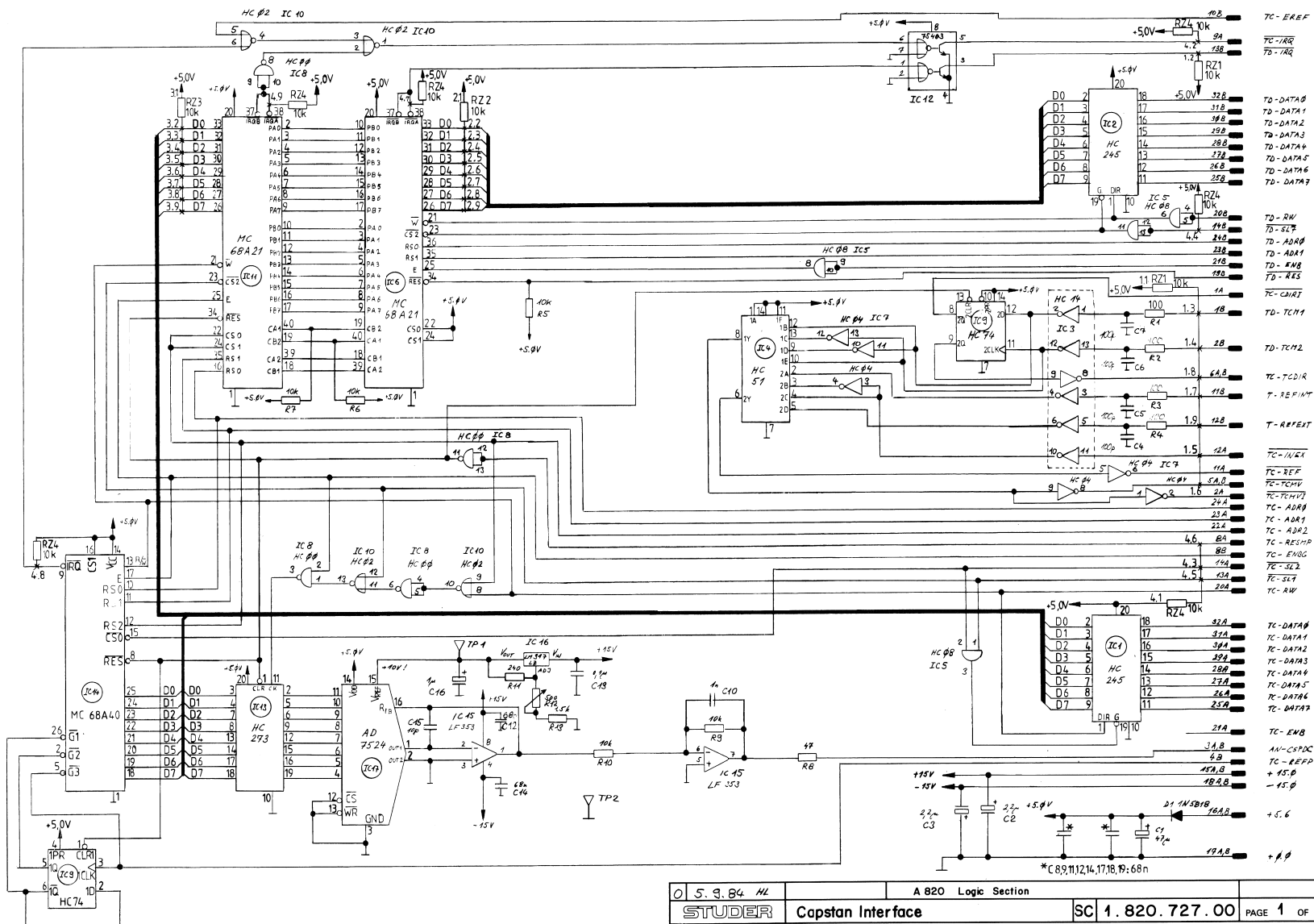
CAPSTAN CONTROL UNIT 1.820.764.28



Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
20	C....1	59.26.0470	47 uF	20%, 4.3V	Ph	(28.02.92	Software 10/92		
20	C....2	59.06.0683	68 nF	20%		Note 1 - IC 17, for Software 13/85 only:			
20	C....3	59.06.0683	68 nF	20%		Studer	50.14.0113		
20	C....4	59.32.2472	4,7 nF	10%		Hitachi	HW 482764 G-3		
20	C....5	59.06.0683	68 nF	20%		Intel	D 2764-3		
20	C....6	59.32.2332	3,3 nF	10%		SGS/Ates	M 2764 F 1		
20	C....7	59.06.0683	68 nF	20%		Texas Instruments	TMS 2764-25 JL		
20	C....8	59.06.5224	220 nF	5%		for Software 35/85 and future versions:			
20	C....9	59.06.0683	68 nF	20%		Studer	50.14.0125		
20	C....10	59.45.4560	56 pF	10%		Fujitsu	MBM 27128-30		
20	C....11	59.05.1101	100 pF	1%		Hitachi	HW 4827128 G-25/HH 4827128 G-30		
20	C....12	59.06.0683	68 nF	20%		Intel	27128 250ns		
20	C....13	59.06.0683	68 nF	20%		Note 2 - Contact pin:			
20	C....14	59.06.0683	68 nF	20%		Studer	54.01.0020		
20	C....15	59.06.0683	68 nF	20%		Berg	75 150-102-36		
20	C....16	59.06.0683	68 nF	20%		Philips	2422 025 89303		
20	C....17	59.06.0683	68 nF	20%		Bridge:	Studer	54.01.0021	
20	C....18	59.06.0683	68 nF	20%		Berg	65 474-001		
20	C....19	59.45.1150	15 pF	5%		Philips	2422 024 48003		
20	C....20	59.45.1150	15 pF	5%		Note 3 - Switch impuls:			
20	C....21	59.45.2330	33 pF	5%		Chicago Switch	34-580-001		
20	C....22	59.45.2330	33 pF	5%					
20	C....21	59.32.4102	1 nF	20%		MANUFACTURER:			
20	C....22	59.06.0104	100 nF	10%		Co-Falchrid, ITT-Intermetall, Hi-Hitachi,			
20	C....23	59.06.0474	470 nF	10%		Not-Motorola, NS-National Semiconductors,			
20	C....24	59.06.0683	68 nF	20%		(KI=OKI Semiconductors, Ph=Philips,			
20	I....1	50.04.0512	1M 5818	1M 5819	Not	RCA-Radio Corporation of America, Sgs-Sescom,			
20	I....2	50.04.0125	1M 4448		ITT, Ph, Ses, TI	SGS-SGS-ates, St-Studer, TI-Texas Instruments,			
20	I....3	50.04.0125	1M 4448		ITT, Ph, Ses, TI	To-Toshiba.			
20	I....4	50.04.0125	1M 4448		ITT, Ph, Ses, TI				
20	I....1	50.17.1540	74 HC 540		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	WE 85/06/1000		
20	I....2	50.17.1541	74 HC 541		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	WE 85/06/1020		
20	I....3	50.17.1245	74 HC 245		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	WE 85/08/1221		
20	I....4	50.17.1006	74 HC 08		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	PE 85/11/1222		
20	I....5	50.17.1007	74 HC 74		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	BO 86/09/1823		
20	I....6	50.17.1004	74 HC 04		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	BO 87/04/2424		
20	I....7	50.17.1002	74 HC 02		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	BO 88/06/1025		
20	I....8	50.06.0123	74 LS 123		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	BO 88/08/3126		
20	I....9	50.17.1000	74 HC 00		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	BO 89/03/1527		
20	I....10	50.17.1153	74 HC 153		Ph, Mot, NS, RCA, To, TI	1.820.764.00 CAPSTAN CONTROL UNIT	Wth92/02/2828		
20	I....11	50.17.0004	74 HCT 04		Ph, NS, RCA				
20	I....12	50.17.1139	74 HC 139		Ph, Mot, NS, RCA, SGS, To, TI				
20	I....13	50.07.0520	4520 BPC	HEF 4520					
20	I....14	50.17.1573	74 HC 573		Ph, Mot, NS, RCA, To, TI				
20	I....15	50.14.0107	HM6116LP-3	MSM5128-15	Hi, OKI				
20	I....16	50.18.0107	MC8003G-1	HD6803P-L	Hi, Mot				
20	I....17	00.00.0000			see note 1				
20	I....17	1.820.994.20	Software 13/85, Capstan Control	St					
20	I....17	1.820.994.21	Software 35/85, Capstan Control	St					
20	I....17	1.820.994.22	Software 36/86, Capstan Control	St					
20	I....17	1.820.994.23	Software 17/87, Capstan Control	St					
20	I....17	1.820.994.24	Software 22/88, Capstan Control	St					
20	I....17	1.820.994.25	Software 35/88, Capstan Control	St					
20	I....17	1.820.994.26	Software 37/89, Capstan Control	St					
20	I....17	1.820.994.27	Software 10/92, Capstan Control	St					
20	I....18	50.11.0122	TL7705ACP	TI					
20	JS....1	00.00.0000			see note 2				
20	JS....2	00.00.0000			see note 2				
20	JS....3	00.00.0000			see note 2				
20	TP....1	00.00.0000			see note 2				
20	TP....2	00.00.0000			see note 2				
20	TP....3	54.02.0320	Testpoint						
20	R....1	57.11.4221	220 Ohm	2%					
20	R....2	57.11.4103	10 kOhm	10%					
20	R....3	57.11.3133	13 kOhm	2%					
20	R....4	57.11.4332	3.3 kOhm	10%					
20	R....5	57.11.3532	5.1 kOhm	2%					
20	R....6	57.11.4332	3.3 kOhm	10%					
20	R....7	57.11.4332	3.3 kOhm	10%					
20	R....8	57.11.4471	470 Ohm	10%					
20	RZ....1	57.88.4103	Network 8 = 10 kOhm (old part 1.010.014.57)						
20	RZ....2	57.88.4103	Network 8 = 10 kOhm (old part 1.010.014.53)						
20	RZ....3	57.88.4103	Network 8 = 10 kOhm (old part 1.010.014.57)						
20	RZ....4	57.88.4332	Network 8 = 3.3 kOhm						
20	RZ....5	57.88.4332	Network 8 = 3.3 kOhm						
20	RZ....6	57.88.4103	Network 8 = 10 kOhm (old part 1.010.014.57)						
20	RZ....7	57.88.4332	Network 8 = 3.3 kOhm						
20	S....1	55.03.0122	Switch impuls, see note 3						
20	Y....1	89.01.0553	4.9152 MHz, T018						
22	Y....1	89.01.0550	4.9152 MHz, +- 20 ppm.						
(21)	12.08.85	software 35/85	(EPROM 16k * 8)						
(22)	12.11.85	Improved quartz accuracy.							
(23)	18.09.86	Software 36/86							
(24)	24.04.87	Software 17/87							
(25)	10.06.88	Software 22/88							
(26)	31.08.88	Software 35/88							
(27)	15.03.89	Software 37/89							



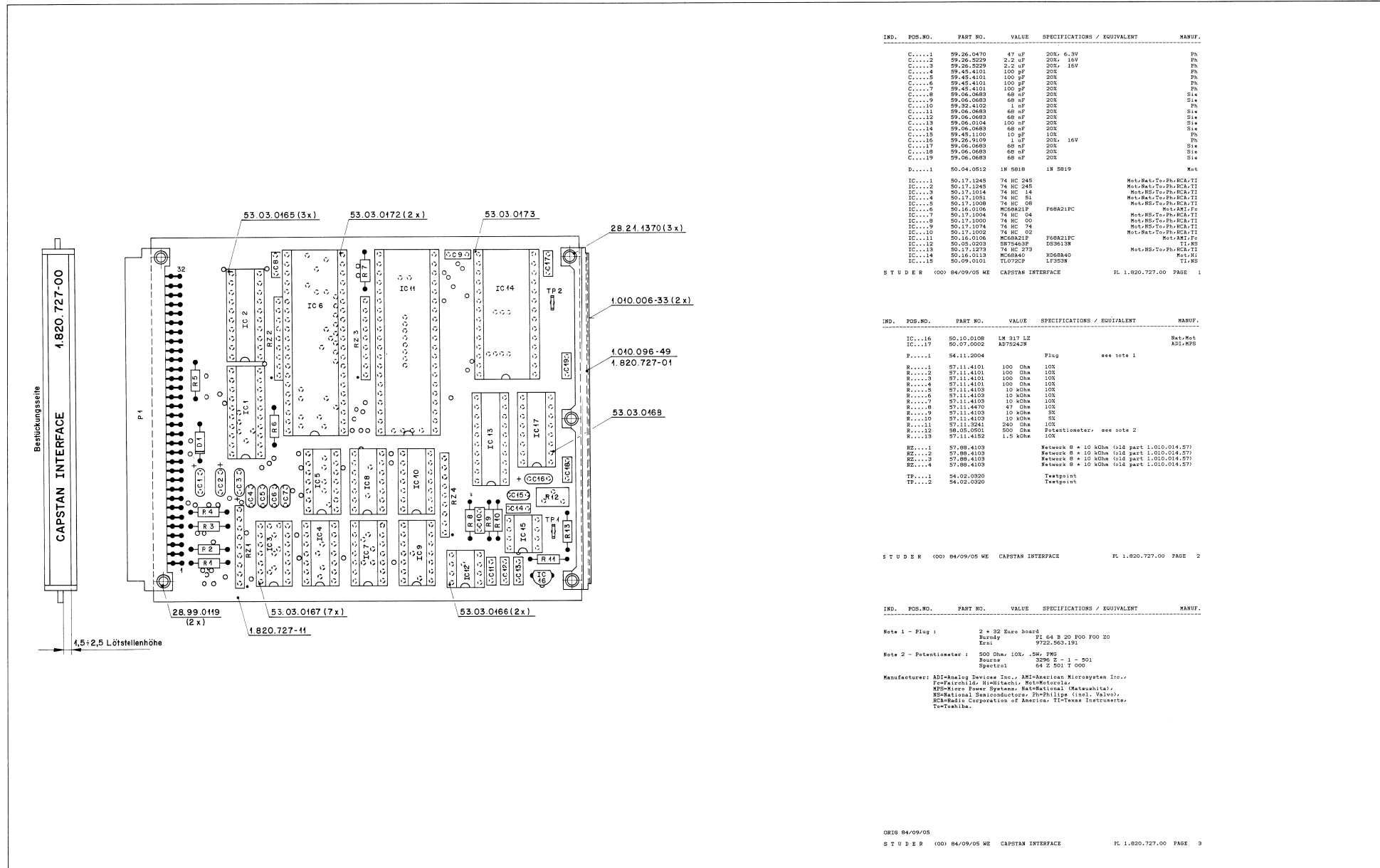
CAPSTAN INTERFACE 1.820.727.00



0 5.9.84 HL	A 820 Logic Section	SC 1.820.727.00	PAGE 1 OF 1
STUDER	Capstan Interface		



CAPSTAN INTERFACE 1.820.727.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.26.0470	47 uF	20K, 6.3V	Fh
C.....2		59.26.0229	2.2 uF	20K, 16V	Fh
C.....3		59.26.2229	2.2 uF	20K, 16V	Fh
C.....4		59.45.4101	100 pF	20K	Fh
C.....5		59.45.4101	100 pF	20K	Fh
C.....6		59.45.4101	100 pF	20K	Fh
C.....7		59.45.4101	100 pF	20K	Fh
C.....8		59.06.0683	68 nF	20K	Sia
C.....9		59.06.0683	68 nF	20K	Sia
C.....10		59.06.0683	68 nF	20K	Sia
C.....11		59.06.0683	68 nF	20K	Sia
C.....12		59.06.0683	68 nF	20K	Sia
C.....13		59.06.0104	100 nF	20K	Sia
C.....14		59.06.0683	68 nF	20K	Sia
C.....15		59.45.1100	10 pF	10K	Fh
C.....16		59.26.4109	1 uF	20K, 16V	Fh
C.....17		59.06.0683	68 nF	20K	Sia
C.....18		59.06.0683	68 nF	20K	Sia
C.....19		59.06.0683	68 nF	20K	Sia
D.....1		50.04.0512	1N 5818	1N 5819	Mot
IC.....1		50.17.1245	74 HC 245		Mot,Rat,To,Ph,RCA,TI
IC.....2		50.17.1245	74 HC 245		Mot,Rat,To,Ph,RCA,TI
IC.....3		50.17.1014	74 HC 14		Mot,RS,To,Ph,RCA,TI
IC.....4		50.17.1051	74 HC 51		Mot,Rat,To,Ph,RCA,TI
IC.....5		50.17.1008	74 HC 08		Mot,RS,To,Ph,RCA,TI
IC.....6		50.16.0106	MCS821P	F6821LC	Mot,AMI,Fe
IC.....7		50.17.1004	74 HC 04		Mot,RS,To,Ph,RCA,TI
IC.....8		50.17.1005	74 HC 05		Mot,RS,To,Ph,RCA,TI
IC.....9		50.17.1074	74 HC 74		Mot,RS,To,Ph,RCA,TI
IC.....10		50.17.1002	74 HC 02		Mot,Rat,To,Ph,RCA,TI
IC.....11		50.16.0106	MCS821P	F6821LC	Mot,AMI,Fe
IC.....12		50.05.0209	SP7463P	SP821N	TI,RS
IC.....13		50.17.1273	74 HC 273		Mot,RS,To,Ph,RCA,TI
IC.....14		50.18.0113	MCS821P	HDS821C	Mot,Fe
IC.....15		50.09.0101	TLO72CP	LF353N	TI,RS

S T U D E R (00) 84/09/05 WE CAPSTAN INTERFACE IL 1.820.727.00 PAGE 1

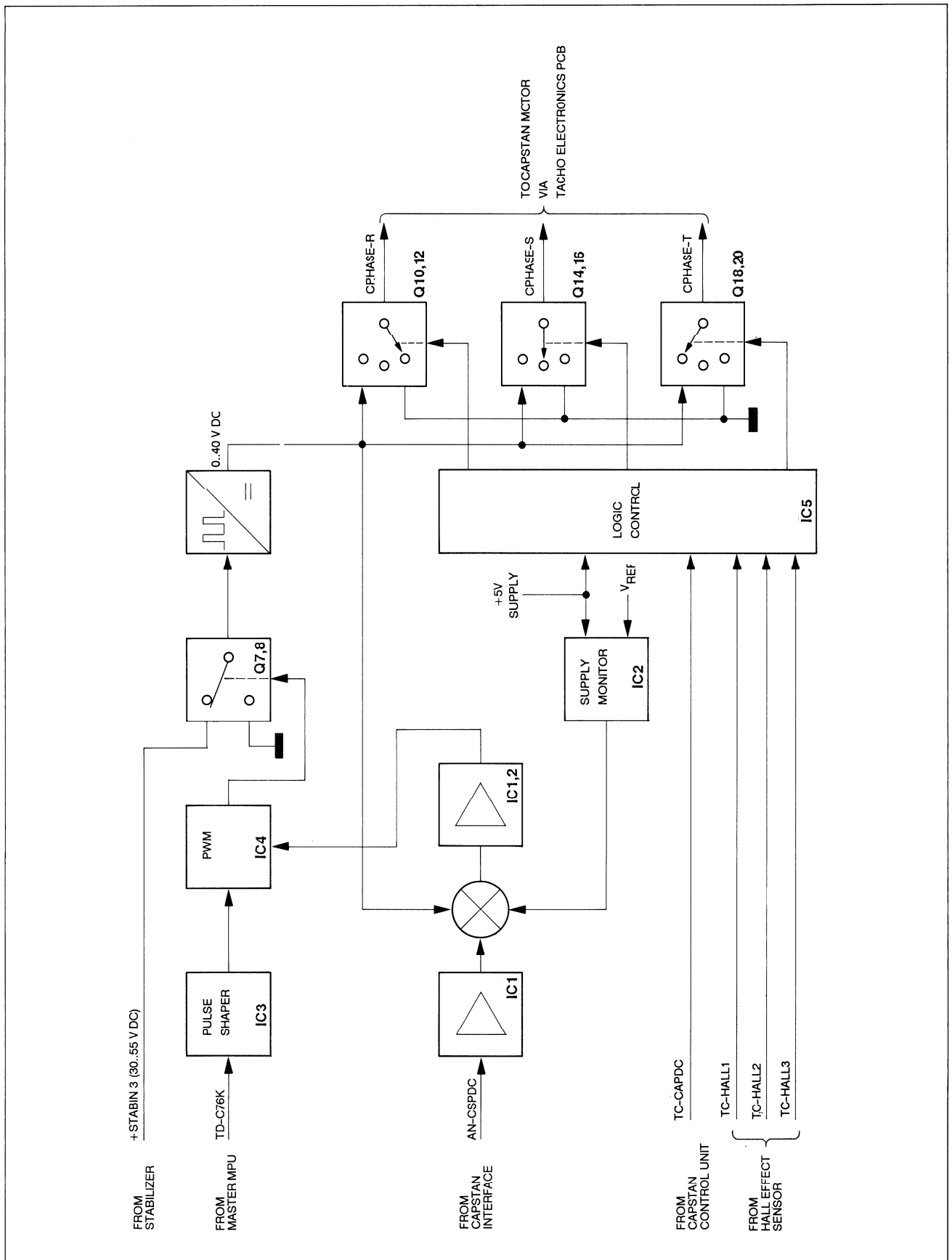
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC.....16		50.10.0108	1N 317 LZ		Rat,Mot
IC.....17		50.07.0022	MS7626N		Rat,MS
P.....1		54.11.2004		Plug	see note 1
R.....1		57.11.4101	100 Ohm	10K	
R.....2		57.11.4101	100 Ohm	10K	
R.....3		57.11.4101	100 Ohm	10K	
R.....4		57.11.4101	100 Ohm	10K	
R.....5		57.11.4103	10 kOhm	10K	
R.....6		57.11.4103	10 kOhm	10K	
R.....7		57.11.4103	10 kOhm	10K	
R.....8		57.11.4470	47 Ohm	10K	
R.....9		57.11.4103	10 kOhm	5K	
R.....10		57.11.4103	10 kOhm	5K	
R.....11		57.11.0341	240 Ohm	10K	
R.....12		58.05.0591	500 Ohm	Potentiometer, see note 2	
R.....13		57.11.4452	1.5 kOhm	10K	
RZ.....1		57.08.4103		Network B * 10 kOhm (24 part 1.010.014.57)	
RZ.....2		57.08.4103		Network B * 10 kOhm (24 part 1.010.014.57)	
RZ.....3		57.08.4103		Network B * 10 kOhm (24 part 1.010.014.57)	
RZ.....4		57.08.4103		Network B * 10 kOhm (24 part 1.010.014.57)	
TP.....1		54.02.0320		Testpoint	
TP.....2		54.02.0320		Testpoint	

S T U D E R (00) 84/09/05 WE CAPSTAN INTERFACE IL 1.820.727.00 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1 - Plug :			2 x 32 Euro board		
			Bussort	21 64 B 20 F00 F00 Z0	
			Emt	9722.563.191	
Note 2 - Potentiometer :			500 Ohm, 10K, 5W, 5M		
			Beute	3296 Z - 1 - 501	
			Spezial	64 Z 501 7 000	
Manufacturer:			ADI=Analog Devices Inc., AM=American Microsystems Inc., F=Fairchild, H=Hitachi, M=Motorola, MPS=Micro Power Systems, Nat=National (Matsushita), NS=National Semiconductor, Ph=Philips (incl. Var), RCA=RCA Corporation of America, TI=Texas Instruments, Te=Telex.		

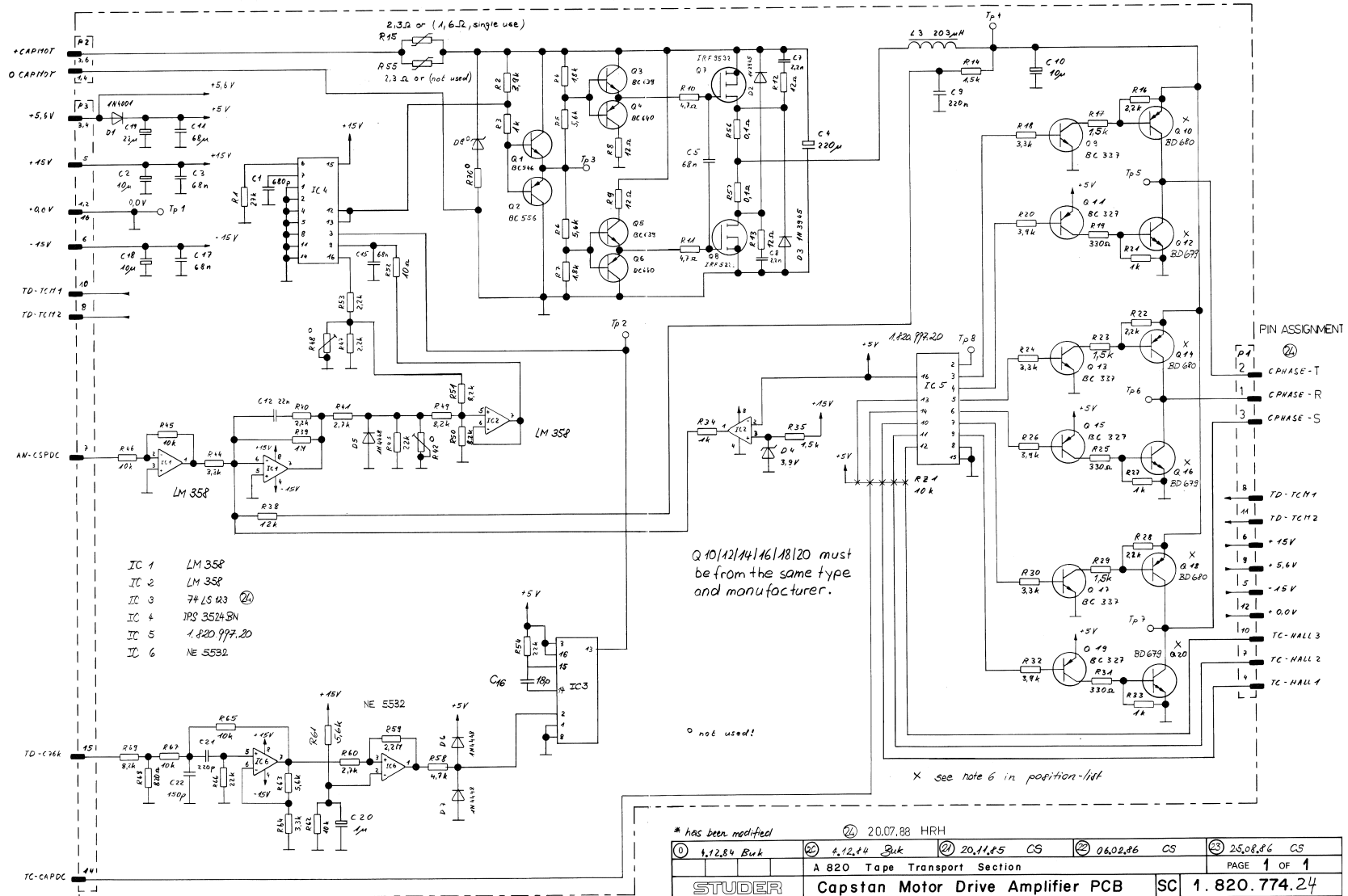
ORIG 84/09/05
S T U D E R (00) 84/09/05 WE CAPSTAN INTERFACE IL 1.820.727.00 PAGE 3

BLOCK DIAGRAM
CAPSTAN MOTOR DRIVE AMPLIFIER PCB 1.820.774



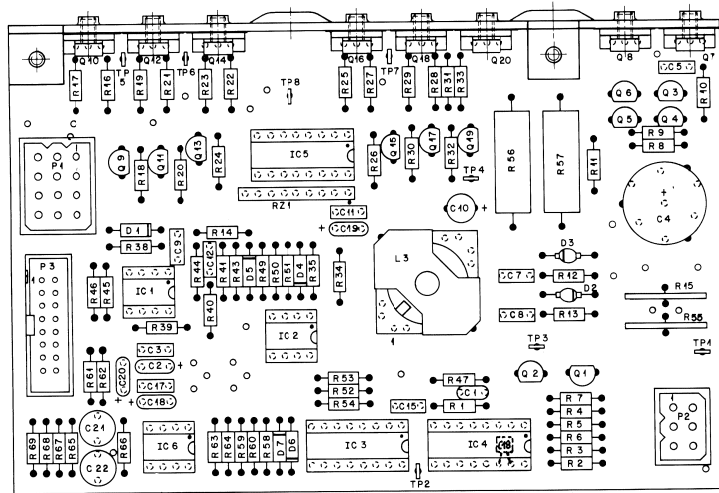


CAPSTAN MOTOR DRIVE AMPLIFIER PCB 1.820.774.24





CAPSTAN MOTOR DRIVE AMPLIFIER PCB 1.820.774.24



Ad .POS. REF.No. DESCRIPTION MANUFACTURER

MANUFACTURER: Ex=Exar, Fc=Fairchild, GI=General Instruments, ITI=Intermetallic, IPS=Integrated Power Semiconductors Ltd., MWI=Monolithic Memorys Inc., Mot=Motorola, NS=National Semiconductors, Ph=Philips, Ra=Raytheon, RCA=RCA Corporation of America, Sie=Siemens, Sig=Signetics, Ses=Seacom, Sgs=Silicon General, SSS=SSS-Ates, St=Studer, Tf=Telefunken, TI=Texas Instruments, To=Toshiba.

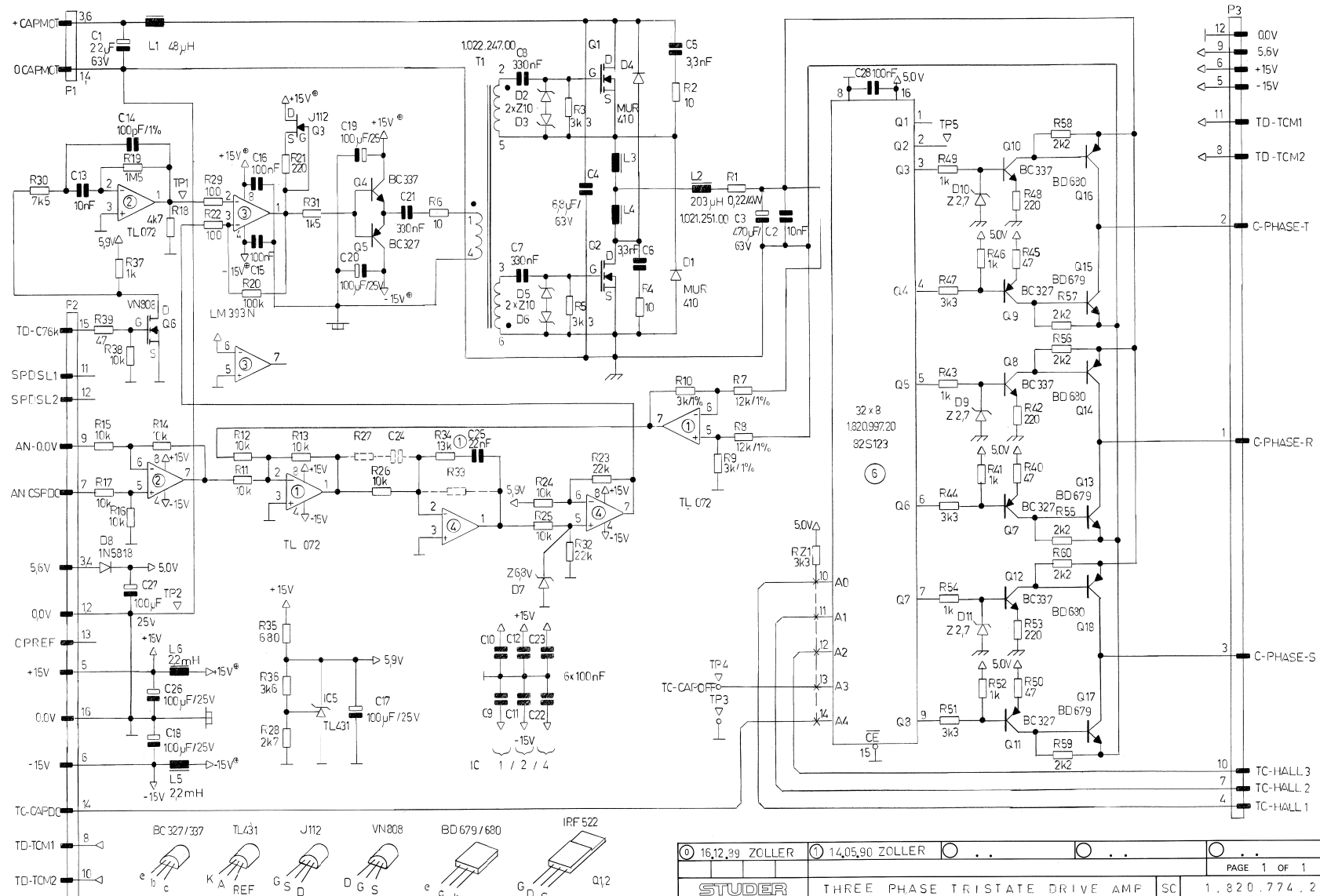
1.820.774.00 CAP. MOT. DRIVE AMP. BOARD BJK84/12/0400
 1.820.774.00 CAP. MOT. DRIVE AMP. BOARD BJK84/12/0420
 1.820.774.00 CAPSTAN MOTOR DRIVE AMPLIFIER P8 85/11/2021
 1.820.774.00 CAPSTAN MOTOR DRIVE AMPLIFIER P8 86/02/0622
 1.820.774.00 CAPSTAN MOTOR DRIVE AMPLIFIER BD 86/11/1223
 1.820.774.00 CAPSTAN MOTOR DRIVE AMPLIFIER BD 88/07/2024
 1.820.774.00 CAPSTAN MOTOR DRIVE AMPLIFIER BD 89/03/1524

Ad .POS.	REF.No.	DESCRIPTION	MANUFACTURER
20 C.....1	59.32.2681	680 pF	10%, Ce
20 C.....2	59.26.2100	10 uF	20%, 16V, EI
20 C.....3	59.06.0683	68 nF	10%, PETP
20 C.....4	59.22.9221	220 uF	-20%, 100V, EI
20 C.....5	59.06.0683	68 nF	10%, PETP
20 C.....7	59.06.0222	2200 pF	10%, 100V, PETP
20 C.....8	59.06.0222	2200 pF	10%, 100V, PETP
20 C.....9	59.06.5224	220 nF	10%, PETP
20 C.....10	59.22.8100	10 uF	-20%, 35V, EI
20 C.....11	59.06.0683	68 nF	10%, PETP
20 C.....12	59.06.0223	22 nF	10%, PETP
20 C.....15	59.06.0683	68 nF	10%, PETP
20 C.....16	00.00.0000	not used	
22 C.....16	59.34.1180	18 pF	5%, Ce
20 C.....17	59.06.0683	68 nF	10%, PETP
20 C.....18	59.26.2100	10 uF	20%, 16V, EI
20 C.....19	59.26.1220	22 uF	20%, 10V, EI
20 C.....20	59.22.8109	1 uF	-20%, 16V, EI
20 C.....21	59.05.1221	220 pF	2.5%, PP
20 C.....22	59.05.2151	150 pF	2.5%, PP
24 C.....23	59.34.1101	100 pF	5%, 53V, Ce
20 D.....1	50.04.0122	1M 4001	to 4004 ITT,Mot
20 D.....2	50.04.0508	1M 4935	1M 4935, RG 1 D, A 114 B Mot,GI
20 D.....3	50.04.0508	1M 4935	1M 4935, RG 1 D, A 114 B Mot,GI
20 D.....4	50.04.1101	3.9 Y Z	ITT,Ses
20 D.....5	50.05.0625	1M 4448	BZX 83C 3V9, BZX 55C 3V9, ZPD 3.9 ITT,Ses
20 D.....6	50.04.0125	1M 4448	Fc,ITT,Ph,Ses,Tf
20 D.....7	50.04.0125	1M 4448	Fc,ITT,Ph,Ses,Tf
20 D.....8		not used	(High voltage protection)
20 IC.....1	50.05.0286	LM 358 N	LM 358 P NS,Mot,TI
20 IC.....2	50.05.0286	LM 358 N	LM 358 P NS,Mot,TI
20 IC.....3	50.17.1123	74 MC 123	.74 MC 123 . Mot,NS,Ph,RCA,SGS,TI,To
21 IC.....3	50.06.0123	74 LS 123	.74 LS 123 . Mot,TI
22 IC.....4	50.06.0123	74 MC 123	.74 MC 123 . Mot,NS,Ph,RCA,SGS,TI,To
24 IC.....3	50.06.0123	74 LS 123	.74 LS 123 . Mot,TI
20 IC.....4	50.05.0279	SG 35248N	SGS
22 IC.....4	50.05.0279	IP53548N	IPS
24 IC.....5	50.05.0206	N 82S123N	63 S 681 J MWI,Sig
20 IC.....5	1.820.997.20		Comutation logic device St
20 IC.....6	50.09.0105	NE 5532 N	XR 5532 M, RC 532 NB Ex,Ra,Sig
20 L.....3	1.022.251.00		Filtercoil St
20 P.....1	00.00.0000	12 cont.	see Note 1
20 P.....2	00.00.0000	6 cont.	see Note 2
20 P.....3	54.14.2002	16 cont.	see Note 3
20 Q.....1	50.03.0491	BC 5468	ITT,Mot,Ph,Sie
20 Q.....2	50.03.0492	BC 5568	ITT,Mot,Ph,Sie
20 Q.....3	50.03.0493	BC 639	Mot,Ph
20 Q.....4	50.03.0626	BC 640	Mot,Ph
20 Q.....5	50.03.0551	BC 639	Mot,Ph
20 Q.....6	50.03.0626	BC 640	Mot,Ph
20 Q.....7	50.03.1552	IRF 9532	MTP 8P10 IR,Mot
20 Q.....8	50.03.1502	IRF 522	MTP 8P10 IR,Mot
20 Q.....9	50.03.0340	BC 337-25	ITT,NS,Ph,Sie
20 Q.....10	50.03.0513	BD 900 A	BDW 94 B, see note 6
23 Q.....10	50.03.0799	BD 680	see note 6 Ph
20 Q.....11	50.03.0351	BC 327-25	ITT,Ph,Sie
20 Q.....12	50.03.0520	BU 522	see note 6 Mot
23 Q.....12	50.03.0749	BD 679	see note 6 Ph
20 Q.....13	50.03.0340	BC 337-25	ITT,NS,Ph,Sie
20 Q.....14	50.03.0513	BD 900 A	BDW 94 B, see note 6
20 Q.....14	50.03.0799	BD 680	see note 6 Ph
20 Q.....15	50.03.0351	BC 327-25	ITT,Ph,Sie
20 Q.....16	50.03.0520	BU 522	see note 6 Mot
23 Q.....16	50.03.0749	BD 679	see note 6 Ph
20 Q.....17	50.03.0340	BC 337-25	ITT,NS,Ph,Sie
20 Q.....18	50.03.0513	BD 900 A	BDW 94 B, see note 6
23 Q.....18	50.03.0799	BD 680	see note 6 Ph
20 Q.....19	50.03.0351	BC 327-25	ITT,Ph,Sie
20 Q.....20	50.03.0520	BU 522	see note 6 Mot
23 Q.....20	50.03.0749	BD 679	see note 6 Ph
20 R.....1	57.11.4273	27 kOhm	5%
20 R.....2	57.11.4392	3.9 kOhm	5%
20 R.....3	57.11.4102	1 kOhm	5%
20 R.....4	57.11.4182	1.8 kOhm	5%
20 R.....5	57.11.4562	5.6 kOhm	5%
20 R.....6	57.11.4562	5.6 kOhm	5%
20 R.....7	57.11.4182	1.8 kOhm	5%
20 R.....8	57.11.4120	12 Ohm	5%
20 R.....9	57.11.4152	1.5 kOhm	5%
20 R.....10	57.11.4479	4.7 Ohm	5%
20 R.....11	57.11.4479	4.7 Ohm	5%
20 R.....12	57.11.4120	12 Ohm	5%
20 R.....13	57.11.4120	12 Ohm	5%
20 R.....14	57.11.4152	1.5 kOhm	5%
20 R.....15	57.92.1681	1.5 Ohm	5%
20 R.....16	57.11.4222	2.2 kOhm	5%
20 R.....17	57.11.4272	2.7 kOhm	5%
23 R.....17	57.11.4152	1.5 kOhm	5%
20 R.....18	57.11.4332	3.3 kOhm	5%
20 R.....19	57.11.4331	330 Ohm	5%
20 R.....20	57.11.4392	3.9 kOhm	5%
20 R.....21	57.11.4102	1 kOhm	5%
20 R.....22	57.11.4222	2.2 kOhm	5%
20 R.....23	57.11.4272	2.7 kOhm	5%
23 R.....23	57.11.4152	1.5 kOhm	5%
20 R.....24	57.11.4332	3.3 kOhm	5%

Ad .POS.	REF.No.	DESCRIPTION	MANUFACTURER
20 R.....25	57.11.4331	330 Ohm	5%
20 R.....26	57.11.4392	3.9 kOhm	5%
20 R.....27	57.11.4102	1 kOhm	5%
20 R.....28	57.11.4222	2.2 kOhm	5%
20 R.....29	57.11.4272	2.7 kOhm	5%
23 R.....29	57.11.4152	1.5 kOhm	5%
20 R.....30	57.11.4332	3.3 kOhm	5%
20 R.....31	57.11.4331	330 Ohm	5%
20 R.....32	57.11.4392	3.9 kOhm	5%
20 R.....33	57.11.4102	1 kOhm	5%
20 R.....34	57.11.4102	1 kOhm	5%
20 R.....35	57.11.4152	1.5 kOhm	5%
20 R.....36		not used	
20 R.....36	57.11.4123	12 kOhm	5%
20 R.....38	57.11.4105	1 kOhm	5%
20 R.....39	57.11.4222	2.2 kOhm	5%
20 R.....40	57.11.4222	2.2 kOhm	5%
20 R.....41	57.11.4272	2.7 kOhm	5%
20 R.....42	00.00.0000	not used	
20 R.....43	57.11.4223	22 kOhm	5%
20 R.....44	57.11.4332	3.3 kOhm	5%
20 R.....45	57.11.4103	10 kOhm	5%
20 R.....46	57.11.4103	10 kOhm	5%
20 R.....47	57.11.4222	2.2 kOhm	5%
20 R.....48	00.00.0000	not used	
20 R.....49	57.11.4822	8.2 kOhm	5%
20 R.....50	57.11.4822	8.2 kOhm	5%
20 R.....51	57.11.4822	8.2 kOhm	5%
20 R.....52	57.11.4100	10 kOhm	5%
20 R.....53	57.11.4222	2.2 kOhm	5%
20 R.....54	57.11.4223	22 kOhm	5%
20 R.....55		not used	
20 R.....56	57.56.5108	0.1 Ohm	10%
20 R.....57	57.56.5108	0.1 Ohm	10%
20 R.....58	57.11.4472	4.7 kOhm	5%
20 R.....59	57.11.5225	2.2 MOhm	5%
20 R.....60	57.11.4272	2.7 kOhm	5%
20 R.....61	57.11.4562	5.6 kOhm	5%
20 R.....62	57.11.4103	10 kOhm	5%
20 R.....63	57.11.4562	5.6 kOhm	5%
20 R.....64	57.11.4332	3.3 kOhm	5%
20 R.....65	57.11.4103	10 kOhm	5%
20 R.....66	57.11.4223	22 kOhm	5%
20 R.....67	57.11.4103	10 kOhm	5%
20 R.....68	57.11.4821	820 Ohm	5%
20 R.....69	57.11.4822	8.2 kOhm	5%
20 R.....70		not used	(High voltage protection)
20 RZ.....1	57.88.4103		see note 5
20 TP.....1	29.21.6002		Test Point
20 TP.....2	29.21.6002		Test Point
20 TP.....3	29.21.6002		Test Point
20 TP.....4	29.21.6002		Test Point
20 TP.....5	29.21.6002		Test Point
20 TP.....6	29.21.6002		Test Point
20 TP.....7	29.21.6002		Test Point
20 TP.....8	29.21.6002		Test Point
(21)	85.11.20	Improved clock synchronization performance.	
(22)	86.02.06	Clock level modification for new device IC 4.	
(23)	86.08.25	Improved saturation mode of power stage.	
(23/1)	87.11.12 Q 10/12/14/16/18/20	must be from the same type and manufacturer.	
(24)	20.07.86	Improved reliability (IC 3 HC-Mos---- LS), adjustment of Pin assignment P1 (schematic diagram only).	
(24/1)	15.03.85	Improved interference suppression of monoflop input IC 3.	
Note 1 - Connector:			
Case:	Studer Nr.	54.02.0408	
	Molex Nr.	03-06-2121	
Contact pin:	Studer Nr.	54.02.0406	
	Molex Nr.	02-06-8103	
Note 2 - Connector:			
Case:	Studer Nr.	54.02.0418	
	Molex Nr.	03-06-2061	
Contact pin:	Studer Nr.	54.02.0406	
	Molex Nr.	02-06-8103	
Note 3 - Connector:			
	Yamaichi Nr.	FAP-16-08-40SS	
	Burndy Nr.	BPH 9 B 16 500 GS	
Note 4 - PTC Resistor 1.6 Ohm, Philips Nr. 2322 604 16811			
may be replaced by two PTC Resistors 2.3 Ohm, Studer Nr. 57.99.0210			
(Positions R 15 and R 55).			
Note 5 - Resistor network, 5%, 8 * 10 kOhm			
Bourns Nr.	4609 X - 101 - 103		
Beckmann Nr.	L - 09 - 1 - R 10 k		
Sprague Nr.	256 GJ 103 X2 PD		
Matsushita Nr.	F 9 E 10 k 5%		
Tama Nr.	HGG C 09 X 10 k J		
Note 6 - For excellent wov and flutter values at 3.75 ips the NPN -			
respective the PNP - Transistors should be from the same			
type and manufacturer.			
Ce=Ceramic, EI=Electrolytic, PETP=Polyester Film, PP=Polypropylen			

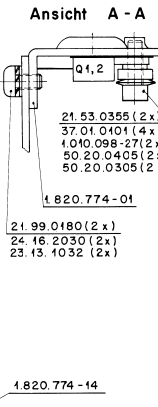
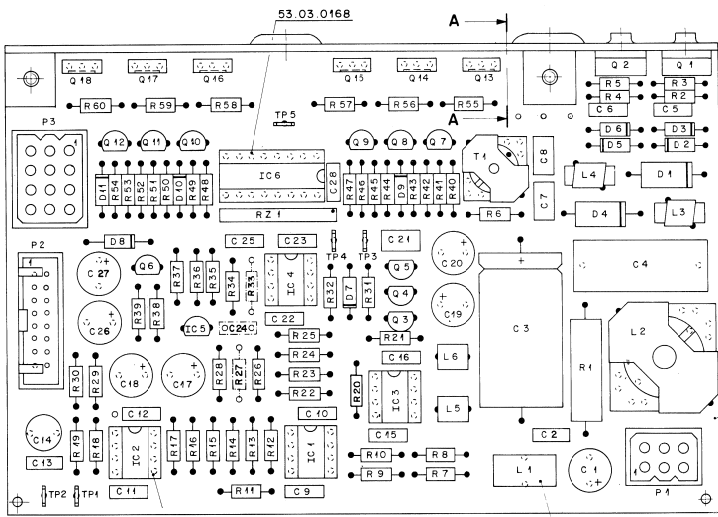


THREE PHASE TRISTATE DRIVER AMPLIFIER 1.820.774.25





THREE PHASE TRISTATE DRIVER AMPLIFIER 1.820.774.25



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.22.8220	22 uF	-20%	63V, EL	
C.....2	59.06.0113	15 nF	10%	63V, PETP	
C.....3	59.22.8411	470 uF	-20%	63V, EL	
C.....4	59.22.0805	6.8 uF	5%	63V, WEL	
C.....5	59.06.0332	3.3 nF	10%	63V, PETP	
C.....6	59.06.0332	3.3 nF	10%	63V, PETP	
C.....7	59.06.0334	330 nF	10%	63V, PETP	
C.....8	59.06.0104	330 nF	10%	63V, PETP	
C.....9	59.06.0104	100 nF	10%	63V, PETP	
C.....10	59.06.0104	100 nF	10%	63V, PETP	
C.....11	59.06.0104	100 nF	10%	63V, PETP	
C.....12	59.06.0104	100 nF	10%	63V, PETP	
C.....13	59.06.0104	100 nF	10%	63V, PETP	
C.....14	59.05.1101	100 uF	1%	63V, PP	
C.....15	59.06.0104	100 nF	10%	63V, PETP	
C.....16	59.06.0104	100 nF	10%	63V, PETP	
C.....17	59.22.5101	100 uF	-20%	25V, EL	
C.....18	59.22.5101	100 uF	-20%	25V, EL	
C.....19	59.22.5101	100 uF	-20%	25V, EL	
C.....20	59.22.5101	100 uF	-20%	25V, EL	
C.....21	59.06.0334	330 nF	10%	63V, PETP	
C.....22	59.06.0104	100 nF	10%	63V, PETP	
C.....23	59.06.0104	100 nF	10%	63V, PETP	
C.....24	59.06.0223	not used	10%	63V, PETP	
C.....25	59.22.5101	100 uF	-20%	25V, EL	
C.....26	59.22.5101	100 uF	-20%	25V, EL	
C.....27	59.22.5101	100 uF	-20%	25V, EL	
C.....28	59.06.0104	100 nF	10%	63V, PETP	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....1	50.04.0521	MUR 410			Met/1
D.....2	50.04.1216	Z 10 V	5%	1.3M	ITT/Mot/Ph/Ti/SOS
D.....3	50.04.1216	Z 10 V	5%	1.3M	ITT/Mot/Ph/Ti/SOS
D.....4	50.04.0521	MUR 410			Met/1
D.....5	50.04.1216	Z 10 V	5%	1.3M	ITT/Mot/Ph/Ti/SOS
D.....6	50.04.1216	Z 10 V	5%	1.3M	ITT/Mot/Ph/Ti/SOS
D.....7	50.04.1102	Z 6.8 V	5%	40M	ITT/Mot/Ph/Ti/SOS
D.....8	50.04.0521	MUR 410			Met/1

STUDER (00) 89/12/16 NRH CAP. MOT. DRIVE AMP. BOARD PL 1.820.774.25 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....9	50.04.1106	Z 2.7 V	5%	.40M	ITT/Mot/Ph/Ti/SOS
D.....10	50.04.1106	Z 2.7 V	5%	.40M	ITT/Mot/Ph/Ti/SOS
D.....11	50.04.1106	Z 2.7 V	5%	.40M	ITT/Mot/Ph/Ti/SOS
IC.....1	50.09.0101	TL 072 CP			Met/TL/RS
IC.....2	50.09.0101	TL 072 CP			Met/TL/RS
IC.....3	50.05.0283	LW 583 ..			TDR 0193 BP
IC.....4	50.09.0101	TL 072 CP			Met/TL/RS
IC.....5	50.10.0106	TL 491CLP			Met/TL/RS
IC.....6	1.630.997.50				St
L.....1	62.02.080.00	48 uH		2 A Filter	
L.....2	1.022.281.00	200 uH		Filetercoil	St
L.....3	62.02.01.3	1.0 uH			
L.....4	62.02.01.3	1.0 uH			
L.....5	62.02.01.3	1.0 uH			
L.....6	62.02.0222	2.2 uH		10% Rad; RM 5	
L.....7	62.02.0222	2.2 uH		10% Rad; RM 5	
F.....1	54.02.04.8	Connector	6 contacts; MOLEX; see note 2		
F.....2	54.14.2102	Connector	10 contacts; later: flat cable		
F.....3	54.02.0408	Connector	12 contacts; MOLEX; see note 1		
Q.....1	50.03.1502	18F 522		MTP 8R10	ID/Mot
Q.....2	50.03.1502	18F 522		MTP 8R10	ID/Mot
Q.....3	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....4	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....5	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....6	50.03.1505	18F 0908 M		20R 0109 A	ITT/Ph/Si
Q.....7	50.03.0301	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....8	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....9	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....10	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....11	50.03.0301	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....12	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....13	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....14	50.03.0799	BD 680		BD 679	Ph
Q.....15	50.03.0799	BD 680		BD 679	Ph

STUDER (00) 89/12/16 NRH CAP. MOT. DRIVE AMP. BOARD PL 1.820.774.25 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Q.....16	50.03.0799	BD 680		BD 679	Ph
Q.....17	50.03.0799	BD 679		BD 680	Ph
Q.....18	50.03.0799	BD 680		BD 679	Ph
R.....1	57.11.3208	0.22 Ohm		10% 4 W, MW	10%
R.....2	57.11.3100	10 Ohm			10%
R.....3	57.11.3202	3.3 Ohm			10%
R.....4	57.11.3100	10 Ohm			10%
R.....5	57.11.3202	3.3 Ohm			10%
R.....6	57.11.3100	10 Ohm			10%
R.....7	57.11.3123	12 Ohm			1%
R.....8	57.11.3123	12 Ohm			1%
R.....9	57.11.3202	3 Ohm			1%
R.....10	57.11.3202	3 Ohm			1%
R.....11	57.11.3103	10 Ohm			10%
R.....12	57.11.3103	10 Ohm			10%
R.....13	57.11.3103	10 Ohm			10%
R.....14	57.11.3103	10 Ohm			10%
R.....15	57.11.3103	10 Ohm			10%
R.....16	57.11.3103	10 Ohm			10%
R.....17	57.11.3103	10 Ohm			10%
R.....18	57.11.3272	4.7 Ohm			10%
R.....19	57.11.3105	1.5 Mohm			10%
R.....20	57.11.3104	100 Ohm			10%
R.....21	57.11.3221	220 Ohm			10%
R.....22	57.11.3101	100 Ohm			10%
R.....23	57.11.3223	22 Ohm			10%
R.....24	57.11.3103	10 Ohm			10%
R.....25	57.11.3103	10 Ohm			10%
R.....26	57.11.3103	10 Ohm			10%
R.....27	57.11.3272	not used			1%
R.....28	57.11.3101	100 Ohm			10%
R.....29	57.11.3101	100 Ohm			10%
R.....30	57.11.3102	10 Ohm			1%
R.....31	57.11.3102	10 Ohm			1%
R.....32	57.11.3223	22 Ohm			10%
R.....33	57.11.3223	22 Ohm			10%

STUDER (00) 89/12/16 NRH CAP. MOT. DRIVE AMP. BOARD PL 1.820.774.25 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....34	57.11.3133	13 Kohm			1%
R.....35	57.11.3681	680 Ohm			10%
R.....36	57.11.3362	3.6 Kohm			1%
R.....37	57.11.3102	10 Ohm			10%
R.....38	57.11.3103	10 Ohm			10%
R.....39	57.11.3102	10 Ohm			10%
R.....40	57.11.3470	47 Ohm			10%
R.....41	57.11.3102	10 Ohm			10%
R.....42	57.11.3221	220 Ohm			10%
R.....43	57.11.3102	10 Ohm			10%
R.....44	57.11.3232	3.3 Kohm			10%
R.....45	57.11.3470	47 Ohm			10%
R.....46	57.11.3102	10 Ohm			10%
R.....47	57.11.3302	33 Kohm			10%
R.....48	57.11.3102	10 Ohm			10%
R.....49	57.11.3102	10 Ohm			10%
R.....50	57.11.3102	10 Ohm			10%
R.....51	57.11.3332	3.3 Kohm			10%
R.....52	57.11.3102	10 Ohm			10%
R.....53	57.11.3221	220 Ohm			10%
R.....54	57.11.3102	10 Ohm			10%
R.....55	57.11.3222	2.2 Kohm			10%
R.....56	57.11.3222	2.2 Kohm			10%
R.....57	57.11.3222	2.2 Kohm			10%
R.....58	57.11.3222	2.2 Kohm			10%
R.....59	57.11.3222	2.2 Kohm			10%
R.....60	57.11.3222	2.2 Kohm			10%

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
RZ.....1	57.88.4332	Network		8 * 3.3 Kohm, 2%, SIF 9	
T.....1	1.022.247.00			Drive Transformer	St
TP.....1	54.02.0320	Connector		1 contact; 2.8x0.8 flat	
TP.....2	54.02.0320	Connector		1 contact; 2.8x0.8 flat	
TP.....3	54.02.0320	Connector		1 contact; 2.8x0.8 flat	
TP.....4	54.02.0320	Connector		1 contact; 2.8x0.8 flat	
TP.....5	54.02.0320	Connector		1 contact; 2.8x0.8 flat	

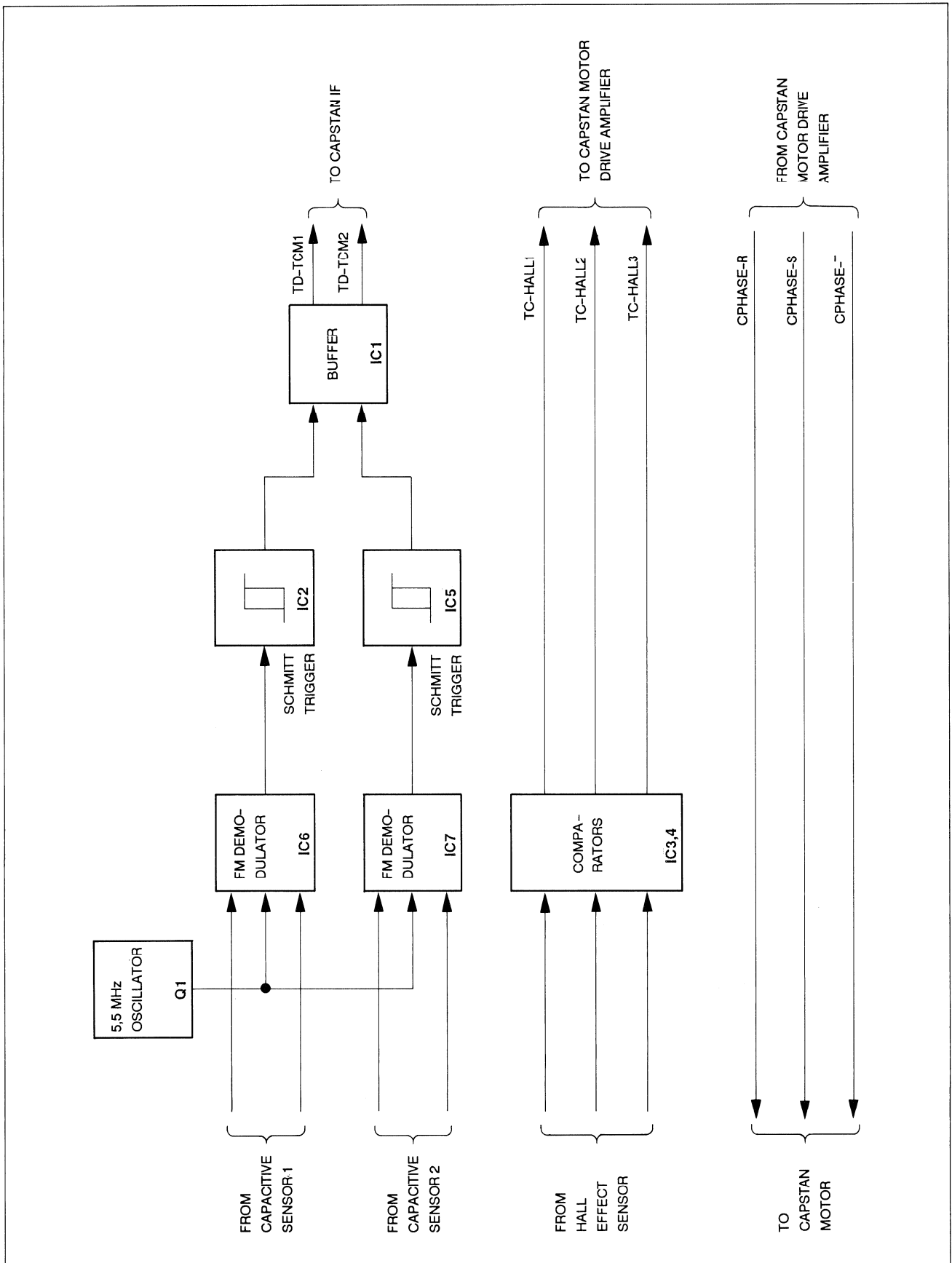
STUDER (00) 89/12/16 NRH CAP. MOT. DRIVE AMP. BOARD PL 1.820.774.25 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....9	50.04.1106	Z 2.7 V	5%	.40M	ITT/Mot/Ph/Ti/SOS
D.....10	50.04.1106	Z 2.7 V	5%	.40M	ITT/Mot/Ph/Ti/SOS
D.....11	50.04.1106	Z 2.7 V	5%	.40M	ITT/Mot/Ph/Ti/SOS
IC.....1	50.09.0101	TL 072 CP			Met/TL/RS
IC.....2	50.09.0101	TL 072 CP			Met/TL/RS
IC.....3	50.05.0283	LW 583 ..			TDR 0193 BP
IC.....4	50.09.0101	TL 072 CP			Met/TL/RS
IC.....5	50.10.0106	TL 491CLP			Met/TL/RS
IC.....6	1.630.997.50				St
L.....1	62.02.080.00	48 uH		2 A Filter	
L.....2	1.022.281.00	200 uH		Filetercoil	St
L.....3	62.02.01.3	1.0 uH			
L.....4	62.02.01.3	1.0 uH			
L.....5	62.02.01.3	1.0 uH			
L.....6	62.02.0222	2.2 uH		10% Rad; RM 5	
L.....7	62.02.0222	2.2 uH		10% Rad; RM 5	
F.....1	54.02.04.8	Connector	6 contacts; MOLEX; see note 2		
F.....2	54.14.2102	Connector	10 contacts; later: flat cable		
F.....3	54.02.0408	Connector	12 contacts; MOLEX; see note 1		
Q.....1	50.03.1502	18F 522		MTP 8R10	ID/Mot
Q.....2	50.03.1502	18F 522		MTP 8R10	ID/Mot
Q.....3	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....4	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....5	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....6	50.03.1505	18F 0908 M		20R 0109 A	ITT/Ph/Si
Q.....7	50.03.0301	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....8	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....9	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....10	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....11	50.03.0301	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....12	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....13	50.03.0300	BC 377-25		BC 377-25	ITT/Ph/Si
Q.....14	50.03.0799	BD 680		BD 679	Ph
Q.....15	50.03.0799	BD 680		BD 679	Ph

STUDER (00) 89/12/16 NRH CAP. MOT. DRIVE AMP. BOARD PL 1.820.774.25 PAGE 5

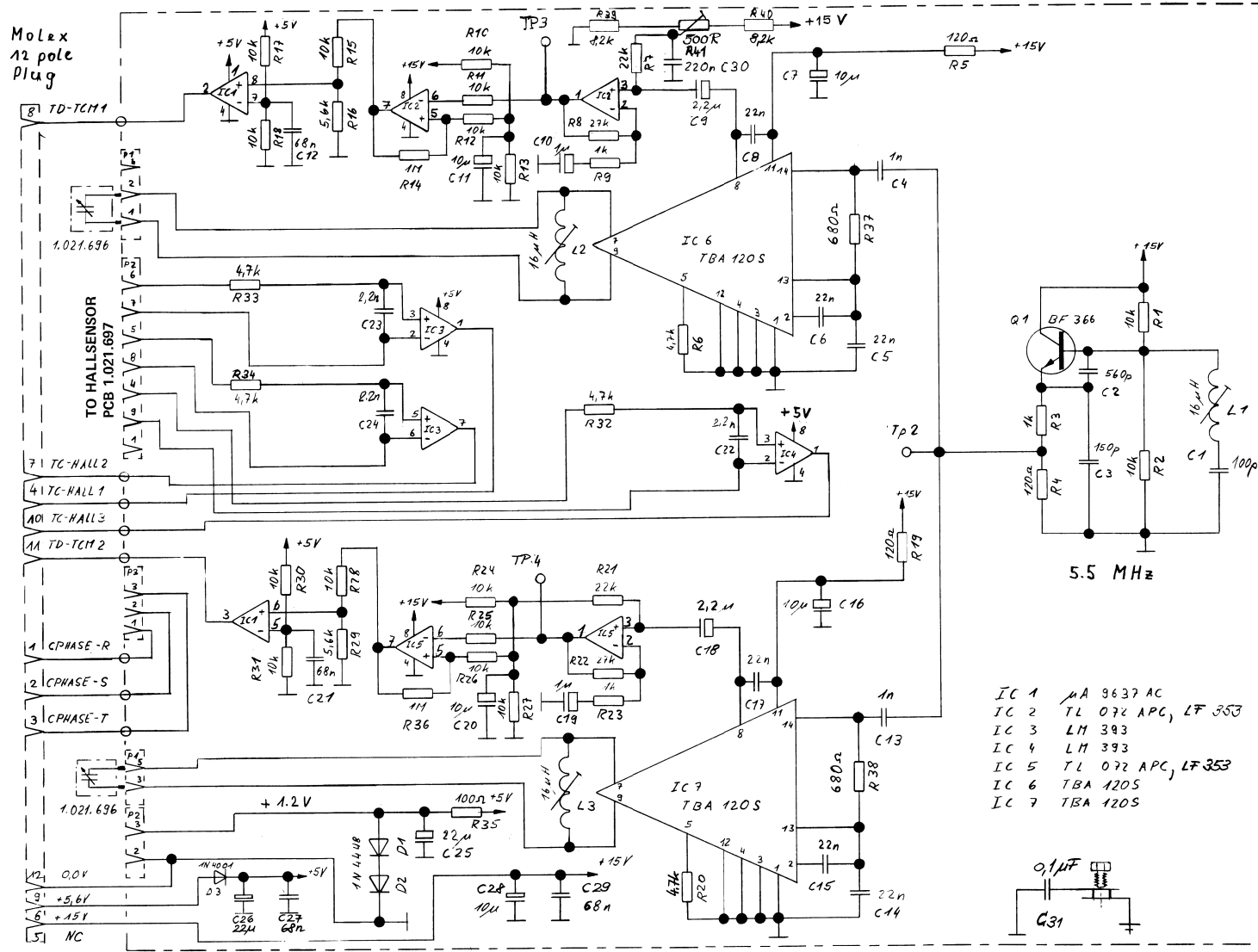
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....16	50.03.0799	BD 680		BD 679	Ph
R.....17	50.03.0799	BD 679		BD 680	Ph
R.....18	50.03.0799	BD 680		BD 679	Ph
R.....1	57.11.3208	0.22 Ohm		10% 4 W, MW	10%
R.....2	57.11.3100	10 Ohm			10%
R.....3	57.11.3202	3.3 Ohm			10%
R.....4	57.11.3100	10 Ohm			10%
R.....5	57.11.3202	3.3 Ohm			10%
R.....6	57.11.3100	10 Ohm			10%
R.....7	57.11.3123	12 Ohm			1%

BLOCK DIAGRAM
TACHO SENSOR ELECTRONICS PCB 1.820.695





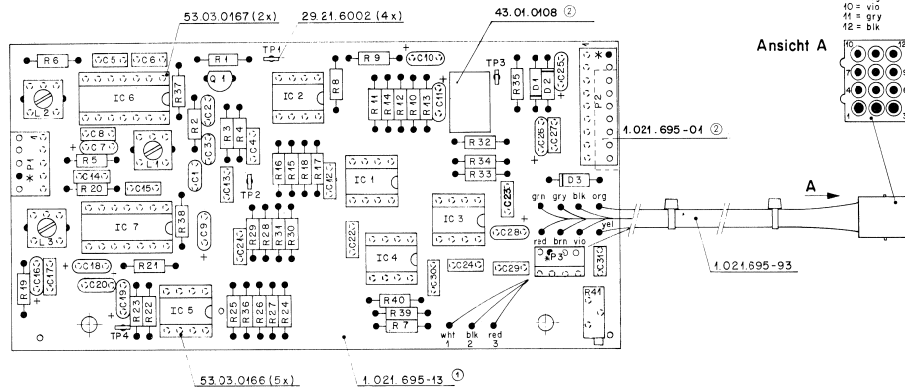
TACHO SENSOR ELECTRONICS PCB 1.021.695.83



- IC 1 MA 9637 AC
- IC 2 TL 072 APC, LF 353
- IC 3 LM 393
- IC 4 LM 393
- IC 5 TL 072 APC, LF 353
- IC 6 TBA 120 S
- IC 7 TBA 120 S

0	4.12.84 Buk	1	1208.86 C5	2	27.10.86 C5	...	PAGE 1 OF 1
							SC 1.021.695.83
							Tacho Sensor Electronics PCB
							STUDER

TACHO SENSOR ELECTRONICS PCB 1.021.695.83



- 1 = red
- 2 = wht
- 3 = blk
- 4 = yel
- 5 = lea
- 6 = red
- 7 = brn
- 8 = grn
- 9 = org
- 10 = vio
- 11 = gry
- 12 = blk

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....2	50.09.0101	LF 393 N	TL 072 CP	RS:II
	IC....3	50.05.0283	LM 393 N	LM 393 P	RS:II
	IC....4	50.05.0283	LM 393 N	LM 393 P	RS:II
	IC....5	50.09.0101	LF 393 N	TL 072 CP	RS:II
	IC....6	50.11.0107	TBA 120S		Sie
	IC....7	50.11.0107	TBA 120S		Sie
	L....1	1.022.222.00	16 mH	HF-COIL	St
	L....2	1.022.222.00	16 mH	HF-COIL	St
	L....3	1.022.222.00	16 mH	HF-COIL	St

	F....1	54.01.0208			see Note 2
	F....2	54.01.0217			see Note 3
(00)	F....3	54.01.0207			see Note 4
(01)	F....3	54.01.0241			see Note 4
	Q....1	50.03.0514	BF 366		Not
	R....1	57.11.4103	10 kOhm	5K	
	R....2	57.11.4103	10 kOhm	5K	
	R....3	57.11.4102	10 kOhm	5K	
	R....4	57.11.4121	120 Ohm	5K	
	R....5	57.11.4121	120 Ohm	5K	
	R....6	57.11.4472	4.7 kOhm	5K	
	R....7	57.11.4223	25 kOhm	5K	
	R....8	57.11.4273	27 kOhm	5K	
	R....9	57.11.4102	10 kOhm	5K	
	R....10	57.11.4103	10 kOhm	5K	
	R....11	57.11.4103	10 kOhm	5K	
	R....12	57.11.4103	10 kOhm	5K	
	R....13	57.11.4103	10 kOhm	5K	
	R....14	57.11.4105	10 kOhm	5K	
	R....15	57.11.4103	10 kOhm	5K	
	R....16	57.11.4562	5.6 kOhm	5K	
	R....17	57.11.4103	10 kOhm	5K	
	R....18	57.11.4103	10 kOhm	5K	
	R....19	57.11.4121	120 Ohm	5K	

STUDER (00) 86/08/12 CS TACHO SENS. EL. BOARD PL 1.021.695.83 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	R....20	57.11.4472	4.7 kOhm	5K	
	R....21	57.11.4223	25 kOhm	5K	
	R....22	57.11.4273	27 kOhm	5K	
	R....23	57.11.4102	10 kOhm	5K	
	R....24	57.11.4103	10 kOhm	5K	
	R....25	57.11.4103	10 kOhm	5K	
	R....26	57.11.4103	10 kOhm	5K	
	R....27	57.11.4103	10 kOhm	5K	
	R....28	57.11.4103	10 kOhm	5K	
	R....29	57.11.4562	5.6 kOhm	5K	
	R....30	57.11.4103	10 kOhm	5K	
	R....31	57.11.4103	10 kOhm	5K	
	R....32	57.11.4472	4.7 kOhm	5K	
	R....33	57.11.4472	4.7 kOhm	5K	
	R....34	57.11.4472	4.7 kOhm	5K	
	R....35	57.11.4101	100 kOhm	5K	
	R....36	57.11.4101	100 kOhm	5K	
	R....37	57.11.4681	680 Ohm	5K	
	R....38	57.11.4681	680 Ohm	5K	
	R....39	57.11.4822	8.2 kOhm	5K	
	R....40	57.11.4822	8.2 kOhm	5K	
	R....41	56.05.0501	500 Ohm	10X	see Note 1
	TP....1	29.21.6002			Testpoint
	TP....2	29.21.6002			Testpoint
	TP....3	29.21.6002			Testpoint
	TP....4	29.21.6002			Testpoint

STUDER (00) 86/08/12 CS TACHO SENS. EL. BOARD PL 1.021.695.83 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C....1	59.34.4101	100 pF	5K, M750, CE	
	C....2	59.34.4561	560 pF	5K, 63V, CE	
	C....3	59.34.4151	150 pF	5K, M750, CE	
	C....4	59.06.0102	1 nF	10K, 63V, PETP	
	C....5	59.06.0223	22 nF	10K, 63V, PETP	
	C....6	59.06.0223	22 nF	10K, 63V, PETP	
	C....7	59.26.2100	10 uF	20K, 16V, EL	
	C....8	59.06.0223	22 nF	10K, 63V, PETP	
	C....9	59.26.2100	2.2 uF	20K, 25V, EL	
	C....10	59.26.2100	10 uF	20K, 16V, EL	
	C....11	59.26.2100	10 uF	20K, 16V, EL	
	C....12	59.06.0683	68 nF	10K, 63V, PETP	
	C....13	59.06.0102	1 nF	10K, 63V, PETP	
	C....14	59.06.0223	22 nF	10K, 63V, PETP	
	C....15	59.06.0223	22 nF	10K, 63V, PETP	
	C....16	59.26.2100	10 uF	20K, 16V, EL	
	C....17	59.06.0223	22 nF	10K, 63V, PETP	
	C....18	59.26.2100	2.2 uF	20K, 25V, EL	
	C....19	59.26.2100	10 uF	20K, 16V, EL	
	C....20	59.26.2100	10 uF	20K, 16V, EL	
	C....21	59.06.0683	68 nF	10K, 63V, PETP	
	C....22	59.06.0222	2.2 nF	10K, 63V, PETP	
	C....23	59.06.0222	2.2 nF	10K, 63V, PETP	
	C....24	59.06.0222	2.2 nF	10K, 63V, PETP	
	C....25	59.26.1220	22 uF	20K, 10V, EL	
	C....26	59.26.1220	22 uF	20K, 10V, EL	
	C....27	59.06.0683	68 nF	10K, 63V, PETP	
	C....28	59.26.2100	10 uF	20K, 16V, EL	
	C....29	59.06.0683	68 nF	10K, 63V, PETP	
	C....30	59.06.0224	220 nF	10K, 63V, PETP	
	C....31	59.06.0104	100 nF	10K, 63V, PETP	
	D....1	50.04.0125	18 4448		For:ITT-Pb-Sew-TI
	D....2	50.04.0125	18 4448		For:ITT-Pb-Sew-TI
	D....3	50.04.0122	18 4001	(to 4004)	Met
	IE....1	50.15.0114	UN9637ACP	9637 BTC	Fe-TI

STUDER (00) 86/08/12 CS TACHO SENS. EL. BOARD PL 1.021.695.83 PAGE 1

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

Note 1: Part: Bourne, Nr.: 3296 2-1-501
Spectrol, Nr.: 64 Z 501 T 000
Murata, Nr.: Part 3105 2-1-501

Note 2: Plug: 5-Pin AMP, Nr.: -163.680-3

Note 3: Plug: 9-Pin AMP, Nr.: -163.680-7

Note 4: Plug: 3-Pin AMP, Nr.: -163.680-1

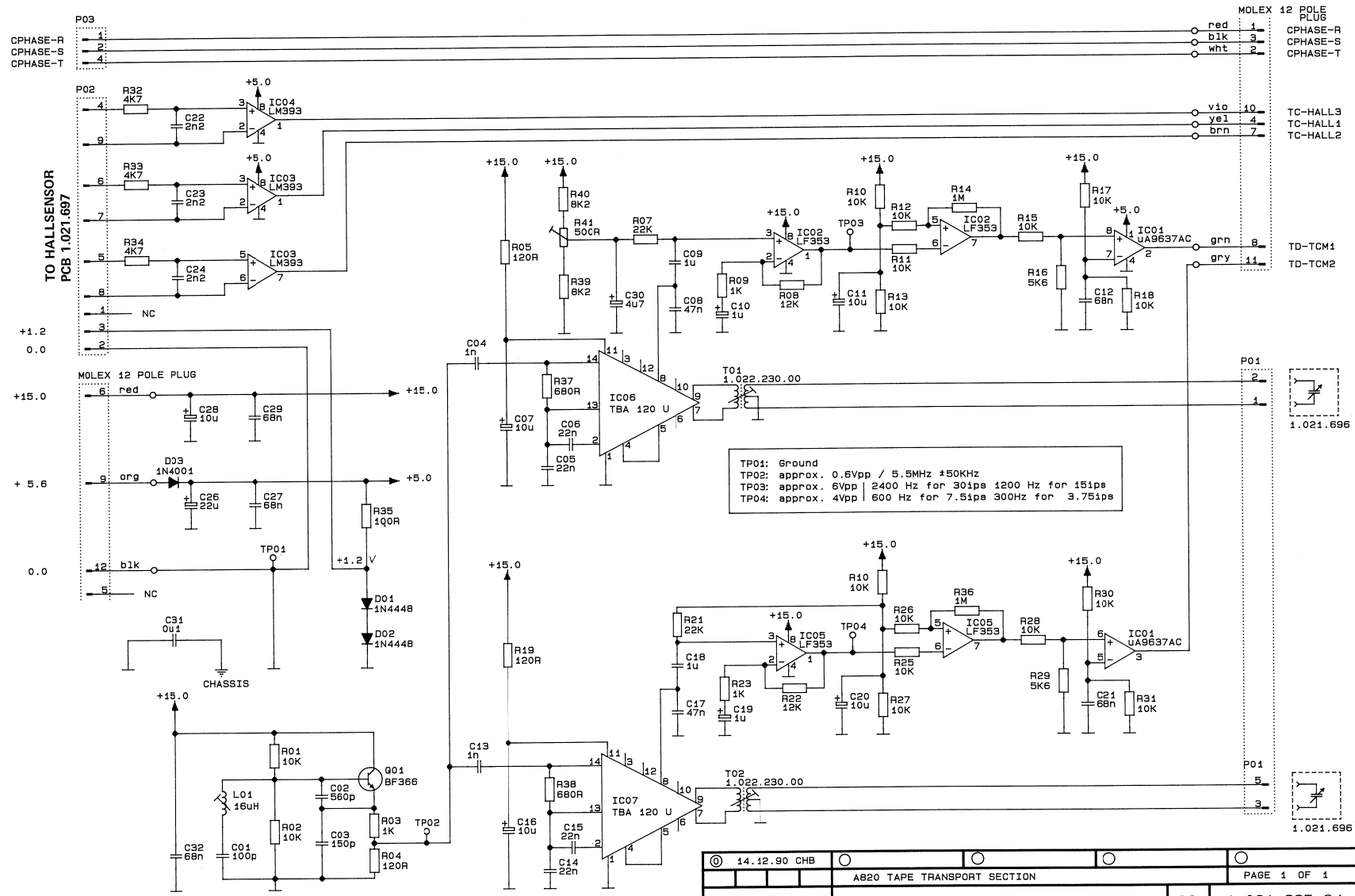
CE=Ceramic; EL=Electrolytic; PETP=Polyester Film

MANUFACTURER: Fe=Fairchild; GI=General Instruments; ITT=Intersnell;
Met=Motorola; NS=National Semiconductor; Pb=Philips;
Sie=Siemens; SW=Studer; TI=Texas Instruments

STUDER (00) 86/08/12 CS TACHO SENS. EL. BOARD PL 1.021.695.83 PAGE 4



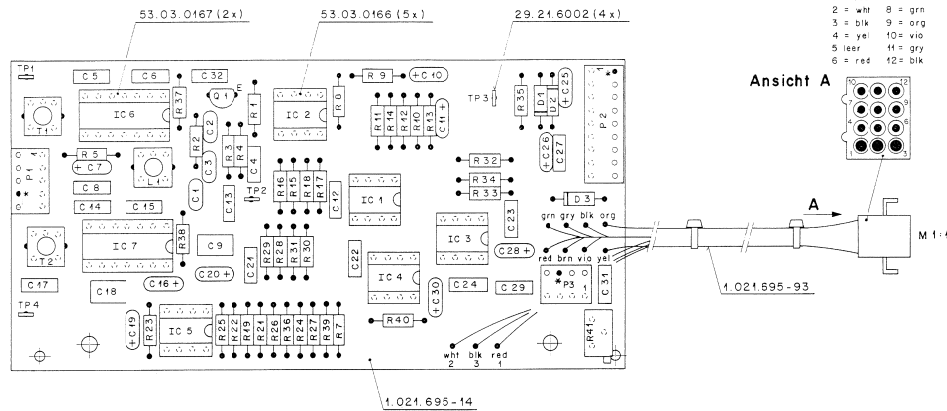
TACHO SENSOR ELECTRONICS PCB 1.021.695.84



14.12.90	CHB				
A820 TAPE TRANSPORT SECTION			PAGE 1 OF 1		
STUDER		TACHO SENSOR ELECTRONICS PCB		SC	1.021.695.84



TACHO SENSOR ELECTRONICS PCB 1.021.695.84



* Codierung: Schaltdraht 64.01.0108 gO,8x8mm (muss 1mm vorstehen)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...	2	50.09.0101	1P 353 M	TL 072 CP	NS/TI
IC...	3	50.05.0283	LM 393 M	LM 393 P	NS/TI
IC...	4	50.05.0283	LM 393 M	LM 393 P	NS/TI
IC...	5	50.09.0101	1P 353 M	TL 072 CP	NS/TI
IC...	6	50.11.0151	TBA 1200		Pho/Sie
IC...	7	50.11.0151	TBA 1200		Pho/Sie
L.....	1	1.022.222.00	16 nH	HF-COIL	St
T.....1		1.022.230.00	Diodes	inator X-foresc	St
L.....2		1.022.222.00	16 nH	HF-COIL	St
F.....1		54.01.0288		see Note 2	
F.....2		54.01.0217		see Note 3	
F.....3		54.01.0207		see Note 4	
F.....3		54.01.0241		see Note 4	
C.....1		50.03.0514	8F 366		Not
R.....1		57.11.4103	10 kOhm	5X	
R.....2		57.11.4103	10 kOhm	5X	
R.....3		57.11.4102	1 kOhm	5X	
R.....4		57.11.4121	120 Ohm	5X	
R.....5		57.11.4121	120 Ohm	5X	
R.....6					
R.....7		57.11.4223	22 kOhm	5X	
R.....8		57.11.4123	12 kOhm	5X	
R.....9		57.11.4102	1 kOhm	5X	
R.....10		57.11.4103	10 kOhm	5X	
R.....11		57.11.4103	10 kOhm	5X	
R.....12		57.11.4103	10 kOhm	5X	
R.....13		57.11.4103	10 kOhm	5X	
R.....14		57.11.4103	10 kOhm	5X	
R.....15		57.11.4103	10 kOhm	5X	
R.....16		57.11.4822	8.2 kOhm	5X	
R.....17		57.11.4103	10 kOhm	5X	

STUDER (99) 90/03/23 ZAN TACHO SENS. EL. BOARD PL 1.021.695.84 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....18		57.11.4103	10 kOhm	5X	
R.....19		57.11.4121	120 Ohm	5X	
R.....20					
R.....21		57.11.4223	22 kOhm	5X	
R.....22		57.11.4223	22 kOhm	5X	
R.....23		57.11.4102	1 kOhm	5X	
R.....24		57.11.4103	10 kOhm	5X	
R.....25		57.11.4103	10 kOhm	5X	
R.....26		57.11.4103	10 kOhm	5X	
R.....27		57.11.4103	10 kOhm	5X	
R.....28		57.11.4103	10 kOhm	5X	
R.....29		57.11.4822	8.2 kOhm	5X	
R.....30		57.11.4103	10 kOhm	5X	
R.....31		57.11.4103	10 kOhm	5X	
R.....32		57.11.4472	4.7 kOhm	5X	
R.....33		57.11.4472	4.7 kOhm	5X	
R.....34		57.11.4472	4.7 kOhm	5X	
R.....35		57.11.4101	100 Ohm	5X	
R.....36		57.11.4101	100 Ohm	5X	
R.....37		57.11.4681	680 Ohm	5X	
R.....38		57.11.4681	680 Ohm	5X	
R.....39		57.11.4822	8.2 kOhm	5X	
R.....40		57.11.4822	8.2 kOhm	5X	
R.....41		50.05.0501	500 Ohm	10X	
TP.....1		29.21.6002		Testpoint	
TP.....2		29.21.6002		Testpoint	
TP.....3		29.21.6002		Testpoint	
TP.....4		29.21.6002		Testpoint	

STUDER (99) 90/03/23 ZAN TACHO SENS. EL. BOARD PL 1.021.695.84 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.34.4101	100 pF	5% .8750, CE	
C.....2		59.34.2561	500 pF	5% .8750, CE	
C.....3		59.34.4151	150 pF	5% .8750, CE	
C.....4		59.06.0102	1 nF	10%, 63W, PETP	
C.....5		59.06.0223	22 nF	10%, 63W, PETP	
C.....6		59.06.0223	22 nF	10%, 63W, PETP	
C.....7		59.26.2100	10 uF	20%, 16V, EL	
C.....8		59.06.0473	47 nF	10%, 63W, PETP	
C.....9		59.26.2100	1 uF	20%, 16V, EL	
C.....10		59.26.2100	1 uF	20%, 16V, EL	
C.....11		59.06.2100	10 uF	20%, 16V, EL	
C.....12		59.06.0893	68 nF	10%, 63W, PETP	
C.....13		59.06.0102	1 nF	10%, 63W, PETP	
C.....14		59.06.0223	22 nF	10%, 63W, PETP	
C.....15		59.06.0223	22 nF	10%, 63W, PETP	
C.....16		59.26.2100	10 uF	20%, 16V, EL	
C.....17		59.06.0473	47 nF	10%, 63W, PETP	
C.....18		59.26.2100	2.2 uF	20%, 25V, EL	
C.....19		59.26.2100	1 uF	20%, 40V, EL	
C.....20		59.26.2100	10 uF	20%, 16V, EL	
C.....21		59.06.0683	68 nF	10%, 63W, PETP	
C.....22		59.06.0222	2.2 nF	10%, 63W, PETP	
C.....23		59.06.0222	2.2 nF	10%, 63W, PETP	
C.....24		59.06.0222	2.2 nF	10%, 63W, PETP	
C.....25		59.26.1220	22 uF	20%, 10V, EL	
C.....26		59.26.1220	22 uF	20%, 10V, EL	
C.....27		59.06.0483	68 nF	10%, 63W, PETP	
C.....28		59.26.2100	10 uF	20%, 16V, EL	
C.....29		59.06.0483	68 nF	10%, 63W, PETP	
C.....30		59.26.1479	4.7 uF	10%, 10V, EL	
C.....31		59.06.0104	100 nF	10%, 63W, PETP	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....1		50.04.0123	1N 4448		For ITT, Ph, Saw, TE
D.....2		50.04.0123	1N 4448		For ITT, Ph, Saw, TE
D.....3		50.04.0122	1N 4001	(to 4004)	Not
IC.....1		50.15.0114	UM637ACD	9637 ATC	For TI

Note 1: Pot: Bussma, Nr.: 3296 2-1-501
Spattel, Nr.: 64 Z 301 Y 000
Hatsuta, Nr.: Pot 3105 2-1-501

Note 2: Flugs: 5-Pin AMP, Nr.: -103.680-3

Note 3: Flugs: 9-Pin AMP, Nr.: -103.680-7

Note 4: Flugs: 3-Pin AMP, Nr.: -103.680-1

CE=Ceramic, EL=Electrolytic, PETP=Polyester Film

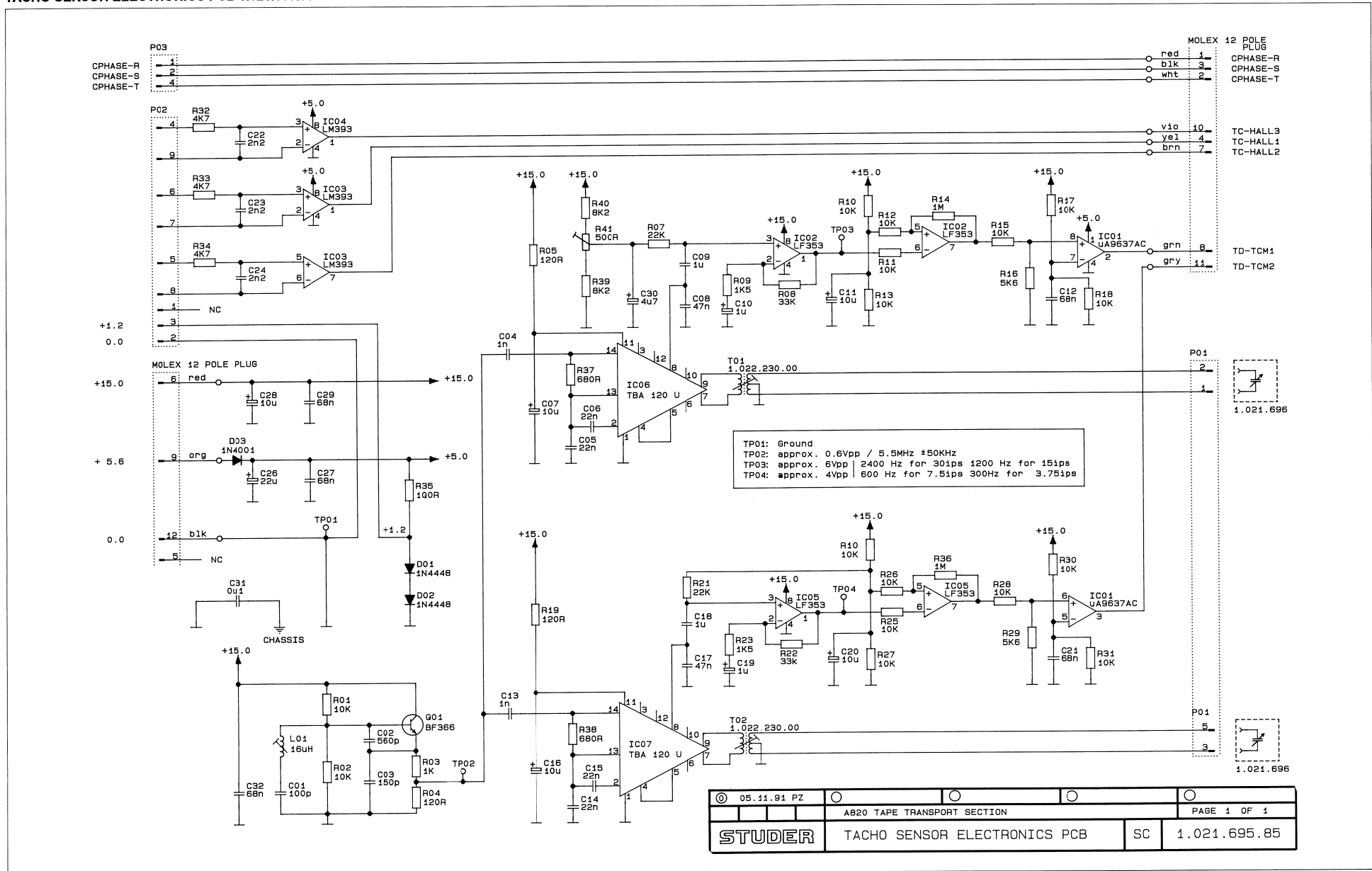
MANUFACTURERS: Fo=Fairchild, Gi=General Instruments, ITT=Intertechnology, M=Motorola, Ni=National Semiconductors, Ph=Philips, Sie=Siemens, St=Studer, Ti=Texas Instruments

STUDER (99) 90/03/23 ZAN TACHO SENS. EL. BOARD PL 1.021.695.84 PAGE 1

STUDER (99) 90/03/23 ZAN TACHO SENS. EL. BOARD PL 1.021.695.84 PAGE 4

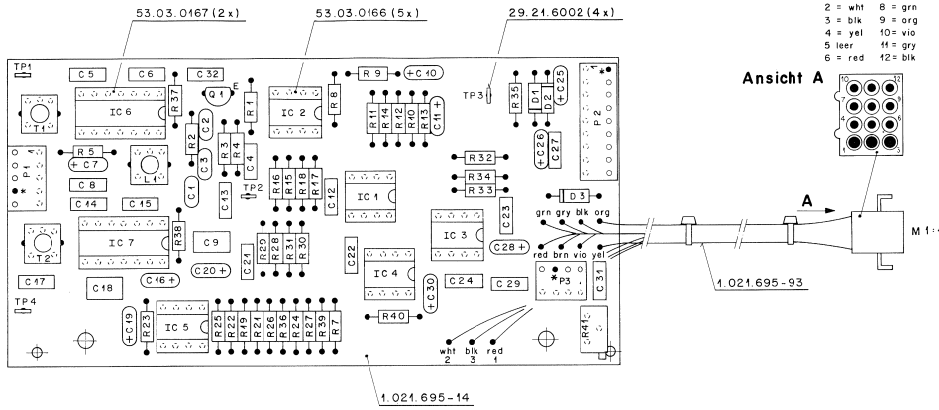


TACHO SENSOR ELECTRONICS PCB 1.021.695.85





TACHO SENSOR ELECTRONICS PCB 1.021.695.85



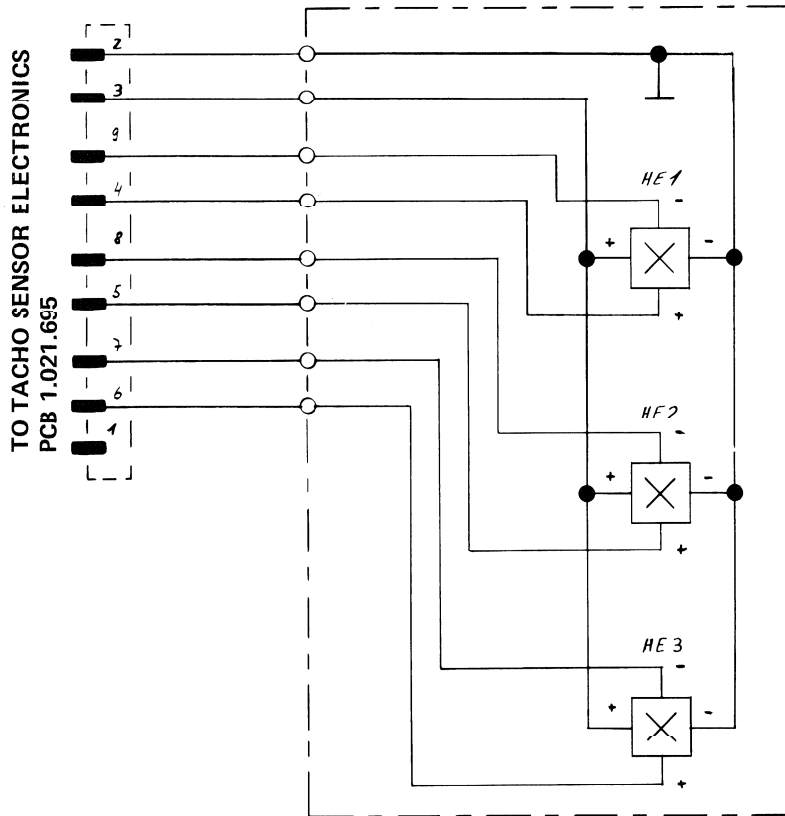
* Cadierung: Schalldraht 64.01.01C8 φ 0,8 x 8 mm
 (muss 1mm vorstehen)

STUDER REGENSDORF ZÜRICH	Bezeichnung TACHO SENSOR EL. BOARD ESE	Zeichnungs- Anmerkung
	Datum 5. 11. 94	Gez. Gepr. Gez. Index
	Kopie für	
Teilnummer 1.021.695-85		

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.34.4101	100 pF	5%, W750, CE	
C....2	59.34.5561	560 pF	5%, 63V, CE	
C....3	59.34.4151	150 pF	5%, W750, CE	
C....4	59.06.0102	1 nF	10%, 63V, PETP	
C....5	59.06.0223	22 nF	10%, 63V, PETP	
C....6	59.06.0223	22 nF	10%, 63V, PETP	
C....7	59.26.2100	10 uF	20%, 16V, EL	
C....8	59.06.0473	47 nF	10%, 63V, PETP	
C....9	59.06.0105	1 uF	10%, 63V, PETP	
C....10	59.26.2109	1 uF	20%, 40V, EL	
C....11	59.26.2100	10 uF	20%, 16V, EL	
C....12	59.06.0683	68 nF	10%, 63V, PETP	
C....13	59.06.0102	1 nF	10%, 63V, PETP	
C....14	59.06.0223	22 nF	10%, 63V, PETP	
C....15	59.06.0223	22 nF	10%, 63V, PETP	
C....16	59.26.2100	10 uF	20%, 16V, EL	
C....17	59.06.0473	47 nF	10%, 63V, PETP	
C....18	59.06.0105	1 uF	10%, 63V, PETP	
C....19	59.26.2109	1 uF	20%, 40V, EL	
C....20	59.26.2100	10 uF	20%, 16V, EL	
C....21	59.06.0683	68 nF	10%, 63V, PETP	
C....22	59.06.0222	2.2 nF	10%, 63V, PETP	
C....23	59.06.0222	2.2 nF	10%, 63V, PETP	
C....24	59.06.0222	2.2 nF	10%, 63V, PETP	
C....25	59.26.1220	22 uF	20%, 10V, EL	
C....26	59.26.1220	22 uF	20%, 10V, EL	
C....27	59.06.0683	68 nF	10%, 63V, PETP	
C....28	59.26.2100	10 uF	20%, 16V, EL	
C....29	59.06.0683	68 nF	10%, 63V, PETP	
C....30	59.26.1479	4.7 uF	10%, 10V, EL	
C....31	59.06.0104	100 nF	10%, 63V, PETP	
C....32	59.06.0683	68 nF	10%, 63V, PETP	
D....1	50.04.0125	IN 4448		Fc,ITT,Ph,Sie,Tf
D....2	50.04.0125	IN 4448		Fc,ITT,Ph,Sie,Tf
D....3	50.04.0122	IN 4001	(to 4004)	Not
IC....1	50.15.0114	UA9637ACP		Fc,TI
IC....2	50.09.0101	LF 353 M	TL 072 CP	NS,TI
IC....3	50.05.0283	LM 393 N	LM 393 P	NS,TI
IC....4	50.05.0283	LM 393 N	LM 393 P	NS,TI
IC....5	50.09.0101	LF 353 M	TL 072 CP	NS,TI
IC....6	50.11.0151	TBA 1200		Ph,Sie
IC....7	50.11.0151	TBA 1200		Ph,Sie
L....1	1.022.222.00	16 mH	HF-COIL	St
F....1	54.01.0288		see Note 2	
F....2	54.01.0217		see Note 3	
F....3	54.01.0207		see Note 4	
F....3	54.01.0241		see Note 4	
C....1	50.03.0514	BF 366		Not
R....1	57.11.3103	10 kOhm	5%	
R....2	57.11.3103	10 kOhm	5%	
R....3	57.11.3102	1 kOhm	5%	
R....4	57.11.3121	120 Ohm	5%	
R....5	57.11.3121	120 Ohm	5%	
R....6	00.00.0000			not used
R....7	57.11.3223	22 kOhm	5%	
R....8	57.11.3333	33 kOhm	5%	
R....9	57.11.3152	1.5 kOhm	5%	
R....10	57.11.3103	10 kOhm	5%	
R....11	57.11.3103	10 kOhm	5%	
R....12	57.11.3103	10 kOhm	5%	
R....13	57.11.3103	10 kOhm	5%	
R....14	57.11.3105	1 MOhm	5%	
R....15	57.11.3103	10 kOhm	5%	
R....16	57.11.3562	5.6 kOhm	5%	
R....17	57.11.3103	10 kOhm	5%	
R....18	57.11.3103	10 kOhm	5%	
R....19	57.11.3121	120 Ohm	5%	
R....20	00.00.0000			not used
R....21	57.11.3223	22 kOhm	5%	
R....22	57.11.3333	33 kOhm	5%	
R....23	57.11.3152	1.5 kOhm	5%	
R....24	57.11.3103	10 kOhm	5%	
R....25	57.11.3103	10 kOhm	5%	
R....26	57.11.3103	10 kOhm	5%	
R....27	57.11.3103	10 kOhm	5%	
R....28	57.11.3103	10 kOhm	5%	
R....29	57.11.3562	5.6 kOhm	5%	
R....30	57.11.3103	10 kOhm	5%	
R....31	57.11.3103	10 kOhm	5%	
R....32	57.11.3472	4.7 kOhm	5%	
R....33	57.11.3472	4.7 kOhm	5%	
R....34	57.11.3472	4.7 kOhm	5%	
R....35	57.11.3101	100 Ohm	5%	
R....36	57.11.3105	1 MOhm	5%	
R....37	57.11.3681	680 Ohm	5%	
R....38	57.11.3681	680 Ohm	5%	
R....39	57.11.3822	8.2 kOhm	5%	
R....40	57.11.3822	8.2 kOhm	5%	
F....41	58.05.0501	500 Ohm	10%	see Note 1
T....1	1.022.230.00			Diskriminator X-former
T....2	1.022.230.00			Diskriminator X-former
TP....1	29.21.6002			Testpoint

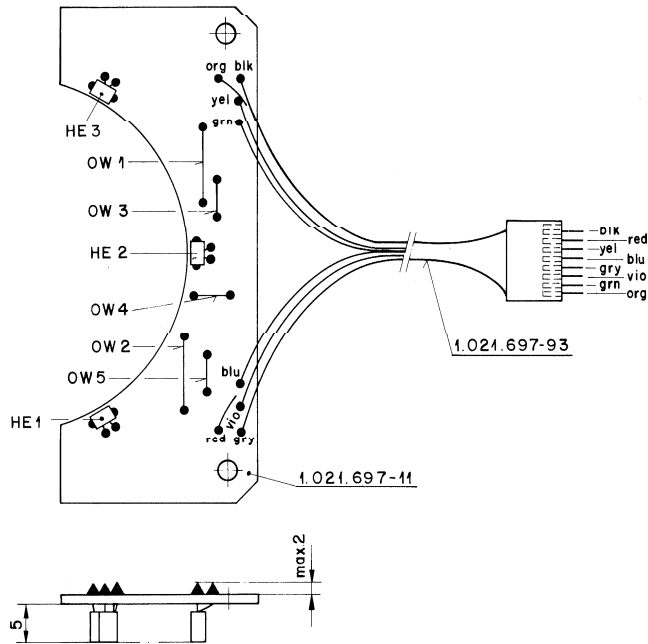
Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
TP....2	29.21.6002			Testpoint
TP....3	29.21.6002			Testpoint
TP....4	29.21.6002			Testpoint
Note 1: Pot: Bourms, Nr.: 3296 Z-1-501 Spectrol, Nr.: 64 2 501 T 000 Murata, Nr.: Pot 3105 Z-1-501				
Note 2: Plug: 5-Pin AMP, NR.: --163.680-3				
Note 3: Plug: 9-Pin AMP, Nr.: --163.680-7				
Note 4: Plug: 3-Pin AMP, Nr.: --163.680-1				
CE=Ceramic, EL=Electrolytic, PETP=Polyester Film				
MANUFACTURER: Fc=Fairchild, GI=General Instruments, ITT=Intermetall, M=Motorola, NS=National Semiconductors, Ph=Philips, Si=Siemens, St=Studer, TI=Texas Instruments				
1.021.695.85 TACHO SENS. EL. BOARD ZAN91/11/0500				
END				

HALL SENSOR PCB 1.021.697.00



① 03.1284 BUR	○ ..	○ ..	○ ..	○ ..
	A 820 Tape Transport Section			PAGE 1 OF 1
STUDER	Hall Sensor PCB		SC 1.021.697.00	

HALL SENSOR PCB 1.021.697.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(01)	HE....1	1.010.050.50		IC 50.99.0170 GEBOGEN	
(01)	HE....2	1.010.050.50		IC 50.99.0170 GEBOGEN	
(01)	HE....3	1.010.050.50		IC 50.99.0170 GEBOGEN	
	OW....1	1.010.324.64	10.2 mm	Wire bridge	
	OW....2	1.010.324.64	10.2 mm	Wire bridge	
	OW....3	1.010.321.64	5.0 mm	Wire bridge	
	OW....4	1.010.321.64	5.0 mm	Wire bridge	
	OW....5	1.010.321.64	5.0 mm	Wire bridge	

(01) 09.03.87 SERIE ADJUST

ORIG 87/03/09

STUDER (01) 87/03/09 CHS HALL SENSOR BOARD

PL 1.021.697.00 PAGE 1

3 Master Electronics

■ = Electrostatically sensitive assembly

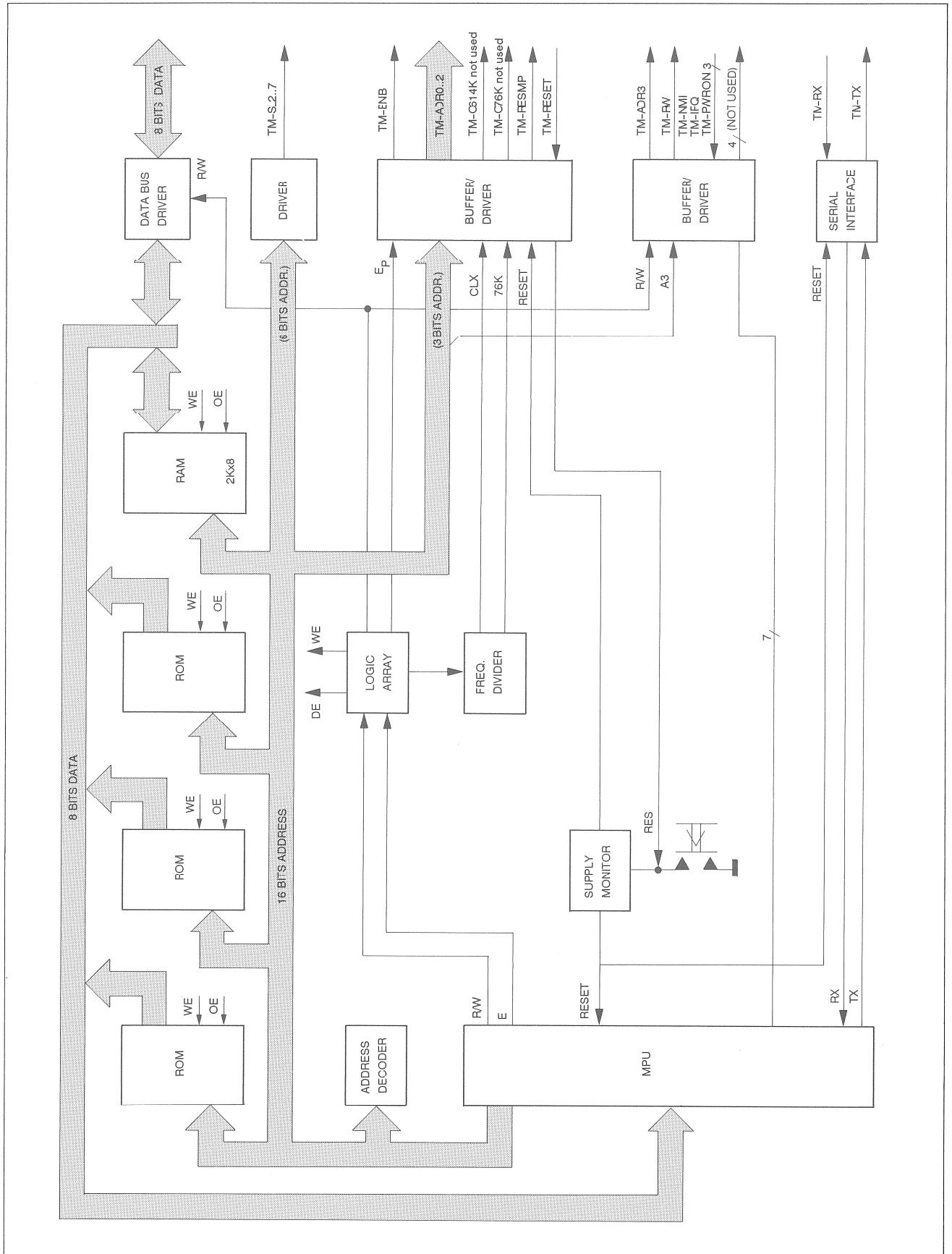
Contents		ASY-GRP-ELM	Page
MP Unit Master MCH	1.827.784.25 ■	1-20-49	3
Master Serial Interface PCB	1.820.753.81 ■	1-20-48	7
Master Serial Interface PCB	1.820.753.82 ■		9
Master To Audio Interface PCB	1.820.756.00 ■	1-20-51	11
Serial Remote Interface	1.810.751.82	1-20-51	15
SMPTE/EBU Bus Interface PCB (Option)	1.820.751.21 ■	1-20-50	19
Parallel Remote Interface	1.820.738.82 ■	1-27	23
Parallel Remote Interface	1.820.738.83 ■		25
Parallel Remote Interface	1.820.738.84 ■		27
Parallel Remote Interface	1.820.738.85 ■		29
Serial Remote Interface PCB (Option)	1.820.729.25 ■	1-26	33
Tape Deck Display Driver PCB	1.827.768.00 ■	1-50	37
Tape Deck Display Driver PCB	1.827.768.81 ■		39
Push Button Assembly	1.827.240.00	1-48	41
Tape Deck Push Button PCB	1.820.769.00	1-50-2	43
Tape Deck Indicator PCB (part of 1.827.240)	1.820.766.00	1-50-2	45
Display Connection Board	1.820.233.83	1-52	47
Display Connection Board	1.820.239.81 ■	1-52	49
Push Button Display Board	1.827.750.00 ■	1-51	51
Remote Control Connector Board	1.827.850.00	1-24	53
Timer Control Board (Option)	1.820.861.00	1-28	55

Contents of Diagrams in Numerical Order

■ = Electrostatically sensitive assembly

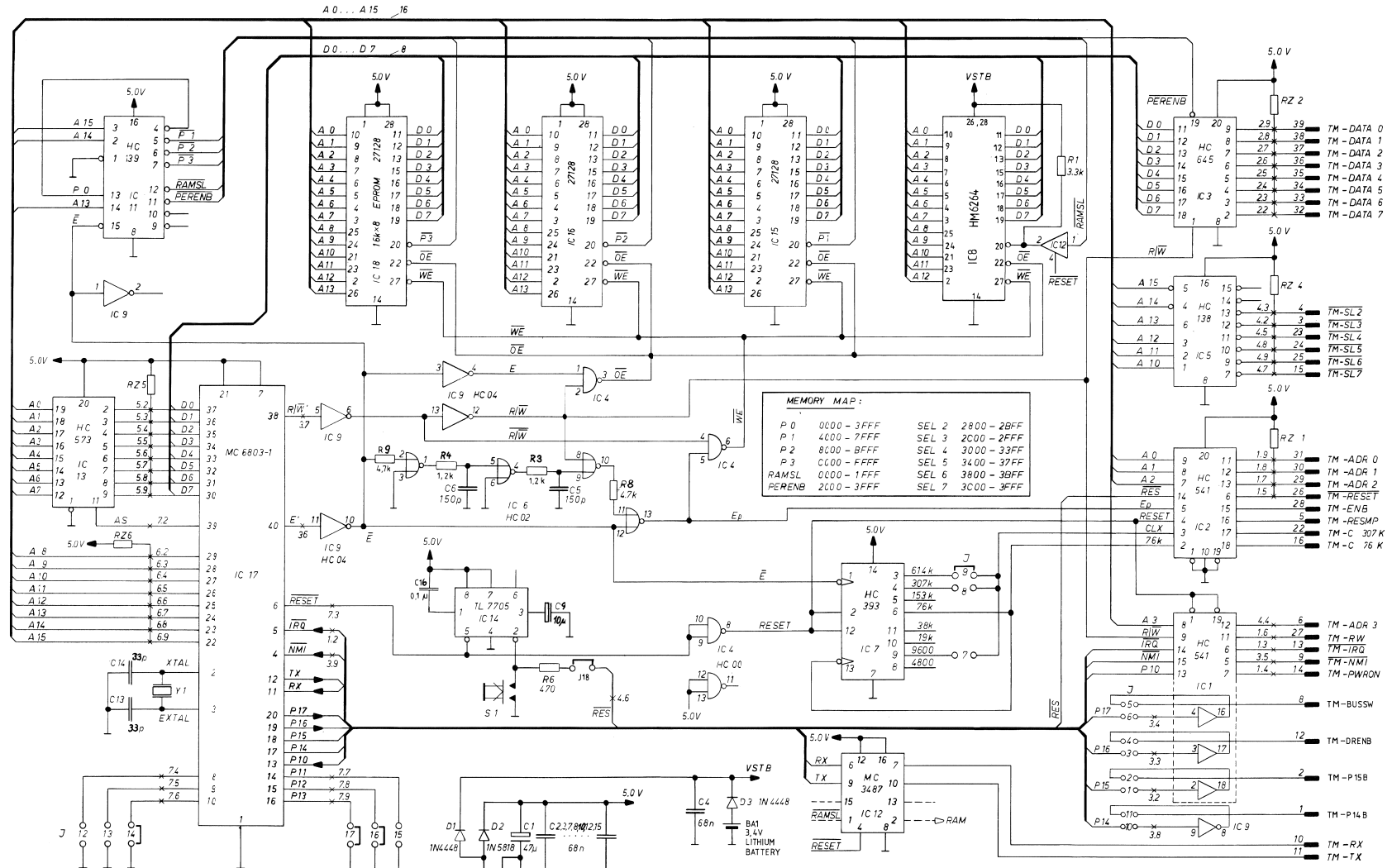
Contents	ASY-GRP-ELM	Page
1.810.751.82	Serial Remote Interface	1-20-51 15
1.820.233.83	Display Connection Board	1-52 47
1.820.239.81 ■	Display Connection Board	1-52 49
1.820.729.25 ■	Serial Remote Interface PCB (Option)	1-26 33
1.820.738.82 ■	Parallel Remote Interface	1-27 23
1.820.738.83 ■	Parallel Remote Interface	25
1.820.738.84 ■	Parallel Remote Interface	27
1.820.738.85 ■	Parallel Remote Interface	29
1.820.751.21 ■	SMPTE/EBU Bus Interface PCB (Option)	1-20-50 19
1.820.753.81 ■	Master Serial Interface PCB	1-20-48 7
1.820.753.82 ■	Master Serial Interface PCB	9
1.820.756.00 ■	Master To Audio Interface PCB	1-20-51 11
1.820.766.00	Tape Deck Indicator PCB (part of 1.827.240)	1-50-2 45
1.820.769.00	Tape Deck Push Button PCB	1-50-2 43
1.820.861.00	Timer Control Board (Option)	1-28 55
1.827.240.00	Push Button Assembly	1-48 41
1.827.750.00 ■	Push Button Display Board	1-51 51
1.827.768.00 ■	Tape Deck Display Driver PCB	1-50 37
1.827.768.81 ■	Tape Deck Display Driver PCB	39
1.827.764.25 ■	MP Unit Master MCH	1-20-49 3
1.827.850.00	Remote Control Connector Board	1-24 53

BLOCK DIAGRAM
MP UNIT MASTER CONTROL 1.827.784



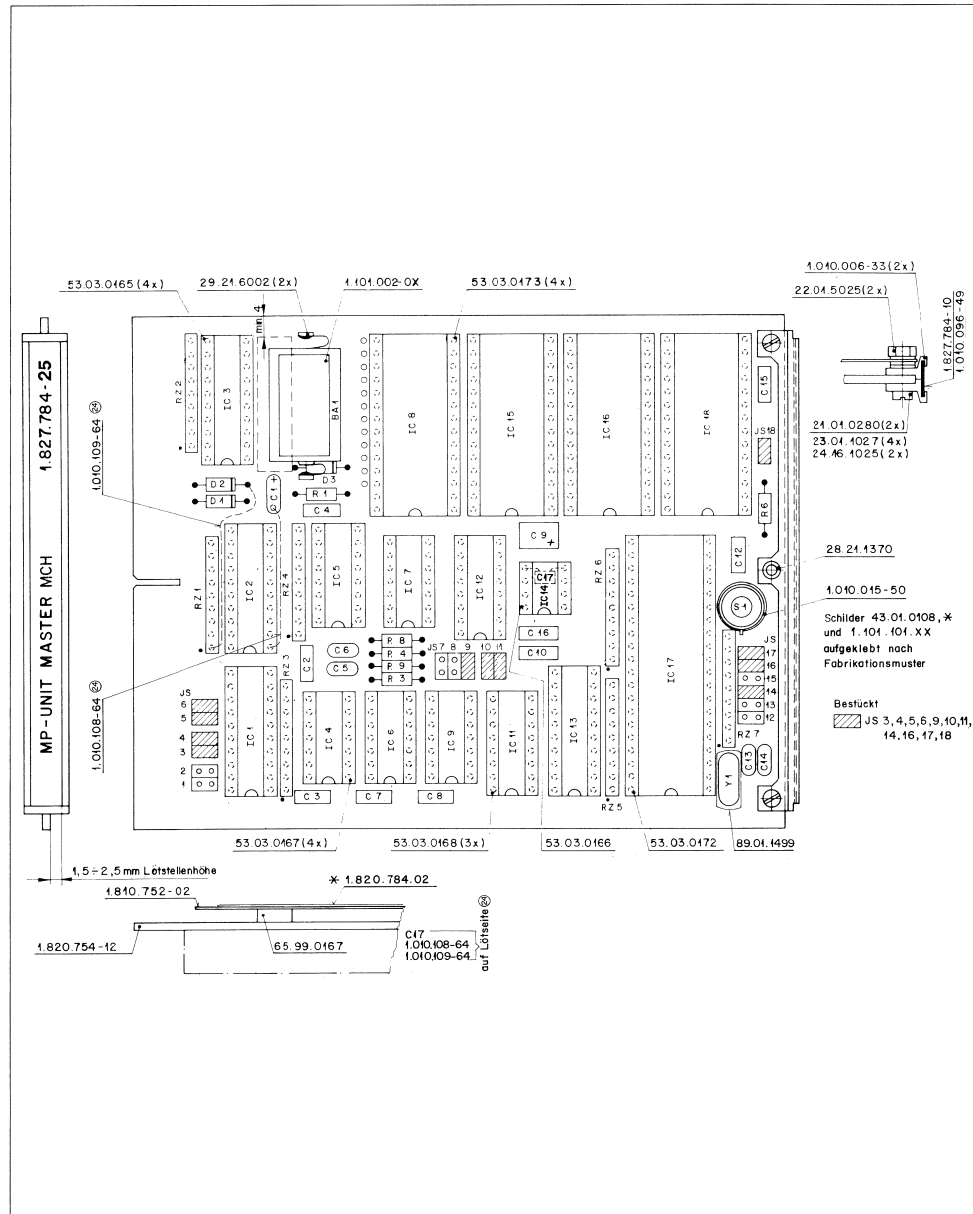


MP UNIT MASTER MCH 1.827.784.25



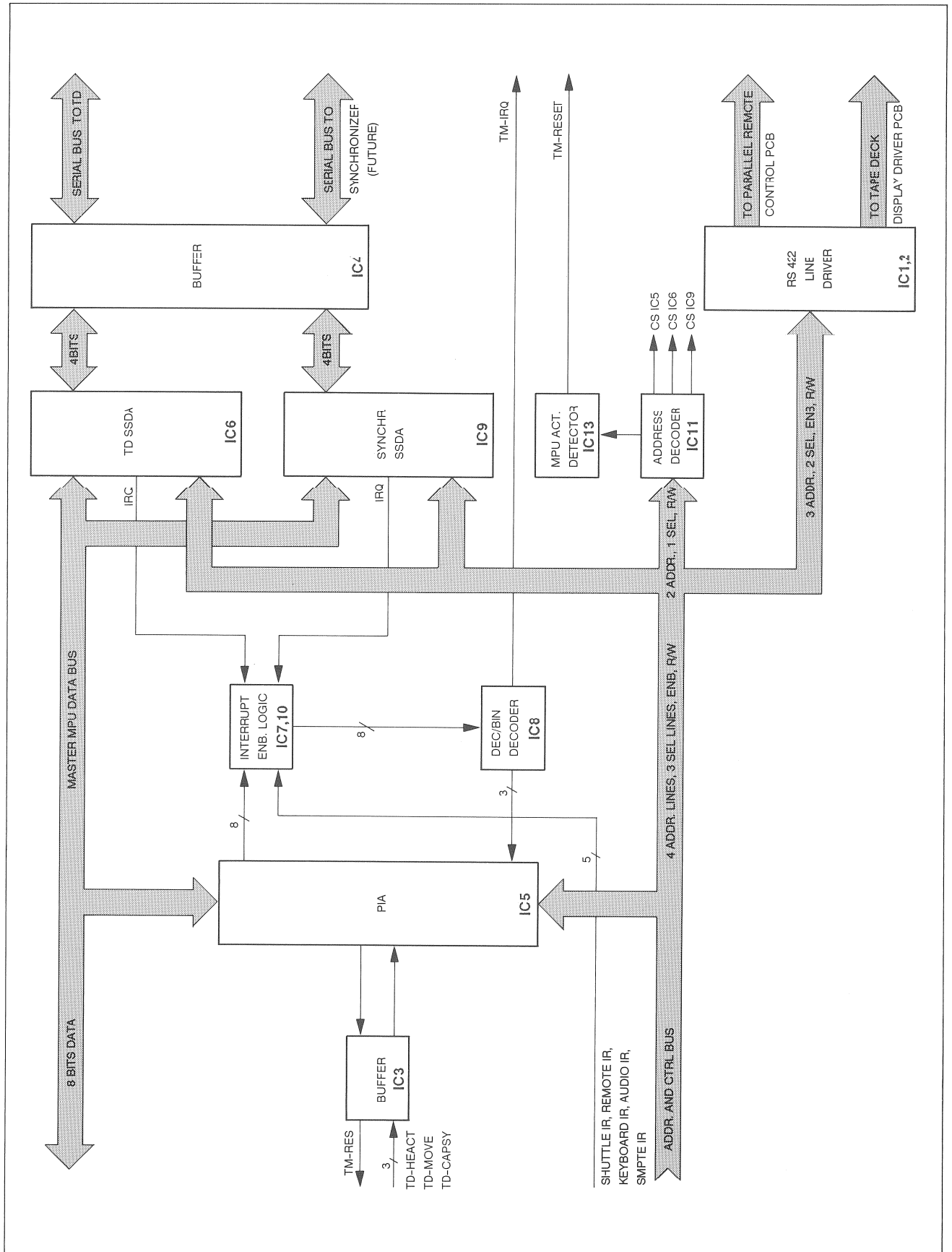
31.10.86	A 827 Logic Section	PAGE 1 OF 1
STUDER	MP UNIT MASTER MCH	ESE|SC 1.827.784.25 & up

MP UNIT MASTER MCH 1.827.784.25



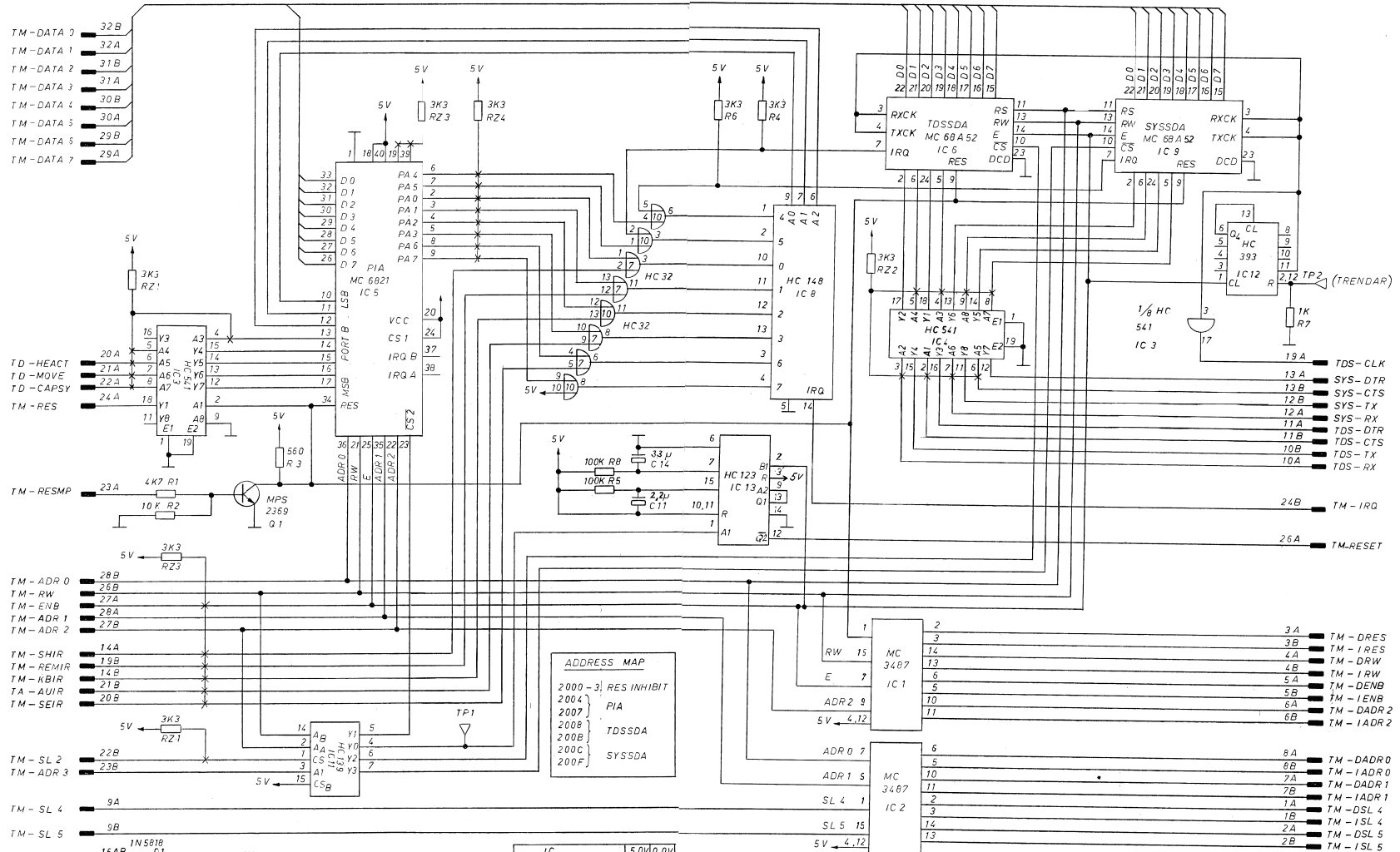
Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER
MA	...	1	89.01.0275	Batt, Lith., 3.6V, D 14.7*25.5
C	...	1	59.26.0470	47 uF 20%, 6.3V, Sa1
C	...	2	59.06.0683	68 nF 10%, 63V, PETP
C	...	3	59.06.0683	68 nF 10%, 63V, PETP
C	...	4	59.06.0683	68 nF 10%, 63V, PETP
C	...	5	59.34.7151	150 pF 2%, Ce
C	...	6	59.34.7151	150 pF 2%, Ce
C	...	7	59.06.0683	68 nF 10%, 63V, PETP
C	...	8	59.06.0683	68 nF 10%, 63V, PETP
C	...	9	59.26.2100	10 nF 20%, 16V, Sa1
C	...	10	59.06.0683	68 nF 10%, 63V, PETP
C	...	11	00.00.0000	not used
C	...	12	59.06.0683	68 nF 10%, 63V, PETP
C	...	13	59.34.2330	33 pF 5%, Ce
C	...	14	59.34.2330	33 pF 5%, Ce
C	...	15	59.06.0683	68 nF 10%, 63V, PETP
C	...	16	59.06.0104	100 nF 10%, 63V, PETP
C	...	17	59.06.0222	2.2 nF 10%, 63V, PETP
R	...	1	50.04.0125	1M 4448
R	...	2	50.04.0512	1M 5818
R	...	3	50.04.0125	1M 4448
IC	...	1	50.17.1541	74 HC 541
IC	...	2	50.17.1541	74 HC 541
IC	...	3	50.17.1645	74 HC 645
IC	...	4	50.17.1000	74 HC 00
IC	...	5	50.17.1132	74 HC 132
IC	...	6	50.17.1138	74 HC 138
IC	...	7	50.17.1000	74 HC 00
IC	...	8	50.17.1393	74 HC 393
IC	...	9	50.14.0133	HM264P-15
IC	...	10	50.17.0004	74 HCT 04
IC	...	11	50.17.1139	74 HC 139
IC	...	12	50.15.0105	MC 3487 P
IC	...	13	50.17.1573	74 HC 573
IC	...	14	50.11.0122	TL7705ACP
IC	...	15	50.11.0157	TL7705BCP
IC	...	16	50.14.0125	27128
IC	...	17	50.17.1139	74 HC 139
IC	...	18	50.15.0105	MC 3487 P
IC	...	19	50.17.1573	74 HC 573
IC	...	20	50.11.0122	TL7705ACP
IC	...	21	50.11.0157	TL7705BCP
IC	...	22	50.14.0125	27128
IC	...	23	50.17.1139	74 HC 139
IC	...	24	50.15.0105	MC 3487 P
IC	...	25	50.17.1573	74 HC 573
IC	...	26	50.11.0122	TL7705ACP
IC	...	27	50.11.0157	TL7705BCP
IC	...	28	50.14.0125	27128
IC	...	29	50.17.1139	74 HC 139
IC	...	30	50.15.0105	MC 3487 P
IC	...	31	50.17.1573	74 HC 573
IC	...	32	50.11.0122	TL7705ACP
IC	...	33	50.11.0157	TL7705BCP
IC	...	34	50.14.0125	27128
IC	...	35	50.17.1139	74 HC 139
IC	...	36	50.15.0105	MC 3487 P
IC	...	37	50.17.1573	74 HC 573
IC	...	38	50.11.0122	TL7705ACP
IC	...	39	50.11.0157	TL7705BCP
IC	...	40	50.14.0125	27128
IC	...	41	50.17.1139	74 HC 139
IC	...	42	50.15.0105	MC 3487 P
IC	...	43	50.17.1573	74 HC 573
IC	...	44	50.11.0122	TL7705ACP
IC	...	45	50.11.0157	TL7705BCP
IC	...	46	50.14.0125	27128
IC	...	47	50.17.1139	74 HC 139
IC	...	48	50.15.0105	MC 3487 P
IC	...	49	50.17.1573	74 HC 573
IC	...	50	50.11.0122	TL7705ACP
IC	...	51	50.11.0157	TL7705BCP
IC	...	52	50.14.0125	27128
IC	...	53	50.17.1139	74 HC 139
IC	...	54	50.15.0105	MC 3487 P
IC	...	55	50.17.1573	74 HC 573
IC	...	56	50.11.0122	TL7705ACP
IC	...	57	50.11.0157	TL7705BCP
IC	...	58	50.14.0125	27128
IC	...	59	50.17.1139	74 HC 139
IC	...	60	50.15.0105	MC 3487 P
IC	...	61	50.17.1573	74 HC 573
IC	...	62	50.11.0122	TL7705ACP
IC	...	63	50.11.0157	TL7705BCP
IC	...	64	50.14.0125	27128
IC	...	65	50.17.1139	74 HC 139
IC	...	66	50.15.0105	MC 3487 P
IC	...	67	50.17.1573	74 HC 573
IC	...	68	50.11.0122	TL7705ACP
IC	...	69	50.11.0157	TL7705BCP
IC	...	70	50.14.0125	27128
IC	...	71	50.17.1139	74 HC 139
IC	...	72	50.15.0105	MC 3487 P
IC	...	73	50.17.1573	74 HC 573
IC	...	74	50.11.0122	TL7705ACP
IC	...	75	50.11.0157	TL7705BCP
IC	...	76	50.14.0125	27128
IC	...	77	50.17.1139	74 HC 139
IC	...	78	50.15.0105	MC 3487 P
IC	...	79	50.17.1573	74 HC 573
IC	...	80	50.11.0122	TL7705ACP
IC	...	81	50.11.0157	TL7705BCP
IC	...	82	50.14.0125	27128
IC	...	83	50.17.1139	74 HC 139
IC	...	84	50.15.0105	MC 3487 P
IC	...	85	50.17.1573	74 HC 573
IC	...	86	50.11.0122	TL7705ACP
IC	...	87	50.11.0157	TL7705BCP
IC	...	88	50.14.0125	27128
IC	...	89	50.17.1139	74 HC 139
IC	...	90	50.15.0105	MC 3487 P
IC	...	91	50.17.1573	74 HC 573
IC	...	92	50.11.0122	TL7705ACP
IC	...	93	50.11.0157	TL7705BCP
IC	...	94	50.14.0125	27128
IC	...	95	50.17.1139	74 HC 139
IC	...	96	50.15.0105	MC 3487 P
IC	...	97	50.17.1573	74 HC 573
IC	...	98	50.11.0122	TL7705ACP
IC	...	99	50.11.0157	TL7705BCP
IC	...	100	50.14.0125	27128
IC	...	101	50.17.1139	74 HC 139
IC	...	102	50.15.0105	MC 3487 P
IC	...	103	50.17.1573	74 HC 573
IC	...	104	50.11.0122	TL7705ACP
IC	...	105	50.11.0157	TL7705BCP
IC	...	106	50.14.0125	27128
IC	...	107	50.17.1139	74 HC 139
IC	...	108	50.15.0105	MC 3487 P
IC	...	109	50.17.1573	74 HC 573
IC	...	110	50.11.0122	TL7705ACP
IC	...	111	50.11.0157	TL7705BCP
IC	...	112	50.14.0125	27128
IC	...	113	50.17.1139	74 HC 139
IC	...	114	50.15.0105	MC 3487 P
IC	...	115	50.17.1573	74 HC 573
IC	...	116	50.11.0122	TL7705ACP
IC	...	117	50.11.0157	TL7705BCP
IC	...	118	50.14.0125	27128
IC	...	119	50.17.1139	74 HC 139
IC	...	120	50.15.0105	MC 3487 P
IC	...	121	50.17.1573	74 HC 573
IC	...	122	50.11.0122	TL7705ACP
IC	...	123	50.11.0157	TL7705BCP
IC	...	124	50.14.0125	27128
IC	...	125	50.17.1139	74 HC 139
IC	...	126	50.15.0105	MC 3487 P
IC	...	127	50.17.1573	74 HC 573
IC	...	128	50.11.0122	TL7705ACP
IC	...	129	50.11.0157	TL7705BCP
IC	...	130	50.14.0125	27128
IC	...	131	50.17.1139	74 HC 139
IC	...	132	50.15.0105	MC 3487 P
IC	...	133	50.17.1573	74 HC 573
IC	...	134	50.11.0122	TL7705ACP
IC	...	135	50.11.0157	TL7705BCP
IC	...	136	50.14.0125	27128
IC	...	137	50.17.1139	74 HC 139
IC	...	138	50.15.0105	MC 3487 P
IC	...	139	50.17.1573	74 HC 573
IC	...	140	50.11.0122	TL7705ACP
IC	...	141	50.11.0157	TL7705BCP
IC	...	142	50.14.0125	27128
IC	...	143	50.17.1139	74 HC 139
IC	...	144	50.15.0105	MC 3487 P
IC	...	145	50.17.1573	74 HC 573
IC	...	146	50.11.0122	TL7705ACP
IC	...	147	50.11.0157	TL7705BCP
IC	...	148	50.14.0125	27128
IC	...	149	50.17.1139	74 HC 139
IC	...	150	50.15.0105	MC 3487 P
IC	...	151	50.17.1573	74 HC 573
IC	...	152	50.11.0122	TL7705ACP
IC	...	153	50.11.0157	TL7705BCP
IC	...	154	50.14.0125	27128
IC	...	155	50.17.1139	74 HC 139
IC	...	156	50.15.0105	MC 3487 P
IC	...	157	50.17.1573	74 HC 573
IC	...	158	50.11.0122	TL7705ACP
IC	...	159	50.11.0157	TL7705BCP
IC	...	160	50.14.0125	27128
IC	...	161	50.17.1139	74 HC 139
IC	...	162	50.15.0105	MC 3487 P
IC	...	163	50.17.1573	74 HC 573
IC	...	164	50.11.0122	TL7705ACP
IC	...	165	50.11.0157	TL7705BCP
IC	...	166	50.14.0125	27128
IC	...	167	50.17.1139	74 HC 139
IC	...	168	50.15.0105	MC 3487 P
IC	...	169	50.17.1573	74 HC 573
IC	...	170	50.11.0122	TL7705ACP
IC	...	171	50.11.0157	TL7705BCP
IC	...	172	50.14.0125	27128
IC	...	173	50.17.1139	74 HC 139
IC	...	174	50.15.0105	MC 3487 P
IC	...	175	50.17.1573	74 HC 573
IC	...	176	50.11.0122	TL7705ACP
IC	...	177	50.11.0157	TL7705BCP
IC	...	178	50.14.0125	27128
IC	...	179	50.17.1139	74 HC 139
IC	...	180	50.15.0105	MC 3487 P
IC	...	181	50.17.1573	74 HC 573
IC	...	182	50.11.0122	TL7705ACP
IC	...	183	50.11.0157	TL7705BCP
IC	...	184	50.14.0125	27128
IC	...	185	50.17.1139	74 HC 139
IC	...	186	50.15.0105	MC 3487 P
IC	...	187	50.17.1573	

BLOCK DIAGRAM
MASTER SERIAL INTERFACE 1.820.753



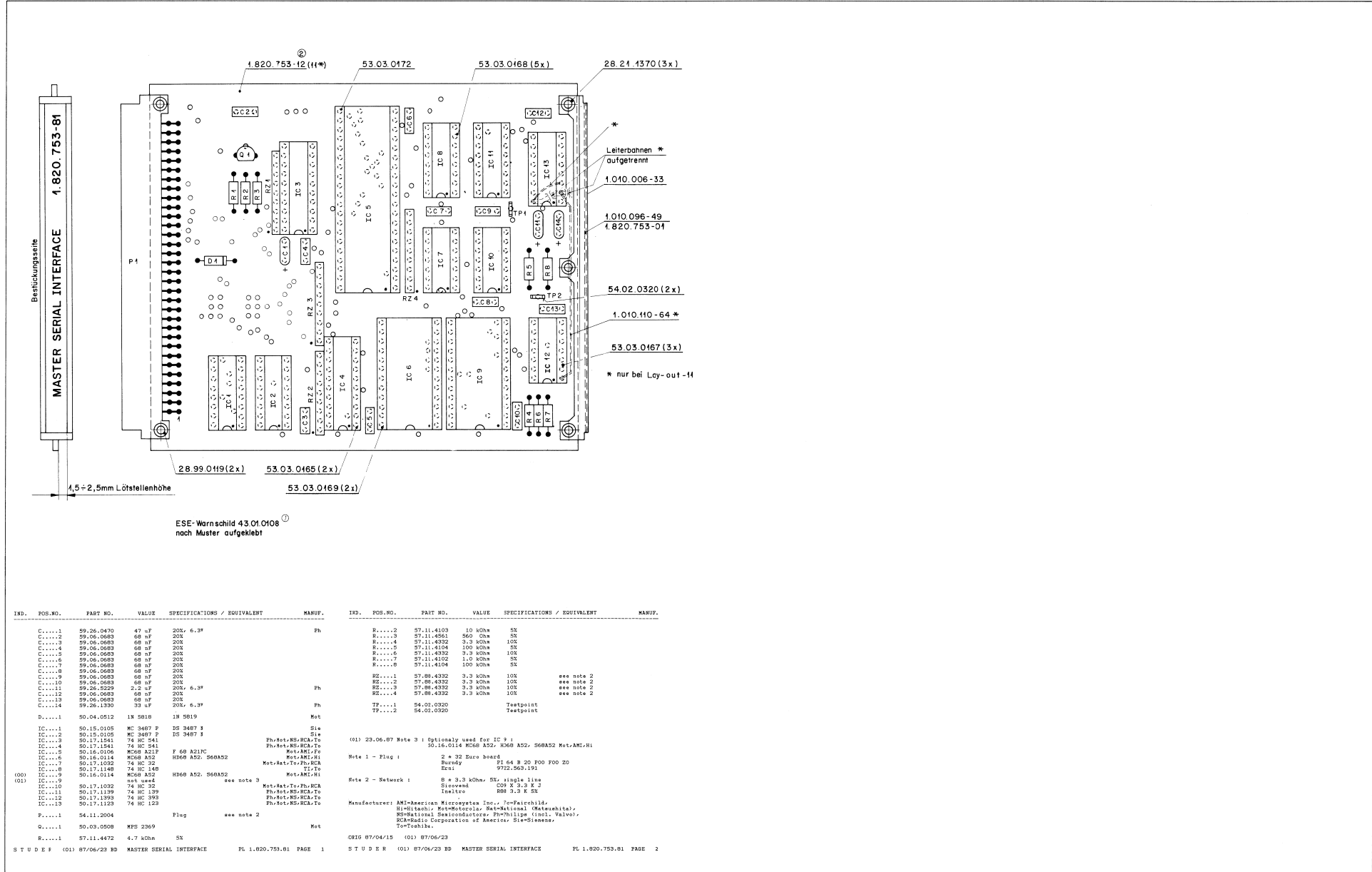


MASTER SERIAL INTERFACE 1.820.753.81





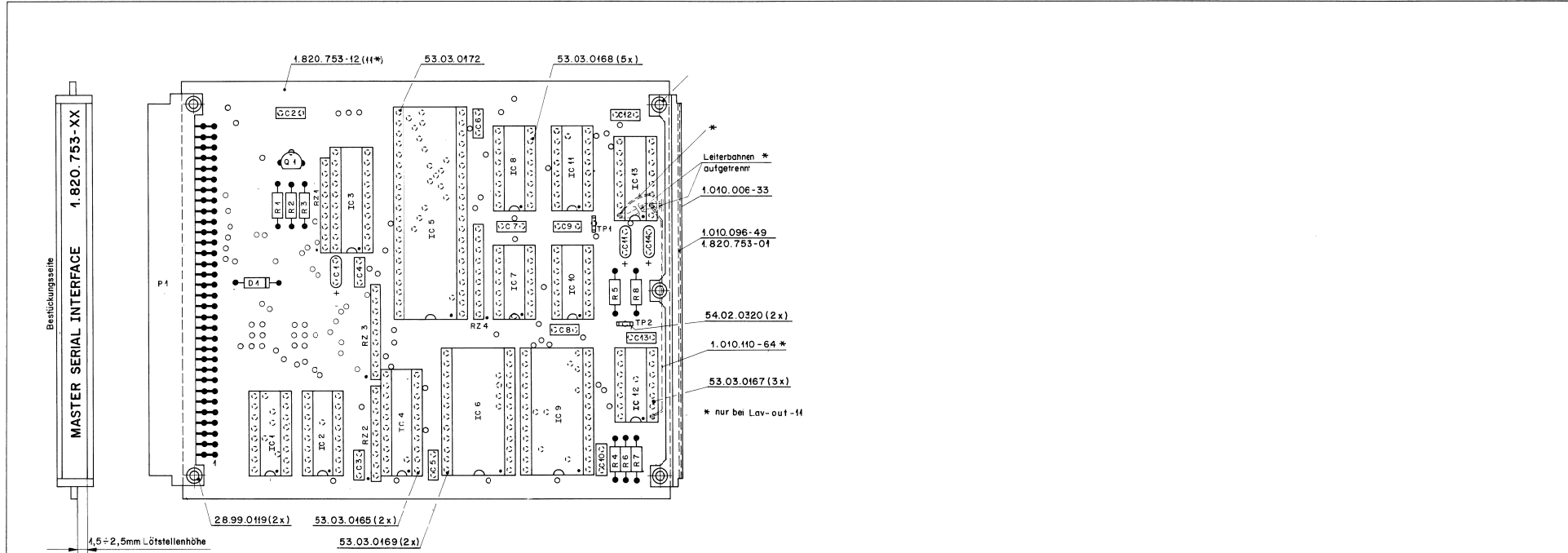
MASTER SERIAL INTERFACE 1.820.753.81



IND.	POS.NG.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NG.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.06.0470	47 nF	20%	6.3V	FN	R.....2	57.11.4103	10 kOhm	5X		
C.....2	59.06.0683	68 nF	20%			R.....3	57.11.4961	560 Ohm	5X		
C.....3	59.06.0685	68 nF	20%			R.....4	57.11.4932	3.3 kOhm	10X		
C.....4	59.06.0683	68 nF	20%			R.....5	57.11.4104	100 kOhm	5X		
C.....5	59.06.0685	68 nF	20%			R.....6	57.11.4932	3.3 kOhm	10X		
C.....6	59.06.0683	68 nF	20%			R.....7	57.11.4102	1.0 kOhm	5X		
C.....7	59.06.0685	68 nF	20%			R.....8	57.11.4104	100 kOhm	5X		
C.....8	59.06.0683	68 nF	20%			R2.....1	57.08.4332	3.3 kOhm	10X	see note 2	
C.....9	59.06.0683	68 nF	20%			R2.....2	57.08.4332	3.3 kOhm	10X	see note 2	
C.....10	59.06.0683	68 nF	20%			R2.....3	57.08.4332	3.3 kOhm	10X	see note 2	
C.....11	59.06.0229	2.2 uF	20%	6.3V	FN	R2.....4	57.08.4332	3.3 kOhm	10X	see note 2	
C.....12	59.06.0683	68 nF	20%			TP.....1	54.02.0320			Testpoint	
C.....13	59.06.0683	68 nF	20%			TP.....2	54.02.0320			Testpoint	
C.....14	59.06.1330	75 nF	20%	6.3V	FN						
D.....1	50.04.0512	1N 5818	1N	5019	Met						
IC.....1	50.15.0105	MC 3487 F	DS	3487 F	Sie						
IC.....2	50.15.0105	MC 3487 F	DS	3487 F	Sie						
IC.....3	50.17.1541	74 HC 041			Ph:Rot;RS;RCA;To	(01) 23.06.87	Note 3 : optionally used for IC 9 :				
IC.....4	50.17.1541	74 HC 041			Ph:Rot;RS;RCA;To		50.16.0114	MC68 AS2; H068 AS2; S68AS2	Met;AMI;Hi		
IC.....5	50.16.0106	MC68 AS12	F 68	A217C	Met;AMI;Hi	Note 1 - Plug :					
IC.....6	50.16.0114	MC68 AS2	H068	AS2; S68AS2	Met;AMI;Hi						
IC.....7	50.17.1032	74 HC 02			Met;Rot;To;Ph;RCA						
IC.....8	50.17.1148	74 HC 148			TI;To						
(00) IC.....9	50.16.0114	MC68 AS2	H068	AS2; S68AS2	Met;AMI;Hi						
(01) IC.....9	50.17.1032	not used			see note 3	Note 2 - Network :					
IC.....10	50.17.1032	74 HC 02			Met;Rot;To;Ph;RCA						
IC.....11	50.17.1139	74 HC 139			Ph;Rot;RS;RCA;To						
IC.....12	50.17.1393	74 HC 1393			Ph;Rot;RS;RCA;To						
IC.....13	50.17.1123	74 HC 123			Ph;Rot;RS;RCA;To						
F.....1	54.11.2004	Flag			see note 2						
G.....1	50.03.0508	MPS 2369			Met						
R.....1	57.11.4472	4.7 kOhm	5X								



MASTER SERIAL INTERFACE 1.820.753.82



ESE-Warnschild 43.01.0108
nach Muster aufgeklebt

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C	1	59.06.0470	47 nF	20%, 6.3V	Ph	R	2	57.11.4103	10 kOhm	5%	
C	2	59.06.0683	68 nF	20%		R	3	57.11.4261	560 Ohm	5%	
C	3	59.06.0683	68 nF	20%		R	4	57.11.4352	3.3 kOhm	10%	
C	4	59.06.0683	68 nF	20%		R	5	57.11.4104	100 kOhm	5%	
C	5	59.06.0683	68 nF	20%		R	6	57.11.4352	3.3 kOhm	10%	
C	6	59.06.0683	68 nF	20%		R	7	57.11.4102	1.0 kOhm	5%	
C	7	59.06.0683	68 nF	20%		R	8	57.11.4104	100 kOhm	5%	
C	8	59.06.0683	68 nF	20%		RZ	1	57.88.4352	3.3 kOhm	10%	see note 2
C	9	59.06.0683	68 nF	20%		RZ	2	57.88.4352	3.3 kOhm	10%	see note 2
C	10	59.06.0683	68 nF	20%		RZ	3	57.88.4352	3.3 kOhm	10%	see note 2
C	11	59.20.1479	4.7 nF	20%, 6.3V	Ph	RZ	4	57.88.4352	3.3 kOhm	10%	see note 2
C	12	59.06.0683	68 nF	20%		TP	1	54.02.0320			Testpoint
C	13	59.06.0683	68 nF	20%		TP	2	54.02.0320			Testpoint
C	14	59.06.1350	53 nF	20%, 6.3V	Ph						
D	1	50.04.0512	1R 5818	1R 5819	Met						
IC	1	50.15.0105	MC 3487 P	DS 3487 M	Stk						
IC	2	50.15.0105	MC 3487 P	DS 3487 M	Stk						
IC	3	50.17.1561	74 HC 241		Ph, Met, RS, RCA, To						
IC	4	50.17.1561	74 HC 241		Ph, Met, RS, RCA, To						
IC	5	50.16.0106	MC68 A217	F 68 A2 PC	Met, AMI, To						
IC	6	50.16.0114	MC68 A32	HD68 A32, 568A52	Met, AMI, To						
IC	7	50.17.1032	74 HC 32		Met, Net, To, Ph, RCA						
IC	8	50.17.1149	74 HC 148		To						
IC	9	50.16.0114	MC68 A32	HD68 A32, 568A52	Met, AMI, To						
IC	10	50.17.1032	74 HC 32		Met, Net, To, Ph, RCA						
IC	11	50.17.1139	74 HC 139		Ph, Met, RS, RCA, To						
IC	12	50.17.1393	74 HC 393		Ph, Met, RS, RCA, To						
IC	13	50.17.1123	74 HC 123		Ph, SPS, RCA, To						
F	1	54.11.2004		Flug	see note 2						
Q	1	50.03.0508	MPS 2369		Met						
R	1	57.11.4472	4.7 kOhm	5%							

Manufacturers: AMI-American Microsystems Inc., FujiPhotoId, Hitachi, HitachiMicro, HitachiNational (Matsushita), NS-National Semiconductor, Philips (incl. Valvo), RCA-Radiola Corporation of America, SGS-SEMATEC, Siemense, To-Toshiba.

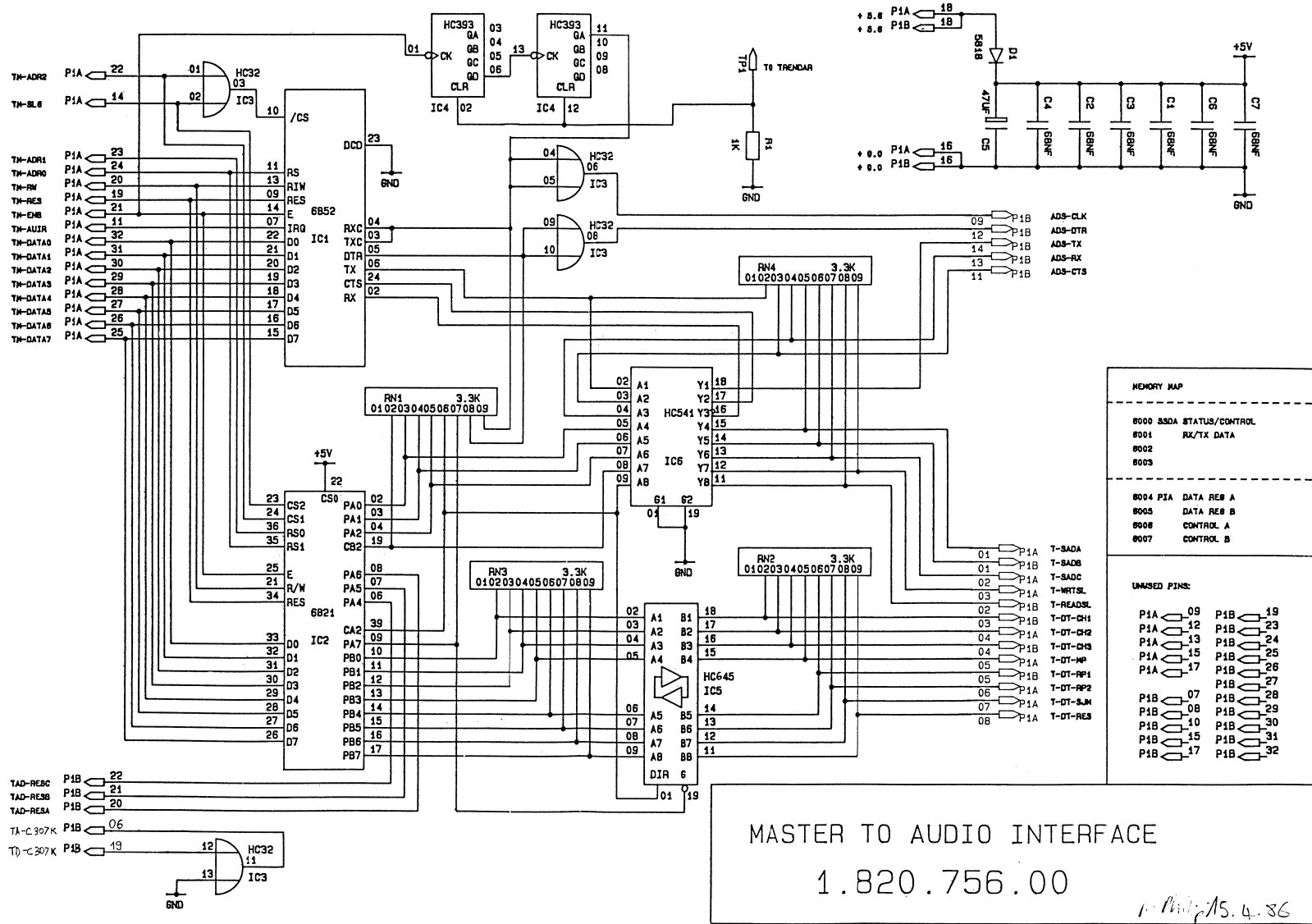
QIG 89/09/19

STUDER (00) 89/09/19 HRH MASTER SERIAL INTERFACE PL 1.820.753.82 PAGE 1

STUDER (00) 89/09/19 HRH MASTER SERIAL INTERFACE PL 1.820.753.82 PAGE 2

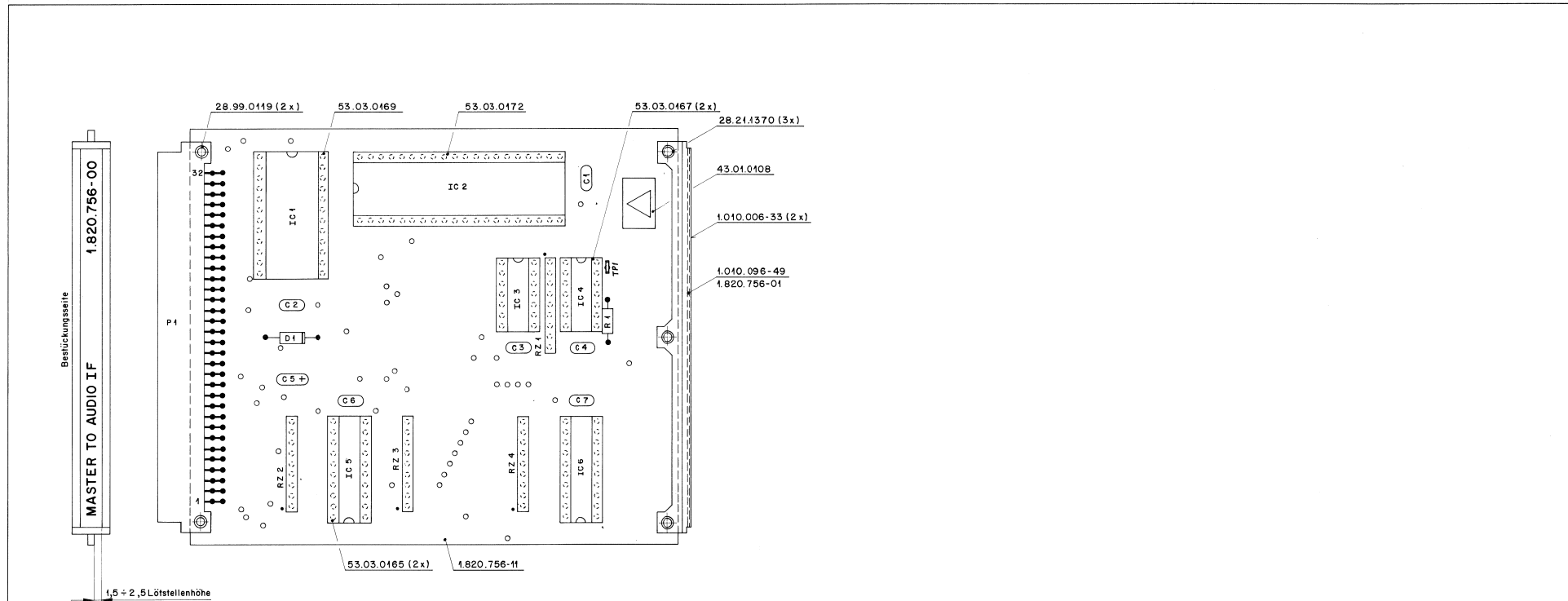


MASTER TO AUDIO INTERFACE 1.820.756.00





MASTER TO AUDIO INTERFACE 1.820.756.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
B...	0.2	51.02.0145	24 V	see note 1							
B...	0.3	51.02.0145	24 V	see note 1							
B...	0.4	51.02.0145	24 V	see note 1							
B...	0.5	51.02.0145	24 V	see note 1							
B...	0.6	51.02.0145	24 V	see note 1							
B...	0.7	51.02.0145	24 V	see note 1							
XB...	0.2	1.080.265.00		lamp holder	St						
XB...	0.3	1.080.265.00		lamp holder	St						
XB...	0.4	1.080.265.00		lamp holder	St						
XB...	0.5	1.080.265.00		lamp holder	St						
XB...	0.6	1.080.265.00		lamp holder	St						
XB...	0.7	1.080.265.00		lamp holder	St						

Note 1 - connector, 2 + 32 contacts:
 Emi nr. 9722-533-406
 Harting nr. 0902 150 6921
 Souriau nr. 8609.254.51.13.765.000 E1

Note 2 - Network 8 + 3.3 kOhm, 0.5% single line:
 Allen Bradley nr. 909 A 332
 Beckmann nr. L-09-1-R 3.3 k
 Bourne nr. 4609 A - 101 - 332
 Dale nr. CSC 09 A 01 - 332 G
 Spectra nr. 255 C J 332 02 10
 Tana nr. MKC C 09 X 3.3 kOhm G
 Vitron nr. P92 3.3 kOhm 2K

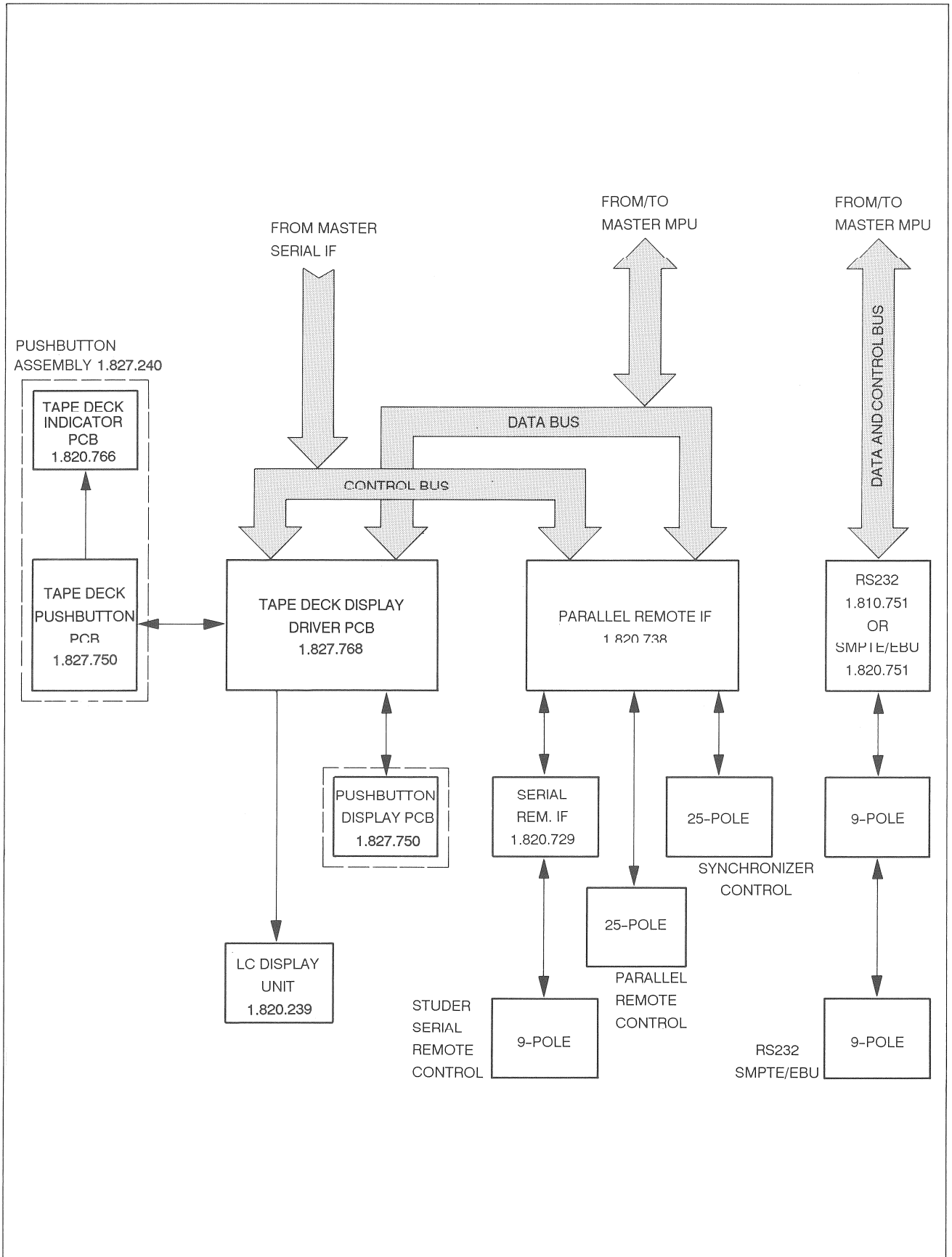
Sal=Solid aluminium
 MANUFACTURER: AM=American Microcypsten Inc., Fo=Fairchild, Hi=Hitachi,
 Mo=Motorola, NS=National Semiconductor, Ph=Philips,
 RC=RCR Corporation of America, RS=RS-Alex,
 TI=Texas Instruments, To=Tohshiba.

Note 1 - Indicator lamp: Jauchlicht no. 5530 24 V, 40 mA
 Dehino nr. OL - 552440

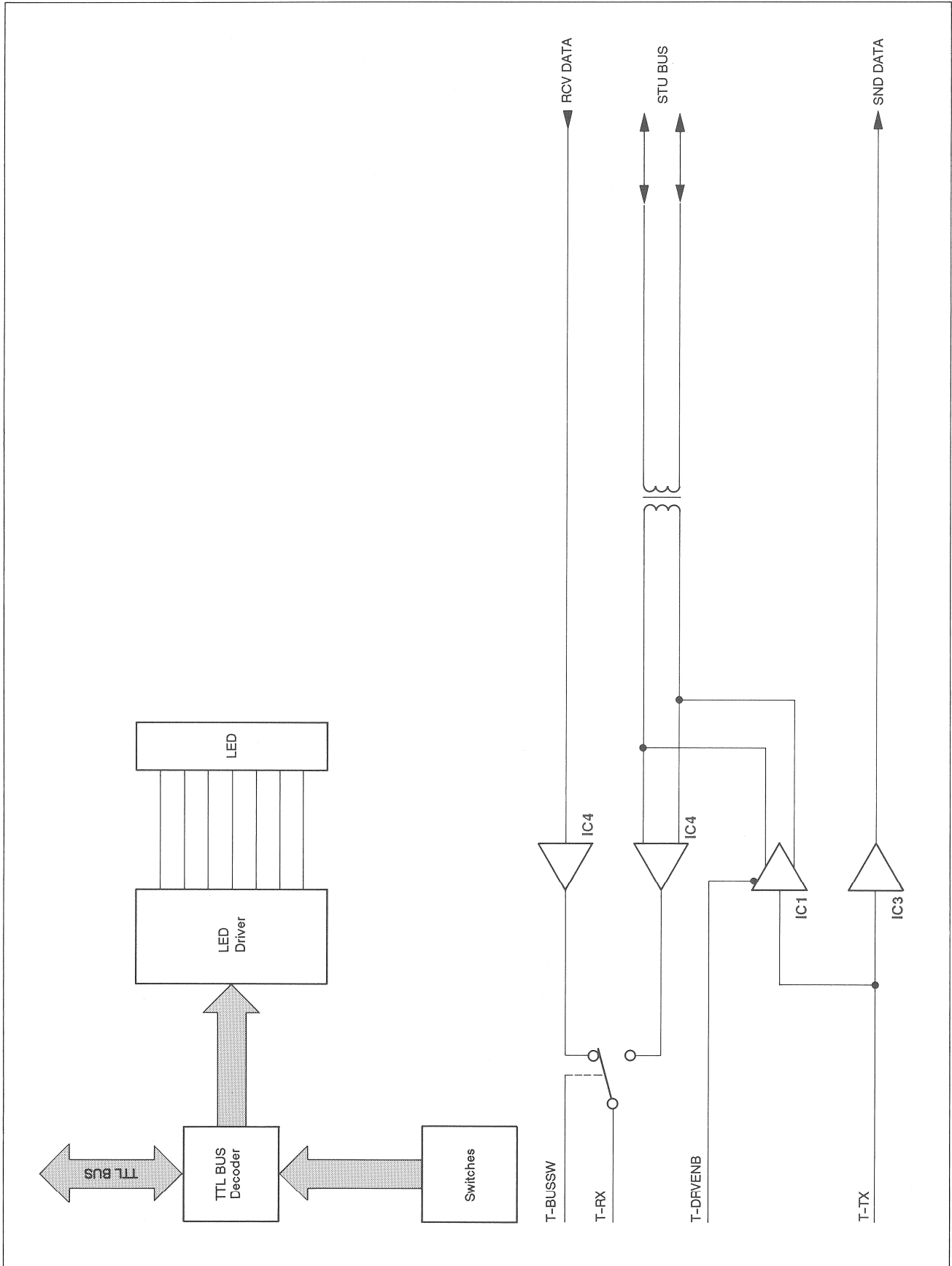
MANUFACTURER: St=Studer

ORIG 06/11/23
 S T U D E R (00) 06/11/23 CHE TAPE DECK INDICATOR BOARD PL 1.820.766.00 PAGE 1
 ORIG 06/10/14
 S T U D E R (00) 06/10/14 MPH MASTER TO AUDIO INTERFACE PL 1.820.756.00 PAGE 2

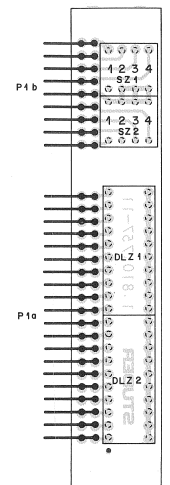
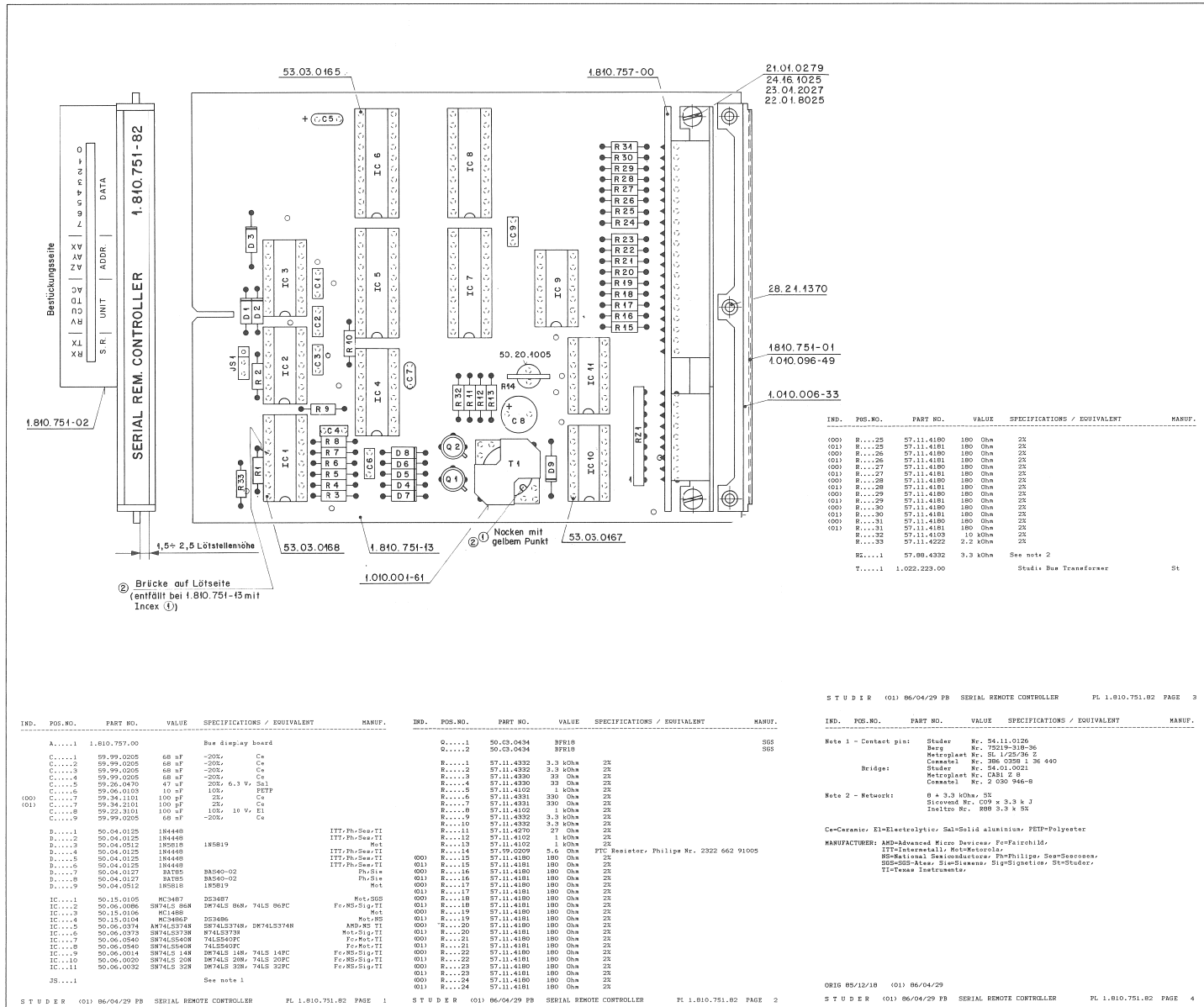
**BLOCK DIAGRAM
MASTER SECTION PERIPHERALS**



BLOCK DIAGRAM
SERIAL REMOTE CONTROLLER 1.810.751



SERIAL REMOTE CONTROLLER 1.810.751.82



BUS DISPLAY PCB 1.810.757
SOLDERED ONTO RS232/DATA
SAVE INTERFACE 1.810.751

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
UL....1	50.34.2134	HV57164F	HV57164G		GI
UL....2	50.04.2134	HV57164F	HV57164G		GI
SZ....1	54.01.0164		Switch Array, AMP 0-161 391-44 SAE 1004-892		
SZ....2	54.01.0164		Switch Array, AMP 0-161 391-44 SAE 1004-892		
P....1a	54.01.0261	20 cont.	AMP 1-163.740-9		
P....1b	54.01.0220	9 cont.	AMP 163.740-7		

STUDER (01) 06/04/29 PB SERIAL REMOTE CONTROLLER PL 1.810.751.82 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Q....1	50.C3.0434	BF819			SGS
Q....2	50.C3.0434	BF819			SGS
R....1	57.11.4332	3,3 kOhm	2%		
R....2	57.11.4332	3,3 kOhm	2%		
R....3	57.11.4330	33 Ohm	2%		
R....4	57.11.4330	33 Ohm	2%		
R....5	57.11.4302	1 kOhm	2%		
R....6	57.11.4331	330 Ohm	2%		
R....7	57.11.4331	330 Ohm	2%		
R....8	57.11.4302	1 kOhm	2%		
R....9	57.11.4332	3,3 kOhm	2%		
R....10	57.11.4332	3,3 kOhm	2%		
R....11	57.11.4270	27 Ohm	2%		
R....12	57.11.4102	1 kOhm	2%		
R....13	57.11.4102	1 kOhm	2%		
R....14	57.09.0209	5,6 kOhm	2%		PTC Resistor, Philips Nr. 2322 662 91005
R....15	57.11.4180	100 Ohm	2%		
R....16	57.11.4181	100 Ohm	2%		
R....17	57.11.4180	100 Ohm	2%		
R....18	57.11.4180	100 Ohm	2%		
R....19	57.11.4180	100 Ohm	2%		
R....20	57.11.4180	100 Ohm	2%		
R....21	57.11.4180	100 Ohm	2%		
R....22	57.11.4180	100 Ohm	2%		
R....23	57.11.4180	100 Ohm	2%		
R....24	57.11.4180	100 Ohm	2%		
R....25	57.11.4180	100 Ohm	2%		
R....26	57.11.4180	100 Ohm	2%		
R....27	57.11.4180	100 Ohm	2%		
R....28	57.11.4180	100 Ohm	2%		
R....29	57.11.4180	100 Ohm	2%		
R....30	57.11.4180	100 Ohm	2%		
R....31	57.11.4180	100 Ohm	2%		
R....32	57.11.4180	100 Ohm	2%		
R....33	57.11.4180	100 Ohm	2%		
R....34	57.11.4180	100 Ohm	2%		

Note 1 - Contact pin: Studer Nr. 54.11.0126
Requ. 75219-138-96
Metaplect Nr. SL 1/22/36 Z
Bridge: Connecte Nr. BR 0356 1 36 440
Studer Nr. 54.01.0021
Metaplect Nr. DAB1 2 B
Connecte Nr. 2 030 946-B

Note 2 - Network: 0 A 3,3 kOhm, 3%
Sloved Nr. C09 x 3,3 k J
Sloved Nr. R98 3,3 x 3%

Ca=Ceramic, El=Electrolytic, Hal=Solid aluminium, PET=Polyester

MANUFACTURER: AMP=Advanced Micro Devices, Fo=Fairchild, ITT=ITT Metall, Met=Metrolab, NS=National Semiconductor, Ph=Philips, Sem=Seacon, SGS=SGS-Ateq, Sied=Siemens, Sig=Signetics, St=Studer, TI=Texas Instruments.

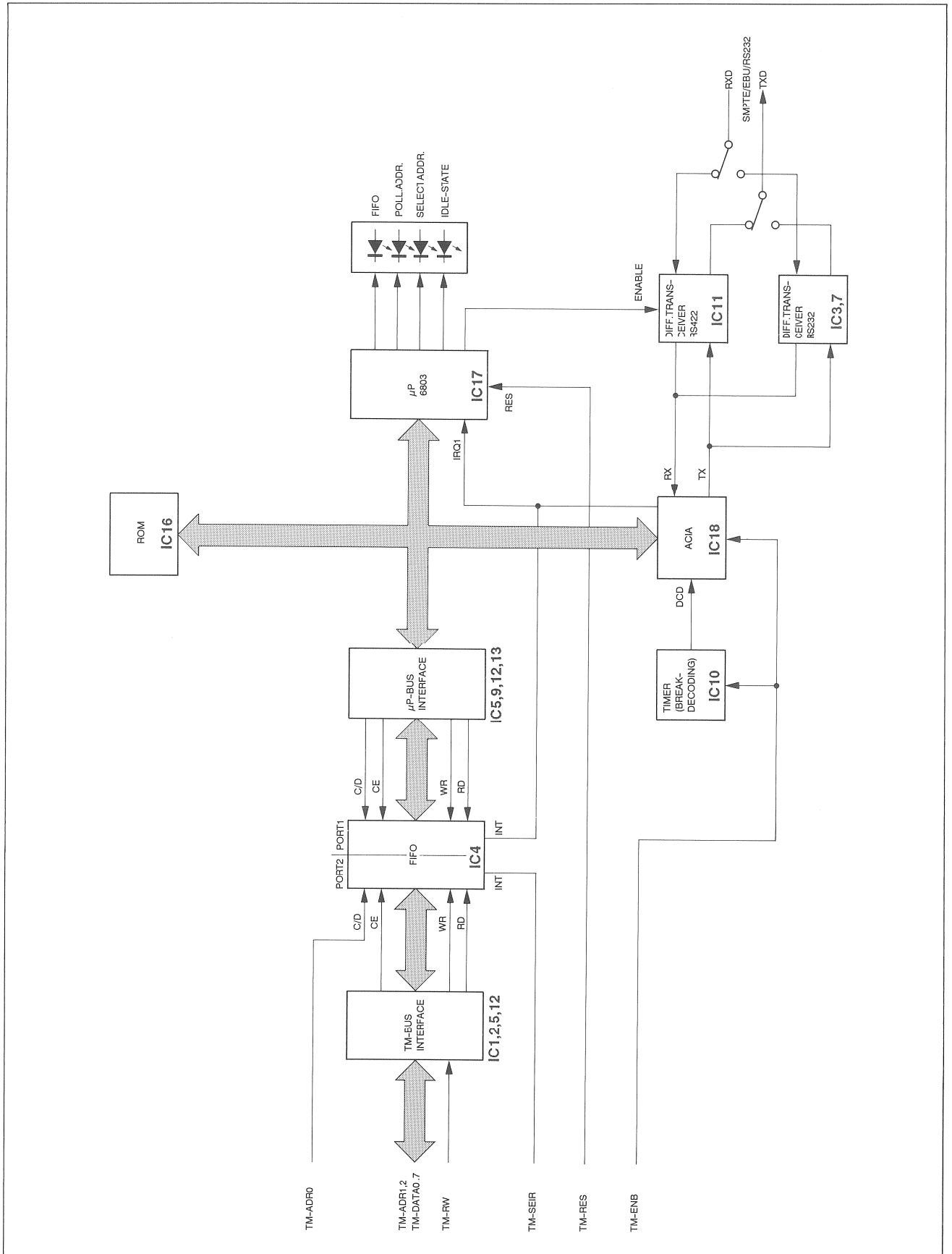
STUDER (01) 06/04/29 PB SERIAL REMOTE CONTROLLER PL 1.810.751.82 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
A....1	1.810.757.00		Bus display board		
C....1	59.99.0205	68 nF	-20%		Ce
C....2	59.99.0205	68 nF	-20%		Ce
C....3	59.99.0205	68 nF	-20%		Ce
C....4	59.99.0205	68 nF	-20%		Ce
C....5	59.06.0450	47 nF	20%, 0,3 V, S&L		
C....6	59.06.0103	10 nF	10%		PETP
C....7	59.34.1101	100 nF	2%		Ce
C....8	59.34.2101	100 nF	2%		Ce
C....9	59.02.3101	100 nF	10%		FI
C....10	59.99.0205	68 nF	-20%		Ce
D....1	50.04.0125	185448			ITT-Pb-Sem-TI
D....2	50.04.0125	185448			ITT-Pb-Sem-TI
D....3	50.04.0512	185818			Met
D....4	50.04.0125	185448			ITT-Pb-Sem-TI
D....5	50.04.0125	185448			ITT-Pb-Sem-TI
D....6	50.04.0125	185448			ITT-Pb-Sem-TI
D....7	50.04.0127	BAT85	BA540-02		Ph-Si
D....8	50.04.0127	BAT85	BA540-02		Ph-Si
D....9	50.04.0512	185818			Met
IC....1	50.15.0105	MC3487	DS3487		Met-SGS
IC....2	50.06.0086	SN74LS164	DM74LS164, 74LS164P		Fo-MS-Sig-TI
IC....3	50.15.0106	MC1488			Met
IC....4	50.15.0106	MC1488			Met
IC....5	50.06.0374	SN74LS374	DM74LS374B, DM74LS374M		AMP-MS TI
IC....6	50.06.0374	SN74LS374	DM74LS374B, DM74LS374M		Met-MS
IC....7	50.06.0540	SN74LS540X	74LS540PC		Fo-MS-TI
IC....8	50.06.0540	SN74LS540X	74LS540PC		Fo-MS-TI
IC....9	50.06.0014	SN74LS14N	DM74LS14B, 74LS14PC		Fo-MS-Sig-TI
IC....10	50.06.0030	SN74ALS204	DM74ALS204, 74ALS204C		Fo-MS-Sig-TI
IC....11	50.06.0032	SN74ALS32N	DM74ALS32B, 74ALS32PC		Fo-MS-Sig-TI
38....1			See note 1		

STUDER (01) 06/04/29 PB SERIAL REMOTE CONTROLLER PL 1.810.751.82 PAGE 1

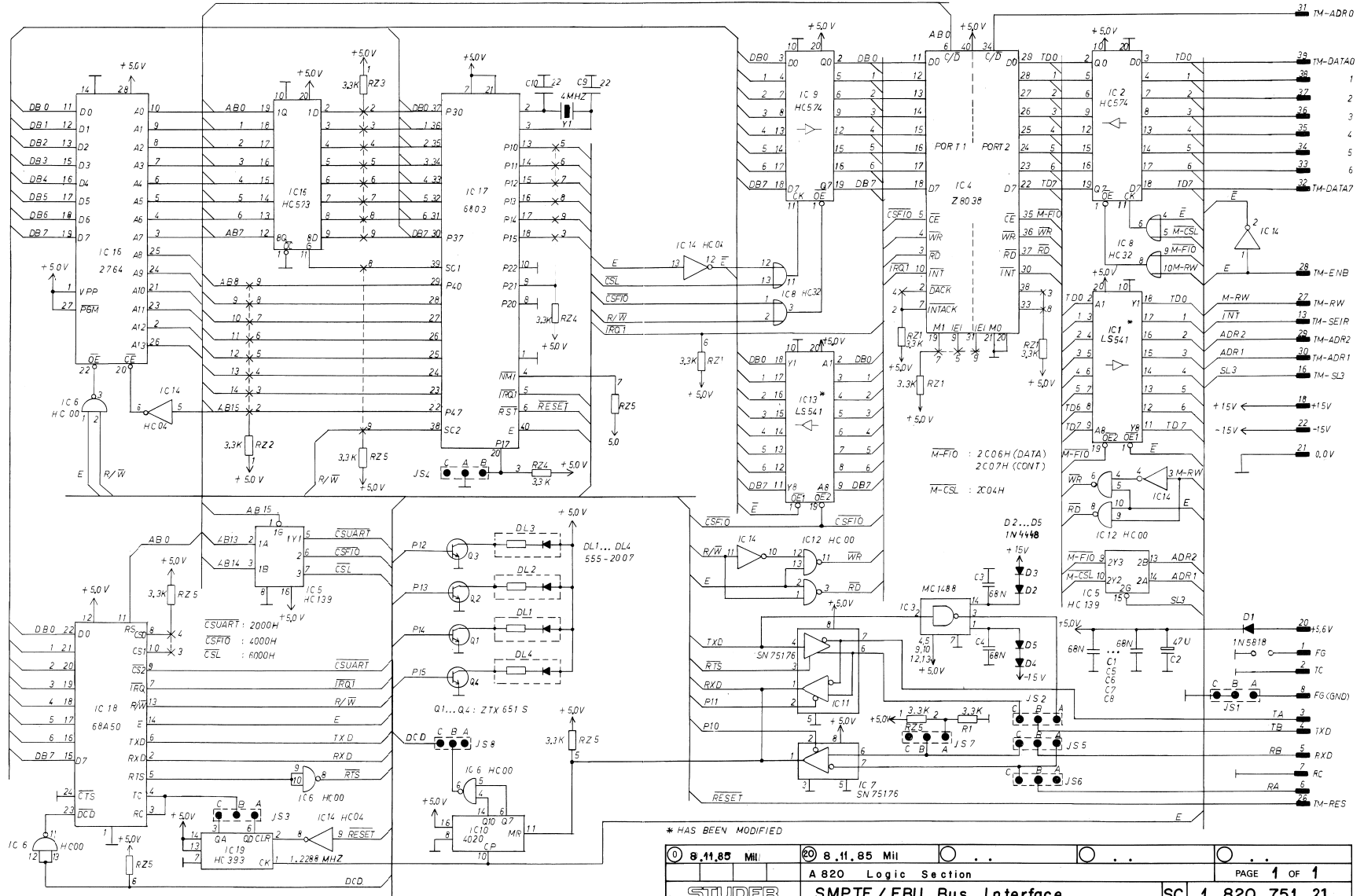
STUDER (01) 06/04/29 PB SERIAL REMOTE CONTROLLER PL 1.810.751.82 PAGE 2

BLOCK DIAGRAM
SMPTE/EBU BUS INTERFACE 1.820.751.21



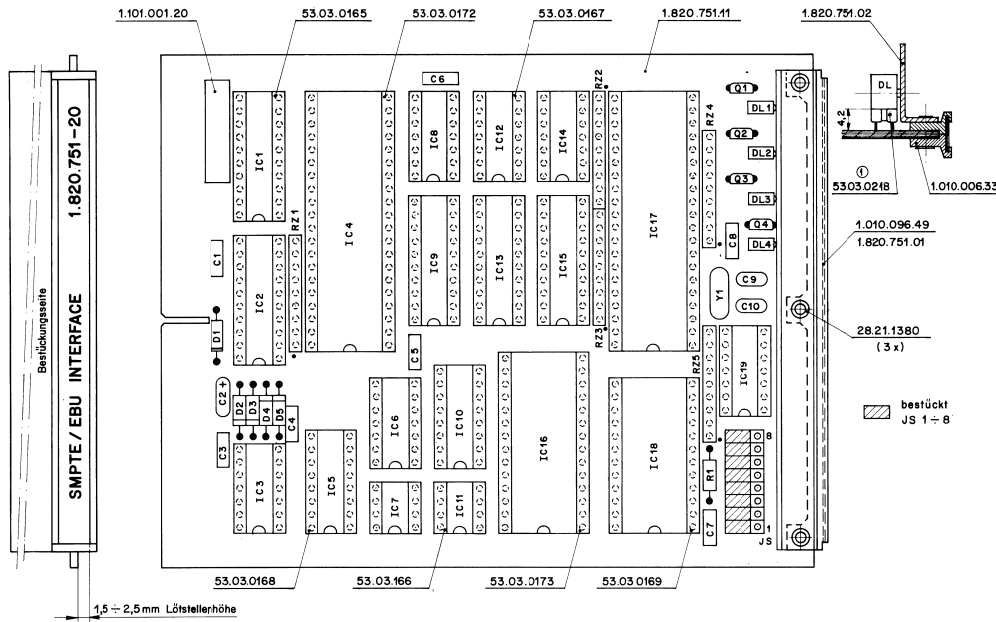


SMPTE/EBU BUS INTERFACE 1.820.751.21



0	8, 11, 85	Mil	20	8, 11, 85	Mil				
A 820 Logic Section									
STUDER SMPTE / EBU Bus Interface								PAGE 1 OF 1	
SC								1.820.751.21	

SMPTE/EBU BUS INTERFACE 1.820.751.21



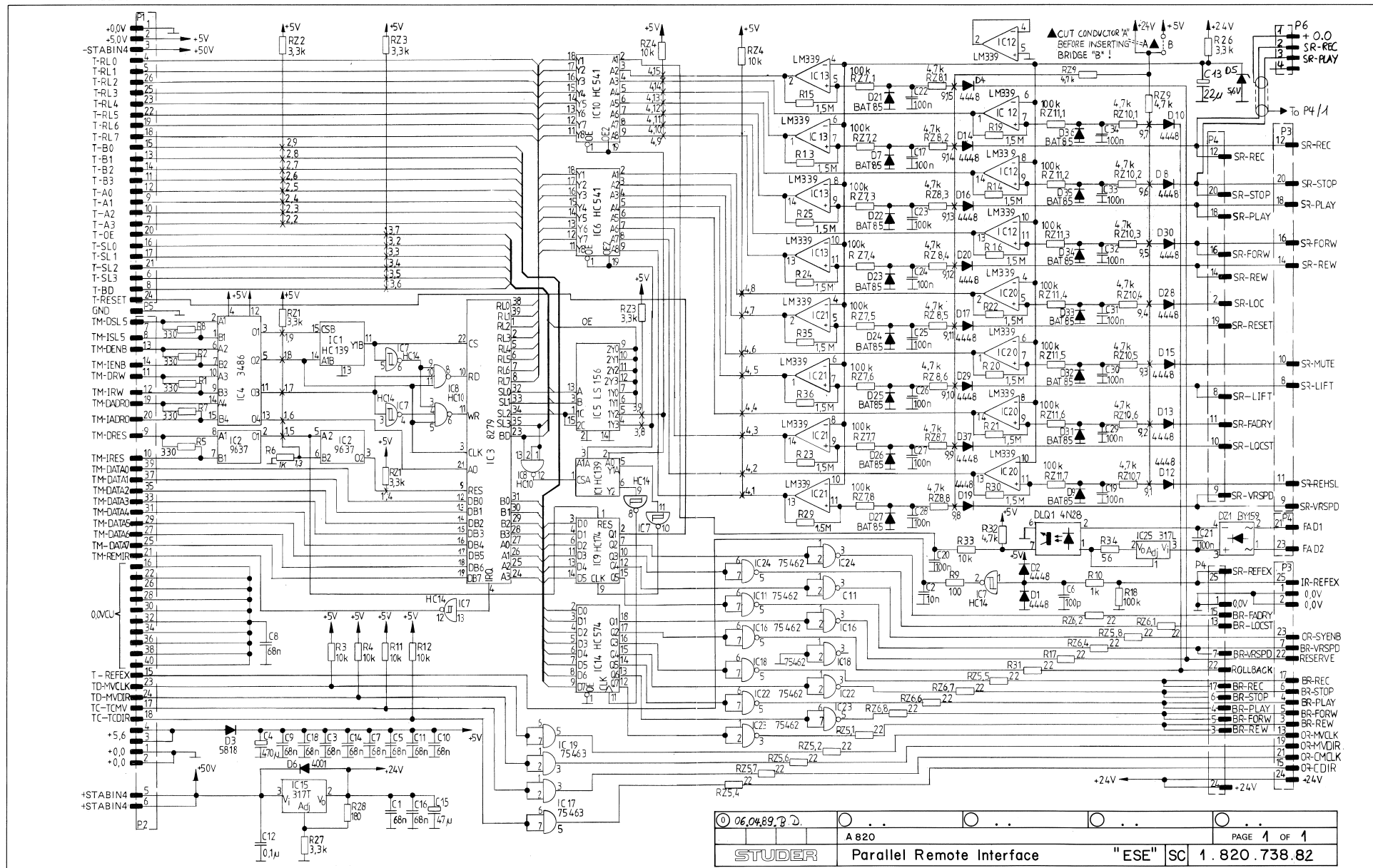
IND.	POS.ND.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(20)	C.....1	99+2h+0583	48 HF	10%	PETP
(20)	C.....2	99+2h+0570	47 UF	20%, 6.3V	SAL
(20)	C.....3	99+2h+0583	48 HF	10%	PETP
(20)	C.....4	99+2h+0583	48 HF	10%	PETP
(20)	C.....5	99+2h+0583	48 HF	10%	PETP
(20)	C.....6	99+2h+0583	48 HF	10%	PETP
(20)	C.....7	99+2h+0583	48 HF	10%	PETP
(20)	C.....8	99+2h+0583	48 HF	10%	PETP
(20)	C.....9	99+2h+2220	22 PF	5%	CER
(20)	C.....10	99+2h+2220	22 PF	5%	CER
(20)	U.....1	90+2h+0512	1N 5818	1N 5819	MoT
(20)	U.....2	90+2h+0125	1N 4448		Fc:ITT#PhSms+ff
(20)	U.....3	90+2h+0125	1N 4448		Fc:ITT#PhSms+ff
(20)	U.....4	90+2h+0125	1N 4448		Fc:ITT#PhSms+ff
(20)	U.....5	90+2h+0125	1N 4448		Fc:ITT#PhSms+ff
(20)	UL.....1	90+2h+2107	959-2007		DI
(20)	UL.....2	90+2h+2107	959-2007		DI
(20)	UL.....3	90+2h+2107	959-2007		DI
(20)	UL.....4	90+2h+2107	959-2007		DI
(20)	IC.....1	5017h+0561	74 LS 941	+74 LS 941..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....2	5017+1574	74 HC 574	+74 HC 574..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....3	5017+0139	MC 1489 P		RoE
(20)	IC.....4	5016+0118	Z 8038 P5	Z 8038 UC	AMZ+Zy
(20)	IC.....5	5017+1139	74 HC 139	+74 HC 139..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....6	5017+1000	74 HC 00	+74 HC 00..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....7	5017+0119	34751 RoMP	05 3095 V	NS:IT
(20)	IC.....8	5017+1032	74 HC 32	+74 HC 32..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....9	5017+1574	74 HC 574	+74 HC 574..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....10	5017+0203	MC10Z08CP	+40203 V	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....11	5015+0118	SN7516AP	05 3095 V	NS:IT
(20)	IC.....12	5017+1000	74 HC 00	+74 HC 00..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....13	5017+0561	74 LS 941	+74 LS 941..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....14	5017+1000	74 HC 00	+74 HC 00..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	IC.....15	5017+1573	74 HC 573	+74 HC 573..	MoT+NS+Ph+RCA+SGS+Tl+Ro

S T U D E R (20) 86/26/12 CM SMPTE / EBU INTERFACE PL 1.820.751.00 PAGE 1

IND.	POS.ND.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(02)	IC.....6	5014+0113	U 2784-3 2784 ...	HiTe+SGS+IT
(20)	IC.....16	1.820.994.20		Software 48/85, SMPTE/EBU IF	SE
(20)	IC.....17	5018+0107	MC803 P-1	H8003 P-1	Hi+Mo
(20)	IC.....18	5018+0101	MC803 P-1	5 08 A 50	AMI+Mo
(20)	IC.....19	5017+1393	74 HC 393	+74 HC 393..	MoT+NS+Ph+RCA+SGS+Tl+Ro
(20)	J5.....1			See note 1	
(20)	J5.....2			See note 1	
(20)	J5.....3			See note 1	
(20)	J5.....4			See note 1	
(20)	J5.....5			See note 1	
(20)	J5.....6			See note 1	
(20)	J5.....7			See note 1	
(20)	J5.....8			See note 1	
(20)	J5.....9			See note 1	
(20)	J5.....10			See note 1	
(20)	J5.....11			See note 1	
(20)	J5.....12			See note 1	
(20)	J5.....13			See note 1	
(20)	J5.....14			See note 1	
(20)	J5.....15			See note 1	
(20)	J5.....16			See note 1	
(20)	J5.....17			See note 1	
(20)	J5.....18			See note 1	
(20)	J5.....19			See note 1	
(20)	J5.....20			See note 1	
(20)	J5.....21			See note 1	
(20)	J5.....22			See note 1	
(20)	J5.....23			See note 1	
(20)	J5.....24			See note 1	
(20)	J5.....25			See note 1	
(20)	J5.....26			See note 1	
(20)	J5.....27			See note 1	
(20)	J5.....28			See note 1	
(20)	J5.....29			See note 1	
(20)	J5.....30			See note 1	
(20)	J5.....31			See note 1	
(20)	J5.....32			See note 1	
(20)	J5.....33			See note 1	
(20)	J5.....34			See note 1	
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(20)	J5.....45			See note 1	
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(20)	J5.....62			See note 1	
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(20)	J5.....173				

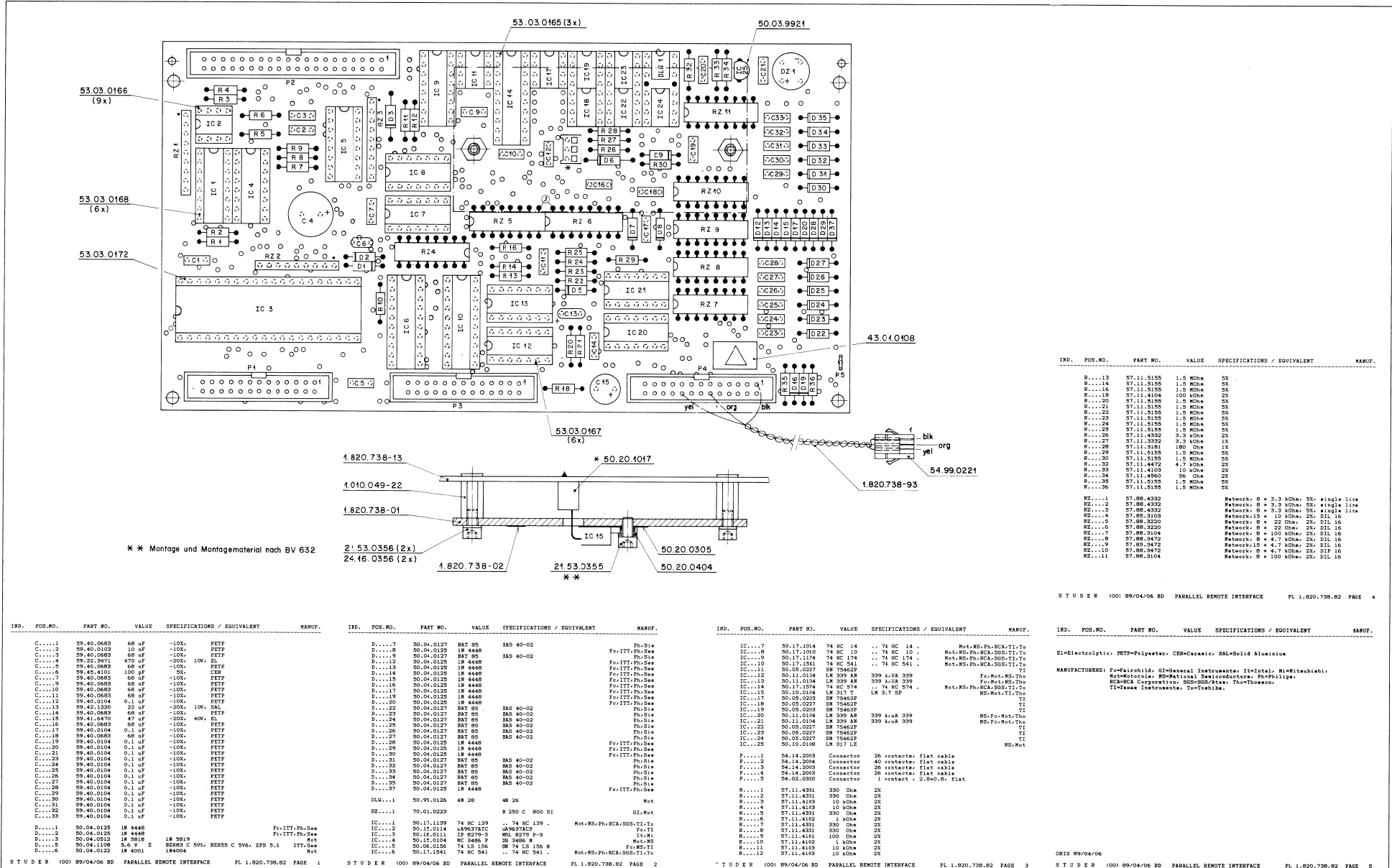


PARALLEL REMOTE INTERFACE 1.820.738.82



06.04.89	A 820	PAGE 1 OF 1
STUDER	Parallel Remote Interface	"ESE" SC 1.820.738.82

PARALLEL REMOTE INTERFACE 1.820.738.82



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...	13	57.11.5155	1.5 Mohm	5K	
R...	14	57.11.5155	1.5 Mohm	5K	
R...	16	57.11.5155	1.5 Mohm	5K	
R...	18	57.11.5155	1.5 Mohm	5K	
R...	20	57.11.4104	100 Kohm	2K	
R...	22	57.11.5155	1.5 Mohm	5K	
R...	23	57.11.5155	1.5 Mohm	5K	
R...	24	57.11.5155	1.5 Mohm	5K	
R...	25	57.11.5155	1.5 Mohm	5K	
R...	26	57.11.5155	1.5 Mohm	5K	
R...	27	57.11.5155	1.5 Mohm	5K	
R...	28	57.11.3292	3.3 Kohm	1K	
R...	29	57.11.4181	180 Ohm	1K	
R...	30	57.11.5155	1.5 Mohm	5K	
R...	31	57.11.5155	1.5 Mohm	5K	
R...	32	57.11.4472	4.7 Kohm	2K	
R...	34	57.11.4103	10 Kohm	2K	
R...	34	57.11.4560	56 Ohm	2K	
R...	36	57.11.5155	1.5 Mohm	5K	
R...	36	57.11.5155	1.5 Mohm	5K	
RZ...	1	57.88.4392	Network: B = 3.3 Kohm	5K single list	
RZ...	2	57.88.4392	Network: B = 3.3 Kohm	5K single list	
RZ...	3	57.88.4392	Network: B = 3.3 Kohm	5K single list	
RZ...	4	57.85.3109	Network: 15 = 10 Kohm	2K DIL 16	
RZ...	5	57.88.3220	Network: B = 22 Ohm	2K DIL 16	
RZ...	6	57.88.3220	Network: B = 10 Kohm	2K DIL 16	
RZ...	7	57.88.3104	Network: B = 100 Kohm	2K DIL 16	
RZ...	8	57.88.3472	Network: B = 4.7 Kohm	2K DIL 16	
RZ...	9	57.85.3472	Network: 15 = 4.7 Kohm	2K DIL 16	
RZ...	10	57.88.3472	Network: B = 4.7 Kohm	2K DIL 16	
RZ...	11	57.88.3104	Network: B = 100 Kohm	2K DIL 16	

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...	1	59.40.0683	68 uF	-10%	FETP
C...	2	59.40.0103	10 nF	-10%	FETP
C...	3	59.40.0683	68 uF	-10%	FETP
C...	4	59.22.3671	470 uF	-20%	LOW EL
C...	5	59.40.0683	68 uF	-10%	FETP
C...	6	59.45.4101	100 pF	5%	CER
C...	7	59.40.0683	68 uF	-10%	FETP
C...	9	59.40.0683	68 nF	-10%	FETP
C...	10	59.40.0683	68 uF	-10%	FETP
C...	11	59.40.0683	68 nF	-10%	FETP
C...	12	59.40.0104	0.1 uF	-10%	FETP
C...	13	59.42.1220	22 uF	-20%	LOW SAL
C...	14	59.40.0683	68 uF	-10%	FETP
C...	15	59.41.6470	47 uF	-20%	ADV. EL
C...	16	59.40.0683	68 uF	-10%	FETP
C...	17	59.40.0104	0.1 uF	-10%	FETP
C...	18	59.40.0683	68 uF	-10%	FETP
C...	19	59.40.0104	0.1 uF	-10%	FETP
C...	20	59.40.0104	0.1 uF	-10%	FETP
C...	21	59.40.0104	0.1 uF	-10%	FETP
C...	22	59.40.0104	0.1 uF	-10%	FETP
C...	23	59.40.0104	0.1 uF	-10%	FETP
C...	24	59.40.0104	0.1 uF	-10%	FETP
C...	25	59.40.0104	0.1 uF	-10%	FETP
C...	26	59.40.0104	0.1 uF	-10%	FETP
C...	27	59.40.0104	0.1 uF	-10%	FETP
C...	28	59.40.0104	0.1 uF	-10%	FETP
C...	29	59.40.0104	0.1 uF	-10%	FETP
C...	30	59.40.0104	0.1 uF	-10%	FETP
C...	31	59.40.0104	0.1 uF	-10%	FETP
C...	32	59.40.0104	0.1 uF	-10%	FETP
C...	33	59.40.0104	0.1 uF	-10%	FETP
D...	1	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	2	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	3	50.04.0125	18 3600	18 5819	Fe:ITT,Fh:See
D...	5	50.04.1108	5.6 V Z	82X83 C 5V5, BX255 C 5V6, ZPD 5.5	ITT,See
D...	6	50.04.0122	18 4001	184004	Ret

STUDER (00) 89/04/06 BD PARALLEL REMOTE INTERFACE PL 1.820.738.82 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D...	7	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	8	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	9	50.04.0127	8AT 85	8AS 40-02	Fe:ITT,Fh:See
D...	12	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	13	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	14	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	15	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	16	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	17	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	18	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	19	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	22	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	23	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	24	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	25	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	26	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	27	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	28	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	29	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	30	50.04.0125	18 4448		Fe:ITT,Fh:See
D...	31	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	32	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	33	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	34	50.04.0127	8AT 85	8AS 40-02	Fh:Si
D...	35	50.04.0125	18 4448		Fe:ITT,Fh:See
DL...	1	50.95.0126	4N 28	4N 26	Ret
DZ...	1	70.01.0223		B 250 C 800 SI	GI:Ret
IC...	1	50.11.1139	74 HC 139	.. 74 HC 139 ..	Ret:MS,Fh:BCA:SGS:TI:To
IC...	2	50.11.0114	LM393AC	LM393AC	Fe:ITT
IC...	3	50.11.0111	LM 8279-5	MEL 8279-F-5	Fe:ITT
IC...	4	50.11.0104	LM 393	LM 393	Ret:MS
IC...	5	50.06.0156	74 LS 156	SN 74 LS 156 N	Ret:MS
IC...	6	50.11.1541	74 HC 541	.. 74 HC 541 ..	Ret:MS,Fh:BCA:SGS:TI:To

STUDER (00) 89/04/06 BD PARALLEL REMOTE INTERFACE PL 1.820.738.82 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...	7	50.17.0104	74 HC 14	.. 74 HC 14 ..	Ret:MS,Fh:BCA:TI:To
IC...	8	50.17.0105	74 HC 10	.. 74 HC 10 ..	Ret:MS,Fh:BCA:SGS:TI:To
IC...	9	50.17.0104	74 HC 14	.. 74 HC 14 ..	Ret:MS,Fh:BCA:SGS:TI:To
IC...	10	50.17.1551	74 HC 541	.. 74 HC 541 ..	Ret:MS,Fh:BCA:SGS:TI:To
IC...	11	50.05.0227	SN 75462F		TI
IC...	12	50.11.0104	LM 393 AN	339 L-DA 339	Fe:Ret:MS:To
IC...	13	50.11.0104	LM 393 AN	339 L-DA 339	Fe:Ret:MS:To
IC...	14	50.17.0104	74 HC 574	.. 74 HC 574 ..	Ret:MS,Fh:BCA:SGS:TI:To
IC...	15	50.10.0104	LM 317 F	LM 317 SF	MS:Ret:TI:To
IC...	17	50.05.0227	SN 75462F		TI
IC...	18	50.05.0227	SN 75462F		TI
IC...	19	50.05.0227	SN 75462F		TI
IC...	20	50.11.0104	LM 393 AN	339 L-DA 339	MS:Fe:Ret:To
IC...	21	50.11.0104	LM 393 AN	339 L-DA 339	MS:Fe:Ret:To
IC...	22	50.05.0227	SN 75462F		TI
IC...	23	50.05.0227	SN 75462F		TI
IC...	24	50.05.0227	SN 75462F		TI
IC...	25	50.10.0108	LM 317 LIT		TI
F...	1	54.14.2003	Connector	26 contacts, flat cable	
F...	2	54.14.2004	Connector	40 contacts, flat cable	
F...	3	54.14.2003	Connector	26 contacts, flat cable	
F...	4	54.14.2003	Connector	26 contacts, flat cable	
F...	5	54.02.0300	Connector	1 contact, 2,500, 0,5 flat	
R...	1	57.11.4331	330 Ohm	2K	
R...	2	57.11.4331	330 Ohm	2K	
R...	3	57.11.4103	10 Kohm	2K	
R...	4	57.11.4103	10 Kohm	2K	
R...	5	57.11.4331	330 Ohm	2K	
R...	6	57.11.4102	1 Kohm	2K	
R...	7	57.11.4331	330 Ohm	2K	
R...	8	57.11.4331	330 Ohm	2K	
R...	9	57.11.4103	10 Kohm	2K	
R...	10	57.11.4102	1 Kohm	2K	
R...	11	57.11.4103	10 Kohm	2K	
R...	12	57.11.4103	10 Kohm	2K	

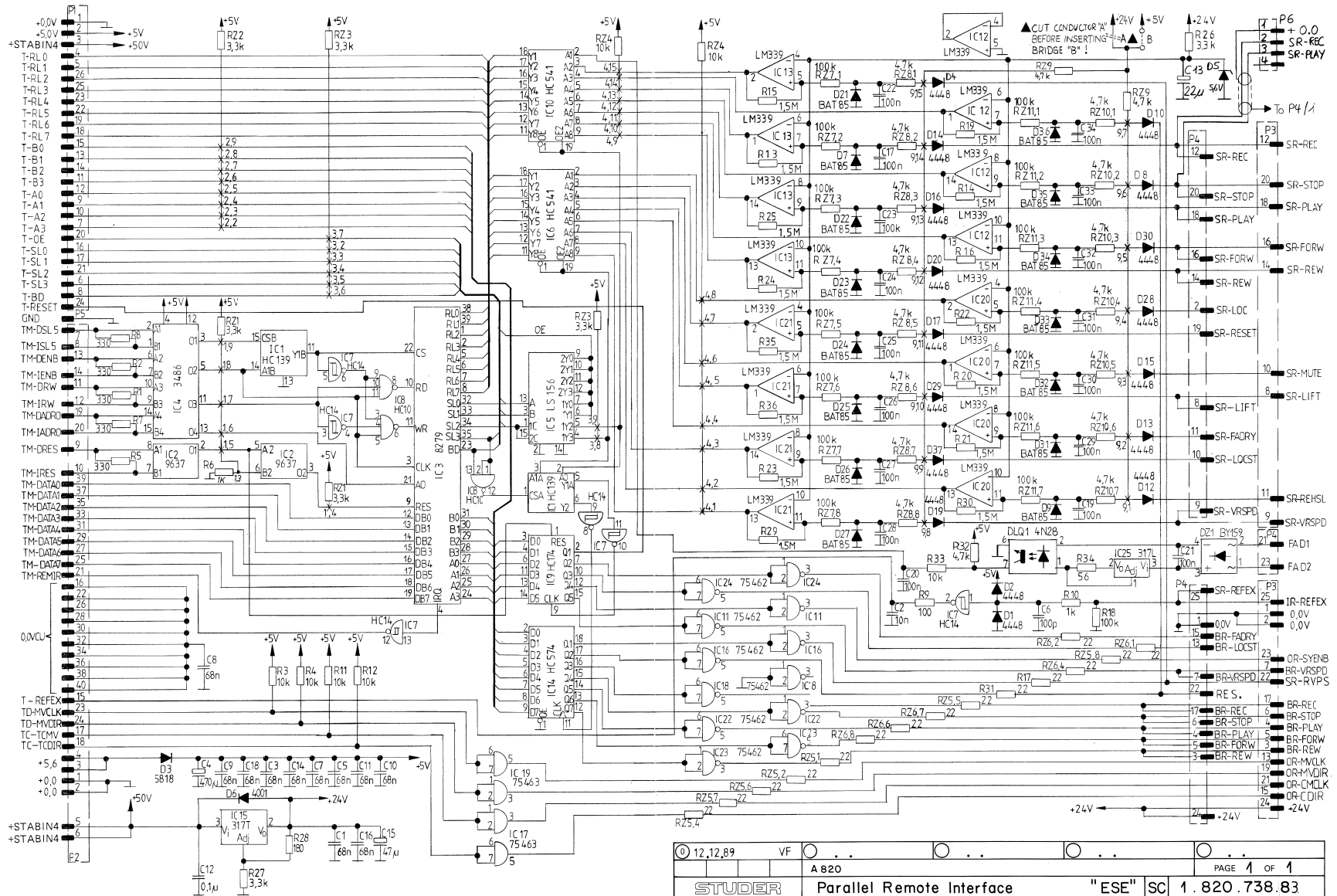
STUDER (00) 89/04/06 BD PARALLEL REMOTE INTERFACE PL 1.820.738.82 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
EI...	1	57.88.4392	Network: B = 3.3 Kohm	5K single list	
EI...	2	57.88.4392	Network: B = 3.3 Kohm	5K single list	
EI...	3	57.88.4392	Network: B = 3.3 Kohm	5K single list	
EI...	4	57.85.3109	Network: 15 = 10 Kohm	2K DIL 16	
EI...	5	57.88.3220	Network: B = 22 Ohm	2K DIL 16	
EI...	6	57.88.3220	Network: B = 10 Kohm	2K DIL 16	
EI...	7	57.88.3104	Network: B = 100 Kohm	2K DIL 16	
EI...	8	57.88.3472	Network: B = 4.7 Kohm	2K DIL 16	
EI...	9	57.85.3472	Network: 15 = 4.7 Kohm	2K DIL 16	
EI...	10	57.88.3472	Network: B = 4.7 Kohm	2K DIL 16	
EI...	11	57.88.3104	Network: B = 100 Kohm	2K DIL 16	

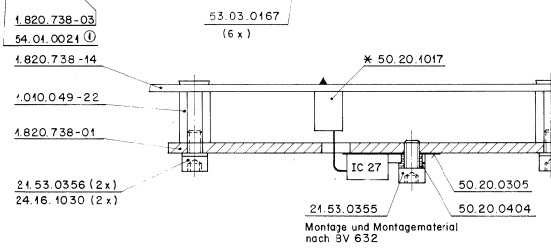
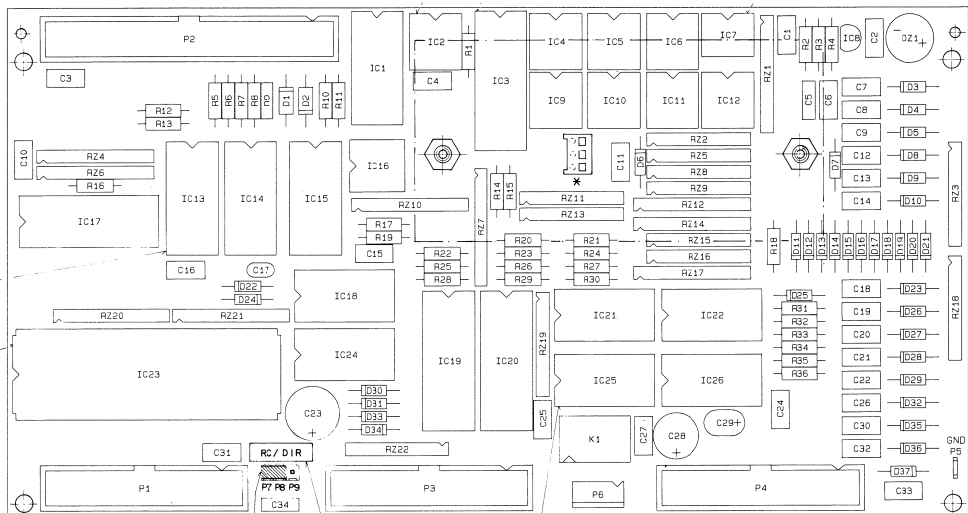
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PARALLEL REMOTE INTERFACE 1.820.738.83



PARALLEL REMOTE INTERFACE 1.820.738.84



Nr. Etikette / ESE - Warnschild
 ausgelegt nach Fabrikationsmuster.

Montage und Montage material
 nach 5V 632

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.40.0683	68 nF	-10%	PETP	
C.....2	59.40.0194	0.1 uF	-10%	PETP	
C.....3	59.40.0683	68 nF	-10%	PETP	
C.....4	59.40.0683	68 nF	-10%	PETP	
C.....5	59.40.0193	10 nF	-10%	PETP	
C.....6	59.40.0683	68 nF	-10%	PETP	
C.....7	59.40.0194	0.1 uF	-10%	PETP	
C.....8	59.40.0194	0.1 uF	-10%	PETP	
C.....9	59.40.0194	0.1 uF	-10%	PETP	
C.....10	59.40.0194	0.1 uF	-10%	PETP	
C.....11	59.40.0683	68 nF	-10%	PETP	
C.....12	59.40.0194	0.1 uF	-10%	PETP	
C.....13	59.40.0194	0.1 uF	-10%	PETP	
C.....14	59.40.0194	0.1 uF	-10%	PETP	
C.....15	59.40.0683	68 nF	-10%	PETP	
C.....16	59.40.0683	68 nF	-10%	PETP	
C.....17	59.45.0101	100 pF		5% CER	
C.....18	59.40.0194	0.1 uF	-10%	PETP	
C.....19	59.40.0194	0.1 uF	-10%	PETP	
C.....20	59.40.0194	0.1 uF	-10%	PETP	
C.....21	59.40.0194	0.1 uF	-10%	PETP	
C.....22	59.40.0194	0.1 uF	-10%	PETP	
C.....23	59.22.3471	470 nF	-20%	IOV. EL	
C.....24	59.40.0683	68 nF	-10%	PETP	
C.....25	59.40.0683	68 nF	-10%	PETP	
C.....26	59.40.0194	0.1 uF	-10%	PETP	
C.....27	59.40.0683	68 nF	-10%	PETP	
C.....28	59.41.6470	47 uF	-20%	40V. EL	
C.....29	59.42.1220	22 uF	-20%	IOV. VAL	
C.....30	59.40.0194	0.1 uF	-10%	PETP	
C.....31	59.40.0194	0.1 uF	-10%	PETP	
C.....32	59.40.0194	0.1 uF	-10%	PETP	
C.....33	59.40.0194	0.1 uF	-10%	PETP	
C.....34	59.40.0193	10 nF	-10%	PETP	
D.....1	50.04.0132	1W 4001	184094		Met
D.....2	50.04.0512	1W 5018	18 5819		Met

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....3	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....4	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....5	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....6	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....7	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....8	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....9	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....10	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....11	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....12	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....13	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....14	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....15	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....16	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....17	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....18	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....19	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....20	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....21	50.09.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....22	50.09.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....23	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....24	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....25	50.04.1108	5.0 V 2	B2083 C 5V6, B2055 C 5V6, ZEP 5.0	ITT,Seo	Ph.Sia
D.....26	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....27	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....28	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....29	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....30	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....31	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....32	50.04.0125	1W 4448		BAS 40-02	Fe.ITT,Ph.Sae
D.....33	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....34	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
D.....35	50.04.0127	BAT 95		BAS 40-02	Ph.Sia
DZ.....1	70.01.0223	B 250 C 800 SI			GI,Mat

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC.....1	50.17.1174	74 HC 174	.. 74 HC 174		Met,RS;Ph.RCA;SGS;Ti,Ts
IC.....2	50.15.0114	uA9637ATC	.. uA9637ATC		Fe,Ti
IC.....3	50.17.1378	74 HC 574	.. 74 HC 574		Met,RS;Ph.RCA;SGS;Ti,Ts
(00) IC.....4	50.05.0227	SN 75462P			TI
(01) IC.....5	50.05.0227	SN 75462P			TI
IC.....6	50.05.0227	SN 75462P			TI
IC.....7	50.09.0126	48 28		48 26	Met
IC.....8	50.10.0108	SN 75462P			RS,Met
IC.....9	50.05.0227	SN 75462P			TI
IC.....10	50.05.0227	SN 75462P			TI
IC.....11	50.05.0227	SN 75462P			TI
IC.....12	50.05.0227	SN 75462P			TI
IC.....13	50.17.1139	74 HC 139	.. 74 HC 139		Met,RS;Ph.RCA;SGS;Ti,Ts
IC.....14	50.04.0104	74 LS 156	SN 74 LS 156 N		Fe,RS;TI
IC.....15	50.15.0104	MC 3486 P	DS 3486 N		Met,RS
IC.....16	50.05.0227	SN 75462P			TI
IC.....17	50.17.1245	74ACT 245	.. 74ACT 245		Ph,Sia,IT
IC.....18	50.17.1041	74 HC 101	.. 74 HC 101		Met,RS;Ph.RCA;SGS;Ti,Ts
IC.....19	50.17.1041	74 HC 141	.. 74 HC 141		Met,RS;Ph.RCA;SGS;Ti,Ts
IC.....20	50.11.0104	LM 311 L2	.. LM 311 L2		Met,RS;Ph.RCA;SGS;Ti,Ts
IC.....21	50.11.0104	LM 339 AB	339 A UA 339		Fe,Met,RS;Thi
IC.....22	50.11.0104	LM 339 AB	339 A UA 339		Fe,Met,RS;Thi
IC.....23	50.11.0104	LM 339 AB	339 A UA 339		Fe,Met,RS;Thi
IC.....24	50.17.1014	74 HC 14	.. 74 HC 14		Met,RS;Ph.RCA;Ti,Ts
IC.....25	50.11.0104	LM 339 AB	339 A UA 339		Fe,Met,RS;Thi
IC.....26	50.11.0104	LM 339 AB	339 A UA 339		Fe,Met,RS;Thi
IC.....27	50.10.0104	LM 311 T	.. LM 311 T		RS,Met,TI,Thi
K.....1	56.04.0197	24 V 240	125V / 2 A. AG/AU		
P.....1	54.14.2003	Connector	26 contacte; flat cable		
P.....2	54.14.2003	Connector	40 contacte; flat cable		
P.....3	54.14.2003	Connector	26 contacte; flat cable		
P.....4	54.14.2003	Connector	26 contacte; flat cable		
P.....5	54.02.0320	Connector	1 contacte / 2,8x0,8; flat		
P.....6	54.99.0213	Connector	4 contacte; straight; AMP		

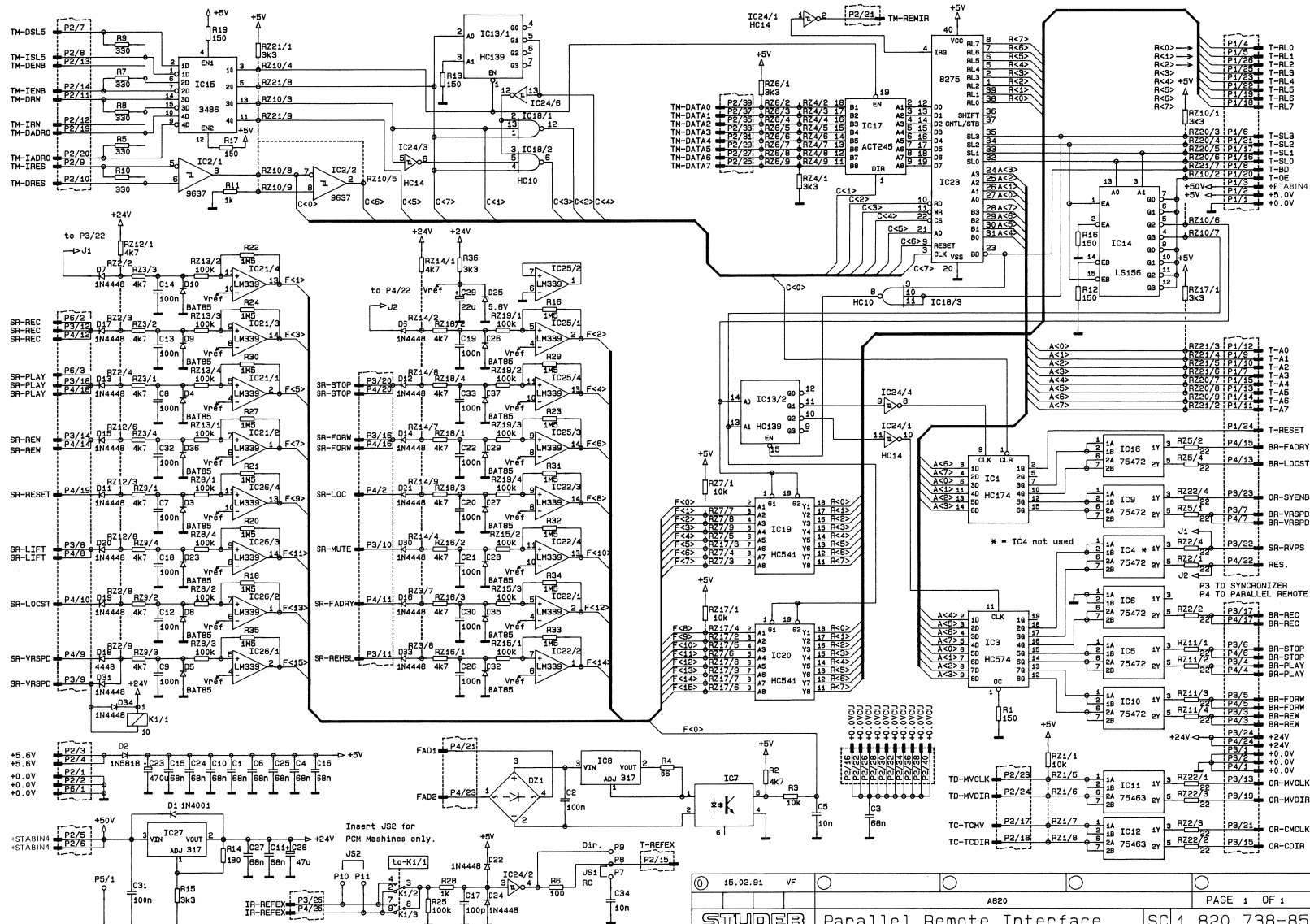
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
F.....7	54.01.0020	Connector	1 contact / ..63x,63; H=5,8/3,4		
F.....8	54.01.0020	Connector	1 contact / ..63x,63; H=5,8/3,4		
F.....9	54.01.0020	Connector	1 contact / ..63x,63; H=5,8/3,4		
R.....1	57.11.3151	150 Ohm	2X		
R.....2	57.11.3472	4,7 kOhm	2X		
R.....3	57.11.3103	10 kOhm	2X		
R.....4	57.11.3560	56 Ohm	2X		
R.....5	57.11.3331	330 Ohm	2X		
R.....6	57.11.3101	100 Ohm	2X		
R.....7	57.11.3331	330 Ohm	2X		
R.....8	57.11.3331	330 Ohm	2X		
R.....9	57.11.3331	330 Ohm	2X		
R.....10	57.11.3331	330 Ohm	2X		
R.....11	57.11.3102	1 kOhm	2X		
R.....12	57.11.3151	150 Ohm	2X		
R.....13	57.11.3151	150 Ohm	2X		
R.....14	57.11.3181	180 Ohm	1X		
R.....15	57.11.3332	3,3 kOhm	2X		
R.....16	57.11.3151	150 Ohm	2X		
R.....17	57.11.3151	150 Ohm	2X		
R.....18	57.11.3151	1,5 kOhm	5X		
R.....19	57.11.3151	1,5 kOhm	5X		
R.....20	57.11.3151	1,5 kOhm	5X		
R.....21	57.11.3151	1,5 kOhm	5X		
R.....22	57.11.3151	1,5 kOhm	5X		
R.....23	57.11.3151	1,5 kOhm	5X		
R.....24	57.11.3151	1,5 kOhm	5X		
R.....25	57.11.3104	100 kOhm	2X		
R.....26	57.11.3151	1,5 kOhm	5X		
R.....27	57.11.3151	1,5 kOhm	5X		
R.....28	57.11.3102	1 kOhm	2X		
R.....29	57.11.3151	1,5 kOhm	5X		
R.....30	57.11.3151	1,5 kOhm	5X		
R.....31	57.11.3151	1,5 kOhm	5X		
R.....32	57.11.3151	1,5 kOhm	5X		
R.....33	57.11.3151	1,5 kOhm	5X		

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....34	57.11.3155	1,5 kOhm	5X		
R.....35	57.11.3155	1,5 kOhm	5X		
R.....36	57.11.3332	3,3 kOhm	2X		
RZ.....1	57.88.4103	Network	8 x 10 kOhm; 2% single line		
RZ.....2	57.88.2220	Network	4 x 22 Ohm; 2% single line		
RZ.....3	57.88.2470	Network	4 x 4,7 kOhm; 2% single line		
RZ.....4	57.88.4332	Network	8 x 3,3 kOhm; 2% single line		
RZ.....5	57.88.2220	Network	4 x 22 Ohm; 2% single line		
RZ.....6	57.88.4332	Network	8 x 3,3 kOhm; 2% single line		
RZ.....7	57.88.4103	Network	8 x 10 kOhm; 2% single line		
RZ.....8	57.88.2104	Network	4 x 100 kOhm; 2% single line		
RZ.....9	57.88.2470	Network	4 x 4,7 kOhm; 2% single line		
RZ.....10	57.88.4332	Network	8 x 4,7 kOhm; 2% single line		
RZ.....11	57.88.2220	Network	4 x 22 Ohm; 2% single line		
RZ.....12	57.88.4332	Network	8 x 4,7 kOhm; 2% single line		
RZ.....13	57.88.4332	Network	8 x 4,7 kOhm; 2% single line		
RZ.....14	57.88.4332	Network	8 x 4,7 kOhm; 2% single line		
RZ.....15	57.88.2104	Network	4 x 100 kOhm; 2% single line		
RZ.....16	57.88.2470	Network	4 x 4,7 kOhm; 2% single line		
RZ.....17	57.88.4103	Network	8 x 10 kOhm; 2% single line		
RZ.....18	57.88.2470	Network	4 x 4,7 kOhm; 2% single line		
RZ.....19	57.88.2104	Network	4 x 100 kOhm; 2% single line		
RZ.....20	57.88.4332	Network	8 x 4,7 kOhm; 2% single line		
RZ.....21	57.88.4332	Network	8 x 3,3 kOhm; 2% single line		
RZ.....22	57.88.2220				

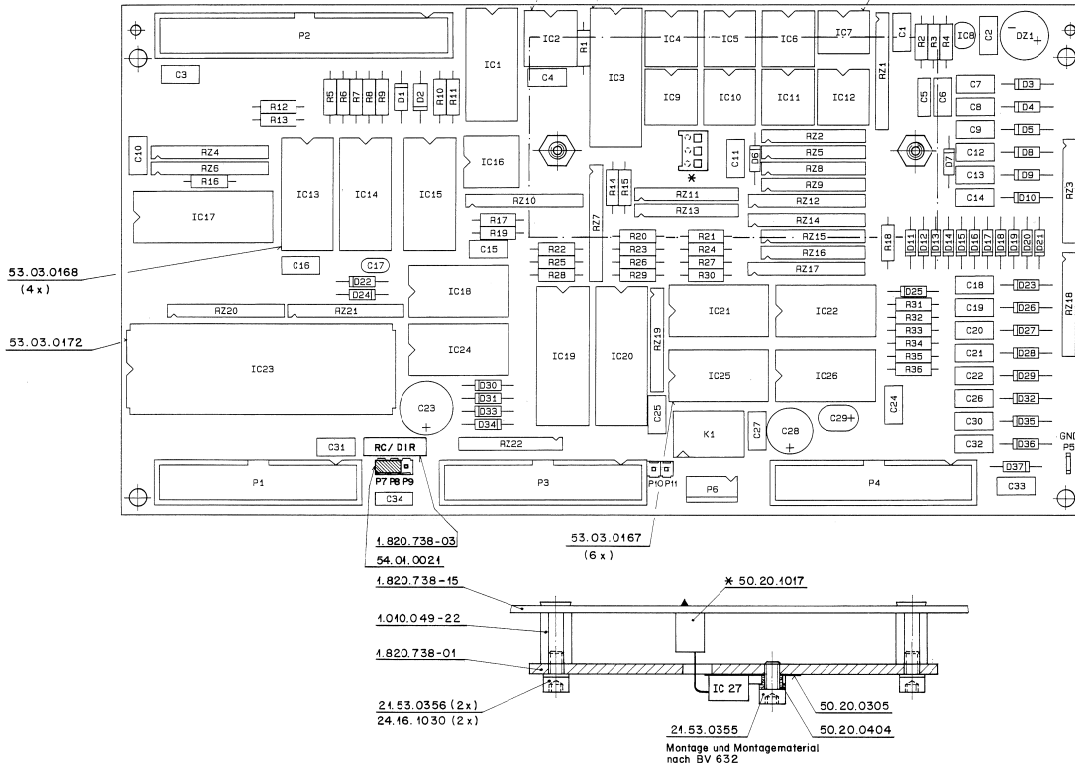


PARALLEL REMOTE INTERFACE 1.820.738.85



15.02.91	VF				
STUDER Parallel Remote Interface			PAGE 1 OF 1		
SC 1.820.738-85					

PARALLEL REMOTE INTERFACE 1.820.738.85



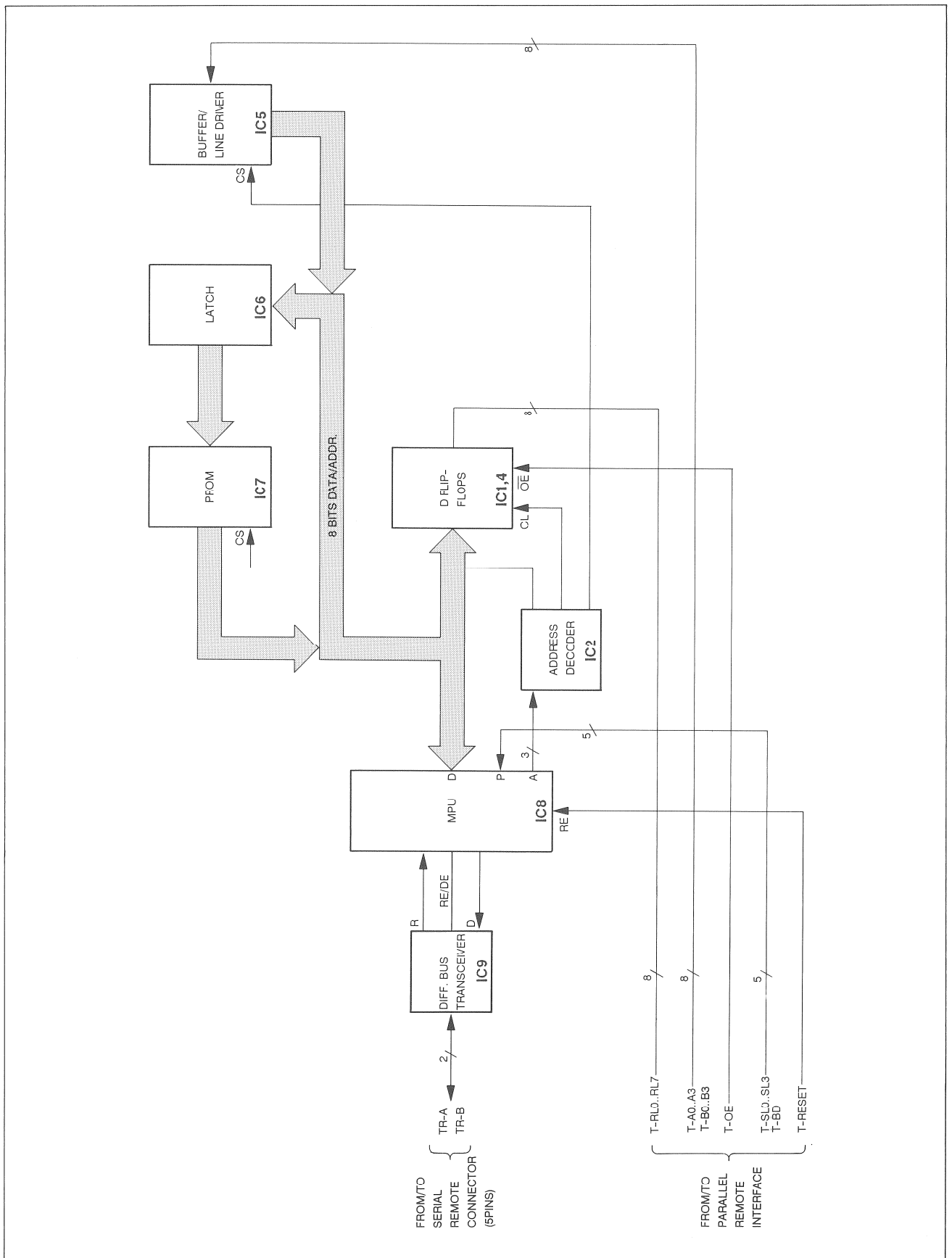
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
F...	8	54.01.0020	Connector	1 contact , 63x.63, H=5, B=3,4	
F...	9	54.01.0020	Connector	1 contact , 63x.63, H=5, B=3,4	
F...	10	54.01.0020	Connector	1 contact , 63x.63, H=5, B=3,4	
F...	11	54.01.0020	Connector	1 contact , 63x.63, H=5, B=3,4	
R...	1	57.11.9151	150 Ohm	2X	
R...	2	57.11.2472	4,7 kOhm	2X	
R...	3	57.11.3102	10 kOhm	2X	
R...	4	57.11.3550	56 Ohm	2X	
R...	5	57.11.3301	100 Ohm	2X	
R...	6	57.11.3301	100 Ohm	2X	
R...	7	57.11.3301	100 Ohm	2X	
R...	8	57.11.3301	100 Ohm	2X	
R...	9	57.11.3301	100 Ohm	2X	
R...	10	57.11.3301	100 Ohm	2X	
R...	11	57.11.3102	1 kOhm	2X	
R...	12	57.11.9151	150 Ohm	2X	
R...	13	57.11.9151	150 Ohm	2X	
R...	14	57.11.9151	150 Ohm	2X	
R...	15	57.11.3302	3,3 kOhm	2X	
R...	16	57.11.9151	150 Ohm	2X	
R...	17	57.11.3151	150 Ohm	2X	
R...	18	57.11.9155	1,5 kOhm	5X	
R...	19	57.11.9155	1,5 kOhm	5X	
R...	20	57.11.9155	1,5 kOhm	5X	
R...	21	57.11.9155	1,5 kOhm	5X	
R...	22	57.11.9155	1,5 kOhm	5X	
R...	23	57.11.9155	1,5 kOhm	5X	
R...	24	57.11.9155	1,5 kOhm	5X	
R...	25	57.11.3104	100 kOhm	2X	
R...	26	57.11.9155	1,5 kOhm	5X	
R...	27	57.11.3102	1 kOhm	2X	
R...	28	57.11.9155	1,5 kOhm	5X	
R...	29	57.11.9155	1,5 kOhm	5X	
R...	30	57.11.9155	1,5 kOhm	5X	
R...	31	57.11.9155	1,5 kOhm	5X	
R...	32	57.11.9155	1,5 kOhm	5X	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...	33	57.11.9155	1,5 kOhm	5X	
R...	34	57.11.9155	1,5 kOhm	5X	
R...	35	57.11.9155	1,5 kOhm	5X	
R...	36	57.11.3302	3,3 kOhm	2X	
RZ...	1	57.88.4103	Network	8 x 10 kOhm 2X single line	
RZ...	2	57.88.2220	Network	4 x 22 Ohm 2X single line	
RZ...	3	57.88.2472	Network	4 x 4,7 kOhm 2X single line	
RZ...	4	57.88.4332	Network	8 x 3,3 kOhm 5X single line	
RZ...	5	57.88.2220	Network	4 x 22 Ohm 2X single line	
RZ...	6	57.88.4332	Network	8 x 3,3 kOhm 5X single line	
RZ...	7	57.88.4103	Network	8 x 10 kOhm 2X single line	
RZ...	8	57.88.2104	Network	4 x 100 kOhm 2X single line	
RZ...	9	57.88.2472	Network	4 x 4,7 kOhm 2X single line	
RZ...	10	57.88.4332	Network	8 x 3,3 kOhm 5X single line	
RZ...	11	57.88.2220	Network	4 x 22 Ohm 2X single line	
RZ...	12	57.88.4725	Network	8 x 4,7 kOhm 2X single line	
RZ...	13	57.88.2104	Network	4 x 100 kOhm 2X single line	
RZ...	14	57.88.4725	Network	8 x 4,7 kOhm 2X single line	
RZ...	15	57.88.2104	Network	4 x 100 kOhm 2X single line	
RZ...	16	57.88.4725	Network	8 x 4,7 kOhm 2X single line	
RZ...	17	57.88.4103	Network	8 x 10 kOhm 2X single line	
RZ...	18	57.88.2472	Network	4 x 4,7 kOhm 2X single line	
RZ...	19	57.88.2104	Network	4 x 100 kOhm 2X single line	
RZ...	20	57.88.4332	Network	8 x 3,3 kOhm 5X single line	
RZ...	21	57.88.4332	Network	8 x 3,3 kOhm 5X single line	
RZ...	22	57.88.2220	Network	4 x 22 Ohm 2X single line	

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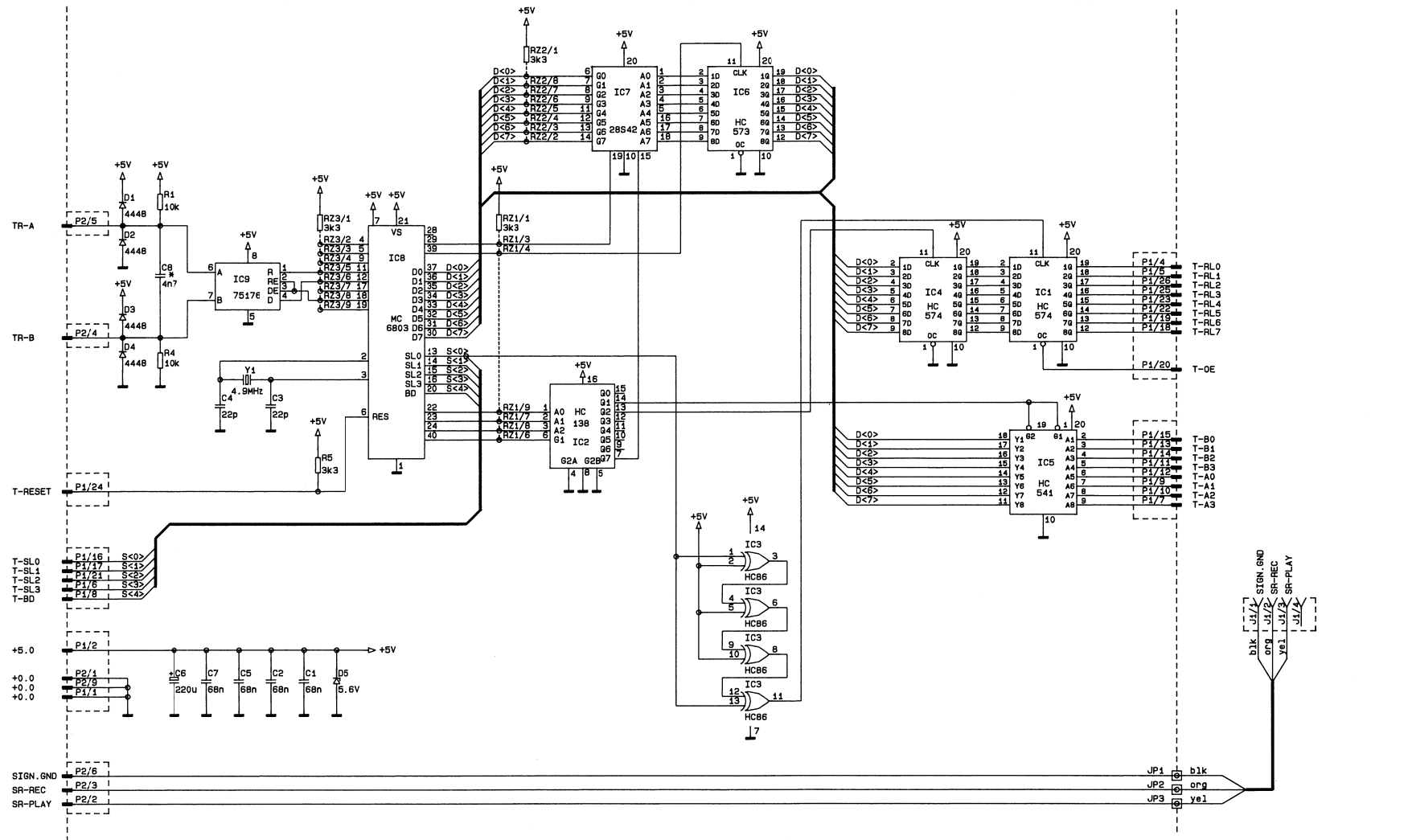
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...	1	59.40.0683	68 nF	-10%	PETP	D...	3	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	11	50.17.1174	74 HC 174	.. 74 HC 174 ..	Met,NS,Ph,RCA,SBS,Ti,T
C...	2	59.40.0104	0,1 uF	-10%	PETP	D...	4	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	12	50.15.0114	LA93747C	LA93747C	NS
C...	3	59.40.0683	68 nF	-10%	PETP	D...	5	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	13	50.17.1374	74 HC 974	.. 74 HC 974 ..	Met,NS,Ph,RCA,SBS,Ti,T
C...	4	59.40.0683	68 nF	-10%	PETP	D...	6	50.04.0125	18 4468			D...	14	50.05.0227	SN 75462P	.. SN 75462P ..	NS
C...	5	59.40.0103	10 nF	-10%	PETP	D...	7	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	15	50.05.0227	SN 75462P	.. SN 75462P ..	NS
C...	6	59.40.0683	68 nF	-10%	PETP	D...	8	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	16	50.05.0227	SN 75462P	.. SN 75462P ..	NS
C...	7	59.40.0104	0,1 uF	-10%	PETP	D...	9	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	17	50.09.0126	4M 20	4M 20	NS
C...	8	59.40.0104	0,1 uF	-10%	PETP	D...	10	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	18	50.11.0104	LM 339 AM	.. LM 339 AM ..	NS,Not
C...	9	59.40.0104	0,1 uF	-10%	PETP	D...	11	50.04.0125	18 4468			D...	19	50.05.0227	SN 75462P	.. SN 75462P ..	NS
C...	10	59.40.0683	68 nF	-10%	PETP	D...	12	50.04.0125	18 4468			D...	20	50.05.0227	SN 75462P	.. SN 75462P ..	NS
C...	11	59.40.0683	68 nF	-10%	PETP	D...	13	50.04.0125	18 4468			D...	21	50.17.1139	74 HC 139	.. 74 HC 139 ..	Met,NS,Ph,RCA,SBS,Ti,T
C...	12	59.40.0104	0,1 uF	-10%	PETP	D...	14	50.04.0125	18 4468			D...	22	50.06.0156	74 LS 156	.. 74 LS 156 ..	NS
C...	13	59.40.0104	0,1 uF	-10%	PETP	D...	15	50.04.0125	18 4468			D...	23	50.15.0104	MC 3486 P	.. MC 3486 P ..	NS
C...	14	59.40.0683	68 nF	-10%	PETP	D...	16	50.04.0125	18 4468			D...	24	50.05.0227	SN 75462P	.. SN 75462P ..	NS
C...	15	59.40.0683	68 nF	-10%	PETP	D...	17	50.04.0125	18 4468			D...	25	50.17.7245	74ACT 245	.. 74ACT 245 ..	NS
C...	16	59.40.0683	68 nF	-10%	PETP	D...	18	50.04.0125	18 4468			D...	26	50.17.1310	74 HC 130	.. 74 HC 130 ..	Met,NS,Ph,RCA,SBS,Ti,T
C...	17	59.45.4101	100 pF	0%	CR	D...	19	50.04.0125	18 4468			D...	27	50.17.1541	74 HC 541	.. 74 HC 541 ..	Met,NS,Ph,RCA,SBS,Ti,T
C...	18	59.40.0104	0,1 uF	-10%	PETP	D...	20	50.04.0125	18 4468			D...	28	50.17.1541	74 HC 541	.. 74 HC 541 ..	Met,NS,Ph,RCA,SBS,Ti,T
C...	19	59.40.0104	0,1 uF	-10%	PETP	D...	21	50.04.0125	18 4468			D...	29	50.11.0104	LM 339 AM	.. LM 339 AM ..	NS
C...	20	59.40.0104	0,1 uF	-10%	PETP	D...	22	50.04.0125	18 4468			D...	30	50.11.0104	LM 339 AM	.. LM 339 AM ..	NS
C...	21	59.40.0104	0,1 uF	-10%	PETP	D...	23	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	31	50.11.0104	LM 317 T	.. LM 317 T ..	NS,Not,Ti,T
C...	22	59.40.0104	0,1 uF	-10%	PETP	D...	24	50.04.0125	18 4468			D...	32	50.11.0104	LM 317 T	.. LM 317 T ..	NS,Not,Ti,T
C...	23	59.22.8471	470 nF	-20%	10V, RL	D...	25	50.04.1108	5,6 V 2	82288 C 5V6, 82X55 C 5V6, 22P 5,6	IT,Se	D...	33	50.16.0111	IP 879-P	.. H51 879-P ..	NS
C...	24	59.40.0683	68 nF	-10%	PETP	D...	26	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	34	50.17.1310	74 HC 130	.. 74 HC 130 ..	NS
C...	25	59.40.0683	68 nF	-10%	PETP	D...	27	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	35	50.11.0104	LM 339 AM	.. LM 339 AM ..	NS
C...	26	59.40.0104	0,1 uF	-10%	PETP	D...	28	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	36	50.11.0104	LM 339 AM	.. LM 339 AM ..	NS
C...	27	59.40.0683	68 nF	-10%	PETP	D...	29	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	37	50.11.0104	LM 317 T	.. LM 317 T ..	NS
C...	28	59.41.1670	47 uF	-20%	40V, RL	D...	30	50.04.0125	18 4468			D...	38	50.10.0104	LM 317 T	.. LM 317 T ..	NS
C...	29	59.42.1220	22 uF	-20%	10V, RL	D...	31	50.04.0125	18 4468			D...	39	50.04.0127	BAT 85	BAS 40-02	Ph.Si
C...	30	59.40.0104	0,1 uF	-10%	PETP	D...	32	50.04.0125	18 4468			D...	40	50.04.0127	BAT 85	BAS 40-02	Ph.Si
C...	31	59.40.0104	0,1 uF	-10%	PETP	D...	33	50.04.0125	18 4468			D...	41	50.14.2003	Connector	26 contacts; flat cable	
C...	32	59.40.0104	0,1 uF	-10%	PETP	D...	34	50.04.0125	18 4468			D...	42	54.14.2004	Connector	40 contacts; flat cable	
C...	33	59.40.0104	0,1 uF	-10%	PETP	D...	35	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	43	54.14.2003	Connector	26 contacts; flat cable	
C...	34	59.40.0104	0,1 uF	-10%	PETP	D...	36	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	44	54.14.2003	Connector	26 contacts; flat cable	
C...	34	59.40.0103	10 nF	-10%	PETP	D...	37	50.04.0127	BAT 85	BAS 40-02	Ph.Si	D...	45	54.02.0220	Connector	1 contact , 2,9x0,8; flat	
D...	1	50.04.0122	18 4001	184004	Met	DZ...	1	70.01.0223	B 250 C 000 SI	GI,Mat	D...	46	54.09.0213	Connector	4 contacts; at right, 8W		
D...	2	50.04.0512	18 5810	18 5819	Met	DZ...	1	70.01.0223	B 250 C 000 SI	GI,Mat	D...	47	54.01.0020	Connector	1 contact , .63x.63, H=5, B=3,4		

**BLOCK DIAGRAM
SERIAL REMOTE INTERFACE 1.820.729**





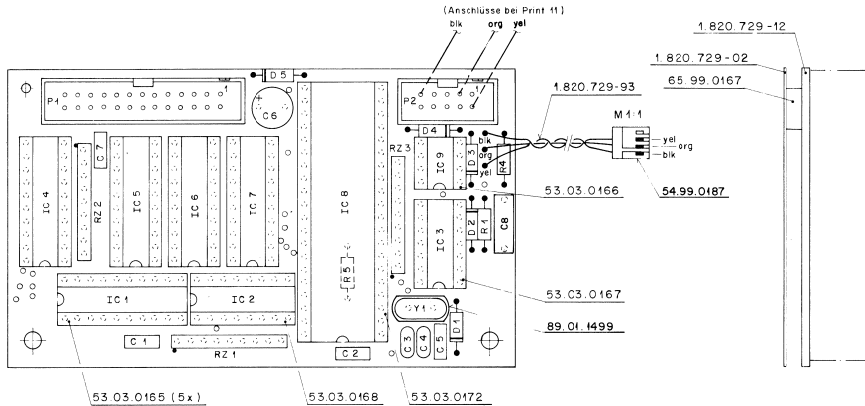
SERIAL REMOTE INTERFACE 1.820.729.25



* = has been modified

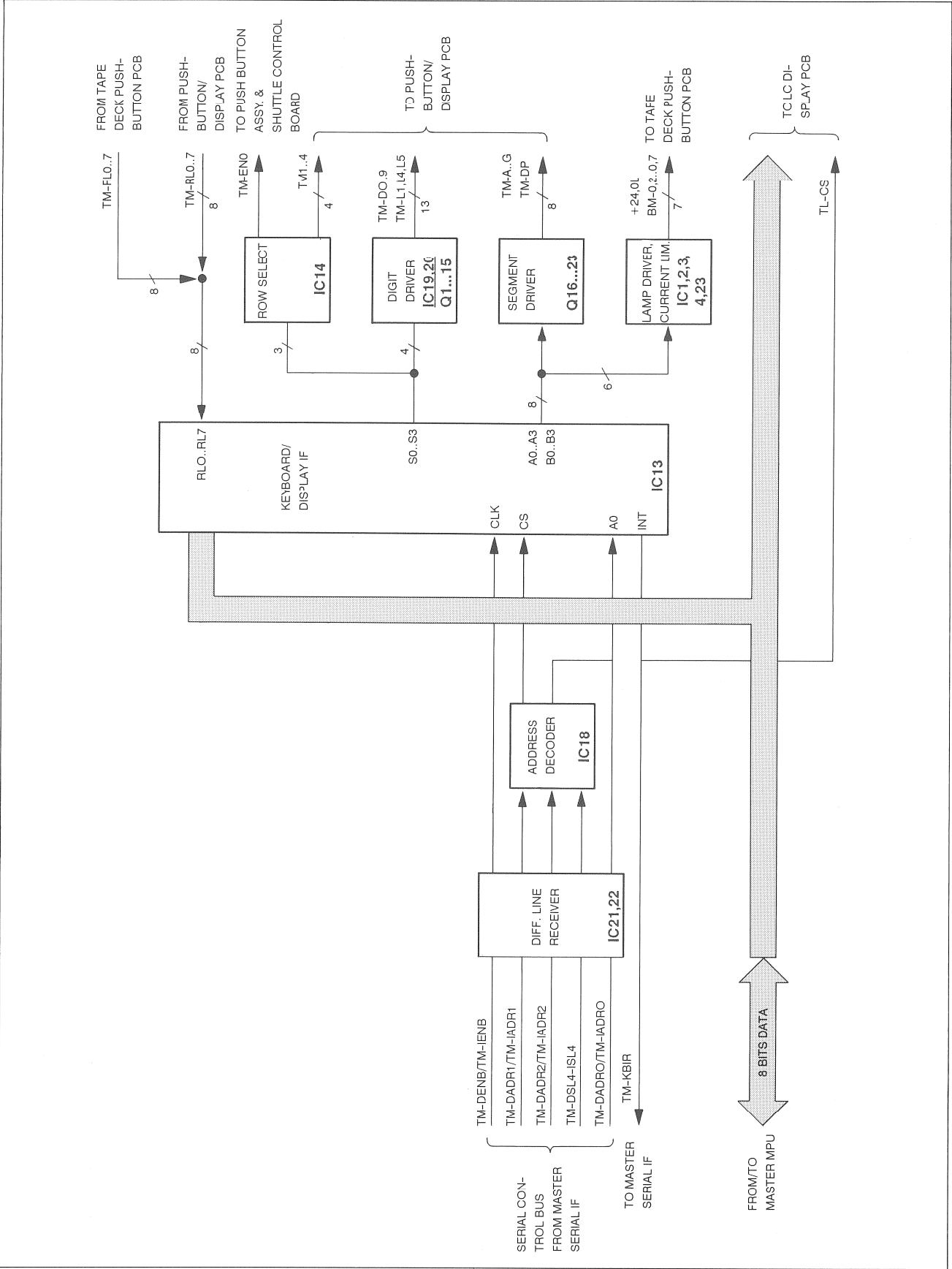
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						A820		PAGE 1 OF 1
STUDER			Serial Remote Interface			SC 1.820.729-25		

SERIAL REMOTE INTERFACE 1.820.729.25



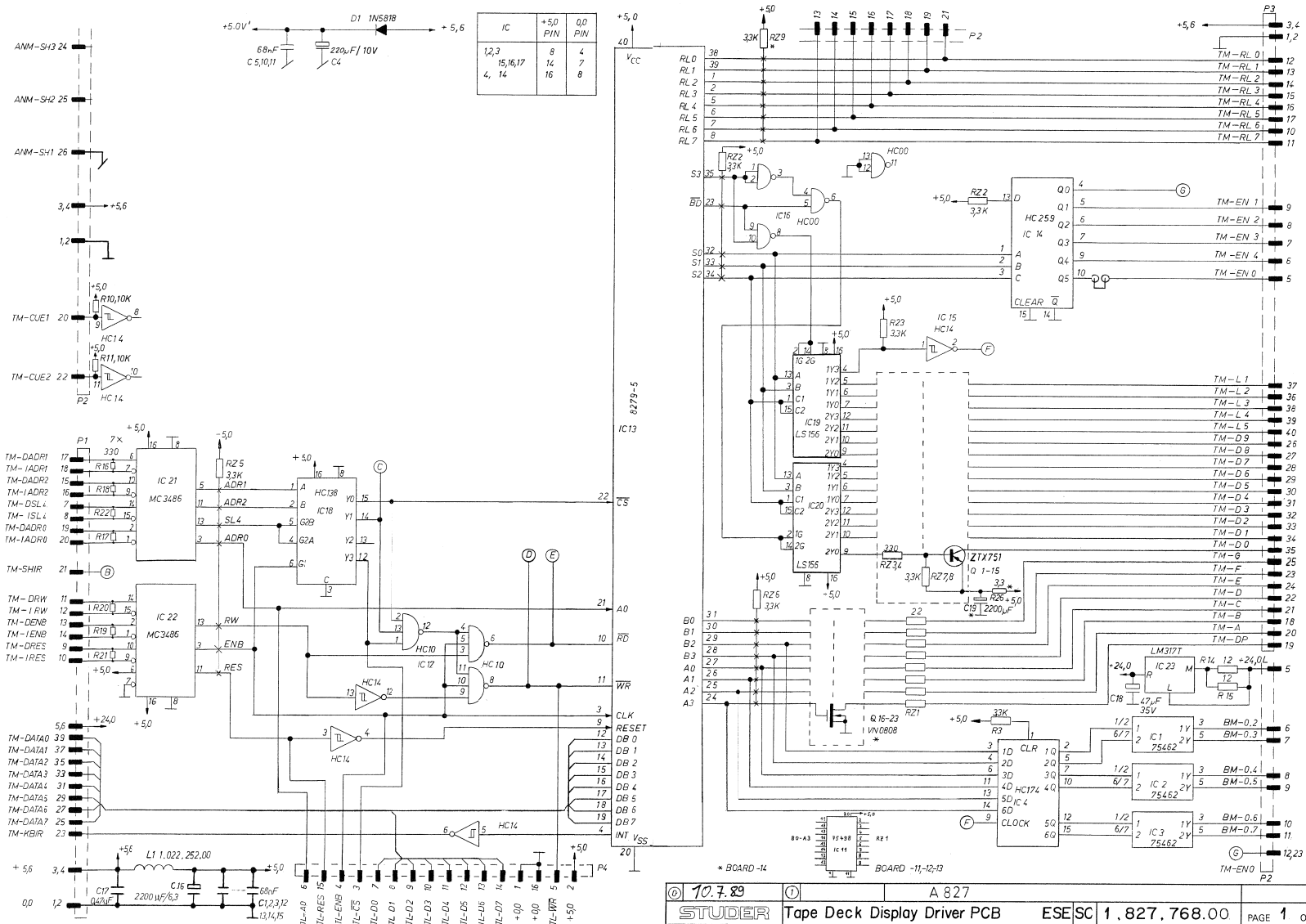
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(20)	C....1	59.40.0683	68nF	10%	PETP	(20)	R....4	57.11.3103	10 kOhm	2%	
(20)	C....2	59.40.0683	68nF	10%	PETP	(20)	R....5	57.11.3032	3.3 kOhm	2%	
(20)	C....3	59.45.2220	22pF	5%	CER	(20)	RZ...1	57.88.4332	Ba3-3kOhm	Network: B = 3.3 kOhm; 5K, single line	
(21)	C....3	59.45.2220	22pF	5%	CER	(20)	RZ...2	57.88.4332	Ba3-3kOhm	Network: B = 3.3 kOhm; 5K, single line	
(20)	C....4	59.45.2220	22pF	5%	CER	(20)	RZ...3	57.88.4332	Ba3-3kOhm	Network: B = 3.3 kOhm; 5K, single line	
(21)	C....4	59.34.2390	39pF	5%	CER	(20)	Y....1	89.01.0553	4.9152 MHz; TD 18		
(20)	C....5	59.40.0683	68nF	10%	PETP	(21)	Y....1	89.01.0560	4.9152 MHz; TD 100 ipm		
(20)	C....6	59.22.3221	220pF	20%	10V EL						
(20)	C....7	59.40.0683	68nF	10%	PETP						
(25)	C....8	59.03.2472	4.7nF	10%	PETP						
(20)	D....1	50.04.0125	184440		For IIT-See; Ph						
(20)	D....2	50.04.0125	184440		For IIT-See; Ph						
(20)	D....3	50.04.0125	184440		For IIT-See; Ph						
(20)	D....4	50.04.0125	184440		For IIT-See; Ph						
(20)	D....5	50.04.1108	5.6V Z	BZX89 C 5V6, BZX55 C 5V6, ZP206-6	IIT-See	(21)	86.12.08		Improved gear accuracy, extension of autolocator key board		
(20)	IC....1	50.17.1374	74HC 574	... 74 IC 574	Ph;Mot;RS;RCA;To;TI	(22)	87.07.13		Software 29/87 (wrong stroke)		
(20)	IC....2	50.17.1138	74HC 138	... 74 IC 138	Met;RS;Ph;RCA;SGS;TI	(23)	87.10.08		Software 41/87		
(20)	IC....3	50.17.1086	74HC 86	... 74 IC 86	Met;RS;Ph;RCA;SGS;TI	(24)	89.04.06		Additional connections to Parallel Remote, SR-PLAY, SE-REC for improved progress time.		
(20)	IC....4	50.17.1374	74HC 574	... 74 IC 574	Ph;Mot;RS;RCA;To;TI	(25)	89.09.25		Improved noise suppression on differential line.		
(20)	IC....5	50.17.1541	74HC 541	... 74 IC 541	Ph;Mot;RS;RCA;To;TI						
(20)	IC....6	50.17.1373	74HC 573	... 74 IC 573	Ph;Met;RCA;To;TI;SGS						
(20)	IC....7	50.14.0120	TB220542M		TI						
(20)	IC....7	1.820.999.20		Software 13/85	St						
(21)	IC....7	1.820.999.21		Software 50/86	St						
(22)	IC....7	1.820.999.22		Software 29/87	St						
(23)	IC....7	1.820.999.23		Software 41/87	St						
(20)	IC....8	50.16.0107	MC6803 P-1	HD 6803P-1	Met;Ri						
(20)	IC....9	50.15.0115	SMT5176 AP	DS 3695 N	TI;NS						
(20)	F....1	54.14.2003	connector	26 contacts; flat cable							
(20)	F....2	54.14.2001	connector	10 contacts; flat cable							
(20)	R....1	57.11.3103	10 kOhm	2%							
(20)	R....2	57.11.3102	1 kOhm	2%							
(20)	R....2		not used	replaced by CR							

BLOCK DIAGRAM
TAPE DECK DISPLAY DRIVER PCB 1.827.768

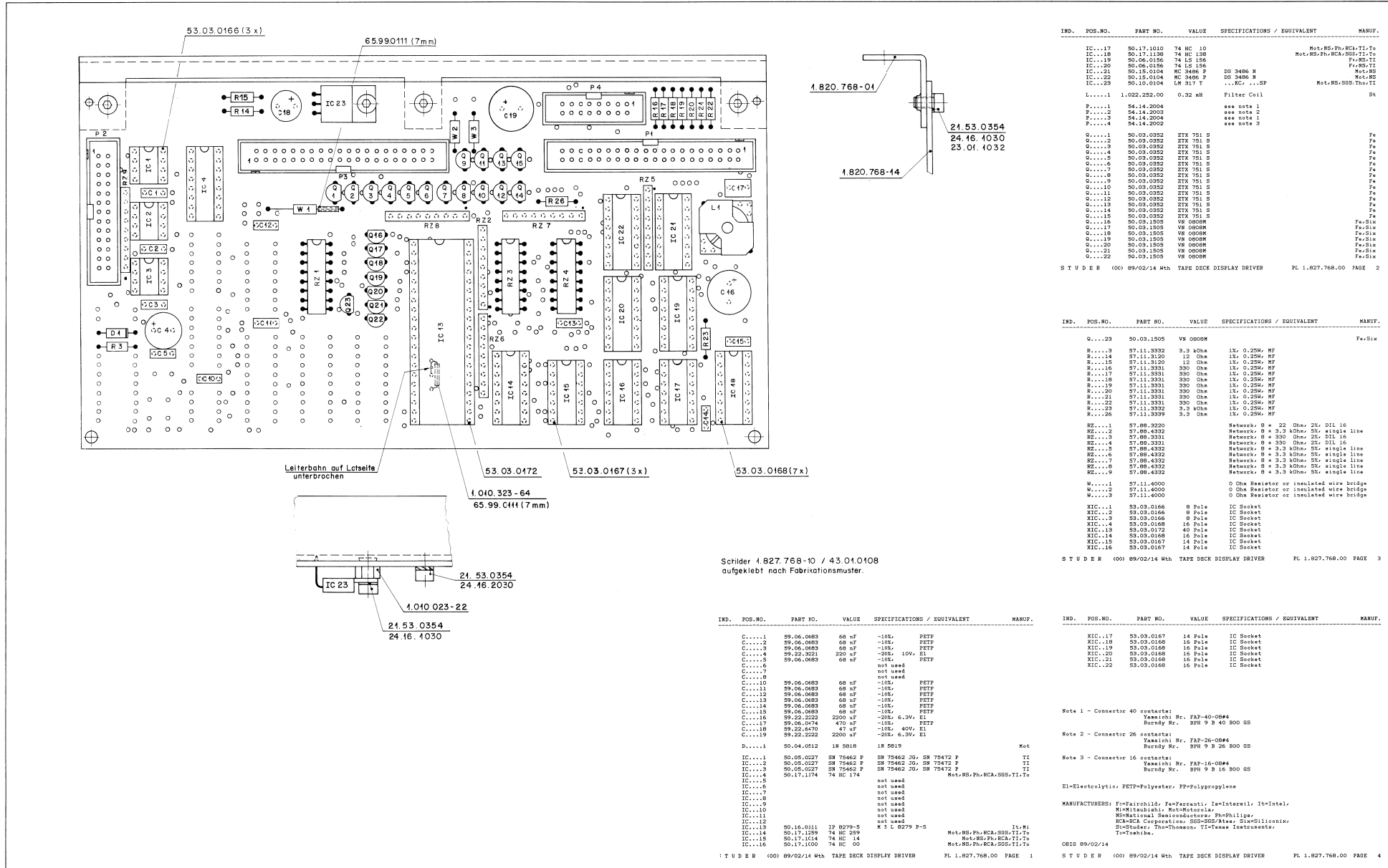




TAPE DECK DISPLAY DRIVER PCB 1.827.768.00



TAPE DECK DISPLAY DRIVER PCB 1.827.768.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...	17	50.17.1010	74 HC 10		Met,RS;Ph;RCA;T;To
IC...	18	50.17.1138	74 HC 138		Met,RS;Ph;RCA;SSS;T;To
IC...	19	50.06.0156	74 LS 156		Fr;RS;TI
IC...	20	50.06.0252	74 LS 156		Fr;RS;TI
IC...	21	50.15.0104	MC 3486 P	DS 3486 B	Met,RS
IC...	22	50.15.0104	MC 3486 P	DS 3486 B	Met,RS
IC...	23	50.10.0104	LM 317 T	..Kc...SP	Met,RS;SSS;The;TI
L...	1	1.022.252.00	0.32 mH	Filter Coil	St
F...	1	54.14.2004		see note 1	
F...	2	54.14.2003		see note 2	
F...	3	54.14.2004		see note 1	
F...	4	54.14.2002		see note 3	
Q...	1	50.03.0352	ZTX 751 S		Fe
Q...	2	50.03.0352	ZTX 751 S		Fe
Q...	3	50.03.0352	ZTX 751 S		Fe
Q...	4	50.03.0352	ZTX 751 S		Fe
Q...	5	50.03.0352	ZTX 751 S		Fe
Q...	6	50.03.0352	ZTX 751 S		Fe
Q...	7	50.03.0352	ZTX 751 S		Fe
Q...	8	50.03.0352	ZTX 751 S		Fe
Q...	9	50.03.0352	ZTX 751 S		Fe
Q...	10	50.03.0352	ZTX 751 S		Fe
Q...	11	50.03.0352	ZTX 751 S		Fe
Q...	12	50.03.0352	ZTX 751 S		Fe
Q...	13	50.03.0352	ZTX 751 S		Fe
Q...	14	50.03.0352	ZTX 751 S		Fe
Q...	15	50.03.0352	ZTX 751 S		Fe
Q...	16	50.03.1505	VM 0808P		Fe;Six
Q...	17	50.03.1505	VM 0808P		Fe;Six
Q...	18	50.03.1505	VM 0808P		Fe;Six
Q...	19	50.03.1505	VM 0808P		Fe;Six
Q...	20	50.03.1505	VM 0808P		Fe;Six
Q...	21	50.03.1505	VM 0808P		Fe;Six
Q...	22	50.03.1505	VM 0808P		Fe;Six

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Q...	23	50.03.1505	VM 0808P		Fe;Six
R...	8	57.11.3332	3.3 kOhm	1%, 0.25W, MF	
R...	14	57.11.3120	12 Ohm	1%, 0.25W, MF	
R...	15	57.11.3120	12 Ohm	1%, 0.25W, MF	
R...	16	57.11.3331	330 Ohm	1%, 0.25W, MF	
R...	17	57.11.3331	330 Ohm	1%, 0.25W, MF	
R...	18	57.11.3331	330 Ohm	1%, 0.25W, MF	
R...	19	57.11.3331	330 Ohm	1%, 0.25W, MF	
R...	20	57.11.3331	330 Ohm	1%, 0.25W, MF	
R...	21	57.11.3331	330 Ohm	1%, 0.25W, MF	
R...	22	57.11.3331	330 Ohm	1%, 0.25W, MF	
R...	23	57.11.3332	3.3 kOhm	1%, 0.25W, MF	
R...	24	57.11.3332	3.3 kOhm	1%, 0.25W, MF	
RZ...	1	57.88.3220		Network, 8 * 22 Ohm, 2%, DIL 16	
RZ...	2	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
RZ...	3	57.88.3331		Network, 8 * 330 Ohm, 2%, DIL 16	
RZ...	4	57.88.3331		Network, 8 * 330 Ohm, 2%, DIL 16	
RZ...	5	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
RZ...	6	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
RZ...	7	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
RZ...	8	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
RZ...	9	57.88.4332		Network, 8 * 3.3 kOhm, 5%, single line	
W...	1	57.11.4000		0 Ohm Resistor or insulated wire bridge	
W...	2	57.11.4000		0 Ohm Resistor or insulated wire bridge	
W...	3	57.11.4000		0 Ohm Resistor or insulated wire bridge	
XIC...	1	53.03.0166	8 Pole	IC Socket	
XIC...	2	53.03.0166	8 Pole	IC Socket	
XIC...	3	53.03.0166	8 Pole	IC Socket	
XIC...	4	53.03.0168	16 Pole	IC Socket	
XIC...	13	53.03.0172	40 Pole	IC Socket	
XIC...	14	53.03.0168	16 Pole	IC Socket	
XIC...	15	53.03.0167	14 Pole	IC Socket	
XIC...	16	53.03.0167	14 Pole	IC Socket	

STUDER (00) 89/02/14 4th TAPE DECK DISPLAY DRIVER PL 1.827.768.00 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...	1	59.06.0683	68 nF	-10%, PETP	
C...	2	59.06.0683	68 nF	-10%, PETP	
C...	3	59.06.0683	68 nF	-10%, PETP	
C...	4	59.22.3231	220 nF	-20%, 10V, EI	
C...	5	59.06.0683	68 nF	-10%, PETP	
C...	6			not used	
C...	7			not used	
C...	8			not used	
C...	10	59.06.0683	68 nF	-10%, PETP	
C...	11	59.06.0683	68 nF	-10%, PETP	
C...	12	59.06.0683	68 nF	-10%, PETP	
C...	13	59.06.0683	68 nF	-10%, PETP	
C...	14	59.06.0683	68 nF	-10%, PETP	
C...	15	59.06.0683	68 nF	-10%, PETP	
C...	16	59.22.2222	2200 nF	-20%, 6.3V, EI	
C...	17	59.06.0674	470 nF	-10%, PETP	
C...	18	59.22.2470	47 nF	-10%, 40V, EI	
C...	19	59.22.2222	2200 nF	-20%, 6.3V, EI	
D...	1	50.04.0512	1W 5818	1W 5819	Met
IC...	1	50.05.0227	SN 75462 P	SN 75462 JG; SN 75472 F	TI
IC...	2	50.05.0227	SN 75462 P	SN 75462 JG; SN 75472 F	TI
IC...	3	50.05.0227	SN 75462 P	SN 75462 JG; SN 75472 F	TI
IC...	4	50.17.1174	74 HC 174		Met,RS;Ph;RCA;SSS;T;To
IC...	5			not used	
IC...	6			not used	
IC...	7			not used	
IC...	8			not used	
IC...	9			not used	
IC...	10			not used	
IC...	11			not used	
IC...	12	50.16.0111	IP 8279-5		It;M
IC...	13	50.17.1159	74 HC 259	M S L 8279 P-5	Met,RS;Ph;RCA;SSS;T;To
IC...	14	50.17.1154	74 HC 14		Met,RS;Ph;RCA;T;To
IC...	15	50.17.1000	74 HC 00		Met,RS;Ph;RCA;SSS;T;To

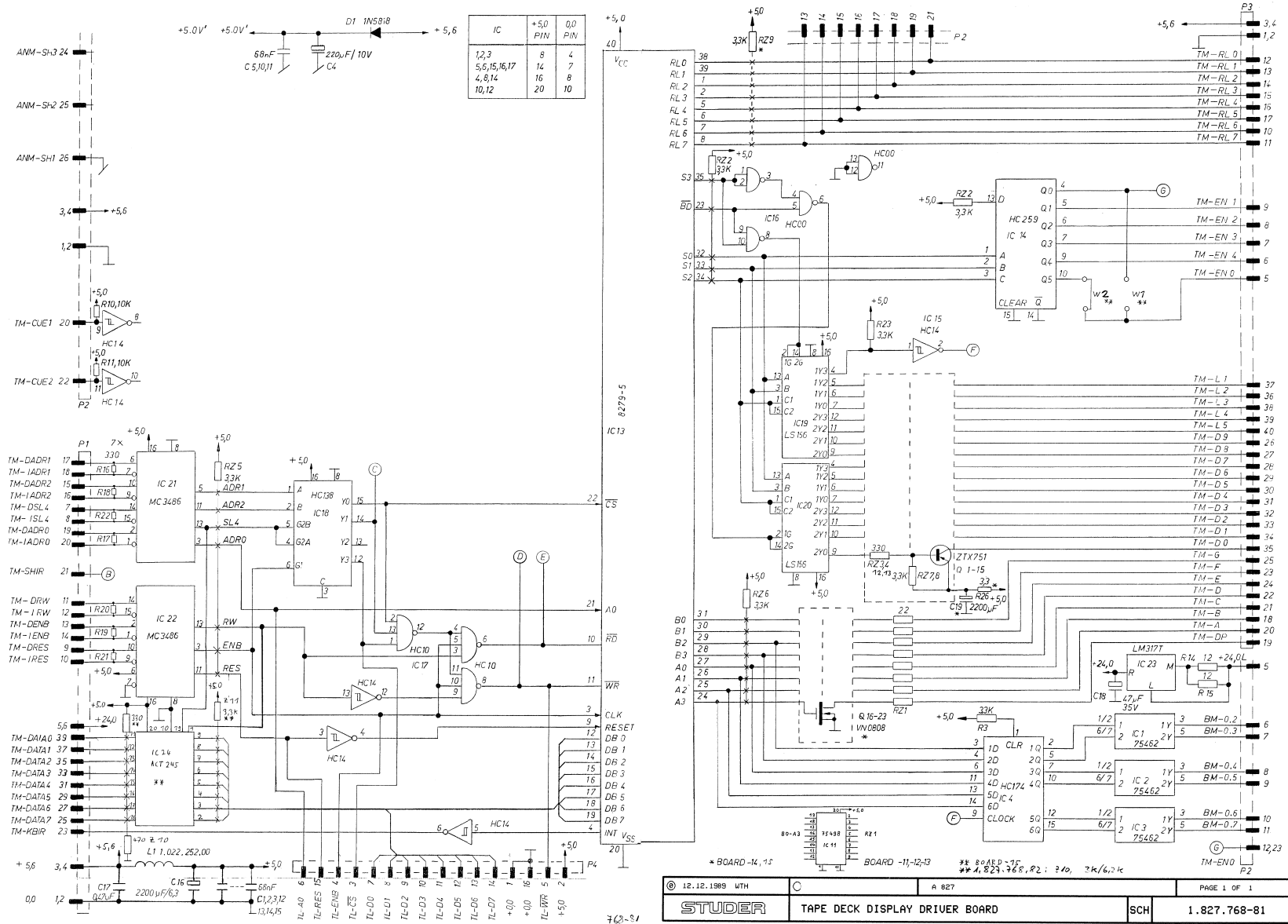
STUDER (00) 89/02/14 4th TAPE DECK DISPLAY DRIVER PL 1.827.768.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
XIC...	17	53.03.0167	14 Pole	IC Socket	
XIC...	18	53.03.0169	16 Pole	IC Socket	
XIC...	19	53.03.0168	16 Pole	IC Socket	
XIC...	20	53.03.0168	16 Pole	IC Socket	
XIC...	21	53.03.0168	16 Pole	IC Socket	
XIC...	22	53.03.0168	16 Pole	IC Socket	
Note 1				Connector: 40 contacts: Yanagichi Nr. JAP-40-09# Bundy Nr. JEP 3 40 800 GS	
Note 2				Connector: 26 contacts: Yanagichi Nr. JAP-26-09# Bundy Nr. JEP 3 26 800 GS	
Note 3				Connector: 16 contacts: Yanagichi Nr. JAP-16-09# Bundy Nr. JEP 3 16 800 GS	
El=				Electrolytic; PETP=Polyester; PP=Polypropylene	
MANUFACTURERS:				F=Fairchild; Fe=Ferranti; I=Intel; It=Intel; M=Mitsubishi; Mo=Motorola; RS=National Semiconductor; Ph=Philips; RCA=RCA Corporation; SGS=SGS/Atas; Si=Siliconix; Si=Siemens; Th=Thomson; TI=Texas Instruments; T= Toshiba.	

STUDER (00) 89/02/14 4th TAPE DECK DISPLAY DRIVER PL 1.827.768.00 PAGE 4



TAPE DECK DISPLAY DRIVER PCB 1.827.768.81

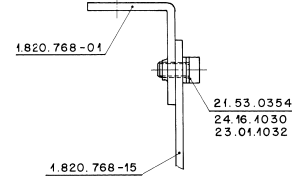
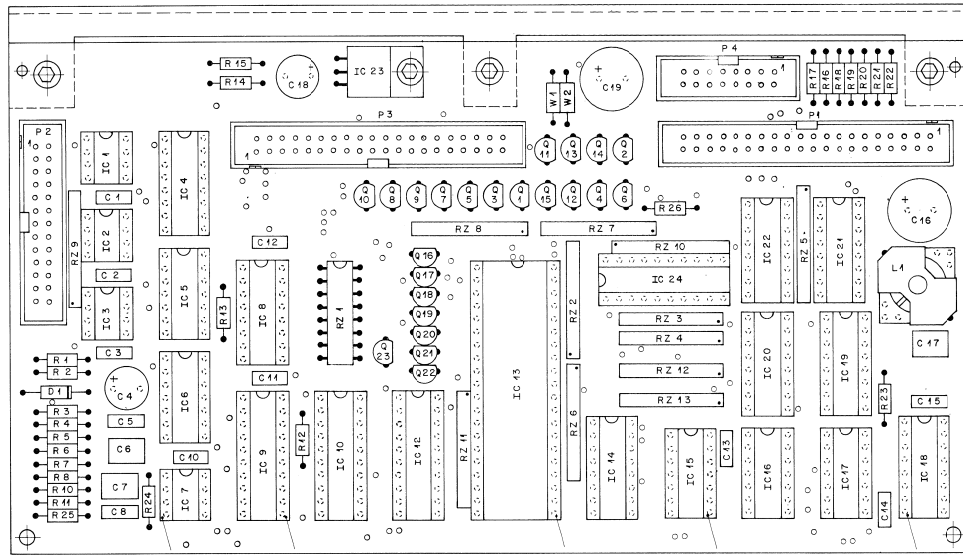


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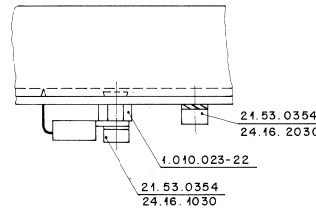
STUDER TAPE DECK DISPLAY DRIVER BOARD SCH 1.827.768-81

* BOARD -14, 15 ** BOARD -11, 12, 13 *** 80AED-75 **** 1.827.768, P2: 2, 40, 7K/6, 2K

TAPE DECK DISPLAY DRIVER PCB 1.827.768.81



53.03.0166 (4x) 53.03.0165 (4x) 53.03.0172 53.03.0167 (5x) 53.03.0168 (8x)



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1	59.06.0683	68 nF	-10%	PETP	
C....2	59.06.0683	68 nF	-10%	PETP	
C....3	59.06.0683	68 nF	-10%	PETP	
C....4	59.20.2221	220 nF	-20%	10V, PETP	
C....5	59.06.0683	68 nF	-10%	PETP	
C....6				not used	
C....7				not used	
C....8				not used	
C....10	59.06.0683	68 nF	-10%	PETP	
C....11	59.06.0683	68 nF	-10%	PETP	
C....12	59.06.0683	68 nF	-10%	PETP	
C....13	59.06.0683	68 nF	-10%	PETP	
C....14	59.06.0683	68 nF	-10%	PETP	
C....15	59.06.0683	68 nF	-10%	PETP	
C....16	59.20.2222	2200 nF	-20%	6.3V, E1	
C....17	59.36.0474	470 nF	-10%	PETP	
C....18	59.22.0470	47 nF	-10%	40V, E1	
C....19	59.22.2222	2200 nF	-20%	6.3V, E1	
D....1	50.04.0512	1W 5819		IN 5819	Not
IC....1	50.05.0227	SN 75462 P	SN 75462 3P, SN 75472 P		T1
IC....2	50.05.0227	SN 75462 P	SN 75462 3P, SN 75472 P		T1
IC....3	50.05.0227	SN 75462 P	SN 75462 3P, SN 75472 P		T1
IC....4	50.17.1174	74 HC 174		74 HC 174	Not, NS, Pn, RCA, SGS, TI, Te
IC....5				not used	
IC....6				not used	
IC....7				not used	
IC....8				not used	
IC....9				not used	
IC....10				not used	
IC....11				not used	
IC....12				not used	
IC....13	50.16.0111	1P 8279-S	M 5 L 8279 P-S		Te, Ri
IC....14	50.17.1239	74 HC 239			Not, NS, Pn, RCA, SGS, TI, Te
IC....15	50.17.1014	74 HC 14			Not, NS, Pn, RCA, SGS, TI, Te
IC....16	50.17.1000	74 HC 00			Not, NS, Pn, RCA, SGS, TI, Te

STUDER (00) 90/01/04 Mch TAPE DECK DISPLAY DRIVER PL 1.827.768.81 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC....17	50.17.1010	74 HC 10			Not, NS, Pn, RCA, TI, Te
IC....18	50.17.1198	74 HC 158			Not, NS, Pn, RCA, SGS, TI, Te
IC....19	50.06.0156	74 LS 156			Not, NS, Pn, RCA, TI, Te
IC....20	50.06.0156	74 LS 156			Not, NS, Pn, RCA, TI, Te
IC....21	50.15.0134	MC 3486 P	DS 3486 M		Not, NS
IC....22	50.15.0134	MC 3486 P	DS 3486 M		Not, NS
IC....23	50.10.0134	LM 317 T	...DC...SF		Not, NS, SGS, Tho, TI
IC....24	50.17.1245	74ACT 245			RCA, Te
F....1	1.022.252.20	0.22 nH		Filter Coil	St
F....2	54.14.2024			note note 1	
F....3	54.14.2023			note note 2	
F....4	54.14.2024			note note 3	
G....1	50.03.0362	2TX 751 S			Fe
G....2	50.03.0362	2TX 751 S			Fe
G....3	50.03.0362	2TX 751 S			Fe
G....4	50.03.0362	2TX 751 S			Fe
G....5	50.03.0362	2TX 751 S			Fe
G....6	50.03.0362	2TX 751 S			Fe
G....7	50.03.0362	2TX 751 S			Fe
G....8	50.03.0362	2TX 751 S			Fe
G....9	50.03.0362	2TX 751 S			Fe
G....10	50.03.0362	2TX 751 S			Fe
G....11	50.03.0362	2TX 751 S			Fe
G....12	50.03.0362	2TX 751 S			Fe
G....13	50.03.0362	2TX 751 S			Fe
G....14	50.03.0362	2TX 751 S			Fe
G....15	50.03.0362	2TX 751 S			Fe
G....16	50.03.1505	V8 OBDM			Fe, Six
G....17	50.03.1505	V8 OBDM			Fe, Six
G....18	50.03.1505	V8 OBDM			Fe, Six
G....19	50.03.1505	V8 OBDM			Fe, Six
G....20	50.03.1505	V8 OBDM			Fe, Six
G....21	50.03.1505	V8 OBDM			Fe, Six

STUDER (00) 90/01/04 Mch TAPE DECK DISPLAY DRIVER PL 1.827.768.81 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
G....22	50.03.1505	V8 OBDM			Fe, Six
G....23	50.03.1505	V8 OBDM			Fe, Six
R....3	57.11.3332	3.3 kOhm		1% 0.25W, MF	
R....10	57.11.3103	10 kOhm		1% 0.25W, MF	
R....11	57.11.3120	10 kOhm		1% 0.25W, MF	
R....14	57.11.3120	10 kOhm		1% 0.25W, MF	
R....15	57.11.3120	10 kOhm		1% 0.25W, MF	
R....16	57.11.3331	330 Ohm		1% 0.25W, MF	
R....17	57.11.3331	330 Ohm		1% 0.25W, MF	
R....18	57.11.3331	330 Ohm		1% 0.25W, MF	
R....19	57.11.3331	330 Ohm		1% 0.25W, MF	
R....20	57.11.3331	330 Ohm		1% 0.25W, MF	
R....21	57.11.3331	330 Ohm		1% 0.25W, MF	
R....22	57.11.3331	330 Ohm		1% 0.25W, MF	
R....23	57.11.3332	3.3 kOhm		1% 0.25W, MF	
R....26	57.11.3339	3.3 Ohm		1% 0.25W, MF	
RZ....1	57.88.4320	Network 8	22 Ohm, 2%, DIL 16		
RZ....2	57.88.4320	Network 8	3.3 kOhm, 2%, SIP 8		
RZ....3	57.88.2331	Network 4	330 Ohm, 2%, SIP 8		
RZ....4	57.88.2331	Network 4	330 Ohm, 2%, SIP 8		
RZ....5	57.88.4332	Network 8	3.3 kOhm, 2%, SIP 9		
RZ....6	57.88.4332	Network 8	3.3 kOhm, 2%, SIP 9		
RZ....7	57.88.4332	Network 8	3.3 kOhm, 2%, SIP 9		
RZ....8	57.88.4332	Network 8	3.3 kOhm, 2%, SIP 9		
RZ....9	57.88.4332	Network 8	3.3 kOhm, 2%, SIP 9		
RZ....10	57.88.4001	Network 8	470/330 Ohm, 2%, SIP10		
RZ....11	57.88.4332	Network 8	3.3 kOhm, 2%, SIP 9		
RZ....12	57.88.2331	Network 4	330 Ohm, 2%, SIP 8		
RZ....13	57.88.2331	Network 4	330 Ohm, 2%, SIP 8		
W....1				not used	
W....2	57.11.3000			0 Ohm Resistor or insulated wire bridge	
XIC....1	53.03.0166	8 Pole		IC Socket	
XIC....2	53.03.0166	8 Pole		IC Socket	

STUDER (00) 90/01/04 Mch TAPE DECK DISPLAY DRIVER PL 1.827.768.81 PAGE 3

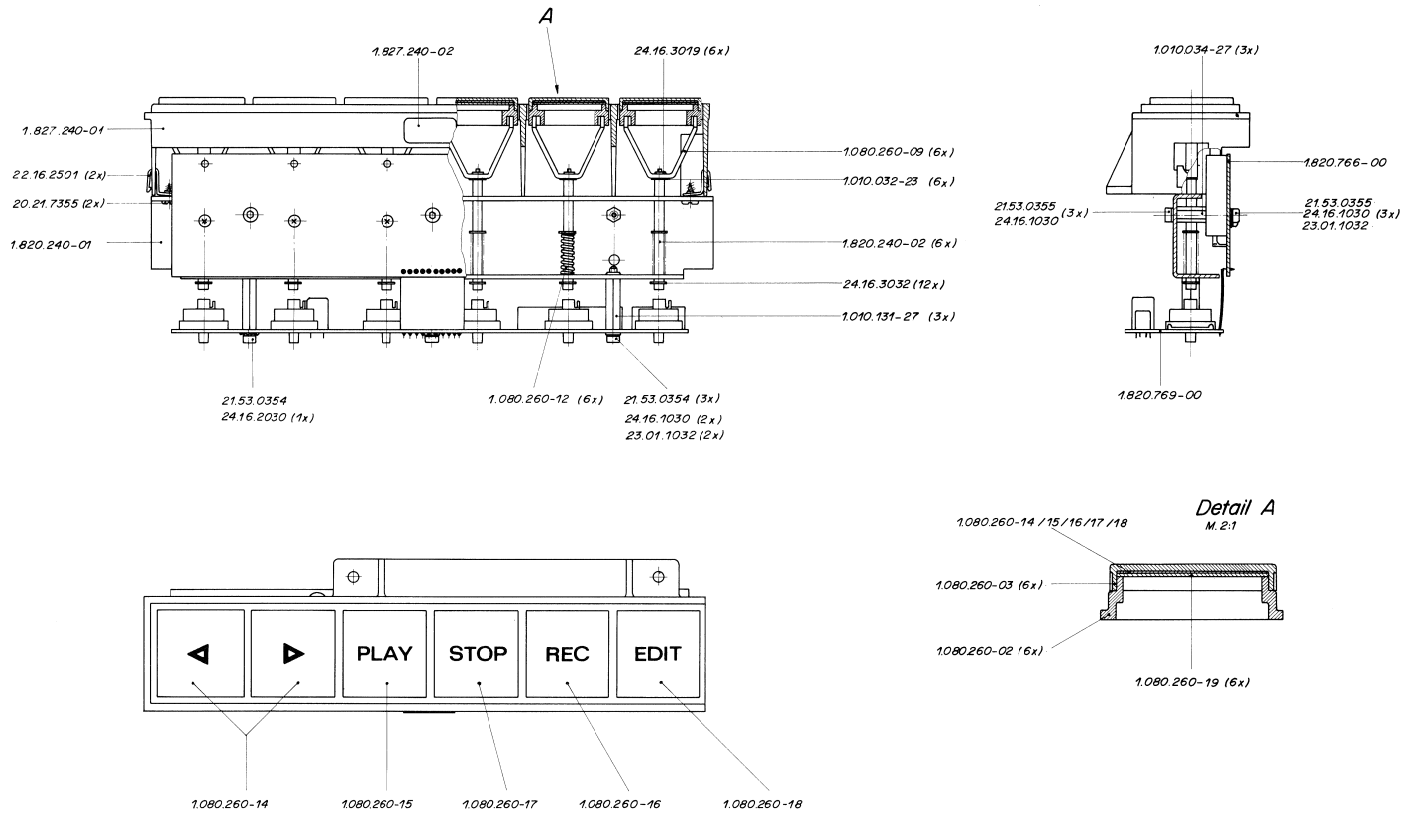
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
XIC....3	53.03.0166	8 Pole		IC Socket	
XIC....4	53.03.0168	16 Pole		IC Socket	
XIC....13	53.03.0172	40 Pole		IC Socket	
XIC....14	53.03.0168	16 Pole		IC Socket	
XIC....15	53.03.0167	14 Pole		IC Socket	
XIC....16	53.03.0167	14 Pole		IC Socket	
XIC....17	53.03.0167	14 Pole		IC Socket	
XIC....18	53.03.0168	16 Pole		IC Socket	
XIC....19	53.03.0168	16 Pole		IC Socket	
XIC....20	53.03.0168	16 Pole		IC Socket	
XIC....21	53.03.0168	16 Pole		IC Socket	
XIC....22	53.03.0168	16 Pole		IC Socket	
XIC....24	53.03.0165	20 Pole		IC Socket	

STUDER (00) 90/01/04 Mch TAPE DECK DISPLAY DRIVER PL 1.827.768.81 PAGE 4

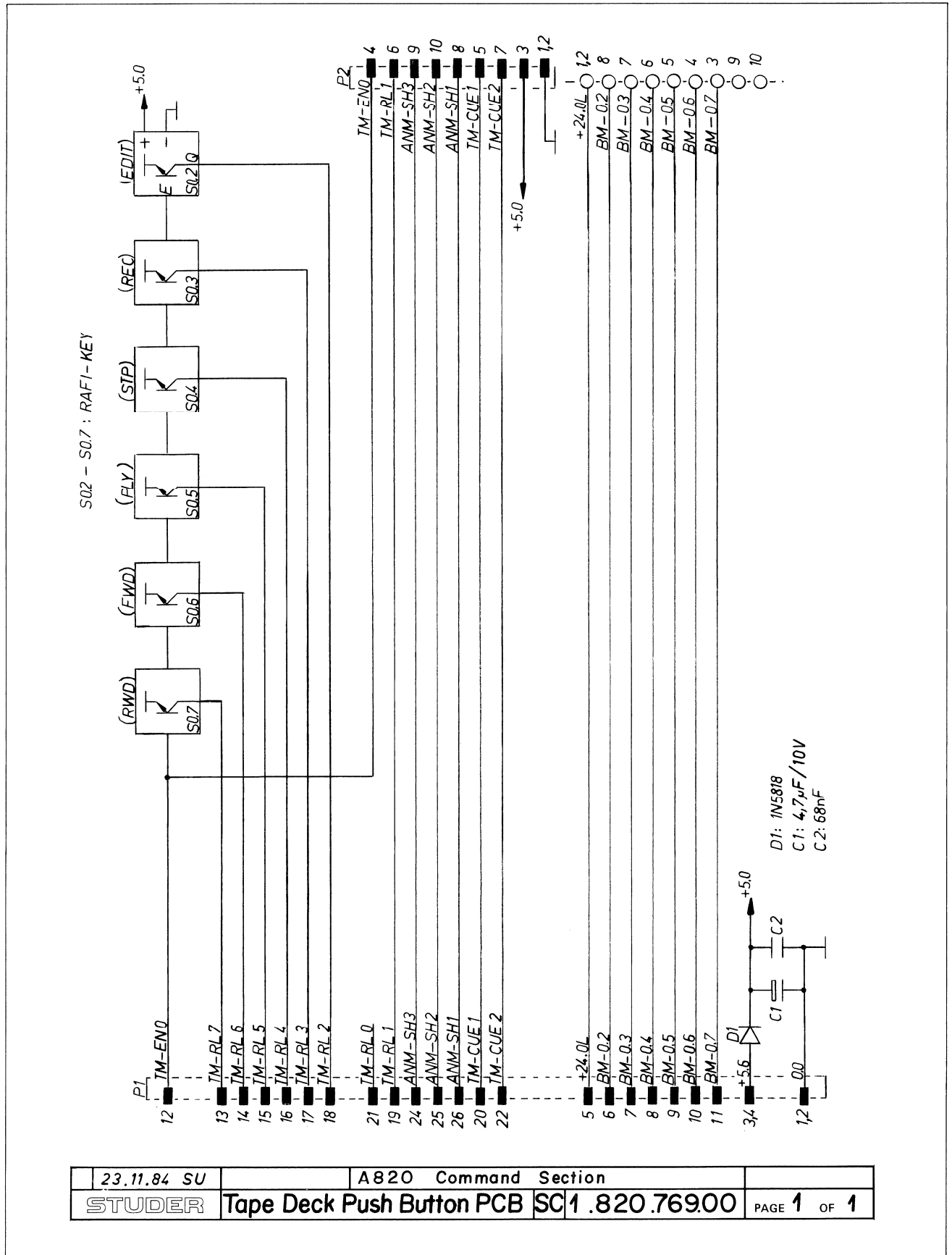
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1	-	Connector 40 contacts:			
		Yamaichi Nr. FAX-40-08#4			
		Burdyny Nr. BPH 9 B 40 300 GS			
Note 2	-	Connector 26 contacts:			
		Yamaichi Nr. FAX-26-08#4			
		Burdyny Nr. BPH 9 B 26 300 GS			
Note 3	-	Connector 16 contacts:			
		Yamaichi Nr. FAX-16-08#4			
		Burdyny Nr. BPH 9 B 16 300 GS			
El=Electrolytic; PETP=Polyester; PP=Polypolypropylene					
MANUFACTURERS: Fe=Fairchild; Fa=Faranti; Is=Intel; Int=Intel;					
M=Motorola; Me=Motorola;					
N=National Semiconductor; Ph=Philips;					
RCA=RCA Corporation; SGS=SGS/Atmel; Si=Siemens;					
St=Studer; Tho=Thomson; TI=Texas Instruments;					
Te=Teledia.					

STUDER (00) 90/01/04 Mch TAPE DECK DISPLAY DRIVER PL 1.827.768.81 PAGE 5

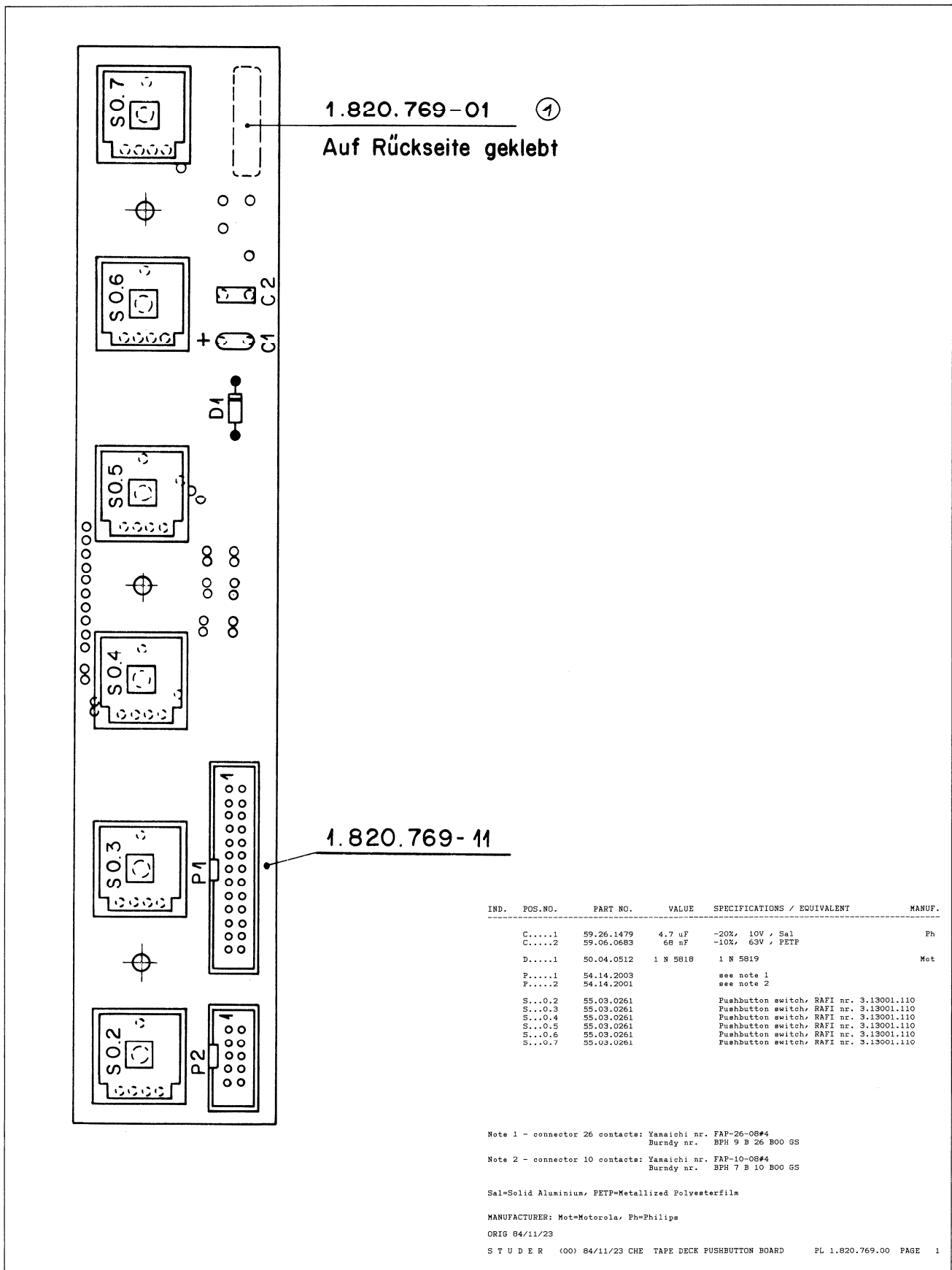
PUSH BUTTON ASSEMBLY 1.827.240.00



TAPE DECK PUSH BUTTON PCB 1.820.769.00



TAPE DECK PUSH BUTTON PCB 1.820.769.00



1.820.769-01 ①
Auf Rückseite geklebt

1.820.769-11

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.26.1479	4,7 uF	-20%, 10V, Sal	Ph
C.....2		59.06.0683	68 nF	-10%, 50V, PETP	
D.....1		50.04.0512	1 N 5818	1 N 5819	Mot
P.....1		54.14.2003		see note 1	
P.....2		54.14.2001		see note 2	
S...0.2		55.03.0261		Pushbutton switch/ RAFI nr. 3.13001.110	
S...0.3		55.03.0261		Pushbutton switch/ RAFI nr. 3.13001.110	
S...0.4		55.03.0261		Pushbutton switch/ RAFI nr. 3.13001.110	
S...0.5		55.03.0261		Pushbutton switch/ RAFI nr. 3.13001.110	
S...0.6		55.03.0261		Pushbutton switch/ RAFI nr. 3.13001.110	
S...0.7		55.03.0261		Pushbutton switch/ RAFI nr. 3.13001.110	

Note 1 - connector 26 contacts: Yamaichi nr. FAP-26-08#4
Burndy nr. BPH 9 B 26 B00 GS

Note 2 - connector 10 contacts: Yamaichi nr. FAP-10-08#4
Burndy nr. BPH 7 B 10 B00 GS

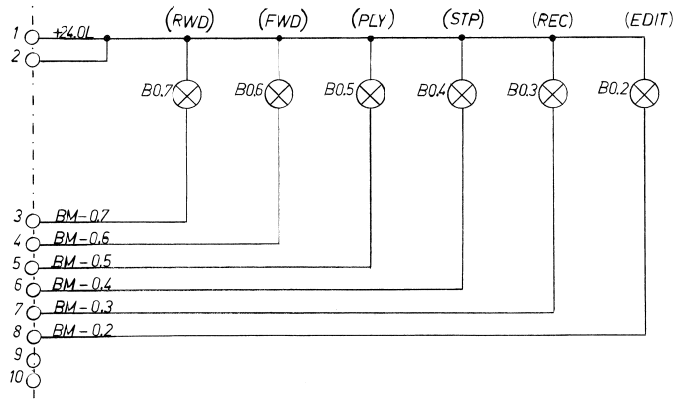
Sal=Solid Aluminium, PETP=Metallized Polyesterfilm

MANUFACTURER: Mot=Motorola, Ph=Philips

ORIG 84/11/23

STUDER (00) 84/11/23 CHE TAPE DECK PUSHBUTTON BOARD PL 1.820.769.00 PAGE 1

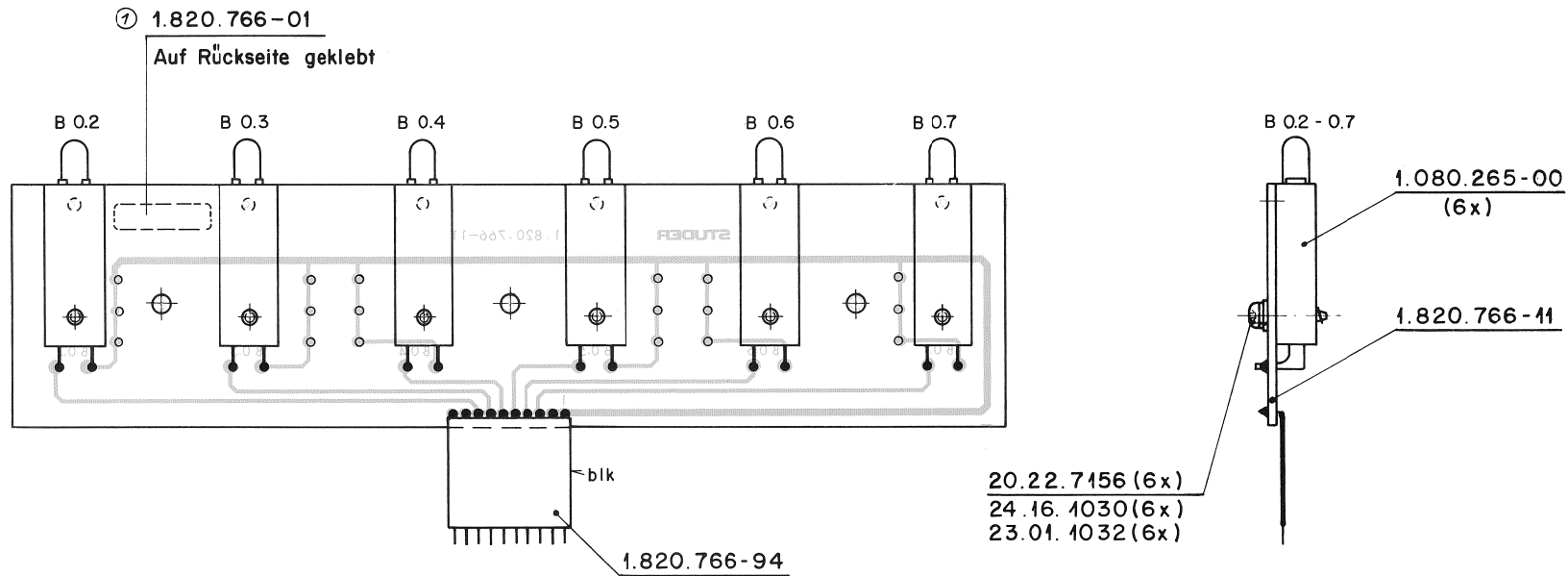
TAPE DECK INDICATOR PCB 1.820.766.00



B0.2 - B0.7: 24V / 0.04A T5.5
 XB0.2 - XB0.7: LAMP HOLDER

23.11.84 R.SUTER	A 820 Command Section	
STUDER	Tape Deck Indicator PCB SC1.820.766.00	PAGE 1 OF 1

TAPE DECK INDICATOR PCB 1.820.766.00



IND.	PDS-NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
B***02	31.02.0135	24 V	SRP note 1		
B***03	31.02.0135	24 V	SRP note 1		
B***04	31.02.0135	24 V	SRP note 1		
B***05	31.02.0135	24 V	SRP note 1		
B***06	31.02.0135	24 V	SRP note 1		
B***07	31.02.0135	24 V	SRP note 1		
X3***02	1.080.265-00		lamp holder		ST
X3***03	1.080.265-00		lamp holder		ST
X3***04	1.080.265-00		lamp holder		ST
X3***05	1.080.265-00		lamp holder		ST
X3***06	1.080.265-00		lamp holder		ST
X3***07	1.080.265-00		lamp holder		ST

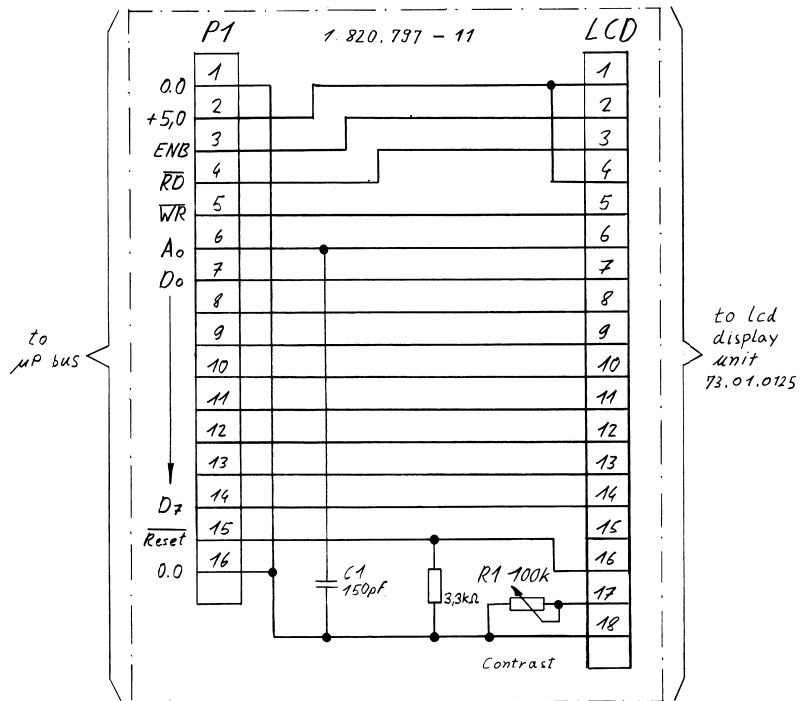
Note 1 - Indicator lamp: Einzellicht Nr. 9530 24 V AC 8A
 95300 Nr. 01 - 552440

MANUFACTURER: St-Studer

DRT: 04/11/83

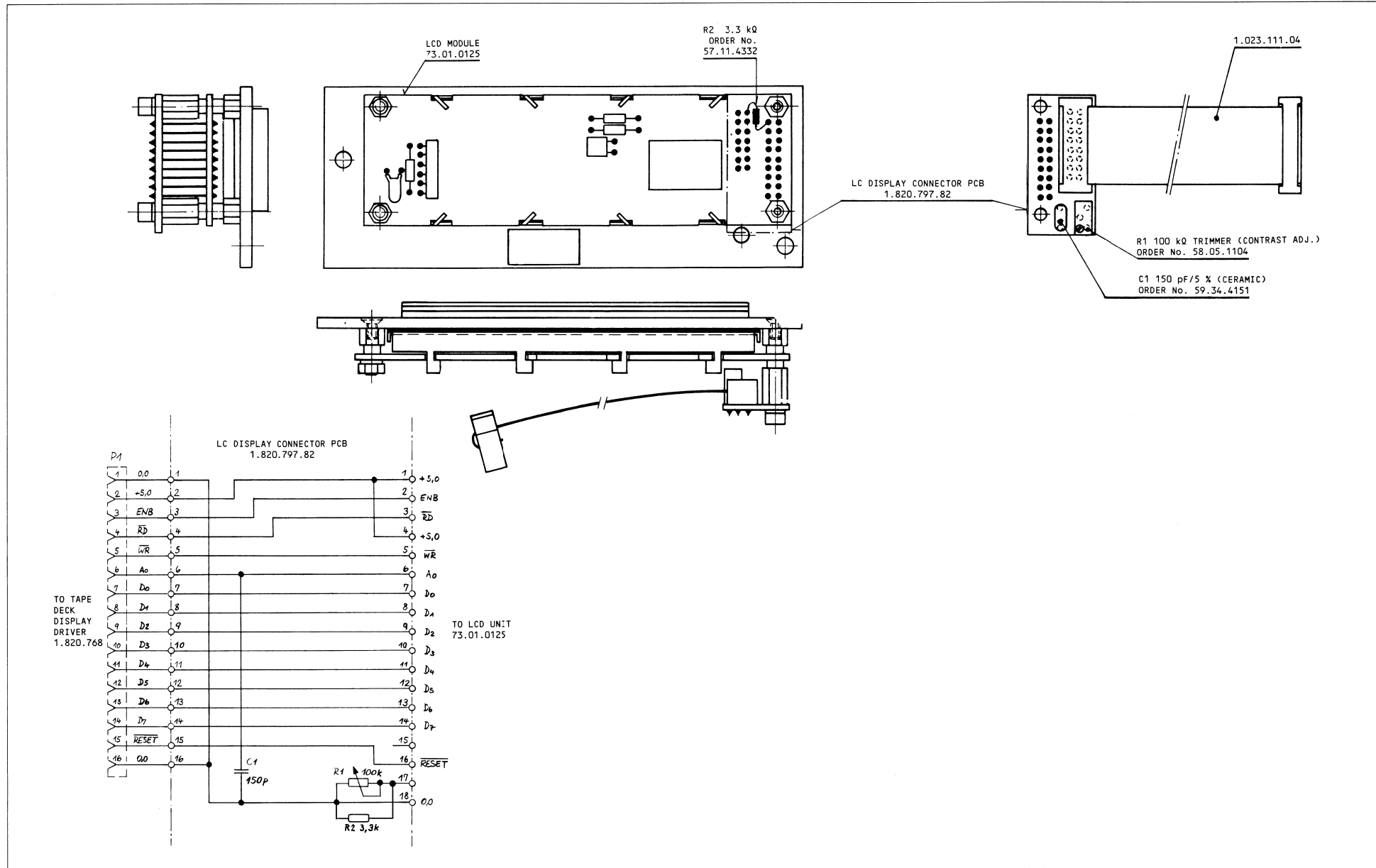
STUDER (07) 05/12/83 CHE TAPE DECK INDICATOR 01ARD PL 1.820.766.00 PAGE 1

DISPLAY CONNECTION BOARD 1.820.233.83



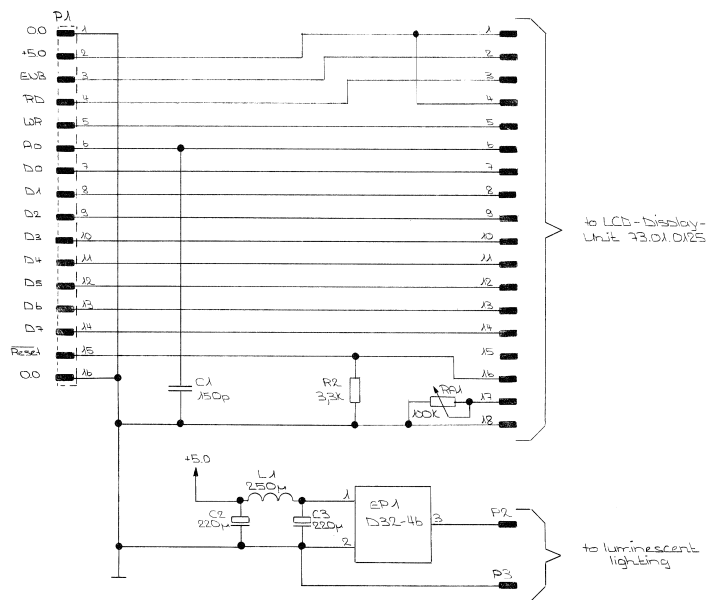
10.5.84 <i>lg</i>	A820		
STUDER	Display Connection Board	1.820.233-83	PAGE 1 OF 1

DISPLAY CONNECTION BOARD 1.820.233.83



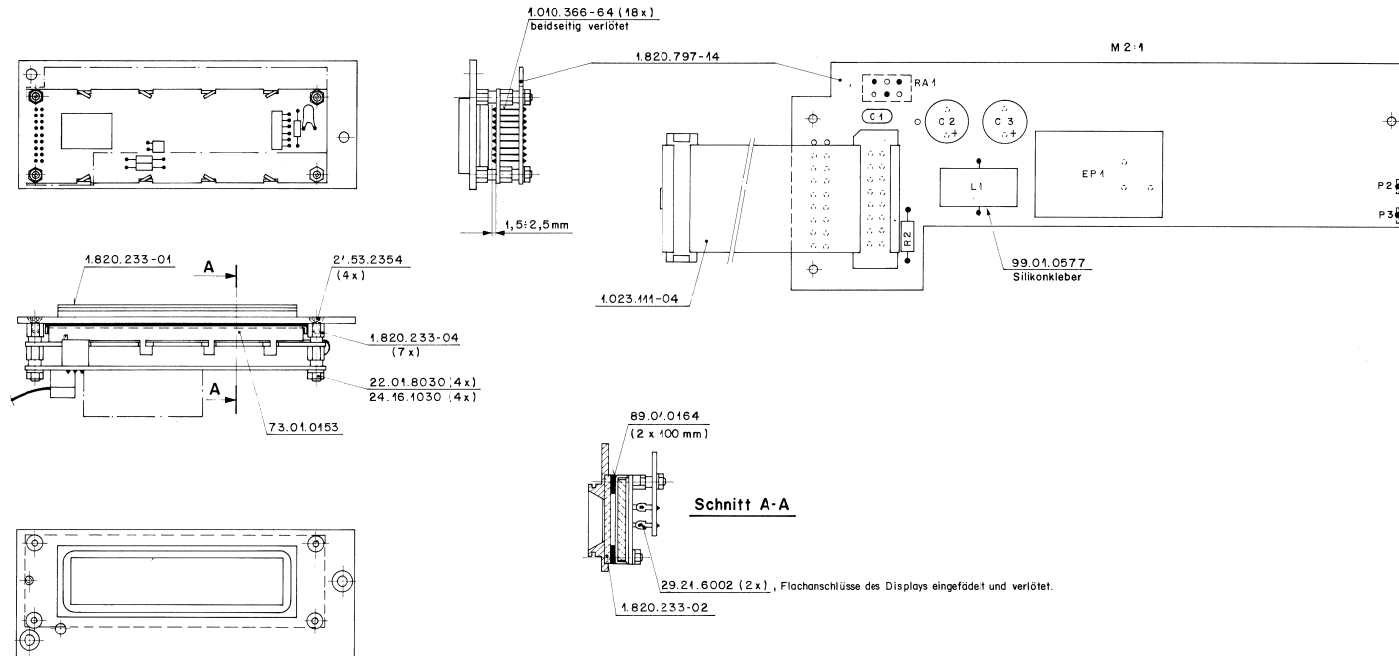


DISPLAY CONNECTION BOARD 1.820.239.81



24.02.82	..	..	..	..
A820	PAGE 1 OF 1			
STUDER	Display Connection Board	SC	1.820.239-81	

DISPLAY CONNECTION BOARD 1.820.239.81



IND.	PCS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MARUF.
C....1	59.94.4151	150 pF	50% 63V, Cer		
C....2	59.22.9221	220 uF	-20% 10V, El		
C....3	59.22.9221	220 uF	-20% 10V, El		
L....1	62.09.0005	250 uH	1 A, Filter coil		
EF....1	73.01.0154		Power Supply (DC-AC) for LCD-Illumination		
RA....1	58.05.1104	100 kOhm	Potentiometer 22-turn, 10% linear		
R....2	57.11.3332	3.3 kOhm	1%		
F....1	1.029.111.05		Connection cable		
F....2	29.21.6002				
F....3	29.21.6002				

Cer=Ceramic; El=Electrolytic

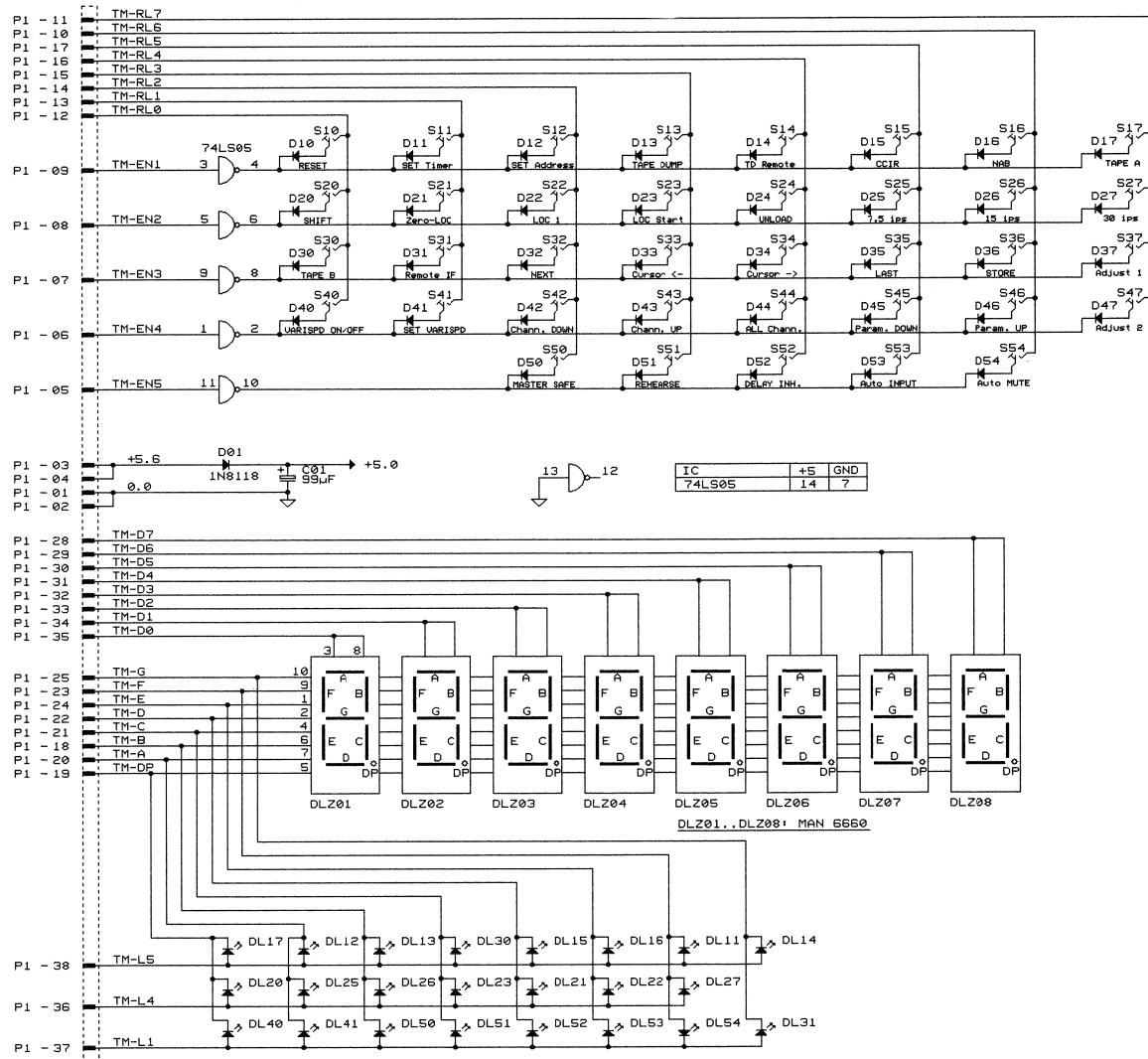
ORIG 89/09/06

S T U D E R (00) 89/09/06 GAI DISPLAY UNIT ILLUMINATED PL 1.820.239.81 PAGE 1

STUDER A827 MCH

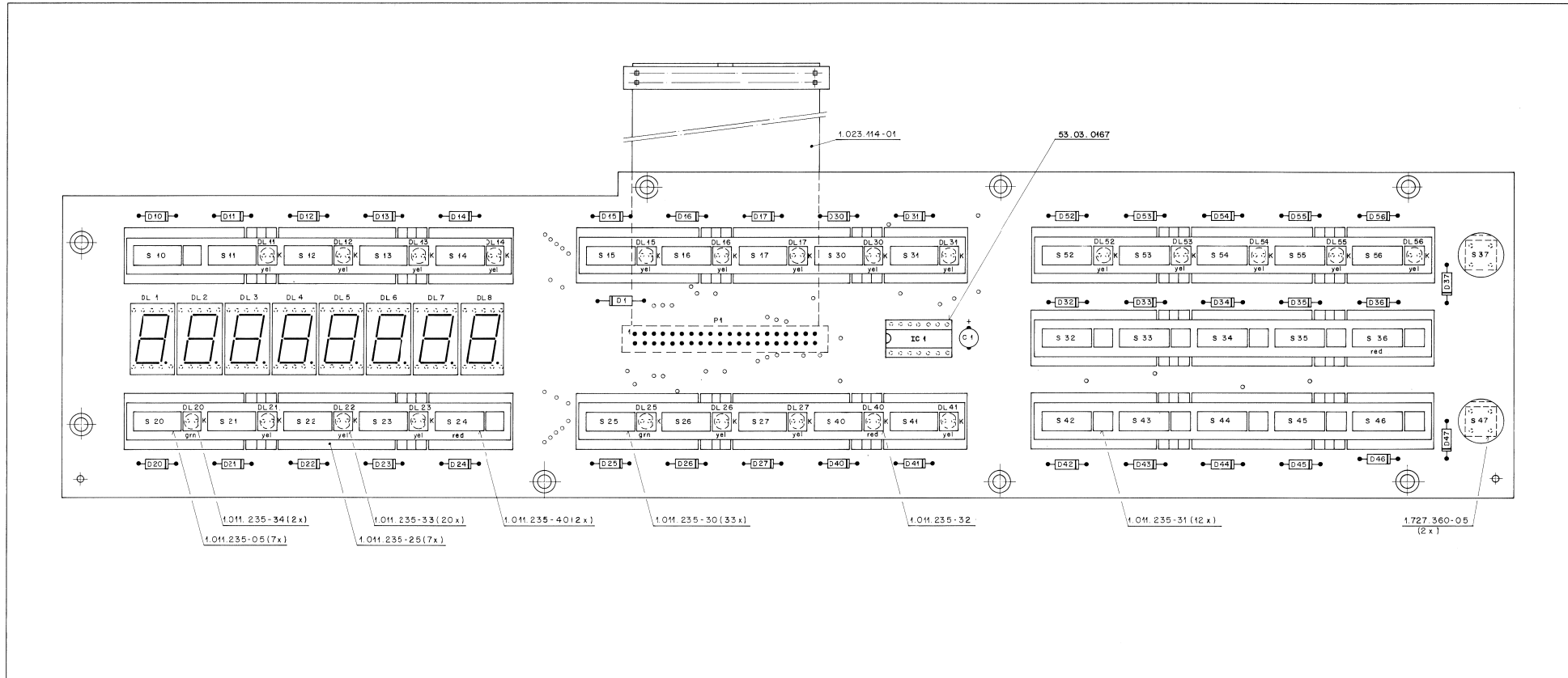


PUSHBUTTON/DISPLAY BOARD 1.827.750.00



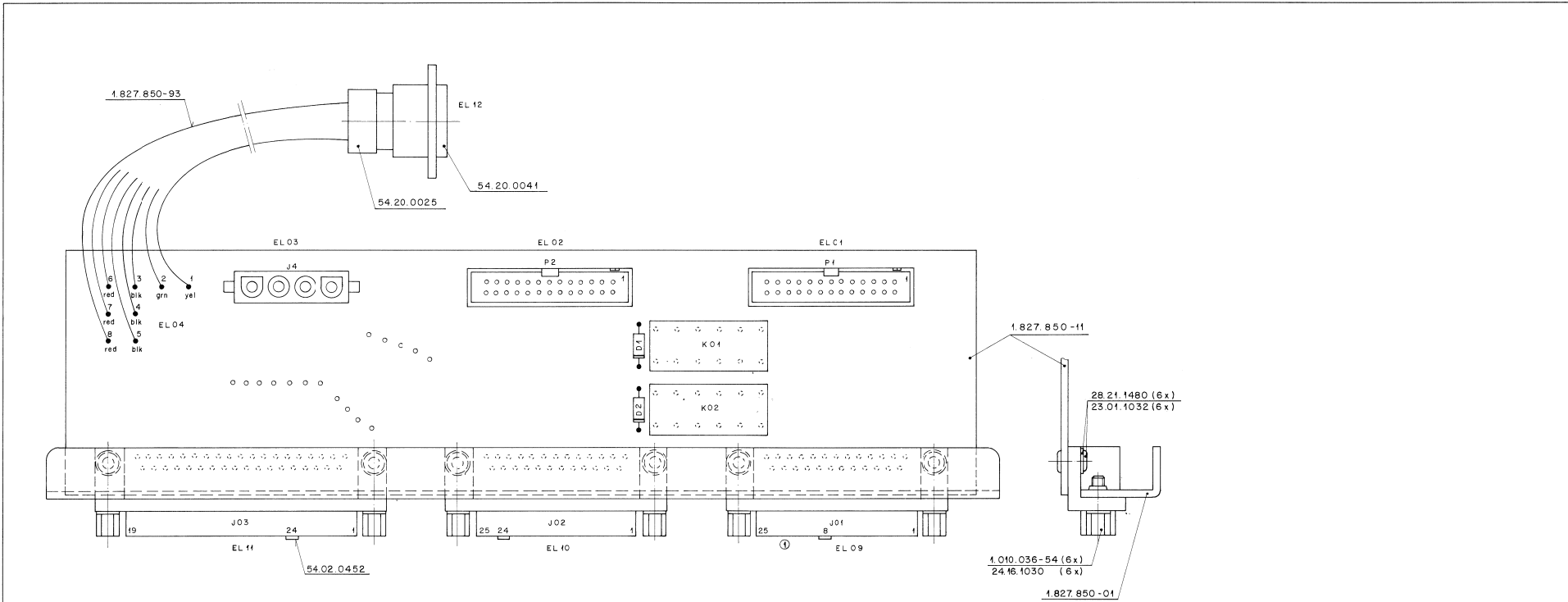
© 03.03.89 DS				
	A 827	ASY 01	GRP 51	PAGE 1 OF 1
STUDER	PUSHBUTTON/DISPLAY BOARD		SC	1.827.750.00

PUSHBUTTON/DISPLAY BOARD 1.827.750.00



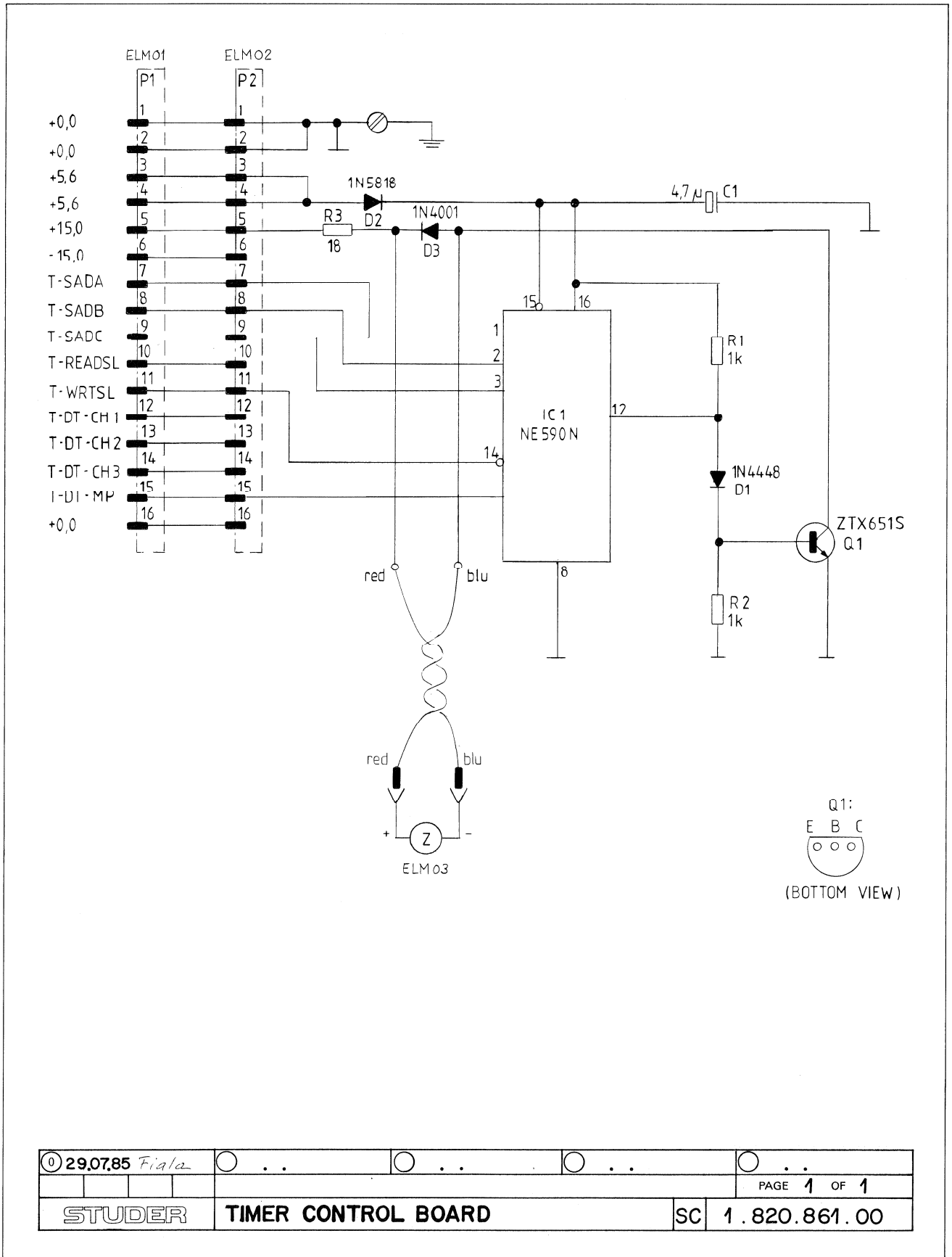
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	
C...	1	59.22.6220	22 uF	-20%, 35V, E1		IC...	1	90.06.0005	74LS05	Hex Inverter G.C.		(01)	90/03/23	I50	-D54 changed to D52...D56			
D...	10	50.04.0512	1N 5818	1N 5819	Not	MP...	1	43.01.0108	1 pos	ISE Warning Label								
D...	11	50.04.0125	1N 4448			MP...	2	53.03.0221	25 pos	2-pole LED-Socket								
D...	12	50.04.0125	1N 4448			MP...	3	53.03.0228	80 pos	XIC Single Line Wrap		Note 1 - Flat cable:	Studer Nr.	64.03.0216				
D...	13	50.04.0125	1N 4448			MP...	4	1.010.507.27	8 pos	Switch		PCB Transition Header:	Studer Nr.	54.14.0027				
D...	14	50.04.0125	1N 4448			MP...	5	1.011.235.05	7 pos	Pushbutton Case 5x		Kenichi Nr.	73P-40-02					
D...	15	50.04.0125	1N 4448			MP...	6	1.011.235.25	7 pos	Conductive rubber ca		Burdny Nr.	8PDOB 40 ROODS					
D...	16	50.04.0125	1N 4448			MP...	7	1.011.235.29	35 pos	Bolt		Socket Type:	Studer Nr.	54.14.0023				
D...	17	50.04.0125	1N 4448			MP...	8	1.011.235.30	33 pos	Pushbutton 14x5 d'gray		Kenichi Nr.	73S-40-17					
D...	18	50.04.0125	1N 4448			MP...	9	1.011.235.40	2 pos	Pushbutton 14x5 red		Burdny Nr.	FRS-40 BD-7P					
D...	19	50.04.0125	1N 4448			MP...	10	1.011.235.31	12 pos	Dummy contact								
D...	20	50.04.0125	1N 4448			MP...	11	1.011.235.32	1 pos	Calotte red								
D...	21	50.04.0125	1N 4448			MP...	12	1.011.235.33	20 pos	Calotte yel								
D...	22	50.04.0125	1N 4448			MP...	13	1.011.235.34	2 pos	Calotte grn								
D...	23	50.04.0125	1N 4448			MP...	14	1.027.750.05	2 pos	Pushbutton Adj.								
D...	24	50.04.0125	1N 4448			MP...	15	1.027.750.01	1 pos	No. Label								
D...	25	50.04.0125	1N 4448			MP...	16	1.827.750.11	1 pos	PUSHBUTTON/DISPLAY PCB								
D...	26	50.04.0125	1N 4448			F...	1	1.023.114.01		Flat cable 40 pole, see note 1	ST							
D...	27	50.04.0125	1N 4448			S...	27	55.15.0130		Push button Switch	ITT							
D...	28	50.04.0125	1N 4448			S...	47	55.15.0130		Push button Switch	ITT							
D...	29	50.04.0125	1N 4448			XIC...	1	53.03.0167	14-pole	IC-Socket								
D...	30	50.04.0125	1N 4448															
D...	31	50.04.0125	1N 4448															
D...	32	50.04.0125	1N 4448															
D...	33	50.04.0125	1N 4448															
D...	34	50.04.0125	1N 4448															
D...	35	50.04.0125	1N 4448															
D...	36	50.04.0125	1N 4448															
D...	37	50.04.0125	1N 4448															
D...	38	50.04.0125	1N 4448															
D...	39	50.04.0125	1N 4448															
D...	40	50.04.0125	1N 4448															
D...	41	50.04.0125	1N 4448															
D...	42	50.04.0125	1N 4448															
D...	43	50.04.0125	1N 4448															
D...	44	50.04.0125	1N 4448															
D...	45	50.04.0125	1N 4448															
D...	46	50.04.0125	1N 4448															
D...	47	50.04.0125	1N 4448															
D...	48	50.04.0125	1N 4448															
D...	49	50.04.0125	1N 4448															
D...	50	50.04.0125	1N 4448															

REMOTE CONTROL CONNECTOR BOARD 1.827.850.00

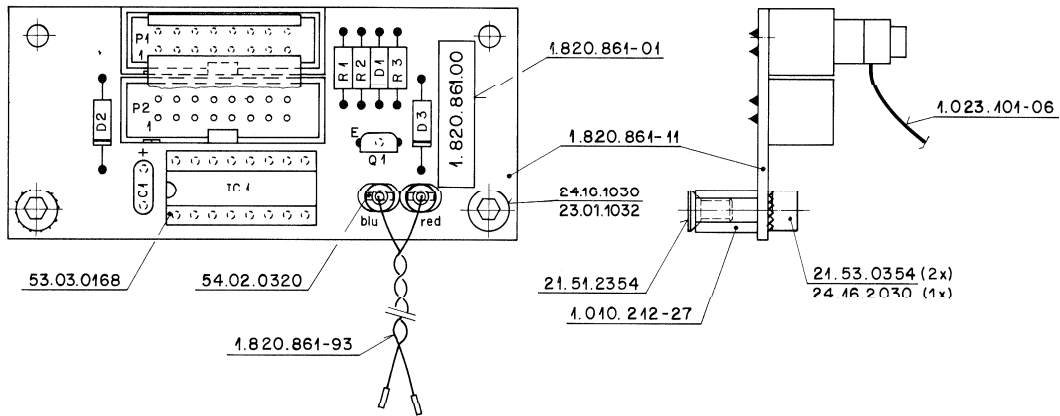


IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D....1	50.04.0125	1M4448	Diode, Si		
D....2	50.04.0125	1M4448	Diode, Si		
J....1	54.13.0003	25-pole	Connector D-Type, Print		
J....2	54.13.0003	25-pole	Connector D-Type, Print		
J....3	54.13.0004	37-pole	Connector D-Type, Print		
J....4	54.20.0004	4-pole	Power-Connector, Print		AMP
K....1	56.04.0130	24V	Relais		SSS
K....2	56.04.0130	24V	Relais		SSS
MF....1	23.01.1032	6 pcs	Washer D 3.2 x 6.0 x 0.5		
MF....2	24.16.1030	6 pcs	Screw Bolt		
MF....3	28.21.1480	6 pcs	Rivet D 3.1 x 6.5		
MF....4	54.02.0452	4 pcs	Coding Ring		Neutrik
MF....5	54.20.0025	1 pc	Circular-Connector Socket		Neutrik
MF....6	54.20.0041	1 pc	Circular-Connector Flange		Neutrik
MF....7	1.010.036.54	6 pcs	Washer D 3.2 x 5.5		
MF....8	1.827.850.01	1 pc	Mounting Bracket		
MF....9	1.827.850.10	1 pc	Rs. Label		
MF....10	1.827.850.11	1 pc	REMOTE CTL. CONNECTOR PCB		
MF....11	1.827.850.93	1 pc	LL-REMOTE CTL. CONNECTOR		
F....1	54.14.2003	26-pole	Ribbon-Connector, Print		
F....2	54.14.2003	26-pole	Ribbon-Connector, Print		

TIMER CONTROL BOARD 1.820.861.00



TIMER CONTROL BOARD 1.820.861.00



IND.	POS. NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.26.1479	4.7 uF	20%, 10V, Sal	Ph/Ri
D.....1		50.04.0125	1N 4448		Fc,ITT,Ph,See,Tf
D.....2		50.04.0512	1N 5818	1N 5819	Mot
D.....3		50.04.0122	1N 4001	...1N 4004	ITT,Mot,R-Ohm
IC.....1		50.15.0102	NE 590 N		Sig
P.....1				see note 1	
P.....2				see note 1	
P.....3		54.02.0320		(two pieces)	
Q.....1		50.03.0523	ZTX 651 S		Fe
R.....1		57.11.4102	1 kOhm	5%	
R.....2		57.11.4102	1 kOhm	5%	
R.....3		57.19.0180	18 Ohm	Fuse resistor, Philips Nr. 2322 205 13189	

Note 1 - connector, 16 contacts:

Studer Nr. 54.14.2002
 Yamichi Nr. FAP-16-08-40SS
 Burndy Nr. BPH 9 B 16 BO GS

Sal=Solid aluminium

MANUFACTURER: Fc=Fairchild, Fe=Ferranti, ITT=ITT Internatell.
 Mot=Motorola, Ph=Philips, Ri=Rifa, Sig=Signetics,
 Tf=Telefunken.

ORIG 85/07/29

4 Audio Control, Audio and VU-Panel

■ = Electrostatically Sensitive Assembly

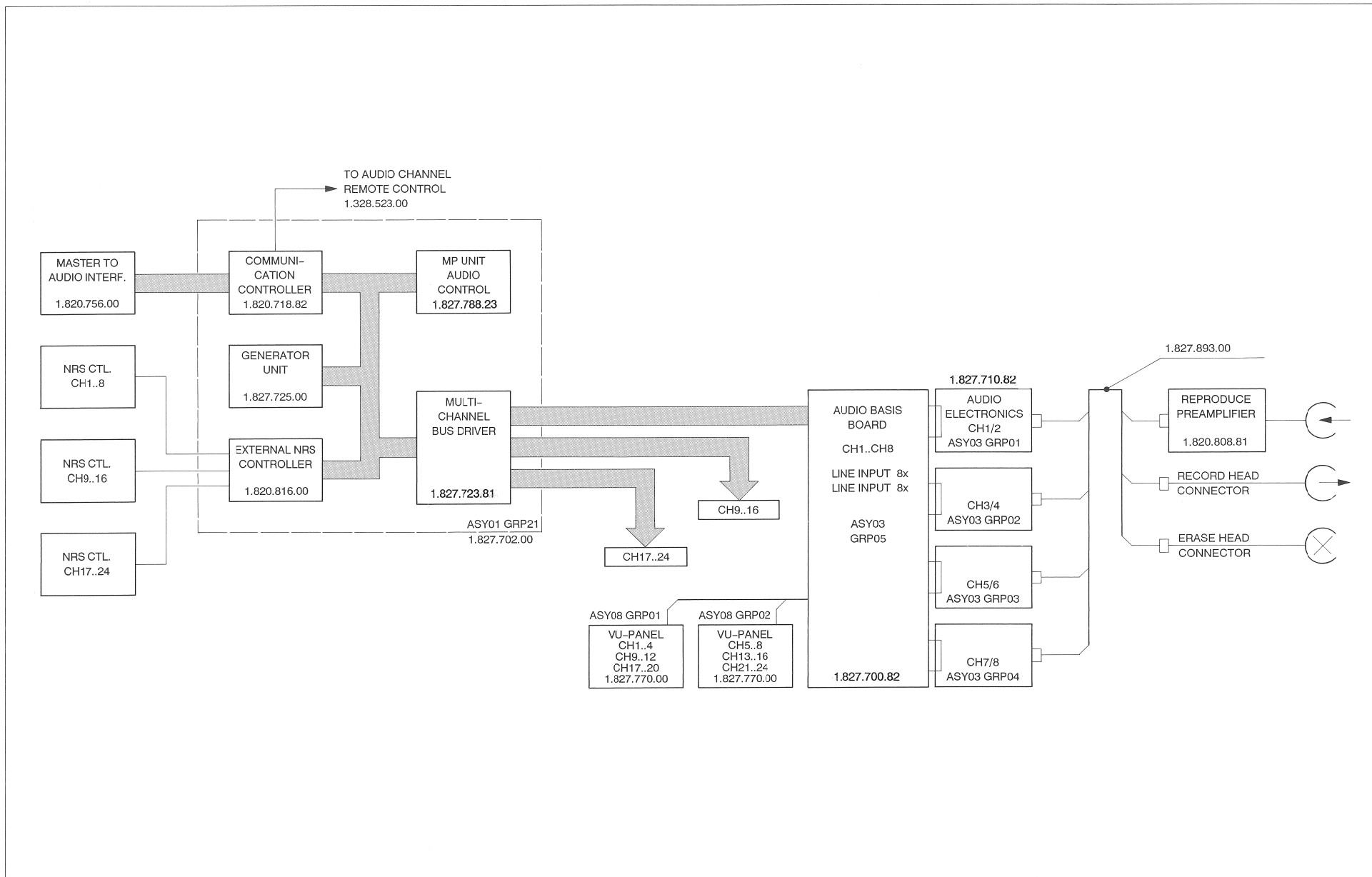
Contents		ASY-GRP-ELM	Page
Basis Board Audio-control MCH	1.827.702.00	1-21	2
MP Unit Audio Control MCH	1.827.782.25 ■	1-21-21	3
MP Unit Audio Control MCH	1.827.788.23 ■	1-21-21	5
Communications Controller	1.820.718.82 ■	1-53	9
Communications Controller	1.820.718.83 ■	1-53	11
Generator Unit PCB	1.827.725.00 ■	1-21-22	17
Multichannel Bus Driver	1.827.723.00 ■	1-21-24	21
Multichannel Bus Driver	1.827.723.81 ■	1-21-24	21
External NRS Controller PCB (Option)	1.820.816.00 ■	1-21-23	27
XLR-Connection Panel 8 CH	1.827.315.00 ■		31
-Audio Basis Board	1.827.700.00/81/82 ■	4-5	31
Audio Electronics Board	1.827.715.00 ■	5-1	39
Audio Electronics Board	1.827.715.717.81 ■	5-1	45
Audio Electronics Board	1.827.710.00 ■	5-1	49
Audio Electronics Board	1.827.710.81 ■	5-1	63
Audio Electronics Board	1.827.710.82 ■	5-1	75
Reproduce Preamplifier	1.820.808.81 ■	2 2/3/4	83
Reproduce Preamplifier	1.820.808.82 ■	2-2/3/4	85
Reproduce Preamplifier	1.820.808.83 ■	2-2/3/4	87
Head Assembly Identifier	1.820.795.00	2-1-10	89
VU-Panel Board	1.827.770.00/81 ■	8-01/02	91
VU-Panel Board 8CH	1.827.774.00	8-01/02	97
VU-Illumination	1.827.771.00		99
Monitor Amplifier Board	1.827.871.00 ■		101
Interconnection Board	1.827.872.00		103

Contents of Diagrams in Numerical Order

■ = Electrostatically Sensitive Assembly

Contents		ASY-GRP-ELM	Page
1.820.816.00 ■	External NRS Controller PCB (Option)	1-21-23	27
1.827.315.00 ■	XLR-Connection Panel 8 CH		31
1.827.700.00/81/82 ■	-Audio Basis Board	4-5	31
1.827.774.00	VU-Panel Board 8CH	8-01/02	97
1.827.715/717.81 ■	Audio Electronics Board	5-1	45
1.820.718.82 ■	Communaications Controller	1-53	9
1.820.718.83 ■	Communaications Controller	1-53	11
1.820.795.00	Head Assembly Identifier	2-1-10	89
1.820.808.81 ■	Reproduce Preamplifier	2-2/3/4	83
1.820.808.82 ■	Reproduce Preamplifier	2-2/3/4	85
1.820.808.83 ■	Reproduce Preamplifier	2-2/3/4	87
1.827.710.00 ■	Audio Electronics Board	5-1	49
1.827.710.81 ■	Audio Electronics Board	5-1	63
1.827.710.82 ■	Audio Electronics Board	5-1	75
1.827.715.00 ■	Audio Electronics Board	5-1	39
1.827.723.00 ■	Multichannel Bus Driver	1-21-24	21
1.827.723.81 ■	Multichannel Bus Driver	1-21-24	21
1.827.725.00 ■	Generator Unit PCB	1-21-22	17
1.827.770.00 ■	VU-Panel Board	8-01/02	91
1.827.771.00	VU-Illumination		99
1.827.782.25 ■	MP Unit Audio Control MCH	1-21-21	3
1.827.788.23 ■	MP Unit Audio Control MCH	1-21-21	5
1.827.871.00 ■	Monitor Amplifier Board		101
1.827.872.00	Interconnection board		103

BLOCK DIAGRAM AUDIO CONTROL



BASISBOARD AUDIO CONTROL MCH 1.827.702.00

- J1 To Distribution board 1.827.865
- J2 To Distribution board 1.827.865
- J3/J4 not used
- J5 Communication controller 1.820.718
- J6 MPU Audio control MCH 1.827.788
- J7 Generator unit MCH 1.827.725
- J8 External NRS controller 1.820.816
- J9 Multichannel bus driver 1.827.723

Leiterbahnen BS unterbrochen (2x)
(Siehe Muster)
② nur bei 1.820.702-11

Wire Wrap Verbindungen: gilt nur bei Print 1.820.702-11

Lötlseite, mit Acetatgewebe 65.02.2060 fixiert.

1.010.411-64 (3x)

Verbindungen

- P8, Pin6 zu J6, Pin1
- P8, Pin8 zu J6, Pin2
- P8, Pin26 zu J6, Pin8

1.010.407-64

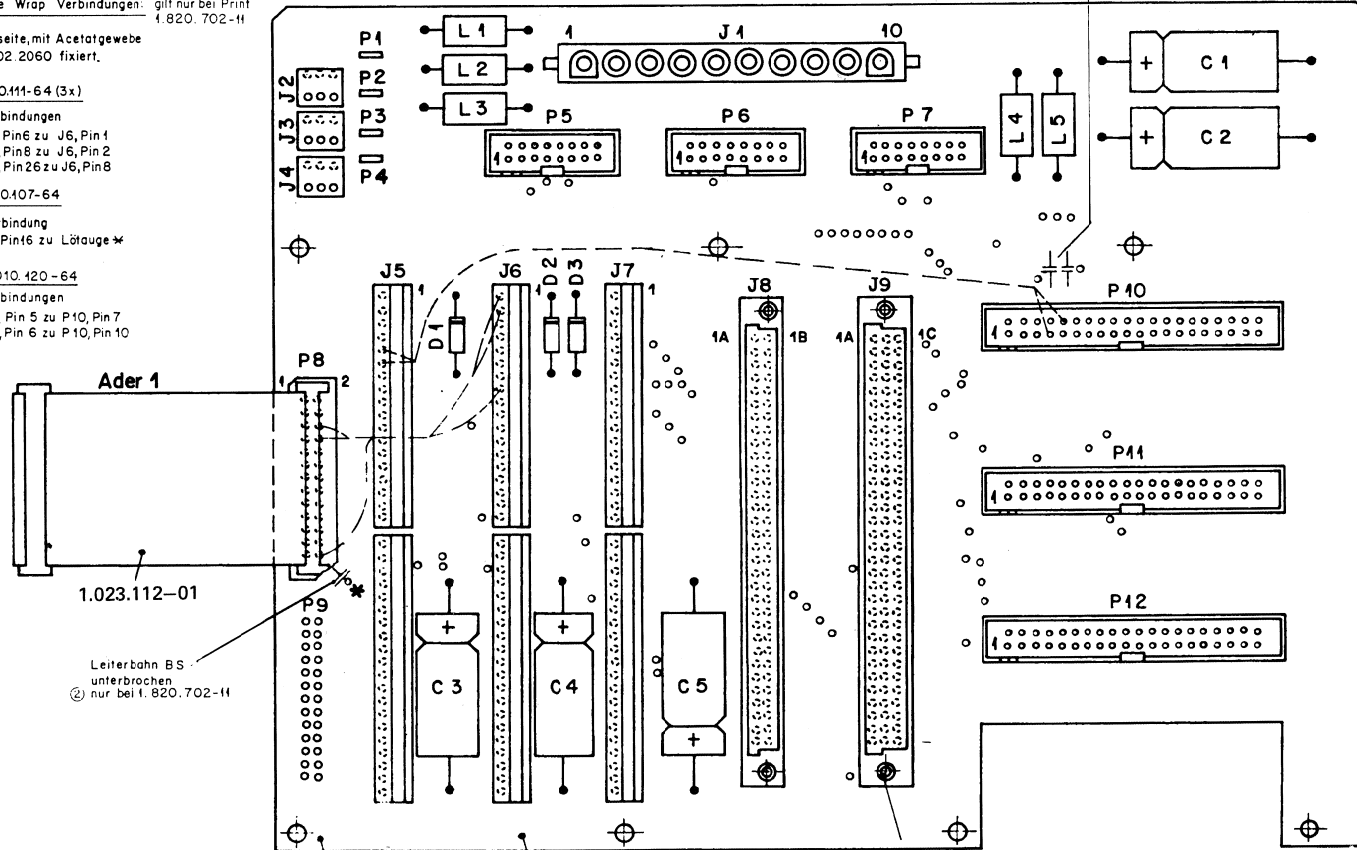
Verbindung

- P8, Pin16 zu Löttauge *

1.010.420-64

Verbindungen

- J5, Pin 5 zu P10, Pin 7
- J5, Pin 6 zu P10, Pin 10



1.827.702.11

1.820.702.11

28.21.1380 (4x)

② Ohne Wire Wrap Verbindungen und ohne Leiterbahnunterbrechungen.

- P1 TS-RX
- P2 TS-TX
- P3 +0,0V
- P4 +0,0V
- P5 To remote control connector PCB 1.827.850
- P6 To remote control connector PCB 1.827.850

- P7 To remote control connector PCB 1.827.850
- P8 To Tape deck basis board 1.820.704
- P9 To Tape deck basis board 1.820.704
- P10 To Basis board audio CH 1-8 1.827.700
- P11 To Basis board audio CH 9-16 1.827.700
- P12 To Basis board audio CH 17-24 1.827.700

Ad ... POS. ... REF.No. ... DESCRIPTION ... MANUFACTURER

C....1	59.25.3471	470 uF	-20%, 16 V, E1	
C....2	59.25.3471	470 uF	-20%, 16 V, E1	
C....3	59.25.1102	1000 uF	-20%, 6.3 V, E1	
C....4	59.25.3471	470 uF	-20%, 16 V, E1	
C....5	59.25.3471	470 uF	-20%, 16 V, E1	
D....1	50.04.0122	1N 4001	...	GI, ITT, Mot
D....2	50.04.1503	7.5 V Z	BX 85 C 715, 82V ...	ITT, Mot, Ph, Tf, Tho
D....3	50.04.0122	1N 4001	...	GI, ITT, Mot
J....1	54.25.0010	10 cont.	AMP nr. 82682-3	
J....2	54.01.0287	3 cont.	AMP nr. 163.680-1	
J....3	54.01.0287	3 cont.	AMP nr. 163.680-1	
J....4	54.01.0287	3 cont.	AMP nr. 163.680-1	
J....5	..	..	see note 1	
J....6	..	..	see note 1	
J....7	..	..	see note 1	
J....8	54.11.2005	..	see note 2	
J....9	54.11.2024	..	see note 3	
L....1	62.01.0115	..	HF-coil, Philips nr. 4312 020 36700	
L....2	62.01.0115	..	HF-coil, Philips nr. 4312 020 36700	
L....3	62.01.0115	..	HF-coil, Philips nr. 4312 020 36700	
L....4	62.01.0115	..	HF-coil, Philips nr. 4312 020 36700	
L....5	62.01.0115	..	HF-coil, Philips nr. 4312 020 36700	
P....1	54.02.0320	..	see note 4	
P....2	54.02.0320	..	see note 4	
P....3	54.02.0320	..	see note 4	
P....4	54.02.0320	..	see note 4	
P....5	54.14.2002	..	see note 5	
P....6	54.14.2002	..	see note 4	
P....7	54.14.2002	..	see note 4	
P....8	00.00.0000	..	see note 5	
P....9	..	..	not used	
P....10	54.14.2004	..	see note 6	
P....11	54.14.2004	..	see note 6	
P....12	54.14.2004	..	see note 6	
Note 1 - 2 connectors:	..	..	..	..
18 contacts,	Studer Nr.	54.10.2015	..	..
20 contacts,	Burndy Nr.	GCSE 18 S0 19 V1 K9	..	..
..	Studer Nr.	54.10.2026	..	..
..	Burndy Nr.	GCSE 20 S0 V1 K9	..	..
Note 2 - connector:	..	..	..	..
2 * 32 contacts,	Erni Nr.	9722.543.416	..	..
..	Harting Nr.	0902 164 6824	..	..
..	Souriau Nr.	8609.264.61.24.765.000 E1	..	..
Note 3 - connector:	..	..	..	..
3 * 32 contacts,	Erni Nr.	9722.543.441	..	..
..	Harting Nr.	0903 196 6824	..	..
..	Burndy Nr.	PI 96 B 30 R00 A00 Z 1	..	..
..	Souriau Nr.	8609.396.61.24.765.000 E1	..	..
Note 4 - connector:	..	..	..	..
16 contacts,	Yamaichi Nr.	FAP-16-08-40SS	..	..
..	Burndy Nr.	BPH 9 B 16 B00 GS	..	..
..	3M Nr.	7616-6002 VZ	..	..
Note 5 - connection cable:	..	..	..	..
..	Studer Nr.	1.023.112.01	..	..
Note 6 - connector:	..	..	..	..
40 contacts,	Yamaichi Nr.	FAP-40-08-40SS	..	..
..	Burndy Nr.	BPH 9 B 40 B00 GS	..	..
..	3M Nr.	7640-6002 VZ	..	..

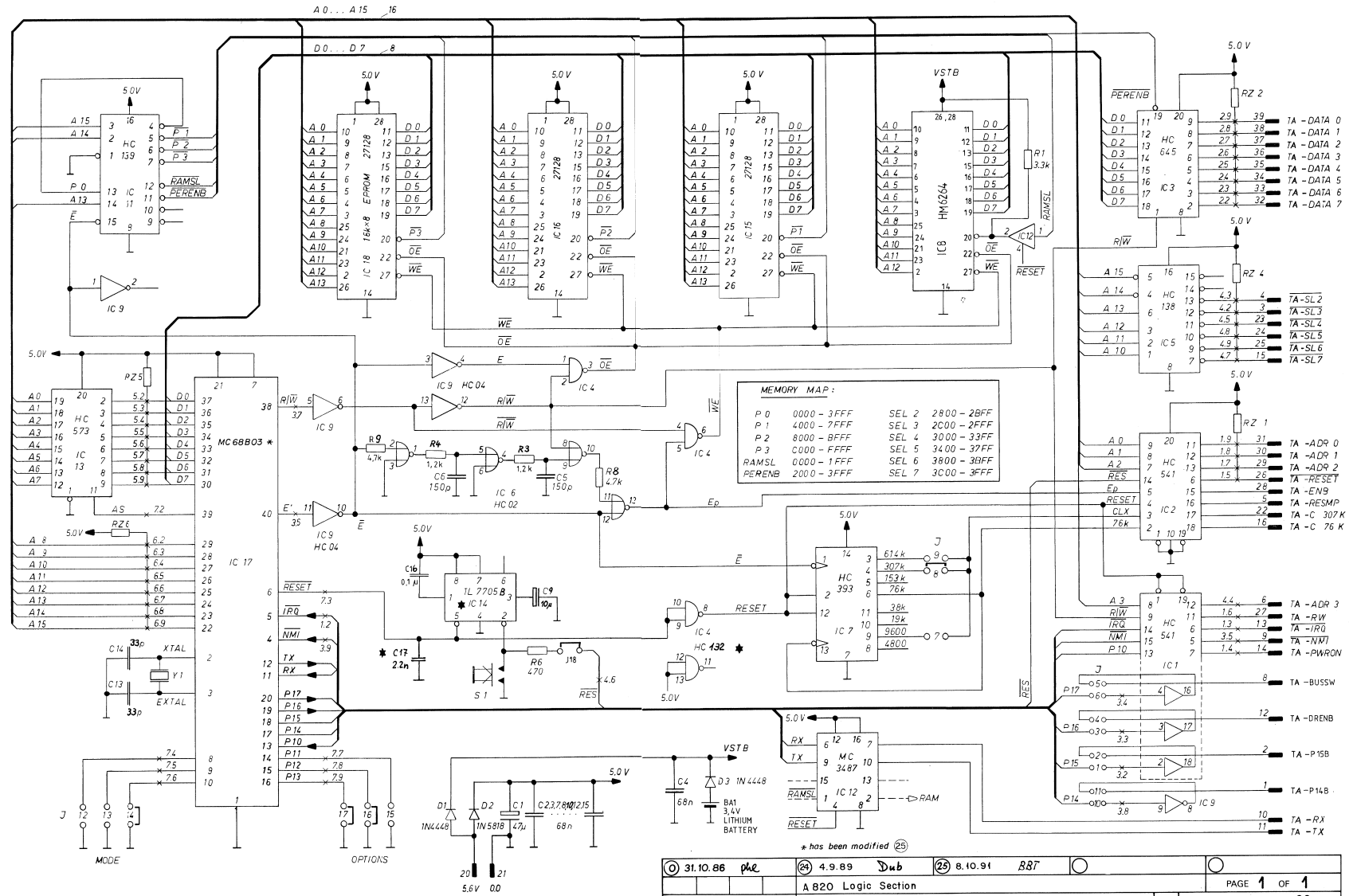
E1=Electrolytic

MANUFACTURER: GI=General Instruments, ITT=Intermetall, Mot=Motorola, Ph=Philips, Tf=Telefunken, Tho=Thomson CSF.

1.827.702.00 BASISBOARD AUDIO CONTROL MCH Wth:89/03/1700



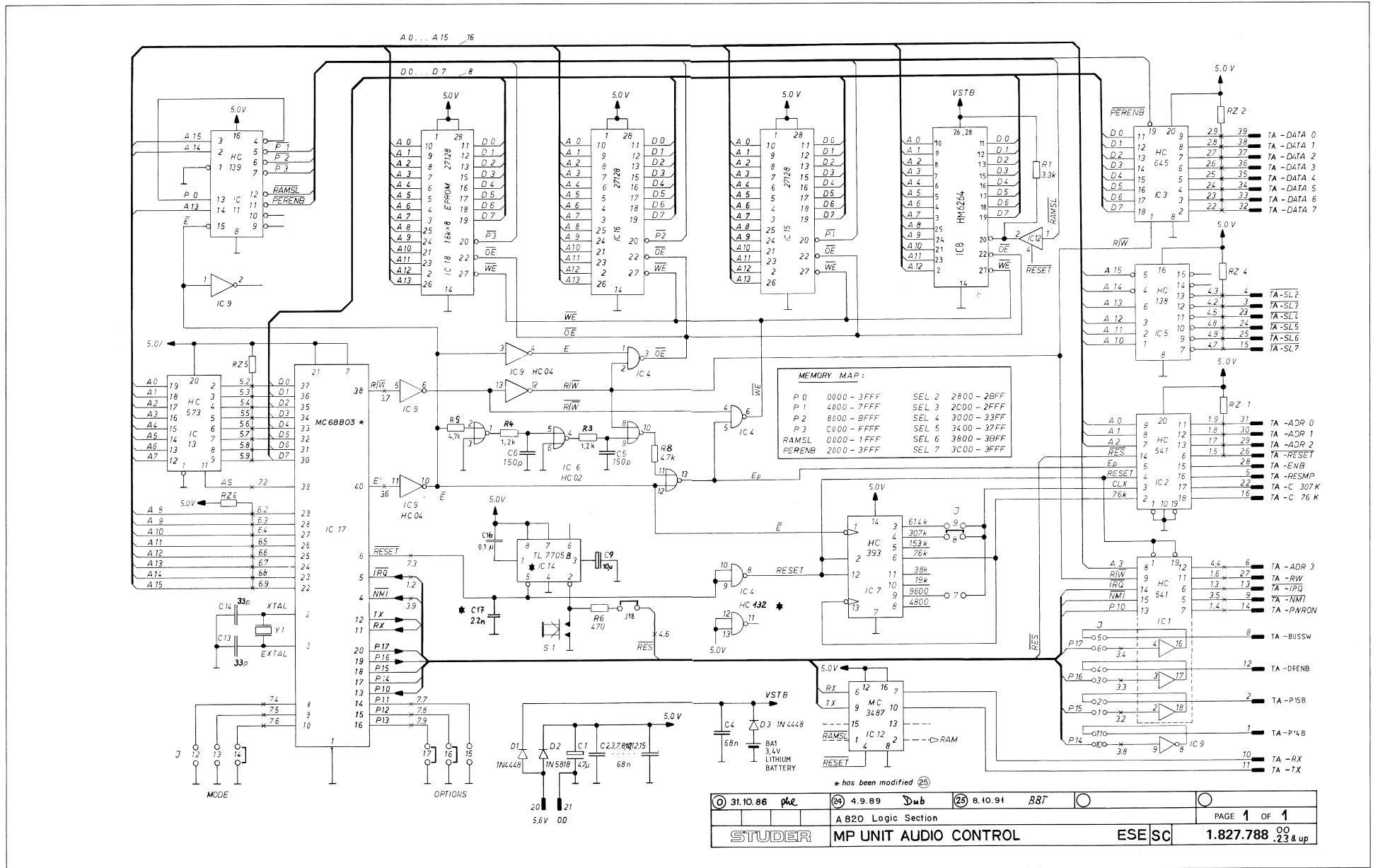
MP UNIT AUDIO CONTROL MCH 1.827.782.25



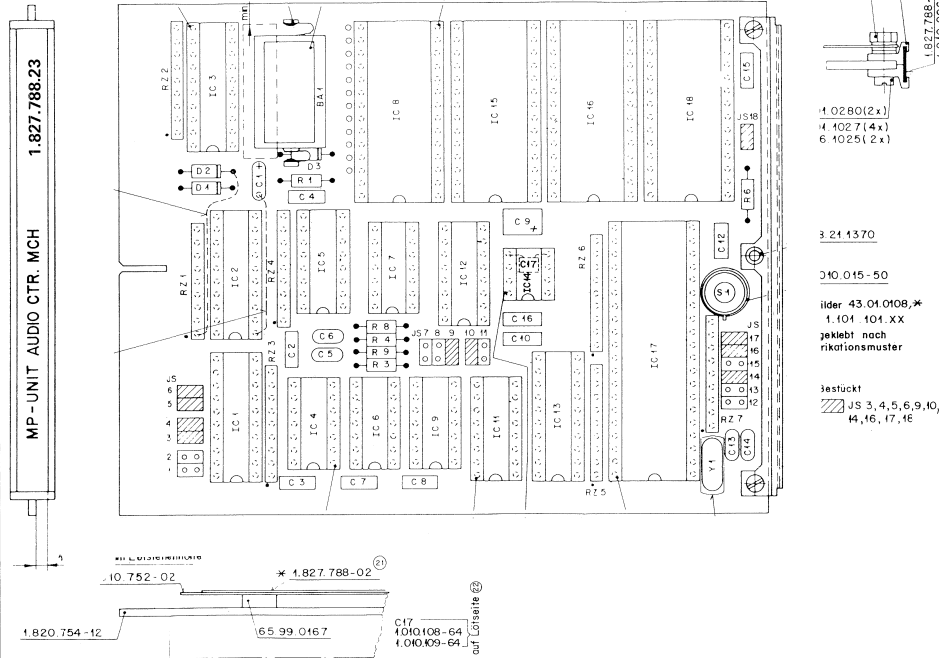
31.10.86	phl	4.9.89	Dwb	8.10.91	B87		
A 820 Logic Section							PAGE 1 OF 1
STUDER MP UNIT AUDIO CONTROL							ESE/SC 1.820.782
							.25 & up



MP UNIT AUDIO CONTROL MCH 1.827.788.23

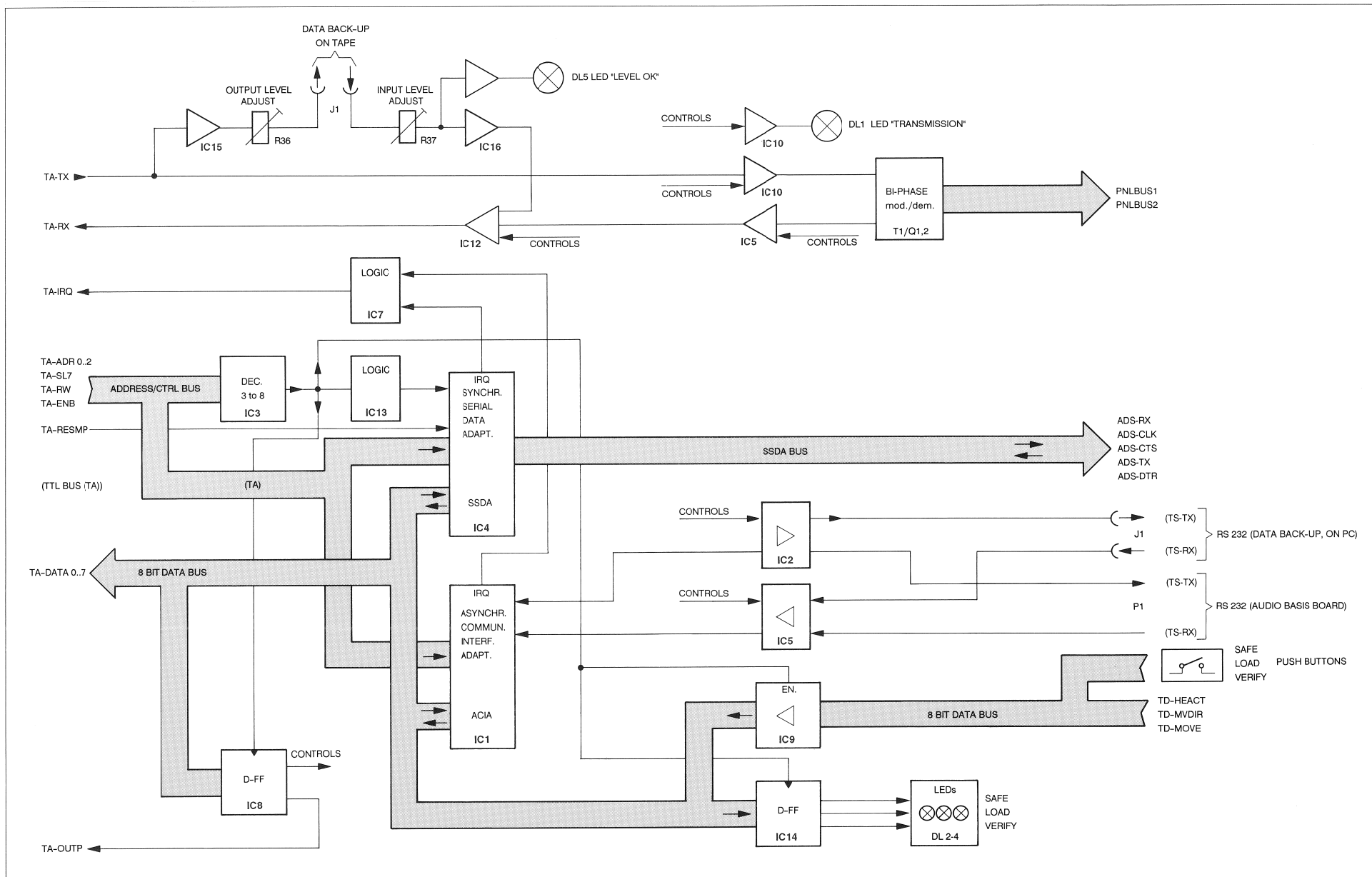


MP UNIT AUDIO CONTROL MCH 1.827.788.23

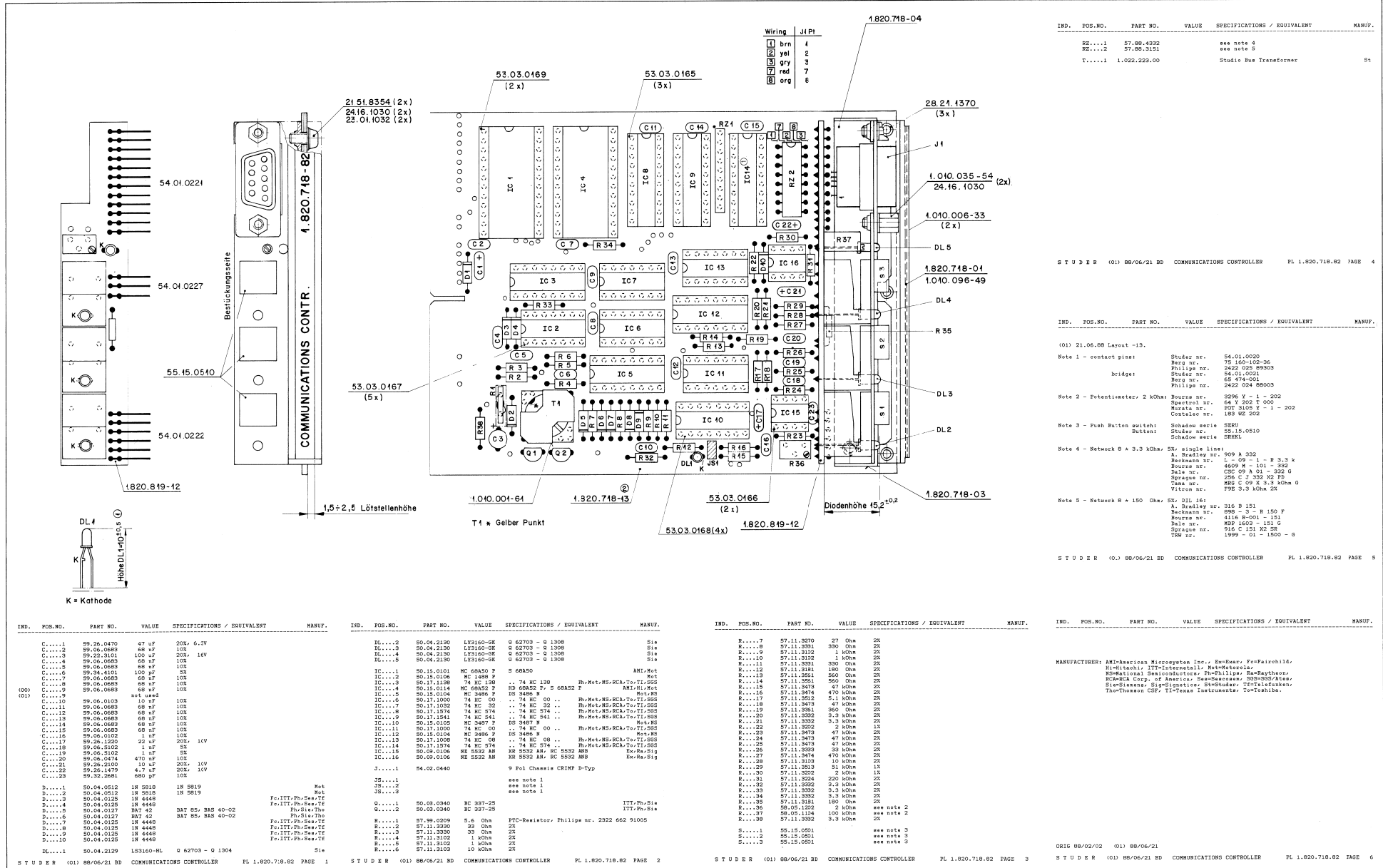


Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
MA	...	89.01.0275	Batt, LiL	14.7*25.5	(23)	92/02/28	Software 10/92		
C	....1	59.26.0470	47 uF	20%, 6.3V, Sal	Ph	Note 1	- IC15/16/18	: Software in set available only.	
C	....4	59.06.0683	68 nF	10%, 63V, PETP		Note 2	- Contact pin:	Studer Nr. 54.01.0020 Berg Nr. 75.160-102-36 Philips Nr. 2422.025.89303	
C	....5	59.34.7151	150 pF	2%, Ce		Bridge:	Studer Nr. 54.01.0021 Berg Nr. 85.474-001 Philips Nr. 2422.024.88003		
C	....6	59.34.7151	150 pF	2%, Ce		Note 3	- Network:	R = 3.3 kOhm, 5k Sicovend Nr. C09 x 3.3 k J Ineltro Nr. R88 3.3 k 5k	
C	....7	59.06.0683	68 nF	10%, 63V, PETP		Ce=Ceramic, Sal=Solid Aluminium, PETP=Polyesterfilm.			
C	....8	59.06.0683	68 nF	10%, 63V, PETP		MANUFACTURER: Fc=Fairchild, Hi=Hitachi, ITT=Intermetall, Mot=Motorola,			
C	....9	59.26.2100	10 uF	20%, 16V, Sal		NS=National Semiconductors, OK=OKI, Ph=Philips,			
C	....10	59.06.0683	68 nF	10%, 63V, PETP		Ses=Secossem, Tf=Telefunken, TI=Texas Instruments.			
C	....11	00.00.0000	not used			1.827.788.00	MP-UNIT AUDIO CONTROL MCH	Wth89/12/2000	
C	....12	59.06.0683	68 nF	10%, 63V, PETP		1.827.788.00	MP-UNIT AUDIO CONTROL MCH	Wth90/04/1720	
C	....13	59.34.2330	33 pF	5%, Ce		1.827.788.00	MP-UNIT AUDIO CONTROL MCH	Wth91/02/0121	
C	....14	59.34.2330	33 pF	5%, Ce		1.827.788.00	MP-UNIT AUDIO CONTROL MCH	BBT91/10/0822	
C	....15	59.06.0683	68 nF	10%, 63V, PETP		1.827.788.00	MP-UNIT AUDIO CONTROL MCH	Wth92/02/2823	
C	....16	59.06.0104	100 nF	10%, 63V, PETP					
C	....17	59.06.0222	2.2 nF	10%, 63V, PETP					
J	....1	50.04.0125	1W 4448	Fc, ITT, Ph, Ses, Tf					
J	....2	50.04.0512	1W 5818	Mot					
J	....3	50.04.0125	1W 4448	Fc, ITT, Ph, Ses, Tf					
IC	....1	50.17.1541	74 HC 541	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....2	50.17.1541	74 HC 541	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....3	50.17.1546	74 HC 645	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....4	50.17.1000	74 HC 00	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....4	50.17.1132	74 HC 132	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....5	50.17.1138	74 HC 138	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....6	50.17.1002	74 HC 02	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....7	50.17.1393	74 HC 393	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....8	50.14.0133	HM6248P-15	Hi, To					
IC	....9	50.17.0004	74 HCT 04	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....10	00.00.0000	not used						
IC	....11	50.17.1139	74 HC 139	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....12	50.15.0105	MC 3487 P	DS 3487 M					
IC	....13	50.17.1573	74 HC 573	Mot, NS, Ph, RCA, SGS, TI, To					
IC	....14	50.11.0122	TL7705ACP	TI					
IC	....15	50.11.0157	TL7705BCP	TI					
IC	....15	50.14.0125	27128	HN 427128G-30	Hi, It				
IC	....15	1.827.989.20	27128	Software 16/90, see note 1	St				
IC	....15	1.827.989.21	27128	Software 05/91, see note 1	St				
IC	....15	1.827.989.22	27128	Software 10/92, see note 1	St				
IC	....16	50.14.0125	27128	HN 427128G-30	Hi, It				
IC	....16	1.827.989.20	27128	Software 16/90, see note 1	St				
IC	....16	1.827.989.21	27128	Software 05/91, see note 1	St				
IC	....16	1.827.989.22	27128	Software 10/92, see note 1	St				
IC	....17	50.16.0107	MC6803P-1	6803P-L	Mot, Hi				
IC	....18	50.14.0125	27128	HN 427128G-30	Hi, It				
IC	....18	1.827.989.20	27128	Software 16/90, see note 1	St				
IC	....18	1.827.989.21	27128	Software 05/91, see note 1	St				
IC	....18	1.827.989.22	27128	Software 10/92, see note 1	St				
JS	....1	..	..	see note 2					
JS	....2	..	..	see note 2					
JS	....3	..	..	see note 2					
JS	....4	..	..	see note 2					
JS	....5	..	..	see note 2					
JS	....6	..	..	see note 2					
JS	....7	..	..	see note 2					
JS	....8	..	..	see note 2					
JS	....9	..	..	see note 2					
JS	....10	..	..	see note 2					
JS	....11	..	..	see note 2					
JS	....12	..	..	see note 2					
JS	....13	..	..	see note 2					
JS	....14	..	..	see note 2					
JS	....15	..	..	see note 2					
JS	....16	..	..	see note 2					
JS	....17	..	..	see note 2					
JS	....18	..	..	see note 2					
MP	....1	29.21.6002							
MP	....2	29.21.6002							
R	....1	57.11.4332	3.3 kOhm	5%					
R	....2	00.00.0000	not used						
R	....3	57.11.4122	1.2 kOhm	5%					
R	....4	57.11.4122	1.2 kOhm	5%					
R	....5	00.00.0000	not used						
R	....6	57.11.4471	470 Ohm	5%					
R	....7	00.00.0000	not used						
R	....8	57.11.4472	4.7 kOhm	5%					
R	....9	57.11.4472	4.7 kOhm	5%					
RZ	....1	57.88.4332		see note 3					
RZ	....2	57.88.4332		see note 3					
RZ	....3	57.88.4332		see note 3					
RZ	....4	57.88.4332		see note 3					
RZ	....5	57.88.4332		see note 3					
RZ	....6	57.88.4332		see note 3					
RZ	....7	57.88.4332		see note 3					
S	....1	55.03.0122	Chicago Switch	34-550-001					
Y	....1	89.01.0560	4.9152 MHz, +-100 ppm						
(20)	90/04/17	Software 16/90							
(21)	91/02/01	Software 05/91							
(22)	91/10/08	Same software as 05/91 suffix (21), improved reset performance.							

**BLOCK DIAGRAM
COMMUNICATIONS CONTROLLER 1.820.718**

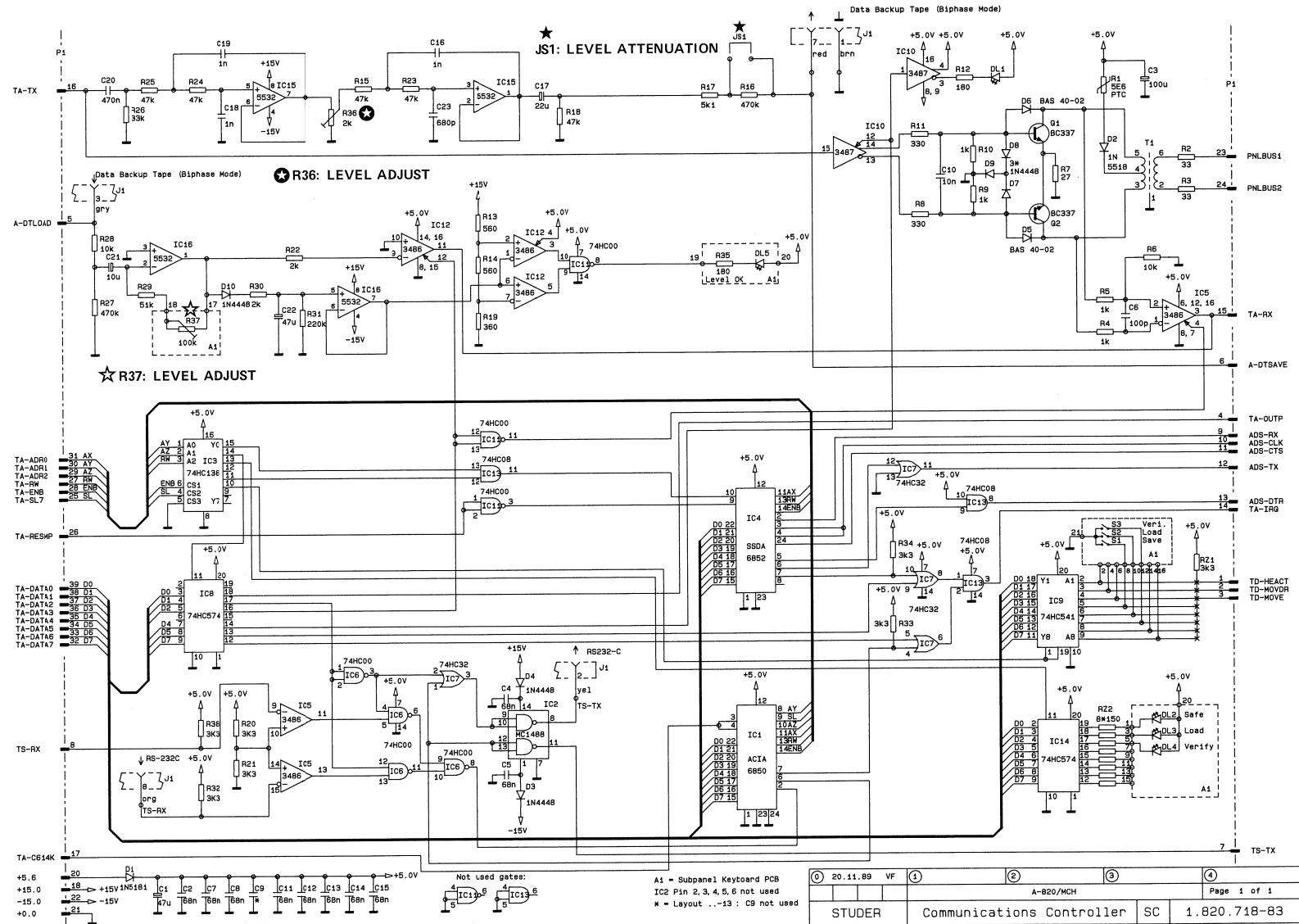


COMMUNICATIONS CONTROLLER 1.820.718.82





COMMUNICATIONS CONTROLLER 1.820.718.83



COMMUNICATIONS CONTROLLER 1.820.718.83

Wiring J1 P1

1	brn	4
2	yel	2
3	grn	3
7	red	7
8	org	8

1.820.718-04

28.21.4370 (3x)

1.010.035-54 (2x)
24.16.1030

1.010.006-33 (2x)

DL5

1.820.718-01
1.040.096-49

R 55

DL4

DL3

DL2

1.820.718-03

Diendehöhe 45,2^{±0,2}

1.820.819-12

1.040.004-64

1.820.718-14
(1.820.718-13)

53.03.0166 (2x)

1.820.819-12

53.03.0168(4x)

53.03.0167 (5x)

* 1.010.H7-64
* 1.010.H6-64

21.51.8354 (2x)
24.16.1030 (2x)
23.01.1032 (2x)

53.03.0169 (2x)

53.03.0165 (3x)

54.01.0221

54.01.0227

55.15.0510

54.01.0222

1.820.819-12

DL4

K = Kathode

Hohe DL1: 10,0^{±0,5}

1,5 ± 2,5 Lötstellenhöhe

gelber Punkt

COMMUNICATIONS CONTR.

1.820.718-83

IC 1, IC 2, IC 3, IC 4, IC 5, IC 6, IC 7, IC 8, IC 9, IC 10, IC 11, IC 12, IC 13, IC 14, IC 15, IC 16

R 1, R 2, R 3, R 4, R 5, R 6, R 7, R 8, R 9, R 10, R 11, R 12, R 13, R 14, R 15, R 16, R 17, R 18, R 19, R 20, R 21, R 22, R 23, R 24

C 1, C 2, C 3, C 4, C 5, C 6, C 7, C 8, C 9, C 10, C 11, C 12, C 13, C 14, C 15, C 16, C 17, C 18, C 19, C 20, C 21, C 22

J1

DL 1, DL 2, DL 3, DL 4, DL 5

54.01.0221, 54.01.0227, 55.15.0510, 54.01.0222

1.820.819-12

DL4

K = Kathode

Hohe DL1: 10,0^{±0,5}

K

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

C.....1	59.26.0470	47 nF	20%	6.3V	
C.....2	59.06.0683	68 nF	10%		
C.....3	59.22.3191	100 nF	20%	16V	
C.....4	59.06.0683	68 nF	10%		
C.....5	59.06.0683	68 nF	10%		
C.....6	59.34.4101	100 nF	3%		
C.....7	59.06.0683	68 nF	10%		
C.....8	59.06.0683	68 nF	10%		
C.....9	59.06.0103	not used			
C.....10	59.06.0103	10 nF	10%		
C.....11	59.06.0683	68 nF	10%		
C.....12	59.06.0683	68 nF	10%		
C.....13	59.06.0683	68 nF	10%		
C.....14	59.06.0683	68 nF	10%		
C.....15	59.06.0683	68 nF	10%		
C.....16	59.06.0102	1 nF	5%		
C.....17	59.26.1220	22 nF	20%	16V	
C.....18	59.06.0102	1 nF	5%		
C.....19	59.06.3102	1 nF	5%		
C.....20	59.06.1474	470 nF	20%	16V	
C.....21	59.26.2100	10 nF	20%	16V	
C.....22	59.06.1474	4.7 nF	20%	16V	
C.....23	59.52.2681	680 pF	10%		

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....3	50.04.2130	LX3160-GR	Q 62703	Q 1308	Si
DL.....4	50.04.2130	LX3160-GR	Q 62703	Q 1308	Si
DL.....5	50.04.2130	LX3160-GR	Q 62703	Q 1308	Si
IC.....1	50.15.0101	MC 68800 P	S 68800		AMI, Mic
IC.....2	50.15.0104	MC 1489 P	MC 1489 P		Not
IC.....3	50.17.1138	74 HC 138	.. 74 HC 138		Ph.Met.SS.RCA.Ty.TI,SGS
IC.....4	50.15.0114	MC 68852 P	BD 68852 P, S 68852 P		AMI, Mic
IC.....5	50.15.0104	MC 3486	BD 3486 P		Not
IC.....6	50.17.1000	74 HC 00	.. 74 HC 00		Ph.Met.SS.RCA.Ty.TI,SGS
IC.....7	50.17.1022	74 HC 32	.. 74 HC 32		Ph.Met.SS.RCA.Ty.TI,SGS
IC.....8	50.17.1574	74 HC 574	.. 74 HC 574		Ph.Met.SS.RCA.Ty.TI,SGS
IC.....9	50.17.1541	74 HC 541	.. 74 HC 541		Ph.Met.SS.RCA.Ty.TI,SGS
IC.....10	50.15.0103	MC 3487 P	BD 3487 P		Not
IC.....11	50.17.1000	74 HC 00	.. 74 HC 00		Ph.Met.SS.RCA.Ty.TI,SGS
IC.....12	50.15.0104	MC 3486 P	BD 3486 P		Not
IC.....13	50.17.1008	74 HC 08	.. 74 HC 08		Ph.Met.SS.RCA.Ty.TI,SGS
IC.....14	50.17.1574	74 HC 574	.. 74 HC 574		Ph.Met.SS.RCA.Ty.TI,SGS
IC.....15	90.09.0106	82 5552 AMB	XB 5552 AM, MC 5552 AMB		Sw,Pa,Stu
IC.....16	90.09.0106	82 5552 AMB	XB 5552 AM, MC 5552 AMB		Sw,Pa,Stu

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

J.....1	54.02.0440	9 Pol Chassis CRIME D-Typ			
JS.....1		see note 1			
JS.....2		see note 1			
JS.....3		see note 1			
JS.....4		see note 1			
JS.....5		see note 1			
JS.....6		see note 1			
JS.....7		see note 1			
JS.....8		see note 1			
JS.....9		see note 1			
JS.....10		see note 1			
JS.....11		see note 1			
JS.....12		see note 1			
JS.....13		see note 1			
JS.....14		see note 1			
JS.....15		see note 1			
JS.....16		see note 1			
JS.....17		see note 1			
JS.....18		see note 1			
JS.....19		see note 1			
JS.....20		see note 1			
JS.....21		see note 1			
JS.....22		see note 1			
JS.....23		see note 1			
JS.....24		see note 1			
JS.....25		see note 1			
JS.....26		see note 1			
JS.....27		see note 1			
JS.....28		see note 1			
JS.....29		see note 1			
JS.....30		see note 1			
JS.....31		see note 1			
JS.....32		see note 1			
JS.....33		see note 1			
JS.....34		see note 1			
JS.....35		see note 1			
JS.....36		see note 1			
JS.....37		see note 1			
JS.....38		see note 1			

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

R.....6	57.11.3.03	10 kOhm	2%		
R.....7	57.11.3270	27 Ohm	2%		
R.....8	57.11.3331	330 Ohm	2%		
R.....9	57.11.3.02	3 kOhm	2%		
R.....10	57.11.3.02	3 kOhm	2%		
R.....11	57.11.3331	330 Ohm	2%		
R.....12	57.11.3.02	3 kOhm	2%		
R.....13	57.11.3361	360 Ohm	2%		
R.....14	57.11.3361	360 Ohm	2%		
R.....15	57.11.3473	47 kOhm	2%		
R.....16	57.11.3474	470 kOhm	2%		
R.....17	57.11.3512	5.1 kOhm	2%		
R.....18	57.11.3561	560 Ohm	2%		
R.....19	57.11.3561	560 Ohm	2%		
R.....20	57.11.3362	3.3 kOhm	2%		
R.....21	57.11.3362	3.3 kOhm	2%		
R.....22	57.11.3362	3.3 kOhm	2%		
R.....23	57.11.3473	47 kOhm	2%		
R.....24	57.11.3473	47 kOhm	2%		
R.....25	57.11.3473	47 kOhm	2%		
R.....26	57.11.3362	3.3 kOhm	2%		
R.....27	57.11.3474	470 kOhm	2%		
R.....28	57.11.3108	10 kOhm	2%		
R.....29	57.11.3513	5.1 kOhm	2%		
R.....30	57.11.3513	5.1 kOhm	2%		
R.....31	57.11.3524	220 kOhm	2%		
R.....32	57.11.3332	3.3 kOhm	2%		
R.....33	57.11.3332	3.3 kOhm	2%		
R.....34	57.11.3332	3.3 kOhm	2%		
R.....35	57.11.3101	100 Ohm	2%		
R.....36	59.05.1000	100 kOhm	see note 2		
R.....37	59.05.1104	180 kOhm	see note 2		
R.....38	57.11.3332	3.3 kOhm	2%		

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	50.04.0512	1W 5018	1W 5018		Met
DL.....2	50.04.0512	1W 5018	1W 5018		Met
DL.....3	50.04.0125	1W 4448			Fe,ITT,Ph,See,TF
DL.....4	50.04.0125	1W 4448			Fe,ITT,Ph,See,TF
DL.....5	50.04.0127	BAT 42	BAT 85, BAS 40-02		Ph,Stu,Tho
DL.....6	50.04.0125	BAT 42	BAT 85, BAS 40-02		Ph,Stu,Tho
DL.....7	50.04.0125	1W 4448			Fe,ITT,Ph,See,TF
DL.....8	50.04.0125	1W 4448			Fe,ITT,Ph,See,TF
DL.....9	50.04.0125	1W 4448			Fe,ITT,Ph,See,TF
DL.....10	50.04.0125	1W 4448			Fe,ITT,Ph,See,TF
DL.....11	50.04.2179	LX3160-HL	Q 62703	Q 1304	Si
DL.....12	50.04.2130	LX3160-GR	Q 62703	Q 1308	Si

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001				see note 3
DL.....2	55.15.0001				see note 3
DL.....3	55.15.0001				see note 3

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

DL.....1	55.15.0001			
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STUDER A827 MCH



COMMUNICATIONS CONTROLLER 1.820.718.83

Bestückungsseite

1.820.718-83

21.51.8354 (2x)
24.16.1030 (2x)
23.01.1032 (2x)

DL4
K
Höhe DL = 10 ± 0,5
K = Kathode

53.03.0169 (2 x)

53.03.0165 (3 x)

28.21.1370 (3 x)

1.010.035-54 (2 x)

24.16.1030 (2 x)

1.010.006-33 (2 x)

DL 5

1.820.718-01

1.010.096-49

DL 4

R 35

DL 3

DL 2

1.010.004-64

1.820.718-W

53.03.0166 (2 x)

53.03.0168(4x)

1.820.819-12

Diodenhöhe 15,2

1.820.718-03

T1 = Gelber Punkt

1,5 ± 2,5 Lötstellenhöhe

Wiring J1 Pt

1	brn	1
2	yel	2
3	grn	3
4	red	7
5	org	8

1.820.718-04

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.26.0470	47 uF	20%	6.3V	
C.....2	59.06.0683	68 nF	10%		
C.....3	59.22.3101	100 uF	20%	16V	
C.....4	59.06.0683	68 nF	10%		
C.....5	59.06.0683	68 nF	10%		
C.....6	59.36.4101	100 nF	2%		
C.....7	59.06.0683	68 nF	10%		
C.....8	59.06.0683	68 nF	10%		
C.....9	59.06.0683	68 nF	10%		
C.....10	59.06.0103	10 nF	10%		
C.....11	59.06.0683	68 nF	10%		
C.....12	59.06.0683	68 nF	10%		
C.....13	59.06.0683	68 nF	10%		
C.....14	59.06.0683	68 nF	10%		
C.....15	59.06.0683	68 nF	10%		
C.....16	59.06.0102	1 nF	10%		
C.....17	59.26.1200	22 uF	20%	10V	
C.....18	59.06.5102	1 nF	5%		
C.....19	59.06.2100	10 uF	20%	10V	
C.....20	59.06.0474	470 nF	10%		
C.....21	59.06.2100	10 uF	20%	10V	
C.....22	59.26.1479	6.7 uF	20%	10V	
C.....23	59.30.2681	680 nF	10%		
D.....1	50.04.0512	18 5818	18 5819		Not
D.....2	50.04.0512	18 5818	18 5819		Not
D.....3	50.04.0126	18 4480			Fe-ITT,Ph,SeaTie
D.....4	50.04.0125	18 4480			Fe-ITT,Ph,SeaTie
D.....5	50.04.0127	18 4480	BAT 85, BAS 40-02		Ph,Sil,7th
D.....6	50.04.0127	BAT 42	BAT 85, BAS 40-02		Ph,Sil,7th
D.....7	50.04.0125	18 4480			Fe-ITT,Ph,SeaTie
D.....8	50.04.0125	18 4480			Fe-ITT,Ph,SeaTie
D.....9	50.04.0125	18 4480			Fe-ITT,Ph,SeaTie
D.....10	50.04.0125	18 4480			Fe-ITT,Ph,SeaTie
DL.....1	50.04.2129	LS160-HL	Q 62703 - Q 1304		Sie

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
DL.....2	50.04.2130	103160-0E	Q 62703 - Q 1308		Sie
DL.....3	50.04.2130	103160-0E	Q 62703 - Q 1308		Sie
DL.....4	50.04.2130	103160-0E	Q 62703 - Q 1308		Sie
DL.....5	50.04.2130	103160-0E	Q 62703 - Q 1308		Sie
IC.....1	50.16.0101	MC 68450 P	S 68450		AMI,Not
IC.....2	50.15.0106	MC 14890 P	MC 14890 P		Ph,Not,RS,EA,Te,TI,SBS
IC.....3	50.17.1138	74 HC 138	-- 74 HC 138		Ph,Not,RS,EA,Te,TI,SBS
IC.....4	50.16.0114	MC 68452 P	S 68452 P		AMI,Not
IC.....5	50.15.0104	MC 3486 P	MC 3486 P		Ph,Not,RS
IC.....6	50.17.1000	74 HC 00	-- 74 HC 00		Ph,Not,RS,EA,Te,TI,SBS
IC.....7	50.17.1032	74 HC 32	-- 74 HC 32		Ph,Not,RS,EA,Te,TI,SBS
IC.....8	50.17.1574	74 HC 574	-- 74 HC 574		Ph,Not,RS,EA,Te,TI,SBS
IC.....9	50.17.1581	74 HC 541	-- 74 HC 541		Ph,Not,RS,EA,Te,TI,SBS
IC.....10	50.15.0105	MC 3487 P	MC 3487 P		Ph,Not,RS,EA,Te,TI,SBS
IC.....11	50.17.1000	74 HC 00	-- 74 HC 00		Ph,Not,RS
IC.....12	50.15.0104	MC 3486 P	MC 3486 P		Ph,Not,RS
IC.....13	50.17.1008	74 HC 08	-- 74 HC 08		Ph,Not,RS,EA,Te,TI,SBS
IC.....14	50.17.1574	74 HC 574	-- 74 HC 574		Ph,Not,RS,EA,Te,TI,SBS
IC.....15	50.09.0106	NR 5532 AN	NR 5532 AN, RC 5532 AN		Ex,Re,Slg
IC.....16	50.09.0106	NR 5532 AN	NR 5532 AN, RC 5532 AN		Ex,Re,Slg
J.....1	54.02.0440	9 Pol Chassis CRIMP D-Typ			
JS.....1			see note 1		
JS.....2			see note 1		
JS.....3			see note 1		
Q.....1	50.03.0340	IC 337-25			ITT,Ph,Sie
Q.....2	50.03.0340	IC 337-25			ITT,Ph,Sie
R.....1	57.99.0209	5.6 Ohm	PTC-Resistor, Philips nr. 2322 562 91005		
R.....2	57.11.3330	33 Ohm	2%		
R.....3	57.11.3330	33 Ohm	2%		
R.....4	57.11.3102	1 kOhm	2%		
R.....5	57.11.3102	1 kOhm	2%		
R.....6	57.11.3103	10 kOhm	2%		
R.....7	57.11.2370	27 Ohm	2%		
R.....8	57.11.3331	330 Ohm	2%		
R.....9	57.11.3102	1 kOhm	2%		
R.....10	57.11.3102	1 kOhm	2%		
R.....11	57.11.3102	1 kOhm	2%		
R.....12	57.11.3101	180 Ohm	2%		
R.....13	57.11.3561	560 Ohm	2%		
R.....14	57.11.3561	560 Ohm	2%		
R.....15	57.11.3474	470 Ohm	2%		
R.....16	57.11.3474	470 Ohm	2%		
R.....17	57.11.3479	47 Ohm	2%		
R.....18	57.11.3479	47 Ohm	2%		
R.....19	57.11.3561	560 Ohm	2%		
R.....20	57.11.3332	3.3 kOhm	2%		
R.....21	57.11.3332	3.3 kOhm	2%		
R.....22	57.11.3202	2 kOhm	1%		
R.....23	57.11.2679	267 Ohm	2%		
R.....24	57.11.3479	47 Ohm	2%		
R.....25	57.11.3479	47 Ohm	2%		
R.....26	57.11.3333	3.3 kOhm	2%		
R.....27	57.11.3474	470 Ohm	2%		
R.....28	57.11.3474	470 Ohm	2%		
R.....29	57.11.3213	5.1 kOhm	1%		
R.....30	57.11.3213	5.1 kOhm	1%		
R.....31	57.11.3224	220 Ohm	2%		
R.....32	57.11.3332	3.3 kOhm	2%		
R.....33	57.11.3332	3.3 kOhm	2%		
R.....34	56.05.1002	2 kOhm			see note 2
R.....35	57.11.3101	180 Ohm	2%		
R.....36	56.05.1002	2 kOhm			see note 2
R.....37	56.05.1104	100 Ohm	10%		see note 2
R.....38	57.11.3332	3.3 kOhm	2%		
S.....1	55.15.0501		see note 3		
S.....2	55.15.0501		see note 3		
S.....3	55.15.0501		see note 3		

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
RD.....1	57.88.4332			see note 4	
RD.....2	57.88.3151			see note 5	
T.....1	1.022.223.00			Stude Bus Transformer	St

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
STUDER (01) 88/06/21 BD	COMMUNICATIONS CONTROLLER	PL 1.820.718.82	PAGE 4		

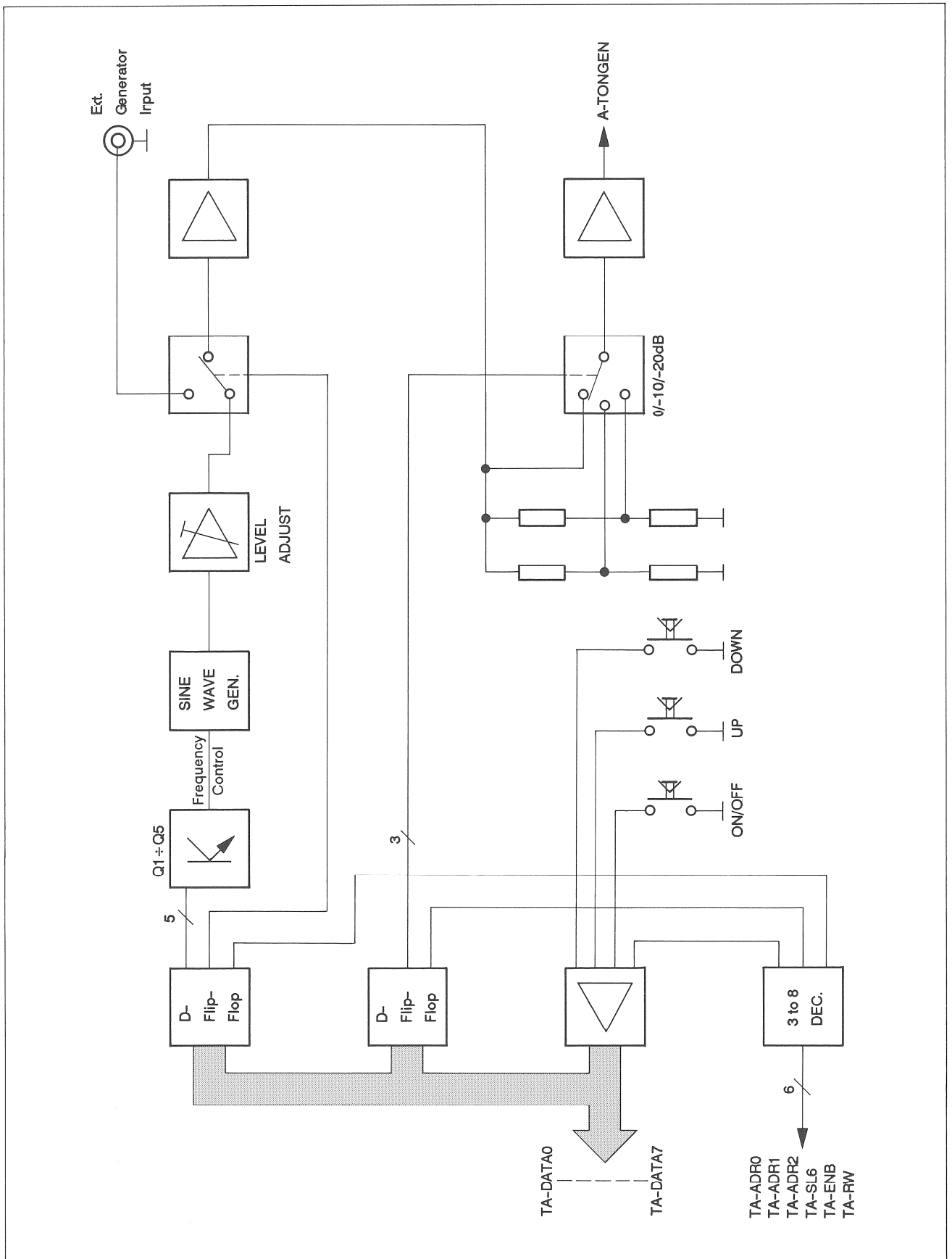
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
(01) 21.06.88	Legent -13.				
Note 1	- contact pins:	Studer nr.:	54.01.0020		
		Recq nr.:	75 160-102-36		
		Philips nr.:	2422 025 89303		
		bridge:	Studer nr.:	54.01.0021	
			65 474-001		
			Philips nr.:	2422 024 88003	
Note 2	- Potentiometer, 2 kOhm:	Bourne nr.:	5296 Y - 1 - 202		
		Special nr.:	44 V 202 T 000		
		Mitsuta nr.:	103 3105 V - 1 - 202		
		Control nr.:	189 MC 202		
Note 3	- Push Button switch:	Shadow serie:	SBRU		
		Buttons:	Studer nr.:	55.15.0510	
			Shadow serie:	SBRUK	
Note 4	- Network B * 3.3 kOhm:	5% single line:	909 A 332		
		A. Beadley nr.:	1 - 09 - 1 - B 3.3 4		
		Reichmann nr.:	4609 M - 101 - 332		
		Bourne nr.:	CSC 09 A 01 - 332 G		
		Dala nr.:	256 C J 332 K2 PD		
		Tama nr.:	MBC C 09 X 3.3 kOhm G		
		Yokote nr.:	PEC 3.3 kOhm 2%		
Note 5	- Network B * 150 Ohm:	5% DIL 161:			
		A. Beadley nr.:	316 B 151		
		Reichmann nr.:	1890 3 - R 150 F		
		Bourne nr.:	4116 B-001 - 151		
		Dala nr.:	MSP 1603 - 151 G		
		Sprague nr.:	916 C 151 X2 SR		
		Yokote nr.:	1599 - 01 - 1500 - G		

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
STUDER (01) 88/06/21 BD	COMMUNICATIONS CONTROLLER	PL 1.820.718.82	PAGE 5		

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
RD.....1	57.11.2370	27 Ohm	2%		
RD.....2	57.11.3331	330 Ohm	2%		
RD.....3	57.11.3102	1 kOhm	2%		
RD.....4	57.11.3102	1 kOhm	2%		
RD.....5	57.11.3102	1 kOhm	2%		
RD.....6	57.11.3101	180 Ohm	2%		
RD.....7	57.11.3561	560 Ohm	2%		
RD.....8	57.11.3561	560 Ohm	2%		
RD.....9	57.11.3474	470 Ohm	2%		
RD.....10	57.11.3474	470 Ohm	2%		
RD.....11	57.11.3479	47 Ohm	2%		
RD.....12	57.11.3479	47 Ohm	2%		
RD.....13	57.11.3561	560 Ohm	2%		
RD.....14	57.11.3332	3.3 kOhm	2%		
RD.....15	57.11.3332	3.3 kOhm	2%		
RD.....16	57.11.3202	2 kOhm	1%		
RD.....17	57.11.2679	267 Ohm	2%		
RD.....18	57.11.3479	47 Ohm	2%		
RD.....19	57.11.3479	47 Ohm	2%		
RD.....20	57.11.3333	3.3 kOhm	2%		
RD.....21	57.11.3474	470 Ohm	2%		
RD.....22	57.11.3474	470 Ohm	2%		
RD.....23	57.11.3213	5.1 kOhm	1%		
RD.....24	57.11.3213	5.1 kOhm	1%		
RD.....25	57.11.3224	220 Ohm	2%		
RD.....26	57.11.3332	3.3 kOhm	2%		
RD.....27	57.11.3332	3.3 kOhm	2%		
RD.....28	56.05.1002	2 kOhm			see note 2
RD.....29	57.11.3101	180 Ohm	2%		
RD.....30	56.05.1002	2 kOhm			see note 2
RD.....31	56.05.1104	100 Ohm	10%		see note 2
RD.....32	57.11.3332	3.3 kOhm	2%		
RD.....33	55.15.0501		see note 3		
RD.....34	55.15.0501		see note 3		
RD.....35	55.15.0501		see note 3		

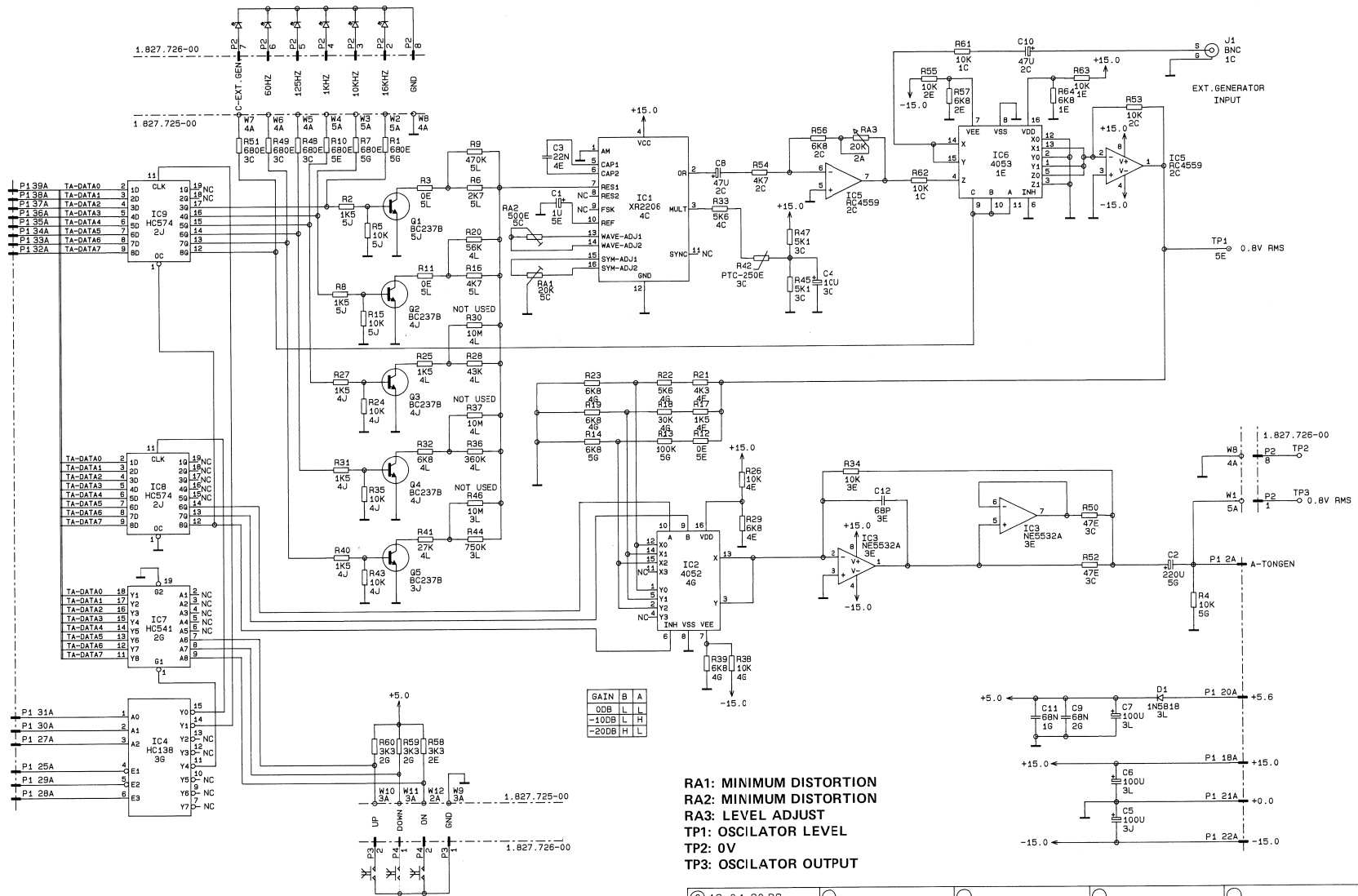
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
STUDER (01) 88/06/21 BD	COMMUNICATIONS CONTROLLER	PL 1.820.718.82	PAGE 6		

BLOCK DIAGRAM
GENERATOR UNIT PCB 1.827.725.00





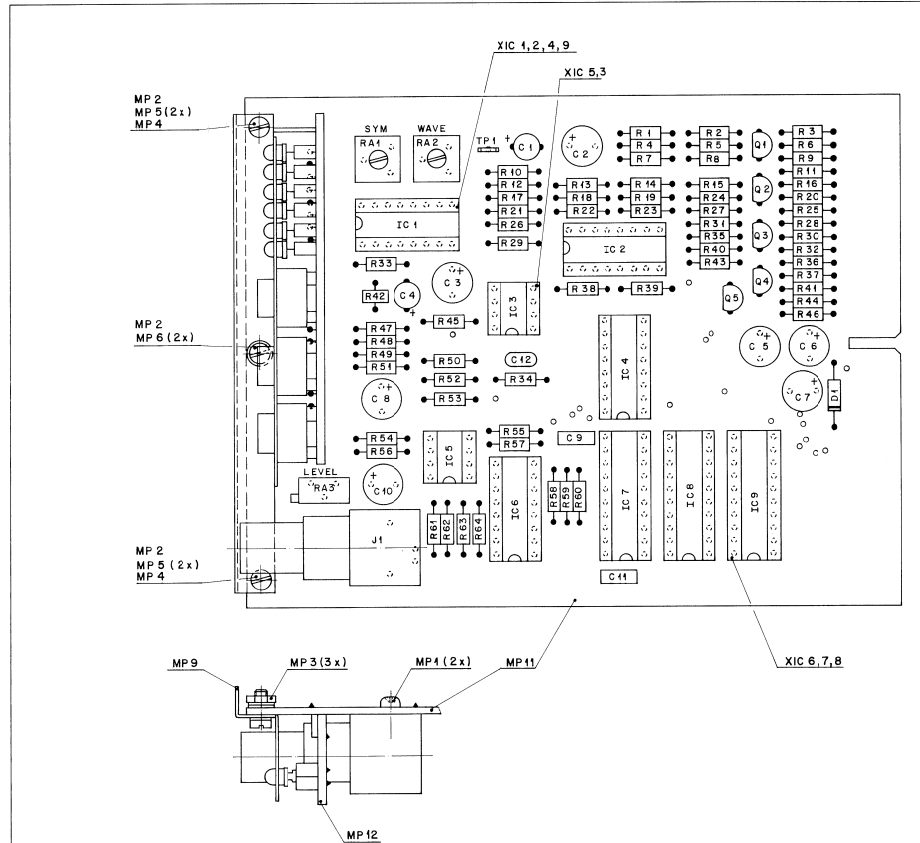
GENERATOR UNIT PCB 1.827.725.00



- RA1: MINIMUM DISTORTION
- RA2: MINIMUM DISTORTION
- RA3: LEVEL ADJUST
- TP1: OSCILLATOR LEVEL
- TP2: 0V
- TP3: OSCILLATOR OUTPUT

① 19.04.90 DS			
		A827	PAGE 1 OF 1
STUDER		GENERATOR UNIT PCB	
		SC 1.827.725-00	

GENERATOR UNIT PCB 1.827.725.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...	18	57.11.3603	30k	MF 1X	
R...	19	57.11.3602	6k8	MF 1X	
R...	20	57.11.3603	56k	MF 1X	
R...	21	57.11.3602	4k3	MF 1X	
R...	22	57.11.3602	5k6	MF 1X	
R...	23	57.11.3602	6k8	MF 1X	
R...	24	57.11.3103	10k	MF 1X	
R...	25	57.11.3102	1k5	MF 1X	
R...	26	57.11.3103	10k	MF 1X	
R...	27	57.11.3102	1k5	MF 1X	
R...	28	57.11.3433	43k	MF 1X	
R...	29	57.11.3602	6k8	MF 1X	
R...	30	57.11.5106	10M	MF 1X	
R...	31	57.11.3102	1k5	MF 1X	
R...	32	57.11.3602	6k8	MF 1X	
R...	33	57.11.3602	5k6	MF 1X	
R...	34	57.11.3103	10k	MF 1X	
R...	35	57.11.3103	10k	MF 1X	
R...	36	57.11.3364	360k	MF 1X	
R...	37	57.11.5106	10M	MF 1X	
R...	38	57.11.3103	10k	MF 1X	
R...	39	57.11.3602	6k8	MF 1X	
R...	40	57.11.3102	1k5	MF 1X	
R...	41	57.11.2078	27k	MF 1X	
R...	42	57.99.0216	250Ω	FTC-Resistor 20mA 25V	
R...	43	57.11.3103	10k	MF 1X	
R...	44	57.11.3103	10k	MF 1X	
R...	45	57.11.3103	10k	MF 1X	
R...	46	57.11.3103	10k	MF 1X	
R...	47	57.11.3602	6k8	MF 1X	
R...	48	57.11.5106	10M	MF 1X	
R...	49	57.11.3601	680Ω	MF 1X	
R...	50	57.11.3601	47k	MF 1X	
R...	51	57.11.3601	680Ω	MF 1X	
R...	52	57.11.3601	47k	MF 1X	
R...	53	57.11.3103	10k	MF 1X	
R...	54	57.11.3602	4k7	MF 1X	

STUDER (00) 90/04/19 DS GENERATOR UNIT PL 1.827.725.00 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...	55	57.11.3103	10k	MF 1X	
R...	56	57.11.3602	6k8	MF 1X	
R...	57	57.11.3602	6k8	MF 1X	
R...	58	57.11.3332	3k3	MF 1X	
R...	59	57.11.3332	3k3	MF 1X	
R...	60	57.11.3332	3k3	MF 1X	
R...	61	57.11.3103	10k	MF 1X	
R...	62	57.11.3103	10k	MF 1X	
R...	63	57.11.3103	10k	MF 1X	
R...	64	57.11.3602	6k8	MF 1X	
RA...	1	58.01.0203	20k	0.5W 10% 3/8" Screw Horiz.	
RA...	2	58.01.0201	600Ω	0.5W 10% 3/8" Screw Horiz.	
RA...	3	58.05.0203	20k	0.5W 10% 22-turn Screw Horiz.	
S...	1	55.15.0130		Switch closing non-latching 4-PIN	ITT
S...	2	55.15.0130		Switch closing non-latching 4-PIN	ITT
S...	3	55.15.0130		Switch closing non-latching 4-PIN	ITT
TP...	1	54.02.0320		Flat-Pin 2.8x0.8 mm straight	AMP
TP...	2	54.02.0320		Flat-Pin 2.8x0.8 mm straight	AMP
TP...	3	54.02.0320		Flat-Pin 2.8x0.8 mm straight	AMP
XIC...	1	53.03.0168	16-pin	IC-socket	
XIC...	2	53.03.0166	16-pin	IC-socket	
XIC...	3	53.03.0166	8-pin	IC-socket	
XIC...	4	53.03.0166	16-pin	IC-socket	
XIC...	5	53.03.0166	8-pin	IC-socket	
XIC...	6	53.03.0166	20-pin	IC-socket	
XIC...	7	53.03.0166	20-pin	IC-socket	
XIC...	8	53.03.0166	20-pin	IC-socket	
XIC...	9	53.03.0168	16-pin	IC-socket	

STUDER (00) 90/04/19 DS GENERATOR UNIT PL 1.827.725.00 PAGE 4

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...	1	59.23.8109	1u	50V -20% +50% EL	
C...	2	59.23.2221	220n	0V -20% +50% EL	
C...	3	59.01.13	22n	50V 1% PP	
C...	4	59.23.6100	10n	25V -20% +50% EL	
C...	5	59.23.5101	100n	25V -20% +50% EL	
C...	6	59.23.5101	100n	25V -20% +50% EL	
C...	7	59.23.5101	100n	25V -20% +50% EL	
C...	8	59.23.5470	47n	25V -20% +50% EL	
C...	9	59.04.0403	68n	50V 10% PETZ	
C...	10	59.23.5470	47n	25V -20% +50% EL	
C...	11	59.04.0403	68n	50V 10% PETZ	
C...	12	59.34.4680	68p	63V 5% CER	
D...	1	50.04.0512	1K5018	50V Schottky	GI-Met
DL...	1	50.04.2130	LY360	ED 3.0 mm yel	Sie
DL...	2	50.04.2130	LY360	ED 3.0 mm yel	Sie
DL...	3	50.04.2131	LY360	ED 3.0 mm grn	Sie
DL...	4	50.04.2130	LY360	ED 3.0 mm yel	Sie
DL...	5	50.04.2130	LY360	ED 3.0 mm yel	Sie
DL...	6	50.04.2130	LY360	ED 3.0 mm yel	Sie
IC...	1	50.11.0108	NE2006	Function Generator	Ex
IC...	2	50.07.0024	4052	Quad 4-Channel Analog Switch	NS
IC...	3	50.09.0108	NE5558	Quad Opamp Low Noise	NS
IC...	4	50.17.1139	74HC138	3-to-8-Line Decoder	NS
IC...	5	50.09.0107	HC4559	Quad Opamp	NS
IC...	6	50.07.0015	4053	Triple 2-Channel Analog Switch	NS
IC...	7	50.17.1242	74HC541	J-K Flip-Flop	NS
IC...	8	50.17.1274	74HC574	Octal D-Type Flip-Flop	NS
IC...	9	50.17.1274	74HC574	Octal D-Type Flip-Flop	NS
J...	1	54.21.2021		IRC-Connector Exp. horiz. PCB-mounted	AMP
MP...	1	20.24.7080	2 pin	Screw 2.5 x 8 mm for IRC-Connector	
MP...	2	21.01.0279	3 pin	Screw R 2.5 x 6 mm	
MP...	3	22.01.5025	3 pin	Hexagon Nut R 2.5 x 0.5 D	

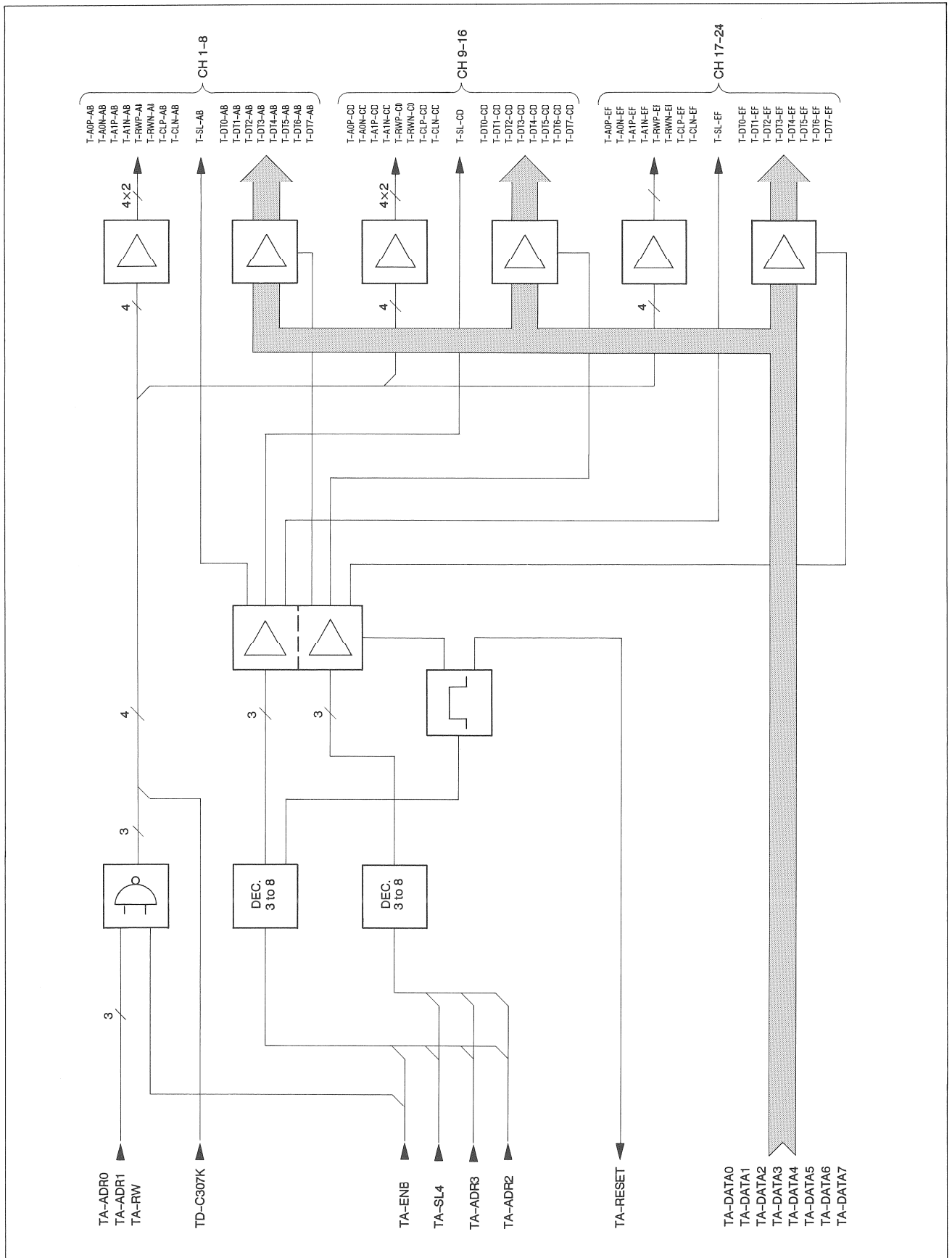
STUDER (00) 90/04/19 DS GENERATOR UNIT PL 1.827.725.00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
MP...	4	25.01.1027	2 pin	Washer D 2.7 / 5 / 0.5 mm	
MP...	5	24.16.1025	4 pin	Pin Header D 2.7 / 5 mm	
MP...	6	24.16.1025	2 pin	Header Lock Washer 2.0 mm	
MP...	7	43.03.0108	1 pin	ESD Warning Label	
MP...	8	33.03.0280	6 pin	IC-socket 7-pin	
MP...	9	1.827.725.02	1 pin	Frontpanel	San
MP...	10	1.827.725.10	1 pin	Re. Label	ST
MP...	11	1.827.725.11	1 pin	GENERATOR UNIT PCB	ST
MP...	12	1.827.725.12	1 pin	REBOARD GENERATOR PCB	ST
F...	1	54.01.0270	8-pin	CIS-Pin short horiz.	AMP
F...	2	54.01.0256	2-pin	CIS-Pin short horiz.	AMP
F...	3	54.01.0256	2-pin	CIS-Pin short horiz.	AMP
F...	4	54.01.0256	2-pin	CIS-Pin short horiz.	AMP
G...	1	50.03.0436	EC2378	RFK TO92-1	
G...	2	50.03.0436	EC2378	RFK TO92-1	
G...	3	50.03.0436	EC2378	RFK TO92-1	
G...	4	50.03.0436	EC2378	RFK TO92-1	
G...	5	50.03.0436	EC2378	RFK TO92-1	
R...	1	57.11.3601	680Ω	MF 1X	
R...	2	57.11.3152	1k5	MF 1X	
R...	3	57.11.3103	10k	MF 1X	
R...	4	57.11.3103	10k	MF 1X	
R...	5	57.11.3272	2k7	MF 1X	
R...	6	57.11.3601	680Ω	MF 1X	
R...	7	57.11.3152	1k5	MF 1X	
R...	8	57.11.3601	680Ω	MF 1X	
R...	9	57.11.3601	680Ω	MF 1X	
R...	10	57.11.3601	680Ω	MF 1X	
R...	11	57.11.3601	680Ω	MF 1X	
R...	12	57.11.3601	680Ω	MF 1X	
R...	13	57.11.3104	100k	MF 1X	
R...	14	57.11.3602	6k8	MF 1X	
R...	15	57.11.3103	10k	MF 1X	
R...	16	57.11.3472	4k7	MF 1X	
R...	17	57.11.3152	1k5	MF 1X	

STUDER (00) 90/04/19 DS GENERATOR UNIT PL 1.827.725.00 PAGE 2

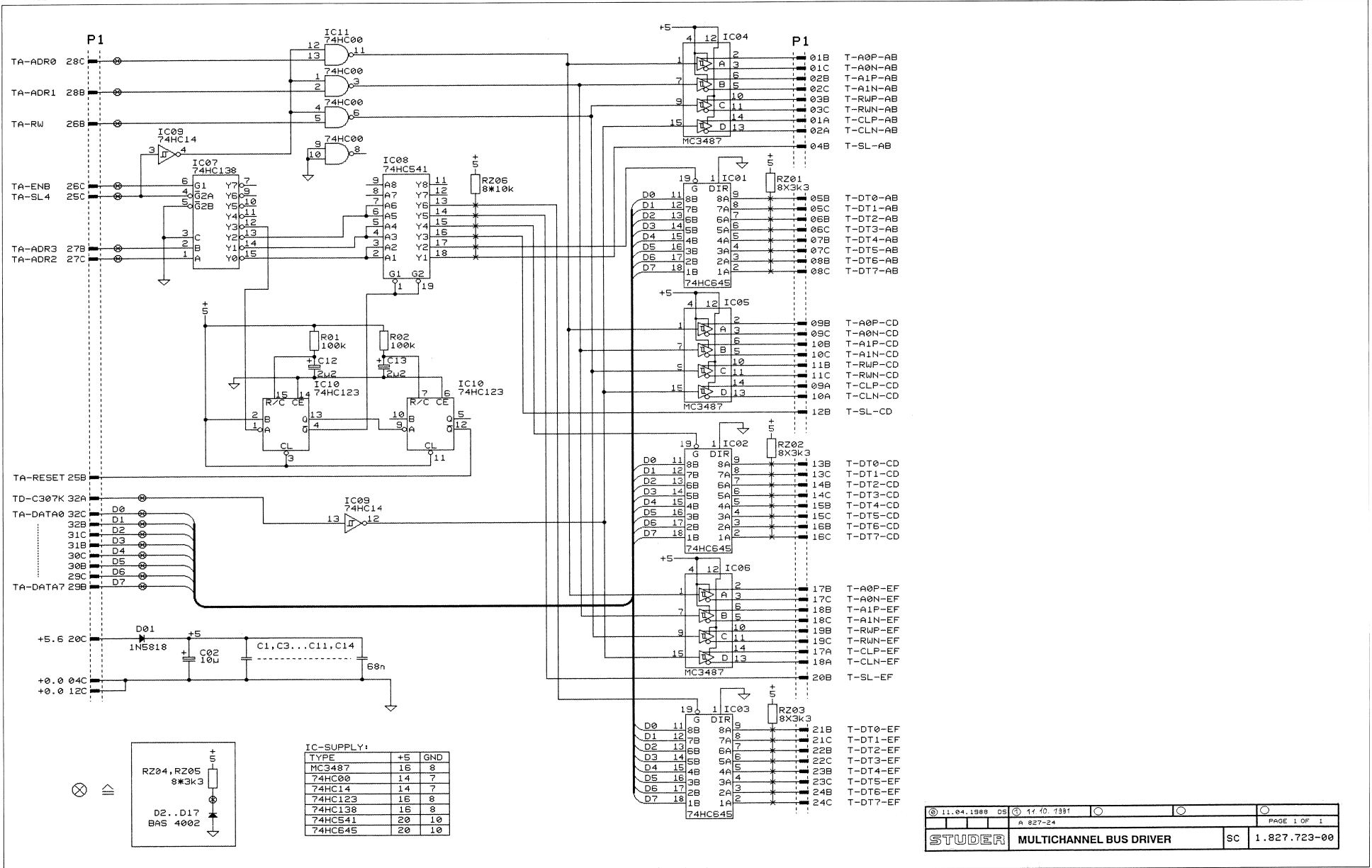
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
ORIG	90/04/19				
STUDER	(00)	90/04/19 DS	GENERATOR UNIT		PL 1.827.725.00 PAGE 5

BLOCK DIAGRAM
MULTICHANNEL BUS DRIVER 1.827.723.00



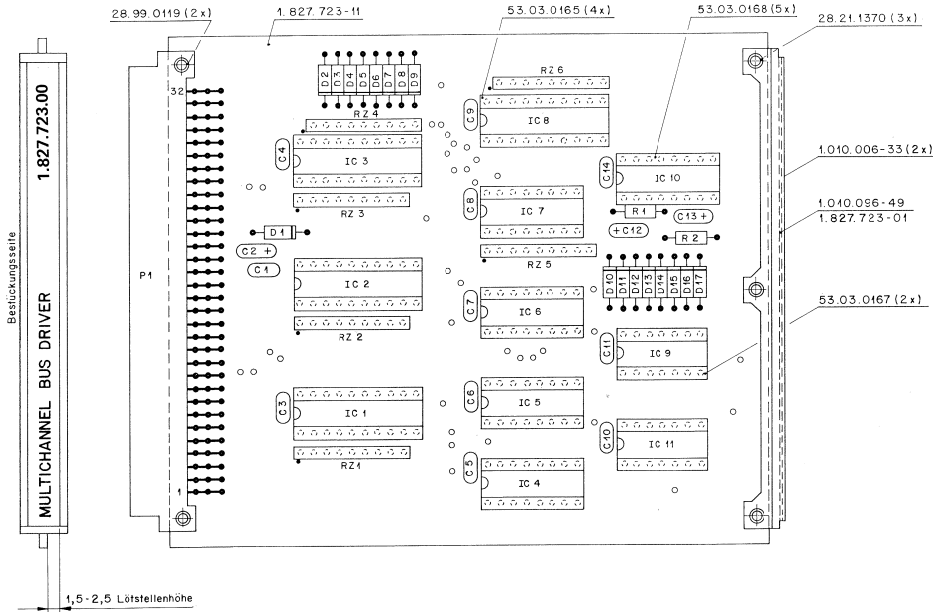


MULTICHANNEL BUS DRIVER 1.827.723.00





MULTICHANNEL BUS DRIVER 1.827.723.00



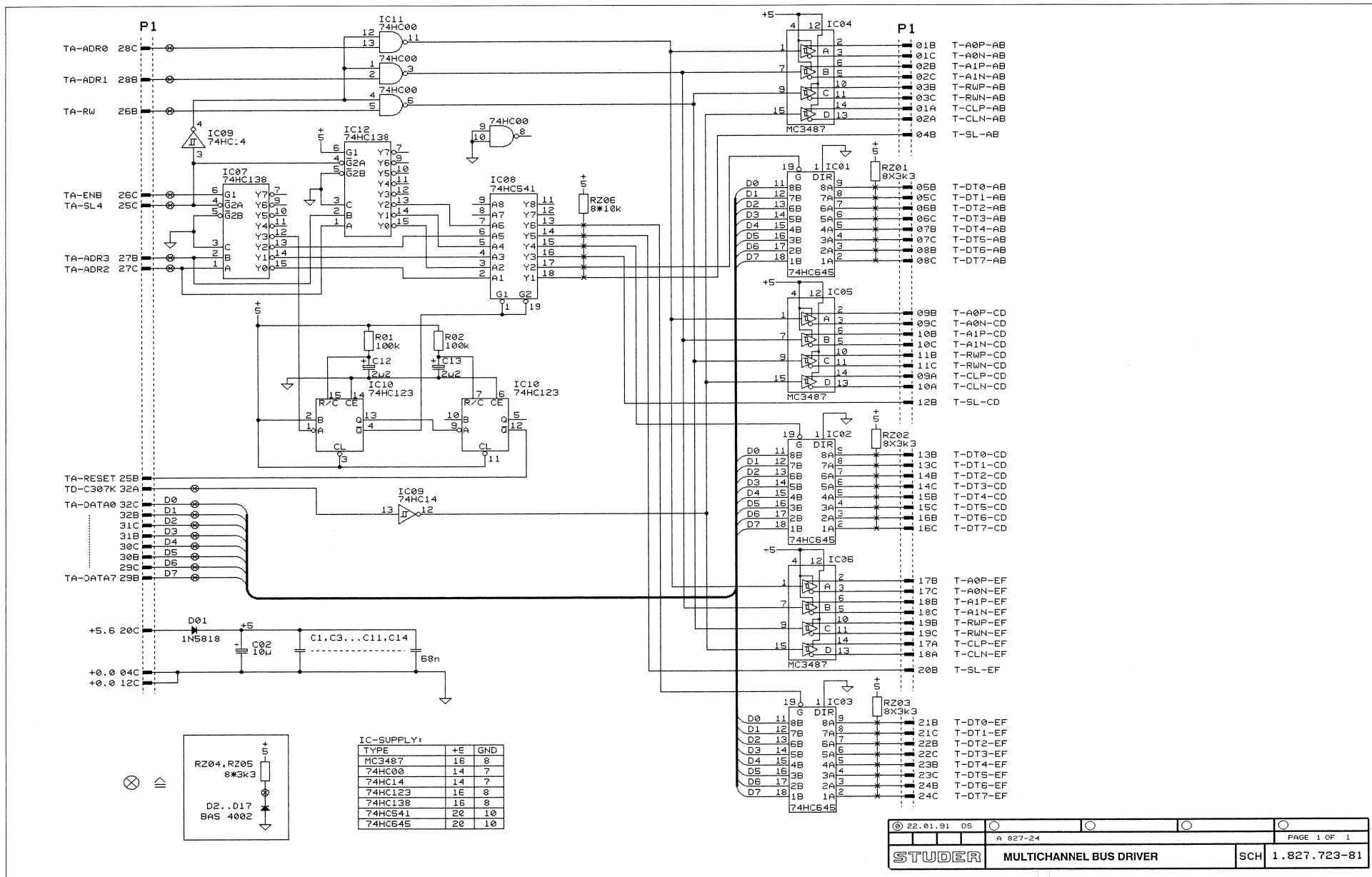
Ad	.POS.	.REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.40.0683	68 nF	10%	
C....2	59.42.1100	10 uF	20%	10V, Sa1
C....3	59.40.0683	68 nF	10%	
C....4	59.40.0683	68 nF	10%	
C....5	59.40.0683	68 nF	10%	
C....6	59.40.0683	68 nF	10%	
C....7	59.40.0683	68 nF	10%	
C....8	59.40.0683	68 nF	10%	
C....9	59.40.0683	68 nF	10%	
C....10	59.40.0683	68 nF	10%	
C....11	59.40.0683	68 nF	10%	
C....12	59.26.0680	68 uF	20%, 6.3V, Sa1	
C....13	59.26.5229	2.2 uF	20%, 25V, Sa1	
C....14	59.40.0683	68 nF	10%	
D....1	50.04.0512	1N 5818	1N 5819	Not
D....2	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....3	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....4	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....5	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....6	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....7	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....8	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....9	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....10	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....11	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....12	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....13	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....14	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....15	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....16	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....17	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
IC....1	50.17.1645	74HC645	Octal Transceiver tri	
IC....2	50.17.1645	74HC645	Octal Transceiver tri	
IC....3	50.17.1645	74HC645	Octal Transceiver tri	
IC....4	50.15.0105	MC3487 P	Quad Line Driver RS-422	Not,NS
IC....5	50.15.0105	MC3487 P	Quad Line Driver RS-422	Not,NS
IC....6	50.15.0105	MC3487 P	Quad Line Driver RS-422	Not,NS
IC....7	50.17.1138	74HC138	3-to-8-Line Decoder	
IC....8	50.17.1541	74HC541	Octal Bus Driver tri	
IC....9	50.17.1014	74HC14	Hex Inverter	
IC....10	50.17.1123	74HC123	Dual Monoflop	
IC....11	50.17.1000	74HC00	Quad 2-Input NAND-Gate	
MP....1	28.21.1370	3 pcs	Rivet D 2.25*5.5	
MP....2	28.99.0119	2 pcs	Rivet D 2.5*0.15*10	
MP....3	43.01.0108	1 pce	ESE-Warning Label	
MP....4	1.010.006.33	2 pcs	Handle	
MP....5	1.010.096.49	1 pce	Transparent Shield	
MP....6	1.827.723.01	1 pce	Nr. Label 6.3 * 91 mm	ST
MP....7	1.827.723.11	1 pce	BUS DRIVER PCB 24CH	
P....1	54.01.0358	3*32-pole	Eurocard-Connector Print	
R....1	57.11.3104	100 kOhm	2%	
R....2	57.11.3104	100 kOhm	2%	
RZ....1	57.88.4332	8*3.3kOhm	5%	
RZ....2	57.88.4332	8*3.3kOhm	5%	
RZ....3	57.88.4332	8*3.3kOhm	5%	
RZ....4	57.88.4332	8*3.3kOhm	5%	
RZ....5	57.88.4332	8*3.3kOhm	5%	
RZ....6	57.88.4103	8*10 kOhm	5%	
XIC...1	53.03.0165	20-pole	IC-Socket	
XIC...2	53.03.0165	20-pole	IC-Socket	
XIC...3	53.03.0165	20-pole	IC-Socket	
XIC...4	53.03.0168	16-pole	IC-Socket	
XIC...5	53.03.0168	16-pole	IC-Socket	
XIC...6	53.03.0168	16-pole	IC-Socket	
XIC...7	53.03.0168	16-pole	IC-Socket	
XIC...8	53.03.0165	20-pole	IC-Socket	
XIC...9	53.03.0167	14-pole	IC-Socket	
XIC...10	53.03.0168	16-pole	IC-Socket	
XIC...11	53.03.0167	14-pole	IC-Socket	

Sa1=Solid Aluminium

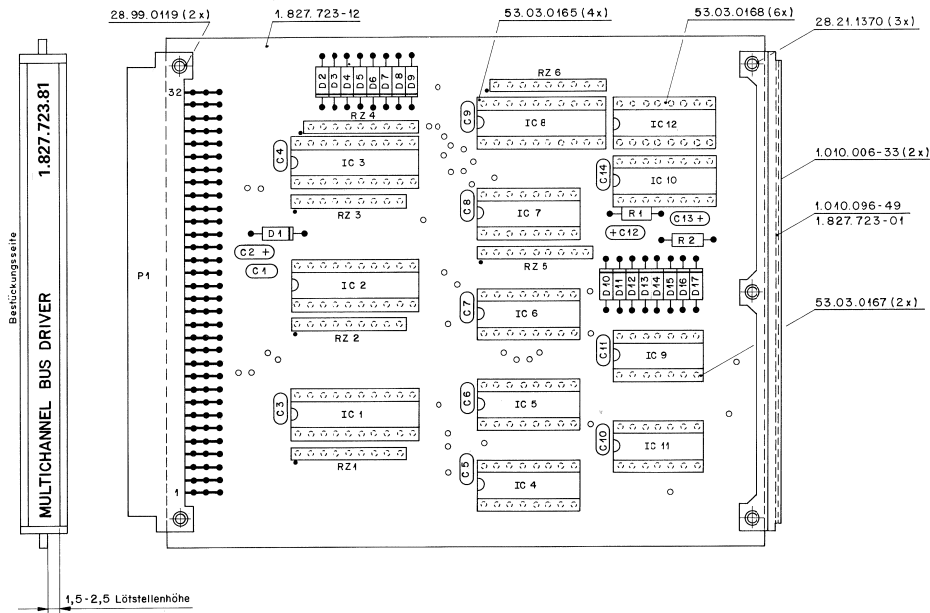
MANUFACTURER: Mot= Motorola, NS= National Semiconductor, Ph= Philips, Sie= Siemens, Tho= Thomson-SGS, ST= STUDER

1.827.723.00 BUS DRIVER 24CH DS 89/02/1300

MULTICHANNEL BUS DRIVER 1.827.723.81



MULTICHANNEL BUS DRIVER 1.827.723.81



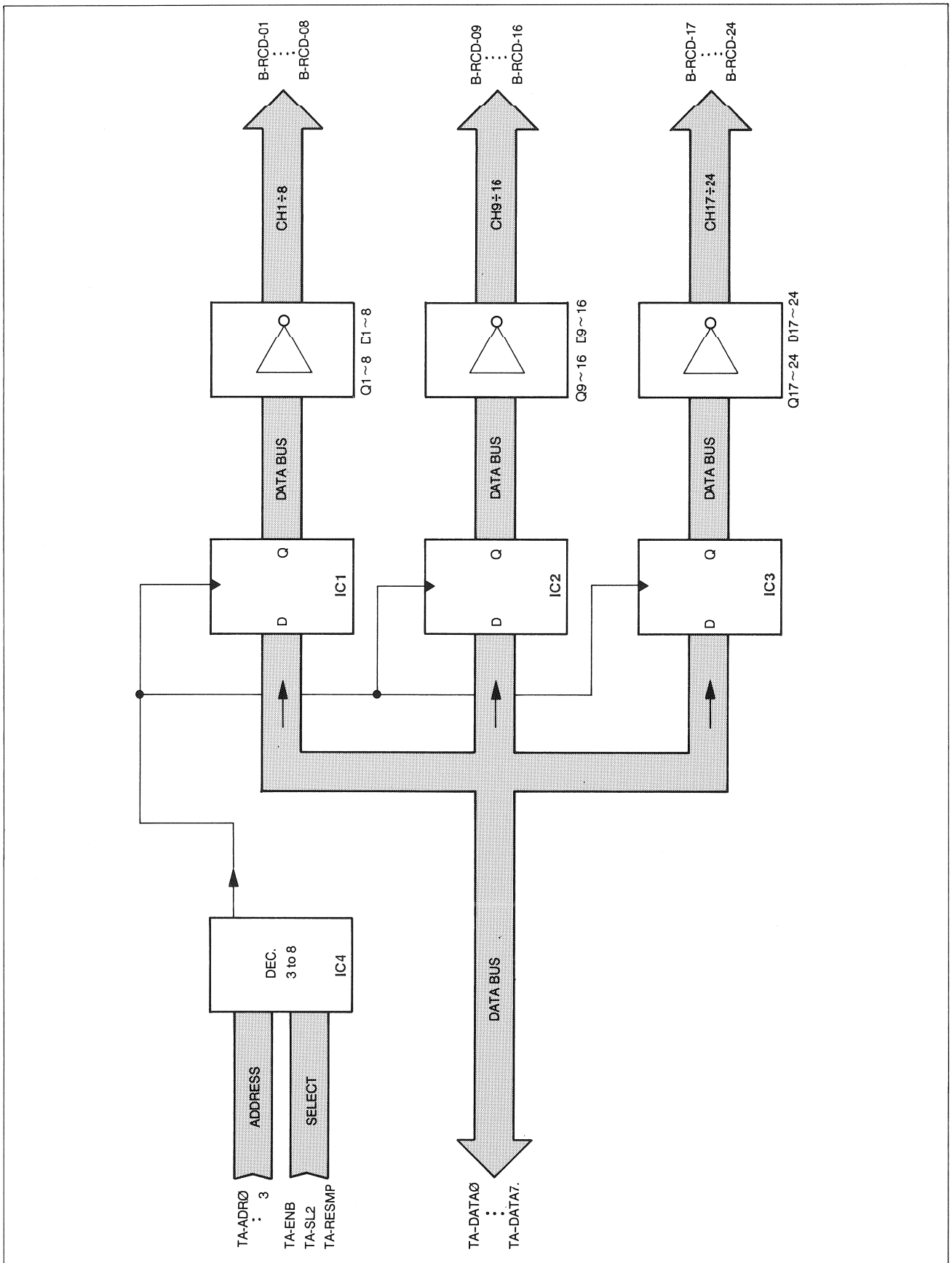
M	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.40.0683	68 nF	10%	
C....2	59.42.1100	10 uF	20%, 10V, Sal	
C....3	59.40.0683	68 nF	10%	
C....4	59.40.0683	68 nF	10%	
C....5	59.40.0683	68 nF	10%	
C....6	59.40.0683	68 nF	10%	
C....7	59.40.0683	68 nF	10%	
C....8	59.40.0683	68 nF	10%	
C....9	59.40.0683	68 nF	10%	
C....10	59.40.0683	68 nF	10%	
C....11	59.40.0683	68 nF	10%	
C....12	59.26.0680	68 uF	20%, 6.3V, Sal	
C....13	59.26.5229	2.2 uF	20%, 25V, Sal	
C....14	59.40.0683	68 nF	10%	
D....1	50.04.0512	1M 5818	1M 5819	Mot
D....2	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....3	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....4	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....5	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....6	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....7	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....8	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....9	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....10	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....11	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....12	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....13	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....14	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....15	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....16	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
D....17	50.04.0127	BAT 42	BAT 85, BAS 40-02	Ph,Sie,Tho
IC....1	50.17.1645	74HC645	Octal Transceiver tri	
IC....2	50.17.1645	74HC645	Octal Transceiver tri	
IC....3	50.17.1645	74HC645	Octal Transceiver tri	
IC....4	50.15.0105	MC3487 P	Quad Line Driver RS-422	Mot,NS
IC....5	50.15.0105	MC3487 P	Quad Line Driver RS-422	Mot,NS
IC....6	50.15.0105	MC3487 P	Quad Line Driver RS-422	Mot,NS
IC....7	50.17.1138	74HC138	3-to-8-Line Decoder	
IC....8	50.17.1541	74HC541	Octal Bus Driver tri	
IC....9	50.17.1014	74HC14	Hex Inverter	
IC....10	50.17.1123	74HC123	Dual Monoflop	
IC....11	50.17.1000	74HC00	Quad 2-Input NAND-Gate	
IC....12	50.17.1138	74HC138	3-to-8-Line Decoder	
MP....1	28.21.1370	3 pcs	Rivet D 2.25*5.5	
MP....2	28.99.0119	2 pcs	Rivet D 2.5*0.15*10	
MP....3	43.01.0108	1 pce	ESD-Warning Label	
MP....4	1.010.006.33	2 pcs	Handle	
MP....5	1.010.096.49	1 pce	Transparent Shield	
MP....6	1.827.723.01	1 pce	Mr. Label 6.3 * 91 mm	ST
MP....7	1.827.723.12	1 pce	BUS DRIVER PCB 24CH	
P....1	54.01.0358	3*32-pole	Eurocard-Connector Print	
R....1	57.11.3104	100 kOhm	2%	
R....2	57.11.3104	100 kOhm	2%	
RZ....1	57.88.4332	8*3.3kOhm	5%	
RZ....2	57.88.4332	8*3.3kOhm	5%	
RZ....3	57.88.4332	8*3.3kOhm	5%	
RZ....4	57.88.4332	8*3.3kOhm	5%	
RZ....5	57.88.4332	8*3.3kOhm	5%	
RZ....6	57.88.4103	8*10 kOhm	5%	
XIC....1	53.03.0165	20-pole	IC-Socket	
XIC....2	53.03.0165	20-pole	IC-Socket	
XIC....3	53.03.0165	20-pole	IC-Socket	
XIC....4	53.03.0168	16-pole	IC-Socket	
XIC....5	53.03.0168	16-pole	IC-Socket	
XIC....6	53.03.0168	16-pole	IC-Socket	
XIC....7	53.03.0168	16-pole	IC-Socket	
XIC....8	53.03.0165	20-pole	IC-Socket	
XIC....9	53.03.0167	14-pole	IC-Socket	
XIC....10	53.03.0168	16-pole	IC-Socket	
XIC....11	53.03.0167	14-pole	IC-Socket	
XIC....12	53.03.0168	16-pole	IC-Socket	

Sal=Solid Aluminium

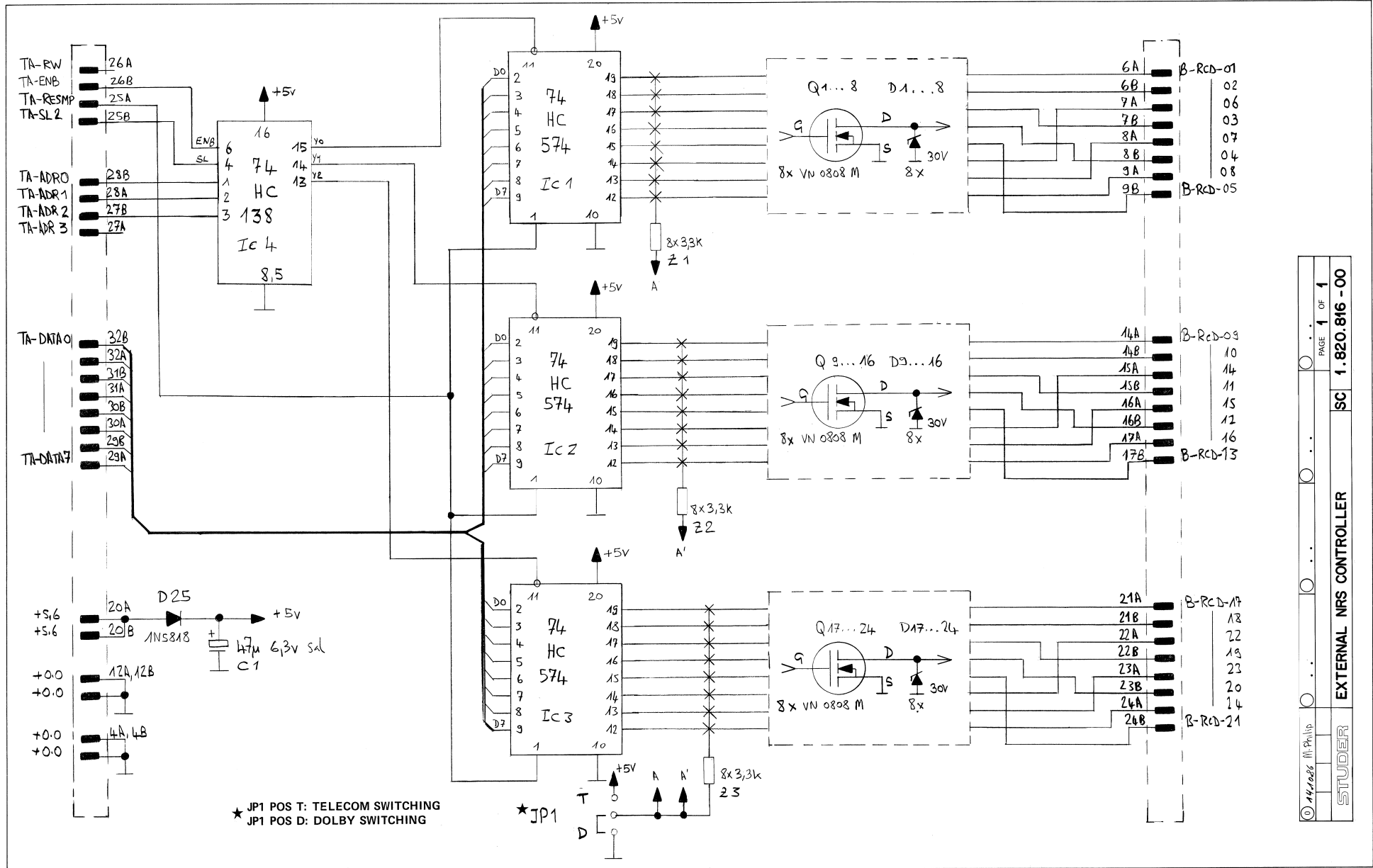
MANUFACTURER: Mot= Motorola, NS= National Semiconductor, Ph= Philips,
 St= Siemens, Tho= Thomson-SGS, ST= STUDER

1.827.723.81 BUS DRIVER 24CH GP 91/02/1500

BLOCK DIAGRAM
EXTERNAL NRS CONTROLLER 1.820.816

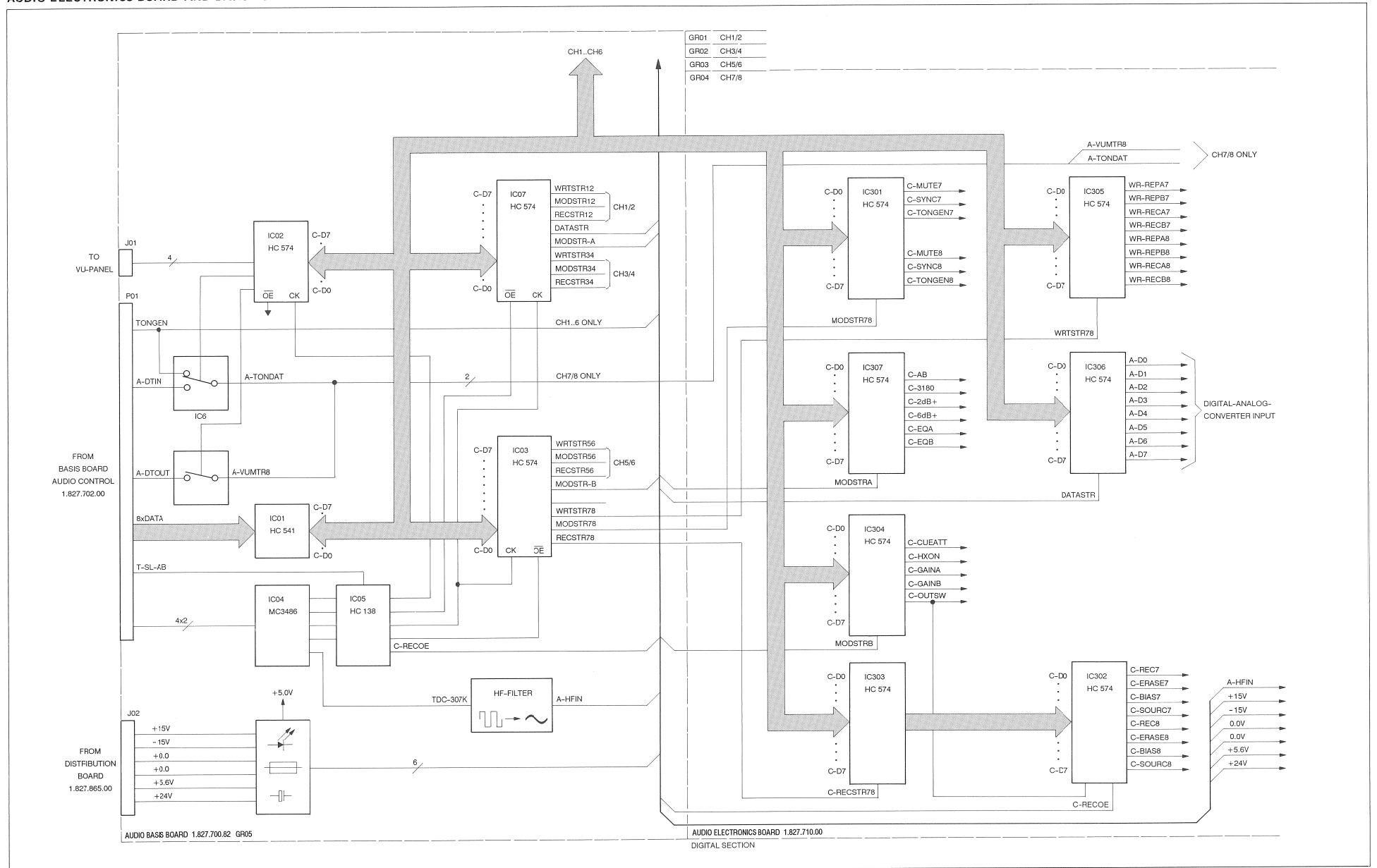


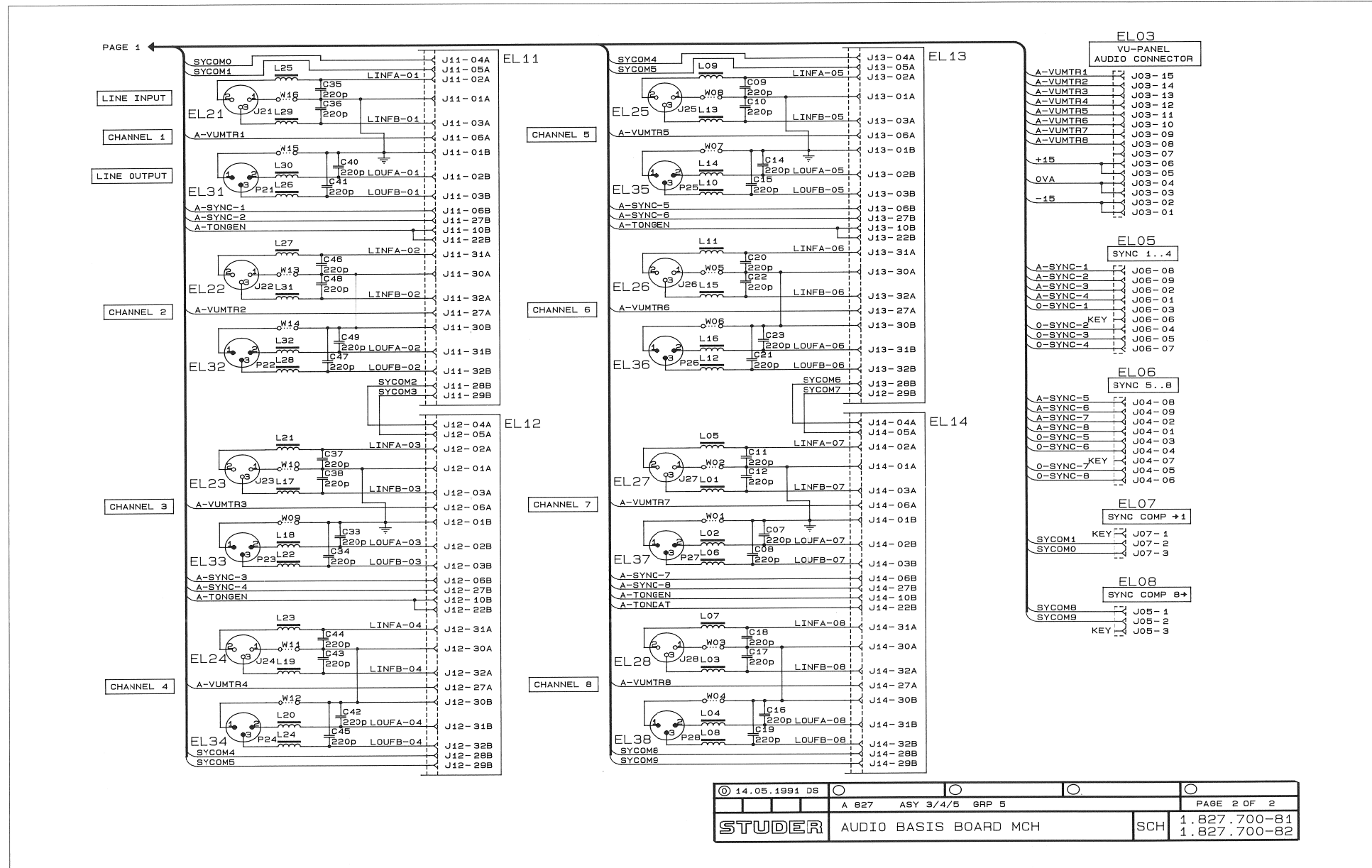
EXTERNAL NRS CONTROLLER 1.820.816.00



STUDER A827 MCH

BLOCK DIAGRAM AUDIO ELECTRONICS BOARD AND BASIS BOARD

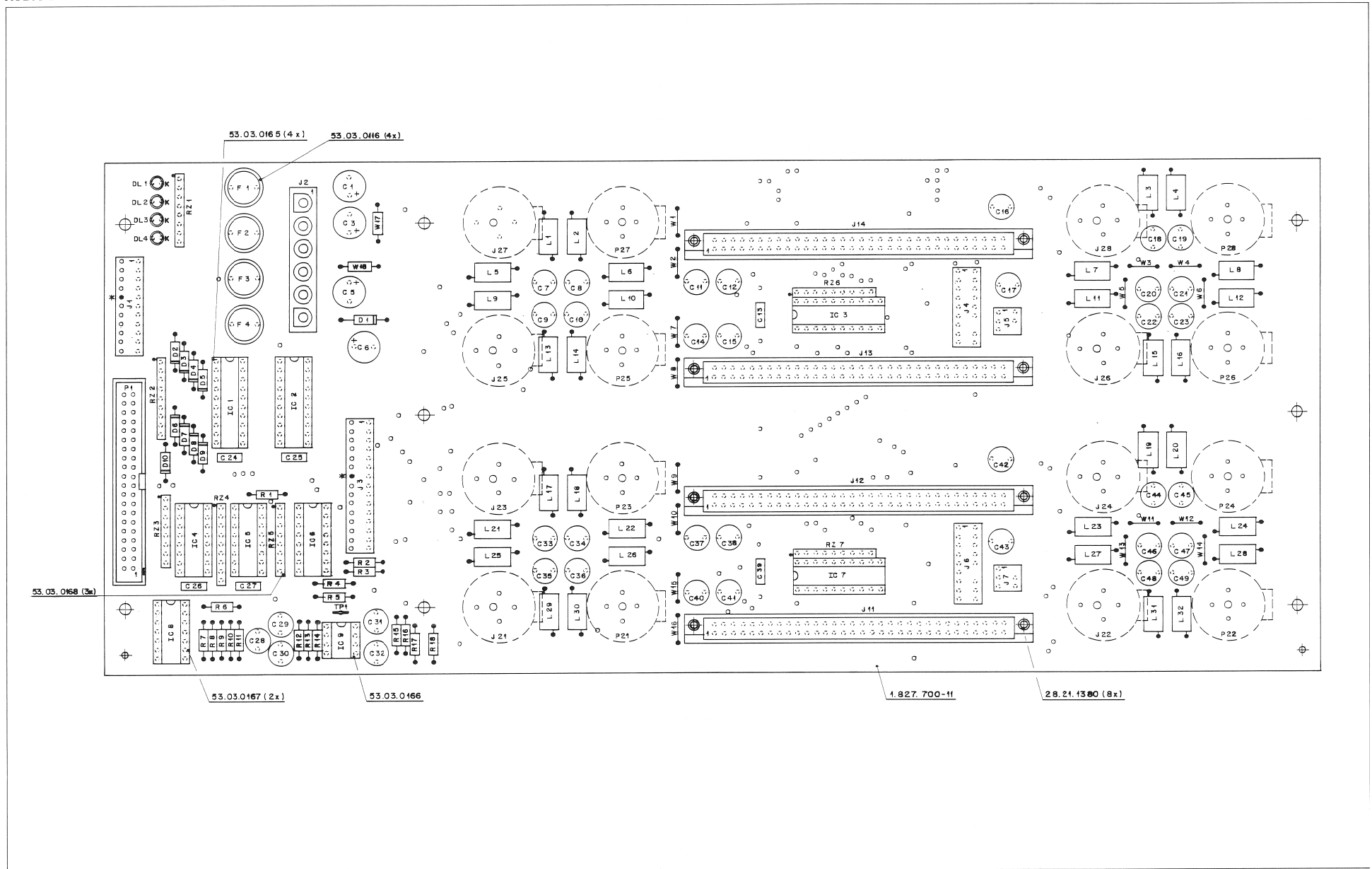




© 14.05.1991 DS	A 827 ASY 3/4/5 GRP 5	PAGE 2 OF 2
STUDER	AUDIO BASIS BOARD MCH	SCH
		1.827.700-81
		1.827.700-82

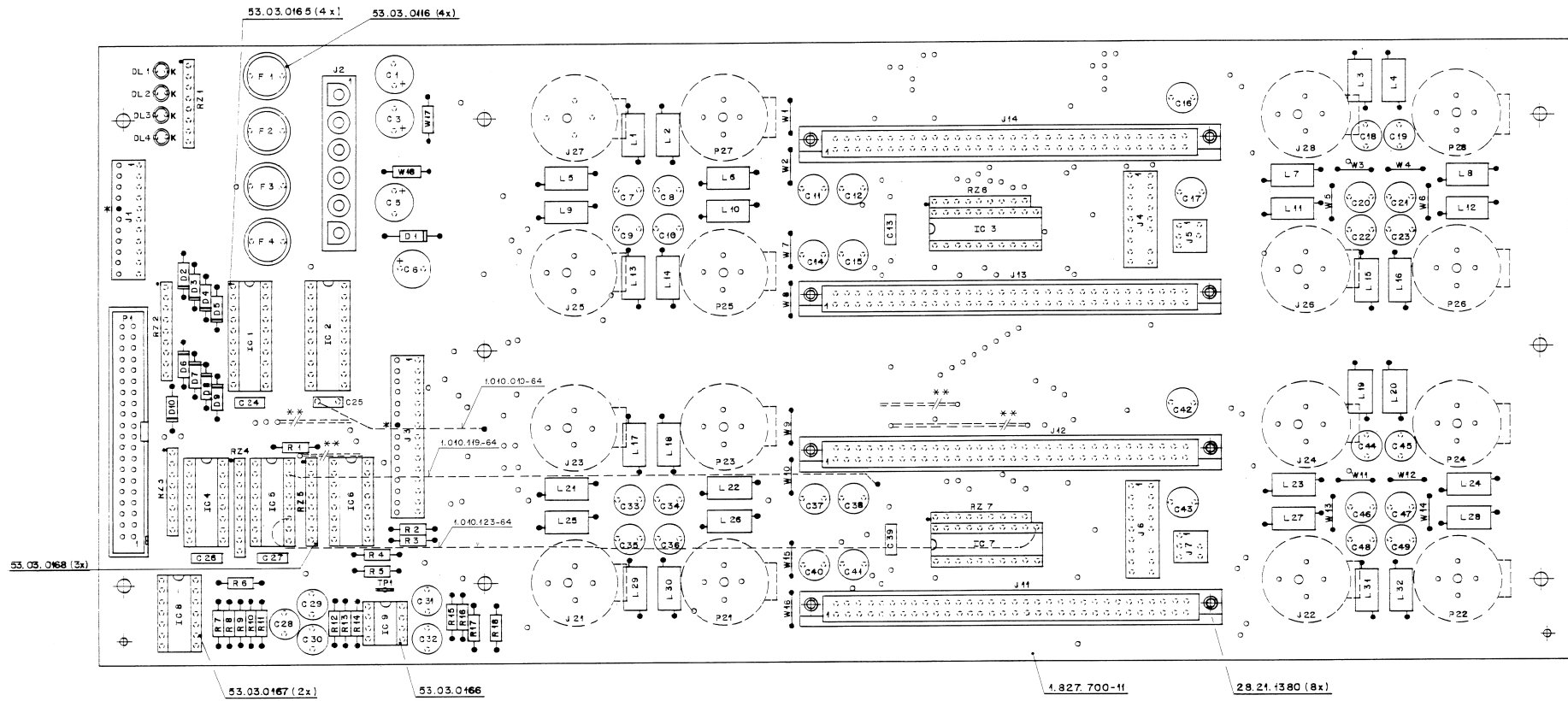


AUDIO BASIS BOARD 1.827.700.81





AUDIO BASIS BOARD 1.827.700.82



** Leiterbahn auf „Ötseite“ unterbrochen (4x)

* Codierung: Schaltdraht 34.04.0108 $\varnothing 0,3 \times 9\text{mm}$
(muss 1mm vorstehen)

Schüler 1.827.700-01 / 43.04.0108
aufgeklebt nach Fabrikationsmuster.

J 21 - J 28
P 24 - P 28 nicht bestückt

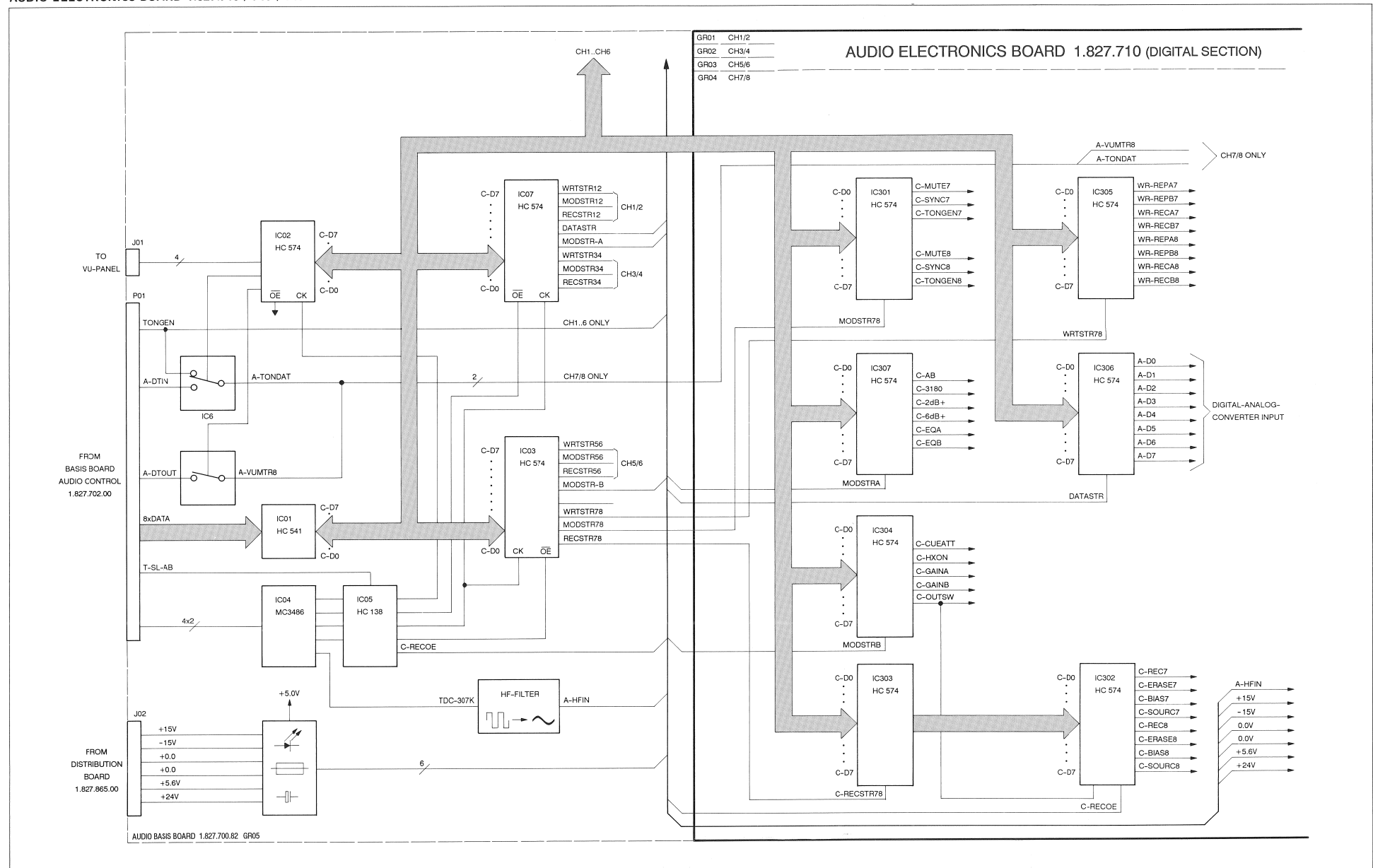


AUDIO BASIS BOARD 1.827.700.82

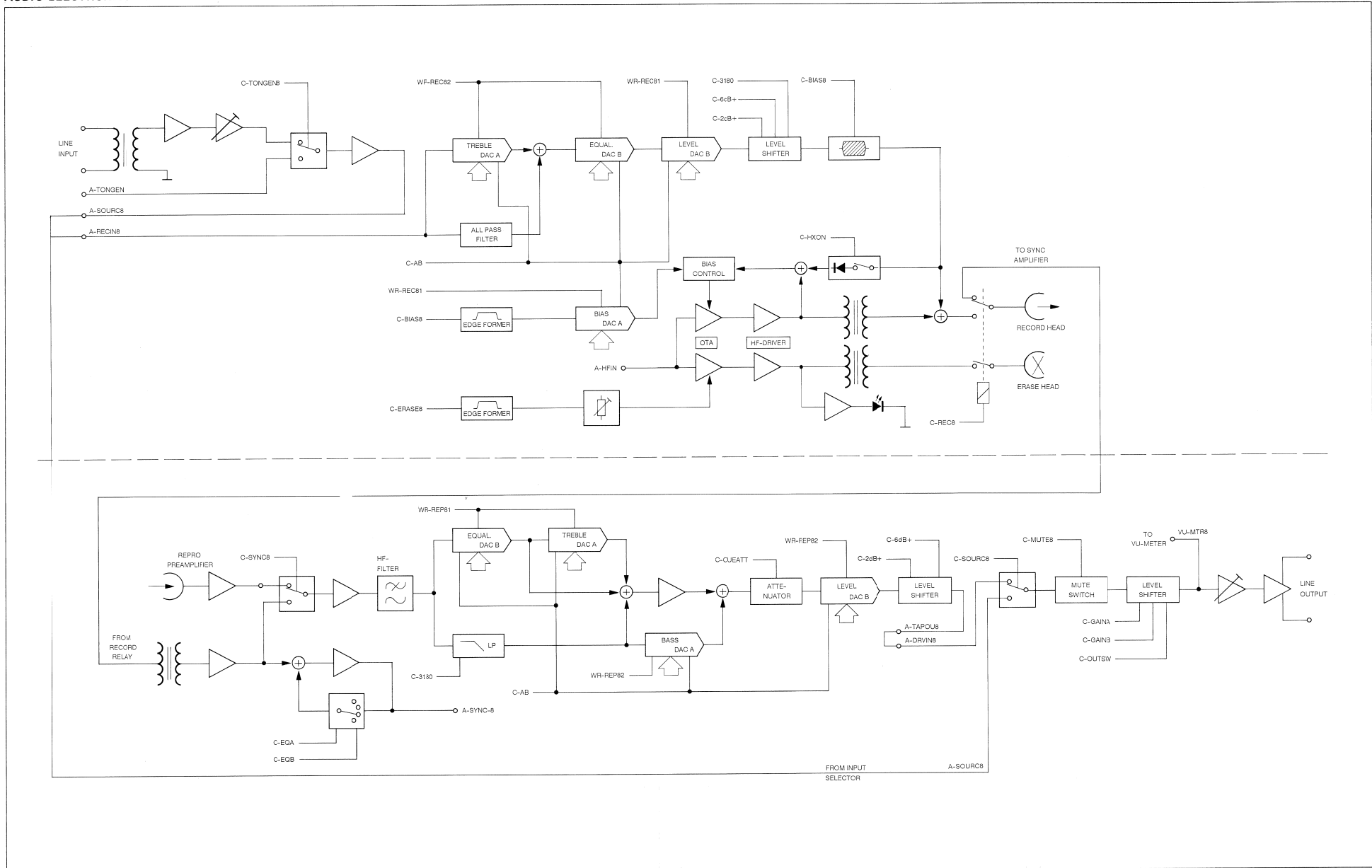
Ad	..POS.	..REF.No.	DESCRIPTION	MANUFACTURER	Ad	..POS.	..REF.No.	DESCRIPTION	MANUFACTURER	Ad	..POS.	..REF.No.	DESCRIPTION	MANUFACTURER
C.....1	59.22.6470	47 uF	-20% 40V	Alu	L.....1	62.01.0115		Interference Coil	Ph	XF....3	53.03.0116	5*20	Fuse Holder 6.3 A max.	
C.....2	00.00.0000	not used			L.....2	62.01.0115		Interference Coil	Ph	XF....4	53.03.0116	5*20	Fuse Holder 6.3 A max.	
C.....3	59.22.6470	47 uF	-20% 40V	Alu	L.....3	62.01.0115		Interference Coil	Ph	YIC...1	53.03.0165	20-pole	IC-Socket	
C.....4	00.00.0000	not used			L.....4	62.01.0115		Interference Coil	Ph	YIC...2	53.03.0165	20-pole	IC-Socket	
C.....5	59.22.6470	47 uF	-20% 40V	Alu	L.....5	62.01.0115		Interference Coil	Ph	YIC...3	53.03.0165	20-pole	IC-Socket	
C.....6	59.22.5101	100 uF	-20% 25V	Alu	L.....6	62.01.0115		Interference Coil	Ph	YIC...4	53.03.0168	16-pole	IC-Socket	
C.....7	59.05.1221	220 pF	1% 630V	PP	L.....7	62.01.0115		Interference Coil	Ph	YIC...5	53.03.0168	16-pole	IC-Socket	
C.....8	59.05.1221	220 pF	1% 630V	PP	L.....8	62.01.0115		Interference Coil	Ph	YIC...6	53.03.0168	16-pole	IC-Socket	
C.....9	59.05.1221	220 pF	1% 630V	PP	L.....9	62.01.0115		Interference Coil	Ph	YIC...7	53.03.0165	20-pole	IC-Socket	
C.....10	59.05.1221	220 pF	1% 630V	PP	L.....10	62.01.0115		Interference Coil	Ph	YIC...8	53.03.0167	14-pole	IC-Socket	
C.....11	59.05.1221	220 pF	1% 630V	PP	L.....11	62.01.0115		Interference Coil	Ph	YIC...9	53.03.0166	8-pole	IC-Socket	
C.....12	59.05.1221	220 pF	1% 630V	PP	L.....12	62.01.0115		Interference Coil	Ph	PP= Polypropylen, PET= Polyester, tri= Tri-State Output MF= Metal Film				
C.....13	59.06.0683	68 nF	10% 50V	PETP	L.....13	62.01.0115		Interference Coil	Ph	MANUFACTURER: Mot= Motorola, Ph= Philips, Sie= Siemens, Tho= Thomson-SGS Gi= General Instruments, Neu= Neutrik, ST= STUDEF				
C.....14	59.05.1221	220 pF	1% 630V	PP	L.....14	62.01.0115		Interference Coil	Ph	1.827.700.82 AUDIO BASIS BOARD 4-CH GP 91/05/1400				
C.....15	59.05.1221	220 pF	1% 630V	PP	L.....15	62.01.0115		Interference Coil	Ph					
C.....16	59.05.1221	220 pF	1% 630V	PP	L.....16	62.01.0115		Interference Coil	Ph					
C.....17	59.05.1221	220 pF	1% 630V	PP	L.....17	62.01.0115		Interference Coil	Ph					
C.....18	59.05.1221	220 pF	1% 630V	PP	L.....18	62.01.0115		Interference Coil	Ph					
C.....19	59.05.1221	220 pF	1% 630V	PP	L.....19	62.01.0115		Interference Coil	Ph					
C.....20	59.05.1221	220 pF	1% 630V	PP	L.....20	62.01.0115		Interference Coil	Ph					
C.....21	59.05.1221	220 pF	1% 630V	PP	L.....21	62.01.0115		Interference Coil	Ph					
C.....22	59.05.1221	220 pF	1% 630V	PP	L.....22	62.01.0115		Interference Coil	Ph					
C.....23	59.05.1221	220 pF	1% 630V	PP	L.....23	62.01.0115		Interference Coil	Ph					
C.....24	59.06.0683	68 nF	10% 50V	PETP	L.....24	62.01.0115		Interference Coil	Ph					
C.....25	59.06.0683	68 nF	10% 50V	PETP	L.....25	62.01.0115		Interference Coil	Ph					
C.....26	59.06.0683	68 nF	10% 50V	PETP	L.....26	62.01.0115		Interference Coil	Ph					
C.....27	59.06.0683	68 nF	10% 50V	PETP	L.....27	62.01.0115		Interference Coil	Ph					
C.....28	59.05.1222	2.2 nF	1% 160V	PP	L.....28	62.01.0115		Interference Coil	Ph					
C.....29	59.05.1102	1 nF	1% 160V	PP	L.....29	62.01.0115		Interference Coil	Ph					
C.....30	59.05.1102	1 nF	1% 160V	PP	L.....30	62.01.0115		Interference Coil	Ph					
C.....31	59.05.1222	2.2 nF	1% 160V	PP	L.....31	62.01.0115		Interference Coil	Ph					
C.....32	59.05.1102	1 nF	1% 160V	PP	L.....32	62.01.0115		Interference Coil	Ph					
C.....33	59.05.1221	220 pF	1% 630V	PP	MP....1	28.21.1380	8 pcs	Rivet D 2.25 * 6,5						
C.....34	59.05.1221	220 pF	1% 630V	PP	MP....2	43.01.0103	1 pce	ISE Herring Label						
C.....35	59.05.1221	220 pF	1% 630V	PP	MP....3	1.827.700.01	1 pce	Nr. Label	ST					
C.....36	59.05.1221	220 pF	1% 630V	PP	MP....4	1.827.700.11	1 pce	AUDIO BASIS PCB MCH	ST					
C.....37	59.05.1221	220 pF	1% 630V	PP	MP....5	1.010.010.64	1 pce	Wire Wrap	ST					
C.....38	59.05.1221	220 pF	1% 630V	PP	MP....6	1.010.119.64	1 pce	Wire Wrap	ST					
C.....39	59.06.0683	68 nF	10% 50V	PETP	MP....7	1.010.123.64	1 pce	Wire Wrap	ST					
C.....40	59.05.1221	220 pF	1% 630V	PP	P.....1	54.14.2004	40-pole	Connector						
C.....41	59.05.1221	220 pF	1% 630V	PP	P....21	54.21.2001	3-pole	KL-Connector male	Neu					
C.....42	59.05.1221	220 pF	1% 630V	PP	P....22	54.21.2001	3-pole	KL-Connector male	Neu					
C.....43	59.05.1221	220 pF	1% 630V	PP	P....23	54.21.2001	3-pole	KL-Connector male	Neu					
C.....44	59.05.1221	220 pF	1% 630V	PP	P....24	54.21.2001	3-pole	KL-Connector male	Neu					
C.....45	59.05.1221	220 pF	1% 630V	PP	P....25	54.21.2001	3-pole	KL-Connector male	Neu					
C.....46	59.05.1221	220 pF	1% 630V	PP	P....26	54.21.2001	3-pole	KL-Connector male	Neu					
C.....47	59.05.1221	220 pF	1% 630V	PP	P....27	54.21.2001	3-pole	KL-Connector male	Neu					
C.....48	59.05.1221	220 pF	1% 630V	PP	P....28	54.21.2001	3-pole	KL-Connector male	Neu					
C.....49	59.05.1221	220 pF	1% 630V	PP										
D.....1	50.04.0512	1N5818	30 V	Schottky	Ph,Sie,Tho	57.11.3122	1.2 kOhm	1%, 0.25W, MF						
D.....2	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3102	10 kOhm	1%, 0.25W, MF						
D.....3	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3682	6.8 kOhm	1%, 0.25W, MF						
D.....4	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3682	6.8 kOhm	1%, 0.25W, MF						
D.....5	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3102	10 kOhm	1%, 0.25W, MF						
D.....6	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3332	3.3 kOhm	1%, 0.25W, MF						
D.....7	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3332	3.3 kOhm	1%, 0.25W, MF						
D.....8	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3391	390 Ohm	1%, 0.25W, MF						
D.....9	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3510	51 Ohm	1%, 0.25W, MF						
D.....10	50.04.0127	BAT 85	BAT 42, BAS 4002		Ph,Sie,Tho	57.11.3102	1 kOhm	1%, 0.25W, MF						
DL...1	50.04.2129	LS3160	LED red d=3 mm		GI	R.....11	57.11.3102	1 kOhm	1%, 0.25W, MF					
DL...2	50.04.2129	LS3160	LED red d=3 mm		GI	R.....12	57.11.3471	470 Ohm	1%, 0.25W, MF					
DL...3	50.04.2129	LS3160	LED red d=3 mm		GI	R.....13	57.11.3332	3.3 kOhm	1%, 0.25W, MF					
DL...4	50.04.2129	LS3160	LED red d=3 mm		GI	R.....14	57.11.3472	4.7 kOhm	1%, 0.25W, MF					
F.....1	51.01.0122	1.15 A	Fuse 5 * 20			R.....15	57.11.3561	560 Ohm	1%, 0.25W, MF					
F.....2	51.01.0122	1.15 A	Fuse 5 * 20			R.....16	57.11.3481	600 Ohm	1%, 0.25W, MF					
F.....3	51.01.0111	250 mA	Fuse 5 * 20			R.....17	57.11.3332	3.3 kOhm	1%, 0.25W, MF					
F.....4	51.01.0117	1.0 A	Fuse 5 * 20			R.....18	57.11.3472	4.7 kOhm	1%, 0.25W, MF					
IC....1	50.17.1541	74HC541	Octal Bus Driver	tri		RZ....1	57.88.2102	*1.0kOhm	5%, Single Line					
IC....2	50.17.1574	74HC574	Octal D-Flip-Flop	tri		RZ....2	57.88.4332	8*3.3kOhm	5%, Single Line					
IC....3	50.17.1574	74HC574	Octal D-Flip-Flop	tri		RZ....3	57.88.2221	*4*220 Ohm	5%, Single Line					
IC....4	50.15.0104	MC3486P	Quad Line Receiver	tri		RZ....4	57.88.4621	8*500 Ohm	5%, Single Line					
IC....5	50.17.1158	74HC138	3-to-8-Line Decoder	tri		RZ....5	57.88.2332	4*3.3kOhm	5%, Single Line					
IC....6	50.07.0015	MC14053	Triple 2-Channel Analog Switch	tri		RZ....6	57.88.4471	8*470 Ohm	5%, Single Line					
IC....7	50.17.1574	74HC574	Octal D-Flip-Flop	tri		RZ....7	57.88.4471	8*470 Ohm	5%, Single Line					
IC....8	50.17.1074	74HC74	Dual D-Flip-Flop	tri										
IC....9	50.09.0105	NE 5532	Dual OpAmp			TP....1	54.02.0320		Connector flat 2.8*0.8 Print					
J.....1	54.01.0291	11-pole	CIS Socket Strip	AMP		W....1	64.01.0106		Wire Bridge					
J.....2	54.25.0006	6-pole	Power Connector	AMP		W....2	64.01.0106		Wire Bridge					
J.....3	54.01.0219	15-pole	CIS Socket Strip	AMP		W....3	64.01.0106		Wire Bridge					
J.....4	54.01.0235	9-pole	CIS Socket Strip	AMP		W....4	64.01.0106		Wire Bridge					
J.....5	54.01.0239	3-pole	CIS Socket Strip	AMP		W....5	64.01.0106		Wire Bridge					
J.....6	54.01.0235	9-pole	CIS Socket Strip	AMP		W....6	64.01.0106		Wire Bridge					
J.....7	54.01.0239	3-pole	CIS Socket Strip	AMP		W....7	64.01.0106		Wire Bridge					
J.....8	54.01.0239	3-pole	CIS Socket Strip	AMP		W....8	64.01.0106		Wire Bridge					
J.....9	54.01.0239	3-pole	CIS Socket Strip	AMP		W....9	64.01.0106		Wire Bridge					
J.....10	54.01.0239	3-pole	CIS Socket Strip	AMP		W....10	64.01.0106		Wire Bridge					
J.....11	54.11.2005	2*32-pole	Euro											

STUDER A827 MCH

BLOCK DIAGRAM
AUDIO ELECTRONICS BOARD 1.827.710 / 715 / 717

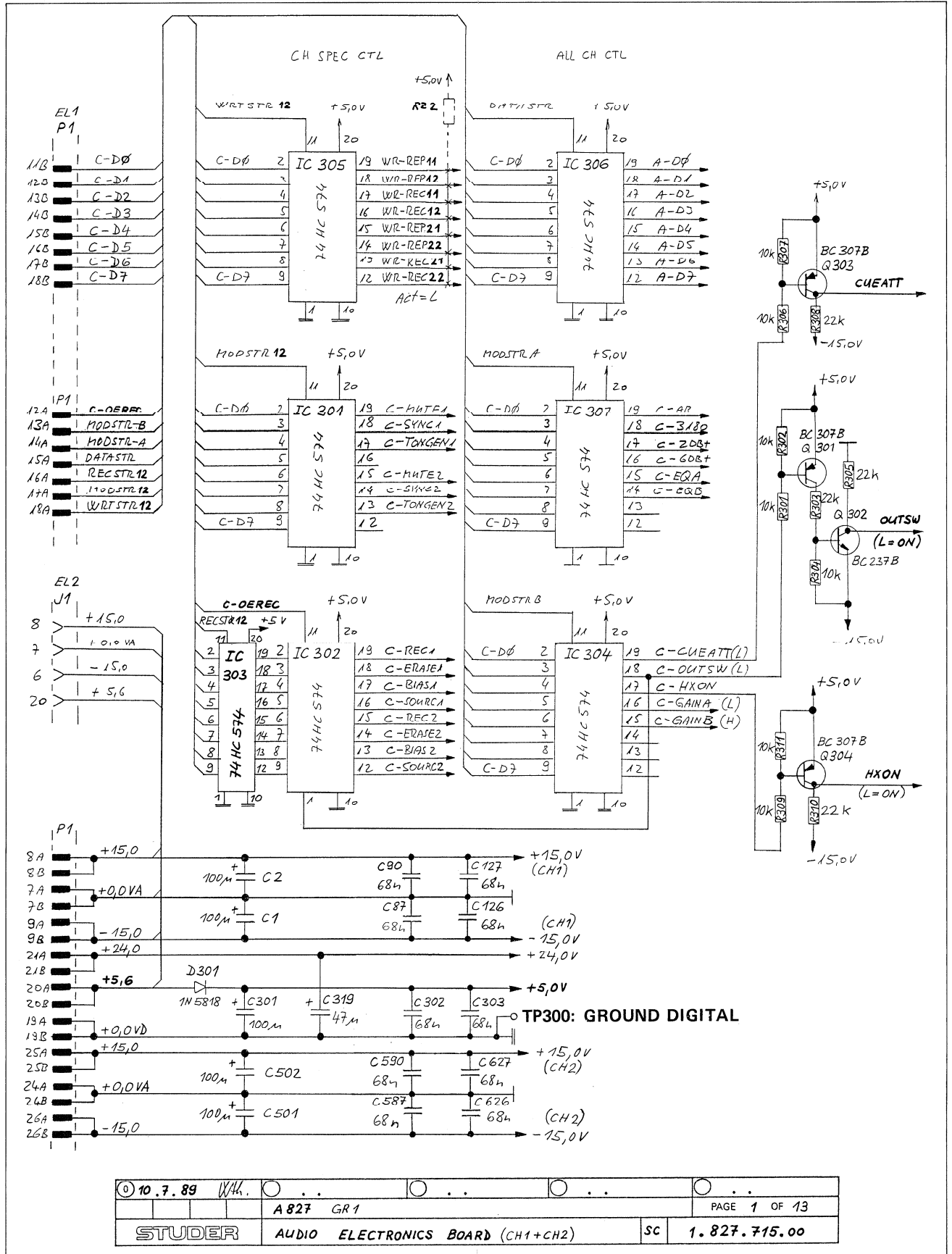


BLOCK DIAGRAM
AUDIO ELECTRONICS BOARD 1.827.710.00 / 715.00 / 717.00 (AUDIO SECTION)



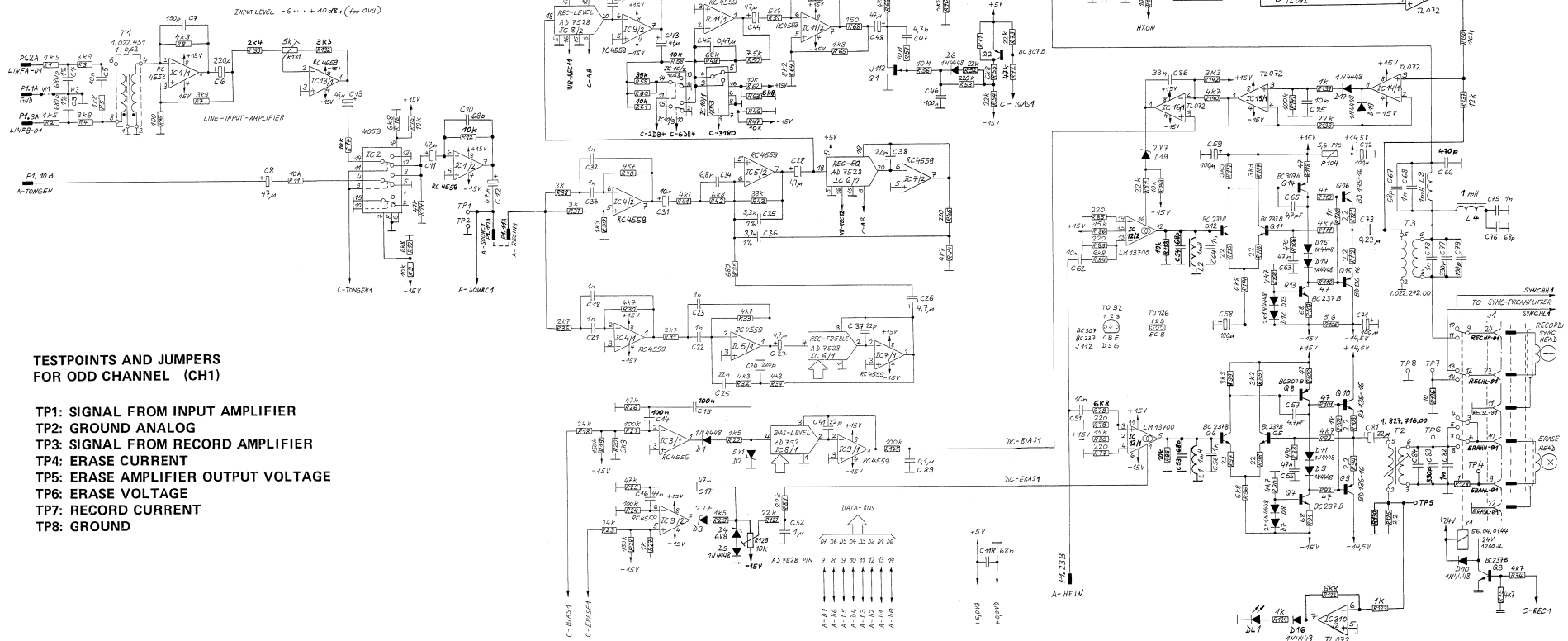


AUDIO ELECTRONICS BOARD 1 CH + 2 CH 1.827.715.00



10.7.89	W.H.					
A 827 GR1			PAGE 1 OF 13			
STUDER		AUDIO ELECTRONICS BOARD (CH1+CH2)		SC	1.827.715.00	

AUDIO ELECTRONICS BOARD 1 CH + 2 CH 1.827.715.00



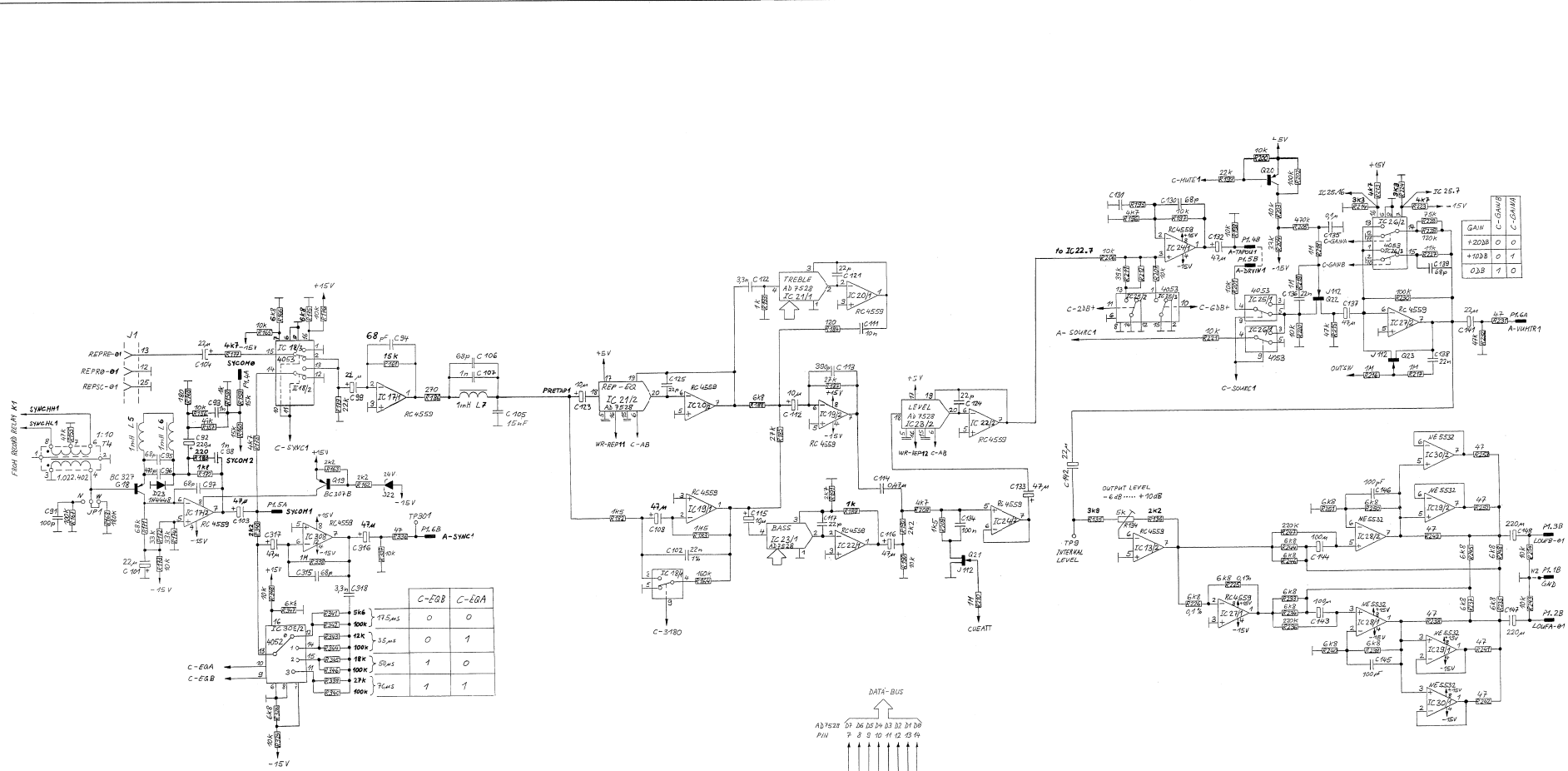
TESTPOINTS AND JUMPERS FOR ODD CHANNEL (CH1)

- TP1: SIGNAL FROM INPUT AMPLIFIER
- TP2: GROUND ANALOG
- TP3: SIGNAL FROM RECORD AMPLIFIER
- TP4: ERASE CURRENT
- TP5: ERASE AMPLIFIER OUTPUT VOLTAGE
- TP6: ERASE VOLTAGE
- TP7: RECORD CURRENT
- TP8: GROUND

10.7.89 GP	A 827 GR1	PAGE 4 OF 13
STUDER	AUDIO ELECTRONICS BOARD CH1	SC 1.827.715.00



AUDIO ELECTRONICS BOARD 1 CH + 2 CH 1.827.715.00



TESTPOINTS AND JUMPERS FOR ODD CHANNEL (CH1)

JP1: SYNC FREQUENCY RESPONSE
 POS. W: WIDE
 POS. N: NARROW

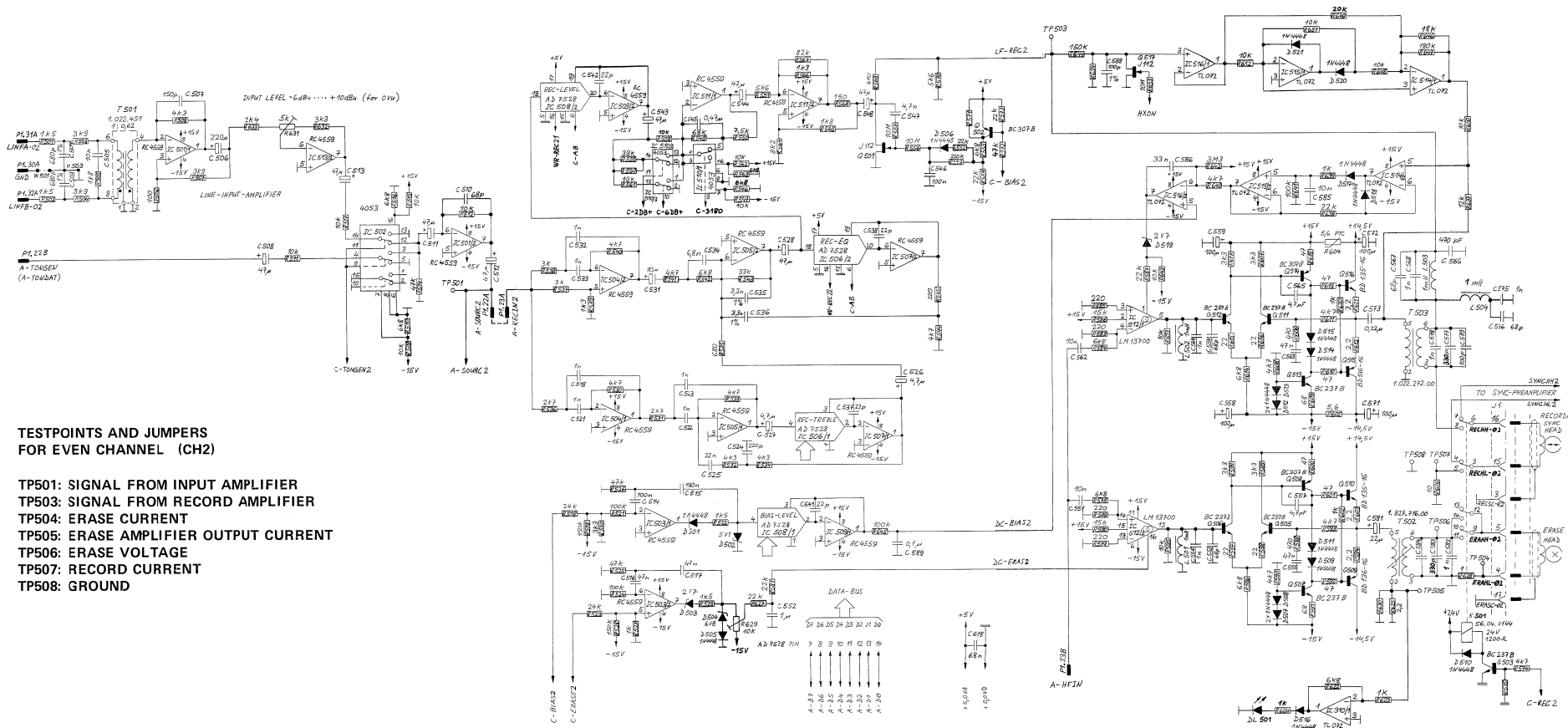
TP9: INTERNAL LEVEL

TP301: SYNC OUTPUT SIGNAL

10.7.89 GP	A 827 GRY	PAGE 7 OF 13
STUDER	AUDIO ELECTRONICS BOARD CH1	SC 1.827.715.00



AUDIO ELECTRONICS BOARD 1 CH + 2 CH 1.827.715.00



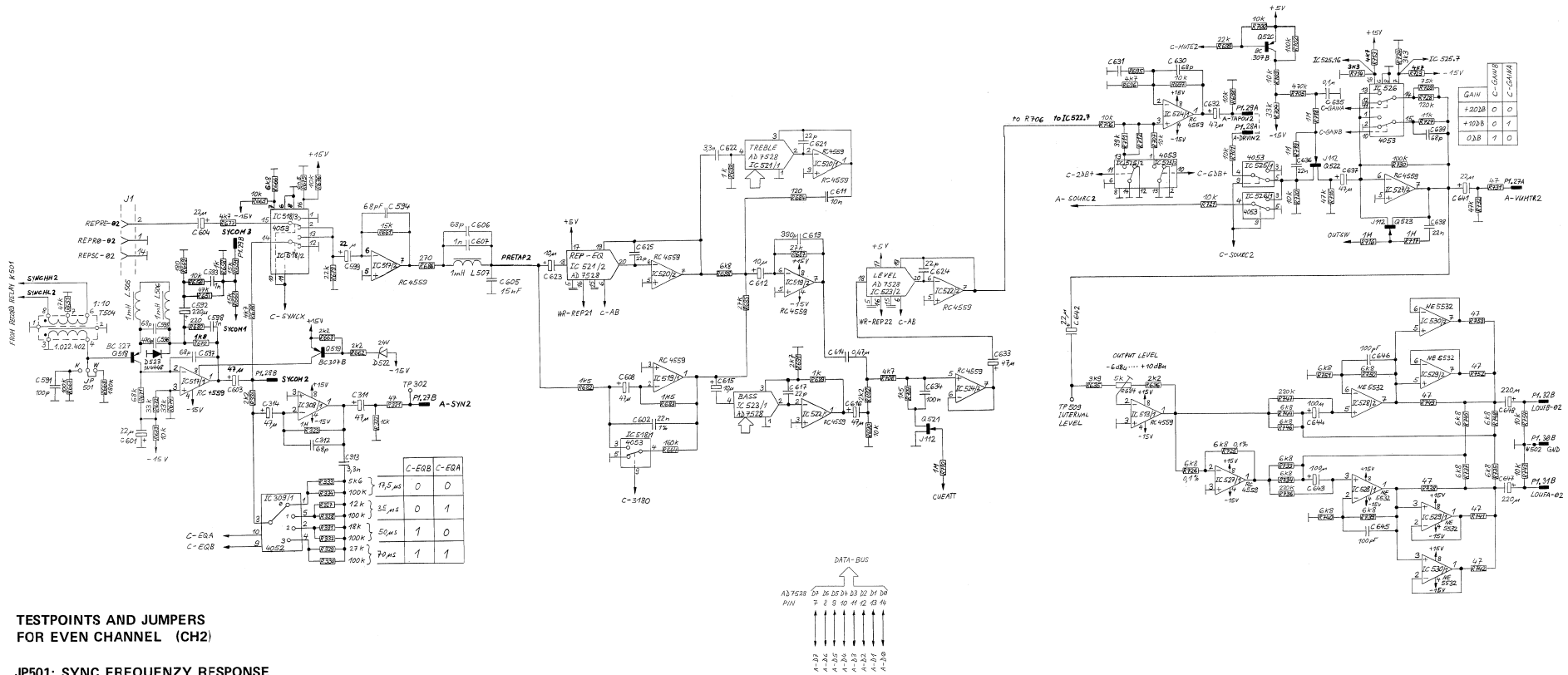
TESTPOINTS AND JUMPERS FOR EVEN CHANNEL (CH2)

- TP501: SIGNAL FROM INPUT AMPLIFIER
- TP503: SIGNAL FROM RECORD AMPLIFIER
- TP504: ERASE CURRENT
- TP505: ERASE AMPLIFIER OUTPUT CURRENT
- TP506: ERASE VOLTAGE
- TP507: RECORD CURRENT
- TP508: GROUND

10.7.89 GP	A 827 GR1	PAGE 10 OF 19
STUDER	AUDIO ELECTRONICS BOARD CH2	SC 1.827.715.00



AUDIO ELECTRONICS BOARD 1 CH + 2 CH 1.827.715.00



TESTPOINTS AND JUMPERS FOR EVEN CHANNEL (CH2)

JP501: SYNC FREQUENCY RESPONSE
 POS. W: WIDE
 POS. N: N: NARROW

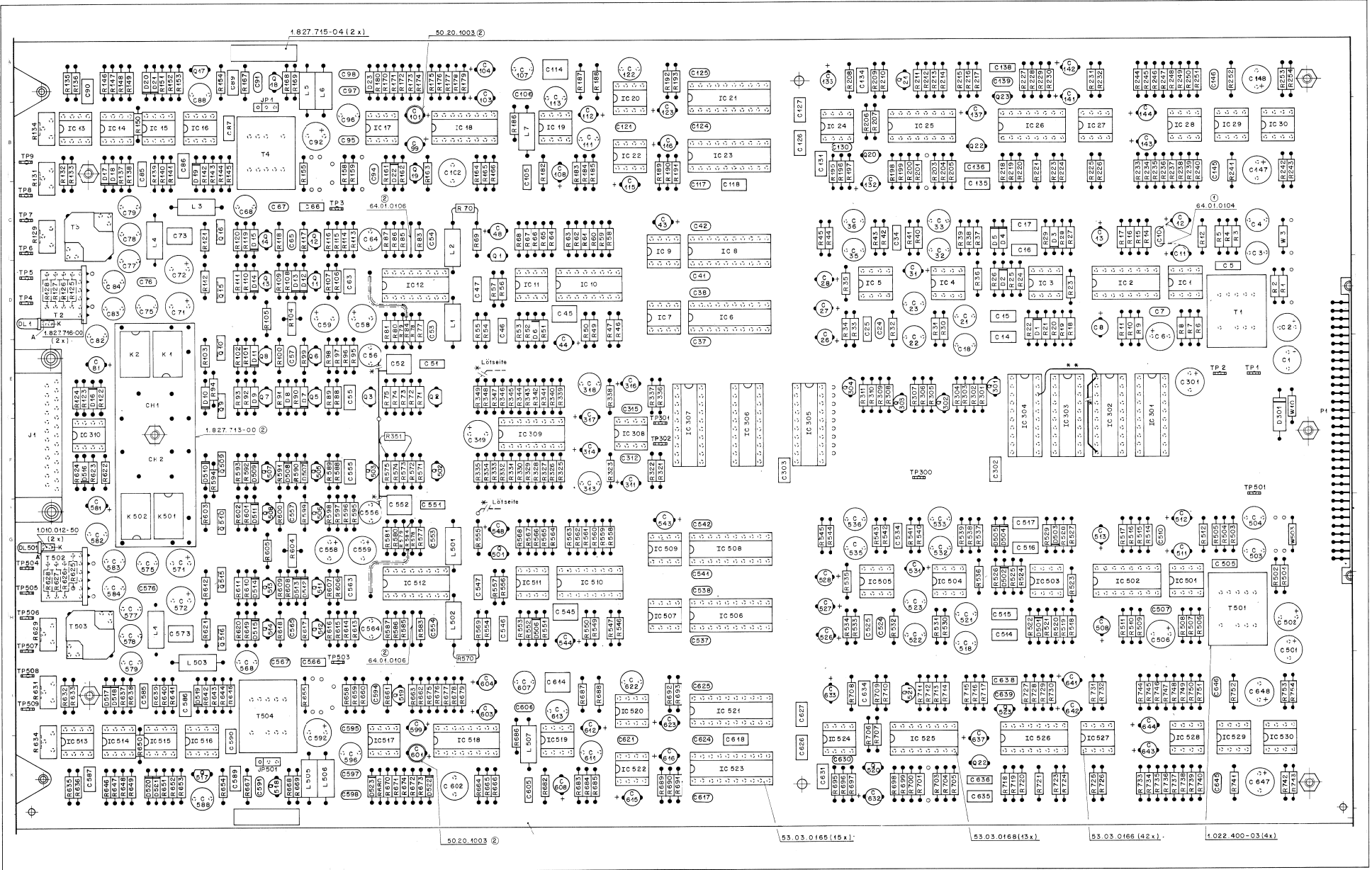
TP509: INTERNAL LEVEL



© 10, 7.89 GP					
	A 827	GM1			PAGE 13 OF 13
STUDER	AUDIO ELECTRONICS BOARD CH2			SC	1.827.715.00



AUDIO ELECTRONICS BOARD 1 CH + 2 CH 1.827.715.00 /1.827.717.00



STUDER A827 MCH



AUDIO ELECTRONICS BOARD 1 CH + 2 CH 1.827.715.00 / 1.827.717.00

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.		
MF..14	1.029.020	2	6 pax	Elvst Net MS422.5	St	R...52	57.11.3223	22 kOhm	1% 0.25W MF			R...162	57.11.3222	2.2 kOhm	1% 0.25W MF	R...327	57.11.3123	12 kOhm	1% 0.25W MF						
MF..15	1.022.400.03	4	pax	Isolation for 15/4/1501/1504	St	R...53	57.11.3224	220 kOhm	1% 0.25W MF			R...163	57.11.3222	2.2 kOhm	1% 0.25W MF	R...328	57.11.3104	100 kOhm	1% 0.25W MF						
MF..16	1.827.400.02	2	9 pax	Thermostatic	St	R...54	57.11.3225	22 kOhm	1% 0.25W MF			R...164	57.11.3164	100 kOhm	1% 0.25W MF	R...329	57.11.3273	27 kOhm	1% 0.25W MF						
MF..17	1.827.715.01	1	pax	Headline	St	R...55	57.11.3159	2.2 kOhm	1% 0.25W MF			R...165	57.11.3224	2.2 kOhm	1% 0.25W MF	R...330	57.11.3104	100 kOhm	1% 0.25W MF						
MF..18	1.827.715.02	1	pax	PB-Headset	St	R...56	57.11.3682	6.8 kOhm	1% 0.25W MF			R...166	57.11.3103	10 kOhm	1% 0.25W MF	R...331	57.11.3183	18 kOhm	1% 0.25W MF						
MF..19	1.827.715.04	2	pax	Text Label	St	R...57	57.11.3106	10 kOhm	5% 0.25W MF			R...167	57.11.3682	6.8 kOhm	1% 0.25W MF	R...332	57.11.3104	100 kOhm	1% 0.25W MF						
MF..20	1.827.715.10	1	pax	Res Label	St	R...58	57.11.3103	10 kOhm	1% 0.25W MF			R...168	57.11.3104	100 kOhm	1% 0.25W MF	R...333	57.11.3562	5.6 kOhm	1% 0.25W MF						
MF..21	1.827.715.11	1	pax	Audio Electronic PCB	St	R...59	57.11.3293	39 kOhm	1% 0.25W MF			R...169	57.11.3184	180 kOhm	1% 0.25W MF	R...334	57.11.3104	100 kOhm	1% 0.25W MF						
MF..22	50.026.0003	2	pax	Isolation for CD31, 5001	St	R...60	not used					R...170	57.11.3221	2.2 kOhm	1% 0.25W MF	R...335	57.11.3222	2.2 kOhm	1% 0.25W MF						
MF..23	50.258.0000	2	pax	50A38mm Glass Metal	St	R...61	57.11.3103	10 kOhm	1% 0.25W MF			R...171	57.11.3680	68 kOhm	1% 0.25W MF	R...337	57.11.3103	10 kOhm	1% 0.25W MF						
P...11	54.11.2004	1	pax	European Connector 64P	St	R...62	57.11.3103	10 kOhm	1% 0.25W MF			R...172	57.11.3238	38 kOhm	1% 0.25W MF	R...338	57.11.3105	47 kOhm	1% 0.25W MF						
C...11	50.03.0350	1112			not	R...63	57.11.3682	6.8 kOhm	1% 0.25W MF			R...173	57.11.3103	10 kOhm	1% 0.25W MF	R...339	57.11.3273	27 kOhm	1% 0.25W MF						
C...12	50.03.0436	BC237B	BC578, BC560B	TRF		R...64	57.11.3221	220 Ohm	1% 0.25W MF			R...174	57.11.3103	38 kOhm	1% 0.25W MF	R...340	57.11.3104	100 kOhm	1% 0.25W MF						
C...13	50.03.0436	BC237B	BC578, BC560B	TRF		R...65	57.11.3182	1.8 kOhm	1% 0.25W MF			R...175	57.11.3103	10 kOhm	1% 0.25W MF	R...341	57.11.3562	5.6 kOhm	1% 0.25W MF						
C...14	50.03.0436	BC237B	BC578, BC560B	TRF		R...66	57.11.3182	1.8 kOhm	1% 0.25W MF			R...176	57.11.3103	10 kOhm	1% 0.25W MF	R...342	57.11.3104	100 kOhm	1% 0.25W MF						
C...15	50.03.0436	BC237B	BC578, BC560B	TRF		R...67	57.11.3223	11 kOhm	1% 0.25W MF			R...177	57.11.3472	4.7 kOhm	1% 0.25W MF	R...343	57.11.3123	12 kOhm	1% 0.25W MF						
C...16	50.03.0436	BC237B	BC578, BC560B	TRF		R...68	57.11.3181	180 Ohm	1% 0.25W MF			R...178	57.11.3472	4.7 kOhm	1% 0.25W MF	R...344	57.11.3104	100 kOhm	1% 0.25W MF						
C...17	50.03.0436	BC237B	BC578, BC560B	TRF		R...69	57.11.3671	470 Ohm	1% 0.25W MF			R...179	57.11.3223	22 kOhm	1% 0.25W MF	R...345	57.11.3183	18 kOhm	1% 0.25W MF						
C...18	50.03.0436	BC237B	BC578, BC560B	TRF		R...70	57.11.3682	5.6 kOhm	1% 0.25W MF			R...180	57.11.3221	2.2 kOhm	1% 0.25W MF	R...346	57.11.3104	100 kOhm	1% 0.25W MF						
C...19	50.03.0436	BC237B	BC578, BC560B	TRF		R...71	not used					R...181	57.11.3152	1.5 kOhm	1% 0.25W MF	R...347	57.11.3682	6.8 kOhm	1% 0.25W MF						
C...20	50.03.0436	BC237B	BC578, BC560B	TRF		R...72	57.11.3473	47 kOhm	1% 0.25W MF			R...182	57.11.3152	1.5 kOhm	1% 0.25W MF	R...348	57.11.3103	10 kOhm	1% 0.25W MF						
C...21	50.03.0436	BC237B	BC578, BC560B	TRF		R...73	57.11.3223	22 kOhm	1% 0.25W MF			R...183	57.11.3153	1.5 kOhm	1% 0.25W MF	R...349	57.11.3222	2.2 kOhm	1% 0.25W MF						
C...22	50.03.0436	BC237B	BC578, BC560B	TRF		R...74	57.11.3472	4.7 kOhm	1% 0.25W MF			R...184	57.11.3221	220 Ohm	1% 0.25W MF	R...350	57.11.3102	1 kOhm	1% 0.25W MF						
C...23	50.03.0436	BC237B	BC578, BC560B	TRF		R...75	57.11.3472	4.7 kOhm	1% 0.25W MF			R...185	57.11.3273	27 kOhm	1% 0.25W MF	R...351	57.11.3152	1.5 kOhm	1% 0.25W MF						
C...24	50.03.0436	BC237B	BC578, BC560B	TRF		R...76	57.11.3221	220 Ohm	1% 0.25W MF			R...186	57.11.3273	27 kOhm	1% 0.25W MF	R...352	57.11.3152	1.5 kOhm	1% 0.25W MF						
C...25	50.03.0436	BC237B	BC578, BC560B	TRF		R...77	57.11.3682	6.8 kOhm	1% 0.25W MF			R...187	57.11.3273	27 kOhm	1% 0.25W MF	R...353	57.11.3183	18 kOhm	1% 0.25W MF						
C...26	50.03.0436	BC237B	BC578, BC560B	TRF		R...78	57.11.3682	6.8 kOhm	1% 0.25W MF			R...188	57.11.3682	6.8 kOhm	1% 0.25W MF	R...354	57.11.3183	18 kOhm	1% 0.25W MF						
C...27	50.03.0436	BC237B	BC578, BC560B	TRF		R...79	57.11.3153	1.5 kOhm	1% 0.25W MF			R...189	57.11.3682	6.8 kOhm	1% 0.25W MF	R...355	57.11.3183	18 kOhm	1% 0.25W MF						
C...28	50.03.0436	BC237B	BC578, BC560B	TRF		R...80	57.11.3153	1.5 kOhm	1% 0.25W MF			R...190	57.11.3102	1 kOhm	1% 0.25W MF	R...356	57.11.3183	18 kOhm	1% 0.25W MF						
C...29	50.03.0436	BC237B	BC578, BC560B	TRF		R...81	57.11.3682	6.8 kOhm	1% 0.25W MF			R...191	57.11.3102	1 kOhm	1% 0.25W MF	R...357	57.11.3183	18 kOhm	1% 0.25W MF						
C...30	50.03.0436	BC237B	BC578, BC560B	TRF		R...82	57.11.3221	220 Ohm	1% 0.25W MF			R...192	57.11.3102	1 kOhm	1% 0.25W MF	R...358	57.11.3101	100 Ohm	1% 0.25W MF						
C...31	50.03.0436	BC237B	BC578, BC560B	TRF		R...83	57.11.3221	220 Ohm	1% 0.25W MF			R...193	57.11.3272	2.7 kOhm	1% 0.25W MF	R...359	57.11.3182	5.6 kOhm	1% 0.25W MF						
C...32	50.03.0436	BC237B	BC578, BC560B	TRF		R...84	57.11.3153	1.5 kOhm	1% 0.25W MF			R...194	57.11.3272	2.7 kOhm	1% 0.25W MF	R...360	57.11.3182	5.6 kOhm	1% 0.25W MF						
C...33	50.03.0436	BC237B	BC578, BC560B	TRF		R...85	57.11.3221	220 Ohm	1% 0.25W MF			R...195	57.11.3472	not used		1% 0.25W MF	R...361	57.11.3472	4.7 kOhm	1% 0.25W MF					
C...34	50.03.0436	BC237B	BC578, BC560B	TRF		R...86	57.11.3153	1.5 kOhm	1% 0.25W MF			R...196	57.11.3472	4.7 kOhm	1% 0.25W MF	R...362	57.11.3183	18 kOhm	1% 0.25W MF						
C...35	50.03.0436	BC237B	BC578, BC560B	TRF		R...87	57.11.3223	22 kOhm	1% 0.25W MF			R...197	57.11.3103	10 kOhm	1% 0.25W MF	R...363	57.11.3103	10 kOhm	1% 0.25W MF						
C...36	50.03.0436	BC237B	BC578, BC560B	TRF		R...88	57.11.3153	1.5 kOhm	1% 0.25W MF			R...198	57.11.3103	10 kOhm	1% 0.25W MF	R...364	57.11.3183	18 kOhm	1% 0.25W MF						
C...37	50.03.0436	BC237B	BC578, BC560B	TRF		R...89	57.11.3153	1.5 kOhm	1% 0.25W MF			R...199	57.11.3472	4.7 kOhm	1% 0.25W MF	R...365	57.11.3103	10 kOhm	1% 0.25W MF						
C...38	50.03.0436	BC237B	BC578, BC560B	TRF		R...90	57.11.3153	1.5 kOhm	1% 0.25W MF			R...200	57.11.3103	10 kOhm	1% 0.25W MF	R...366	57.11.3103	10 kOhm	1% 0.25W MF						
C...39	50.03.0436	BC237B	BC578, BC560B	TRF		R...91	57.11.3153	1.5 kOhm	1% 0.25W MF			R...201	57.11.3103	10 kOhm	1% 0.25W MF	R...367	57.11.3103	10 kOhm	1% 0.25W MF						
C...40	50.03.0436	BC237B	BC578, BC560B	TRF		R...92	57.11.3153	1.5 kOhm	1% 0.25W MF			R...202	57.11.3103	10 kOhm	1% 0.25W MF	R...368	57.11.3103	10 kOhm	1% 0.25W MF						
C...41	50.03.0436	BC237B	BC578, BC560B	TRF		R...93	57.11.3153	1.5 kOhm	1% 0.25W MF			R...203	57.11.3103	10 kOhm	1% 0.25W MF	R...369	57.11.3103	10 kOhm	1% 0.25W MF						
C...42	50.03.0436	BC237B	BC578, BC560B	TRF		R...94	57.11.3153	1.5 kOhm	1% 0.25W MF			R...204	57.11.3103	10 kOhm	1% 0.25W MF	R...370	57.11.3103	10 kOhm	1% 0.25W MF						
C...43	50.03.0436	BC237B	BC578, BC560B	TRF		R...95	57.11.3153	1.5 kOhm	1% 0.25W MF			R...205	57.11.3103	10 kOhm	1% 0.25W MF	R...371	57.11.3103	10 kOhm	1% 0.25W MF						
C...44	50.03.0436	BC237B	BC578, BC560B	TRF		R...96	57.11.3153	1.5 kOhm	1% 0.25W MF			R...206	57.11.3103	10 kOhm	1% 0.25W MF	R...372	57.11.3103	10 kOhm	1% 0.25W MF						
C...45	50.03.0436	BC237B	BC578, BC560B	TRF		R...97	57.11.3153	1.5 kOhm	1% 0.25W MF			R...207	57.11.3103	10 kOhm	1% 0.25W MF	R...373	57.1								

STUDER A827 MCH



AUDIO ELECTRONICS BOARD 1 CH + 2 CH 1.827.715.00 / 1.827.717.00

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...	592	57.11.3470	47 Ohm	1% 0.25W MF		R...	700	57.11.3103	10 kOhm	1% 0.25W MF		XIC...	14	53.03.0166	8-Pole	IC Socket	
R...	593	57.11.3472	4.7 kOhm	1% 0.25W MF		R...	701	57.11.3103	10 kOhm	1% 0.25W MF		XIC...	15	53.03.0166	8-Pole	IC Socket	
R...	594	57.11.3229	1.2 Ohm	1% 0.25W MF		R...	702	57.11.3104	100 kOhm	1% 0.25W MF		XIC...	16	53.03.0166	8-Pole	IC Socket	
R...	595	57.11.3103	10 kOhm	1% 0.25W MF		(02)	R...	702	not used			XIC...	17	53.03.0166	8-Pole	IC Socket	
R...	596	57.11.3682	0.8 kOhm	1% 0.25W MF		R...	703	57.11.3103	10 kOhm	1% 0.25W MF		XIC...	18	53.03.0166	8-Pole	IC Socket	
R...	597	57.11.3220	22 Ohm	1% 0.25W MF		R...	704	57.11.3353	33 kOhm	1% 0.25W MF		XIC...	20	53.03.0166	8-Pole	IC Socket	
R...	598	57.11.3220	22 Ohm	1% 0.25W MF		R...	705	57.11.3474	470 kOhm	1% 0.25W MF		XIC...	21	53.03.0166	8-Pole	IC Socket	
R...	599	57.11.3332	3.3 kOhm	1% 0.25W MF		R...	706	57.11.3103	10 kOhm	1% 0.25W MF		XIC...	22	53.03.0166	8-Pole	IC Socket	
R...	600	57.11.3470	47 Ohm	1% 0.25W MF		R...	707	57.11.3103	10 kOhm	1% 0.25W MF		XIC...	23	53.03.0166	8-Pole	IC Socket	
R...	601	57.11.3332	3.3 kOhm	1% 0.25W MF		R...	708	57.11.3472	4.7 kOhm	1% 0.25W MF		XIC...	24	53.03.0166	8-Pole	IC Socket	
R...	602	57.11.3102	10 kOhm	1% 0.25W MF		R...	709	57.11.3102	10 kOhm	1% 0.25W MF		XIC...	25	53.03.0166	8-Pole	IC Socket	
R...	603	57.11.3229	1.2 Ohm	1% 0.25W MF		R...	710	57.11.3105	10 kOhm	1% 0.25W MF		XIC...	26	53.03.0166	8-Pole	IC Socket	
R...	604	57.09.0209	1.0 Ohm	1% 0.25W MF		R...	711	57.11.3353	33 kOhm	1% 0.25W MF		XIC...	27	53.03.0166	8-Pole	IC Socket	
R...	605	57.11.3569	5.6 Ohm	1% 0.25W MF		R...	712	not used				XIC...	28	53.03.0166	8-Pole	IC Socket	
R...	606	57.11.3471	470 Ohm	1% 0.25W MF		R...	713	57.11.3472	4.7 kOhm	1% 0.25W MF		XIC...	29	53.03.0166	8-Pole	IC Socket	
R...	607	57.11.3332	3.3 kOhm	1% 0.25W MF		R...	714	57.11.3332	3.3 kOhm	1% 0.25W MF		XIC...	30	53.03.0166	8-Pole	IC Socket	
R...	608	57.11.3682	0.8 kOhm	1% 0.25W MF		R...	715	57.11.3473	47 kOhm	1% 0.25W MF		XIC...	31	53.03.0166	8-Pole	IC Socket	
R...	609	57.11.3680	88 Ohm	1% 0.25W MF		R...	716	57.11.3105	10 kOhm	1% 0.25W MF		XIC...	32	53.03.0166	8-Pole	IC Socket	
R...	610	57.11.3470	47 Ohm	1% 0.25W MF		R...	717	57.11.3105	10 kOhm	1% 0.25W MF		XIC...	33	53.03.0166	8-Pole	IC Socket	
R...	611	57.11.3472	4.7 kOhm	1% 0.25W MF		(02)	R...	718	57.11.3105	10 kOhm	1% 0.25W MF	XIC...	34	53.03.0166	8-Pole	IC Socket	
R...	612	57.11.3229	1.2 Ohm	1% 0.25W MF		R...	719	57.11.3105	10 kOhm	1% 0.25W MF		XIC...	35	53.03.0166	8-Pole	IC Socket	
R...	613	57.11.3103	10 kOhm	1% 0.25W MF		(02)	R...	719	57.11.3105	10 kOhm	1% 0.25W MF	XIC...	36	53.03.0166	8-Pole	IC Socket	
R...	614	57.11.3682	0.8 kOhm	1% 0.25W MF		R...	720	57.11.3103	10 kOhm	1% 0.25W MF		XIC...	37	53.03.0166	8-Pole	IC Socket	
R...	615	57.11.3220	22 Ohm	1% 0.25W MF		R...	721	57.11.3103	10 kOhm	1% 0.25W MF		XIC...	38	53.03.0166	8-Pole	IC Socket	
R...	616	57.11.3220	22 Ohm	1% 0.25W MF		R...	722	57.11.3103	10 kOhm	1% 0.25W MF		XIC...	39	53.03.0166	8-Pole	IC Socket	
R...	617	57.11.3332	3.3 kOhm	1% 0.25W MF		R...	723	57.11.3472	4.7 kOhm	1% 0.25W MF		XIC...	40	53.03.0166	8-Pole	IC Socket	
R...	618	57.11.3470	47 Ohm	1% 0.25W MF		R...	724	57.11.3332	3.3 kOhm	1% 0.25W MF		XIC...	41	53.03.0166	8-Pole	IC Socket	
R...	619	57.11.3470	47 Ohm	1% 0.25W MF		R...	725	57.99.0250	6.8 kOhm	0.1% 0.25W MF		XIC...	42	53.03.0166	8-Pole	IC Socket	
R...	620	57.11.3102	10 kOhm	1% 0.25W MF		R...	726	57.99.0250	6.8 kOhm	0.1% 0.25W MF		XIC...	43	53.03.0166	8-Pole	IC Socket	
R...	621	57.11.3229	1.2 Ohm	1% 0.25W MF		R...	727	57.11.3113	11 kOhm	1% 0.25W MF		XIC...	44	53.03.0166	8-Pole	IC Socket	
R...	622	57.11.3682	0.8 kOhm	1% 0.25W MF		R...	728	57.11.3124	120 kOhm	1% 0.25W MF		XIC...	45	53.03.0166	8-Pole	IC Socket	
R...	623	57.11.3102	10 kOhm	1% 0.25W MF		R...	729	57.11.3753	75 kOhm	1% 0.25W MF		XIC...	46	53.03.0166	8-Pole	IC Socket	
R...	624	57.11.3102	10 kOhm	1% 0.25W MF		R...	730	57.11.3104	100 kOhm	1% 0.25W MF		XIC...	47	53.03.0166	8-Pole	IC Socket	
R...	625	57.11.3229	1.2 Ohm	1% 0.25W MF		R...	731	57.11.3470	47 Ohm	1% 0.25W MF		XIC...	48	53.03.0166	8-Pole	IC Socket	
R...	626	57.11.3100	10 Ohm	1% 0.25W MF		R...	732	57.11.3473	47 kOhm	1% 0.25W MF		XIC...	49	53.03.0166	8-Pole	IC Socket	
R...	627	57.11.3223	22 kOhm	1% 0.25W MF		R...	733	57.11.3682	0.8 kOhm	1% 0.25W MF		XIC...	50	53.03.0166	8-Pole	IC Socket	
R...	628	57.11.3109	1 Ohm	1% 0.25W MF		R...	734	57.11.3682	0.8 kOhm	1% 0.25W MF		XIC...	51	53.03.0166	8-Pole	IC Socket	

The following components have been changed for 1.727.717.00

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
A...	1	1.827.715.00		AUDIO ELECTRONICS BOARD 2-CH	St
C...	52	59.06.0103	10 nF	10% 50V PETP	
C...	52	59.06.0103	10 nF	10% 50V PETP	
D...	6	50.04.0125	18k648	50V, change the polarity (cathode to B 52)	
D...	6	50.04.0125	18k648	50V, change the polarity (cathode to B 52)	
M...	20	1.827.717.10		No. Label	St
R...	118	57.11.3273	27 kOhm	1% 0.25W MF	
R...	120	57.11.3102	10 kOhm	1% 0.25W MF	
R...	121	57.11.3103	10 kOhm	1% 0.25W MF	
R...	123	57.11.3273	27 kOhm	1% 0.25W MF	
R...	124	57.11.3682	6.8 kOhm	1% 0.25W MF	
R...	125	not used			
R...	145	57.11.3102	10 kOhm	1% 0.25W MF	
R...	148	57.11.3273	27 kOhm	1% 0.25W MF	
R...	520	57.11.3102	10 kOhm	1% 0.25W MF	
R...	521	57.11.3103	10 kOhm	1% 0.25W MF	
R...	523	57.11.3273	27 kOhm	1% 0.25W MF	
R...	524	57.11.3682	6.8 kOhm	1% 0.25W MF	
R...	525	not used			
R...	526	not used			
R...	645	57.11.3102	10 kOhm	1% 0.25W MF	

S T U D E R (02) 90/04/18 GP AUDIO ELECTRONICS (SERVICE) PL 1.827.717.00 PAGE 1

IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

(01) 08.08.89 Correction.

(02) 12.09.89 Improvement if click characteristic.

(03) 15.11.89 Improvement if click characteristic.

Cap = Capacitor EL = Electrolytic PETP = Polyester
 PP = Polypropylene MF = Metal Film ST = Silicon

MANUFACTURER: ADI = Analog Devices Inc. Mtk = Motorola
 NS = National Semiconductor P = Philips
 R = Raytheon S = Sylvania
 TI = Texas Instruments

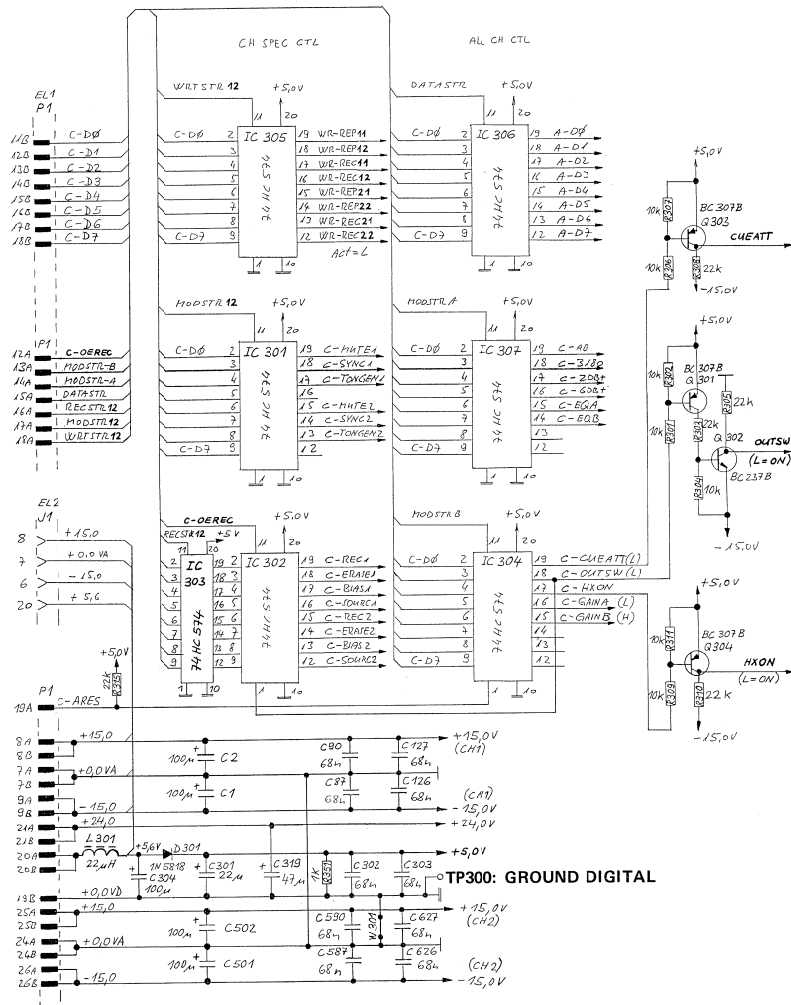
ORIG 89/06/07 (01) 89/08/08 (02) 89/09/12 (03) 89/11/15

S T U D E R (03) 89/11/15 GP AUDIO ELECTRONICS BOARD PL 1.827.715.00 PAGE 2

MANUFACTURER: St = Studer



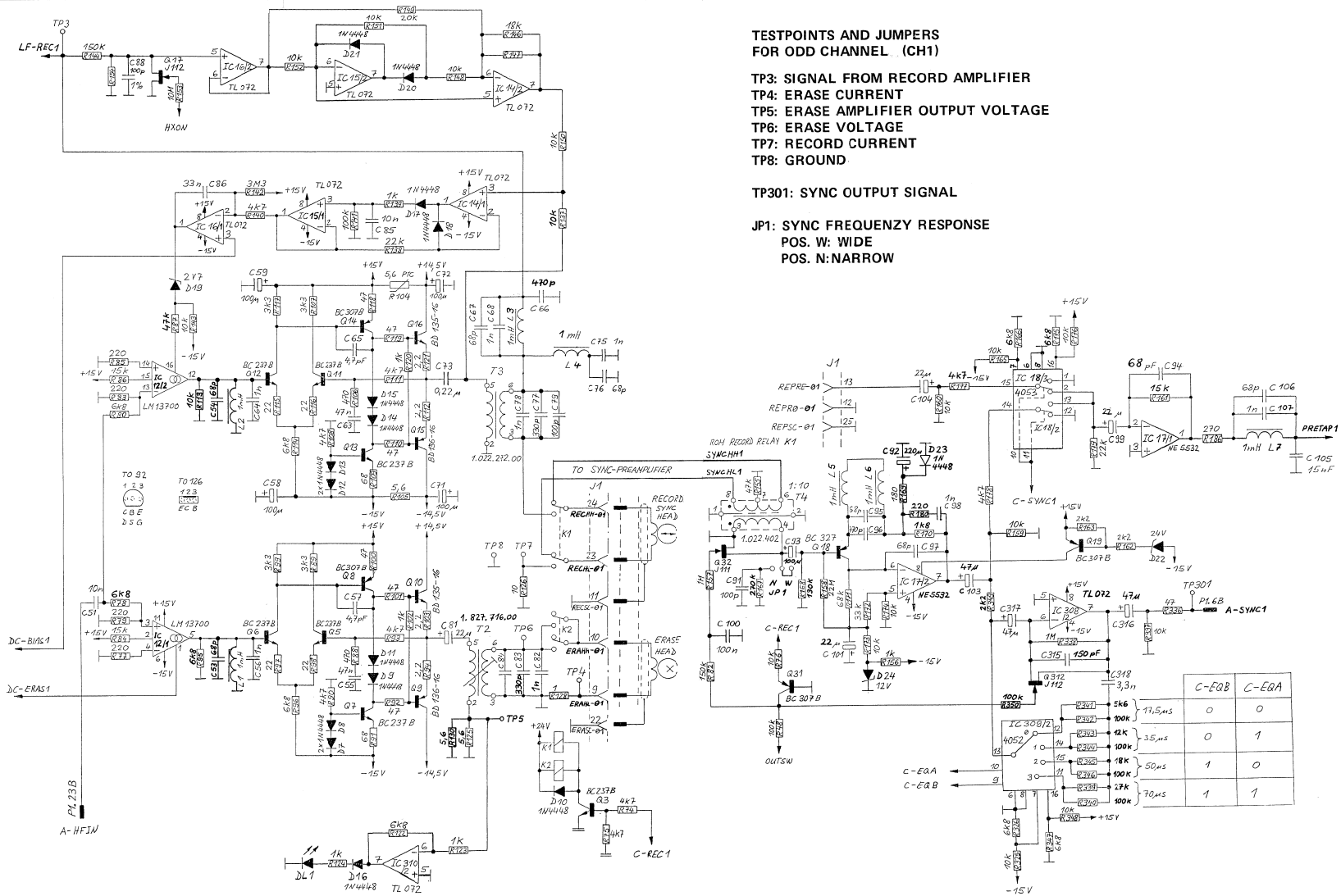
AUDIO ELECTRONICS BOARD 1.827.710.00



① 23.1.90 GP	① 11.4.90 GP	② . . .	③ . . .
A 827 GR 1	CH 1 + CH 2		PAGE 1 OF 13
STUDER	AUDIO ELECTRONICS BOARD	SC	1.827.710.00



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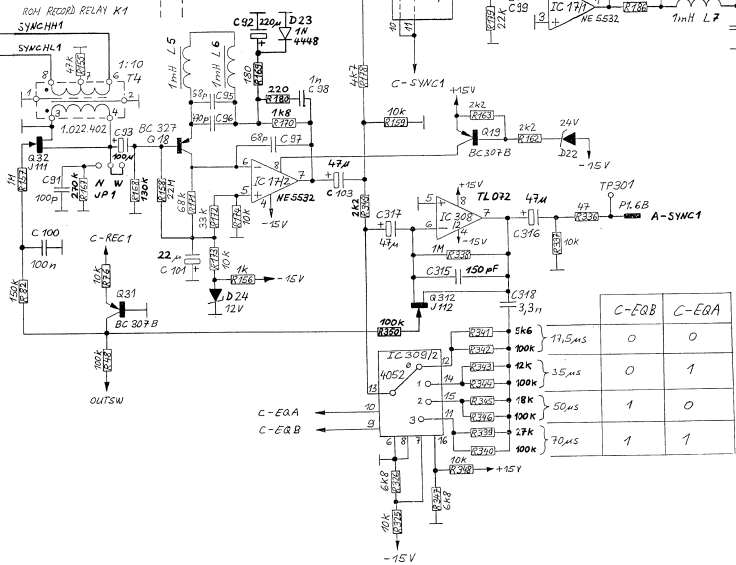


TESTPOINTS AND JUMPERS FOR ODD CHANNEL (CH1)

- TP3: SIGNAL FROM RECORD AMPLIFIER
- TP4: ERASE CURRENT
- TP5: ERASE AMPLIFIER OUTPUT VOLTAGE
- TP6: ERASE VOLTAGE
- TP7: RECORD CURRENT
- TP8: GROUND

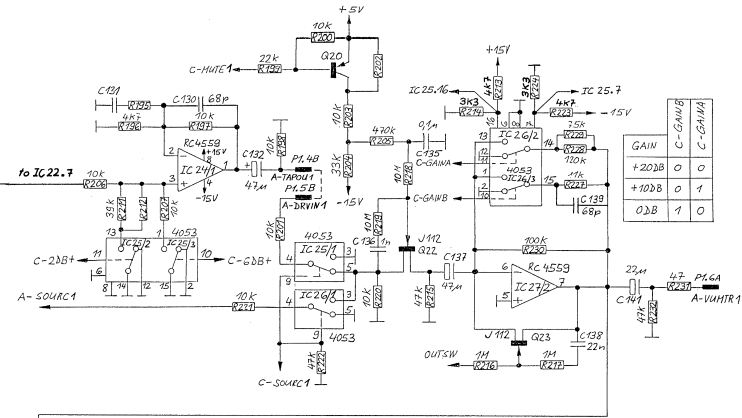
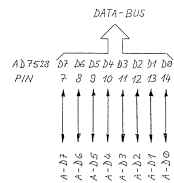
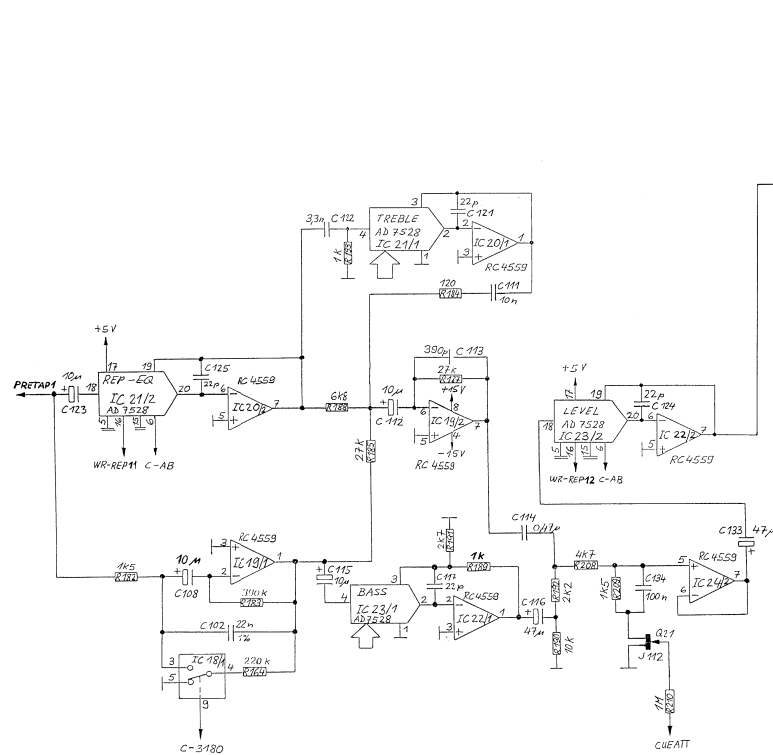
TP301: SYNC OUTPUT SIGNAL

JP1: SYNC FREQUENCY RESPONSE
 POS. W: WIDE
 POS. N: NARROW

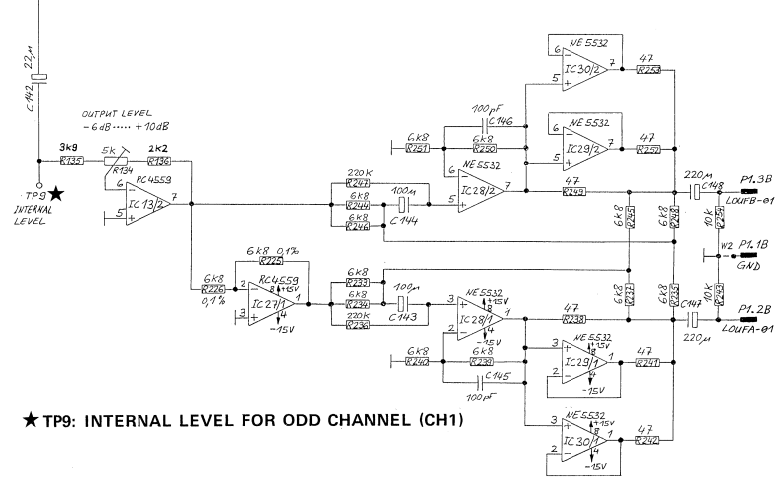


① 23.1.90 GP	① 11.4.90 GP	②			
	A 827 GR1 CH1				PAGE 4 OF 13
STUDER	AUDIO ELECTRONICS BOARD	SC	1.827.710.00		

① 23.1.90 GP	① 11.4.90 GP	②			
	A 827 GR1 CH1				PAGE 5 OF 13
STUDER	AUDIO ELECTRONICS BOARD	SC	1.827.710.00		



★ TP9: INTERNAL LEVEL FOR ODD CHANNEL (CH1)

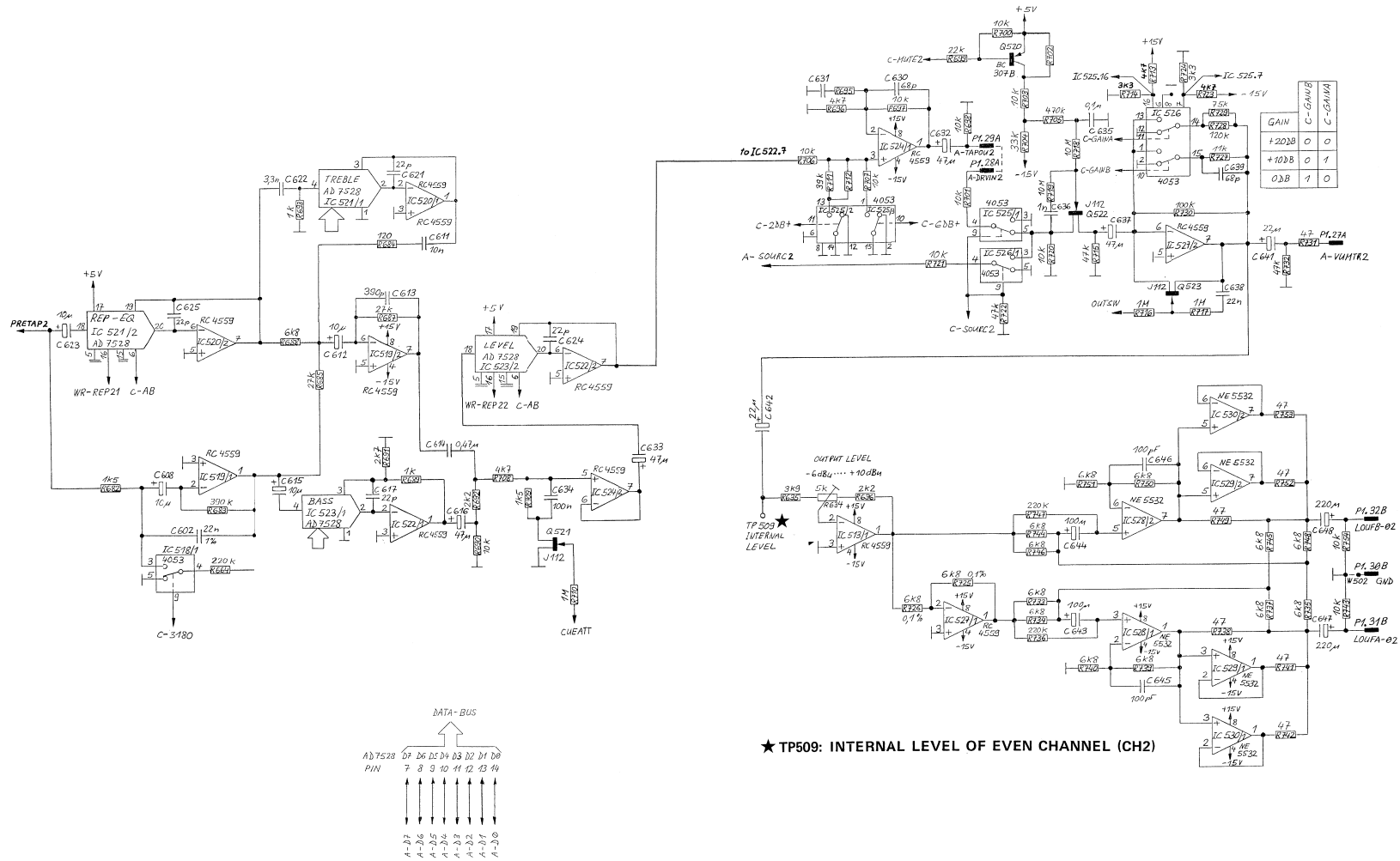


①	23.1.90 GP	②	11.4.90 GP	③	..	④	..
A 827 GR1 CH1				PAGE 6 OF 13			
STUDER AUDIO ELECTRONICS BOARD				SC 1.827.710.00			

①	23.1.90 GP	②	11.4.90 GP	③	..	④	..
A 827 GR1 CH1				PAGE 7 OF 13			
STUDER AUDIO ELECTRONICS BOARD				SC 1.827.710.00			



AUDIO ELECTRONICS BOARD 1.827.710.00



① 23.1.90 GP	① 11.4.90 GP	②		
	A 827 GR1 CH2			
STUDER	AUDIO ELECTRONICS BOARD	SC	1.827.710.00	PAGE 12 OF 13

① 23.1.90 GP	① 11.4.90 GP	②		
	A 827 GR1 CH2			
STUDER	AUDIO ELECTRONICS BOARD	SC	1.827.710.00	PAGE 13 OF 13

STUDER A827 MCH



AUDIO ELECTRONICS BOARD 1.827.710.00

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C...	1	59.22.5101	100 uF	-20% 25V EL	C...	114	59.06.5474	470 nF	5% 50V PETP	C...	564	59.06.1102	1 nF	1% 50V PP
C...	2	59.22.5101	100 uF	-20% 25V EL	C...	115	59.22.6100	10 uF	-20% 35V EL	C...	565	59.34.0479	4.7 pF	10% 50V Cer
C...	3	59.05.1881	680 pF	1% 50V PP	C...	116	59.22.3470	47 uF	-20% 10V EL	C...	566	59.34.5471	470 pF	5% 50V Cer
C...	4	59.05.1881	680 pF	1% 50V PP	C...	117	59.34.2220	22 pF	10% 50V Cer	C...	567	59.34.4680	68 pF	10% 50V Cer
C...	5	59.06.0103	10 nF	10% 50V PETP	C...	118	59.06.0683	68 pF	10% 50V Cer	C...	568	59.05.2102	1 nF	2.5% 50V PP
C...	6	59.22.2221	220 uF	-20% 6.3V EL	C...	121	59.34.2220	22 pF	10% 50V Cer	C...	571	59.22.5101	100 uF	-20% 25V EL
C...	7	59.34.4151	150 pF	10% 50V Cer	C...	122	59.05.2332	3.3 nF	2.5% 50V PP	C...	572	59.22.5101	100 uF	-20% 25V EL
C...	8	59.22.3470	47 uF	-20% 10V EL	C...	123	59.22.6100	10 uF	-20% 35V EL	C...	573	59.06.0224	220 nF	10% 50V PETP
C...	10	59.34.4680	68 pF	10% 50V Cer	C...	124	59.34.2220	22 pF	10% 50V Cer	C...	575	59.05.1102	1 nF	1% 50V PP
C...	111	59.22.3470	47 uF	-20% 10V EL	C...	125	59.34.2220	22 pF	10% 50V Cer	C...	576	59.34.4680	68 pF	10% 50V Cer
C...	112	59.22.3470	47 uF	-20% 10V EL	C...	126	59.06.0683	68 nF	10% 50V PETP	C...	577	59.05.2331	330 pF	2.5% 630V PP
C...	113	59.22.3470	47 uF	-20% 10V EL	C...	127	59.06.0683	68 nF	10% 50V PETP	C...	578	59.05.1102	1 nF	1% 630V PP
C...	14	00.00.0000	not used		C...	130	59.34.4680	68 pF	10% 50V Cer	C...	579	59.05.1101	100 pF	2.5% 630V PETP
C...	15	59.06.5473	47 nF	5% 50V PETP	C...	131	00.00.0000	not used		C...	581	59.22.6220	22 uF	-20% 35V ELTTP
C...	16	00.00.0000	not used		C...	132	59.22.3470	47 uF	-20% 10V EL	C...	582	59.05.2102	1 nF	2.5% 630V PP
C...	17	59.06.5473	47 nF	5% 50V PETP	C...	133	59.22.3470	47 uF	-20% 10V EL	C...	583	59.05.2331	330 pF	2.5% 630V PP
C...	18	59.05.2102	1 nF	2.5% 50V PP	C...	134	59.06.0104	100 nF	10% 50V PETP	C...	584	00.00.0000	not used	
C...	21	59.05.2102	1 nF	2.5% 50V PP	C...	135	59.06.0104	100 nF	10% 50V PETP	C...	585	59.06.0103	10 nF	10% 50V PETP
C...	22	59.05.2102	1 nF	2.5% 50V PP	C...	136	59.06.0102	1 nF	10% 50V PETP	C...	586	59.06.0333	33 nF	10% 50V PETP
C...	23	59.05.2102	1 nF	2.5% 50V PP	C...	137	59.22.3470	47 uF	-20% 10V EL	C...	587	59.06.0683	68 nF	10% 50V PETP
C...	24	59.34.4680	68 pF	10% 50V Cer	C...	138	59.06.0223	22 nF	10% 50V Cer	C...	588	59.05.1101	100 pF	1% 50V PP
C...	25	59.06.0223	22 nF	10% 50V PETP	C...	139	59.34.4680	68 pF	10% 50V Cer	C...	589	00.00.0000	not used	
C...	26	59.22.8479	4.7 uF	-20% 35V EL	C...	141	59.22.6220	22 uF	-20% 35V EL	C...	591	59.34.4101	100 pF	10% 50V Cer
C...	27	59.22.3470	47 uF	-20% 10V EL	C...	142	59.22.6220	22 uF	-20% 35V EL	C...	592	59.22.2221	220 uF	-20% 6.3V EL
C...	28	59.22.3470	47 uF	-20% 10V EL	C...	143	59.22.3101	100 uF	-20% 10V EL	C...	593	59.22.3101	100 uF	-20% 10V EL
C...	31	59.22.6100	10 uF	-20% 35V EL	C...	144	59.22.3101	100 uF	-20% 10V EL	C...	594	59.34.4680	68 pF	10% 50V Cer
C...	32	59.05.2102	1 nF	2.5% 50V PP	C...	145	59.34.4101	100 pF	10% 50V Cer	C...	595	59.34.4680	68 pF	10% 50V Cer
C...	33	59.05.2102	1 nF	2.5% 50V PP	C...	146	59.34.4101	100 pF	10% 50V Cer	C...	596	59.05.2471	470 pF	2.5% 50V PP
C...	34	59.06.5680	68 pF	10% 50V PETP	C...	147	59.22.2221	220 uF	-20% 6.3V EL	C...	597	59.34.4680	68 pF	10% 50V Cer
C...	35	59.05.1332	3.3 nF	1% 50V PP	C...	148	59.22.2221	220 uF	-20% 6.3V EL	C...	598	59.06.0683	68 nF	10% 50V PETP
C...	36	59.05.1332	3.3 nF	1% 50V PP	C...	301	59.22.5220	22 uF	-20% 25V EL	C...	599	59.22.5220	22 uF	-20% 25V EL
C...	37	59.34.2220	22 pF	10% 50V Cer	C...	302	59.06.0683	68 nF	10% 50V PETP	C...	600	59.06.0104	100 nF	10% 50V PETP
C...	38	59.34.2220	22 pF	10% 50V Cer	C...	303	59.06.0683	68 nF	10% 50V PETP	C...	601	59.22.5220	22 uF	-20% 25V EL
C...	41	59.34.2220	22 pF	10% 50V Cer	C...	304	59.22.3101	100 uF	-20% 10V EL	C...	602	59.05.1223	22 nF	1% 50V PP
C...	42	59.34.2220	22 pF	10% 50V Cer	C...	311	59.22.3470	47 uF	-20% 10V EL	C...	603	59.05.0470	4.7 uF	-20% 6.3V EL, SAL
C...	43	59.22.3470	47 uF	-20% 10V EL	C...	312	59.34.4151	150 pF	10% 50V Cer	C...	604	59.26.1220	22 nF	-20% 10V EL, SAL
C...	44	59.22.3470	47 uF	-20% 10V EL	C...	313	59.05.2332	3.3 nF	2.5% 50V PP	C...	605	59.06.0153	15 nF	10% 50V PETP
C...	45	59.06.5474	470 nF	5% 50V PETP	C...	314	59.22.3470	47 uF	-20% 10V EL	C...	606	59.34.4680	68 pF	10% 50V Cer
C...	46	59.06.0104	100 nF	10% 50V PETP	C...	315	59.34.4151	150 pF	10% 50V Cer	C...	607	59.05.2102	1 nF	2.5% 50V PP
C...	47	59.06.0472	4.7 uF	-20% 10V EL	C...	316	59.22.3470	47 uF	-20% 10V EL	C...	608	59.26.2100	10 uF	20% 10V EL, SAL
C...	48	59.22.3470	47 uF	-20% 10V EL	C...	317	59.22.3470	47 uF	-20% 10V EL	C...	611	59.05.2103	10 uF	2.5% 50V PP
C...	48	59.22.3470	47 uF	-20% 10V EL	C...	318	59.05.2332	3.3 nF	2.5% 50V PP	C...	612	59.22.6100	10 uF	-20% 35V EL
C...	51	59.06.0103	10 nF	10% 50V PETP	C...	319	59.22.6470	47 uF	-20% 35V EL	C...	613	59.34.5991	390 pF	10% 50V Cer
C...	52	59.06.0103	10 nF	10% 50V PETP	C...	501	59.22.5101	100 uF	-20% 25V EL	C...	614	59.06.5474	470 nF	5% 50V Cer
C...	53	59.34.4680	68 pF	10% 50V Cer	C...	502	59.22.5101	100 uF	-20% 25V EL	C...	615	59.22.6100	10 uF	-20% 35V EL
C...	54	59.34.4680	68 pF	10% 50V Cer	C...	503	59.05.1881	680 pF	1% 50V PP	C...	616	59.22.3470	47 uF	-20% 10V EL
C...	55	59.06.0473	47 nF	10% 50V PETP	C...	504	59.05.1881	680 pF	1% 50V PP	C...	617	59.34.2220	22 pF	10% 50V Cer
C...	56	59.05.1102	1 nF	1% 50V PP	C...	505	59.06.0103	10 nF	10% 50V PETP	C...	618	59.06.0683	68 nF	10% 50V PETP
C...	57	59.34.0479	4.7 pF	10% 50V Cer	C...	506	59.22.2221	220 uF	-20% 6.3V EL	C...	621	59.34.2220	22 pF	10% 50V Cer
C...	58	59.22.5101	100 uF	-20% 25V EL	C...	507	59.34.4151	150 pF	10% 50V Cer	C...	622	59.05.2332	3.3 nF	2.5% 50V PP
C...	59	59.22.5101	100 uF	-20% 25V EL	C...	508	59.22.3470	47 uF	-20% 10V EL	C...	623	59.22.6100	10 uF	-20% 35V EL
C...	63	59.06.0473	47 nF	10% 50V PETP	C...	511	59.22.3470	47 uF	-20% 10V EL	C...	624	59.34.2220	22 pF	10% 50V Cer
C...	64	59.05.1102	1 nF	1% 50V PP	C...	512	59.22.3470	47 uF	-20% 10V EL	C...	625	59.34.2220	22 pF	10% 50V Cer
C...	65	59.34.0479	4.7 pF	10% 50V Cer	C...	513	59.22.3470	47 uF	-20% 10V EL	C...	626	59.06.0683	68 nF	10% 50V PETP
C...	66	59.34.5471	470 pF	5% 50V Cer	C...	514	00.00.0000	not used		C...	627	59.06.0683	68 nF	10% 50V PETP
C...	67	59.34.4680	68 pF	10% 50V Cer	C...	515	59.06.5473	47 nF	5% 50V PETP	C...	628	59.34.4680	68 pF	10% 50V Cer
C...	68	59.05.2102	1 nF	2.5% 50V PP	C...	516	00.00.0000	not used		C...	629	59.34.4680	68 pF	10% 50V Cer
C...	71	59.22.5101	100 uF	-20% 25V EL	C...	517	00.00.0000	not used		C...	631	00.00.0000	not used	
C...	72	59.22.5101	100 uF	-20% 25V EL	C...	518	59.05.2102	1 nF	2.5% 50V PP	C...	632	59.22.3470	47 uF	-20% 10V EL
C...	75	59.06.0224	220 nF	10% 50V PETP	C...	521	59.05.2102	1 nF	2.5% 50V PP	C...	633	59.22.3470	47 uF	-20% 10V EL
C...	76	59.05.1102	1 nF	1% 50V PP	C...	522	59.05.2102	1 nF	2.5% 50V PP	C...	634	59.06.0104	100 nF	10% 50V PETP
C...	77	59.34.4680	68 pF	10% 50V Cer	C...	523	59.05.2102	1 nF	2.5% 50V PP	C...	635	59.06.0104	100 nF	10% 50V PETP
C...	78	59.05.1102	1 nF	1% 50V PP	C...	524	59.34.4221	220 pF	5% 50V Cer	C...	636	59.06.0102	1 nF	10% 50V PETP
C...	79	59.05.1101	100 pF	2.5% 630V PP	C...	525	59.06.0223	22 nF	10% 50V Cer	C...	637	59.22.3470	47 uF	-20% 10V EL
C...	81	59.22.6220	22 uF	-20% 35V EL	C...	526	59.22.8479	4.7 uF	-20% 35V EL	C...	638	59.06.0223	22 nF	10% 50V Cer
C...	82	59.05.2102	1 nF	2.5% 630V PP	C...	527	59.22.3470	47 uF	-20% 10V EL	C...	639	59.34.4680	68 pF	10% 50V Cer
C...	83	59.05.2331	330 pF	2.5% 630V PP	C...	528	59.22.3470	47 uF	-20% 10V EL	C...	641	59.22.6220	22 uF	-20% 35V EL
C...	84	00.00.0000	not used		C...	529	59.22.3470	47 uF	-20% 10V EL	C...	642	59.22.6220	22 uF	-20% 35V EL
C...	85	59.06.0103	10 nF	10% 50V PETP	C...	531	59.22.6100	10 uF	-20% 35V EL	C...	643	59.22.3101	100 pF	-20% 10V EL
C...	86	59.06.0333	33 nF	10% 50V PETP	C...	532	59.05.2102	1 nF	2.5% 50V PP	C...	644	59.22.3101	100 pF	-20% 10V EL
C...	87	59.06.0683	68 nF	10% 50V PETP	C...	533	59.05.2102	1 nF						

STUDER A827 MCH



AUDIO ELECTRONICS BOARD 1.827.710.00

ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
IC..524	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q...509	50.03.0510	BD136-16		PNP	R...779	57.11.3221	220 Ohm	1%	C,25M, MF	R...176	57.11.3103	10 kOhm	1%	0,25M, MF
IC..525	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q...510	50.03.0495	BD136-16		NPN	R...780	57.11.3682	6.8 kOhm	1%	0,25M, MF	R...177	57.11.3472	4.7 kOhm	1%	0,25M, MF
IC..526	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q...511	50.03.0436	BC237B	BC547B, BC550B	NPN	R...81	57.11.3153	15 kOhm	1%	0,25M, MF	R...178	57.11.3472	4.7 kOhm	1%	0,25M, MF
IC..527	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q...512	50.03.0436	BC237B	BC547B, BC550B	NPN	R...82	57.11.3154	150 kOhm	1%	0,25M, MF	R...179	57.11.3223	22 kOhm	1%	0,25M, MF
IC..528	50.09.0105	NE 5532	Dual Op. Amp.	Sig	Q...513	50.03.0436	BC237B	BC547B, BC550B	NPN	R...83	57.11.3221	220 Ohm	1%	0,25M, MF	R...180	57.11.3221	220 Ohm	1%	0,25M, MF
IC..529	50.09.0105	NE 5532	Dual Op. Amp.	Sig	Q...514	50.03.0515	BC307B	BC557B, BC560B	PNP	R...84	57.11.3153	15 kOhm	1%	0,25M, MF	R...181	57.11.3152	1.5 kOhm	1%	0,25M, MF
IC..530	50.09.0105	NE 5532	Dual Op. Amp.	Sig	Q...515	50.03.0510	BD136-16		PNP	R...85	57.11.3221	220 Ohm	1%	0,25M, MF	R...182	57.11.3394	390 kOhm	1%	0,25M, MF
J...1	54.13.0003		Connector D-Type 25P		Q...516	50.03.0495	BD136-16		NPN	R...86	57.11.3153	15 kOhm	1%	0,25M, MF	R...183	57.11.3121	120 Ohm	1%	0,25M, MF
J...1	54.01.0021		Bridge	Not	Q...517	50.03.0350	J112		JFET	R...87	57.11.3473	4.7 kOhm	1%	0,25M, MF	R...184	57.11.3273	27 kOhm	1%	0,25M, MF
J...5C1	54.01.0021		Bridge	Not	Q...518	50.03.0525	BC327		PNP	R...88	57.11.3471	4.7 kOhm	1%	0,25M, MF	R...185	57.11.3271	270 Ohm	1%	0,25M, MF
K...1	56.04.0197	24u	Relay, 24V, 2880 Ohm	Not	Q...519	50.03.0515	BC307B	BC557B, BC560B	PNP	R...89	57.11.3332	3.3 kOhm	1%	0,25M, MF	R...186	57.11.3273	27 kOhm	1%	0,25M, MF
K...2	56.04.0197	24u	Relay, 24V, 2880 Ohm	Not	Q...520	50.03.0515	BC307B	BC557B, BC560B	PNP	R...90	57.11.3472	4.7 kOhm	1%	0,25M, MF	R...187	57.11.3682	6.8 kOhm	1%	0,25M, MF
K...5C1	56.04.0197	24u	Relay, 24V, 2880 Ohm	Not	Q...521	50.03.0350	J112		JFET	R...91	57.11.3680	68 Ohm	1%	0,25M, MF	R...188	57.11.3102	1 kOhm	1%	0,25M, MF
K...5C2	56.04.0197	24u	Relay, 24V, 2880 Ohm	Not	Q...522	50.03.0350	J112		JFET	R...92	57.11.3470	4.7 kOhm	1%	0,25M, MF	R...189	57.11.3102	1 kOhm	1%	0,25M, MF
L...1	62.01.0128	14H			Q...523	50.03.0350	J112		JFET	R...93	57.11.3472	4.7 kOhm	1%	0,25M, MF	R...190	57.11.3103	10 kOhm	1%	0,25M, MF
L...2	62.01.0128	14H			Q...524	50.03.0350	J112		JFET	R...94	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...191	57.11.3272	2.7 kOhm	1%	0,25M, MF
L...3	62.01.0128	14H			Q...525	50.03.0350	J112		JFET	R...95	57.11.3682	6.8 kOhm	1%	0,25M, MF	R...192	57.11.3222	2.2 kOhm	1%	0,25M, MF
L...4	62.01.0128	14H			Q...526	50.03.0350	J112		JFET	R...96	57.11.3682	6.8 kOhm	1%	0,25M, MF	R...193	57.11.3102	1 kOhm	1%	0,25M, MF
L...5	62.01.0128	14H			Q...527	50.03.0350	J112		JFET	R...97	57.11.3220	22 Ohm	1%	0,25M, MF	R...194	57.11.3223	22 kOhm	1%	0,25M, MF
L...6	62.01.0128	14H			Q...528	50.03.0350	J112		JFET	R...98	57.11.3220	22 Ohm	1%	0,25M, MF	R...195	00.00.0000			not used
L...7	62.01.0128	14H			Q...529	50.03.0350	J112		JFET	R...99	57.11.3332	3.3 kOhm	1%	0,25M, MF	R...196	57.11.3472	4.7 kOhm	1%	0,25M, MF
L...301	62.02.0220	22uH			Q...530	50.03.0216	J111		JFET	R...100	57.11.3470	4.7 kOhm	1%	0,25M, MF	R...197	57.11.3103	10 kOhm	1%	0,25M, MF
L...501	62.01.0128	14H			R...1	57.11.3152	1.5 kOhm	1%	0,25M, MF	R...101	57.11.3470	4.7 Ohm	1%	0,25M, MF	R...198	57.11.3103	10 kOhm	1%	0,25M, MF
L...502	62.01.0128	14H			R...2	57.11.3152	1.5 kOhm	1%	0,25M, MF	R...102	57.11.3102	1 kOhm	1%	0,25M, MF	R...199	57.11.3223	22 kOhm	1%	0,25M, MF
L...503	62.01.0128	14H			R...3	57.11.3392	3.9 kOhm	1%	0,25M, MF	R...103	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...200	57.11.3103	10 kOhm	1%	0,25M, MF
L...504	62.01.0128	14H			R...4	57.11.3392	3.9 kOhm	1%	0,25M, MF	R...104	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...201	57.11.3103	10 kOhm	1%	0,25M, MF
L...505	62.01.0128	14H			R...5	57.11.3101	100 Ohm	1%	0,25M, MF	R...105	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...202	00.00.0000			not used
L...506	62.01.0128	14H			R...6	57.11.3101	100 Ohm	1%	0,25M, MF	R...106	57.11.3569	5.6 Ohm	1%	0,25M, MF	R...203	57.11.3103	10 kOhm	1%	0,25M, MF
L...507	62.01.0128	14H			R...7	57.11.3392	3.9 kOhm	1%	0,25M, MF	R...107	57.11.3471	4.7 Ohm	1%	0,25M, MF	R...204	57.11.3333	33 kOhm	1%	0,25M, MF
L...508	62.01.0128	14H			R...8	57.11.3101	100 Ohm	1%	0,25M, MF	R...108	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...205	57.11.3474	470 kOhm	1%	0,25M, MF
L...509	62.01.0128	14H			R...9	57.11.3103	10 kOhm	1%	0,25M, MF	R...109	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...206	57.11.3103	10 kOhm	1%	0,25M, MF
L...510	62.01.0128	14H			R...10	57.11.3682	6.8 kOhm	1%	0,25M, MF	R...110	57.11.3470	4.7 Ohm	1%	0,25M, MF	R...207	57.11.3103	10 kOhm	1%	0,25M, MF
L...511	62.01.0128	14H			R...11	57.11.3103	10 kOhm	1%	0,25M, MF	R...111	57.11.3472	4.7 kOhm	1%	0,25M, MF	R...208	57.11.3472	4.7 kOhm	1%	0,25M, MF
L...512	62.01.0128	14H			R...12	57.11.3103	10 kOhm	1%	0,25M, MF	R...112	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...209	57.11.3152	1.5 kOhm	1%	0,25M, MF
L...513	62.01.0128	14H			R...13	57.11.3473	4.7 kOhm	1%	0,25M, MF	R...113	57.11.3103	10 kOhm	1%	0,25M, MF	R...210	57.11.3105	1 MOhm	1%	0,25M, MF
L...514	62.01.0128	14H			R...14	57.11.3473	4.7 kOhm	1%	0,25M, MF	R...114	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...211	57.11.3393	39 kOhm	1%	0,25M, MF
L...515	62.01.0128	14H			R...15	57.11.3103	10 kOhm	1%	0,25M, MF	R...115	57.11.3220	22 Ohm	1%	0,25M, MF	R...212	00.00.0000			not used
L...516	62.01.0128	14H			R...16	57.11.3682	6.8 kOhm	1%	0,25M, MF	R...116	57.11.3220	22 Ohm	1%	0,25M, MF	R...213	57.11.3472	4.7 kOhm	1%	0,25M, MF
L...517	62.01.0128	14H			R...17	57.11.3103	10 kOhm	1%	0,25M, MF	R...117	57.11.3332	3.3 kOhm	1%	0,25M, MF	R...214	57.11.3332	3.3 kOhm	1%	0,25M, MF
L...518	62.01.0128	14H			R...18	57.11.3273	27 kOhm	1%	0,25M, MF	R...118	57.11.3470	4.7 Ohm	1%	0,25M, MF	R...215	57.11.3473	47 kOhm	1%	0,25M, MF
L...519	62.01.0128	14H			R...19	57.11.3154	150 kOhm	1%	0,25M, MF	R...119	57.11.3470	4.7 Ohm	1%	0,25M, MF	R...216	57.11.3105	1 MOhm	1%	0,25M, MF
L...520	62.01.0128	14H			R...20	57.11.3102	1 kOhm	1%	0,25M, MF	R...120	57.11.3102	1 kOhm	1%	0,25M, MF	R...217	57.11.3105	1 MOhm	1%	0,25M, MF
L...521	62.01.0128	14H			R...21	57.11.3103	10 kOhm	1%	0,25M, MF	R...121	57.11.3229	2.2 Ohm	1%	0,25M, MF	R...218	57.11.5106	10 MOhm	5%	0,25M, MF
L...522	62.01.0128	14H			R...22	57.11.3152	1.5 kOhm	1%	0,25M, MF	R...122	57.11.3682	6.8 kOhm	1%	0,25M, MF	R...219	57.11.5106	10 MOhm	5%	0,25M, MF
L...523	62.01.0128	14H			R...23	57.11.3273	27 kOhm	1%	0,25M, MF	R...123	57.11.3102	1 kOhm	1%	0,25M, MF	R...220	57.11.3103	10 kOhm	1%	0,25M, MF
L...524	62.01.0128	14H			R...24	57.11.3332	3.3 kOhm	1%	0,25M, MF	R...124	57.11.3102	1 kOhm	1%	0,25M, MF	R...221	57.11.3103	10 kOhm	1%	0,25M, MF
L...525	62.01.0128	14H			R...25	00.00.0000			not used	R...125	57.11.3569	5.6 Ohm	1%	0,25M, MF	R...222	57.11.3472	4.7 kOhm	1%	0,25M, MF
L...526	62.01.0128	14H			R...26	00.00.0000			not used	R...126	57.11.3100	10 Ohm	1%	0,25M, MF	R...223	57.11.3472	4.7 kOhm	1%	0,25M, MF
L...527	62.01.0128	14H			R...27	57.11.3102	1 kOhm	1%	0,25M, MF	R...127	57.11.3153	15 kOhm	1%	0,25M, MF	R...224	57.11.3332	3.3 kOhm	1%	0,25M, MF
L...528	62.01.0128	14H			R...28	57.11.3154	150 kOhm	1%	0,25M, MF	R...128	57.11.3109	1 Ohm	1%	0,25M, MF	R...225	57.99.0250	6.8 kOhm	0.1%	0,25M, MF
L...529	62.01.0128	14H			R...29	57.11.3681	680 Ohm	1%	0,25M, MF	R...129	58.01.9103	10 kOhm	10%	0.5 W, PWS	R...226	57.11.3124	120 kOhm	1%	0,25M, MF
L...530	62.01.0128	14H			R...30	57.11.3472	4.7 kOhm	1%	0,25M, MF	R...130	57.11.3569	5.6 Ohm	1%	0,25M, MF	R...227	57.11.3152	1.5 kOhm	1%	0,25M, MF
L...531	62.01.0128	14H			R...31	57.11.3272	2.7 kOhm	1%	0,25M, MF	R...131	58.01.9502	5 kOhm	10%	0.5 W, PWS	R...228	57.11.3124	120 kOhm	1%	0,25M, MF
L...532	62.01.0128	14H			R...32	57.11.3432	4.3 kOhm	1%	0,25M, MF	R...132	57.11.3332	3.3 kOhm	1%	0,25M, MF	R...229	57.11.3124	120 kOhm	1%	0,25M, MF
L...533</																			



AUDIO ELECTRONICS BOARD 1.827.710.00

Ad	..POS..	..REF.No..	DESCRIPTION.....	MANUFACTURER	Ad	..POS..	..REF.No..	DESCRIPTION.....	MANUFACTURER
R...328	57.11.3104	100	kOhm	1%, 0.25W, MF	R...572	57.11.3473	47	kOhm	1%, 0.25W, MF
R...329	57.11.3273	27	kOhm	1%, 0.25W, MF	R...573	57.11.3223	22	kOhm	1%, 0.25W, MF
R...330	57.11.3104	100	kOhm	1%, 0.25W, MF	R...574	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R...331	57.11.3183	18	kOhm	1%, 0.25W, MF	R...575	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R...332	57.11.3104	100	kOhm	1%, 0.25W, MF	R...576	57.11.3103	10	kOhm	1%, 0.25W, MF
R...333	57.11.3562	5.6	kOhm	1%, 0.25W, MF	R...577	57.11.3221	220	Ohm	1%, 0.25W, MF
R...334	57.11.3104	100	kOhm	1%, 0.25W, MF	R...578	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R...335	57.11.3222	2.2	kOhm	1%, 0.25W, MF	R...579	57.11.3221	220	Ohm	1%, 0.25W, MF
R...336	57.11.3470	47	Ohm	1%, 0.25W, MF	R...580	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R...337	57.11.3103	10	kOhm	1%, 0.25W, MF	R...581	57.11.3153	15	kOhm	1%, 0.25W, MF
R...338	57.11.3105	1	MOhm	1%, 0.25W, MF	R...582	57.11.3154	150	kOhm	1%, 0.25W, MF
R...339	57.11.3273	27	kOhm	1%, 0.25W, MF	R...583	57.11.3221	220	Ohm	1%, 0.25W, MF
R...340	57.11.3104	100	kOhm	1%, 0.25W, MF	R...584	57.11.3153	15	kOhm	1%, 0.25W, MF
R...341	57.11.3562	5.6	kOhm	1%, 0.25W, MF	R...585	57.11.3221	220	Ohm	1%, 0.25W, MF
R...342	57.11.3104	100	kOhm	1%, 0.25W, MF	R...586	57.11.3153	15	kOhm	1%, 0.25W, MF
R...343	57.11.3123	12	kOhm	1%, 0.25W, MF	R...587	57.11.3473	47	kOhm	1%, 0.25W, MF
R...344	57.11.3104	100	kOhm	1%, 0.25W, MF	R...588	57.11.3471	470	Ohm	1%, 0.25W, MF
R...345	57.11.3183	18	kOhm	1%, 0.25W, MF	R...589	57.11.3332	3.3	kOhm	1%, 0.25W, MF
R...346	57.11.3104	100	kOhm	1%, 0.25W, MF	R...590	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R...347	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R...591	57.11.3680	68	Ohm	1%, 0.25W, MF
R...348	57.11.3103	10	kOhm	1%, 0.25W, MF	R...592	57.11.3470	47	Ohm	1%, 0.25W, MF
R...349	57.11.3222	2.2	kOhm	1%, 0.25W, MF	R...593	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R...350	57.11.3104	100	kOhm	1%, 0.25W, MF	R...594	57.11.3229	2.2	Ohm	1%, 0.25W, MF
R...351	57.11.3102	1	kOhm	1%, 0.25W, MF	R...596	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R...501	57.11.3152	1.5	kOhm	1%, 0.25W, MF	R...596	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R...502	57.11.3152	1.5	kOhm	1%, 0.25W, MF	R...597	57.11.3220	22	Ohm	1%, 0.25W, MF
R...503	57.11.3392	3.9	kOhm	1%, 0.25W, MF	R...598	57.11.3220	22	Ohm	1%, 0.25W, MF
R...504	57.11.3392	3.9	kOhm	1%, 0.25W, MF	R...599	57.11.3332	3.3	kOhm	1%, 0.25W, MF
R...505	57.11.3182	1.8	kOhm	1%, 0.25W, MF	R...600	57.11.3470	47	Ohm	1%, 0.25W, MF
R...506	57.11.3101	100	Ohm	1%, 0.25W, MF	R...601	57.11.3470	47	Ohm	1%, 0.25W, MF
R...507	57.11.3392	3.9	kOhm	1%, 0.25W, MF	R...602	57.11.3102	1	kOhm	1%, 0.25W, MF
R...508	57.11.3432	4.3	kOhm	1%, 0.25W, MF	R...603	57.11.3229	2.2	Ohm	1%, 0.25W, MF
R...509	57.11.3103	10	kOhm	1%, 0.25W, MF	R...604	57.99.0209	5.6	Ohm	PTC
R...510	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R...605	57.11.3569	5.6	Ohm	1%, 0.25W, MF
R...511	57.11.3103	10	kOhm	1%, 0.25W, MF	R...606	57.11.3471	470	Ohm	1%, 0.25W, MF
R...512	57.11.3103	10	kOhm	1%, 0.25W, MF	R...607	57.11.3332	3.3	kOhm	1%, 0.25W, MF
R...514	57.11.3473	47	kOhm	1%, 0.25W, MF	R...608	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R...515	57.11.3103	10	kOhm	1%, 0.25W, MF	R...609	57.11.3680	68	Ohm	1%, 0.25W, MF
R...516	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R...610	57.11.3470	47	Ohm	1%, 0.25W, MF
R...517	57.11.3103	10	kOhm	1%, 0.25W, MF	R...611	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R...518	57.11.3273	27	kOhm	1%, 0.25W, MF	R...612	57.11.3229	2.2	Ohm	1%, 0.25W, MF
R...519	57.11.3104	150	kOhm	1%, 0.25W, MF	R...613	57.11.3103	10	kOhm	1%, 0.25W, MF
R...520	57.11.3102	1	kOhm	1%, 0.25W, MF	R...614	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R...521	57.11.3103	10	kOhm	1%, 0.25W, MF	R...615	57.11.3220	22	Ohm	1%, 0.25W, MF
R...522	57.11.3152	1.5	kOhm	1%, 0.25W, MF	R...616	57.11.3220	22	Ohm	1%, 0.25W, MF
R...523	57.11.3273	27	kOhm	1%, 0.25W, MF	R...617	57.11.3332	3.3	kOhm	1%, 0.25W, MF
R...524	57.11.3332	3.3	kOhm	1%, 0.25W, MF	R...618	57.11.3470	47	Ohm	1%, 0.25W, MF
R...525	00.00.0000			not used	R...619	57.11.3470	47	Ohm	1%, 0.25W, MF
R...526	00.00.0000			not used	R...620	57.11.3102	1	kOhm	1%, 0.25W, MF
R...527	57.11.3102	1	kOhm	1%, 0.25W, MF	R...621	57.11.3229	2.2	Ohm	1%, 0.25W, MF
R...528	57.11.3154	150	kOhm	1%, 0.25W, MF	R...622	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R...529	57.11.3681	680	Ohm	1%, 0.25W, MF	R...623	57.11.3102	1	kOhm	1%, 0.25W, MF
R...530	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R...624	57.11.3102	1	kOhm	1%, 0.25W, MF
R...531	57.11.3272	2.7	kOhm	1%, 0.25W, MF	R...625	57.11.3569	5.6	Ohm	1%, 0.25W, MF
R...532	57.11.3432	4.3	kOhm	1%, 0.25W, MF	R...626	57.11.3100	10	Ohm	1%, 0.25W, MF
R...533	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R...627	57.11.3153	15	kOhm	1%, 0.25W, MF
R...534	57.11.3432	4.3	kOhm	1%, 0.25W, MF	R...628	57.11.3109	1	Ohm	1%, 0.25W, MF
R...535	57.11.3681	680	Ohm	1%, 0.25W, MF	R...629	58.01.9103	10	kOhm	10%, 0.5 W, PMG
R...536	57.11.3272	2.7	kOhm	1%, 0.25W, MF	R...630	57.11.3569	5.6	Ohm	1%, 0.25W, MF
R...537	57.11.3302	3	kOhm	1%, 0.25W, MF	R...631	58.01.9502	5	kOhm	10%, 0.5 W, PMG
R...538	57.11.3302	3	kOhm	1%, 0.25W, MF	R...632	57.11.3332	3.3	kOhm	1%, 0.25W, MF
R...539	57.11.3132	1.3	kOhm	1%, 0.25W, MF	R...633	57.11.3242	2.4	kOhm	1%, 0.25W, MF
R...540	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R...634	58.01.9502	5	kOhm	10%, 0.5 W, PMG
R...541	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R...635	57.11.3392	3.9	kOhm	1%, 0.25W, MF
R...542	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R...636	57.11.3222	2.2	kOhm	1%, 0.25W, MF
R...543	57.11.3333	33	kOhm	1%, 0.25W, MF	R...637	57.11.3103	10	kOhm	1%, 0.25W, MF
R...544	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R...638	57.11.3223	22	kOhm	1%, 0.25W, MF
R...545	57.11.3221	220	Ohm	1%, 0.25W, MF	R...639	57.11.3102	1	kOhm	1%, 0.25W, MF
R...546	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R...640	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R...547	57.11.3103	10	kOhm	1%, 0.25W, MF	R...641	57.11.3104	100	kOhm	1%, 0.25W, MF
R...548	57.11.3104	100	kOhm	1%, 0.25W, MF	R...642	57.11.5335	3.3	MOhm	5%, 0.25W, MF
R...549	57.11.3683	68	kOhm	1%, 0.25W, MF	R...643	57.11.3103	10	kOhm	1%, 0.25W, MF
R...550	57.11.3752	7.5	kOhm	1%, 0.25W, MF	R...644	57.11.3154	150	kOhm	1%, 0.25W, MF
R...551	57.11.3562	5.6	kOhm	1%, 0.25W, MF	R...645	57.11.3470	47	Ohm	1%, 0.25W, MF
R...552	00.00.0000			not used	R...646	57.11.3183	18	kOhm	1%, 0.25W, MF
R...552	57.11.3223	22	kOhm	1%, 0.25W, MF	R...647	00.00.0000			not used
R...553	57.11.3223	22	kOhm	1%, 0.25W, MF	R...648	57.11.3103	10	kOhm	1%, 0.25W, MF
R...553	57.11.3154	150	kOhm	1%, 0.25W, MF	R...649	57.11.3203	20	kOhm	1%, 0.25W, MF
R...554	57.11.3223	22	kOhm	1%, 0.25W, MF	R...650	57.11.3103	10	kOhm	1%, 0.25W, MF
R...555	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R...651	57.11.3103	10	kOhm	1%, 0.25W, MF
R...556	57.11.5106	10	MOhm	5%, 0.25W, MF	R...652	57.11.3103	10	kOhm	1%, 0.25W, MF
R...557	57.11.5106	10	MOhm	5%, 0.25W, MF	R...653	57.11.5106	10	MOhm	5%, 0.25W, MF
R...558	57.11.3103	10	kOhm	1%, 0.25W, MF	R...654	00.00.0000			not used
R...559	57.11.3393	39	kOhm	1%, 0.25W, MF	R...655	57.11.3473	47	kOhm	1%, 0.25W, MF
R...560	00.00.0000			not used	R...656	57.11.3102	1	kOhm	1%, 0.25W, MF
R...561	57.11.3103	10	kOhm	1%, 0.25W, MF	R...657	57.11.3105	1	MOhm	1%, 0.25W, MF
R...562	57.11.3103	10	kOhm	1%, 0.25W, MF	R...658	57.11.6226	22	MOhm	10%, 0.25W, MF
R...563	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R...659	57.11.3103	10	kOhm	1%, 0.25W, MF
R...564	57.11.3822	8.2	kOhm	1%, 0.25W, MF	R...660	57.11.3103	10	kOhm	1%, 0.25W, MF
R...565	57.11.3182	1.8	kOhm	1%, 0.25W, MF	R...661	57.11.3153	15	kOhm	1%, 0.25W, MF
R...566	57.11.3132	1.3	kOhm	1%, 0.25W, MF	R...662	57.11.3222	2.2	kOhm	1%, 0.25W, MF
R...567	57.11.3823	82	kOhm	1%, 0.25W, MF	R...663	57.11.3222	2.2	kOhm	1%, 0.25W, MF
R...568	57.11.3151	150	Ohm	1%, 0.25W, MF	R...664	57.11.3224	220	kOhm	1%, 0.25W, MF
R...569	57.11.3471	470	Ohm	1%, 0.25W, MF	R...665	57.11.3103	10	kOhm	1%, 0.25W, MF
R...570	57.11.3562	5.6	kOhm	1%, 0.25W, MF	R...666	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R...571	00.00.0000			not used	R...667	57.11.3274	270	kOhm	1%, 0.25W, MF
					R...668	57.11.3134	130	kOhm	1%, 0.25W, MF
					R...669	57.11.3181	180	Ohm	1%, 0.25W, MF



AUDIO ELECTRONICS BOARD 1.827.710.00

Ad	..POS..	..REF.No..	DESCRIPTION.....	MANUFACTURER	Ad	..POS..	..REF.No..	DESCRIPTION.....	MANUFACTURER
R...670	57.11.3182	1.8 kOhm	1%, 0.25W, MF		TP...5	54.02.0320	Plug 2.8*0.8	AMP	
R...671	57.11.3683	68 kOhm	1%, 0.25W, MF		TP...6	54.02.0320	Plug 2.8*0.8	AMP	
R...672	57.11.3333	33 kOhm	1%, 0.25W, MF		TP...7	54.02.0320	Plug 2.8*0.8	AMP	
R...673	57.11.3103	10 kOhm	1%, 0.25W, MF		TP...8	54.02.0320	Plug 2.8*0.8	AMP	
R...674	57.11.3103	10 kOhm	1%, 0.25W, MF		TP...9	54.02.0320	Plug 2.8*0.8	AMP	
R...675	57.11.3682	6.8 kOhm	1%, 0.25W, MF		TP...300	54.02.0320	Plug 2.8*0.8	AMP	
R...676	57.11.3103	10 kOhm	1%, 0.25W, MF		TP...301	54.02.0320	Plug 2.8*0.8	AMP	
R...677	57.11.3472	4.7 kOhm	1%, 0.25W, MF		TP...302	54.02.0320	Plug 2.8*0.8	AMP	
R...678	57.11.3472	4.7 kOhm	1%, 0.25W, MF		TP...501	54.02.0320	Plug 2.8*0.8	AMP	
R...679	57.11.3223	22 kOhm	1%, 0.25W, MF		TP...503	54.02.0320	Plug 2.8*0.8	AMP	
R...680	57.11.3221	22 kOhm	1%, 0.25W, MF		TP...504	54.02.0320	Plug 2.8*0.8	AMP	
R...682	57.11.3152	1.5 kOhm	1%, 0.25W, MF		TP...505	54.02.0320	Plug 2.8*0.8	AMP	
R...683	57.11.3394	390 kOhm	1%, 0.25W, MF		TP...506	54.02.0320	Plug 2.8*0.8	AMP	
R...684	57.11.3121	120 Ohm	1%, 0.25W, MF		TP...507	54.02.0320	Plug 2.8*0.8	AMP	
R...685	57.11.3273	27 kOhm	1%, 0.25W, MF		TP...508	54.02.0320	Plug 2.8*0.8	AMP	
R...686	57.11.3271	270 Ohm	1%, 0.25W, MF		TP...509	54.02.0320	Plug 2.8*0.8	AMP	
R...687	57.11.3272	27 kOhm	1%, 0.25W, MF		W...1	00.00.0000	not used		
R...688	57.11.3682	6.8 kOhm	1%, 0.25W, MF		W...2	00.00.0000	not used		
R...689	57.11.3102	1 kOhm	1%, 0.25W, MF		W...3	64.01.0106	Wire Bridge		
R...690	57.11.3103	10 kOhm	1%, 0.25W, MF		W...10	57.11.3000	Wire Bridge		
R...691	57.11.3272	2.7 kOhm	1%, 0.25W, MF		W...301	64.01.0106	Wire Bridge		
R...692	57.11.3222	2.2 kOhm	1%, 0.25W, MF		W...501	00.00.0000	not used		
R...693	57.11.3102	1 kOhm	1%, 0.25W, MF		W...502	00.00.0000	not used		
R...695	00.00.0000		not used		W...503	64.01.0106	Wire Bridge		
R...696	57.11.3472	4.7 kOhm	1%, 0.25W, MF		XIC...1	53.03.0166	8-Pole IC Socket		
R...697	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...2	53.03.0166	8-Pole IC Socket		
R...698	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...3	53.03.0166	8-Pole IC Socket		
R...699	57.11.3223	22 kOhm	1%, 0.25W, MF		XIC...4	53.03.0166	8-Pole IC Socket		
R...700	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...5	53.03.0166	8-Pole IC Socket		
R...701	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...6	53.03.0166	20-Pole IC Socket		
R...702	00.00.0000		not used		XIC...7	53.03.0166	8-Pole IC Socket		
R...703	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...8	53.03.0166	20-Pole IC Socket		
R...704	57.11.3333	33 kOhm	1%, 0.25W, MF		XIC...9	53.03.0166	8-Pole IC Socket		
R...705	57.11.3474	470 kOhm	1%, 0.25W, MF		XIC...10	53.03.0168	16-Pole IC Socket		
R...706	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...11	53.03.0166	8-Pole IC Socket		
R...707	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...12	53.03.0168	16-Pole IC Socket		
R...708	57.11.3472	4.7 kOhm	1%, 0.25W, MF		XIC...13	53.03.0166	8-Pole IC Socket		
R...709	57.11.3152	1.5 kOhm	1%, 0.25W, MF		XIC...14	53.03.0166	8-Pole IC Socket		
R...710	57.11.3105	1 MOhm	1%, 0.25W, MF		XIC...15	53.03.0166	8-Pole IC Socket		
R...711	57.11.3393	39 kOhm	1%, 0.25W, MF		XIC...16	53.03.0166	8-Pole IC Socket		
R...712	00.00.0000		not used		XIC...17	53.03.0166	8-Pole IC Socket		
R...713	57.11.3472	4.7 kOhm	1%, 0.25W, MF		XIC...18	53.03.0168	16-Pole IC Socket		
R...714	57.11.3332	3.3 kOhm	1%, 0.25W, MF		XIC...19	53.03.0166	8-Pole IC Socket		
R...715	57.11.3473	47 kOhm	1%, 0.25W, MF		XIC...20	53.03.0166	8-Pole IC Socket		
R...716	57.11.3105	1 MOhm	1%, 0.25W, MF		XIC...21	53.03.0166	20-Pole IC Socket		
R...717	57.11.3105	1 MOhm	1%, 0.25W, MF		XIC...22	53.03.0166	8-Pole IC Socket		
R...718	57.11.5106	10 MOhm	5%, 0.25W, MF		XIC...23	53.03.0166	20-Pole IC Socket		
R...719	57.11.5106	10 MOhm	5%, 0.25W, MF		XIC...24	53.03.0166	8-Pole IC Socket		
R...720	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...25	53.03.0168	16-Pole IC Socket		
R...721	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...26	53.03.0168	16-Pole IC Socket		
R...722	57.11.3473	47 kOhm	1%, 0.25W, MF		XIC...27	53.03.0166	8-Pole IC Socket		
R...723	57.11.3472	4.7 kOhm	1%, 0.25W, MF		XIC...28	53.03.0166	8-Pole IC Socket		
R...724	57.11.3332	3.3 kOhm	1%, 0.25W, MF		XIC...29	53.03.0166	8-Pole IC Socket		
R...725	57.99.0250	6.8 kOhm	0.1%, 0.25W, MF		XIC...30	53.03.0166	8-Pole IC Socket		
R...726	57.99.0250	6.8 kOhm	0.1%, 0.25W, MF		XIC...301	53.03.0165	20-Pole IC Socket		
R...727	57.11.3113	11 kOhm	1%, 0.25W, MF		XIC...302	53.03.0165	20-Pole IC Socket		
R...728	57.11.3124	120 kOhm	1%, 0.25W, MF		XIC...303	53.03.0165	20-Pole IC Socket		
R...729	57.11.3753	75 kOhm	1%, 0.25W, MF		XIC...304	53.03.0165	20-Pole IC Socket		
R...730	57.11.3104	100 kOhm	1%, 0.25W, MF		XIC...305	53.03.0165	20-Pole IC Socket		
R...731	57.11.3470	47 Ohm	1%, 0.25W, MF		XIC...306	53.03.0165	20-Pole IC Socket		
R...732	57.11.3473	47 kOhm	1%, 0.25W, MF		XIC...307	53.03.0165	20-Pole IC Socket		
R...733	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...308	53.03.0166	8-Pole IC Socket		
R...734	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...309	53.03.0168	16-Pole IC Socket		
R...735	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...310	53.03.0166	8-Pole IC Socket		
R...736	57.11.3224	220 kOhm	1%, 0.25W, MF		XIC...501	53.03.0166	8-Pole IC Socket		
R...737	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...502	53.03.0168	16-Pole IC Socket		
R...738	57.11.3470	47 Ohm	1%, 0.25W, MF		XIC...503	53.03.0166	8-Pole IC Socket		
R...739	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...504	53.03.0166	8-Pole IC Socket		
R...740	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...505	53.03.0166	8-Pole IC Socket		
R...741	57.11.3470	47 Ohm	1%, 0.25W, MF		XIC...506	53.03.0165	20-Pole IC Socket		
R...742	57.11.3470	47 Ohm	1%, 0.25W, MF		XIC...507	53.03.0166	8-Pole IC Socket		
R...743	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...508	53.03.0165	20-Pole IC Socket		
R...744	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...509	53.03.0166	8-Pole IC Socket		
R...745	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...510	53.03.0168	16-Pole IC Socket		
R...746	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...511	53.03.0166	8-Pole IC Socket		
R...747	57.11.3224	220 kOhm	1%, 0.25W, MF		XIC...512	53.03.0168	16-Pole IC Socket		
R...748	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...513	53.03.0166	8-Pole IC Socket		
R...749	57.11.3470	47 Ohm	1%, 0.25W, MF		XIC...514	53.03.0166	8-Pole IC Socket		
R...750	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...515	53.03.0166	8-Pole IC Socket		
R...751	57.11.3682	6.8 kOhm	1%, 0.25W, MF		XIC...516	53.03.0166	8-Pole IC Socket		
R...752	57.11.3470	47 Ohm	1%, 0.25W, MF		XIC...517	53.03.0166	8-Pole IC Socket		
R...753	57.11.3470	47 Ohm	1%, 0.25W, MF		XIC...518	53.03.0168	16-Pole IC Socket		
R...754	57.11.3103	10 kOhm	1%, 0.25W, MF		XIC...519	53.03.0166	8-Pole IC Socket		
T...1	1.022.451.00	1:0.62	Line Input Trafo, w. Isol.	1.022.400.03 St	XIC...520	53.03.0166	8-Pole IC Socket		
T...2	1.827.716.00		Erase Trafo	St	XIC...521	53.03.0165	20-Pole IC Socket		
T...3	1.022.272.00		Bias Trafo	St	XIC...522	53.03.0166	8-Pole IC Socket		
T...4	1.022.402.00	1:10	Sync Trafo, with Isolation	1.022.400.03 St	XIC...523	53.03.0165	20-Pole IC Socket		
T...501	1.022.451.00	1:0.62	Line Input Trafo, w. Isol.	1.022.400.03 St	XIC...524	53.03.0166	8-Pole IC Socket		
T...502	1.827.716.00		Erase Trafo	St	XIC...525	53.03.0168	16-Pole IC Socket		
T...503	1.022.272.00		Bias Trafo	St	XIC...526	53.03.0168	16-Pole IC Socket		
T...504	1.022.402.00	1:10	Sync Trafo, with Isolation	1.022.400.03 St	XIC...527	53.03.0166	8-Pole IC Socket		
TP...1	54.02.0320		Plug 2.8*0.8		XIC...528	53.03.0166	8-Pole IC Socket		
TP...2	54.02.0320		Plug 2.8*0.8	AMP	XIC...529	53.03.0166	8-Pole IC Socket		
TP...3	54.02.0320		Plug 2.8*0.8	AMP	XIC...530	53.03.0166	8-Pole IC Socket		
TP...4	54.02.0320		Plug 2.8*0.8	AMP					



AUDIO ELECTRONICS BOARD 1.827.710.00

Ad . . . POS. . . . REF.No. . . . DESCRIPTION MANUFACTURER

Cer = Ceramic EL = Electrolytic PETP = Polyester
PP = Polypropylen MF = Metal Film SI = Silicon

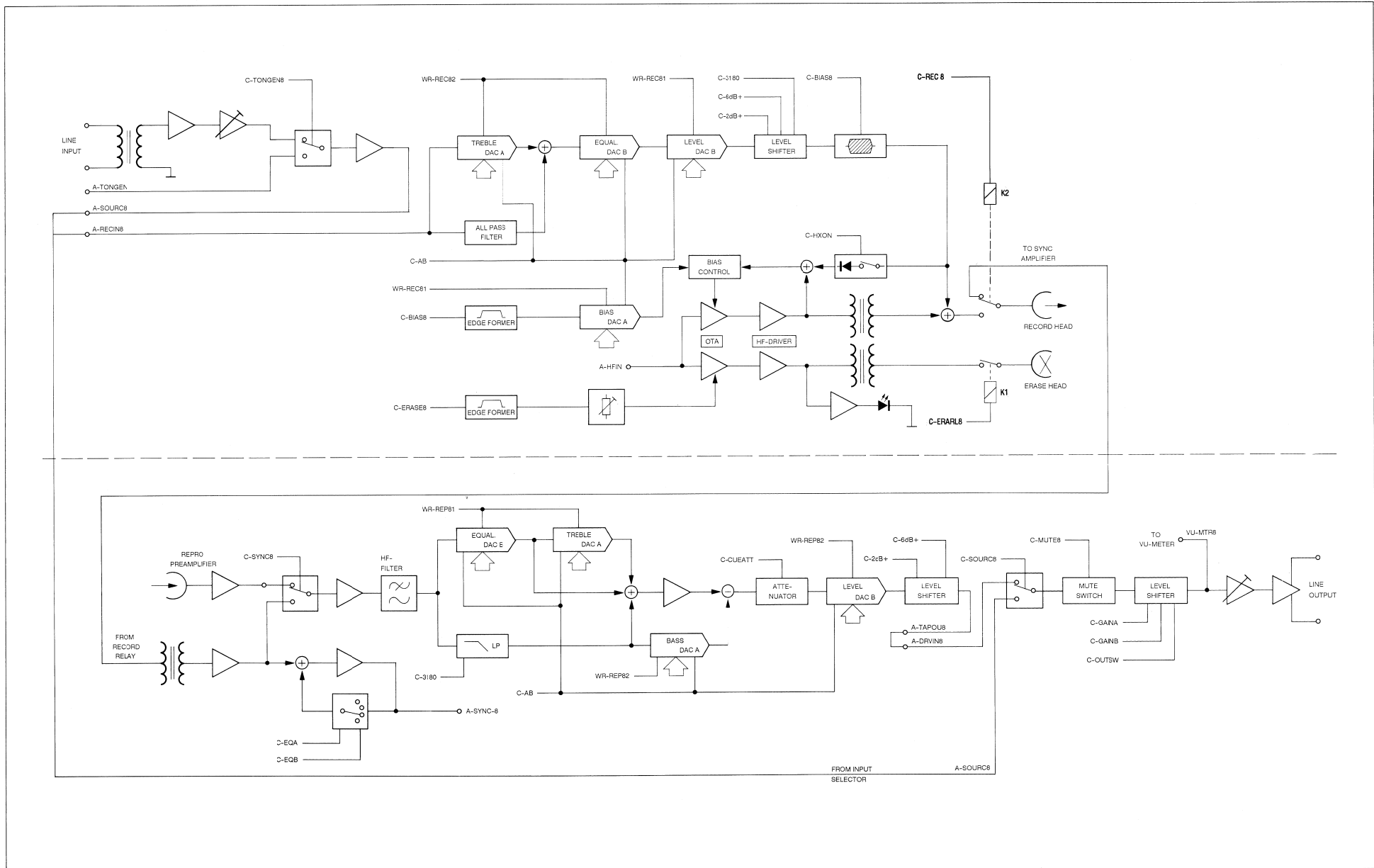
MANUFACTURER: ADI = Analog Devices Inc. Mot = Motorola
NS = National Semiconductor Ph = Philips
Ra = Raytheon Sig = Signetics
Sia = Siemens St = Studer
TI = Texas Instruments

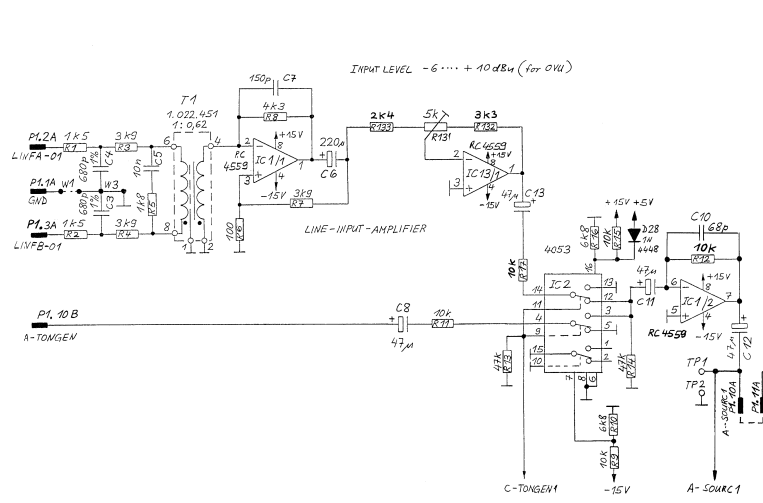
1.827.710.00 AUDIO ELECTRONICS BOARD 2-CH GP 90/01/2300

1.827.710.00 AUDIO ELECTRONICS BOARD 2-CH GP 90/04/1101

1.827.710.00 AUDIO ELECTRONICS BOARD 2-CH GP 90/09/1702

BLOCK DIAGRAM
AUDIO ELECTRONICS BOARD 1.827.710.81 (AND UP)

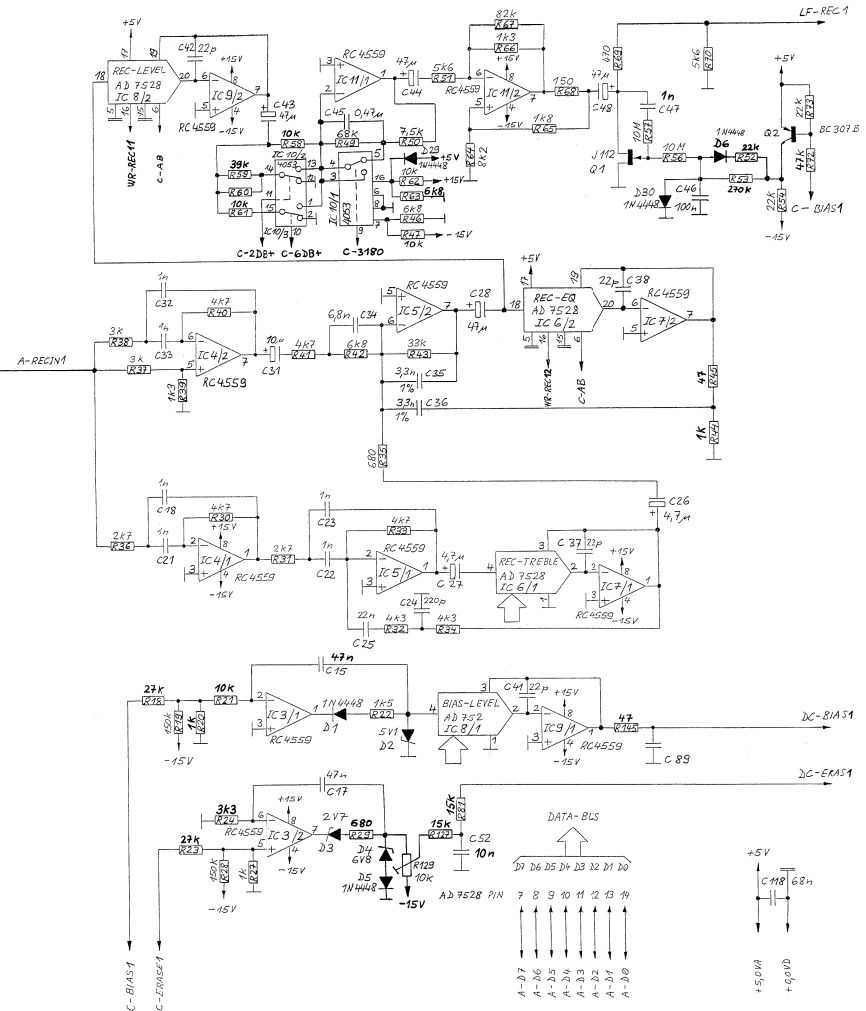




TESTPOINTS AND JUMPERS FOR ODD CHANNEL (CH1)

TP1: SIGNAL FROM INPUT AMPLIFIER
TP2: GROUND ANALOG

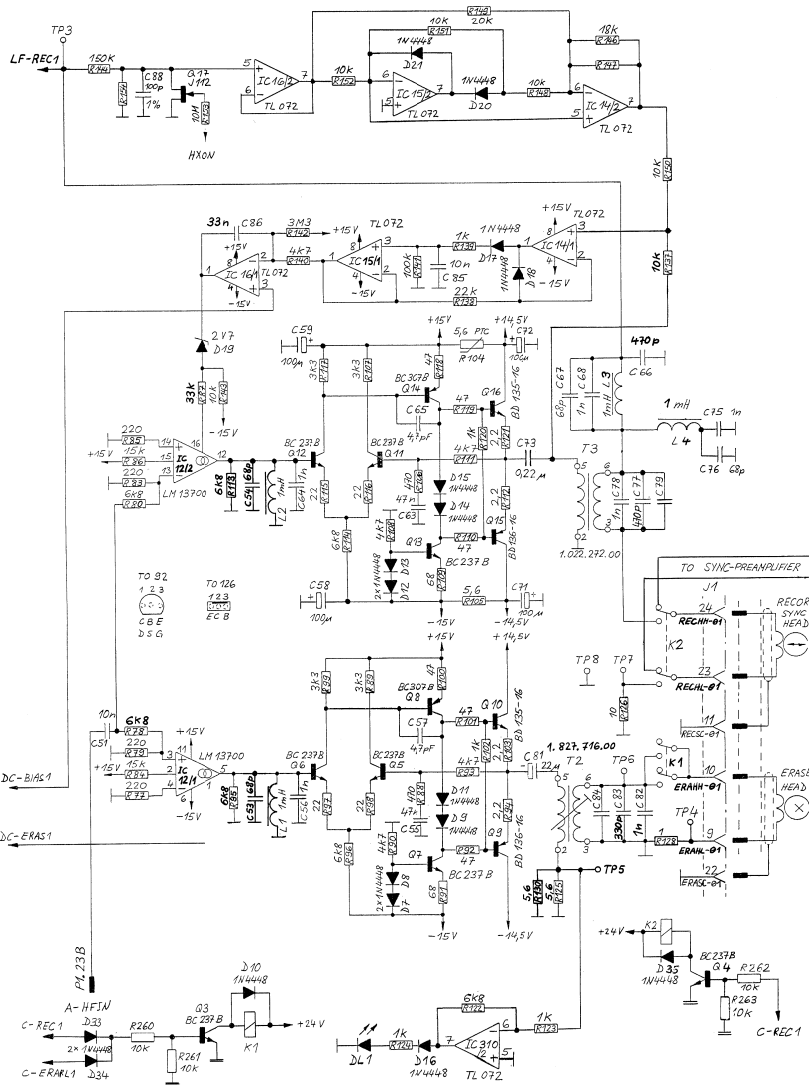
0	1	2	...	PAGE 2 OF 13
STUDER	A 827 GR1 CH1	SC	1.827.710.81	



0	1	2	...	PAGE 3 OF 13
STUDER	A 827 GR1 CH1	SC	1.827.710.81	



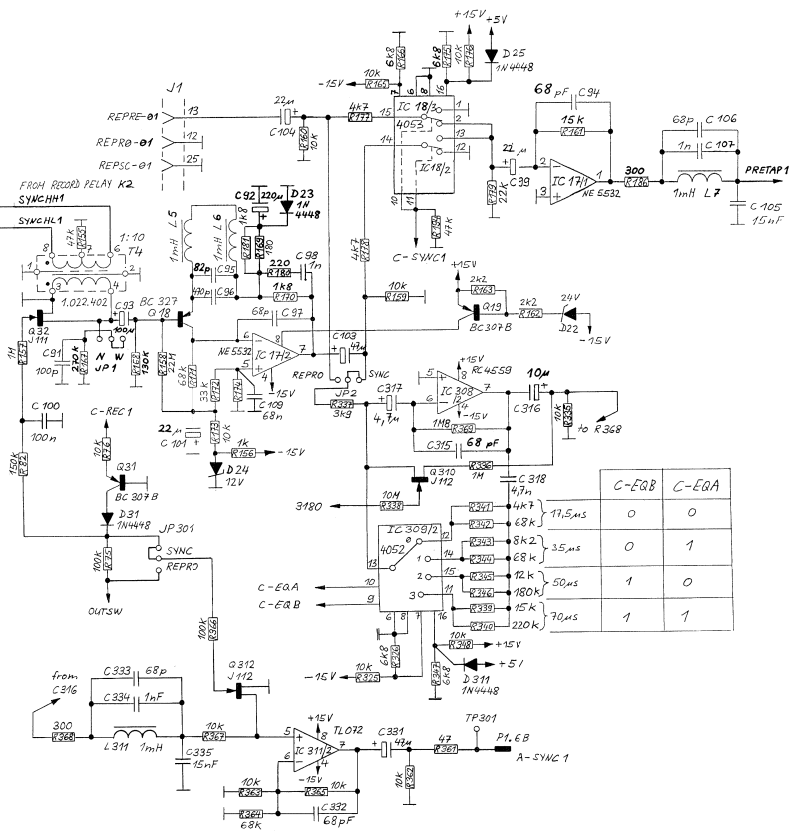
AUDIO ELECTRONICS BOARD 1.827.710.81



TESTPOINTS AND JUMPERS FOR ODD CHANNEL (CH1)

- TP503: SIGNAL FROM RECORD AMPLIFIER
- TP504: ERASE CURRENT
- TP505: ERASE AMPLIFIER OUTPUT CURRENT
- TP506: ERASE VOLTAGE
- TP507: RECORD CURRENT
- TP508: GROUND
- TP301: SYNC OUTPUT SIGNAL
- JP1: SYNC FREQUENCY RESPONSE
- POS. W: WIDE
- POS. N: NARROW

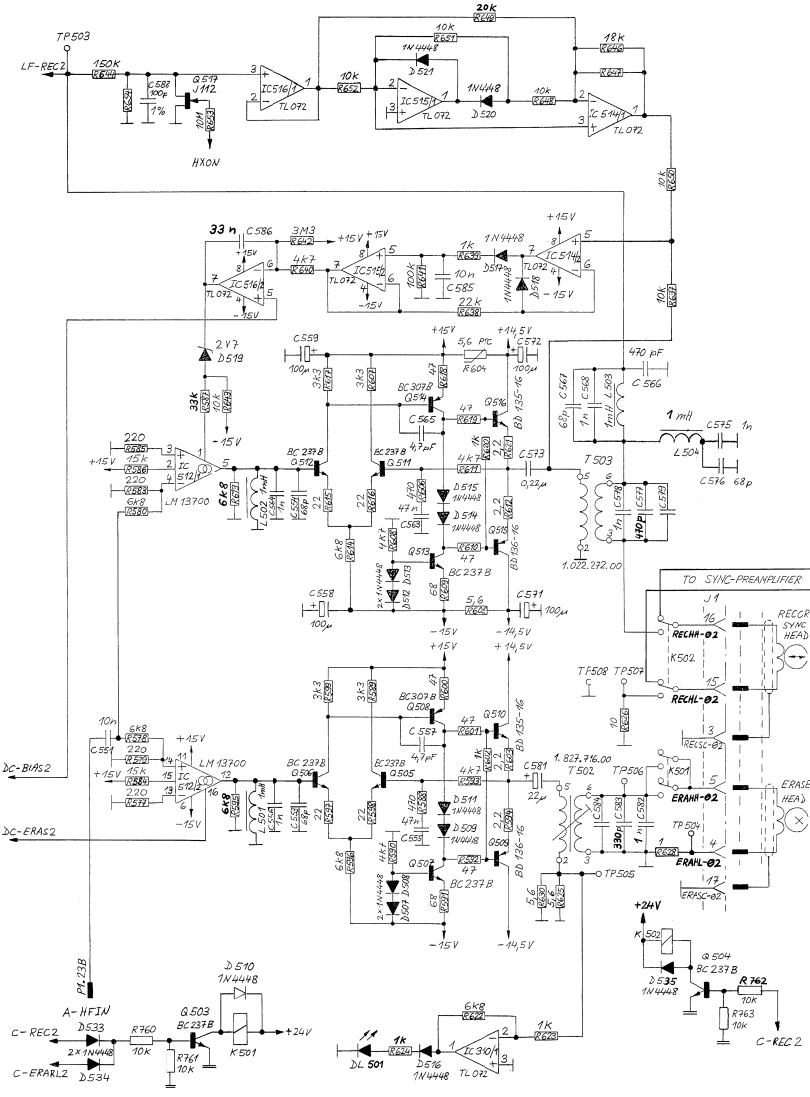
- JP2 AND JP301:
- POS. SYNC: SYNC SIGNAL ON SYNC OUTPUT
- POS. REPRO: REPRO SIGNAL ON SYNC OUTPUT



	C-ERB	C-EA
11.5µs	0	0
3.5µs	0	1
50µs	1	0
70µs	1	1



AUDIO ELECTRONICS BOARD 1.827.710.81



TESTPOINTS AND JUMPERS FOR EVEN CHANNEL (CH2)

- TP503: SIGNAL FROM RECORD AMPLIFIER
- TP504: ERASE CURRENT
- TP505: ERASE AMPLIFIER OUTPUT CURRENT
- TP506: ERASE VOLTAGE
- TP507: RECORD CURRENT
- TP508: GROUND

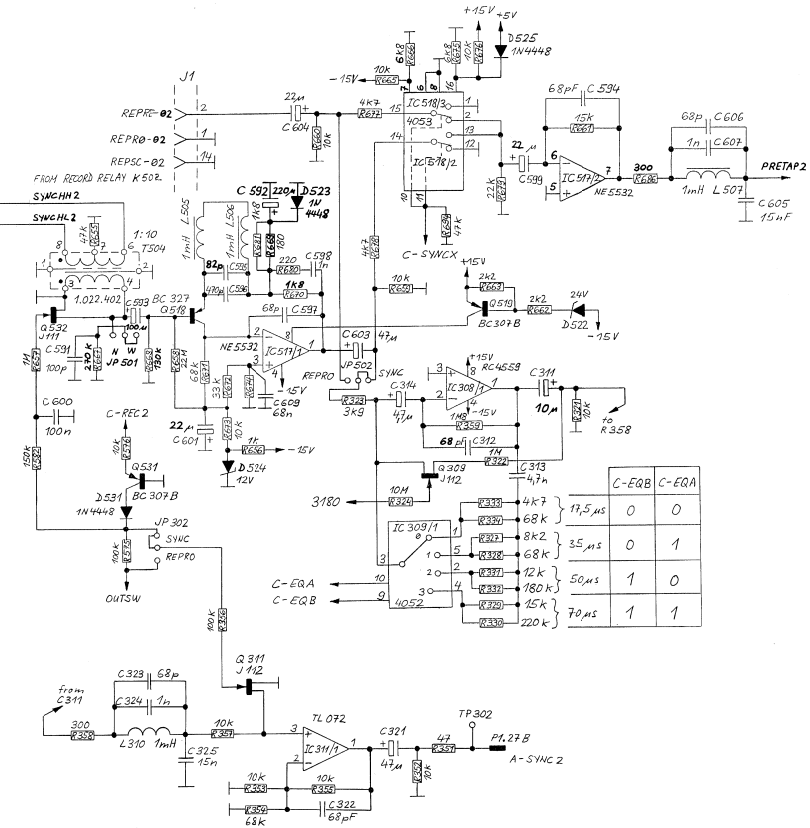
JP502 AND JP302

POS. SYNC: SYNC SIGNAL ON SYNC OUTPUT

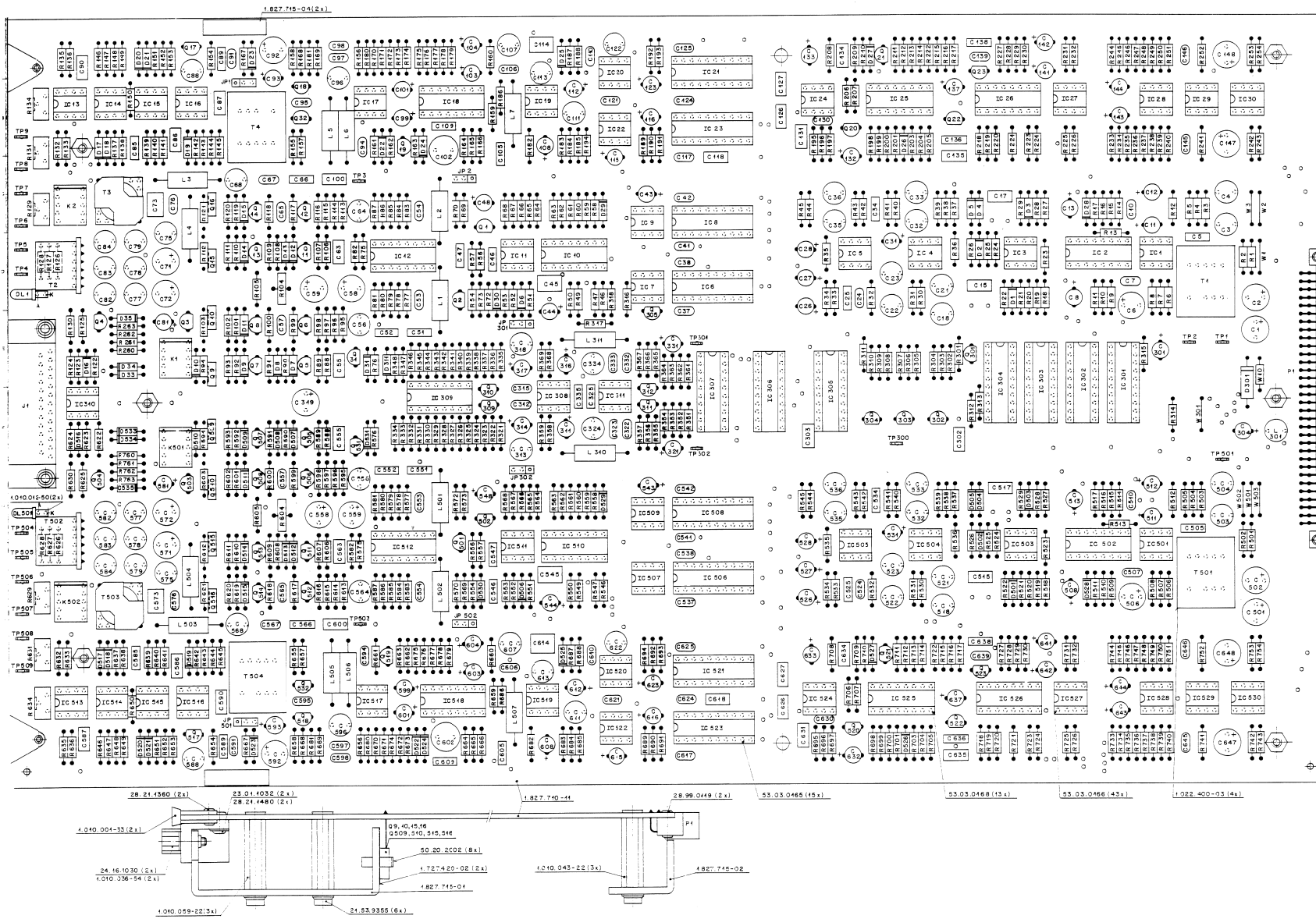
POS. REPRO: REPRO SIGNAL ON SYNC OUTPUT

TP302: SYNC OUTPUT SIGNAL

JP501: SIGNAL FROM RECORD AMPLIFIER



	C-EQB	C-EQA
1,5 μs	0	0
3,5 μs	0	1
50 μs	1	0
70 μs	1	1



STUDER A827 MCH



AUDIO ELECTRONICS BOARD 1.827.710.81

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C...	1	59.22.5101	100 uF	-20% 25V EL	C...	113	59.05.1331	330 pF	1% 50V PP	C...	551	59.06.0103	10 nF	10% 50V PETF	B...	111	50.04.0125	1M4448	50V SI
C...	2	59.22.5101	100 uF	-20% 50V EL	C...	114	59.06.5474	470 nF	5% 50V PETF	C...	552	59.05.0103	10 nF	10% 50V PETF	B...	112	50.04.0125	1M4448	50V SI
C...	3	59.05.1681	680 pF	1% 50V PP	C...	115	59.22.6100	10 uF	-20% 35V EL	C...	553	59.34.4680	68 pF	10% 50V Cer	B...	113	50.04.0125	1M4448	50V SI
C...	4	59.05.1681	680 pF	1% 50V PP	C...	116	59.22.3470	47 uF	-20% 10V EL	C...	554	59.34.4680	68 pF	10% 50V Cer	B...	114	50.04.0125	1M4448	50V SI
C...	5	59.05.0103	10 nF	10% 50V PETF	C...	117	59.34.2220	22 pF	10% 50V Cer	C...	555	59.05.0473	47 nF	10% 50V PETF	B...	115	50.04.0125	1M4448	50V SI
C...	6	59.22.2221	220 uF	-20% 6.3V EL	C...	118	59.06.0683	68 nF	10% 50V Cer	C...	556	59.05.1102	1 nF	1% 50V PP	B...	116	50.04.0125	1M4448	50V SI
C...	7	59.34.4151	150 pF	10% 50V Cer	C...	121	59.34.2220	22 pF	10% 50V Cer	C...	557	59.34.0479	4.7 pF	10% 50V Cer	B...	117	50.04.0125	1M4448	50V SI
C...	8	59.22.3470	47 uF	-20% 10V EL	C...	122	59.05.2332	3.3 nF	2.5% 50V PP	C...	558	59.22.5101	100 uF	-20% 25V EL	B...	118	50.04.0125	1M4448	50V SI
C...	10	59.34.4680	68 pF	10% 50V Cer	C...	123	59.22.6100	10 uF	-20% 35V EL	C...	559	59.22.5101	100 uF	-20% 25V EL	B...	119	50.04.1106	2.7 V	5% 0.4M Zener
C...	111	59.22.3470	47 uF	-20% 10V EL	C...	124	59.34.2220	22 pF	10% 50V Cer	C...	564	59.05.1102	1 nF	1% 50V PP	B...	120	50.04.0125	1M4448	50V SI
C...	112	59.22.3470	47 uF	-20% 10V EL	C...	125	59.34.2220	22 pF	10% 50V Cer	C...	565	59.34.0479	4.7 pF	10% 50V Cer	D...	221	50.04.0125	1M4448	50V SI
C...	113	59.22.3470	47 uF	-20% 10V EL	C...	126	59.34.2220	22 pF	10% 50V Cer	C...	566	59.34.5471	470 pF	5% 50V Cer	D...	222	50.04.0125	1M4448	50V SI
C...	114	00.00.0000	not used		C...	127	59.06.0683	68 nF	10% 50V PETF	C...	567	59.34.4680	68 pF	10% 50V Cer	D...	223	50.04.1117	12 V	5% 0.4M Zener
C...	115	59.06.5473	47 nF	5% 50V PETF	C...	130	59.34.4680	68 pF	10% 50V Cer	C...	568	59.05.2102	1 nF	2.5% 50V PP	D...	225	50.04.0125	1M4448	50V SI
C...	116	00.00.0000	not used		C...	131	00.00.0000	not used		C...	571	59.22.5101	100 uF	-20% 25V EL	D...	226	50.04.0125	1M4448	50V SI
C...	117	59.06.5473	47 nF	5% 50V Cer	C...	132	59.22.3470	47 uF	-20% 10V EL	C...	572	59.22.5101	100 uF	-20% 25V EL	D...	227	50.04.0125	1M4448	50V SI
C...	118	59.06.2102	1 nF	2.5% 50V PP	C...	133	59.22.3470	47 uF	-20% 10V EL	C...	573	59.06.0224	220 nF	10% 50V PETF	D...	228	50.04.0125	1M4448	50V SI
C...	21	59.05.2102	1 nF	2.5% 50V PP	C...	134	59.06.0104	100 nF	10% 50V PETF	C...	575	59.05.1102	1 nF	1% 50V PP	D...	229	50.04.0125	1M4448	50V SI
C...	22	59.06.2102	1 nF	2.5% 50V PP	C...	135	59.06.0104	100 nF	10% 50V PETF	C...	576	59.32.1680	68 pF	10% 400V Cer	D...	230	50.04.0125	1M4448	50V SI
C...	23	59.05.2102	1 nF	2.5% 50V PP	C...	136	59.06.0102	1 nF	10% 50V PETF	C...	577	59.05.1471	470 pF	1% 630V PP	D...	231	50.04.0125	1M4448	50V SI
C...	24	59.34.4221	220 uF	5% 50V Cer	C...	137	59.22.3470	47 uF	-20% 10V EL	C...	578	59.05.1102	1 nF	1% 630V PP	D...	232	50.04.0125	1M4448	50V SI
C...	25	59.06.0223	22 nF	10% 50V PETF	C...	138	59.06.0223	22 nF	10% 50V PETF	C...	579	00.00.0000	not used		D...	235	50.04.0125	1M4448	50V SI
C...	26	59.22.8479	4.7 uF	-20% 35V EL	C...	139	59.34.4680	68 pF	10% 50V Cer	C...	581	59.22.6220	22 uF	-20% 35V ELTP	D...	301	50.04.0512	1M5818	50V SI
C...	27	59.22.8479	4.7 uF	-20% 35V EL	C...	141	59.22.6220	22 uF	-20% 35V EL	C...	582	59.05.2102	1 nF	2.5% 630V PP	D...	311	50.04.0125	1M4448	50V SI
C...	28	59.22.3470	47 uF	-20% 10V EL	C...	142	59.22.6220	22 uF	-20% 35V EL	C...	583	59.05.2331	330 pF	2.5% 630V PP	D...	501	50.04.0125	1M4448	50V SI
C...	31	59.22.6100	10 uF	-20% 35V EL	C...	143	59.22.3101	100 uF	-20% 10V EL	C...	584	00.00.0000	not used		D...	501	50.04.0125	1M4448	50V SI
C...	32	59.05.2102	1 nF	2.5% 50V PP	C...	144	59.22.3101	100 uF	-20% 10V EL	C...	585	59.05.0103	10 nF	10% 50V PETF	D...	501	50.04.0125	1M4448	50V SI
C...	33	59.05.2102	1 nF	2.5% 50V PP	C...	145	59.34.4101	100 pF	10% 50V Cer	C...	586	59.06.0333	33 nF	10% 50V PETF	D...	501	50.04.1102	6.8 V	5% 0.4M Zener
C...	34	59.05.5686	6.8 nF	5% 50V PETF	C...	146	59.34.4101	100 pF	10% 50V Cer	C...	587	59.06.0683	68 nF	10% 50V PETF	D...	501	50.04.1102	6.8 V	5% 0.4M Zener
C...	35	59.05.1332	3.3 nF	1% 50V PP	C...	147	59.22.2221	220 uF	-20% 6.3V EL	C...	588	59.05.1101	100 pF	1% 50V PP	D...	501	50.04.0125	1M4448	50V SI
C...	36	59.05.1332	3.3 nF	1% 50V PP	C...	148	59.22.2221	220 uF	-20% 6.3V EL	C...	589	00.00.0000	not used		D...	506	50.04.0125	1M4448	50V SI
C...	37	59.34.2220	22 pF	10% 50V Cer	C...	301	59.22.5220	22 uF	-20% 25V EL	C...	590	59.06.0683	68 nF	10% 50V PETF	D...	507	50.04.0125	1M4448	50V SI
C...	38	59.34.2220	22 pF	10% 50V Cer	C...	302	59.06.0683	68 nF	10% 50V PETF	C...	593	59.22.3101	100 uF	-20% 10V EL	D...	508	50.04.0125	1M4448	50V SI
C...	41	59.22.6100	10 uF	-20% 35V EL	C...	303	59.06.0683	68 nF	10% 50V PETF	C...	594	59.34.4680	68 pF	10% 50V Cer	D...	509	50.04.0125	1M4448	50V SI
C...	42	59.22.6100	10 uF	-20% 35V EL	C...	304	59.22.3101	100 uF	-20% 10V EL	C...	595	59.34.4101	100 pF	10% 50V Cer	D...	510	50.04.0125	1M4448	50V SI
C...	43	59.22.3470	47 uF	-20% 10V EL	C...	311	59.22.6100	10 uF	-20% 35V EL	C...	596	59.25.1479	4.7 nF	20% 10V EL, SAL	D...	511	50.04.0125	1M4448	50V SI
C...	44	59.22.3470	47 uF	-20% 10V EL	C...	312	59.34.4680	68 pF	10% 50V Cer	C...	597	59.34.4820	82 pF	10% 50V Cer	D...	512	50.04.0125	1M4448	50V SI
C...	45	59.06.5474	47 nF	5% 50V PETF	C...	313	59.05.1472	4.7 nF	1% 50V PP	C...	598	59.06.0102	1 nF	10% 50V PETF	D...	513	50.04.0125	1M4448	50V SI
C...	46	59.06.0104	100 nF	10% 50V PETF	C...	314	59.25.1479	4.7 nF	20% 10V EL, SAL	C...	599	59.22.5220	22 uF	-20% 25V EL	D...	515	50.04.0125	1M4448	50V SI
C...	47	59.06.0102	1 nF	10% 50V PETF	C...	315	59.34.4680	68 pF	10% 50V Cer	C...	600	59.06.0104	100 nF	10% 50V PETF	D...	516	50.04.0125	1M4448	50V SI
C...	48	59.22.3470	47 uF	-20% 10V EL	C...	316	59.22.6100	10 uF	-20% 35V EL	C...	601	59.22.6220	22 uF	-20% 25V EL	D...	517	50.04.0125	1M4448	50V SI
C...	51	59.06.0103	10 nF	10% 50V PETF	C...	317	59.25.1479	4.7 nF	20% 10V EL, SAL	C...	602	59.05.1223	22 nF	1% 50V PP	D...	518	50.04.0125	1M4448	50V SI
C...	52	59.06.0103	10 nF	10% 50V PETF	C...	318	59.05.1472	4.7 nF	1% 50V PP	C...	603	59.26.0470	47 uF	-20% 6.3V EL, SAL	D...	519	50.04.1106	2.7 V	5% 0.4M Zener
C...	53	59.34.4680	68 pF	5% 50V Cer	C...	319	59.22.6470	47 uF	-20% 35V EL	C...	604	59.26.1220	22 uF	-20% 25V EL, SAL	D...	520	50.04.0125	1M4448	50V SI
C...	54	59.34.4680	68 pF	5% 50V Cer	C...	321	59.22.3470	47 uF	-20% 10V EL	C...	605	59.06.0153	15 nF	10% 50V PETF	D...	521	50.04.0125	1M4448	50V SI
C...	55	59.06.0473	47 nF	10% 50V PETF	C...	322	59.34.4680	68 pF	10% 50V Cer	C...	606	59.34.4680	68 pF	10% 50V Cer	D...	522	50.04.1121	24 V	5% 0.4M Zener
C...	56	59.05.1102	1 nF	1% 50V PP	C...	323	59.34.4680	68 pF	10% 50V Cer	C...	607	59.05.2102	1 nF	2.5% 50V PP	D...	523	50.04.0125	1M4448	50V SI
C...	57	59.34.0479	4.7 pF	10% 50V Cer	C...	324	59.34.4680	68 pF	10% 50V Cer	C...	608	59.26.2100	10 uF	20% 10V EL, SAL	D...	524	50.04.1117	12 V	5% 0.4M Zener
C...	58	59.22.3470	47 uF	-20% 10V EL	C...	325	59.05.0153	15 nF	10% 50V PETF	C...	609	59.06.0683	68 nF	10% 50V PETF	D...	525	50.04.0125	1M4448	50V SI
C...	59	59.22.5101	100 uF	-20% 25V EL	C...	331	59.22.3470	47 uF	-20% 10V EL	C...	610	59.34.4680	68 pF	10% 50V Cer	D...	526	50.04.0125	1M4448	50V SI
C...	63	59.06.0473	47 nF	10% 50V PETF	C...	332	59.34.4680	68 pF	10% 50V Cer	C...	611	59.05.2103	10 nF	2.5% 50V PP	D...	527	50.04.0125	1M4448	50V SI
C...	64	59.05.1102	1 nF	1% 50V PP	C...	333	59.34.4680	68 pF	10% 50V Cer	C...	612	59.22.5100	10 uF	-20% 35V EL	D...	528	50.04.0125	1M4448	50V SI
C...	65	59.34.0479	4.7 pF	10% 50V Cer	C...	334	59.05.2102	1 nF	2.5% 50V PP	C...	613	59.05.1331	330 pF	1% 50V PP	D...	529	50.04.0125	1M4448	50V SI
C...	66	59.34.5471	470 pF	5% 50V Cer	C...	335	59.05.0153	15 nF	10% 50V PETF	C...									



AUDIO ELECTRONICS BOARD 1.827.710.81

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER			
IC..301	50.17.1574	74HC574	Octal D-Type Flip Flop		P.....1	54.11.2004	1	pc	Eurocard Connector 64P		R...33	57.11.3472	4.7 kOhm	1%	0.25W	MF	R...129	58.01.9103	10 kOhm	10%	0.5 W	PMG
IC..302	50.17.1574	74HC574	Octal D-Type Flip Flop		Q.....1	50.03.0350	J112		JFET	Not	R...34	57.11.3432	4.3 kOhm	1%	0.25W	MF	R...130	57.11.3569	5.6 Ohm	1%	0.25W	MF
IC..303	50.17.1574	74HC574	Octal D-Type Flip Flop		Q.....2	50.03.0515	BC307B	BC557B, BC560B	PNP		R...35	57.11.3681	680 Ohm	1%	0.25W	MF	R...131	58.01.9502	5 kOhm	10%	0.5 W	PMG
IC..304	50.17.1574	74HC574	Octal D-Type Flip Flop		Q.....3	50.03.0436	BC237B	BC547B, BC550B	NPN		R...36	57.11.3202	2.2 kOhm	1%	0.25W	MF	R...132	57.11.3332	3.3 kOhm	1%	0.25W	MF
IC..305	50.17.1574	74HC574	Octal D-Type Flip Flop		Q.....4	50.03.0436	BC237B	BC547B, BC550B	NPN		R...37	57.11.3202	2.2 kOhm	1%	0.25W	MF	R...133	57.11.3242	2.4 kOhm	1%	0.25W	MF
IC..306	50.17.1574	74HC574	Octal D-Type Flip Flop		Q.....5	50.03.0436	BC237B	BC547B, BC550B	NPN		R...38	57.11.3202	2.2 kOhm	1%	0.25W	MF	R...134	58.01.9502	5 kOhm	10%	0.5 W	PMG
IC..307	50.17.1574	74HC574	Octal D-Type Flip Flop		Q.....6	50.03.0436	BC237B	BC547B, BC550B	NPN		R...39	57.11.3132	1.3 kOhm	1%	0.25W	MF	R...135	57.11.3392	3.9 kOhm	1%	0.25W	MF
IC..308	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....7	50.03.0436	BC237B	BC547B, BC550B	NPN		R...40	57.11.3472	4.7 kOhm	1%	0.25W	MF	R...136	57.11.3222	2.2 kOhm	1%	0.25W	MF
IC..309	50.07.0024	MC 14052	CMOS Analog Switch	TI,Not	Q.....8	50.03.0515	BC307B	BC557B, BC560B	PNP		R...41	57.11.3472	4.7 kOhm	1%	0.25W	MF	R...137	57.11.3103	10 kOhm	1%	0.25W	MF
IC..310	50.09.0101	TL 072	Dual Op. Amp.	TI,Not	Q.....9	50.03.0510	BD136-16		PNP		R...42	57.11.3682	6.8 kOhm	1%	0.25W	MF	R...138	57.11.3223	2.2 kOhm	1%	0.25W	MF
IC..311	50.09.0101	TL 072	Dual Op. Amp.	TI,Not	Q.....10	50.03.0495	BD136-16		PNP		R...43	57.11.3333	33 kOhm	1%	0.25W	MF	R...139	57.11.3102	1 kOhm	1%	0.25W	MF
IC..501	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....11	50.03.0436	BC237B	BC547B, BC550B	NPN		R...44	57.11.3102	1 kOhm	1%	0.25W	MF	R...140	57.11.3472	4.7 kOhm	1%	0.25W	MF
IC..502	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q.....12	50.03.0436	BC237B	BC547B, BC550B	NPN		R...45	57.11.3682	6.8 kOhm	1%	0.25W	MF	R...141	57.11.3104	100 kOhm	1%	0.25W	MF
IC..503	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....13	50.03.0436	BC237B	BC547B, BC550B	NPN		R...46	57.11.3103	10 kOhm	1%	0.25W	MF	R...142	57.11.5335	3.3 kOhm	1%	0.25W	MF
IC..504	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....14	50.03.0515	BC307B	BC557B, BC560B	PNP		R...47	57.11.3104	100 kOhm	1%	0.25W	MF	R...143	57.11.3103	10 kOhm	1%	0.25W	MF
IC..505	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....15	50.03.0515	BC307B	BC557B, BC560B	PNP		R...48	57.11.3104	100 kOhm	1%	0.25W	MF	R...144	57.11.3154	150 kOhm	1%	0.25W	MF
IC..506	50.07.0037	AD 7528JN	Dual 8-bit D/A Converter	ADI	Q.....16	50.03.0495	BD136-16		PNP		R...49	57.11.3683	68 kOhm	1%	0.25W	MF	R...145	57.11.3470	47 Ohm	1%	0.25W	MF
IC..507	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....17	50.03.0350	J112		JFET	Not	R...50	57.11.3752	7.5 kOhm	1%	0.25W	MF	R...146	57.11.3183	18 kOhm	1%	0.25W	MF
IC..508	50.07.0037	AD 7528JN	Dual 8-bit D/A Converter	ADI	Q.....18	50.03.0625	BC327		PNP		R...51	57.11.3562	5.6 kOhm	1%	0.25W	MF	R...147	00.00.0000				not used
IC..509	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....19	50.03.0515	BC307B	BC557B, BC560B	PNP		R...52	57.11.3223	22 kOhm	1%	0.25W	MF	R...148	57.11.3103	10 kOhm	1%	0.25W	MF
IC..510	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q.....20	50.03.0515	BC307B	BC557B, BC560B	PNP		R...53	57.11.3274	270 kOhm	1%	0.25W	MF	R...149	57.11.3203	20 kOhm	1%	0.25W	MF
IC..511	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....21	50.03.0350	J112		JFET	Not	R...54	57.11.3274	270 kOhm	1%	0.25W	MF	R...150	57.11.3103	10 kOhm	1%	0.25W	MF
IC..512	50.09.0112	LM 13700	Dual OTA	NS	Q.....22	50.03.0350	J112		JFET	Not	R...55	57.11.3682	6.8 kOhm	1%	0.25W	MF	R...151	57.11.3103	10 kOhm	1%	0.25W	MF
IC..513	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....23	50.03.0350	J112		JFET	Not	R...56	57.11.5106	10 kOhm	5%	0.25W	MF	R...152	57.11.3103	10 kOhm	1%	0.25W	MF
IC..514	50.09.0101	TL 072	Dual Op. Amp.	TI,Not	Q.....24	50.03.0350	J112		JFET	Not	R...57	57.11.5106	10 kOhm	5%	0.25W	MF	R...153	57.11.5106	10 kOhm	5%	0.25W	MF
IC..515	50.09.0101	TL 072	Dual Op. Amp.	TI,Not	Q.....25	50.03.0515	BC307B	BC557B, BC560B	PNP		R...58	57.11.3103	10 kOhm	1%	0.25W	MF	R...154	00.00.0000				not used
IC..516	50.09.0101	TL 072	Dual Op. Amp.	TI,Not	Q.....26	50.03.0515	BC307B	BC557B, BC560B	PNP		R...59	57.11.3393	39 kOhm	1%	0.25W	MF	R...155	57.11.3473	47 kOhm	1%	0.25W	MF
IC..517	50.09.0105	NE 5532	Dual Op. Amp.	Sig	Q.....27	50.03.0216	J111		JFET	Not	R...60	00.00.0000				R...156	57.11.3102	1 kOhm	1%	0.25W	MF	
IC..518	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q.....28	50.03.0515	BC307B	BC557B, BC560B	PNP		R...61	57.11.3103	10 kOhm	1%	0.25W	MF	R...157	57.11.1517	15 kOhm	1%	0.25W	MF
IC..519	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....29	50.03.0515	BC307B	BC557B, BC560B	PNP		R...62	57.11.3103	10 kOhm	1%	0.25W	MF	R...158	57.11.6226	22 kOhm	10%	0.25W	MF
IC..520	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....30	50.03.0436	BC237B	BC547B, BC550B	NPN		R...63	57.11.3682	6.8 kOhm	1%	0.25W	MF	R...159	57.11.3103	10 kOhm	1%	0.25W	MF
IC..521	50.07.0037	AD 7528JN	Dual 8-bit D/A Converter	ADI	Q.....31	50.03.0515	BC307B	BC557B, BC560B	PNP		R...64	57.11.3103	10 kOhm	1%	0.25W	MF	R...160	57.11.3103	10 kOhm	1%	0.25W	MF
IC..522	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....32	50.03.0515	BC307B	BC557B, BC560B	PNP		R...65	57.11.3182	8.2 kOhm	1%	0.25W	MF	R...161	57.11.3153	15 kOhm	1%	0.25W	MF
IC..523	50.07.0037	AD 7528JN	Dual 8-bit D/A Converter	ADI	Q.....33	50.03.0515	BC307B	BC557B, BC560B	PNP		R...66	57.11.3182	1.3 kOhm	1%	0.25W	MF	R...162	57.11.3103	10 kOhm	1%	0.25W	MF
IC..524	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....34	50.03.0515	BC307B	BC557B, BC560B	PNP		R...67	57.11.3332	1.3 kOhm	1%	0.25W	MF	R...163	57.11.3222	2.2 kOhm	1%	0.25W	MF
IC..525	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q.....35	50.03.0515	BC307B	BC557B, BC560B	PNP		R...68	57.11.3823	82 kOhm	1%	0.25W	MF	R...164	57.11.3224	2.2 kOhm	1%	0.25W	MF
IC..526	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q.....36	50.03.0350	J112		JFET	Not	R...69	57.11.3151	150 Ohm	1%	0.25W	MF	R...165	57.11.3103	10 kOhm	1%	0.25W	MF
IC..527	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....37	50.03.0350	J112		JFET	Not	R...70	57.11.3471	4.7 Ohm	1%	0.25W	MF	R...166	57.11.3682	6.8 kOhm	1%	0.25W	MF
IC..528	50.09.0105	NE 5532	Dual Op. Amp.	Sig	Q.....38	50.03.0350	J112		JFET	Not	R...71	57.11.3562	5.6 kOhm	1%	0.25W	MF	R...167	57.11.3274	270 kOhm	1%	0.25W	MF
IC..529	50.09.0105	NE 5532	Dual Op. Amp.	Sig	Q.....39	50.03.0350	J112		JFET	Not	R...72	57.11.3473	4.7 kOhm	1%	0.25W	MF	R...168	57.11.3154	150 kOhm	1%	0.25W	MF
IC..530	50.09.0105	NE 5532	Dual Op. Amp.	Sig	Q.....40	50.03.0350	J112		JFET	Not	R...73	57.11.3473	4.7 kOhm	1%	0.25W	MF	R...169	57.11.3181	18 Ohm	1%	0.25W	MF
J.....1	54.13.0003		Connector I-Type 25P		Q.....41	50.03.0350	J112		JFET	Not	R...74	57.11.3472	4.7 kOhm	1%	0.25W	MF	R...170	57.11.3182	1.8 kOhm	1%	0.25W	MF
JP...1	54.01.0021		Bridge		Q.....42	50.03.0515	BC307B	BC557B, BC560B	PNP		R...75	57.11.3104	100 kOhm	1%	0.25W	MF	R...171	57.11.3683	68 kOhm	1%	0.25W	MF
JP...2	54.01.0021		Bridge		Q.....43	50.03.0436	BC237B	BC547B, BC550B	NPN		R...76	57.11.3103	10 kOhm	1%	0.25W	MF	R...172	57.11.3333	33 kOhm	1%	0.25W	MF
JP...3	54.01.0021		Bridge		Q.....44	50.03.0436	BC237B	BC547B, BC550B	NPN		Q.....45	00.00.0000				R...173	57.11.3103	10 kOhm	1%	0.25W	MF	
JP...4	54.01.0021		Bridge		Q.....46	50.03.0436	BC237B	BC547B, BC550B	NPN		R...77	57.11.3221	220 Ohm	1%	0.25W	MF	R...174	57.11.3103	10 kOhm	1%	0.25W	MF
JP...5	54.01.0021		Bridge		Q.....47	50.03.0510	BD136-16		PNP		R...78	57.11.3682	6.8 kOhm	1%	0.25W	MF	R...175	57.11.3682	6.8 kOhm	1%	0.25W	MF
JP...6	54.01.0021		Bridge		Q.....48	50.03.0495	BD136-16		PNP		R...79	57.11.3221	220 Ohm	1%	0.25W	MF	R...176	57.11.3103	10 kOhm	1%	0.25W	MF
JP...7	54.01.0021		Bridge		Q.....49	50.03.0495	BD136-16		PNP		R...80	57.11.3682	6.8 kOhm	1%	0.25W	MF	R...177	57.11.3472	4.7 kOhm			

STUDER A827 MCH



AUDIO ELECTRONICS BOARD 1.827.710.81

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER		
R..	227	57.11.3113	11 kOhm	1%, 0.25W, MF	R..	366	57.11.3104	100 kOhm	1%, 0.25W, MF	R..	592	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	690	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	228	57.11.3124	120 kOhm	1%, 0.25W, MF	R..	367	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	593	57.11.3472	4.7 kOhm	1%, 0.25W, MF	R..	691	57.11.3272	2.7 kOhm	1%, 0.25W, MF		
R..	229	57.11.3753	75 kOhm	1%, 0.25W, MF	R..	368	57.11.3301	300 Ohm	1%, 0.25W, MF	R..	594	57.11.3229	2.2 Ohm	1%, 0.25W, MF	R..	692	57.11.3222	2.2 kOhm	1%, 0.25W, MF		
R..	230	57.11.3104	100 kOhm	1%, 0.25W, MF	R..	369	57.11.5165	1.8 kOhm	5%, 0.25W, MF	R..	595	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	693	57.11.3102	2 kOhm	1%, 0.25W, MF		
R..	231	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	370	57.11.3102	10 kOhm	1%, 0.25W, MF	R..	596	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	694	57.11.3473	47 kOhm	0.25W, MF		
R..	232	57.11.3473	47 kOhm	1%, 0.25W, MF	R..	371	57.11.3102	10 kOhm	1%, 0.25W, MF	R..	597	57.11.3220	22 Ohm	1%, 0.25W, MF	R..	695	00.00.0000	not used			
R..	233	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	372	57.11.3102	10 kOhm	1%, 0.25W, MF	R..	598	57.11.3332	3.3 kOhm	1%, 0.25W, MF	R..	696	57.11.3472	4.7 kOhm	1%, 0.25W, MF		
R..	234	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	373	57.11.3102	10 kOhm	1%, 0.25W, MF	R..	599	57.11.3332	3.3 kOhm	1%, 0.25W, MF	R..	697	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	235	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	374	57.11.3102	10 kOhm	1%, 0.25W, MF	R..	600	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	698	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	236	57.11.3224	220 kOhm	1%, 0.25W, MF	R..	375	57.11.3101	10 Ohm	1%, 0.25W, MF	R..	601	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	699	57.11.3223	22 kOhm	1%, 0.25W, MF		
R..	237	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	376	57.11.3392	3.9 kOhm	1%, 0.25W, MF	R..	602	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	700	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	238	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	377	57.11.3432	4.3 kOhm	1%, 0.25W, MF	R..	603	57.11.3229	2.2 Ohm	1%, 0.25W, MF	R..	701	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	239	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	378	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	604	57.99.0209	5.6 Ohm	1%, 0.25W, PTC	R..	702	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	240	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	379	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	605	57.11.3569	5.6 Ohm	1%, 0.25W, MF	R..	703	57.11.3101	100 Ohm	1%, 0.25W, MF		
R..	241	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	380	57.11.3102	10 kOhm	1%, 0.25W, MF	R..	606	57.11.3471	470 Ohm	1%, 0.25W, MF	R..	704	57.11.3333	33 kOhm	1%, 0.25W, MF		
R..	242	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	381	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	607	57.11.3332	3.3 kOhm	1%, 0.25W, MF	R..	705	57.11.3474	470 kOhm	1%, 0.25W, MF		
R..	243	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	382	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	608	57.11.3472	4.7 kOhm	1%, 0.25W, MF	R..	706	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	244	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	383	57.11.3473	47 kOhm	1%, 0.25W, MF	R..	609	57.11.3680	68 Ohm	1%, 0.25W, MF	R..	707	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	245	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	384	57.11.3473	47 kOhm	1%, 0.25W, MF	R..	610	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	708	57.11.3472	4.7 kOhm	1%, 0.25W, MF		
R..	246	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	385	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	611	57.11.3472	4.7 kOhm	1%, 0.25W, MF	R..	709	57.11.3152	1.5 kOhm	1%, 0.25W, MF		
R..	247	57.11.3224	220 kOhm	1%, 0.25W, MF	R..	386	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	612	57.11.3229	2.2 Ohm	1%, 0.25W, MF	R..	710	57.11.3105	1 kOhm	1%, 0.25W, MF		
R..	248	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	387	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	613	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	711	57.11.3393	39 kOhm	1%, 0.25W, MF		
R..	249	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	388	57.11.3154	150 kOhm	1%, 0.25W, MF	R..	614	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	712	57.11.3472	4.7 kOhm	1%, 0.25W, MF		
R..	250	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	389	57.11.3104	100 kOhm	1%, 0.25W, MF	R..	615	57.11.3220	22 Ohm	1%, 0.25W, MF	R..	713	57.11.3472	4.7 kOhm	1%, 0.25W, MF		
R..	251	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	390	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	616	57.11.3220	22 Ohm	1%, 0.25W, MF	R..	714	57.11.3332	3.3 kOhm	1%, 0.25W, MF		
R..	252	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	391	57.11.3152	1.5 kOhm	1%, 0.25W, MF	R..	617	57.11.3222	2.2 Ohm	1%, 0.25W, MF	R..	715	57.11.3473	47 kOhm	1%, 0.25W, MF		
R..	253	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	392	57.11.3152	1.5 kOhm	1%, 0.25W, MF	R..	618	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	716	57.11.3105	1 kOhm	1%, 0.25W, MF		
R..	254	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	393	57.11.3273	27 Ohm	1%, 0.25W, MF	R..	619	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	717	57.11.3105	1 kOhm	1%, 0.25W, MF		
R..	260	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	394	57.11.3332	3.3 kOhm	1%, 0.25W, MF	R..	620	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	718	57.11.5166	1 kOhm	5%, 0.25W, MF		
R..	261	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	395	00.00.0000	not used		R..	621	57.11.3229	2.2 Ohm	1%, 0.25W, MF	R..	719	57.11.5106	10 kOhm	5%, 0.25W, MF		
R..	262	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	396	00.00.0000	not used		R..	622	57.11.3229	2.2 Ohm	1%, 0.25W, MF	R..	720	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	263	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	397	00.00.0000	not used		R..	623	57.11.3682	6.8 kOhm	1%, 0.25W, MF	R..	721	57.11.3103	10 kOhm	1%, 0.25W, MF		
R..	301	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	398	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	624	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	722	57.11.3473	47 kOhm	1%, 0.25W, MF		
R..	302	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	399	57.11.3154	150 kOhm	1%, 0.25W, MF	R..	625	57.11.3569	5.6 Ohm	1%, 0.25W, MF	R..	723	57.11.3472	4.7 kOhm	1%, 0.25W, MF		
R..	303	57.11.3223	22 kOhm	1%, 0.25W, MF	R..	400	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	626	57.11.3102	10 kOhm	1%, 0.25W, MF	R..	724	57.11.3332	3.3 kOhm	1%, 0.25W, MF		
R..	304	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	401	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	627	57.11.3105	15 Ohm	1%, 0.25W, MF	R..	725	57.99.0250	6.8 kOhm	0.1%, 0.25W, MF		
R..	305	57.11.3223	22 kOhm	1%, 0.25W, MF	R..	402	57.11.3272	2.7 kOhm	1%, 0.25W, MF	R..	628	57.11.3109	1 Ohm	1%, 0.25W, MF	R..	726	57.99.0250	6.8 kOhm	0.1%, 0.25W, MF		
R..	306	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	403	57.11.3272	2.7 kOhm	1%, 0.25W, MF	R..	629	68.01.9100	10 kOhm	10%, 0.5 W, PMS	R..	727	57.11.3104	100 kOhm	1%, 0.25W, MF		
R..	307	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	404	57.11.3432	4.3 kOhm	1%, 0.25W, MF	R..	630	57.11.3569	5.6 Ohm	1%, 0.25W, MF	R..	728	57.11.3124	120 Ohm	1%, 0.25W, MF		
R..	308	57.11.3223	22 kOhm	1%, 0.25W, MF	R..	405	57.11.3681	680 Ohm	1%, 0.25W, MF	R..	631	58.01.9502	5 kOhm	10%, 0.5 W, PMS	R..	729	57.11.3753	75 kOhm	1%, 0.25W, MF		
R..	309	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	406	57.11.3272	2.7 kOhm	1%, 0.25W, MF	R..	632	57.11.3332	3.3 kOhm	1%, 0.25W, MF	R..	730	57.11.3104	100 kOhm	1%, 0.25W, MF		
R..	310	57.11.3223	22 kOhm	1%, 0.25W, MF	R..	407	57.11.3302	3 kOhm	1%, 0.25W, MF	R..	633	57.11.3242	2.4 kOhm	1%, 0.25W, MF	R..	731	57.11.3470	47 Ohm	1%, 0.25W, MF		
R..	311	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	408	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	634	58.01.9502	5 kOhm	10%, 0.5 W, PMS	R..	732	57.11.3113	10 kOhm	1%, 0.25W, MF		
R..	312	57.11.3473	47 kOhm	1%, 0.25W, MF	R..	409	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	635	57.11.3392	3.9 kOhm	1%, 0.25W, MF	R..	733	57.11.3682	6.8 kOhm	1%, 0.25W, MF		
R..	313	57.11.3473	47 kOhm	1%, 0.25W, MF	R..	410	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	636	57.11.3222	2.2 kOhm	1%, 0.25W, MF	R..	734	57.11.3682	6.8 kOhm	1%, 0.25W, MF		
R..	314	57.11.3102	1 kOhm	1%, 0.25W, MF	R..	411	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	637	57.11.3102	10 kOhm	1%, 0.25W, MF	R..	735	57.11.3682	6.8 kOhm	1%, 0.25W, MF		
R..	315	57.11.3223	22 kOhm	1%, 0.25W, MF	R..	412	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	638	57.11.3223	22 kOhm	1%, 0.25W, MF	R..	736	57.11.3224	220 kOhm	1%, 0.25W, MF		
R..	316	57.11.3103	10 kOhm	1%, 0.25W, MF	R..	413	57.11.3470	47 Ohm	1%, 0.25W, MF	R..	639	57.11.3102	1 kOhm	1%,							



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Ad	..POS.	..REF.No.	DESCRIPTION	MANUFACTURER
TP..508	54.02.0320		Plug 2,8*0,8	AMP
TP..509	54.02.0320		Plug 2,8*0,8	AMP
W.....1	00.00.0000		not used	
W.....2	00.00.0000		not used	
W.....3	64.01.0106		Wire Bridge	
W.....10	57.11.3000		Wire Bridge	
W...301	64.01.0106		Wire Bridge	
W...501	00.00.0000		not used	
W...502	00.00.0000		not used	
W...503	64.01.0106		Wire Bridge	
XIC..1	53.03.0166	8-Pole	IC Socket	
XIC..2	53.03.0168	16-Pole	IC Socket	
XIC..3	53.03.0166	8-Pole	IC Socket	
XIC..4	53.03.0166	8-Pole	IC Socket	
XIC..5	53.03.0166	8-Pole	IC Socket	
XIC..6	53.03.0165	20-Pole	IC Socket	
XIC..7	53.03.0166	8-Pole	IC Socket	
XIC..8	53.03.0165	20-Pole	IC Socket	
XIC..9	53.03.0166	8-Pole	IC Socket	
XIC..10	53.03.0168	16-Pole	IC Socket	
XIC..11	53.03.0166	8-Pole	IC Socket	
XIC..12	53.03.0168	16-Pole	IC Socket	
XIC..13	53.03.0166	8-Pole	IC Socket	
XIC..14	53.03.0166	8-Pole	IC Socket	
XIC..15	53.03.0166	8-Pole	IC Socket	
XIC..16	53.03.0166	8-Pole	IC Socket	
XIC..17	53.03.0166	8-Pole	IC Socket	
XIC..18	53.03.0168	16-Pole	IC Socket	
XIC..19	53.03.0166	8-Pole	IC Socket	
XIC..20	53.03.0166	8-Pole	IC Socket	
XIC..21	53.03.0165	20-Pole	IC Socket	
XIC..22	53.03.0166	8-Pole	IC Socket	
XIC..23	53.03.0165	20-Pole	IC Socket	
XIC..24	53.03.0166	8-Pole	IC Socket	
XIC..25	53.03.0168	16-Pole	IC Socket	
XIC..26	53.03.0168	16-Pole	IC Socket	
XIC..27	53.03.0166	8-Pole	IC Socket	
XIC..28	53.03.0166	8-Pole	IC Socket	
XIC..29	53.03.0166	8-Pole	IC Socket	
XIC..30	53.03.0166	8-Pole	IC Socket	
XIC.301	53.03.0165	20-Pole	IC Socket	
XIC.302	53.03.0165	20-Pole	IC Socket	
XIC.303	53.03.0165	20-Pole	IC Socket	
XIC.304	53.03.0165	20-Pole	IC Socket	
XIC.305	53.03.0165	20-Pole	IC Socket	
XIC.306	53.03.0165	20-Pole	IC Socket	
XIC.307	53.03.0165	20-Pole	IC Socket	
XIC.308	53.03.0166	8-Pole	IC Socket	
XIC.309	53.03.0168	16-Pole	IC Socket	
XIC.310	53.03.0166	8-Pole	IC Socket	
XIC.311	53.03.0166	8-Pole	IC Socket	
XIC.501	53.03.0166	8-Pole	IC Socket	
XIC.502	53.03.0168	16-Pole	IC Socket	
XIC.503	53.03.0166	8-Pole	IC Socket	
XIC.504	53.03.0166	8-Pole	IC Socket	
XIC.505	53.03.0166	8-Pole	IC Socket	
XIC.506	53.03.0165	20-Pole	IC Socket	
XIC.507	53.03.0166	8-Pole	IC Socket	
XIC.508	53.03.0165	20-Pole	IC Socket	
XIC.509	53.03.0166	8-Pole	IC Socket	
XIC.510	53.03.0168	16-Pole	IC Socket	
XIC.511	53.03.0166	8-Pole	IC Socket	
XIC.512	53.03.0168	16-Pole	IC Socket	
XIC.513	53.03.0166	8-Pole	IC Socket	
XIC.514	53.03.0166	8-Pole	IC Socket	
XIC.515	53.03.0166	8-Pole	IC Socket	
XIC.516	53.03.0166	8-Pole	IC Socket	
XIC.517	53.03.0166	8-Pole	IC Socket	
XIC.518	53.03.0168	16-Pole	IC Socket	
XIC.519	53.03.0166	8-Pole	IC Socket	
XIC.520	53.03.0166	8-Pole	IC Socket	
XIC.521	53.03.0165	20-Pole	IC Socket	
XIC.522	53.03.0166	8-Pole	IC Socket	
XIC.523	53.03.0165	20-Pole	IC Socket	
XIC.524	53.03.0166	8-Pole	IC Socket	
XIC.525	53.03.0168	16-Pole	IC Socket	
XIC.526	53.03.0168	16-Pole	IC Socket	
XIC.527	53.03.0166	8-Pole	IC Socket	
XIC.528	53.03.0166	8-Pole	IC Socket	
XIC.529	53.03.0166	8-Pole	IC Socket	
XIC.530	53.03.0166	8-Pole	IC Socket	

(01) 15.11.90 Correction

Cer = Ceramic EL = Electrolytic PEP = Polyester
 PP = Polypropylen MF = Metal Film SI = Silicon

MANUFACTURER: ADI = Analog Devices Inc. Mot = Motorola
 NS = National Semiconductor Ph = Phillips
 R = Raytheon Sig = Signetics
 Si = Siemens St = Studer
 TI = Texas Instruments

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1.827.710.81 AUDIO ELECTRONICS BOARD 2-CH GP 90/11/1501



AUDIO ELECTRONICS BOARD 1.827.710.82

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C...	1	59.22.5101	100 uF	-20% 25V EL	C...	113	59.05.1331	330 pF	1% 50V PP	C...	551	59.06.0103	10 nF	10% 50V PETF	D...	111	50.04.0125	1M4448	50V SI
C...	2	59.22.5101	100 uF	-20% 25V EL	C...	114	59.06.5474	470 nF	5% 50V PETF	C...	552	59.06.0103	10 nF	10% 50V PETF	D...	112	50.04.0125	1M4448	50V SI
C...	3	59.05.1681	680 pF	1% 50V PP	C...	115	59.22.6100	10 uF	-20% 35V EL	C...	553	59.34.4680	68 pF	10% 50V Cer	D...	113	50.04.0125	1M4448	50V SI
C...	4	59.05.1681	680 pF	1% 50V PP	C...	116	59.22.3470	47 uF	-20% 10V EL	C...	554	59.34.4680	68 pF	10% 50V Cer	D...	114	50.04.0125	1M4448	50V SI
C...	5	59.06.0103	10 nF	10% 50V PETF	C...	117	59.34.2220	22 pF	10% 50V Cer	C...	555	59.06.0473	47 nF	10% 50V PETF	D...	115	50.04.0125	1M4448	50V SI
C...	6	59.22.2221	220 uF	-20% 6.3V EL	C...	118	59.06.0683	68 nF	10% 50V Cer	C...	556	59.05.1102	1 nF	1% 50V PP	D...	116	50.04.0125	1M4448	50V SI
C...	7	59.24.4151	150 pF	10% 50V Cer	C...	121	59.34.2220	22 pF	10% 50V Cer	C...	557	59.34.0479	4.7 pF	10% 50V Cer	D...	117	50.04.0125	1M4448	50V SI
C...	8	59.22.5101	100 uF	-20% 25V EL	C...	122	59.05.2332	3.3 nF	2.5% 50V PP	C...	558	59.22.5101	100 uF	-20% 25V EL	D...	118	50.04.0125	1M4448	50V SI
C...	10	59.34.4680	68 pF	10% 50V Cer	C...	123	59.22.6100	10 uF	-20% 35V EL	C...	559	59.22.5101	100 uF	-20% 25V EL	D...	119	50.04.1106	2.7 V	5% 0.4W Zener
C...	11	59.22.3470	47 uF	-20% 10V EL	C...	124	59.34.2220	22 pF	10% 50V Cer	C...	563	59.06.0473	47 nF	10% 50V PETF	D...	220	50.04.0125	1M4448	50V SI
C...	12	59.22.3470	47 uF	-20% 10V EL	C...	125	59.34.2220	22 pF	10% 50V Cer	C...	564	59.05.1102	1 nF	1% 50V PP	D...	221	50.04.1121	24 V	5% 0.4W Zener
C...	13	59.22.3470	47 uF	-20% 10V EL	C...	126	59.06.0683	68 nF	10% 50V PETF	C...	565	59.34.0479	4.7 pF	10% 50V Cer	D...	222	50.04.0125	1M4448	50V SI
C...	14	00.00.0000	not used		C...	127	59.06.0683	68 nF	10% 50V PETF	C...	566	59.34.5471	470 pF	5% 50V Cer	D...	223	50.04.0125	1M4448	50V SI
C...	15	59.06.5473	47 nF	5% 50V PETF	C...	130	59.34.4680	68 pF	10% 50V Cer	C...	567	59.34.4680	68 pF	10% 50V Cer	D...	224	50.04.1117	12 V	5% 0.4W Zener
C...	16	00.00.0000	not used		C...	131	00.00.0000	not used		C...	568	59.05.2102	1 nF	2.5% 50V PP	D...	225	50.04.0125	1M4448	50V SI
C...	17	59.06.5473	47 nF	5% 50V PETF	C...	132	59.22.3470	47 uF	-20% 10V EL	C...	571	59.22.5101	100 uF	-20% 25V EL	D...	226	50.04.0125	1M4448	50V SI
C...	18	59.05.2102	1 nF	2.5% 50V PP	C...	133	59.22.3470	47 uF	-20% 10V EL	C...	572	59.22.5101	100 uF	-20% 25V EL	D...	227	50.04.0125	1M4448	50V SI
C...	21	59.05.2102	1 nF	2.5% 50V PP	C...	134	59.06.0104	100 nF	10% 50V PETF	C...	573	59.06.0224	220 nF	10% 50V PETF	D...	228	50.04.0125	1M4448	50V SI
C...	22	59.05.2102	1 nF	2.5% 50V PP	C...	135	59.06.0104	100 nF	10% 50V PETF	C...	575	59.05.1102	1 nF	1% 50V PP	D...	229	50.04.0125	1M4448	50V SI
C...	23	59.05.2102	1 nF	2.5% 50V PP	C...	136	59.06.0102	1 nF	10% 50V PETF	C...	576	59.22.3470	47 uF	-20% 10V EL	D...	230	50.04.0125	1M4448	50V SI
C...	24	59.34.4627	42 nF	5% 50V PETF	C...	137	59.22.3470	47 uF	-20% 10V EL	C...	577	59.05.1471	470 pF	1% 630V PP	D...	331	50.04.0125	1M4448	50V SI
C...	25	59.06.0223	22 nF	10% 50V PETF	C...	138	59.06.0223	22 nF	10% 50V Cer	C...	578	59.05.1102	1 nF	1% 630V PP	D...	332	50.04.0125	1M4448	50V SI
C...	26	59.22.9479	4.7 uF	-20% 35V EL	C...	139	59.34.4680	68 pF	10% 50V PETF	C...	579	00.00.0000	not used		D...	335	50.04.0125	1M4448	50V SI
C...	27	59.22.9479	4.7 uF	-20% 35V EL	C...	141	59.22.6220	22 uF	-20% 35V EL	C...	581	59.22.6220	22 uF	-20% 35V ELTP	D...	336	50.04.0125	1M4448	50V SI
C...	28	59.22.3470	47 uF	-20% 10V EL	C...	142	59.22.6220	22 uF	-20% 35V EL	C...	582	59.05.2102	1 nF	2.5% 630V PP	D...	337	50.04.0125	1M4448	50V SI
C...	31	59.22.6100	10 uF	-20% 35V EL	C...	143	59.22.3101	100 uF	-20% 10V EL	C...	583	59.05.2331	330 pF	2.5% 630V PP	D...	338	50.04.0125	1M4448	50V SI
C...	32	59.05.2102	1 nF	2.5% 50V PP	C...	144	59.22.3101	100 uF	-20% 10V EL	C...	584	00.00.0000	not used		D...	339	50.04.0125	1M4448	50V SI
C...	33	59.05.2102	1 nF	2.5% 50V PP	C...	145	59.34.4101	100 pF	10% 50V Cer	C...	585	59.06.0103	10 nF	10% 50V PETF	D...	501	50.04.0125	1M4448	50V SI
C...	34	59.06.5682	6.8 nF	5% 50V PETF	C...	146	59.34.4101	100 pF	10% 50V Cer	C...	586	59.06.0333	33 nF	10% 50V PETF	D...	502	50.04.1112	5.1 V	5% 0.4W Zener
C...	35	59.05.1332	3.3 nF	1% 50V PP	C...	147	59.22.5221	220 uF	-20% 25V EL	C...	587	59.06.0683	68 nF	10% 50V PETF	D...	503	50.04.1105	2.7 V	5% 0.4W Zener
C...	36	59.05.1332	3.3 nF	1% 50V PP	C...	148	59.22.5221	220 uF	-20% 25V EL	C...	588	59.05.1103	100 pF	1% 50V PP	D...	504	50.04.1102	6.8 V	5% 0.4W Zener
C...	37	59.34.2220	22 pF	10% 50V Cer	C...	301	59.22.5220	22 uF	-20% 25V EL	C...	589	00.00.0000	not used		D...	505	50.04.0125	1M4448	50V SI
C...	38	59.34.2220	22 pF	10% 50V Cer	C...	302	59.06.0683	68 nF	10% 50V PETF	C...	590	59.06.0683	68 nF	10% 50V PETF	D...	506	50.04.0125	1M4448	50V SI
C...	41	59.34.2220	22 pF	10% 50V Cer	C...	303	59.06.0683	68 nF	10% 50V PETF	C...	591	59.34.4101	100 pF	10% 50V Cer	D...	507	50.04.0125	1M4448	50V SI
C...	42	59.34.2220	22 pF	10% 50V Cer	C...	304	59.22.3101	100 uF	-20% 10V EL	C...	592	59.22.2221	220 uF	-20% 6.3V EL	D...	508	50.04.0125	1M4448	50V SI
C...	43	59.22.3470	47 uF	-20% 10V EL	C...	311	59.22.6100	10 uF	-20% 35V EL	C...	593	59.22.3101	100 uF	-20% 10V EL	D...	509	50.04.0125	1M4448	50V SI
C...	44	59.22.3470	47 uF	-20% 10V EL	C...	312	59.34.4680	68 pF	10% 50V Cer	C...	594	59.34.4680	68 pF	10% 50V Cer	D...	510	50.04.0125	1M4448	50V SI
C...	45	59.06.5474	47 nF	5% 50V PETF	C...	313	59.05.1472	4.7 nF	1% 50V PP	C...	595	59.34.4820	68 pF	10% 50V Cer	D...	511	50.04.0125	1M4448	50V SI
C...	46	59.06.0104	100 nF	10% 50V PETF	C...	314	59.26.1479	4.7 uF	20% 10V EL, SAL	C...	596	59.05.2471	470 pF	5% 50V Cer	D...	512	50.04.0125	1M4448	50V SI
C...	47	59.06.0102	1 nF	2.5% 50V PP	C...	315	59.34.4680	68 pF	10% 50V Cer	C...	597	59.34.4680	68 pF	10% 50V Cer	D...	513	50.04.0125	1M4448	50V SI
C...	48	59.22.3470	47 uF	-20% 10V EL	C...	316	59.22.6100	10 uF	-20% 35V EL	C...	598	59.06.0102	1 nF	10% 50V PETF	D...	514	50.04.0125	1M4448	50V SI
C...	51	59.06.0103	10 nF	10% 50V PETF	C...	317	59.26.1479	4.7 uF	20% 10V EL, SAL	C...	599	59.22.5220	220 uF	-20% 25V EL	D...	515	50.04.0125	1M4448	50V SI
C...	52	59.06.0103	10 nF	10% 50V PETF	C...	318	59.05.1472	4.7 nF	1% 50V PP	C...	600	59.06.0104	100 nF	10% 50V PETF	D...	516	50.04.0125	1M4448	50V SI
C...	53	59.34.4680	68 pF	10% 50V Cer	C...	319	59.22.6470	47 uF	-20% 35V EL	C...	601	59.22.6220	22 uF	-20% 25V EL	D...	517	50.04.0125	1M4448	50V SI
C...	54	59.34.4680	68 pF	10% 50V Cer	C...	321	59.22.3470	47 uF	-20% 10V EL	C...	602	59.05.1223	22 uF	-20% 10V EL	D...	518	50.04.0125	1M4448	50V SI
C...	55	59.06.0473	47 nF	5% 50V PETF	C...	322	59.34.4680	68 pF	10% 50V Cer	C...	603	59.26.0470	4.7 uF	-20% 6.3V EL, SAL	D...	519	50.04.1106	2.7 V	5% 0.4W Zener
C...	56	59.05.1102	1 nF	1% 50V PP	C...	323	59.34.4680	68 pF	10% 50V Cer	C...	604	59.26.1220	22 pF	-20% 10V EL, SAL	D...	520	50.04.0125	1M4448	50V SI
C...	57	59.34.0479	4.7 pF	10% 50V Cer	C...	324	59.05.2102	1 nF	2.5% 50V PP	C...	605	59.06.0135	15 nF	10% 50V Cer	D...	521	50.04.0125	1M4448	50V SI
C...	58	59.22.5101	100 uF	-20% 25V EL	C...	325	59.06.0135	15 nF	10% 50V PETF	C...	606	59.34.4680	68 pF	10% 50V Cer	D...	522	50.04.0125	1M4448	50V SI
C...	59	59.22.5101	100 uF	-20% 25V EL	C...	331	59.22.3470	47 uF	-20% 10V EL	C...	607	59.05.2102	1 nF	2.5% 50V PP	D...	523	50.04.1121	24 V	5% 0.4W Zener
C...	63	59.06.0473	47 nF	5% 50V PETF	C...	332	59.34.4680	68 pF	10% 50V Cer	C...	608	59.26.1220	22 pF	-20% 10V EL, SAL	D...	524	50.04.1117	12 V	5% 0.4W Zener
C...	64	59.05.1102	1 nF	1% 50V PP	C...	333	59.34.4680	68 pF	10% 50V Cer	C...	609	59.06.0683	68 nF	10% 50V PETF	D...	525	50.04.0125	1M4448	50V SI
C...	65	59.34.0479	4.7 pF	10% 50V Cer	C...	334	59.34.4680	68 pF	10% 50V Cer	C...	610	59.34.4680	68 pF	10% 50V Cer	D...	526	50.04.0125	1M4448	50V SI
C...	66	59.34.5471	470 pF	5% 50V Cer	C...	335	59.05.2102	1 nF	2.5% 50V PP	C...	611								

STUDER A827 MCH



AUDIO ELECTRONICS BOARD 1.827.710.82

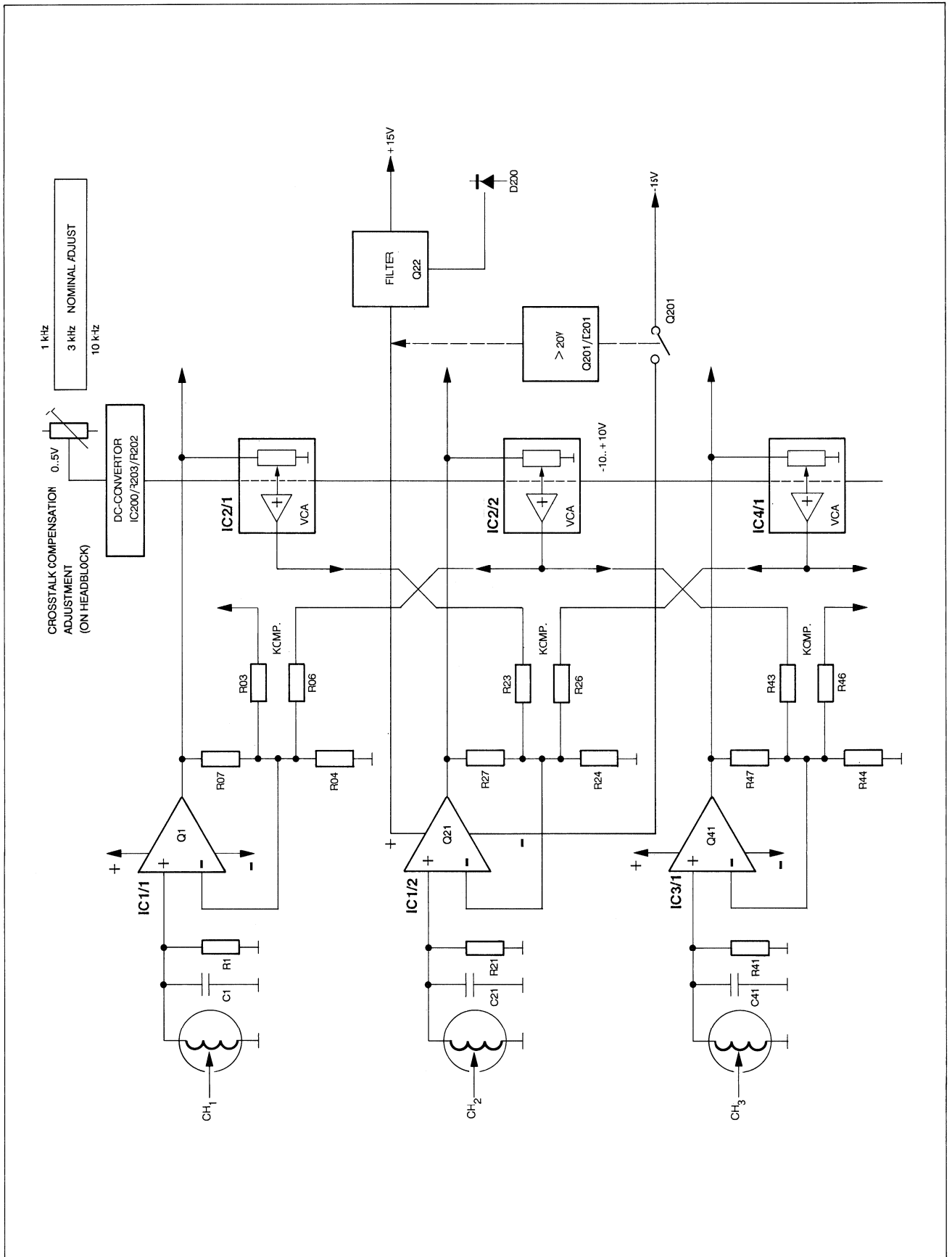
Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER	Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER	Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER	Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER
IC..301	50.17.1273	74HC273	Octal D-Flip-Flop with Reset		P.....1	54.11.2004	1 pce	Eurocard Connector 64P		R...32	57.11.3432	4.3 kOhm	1%, 0.25W, MF		R...133	57.11.3242	2.4 kOhm	1%, 0.25W, MF	
IC..302	50.17.1273	74HC273	Octal D-Flip-Flop with Reset		Q.....1	50.03.0350	J112		Not	R...33	57.11.3472	4.7 kOhm	1%, 0.25W, MF		R...134	58.01.9502	5 kOhm	10%, 0.5 W, PMG	
IC..303	50.17.1273	74HC273	Octal D-Flip-Flop with Reset		Q.....2	50.03.0436	IC2378	BC547B, BC550B	NPN	R...34	57.11.3432	4.3 kOhm	1%, 0.25W, MF		R...135	57.11.3392	3.3 kOhm	1%, 0.25W, MF	
IC..304	50.17.1574	74HC574	Octal 3-State D-Flip-Flop		Q.....3	50.03.0436	IC2378	BC547B, BC550B	NPN	R...35	57.11.3681	680 Ohm	1%, 0.25W, MF		R...136	57.11.3222	2.2 kOhm	1%, 0.25W, MF	
IC..305	50.17.1574	74HC574	Octal 3-State D-Flip-Flop		Q.....4	50.03.0436	IC2378	BC547B, BC550B	NPN	R...36	57.11.3272	2.7 kOhm	1%, 0.25W, MF		R...137	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..306	50.17.1574	74HC574	Octal 3-State D-Flip-Flop		Q.....5	50.03.0436	IC2378	BC547B, BC550B	NPN	R...37	57.11.3302	3 kOhm	1%, 0.25W, MF		R...138	57.11.3223	22 kOhm	1%, 0.25W, MF	
IC..307	50.17.1574	74HC574	Octal 3-State D-Flip-Flop		Q.....6	50.03.0436	IC2378	BC547B, BC550B	NPN	R...38	57.11.3302	3 kOhm	1%, 0.25W, MF		R...139	57.11.3102	1 kOhm	1%, 0.25W, MF	
IC..308	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....7	50.03.0436	IC2378	BC547B, BC550B	NPN	R...39	57.11.3312	1.3 kOhm	1%, 0.25W, MF		R...140	57.11.3472	4.7 kOhm	1%, 0.25W, MF	
IC..309	50.07.0024	MC 14052	CMOS Analog Switch	Ti,Not	Q.....8	50.03.0515	IC3078	BC557B, BC560B	PNP	R...41	57.11.3472	4.7 kOhm	1%, 0.25W, MF		R...141	57.11.3104	100 kOhm	1%, 0.25W, MF	
IC..310	50.09.0101	TL 072	Dual Op. Amp.	Ti,Not	Q.....9	50.03.0510	BD135-16		NPN	R...42	57.11.3682	6.8 kOhm	1%, 0.25W, MF		R...142	57.11.5335	3 kOhm	5%, 0.25W, MF	
IC..311	50.09.0101	TL 072	Dual Op. Amp.	Ti,Not	Q.....10	50.03.0495	BD135-16		NPN	R...43	57.11.3333	33 kOhm	1%, 0.25W, MF		R...143	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..501	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....11	50.03.0436	IC2378	BC547B, BC550B	NPN	R...44	57.11.3102	1 kOhm	1%, 0.25W, MF		R...144	57.11.3154	150 kOhm	1%, 0.25W, MF	
IC..502	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q.....12	50.03.0436	IC2378	BC547B, BC550B	NPN	R...45	57.11.3470	47 Ohm	1%, 0.25W, MF		R...145	57.11.3470	47 Ohm	1%, 0.25W, MF	
IC..503	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....13	50.03.0436	IC2378	BC547B, BC550B	NPN	R...46	57.11.3682	6.8 kOhm	1%, 0.25W, MF		R...146	57.11.3183	18 kOhm	1%, 0.25W, MF	
IC..504	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....14	50.03.0515	IC3078	BC557B, BC560B	PNP	R...47	57.11.3103	10 kOhm	1%, 0.25W, MF		R...147	00.00.0000		not used	
IC..505	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....15	50.03.0510	BD135-16		NPN	R...48	57.11.3302	3 kOhm	1%, 0.25W, MF		R...148	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..506	50.07.0037	AD 7528JN	Dual 8-bit D/A Converter	ADI	Q.....16	50.03.0495	BD135-16		NPN	R...49	57.11.3682	6.8 kOhm	1%, 0.25W, MF		R...149	57.11.3203	20 kOhm	1%, 0.25W, MF	
IC..507	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....17	50.03.0350	J112		JFET	R...50	57.11.3752	7.5 kOhm	1%, 0.25W, MF		R...150	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..508	50.07.0037	AD 7528JN	Dual 8-bit D/A Converter	ADI	Q.....18	50.03.0625	IC327		PNP	R...51	57.11.3682	6.8 kOhm	1%, 0.25W, MF		R...151	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..509	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....19	50.03.0515	IC3078	BC557B, BC560B	PNP	R...52	57.11.3223	22 kOhm	1%, 0.25W, MF		R...152	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..510	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q.....20	50.03.0515	IC3078	BC557B, BC560B	PNP	R...53	57.11.3274	270 kOhm	1%, 0.25W, MF		R...153	57.11.5106	10 kOhm	5%, 0.25W, MF	
IC..511	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....21	50.03.0350	J112		JFET	R...54	57.11.3223	22 kOhm	1%, 0.25W, MF		R...154	00.00.0000		not used	
IC..512	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....22	50.03.0350	J112		JFET	R...55	57.11.3106	10 kOhm	5%, 0.25W, MF		R...155	57.11.3473	47 kOhm	1%, 0.25W, MF	
IC..513	50.05.0107	RC 4559	Dual Op. Amp.	Ra	Q.....23	50.03.0350	J112		JFET	R...56	57.11.3103	10 kOhm	1%, 0.25W, MF		R...156	57.11.3102	1 kOhm	1%, 0.25W, MF	
IC..514	50.05.0101	TL 072	Dual Op. Amp.	Ti,Not	Q.....24	50.03.0350	J112		JFET	R...57	57.11.3106	10 kOhm	5%, 0.25W, MF		R...157	57.11.3105	1 kOhm	1%, 0.25W, MF	
IC..515	50.05.0101	TL 072	Dual Op. Amp.	Ti,Not	Q.....25	50.03.0515	IC3078	BC557B, BC560B	PNP	R...58	57.11.3103	10 kOhm	1%, 0.25W, MF		R...158	57.11.6226	22 kOhm	10%, 0.25W, MF	
IC..516	50.05.0101	TL 072	Dual Op. Amp.	Ti,Not	Q.....26	50.03.0515	IC3078	BC557B, BC560B	PNP	R...59	00.00.0000		not used		R...159	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..517	50.05.0105	NE 5532	Dual Op. Amp.	Stig	Q.....31	50.03.0515	IC3078	BC557B, BC560B	PNP	R...61	57.11.3103	10 kOhm	1%, 0.25W, MF		R...160	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..518	50.01.0015	MC 14053	CMOS Analog Switch	Not	Q.....32	50.03.0216	J111		JFET	R...62	57.11.3103	10 kOhm	1%, 0.25W, MF		R...161	57.11.3153	15 kOhm	1%, 0.25W, MF	
IC..519	50.05.0107	RC 4559	Dual Op. Amp.	Ra	Q.....33	50.03.0515	IC3078	BC557B, BC560B	PNP	R...63	57.11.3682	6.8 kOhm	1%, 0.25W, MF		R...162	57.11.3222	2.2 kOhm	1%, 0.25W, MF	
IC..520	50.05.0107	RC 4559	Dual Op. Amp.	Ra	Q.....34	50.03.0436	IC2378	BC547B, BC550B	NPN	R...64	57.11.3682	6.8 kOhm	1%, 0.25W, MF		R...163	57.11.3222	2.2 kOhm	1%, 0.25W, MF	
IC..521	50.07.0037	AD 7528JN	Dual 8-bit D/A Converter	ADI	Q.....35	50.03.0515	IC3078	BC557B, BC560B	PNP	R...65	57.11.3132	1.3 kOhm	1%, 0.25W, MF		R...164	57.11.3224	220 kOhm	1%, 0.25W, MF	
IC..522	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....36	50.03.0515	IC3078	BC557B, BC560B	PNP	R...66	57.11.3223	22 kOhm	1%, 0.25W, MF		R...165	57.11.3103	10 kOhm	1%, 0.25W, MF	
IC..523	50.01.0037	AD 7528JN	Dual 8-bit D/A Converter	ADI	Q.....37	50.03.0515	IC3078	BC557B, BC560B	PNP	R...67	57.11.3223	22 kOhm	1%, 0.25W, MF		R...166	57.11.3682	6.8 kOhm	1%, 0.25W, MF	
IC..524	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....38	50.03.0515	IC3078	BC557B, BC560B	PNP	R...68	57.11.3223	22 kOhm	1%, 0.25W, MF		R...167	57.11.3274	270 kOhm	1%, 0.25W, MF	
IC..525	50.07.0015	MC 14053	CMOS Analog Switch	Not	Q.....39	50.03.0350	J112		JFET	R...69	57.11.3471	470 Ohm	1%, 0.25W, MF		R...168	57.11.3134	130 kOhm	1%, 0.25W, MF	
IC..526	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....40	50.03.0350	J112		JFET	R...70	57.11.3393	39 kOhm	1%, 0.25W, MF		R...169	57.11.3183	180 Ohm	1%, 0.25W, MF	
IC..527	50.09.0107	RC 4559	Dual Op. Amp.	Ra	Q.....41	50.03.0350	J112		JFET	R...71	57.11.3562	5.6 kOhm	1%, 0.25W, MF		R...170	57.11.3182	1.8 kOhm	1%, 0.25W, MF	
IC..528	50.09.0105	NE 5532	Dual Op. Amp.	Stig	Q.....42	50.03.0350	J112		JFET	R...72	57.11.3473	47 kOhm	1%, 0.25W, MF		R...171	57.11.3683	6.8 kOhm	1%, 0.25W, MF	
IC..529	50.05.0105	NE 5532	Dual Op. Amp.	Stig	Q.....43	50.03.0350	J112		JFET	R...73	57.11.3223	22 kOhm	1%, 0.25W, MF		R...172	57.11.3333	33 kOhm	1%, 0.25W, MF	
IC..530	50.05.0105	NE 5532	Dual Op. Amp.	Stig	Q.....44	50.03.0350	J112		JFET	R...74	57.11.3104	100 kOhm	1%, 0.25W, MF		R...173	57.11.3103	10 kOhm	1%, 0.25W, MF	
J.....1	54.13.0003		Connector D-Type 25P		Q.....501	50.03.0350	J112		JFET	R...75	57.11.3104	100 kOhm	1%, 0.25W, MF		R...174	57.11.3103	10 kOhm	1%, 0.25W, MF	
JP.....1	54.01.0021		Bridge		Q.....502	50.03.0515	IC3078	BC557B, BC560B	PNP	R...76	57.11.3221	220 kOhm	1%, 0.25W, MF		R...175	57.11.3682	6.8 kOhm	1%, 0.25W, MF	
JP.....2	54.01.0021		Bridge		Q.....503	50.03.0436	IC2378	BC547B, BC550B	NPN	R...77	57.11.3221	220 kOhm	1%, 0.25W, MF		R...176	57.11.3103	10 kOhm	1%, 0.25W, MF	
JP.....301	54.01.0021		Bridge		Q.....504	50.03.0436	IC2378	BC547B, BC550B	NPN	R...78	57.11.3682	6.8 kOhm	1%, 0.25W, MF		R...177	57.11.3472	4.7 kOhm	1%, 0.25W, MF	
JP.....302	54.01.0021		Bridge		Q.....505	50.03.0436	IC2378	BC547B, BC550B	NPN	R...79	57.11.3221	220 kOhm	1%, 0.25W, MF		R...178	57.11.3472	4.7 kOhm	1%, 0.25W, MF	
JP.....501	54.01.0021		Bridge		Q.....506	50.03.0436	IC2378	BC547B, BC550B	NPN	R...80	57.11.3682	6.8 kOhm	1%, 0.25W, MF		R...179	57.11.3223	22 kOhm	1%, 0.25W, MF	
JP.....502	54.01.0021		Bridge		Q.....507	50.03.0436	IC2378	BC547B, BC550B	NPN	R...81	57.11.3153	15 kOhm	1%, 0.25W, MF		R...180	57.11.3221	220 Ohm	1%, 0.25W, MF	
K.....1	56.04.0197	2W	Relay, 24V, 2880 Ohm		Q.....508	50.03.0515	IC3078	BC557B, BC560B	PNP	R...82	57.11.3154	150 kOhm	1%, 0.25W, MF		R...181	57.11.3182	1.8 kOhm	1%, 0.25W, MF	
K.....2	56.04.0197	2W	Relay, 24V, 2880 Ohm		Q.....509	50.03.0625	IC327		PNP	R...83	57.11.3221	220 kOhm	1%, 0.25W, MF		R...182	57.11.3152	1.5 kOhm	1%, 0.25W, MF	
K.....501	56.04.0197	2W	Relay, 24V, 2880 Ohm		Q.....510	50.03.0495	BD135-16		NPN	R...84	57.11.3153	15 kOhm	1%, 0.25W, MF		R...183	57.11.3304	390 kOhm	1%, 0.25W, MF	
K.....502	56.04.0197	2W	Relay, 24V, 2880 Ohm		Q.....511	50.03.0436	IC2378												



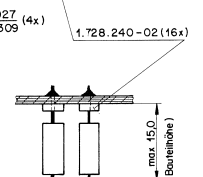
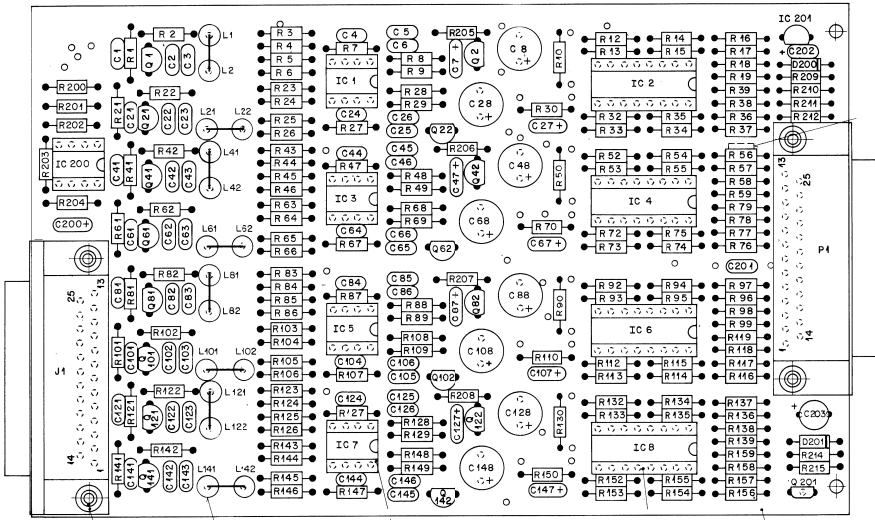
AUDIO ELECTRONICS BOARD 1.827.710.82

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
R..231	57.11.3470	47	Ohm	1%, 0.25W, MF	R..375	57.11.3102	1	kOhm	1%, 0.25W, MF	R..596	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..693	57.11.3102	1	kOhm	1%, 0.25W, MF
R..232	57.11.3473	47	Ohm	1%, 0.25W, MF	R..376	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R..597	57.11.3220	22	Ohm	1%, 0.25W, MF	R..694	57.11.3473	47	Ohm	1%, 0.25W, MF
R..233	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..377	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R..598	57.11.3220	22	Ohm	1%, 0.25W, MF	R..695	00.00.0000			not used
R..234	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..378	57.11.3223	22	kOhm	1%, 0.25W, MF	R..599	57.11.3332	3.3	kOhm	1%, 0.25W, MF	R..696	57.11.3474	47	Ohm	1%, 0.25W, MF
R..235	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..379	57.11.3223	22	kOhm	1%, 0.25W, MF	R..600	57.11.3470	47	Ohm	1%, 0.25W, MF	R..697	57.11.3103	10	kOhm	1%, 0.25W, MF
R..236	57.11.3224	220	kOhm	1%, 0.25W, MF	R..380	57.11.3223	22	kOhm	1%, 0.25W, MF					R..698	57.11.3103	10	kOhm	1%, 0.25W, MF	
R..237	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..501	57.11.3152	1.5	kOhm	1%, 0.25W, MF	R..601	57.11.3470	47	Ohm	1%, 0.25W, MF	R..699	57.11.3223	22	kOhm	1%, 0.25W, MF
R..238	57.11.3470	47	Ohm	1%, 0.25W, MF	R..502	57.11.3152	1.5	kOhm	1%, 0.25W, MF	R..602	57.11.3102	1	kOhm	1%, 0.25W, MF	R..700	57.11.3103	10	kOhm	1%, 0.25W, MF
R..239	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..503	57.11.3392	3.9	kOhm	1%, 0.25W, MF	R..603	57.11.3229	2.2	Ohm	1%, 0.25W, MF					
R..240	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..504	57.11.3392	3.9	kOhm	1%, 0.25W, MF	R..604	57.99.0209	5.6	Ohm	1%, 0.25W, MF					PTC
					R..505	57.11.3392	3.9	kOhm	1%, 0.25W, MF	R..605	57.11.3569	5.6	Ohm	1%, 0.25W, MF					
R..241	57.11.3470	47	Ohm	1%, 0.25W, MF	R..506	57.11.3182	1.8	kOhm	1%, 0.25W, MF	R..606	57.11.3471	47	Ohm	1%, 0.25W, MF	R..701	57.11.3103	10	kOhm	1%, 0.25W, MF
R..242	57.11.3470	47	Ohm	1%, 0.25W, MF	R..507	57.11.3103	10	kOhm	1%, 0.25W, MF	R..607	57.11.3332	3.3	kOhm	1%, 0.25W, MF	R..702	57.11.3101	100	Ohm	1%, 0.25W, MF
R..243	57.11.3103	10	kOhm	1%, 0.25W, MF	R..508	57.11.3392	3.9	kOhm	1%, 0.25W, MF	R..608	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R..703	57.11.3103	10	kOhm	1%, 0.25W, MF
R..244	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..509	57.11.3432	4.3	kOhm	1%, 0.25W, MF	R..609	57.11.3680	68	Ohm	1%, 0.25W, MF	R..704	57.11.3333	33	kOhm	1%, 0.25W, MF
R..245	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..510	57.11.3103	10	kOhm	1%, 0.25W, MF	R..610	57.11.3470	47	Ohm	1%, 0.25W, MF	R..705	57.11.3474	47	Ohm	1%, 0.25W, MF
R..246	57.11.3682	6.8	kOhm	1%, 0.25W, MF										R..706	57.11.3103	10	kOhm	1%, 0.25W, MF	
R..247	57.11.3224	220	kOhm	1%, 0.25W, MF										R..707	57.11.3103	10	kOhm	1%, 0.25W, MF	
R..248	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..511	57.11.3103	10	kOhm	1%, 0.25W, MF	R..611	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R..708	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R..249	57.11.3470	47	Ohm	1%, 0.25W, MF	R..512	57.11.3103	10	kOhm	1%, 0.25W, MF	R..612	57.11.3229	2.2	Ohm	1%, 0.25W, MF	R..709	57.11.3152	1.5	kOhm	1%, 0.25W, MF
R..250	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..513	57.11.3473	4.7	kOhm	1%, 0.25W, MF	R..613	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..710	57.11.3105	1	MOhm	1%, 0.25W, MF
					R..514	57.11.3473	4.7	kOhm	1%, 0.25W, MF	R..614	57.11.3220	22	Ohm	1%, 0.25W, MF					
R..251	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..515	57.11.3103	10	kOhm	1%, 0.25W, MF	R..615	57.11.3220	22	Ohm	1%, 0.25W, MF	R..711	57.11.3393	39	kOhm	1%, 0.25W, MF
R..252	57.11.3470	47	Ohm	1%, 0.25W, MF	R..516	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..616	57.11.3220	22	Ohm	1%, 0.25W, MF	R..712	00.00.0000			not used
R..253	57.11.3470	47	Ohm	1%, 0.25W, MF	R..517	57.11.3103	10	kOhm	1%, 0.25W, MF	R..617	57.11.3332	3.3	kOhm	1%, 0.25W, MF	R..713	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R..254	57.11.3103	10	kOhm	1%, 0.25W, MF	R..518	57.11.3273	27	kOhm	1%, 0.25W, MF	R..618	57.11.3470	47	Ohm	1%, 0.25W, MF	R..714	57.11.3332	3.3	kOhm	1%, 0.25W, MF
R..255	57.11.3103	10	kOhm	1%, 0.25W, MF	R..519	57.11.3154	150	kOhm	1%, 0.25W, MF	R..619	57.11.3470	47	Ohm	1%, 0.25W, MF	R..715	57.11.3473	47	Ohm	1%, 0.25W, MF
					R..520	57.11.3102	1	kOhm	1%, 0.25W, MF	R..620	57.11.3102	1	kOhm	1%, 0.25W, MF	R..716	57.11.3105	1	MOhm	1%, 0.25W, MF
R..261	57.11.3103	10	kOhm	1%, 0.25W, MF						R..621	57.11.3229	2.2	Ohm	1%, 0.25W, MF	R..717	57.11.3106	10	MOhm	5%, 0.25W, MF
R..262	57.11.3103	10	kOhm	1%, 0.25W, MF	R..521	57.11.3103	10	kOhm	1%, 0.25W, MF	R..622	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..718	57.11.5108	10	MOhm	5%, 0.25W, MF
R..263	57.11.3103	10	kOhm	1%, 0.25W, MF	R..522	57.11.3152	1.5	kOhm	1%, 0.25W, MF	R..623	57.11.3102	1	kOhm	1%, 0.25W, MF	R..719	57.11.5108	10	MOhm	5%, 0.25W, MF
					R..523	57.11.3273	27	kOhm	1%, 0.25W, MF	R..624	57.11.3102	1	kOhm	1%, 0.25W, MF	R..720	57.11.3103	10	kOhm	1%, 0.25W, MF
R..301	57.11.3103	10	kOhm	1%, 0.25W, MF	R..524	57.11.3332	3.3	kOhm	1%, 0.25W, MF	R..625	57.11.3569	5.6	Ohm	1%, 0.25W, MF	R..721	57.11.3103	10	kOhm	1%, 0.25W, MF
R..302	57.11.3103	10	kOhm	1%, 0.25W, MF	R..525	00.00.0000			not used	R..626	57.11.3100	10	Ohm	1%, 0.25W, MF	R..722	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R..303	57.11.3223	22	kOhm	1%, 0.25W, MF	R..526	00.00.0000			not used	R..627	57.11.3103	10	Ohm	1%, 0.25W, MF	R..723	57.11.3472	4.7	kOhm	1%, 0.25W, MF
R..304	57.11.3103	10	kOhm	1%, 0.25W, MF	R..527	57.11.3102	1	kOhm	1%, 0.25W, MF	R..628	57.11.3105	1	Ohm	1%, 0.25W, MF	R..724	57.11.3332	3.3	kOhm	1%, 0.25W, MF
R..305	57.11.3223	22	kOhm	1%, 0.25W, MF	R..528	57.11.3154	150	kOhm	1%, 0.25W, MF	R..629	58.01.9103	10	kOhm	10%, 0.5 W, PGM	R..725	57.11.3223	22	kOhm	1%, 0.25W, MF
R..306	57.11.3103	10	kOhm	1%, 0.25W, MF	R..529	57.11.3681	68	Ohm	1%, 0.25W, MF	R..630	57.11.3569	5.6	Ohm	1%, 0.25W, MF	R..726	57.99.0250	6.8	kOhm	0.1%, 0.25W, MF
R..307	57.11.3103	10	kOhm	1%, 0.25W, MF	R..530	57.11.3472	4.7	kOhm	1%, 0.25W, MF					R..727	57.11.3113	11	kOhm	1%, 0.25W, MF	
R..308	57.11.3223	22	kOhm	1%, 0.25W, MF						R..631	58.01.9502	5	kOhm	10%, 0.5 W, PGM	R..728	57.11.3474	47	Ohm	1%, 0.25W, MF
R..309	57.11.3103	10	kOhm	1%, 0.25W, MF	R..531	57.11.3272	2.7	kOhm	1%, 0.25W, MF	R..632	57.11.3332	3.3	kOhm	1%, 0.25W, MF	R..729	57.11.3753	75	kOhm	1%, 0.25W, MF
R..310	57.11.3223	22	kOhm	1%, 0.25W, MF	R..532	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R..633	57.11.3242	2.4	kOhm	1%, 0.25W, MF	R..730	57.11.3104	100	kOhm	1%, 0.25W, MF
					R..533	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R..634	58.01.9502	5	kOhm	10%, 0.5 W, PGM					
R..311	57.11.3103	10	kOhm	1%, 0.25W, MF	R..534	57.11.3432	4.3	kOhm	1%, 0.25W, MF	R..635	57.11.3294	3.9	kOhm	1%, 0.25W, MF	R..731	57.11.3470	47	Ohm	1%, 0.25W, MF
R..312	57.11.3473	47	Ohm	1%, 0.25W, MF	R..535	57.11.3681	68	Ohm	1%, 0.25W, MF	R..636	57.11.3272	2.7	kOhm	1%, 0.25W, MF	R..732	57.11.3473	47	Ohm	1%, 0.25W, MF
R..313	57.11.3473	47	Ohm	1%, 0.25W, MF	R..536	57.11.3272	2.7	kOhm	1%, 0.25W, MF	R..637	57.11.3103	10	kOhm	1%, 0.25W, MF	R..733	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R..314	57.11.3102	1	kOhm	1%, 0.25W, MF	R..537	57.11.3202	3	kOhm	1%, 0.25W, MF	R..638	57.11.3223	22	kOhm	1%, 0.25W, MF	R..734	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R..315	57.11.3223	22	kOhm	1%, 0.25W, MF	R..538	57.11.3202	3	kOhm	1%, 0.25W, MF	R..639	57.11.3102	1	kOhm	1%, 0.25W, MF	R..735	57.11.3224	220	kOhm	1%, 0.25W, MF
R..316	57.11.3103	10	kOhm	1%, 0.25W, MF	R..539	57.11.3132	1.3	kOhm	1%, 0.25W, MF	R..640	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R..736	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R..317	57.11.3152	1.5	kOhm	1%, 0.25W, MF	R..540	57.11.3472	4.7	kOhm	1%, 0.25W, MF					R..737	57.11.3682	6.8	kOhm	1%, 0.25W, MF	
R..318	57.11.3473	47	Ohm	1%, 0.25W, MF						R..641	57.11.3104	100	kOhm	1%, 0.25W, MF	R..738	57.11.3470	47	Ohm	1%, 0.25W, MF
					R..541	57.11.3472	4.7	kOhm	1%, 0.25W, MF	R..642	57.11.5335	3.3	MOhm	5%, 0.25W, MF	R..739	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R..321	57.11.3103	10	kOhm	1%, 0.25W, MF	R..542	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..643	57.11.3103	10	kOhm	1%, 0.25W, MF	R..740	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R..322	57.11.3106	10	MOhm	1%, 0.25W, MF	R..543	57.11.3154	150	kOhm	1%, 0.25W, MF	R..644	57.11.3154	150	kOhm	1%, 0.25W, MF	R..741	57.11.3470	47	Ohm	1%, 0.25W, MF
R..323	57.11.3392	3.9	kOhm	1%, 0.25W, MF	R..544	57.11.3102	1	kOhm	1%, 0.25W, MF	R..645	57.11.3470	47	Ohm	1%, 0.25W, MF	R..742	57.11.3470	47	Ohm	1%, 0.25W, MF
R..324	57.11.5106	10	MOhm	5%, 0.25W, MF	R..545	57.11.3470	47	Ohm	1%, 0.25W, MF	R..646	57.11.3183	18	kOhm	1%, 0.25W, MF	R..743	57.11.3103	10	kOhm	1%, 0.25W, MF
R..325	57.11.3103	10	kOhm	1%, 0.25W, MF	R..546	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..647	00.00.0000			not used	R..744	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R..326	57.11.3682	6.8	kOhm	1%, 0.25W, MF	R..547	57.11.3103	10	kOhm	1%, 0.25W, MF	R..648	57.11.3103	10	kOhm	1%, 0.25W, MF	R..745	57.11.3682	6.8	kOhm	1%, 0.25W, MF
R..327	57.11.3822	6.2	kOhm	1%, 0.25W, MF	R..549	57.11.3683	68	Ohm	1%, 0.25W, MF	R..649	57.11.3203								

**BLOCK DIAGRAM
REPRODUCE PREAMPLIFIER 8CH 1.820.808**



REPRODUCE PREAMPLIFIER 8 CH 1.820.808.81



Anschlüsse 4mm überlappend verlotet.

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...01	59.34.4560	56 pf	5%	Cer	
C...02	59.06.0222	2.2 nf	10%	63V, PTF	
C...03	59.06.0222	2.2 nf	10%	63V, PTF	
C...04	59.06.0104	100 nf	10%	63V, PTF	
C...05	59.34.4181	180 pf	5%	Cer	
C...07	59.26.2339	3.3 nf	20%	16V, Sal	
C...08	59.22.3471	470 pf	5%	Cer	
C...11	59.34.4560	56 pf	5%	Cer	
C...12	59.06.0222	2.2 nf	10%	63V, PTF	
C...13	59.06.0222	2.2 nf	10%	63V, PTF	
C...14	59.06.0104	100 nf	10%	63V, PTF	
C...15	59.34.4181	180 pf	5%	Cer	
C...17	59.26.2339	3.3 nf	20%	16V, Sal	
C...18	59.22.3471	470 pf	5%	Cer	
C...41	59.34.4560	56 pf	5%	Cer	
C...42	59.06.0222	2.2 nf	10%	63V, PTF	
C...43	59.06.0222	2.2 nf	10%	63V, PTF	
C...44	59.06.0104	100 nf	10%	63V, PTF	
C...45	59.34.4181	180 pf	5%	Cer	
C...47	59.26.2339	3.3 nf	20%	16V, Sal	
C...48	59.22.3471	470 pf	5%	Cer	
C...61	59.34.4560	56 pf	5%	Cer	
C...62	59.06.0222	2.2 nf	10%	63V, PTF	
C...63	59.06.0222	2.2 nf	10%	63V, PTF	
C...64	59.06.0104	100 nf	10%	63V, PTF	
C...65	59.34.4181	180 pf	5%	Cer	
C...85	59.06.0104	100 nf	10%	63V, PTF	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...86	59.34.4181	180 pf	5%	Cer	
C...87	59.26.2339	3.3 nf	20%	16V, Sal	
C...88	59.22.3471	470 pf	5%	Cer	
C...101	59.34.4560	56 pf	5%	Cer	
C...102	59.06.0222	2.2 nf	10%	63V, PTF	
C...103	59.06.0222	2.2 nf	10%	63V, PTF	
C...104	59.06.0104	100 nf	10%	63V, PTF	
C...105	59.34.4181	180 pf	5%	Cer	
C...107	59.26.2339	3.3 nf	20%	16V, Sal	
C...108	59.22.3471	470 pf	5%	Cer	
C...121	59.34.4560	56 pf	5%	Cer	
C...122	59.06.0222	2.2 nf	10%	63V, PTF	
C...123	59.06.0222	2.2 nf	10%	63V, PTF	
C...124	59.06.0104	100 nf	10%	63V, PTF	
C...125	59.34.4181	180 pf	5%	Cer	
C...127	59.26.2339	3.3 nf	20%	16V, Sal	
C...128	59.22.3471	470 pf	5%	Cer	
C...141	59.34.4560	56 pf	5%	Cer	
C...142	59.06.0222	2.2 nf	10%	63V, PTF	
C...143	59.06.0222	2.2 nf	10%	63V, PTF	
C...144	59.06.0104	100 nf	10%	63V, PTF	
C...145	59.34.4181	180 pf	5%	Cer	
C...146	59.26.2339	3.3 nf	20%	16V, Sal	
C...147	59.22.3471	470 pf	5%	Cer	
C...148	59.34.4181	180 pf	5%	Cer	
C...201	59.04.0104	100 nf	10%	63V, PTF	
C...202	59.26.2339	3.3 nf	20%	16V, Sal	
C...203	59.22.3101	100 pf	20%	6.3V, E1	
D...200	50.04.1117	10 V Z	32X 55 C12	ITT-Met-Pb-Tz-Tho	
D...201	50.04.1109	20 V Z	32X 55 C20	ITT-Met-Pb-Tz-Tho	
IC...01	50.09.0106	NE5320N	NE5320N	Ex/Sig,Ra	
IC...02	50.09.0112	LM13700N	NE5317R, KR13600CP	Ex/Sig,Sig	

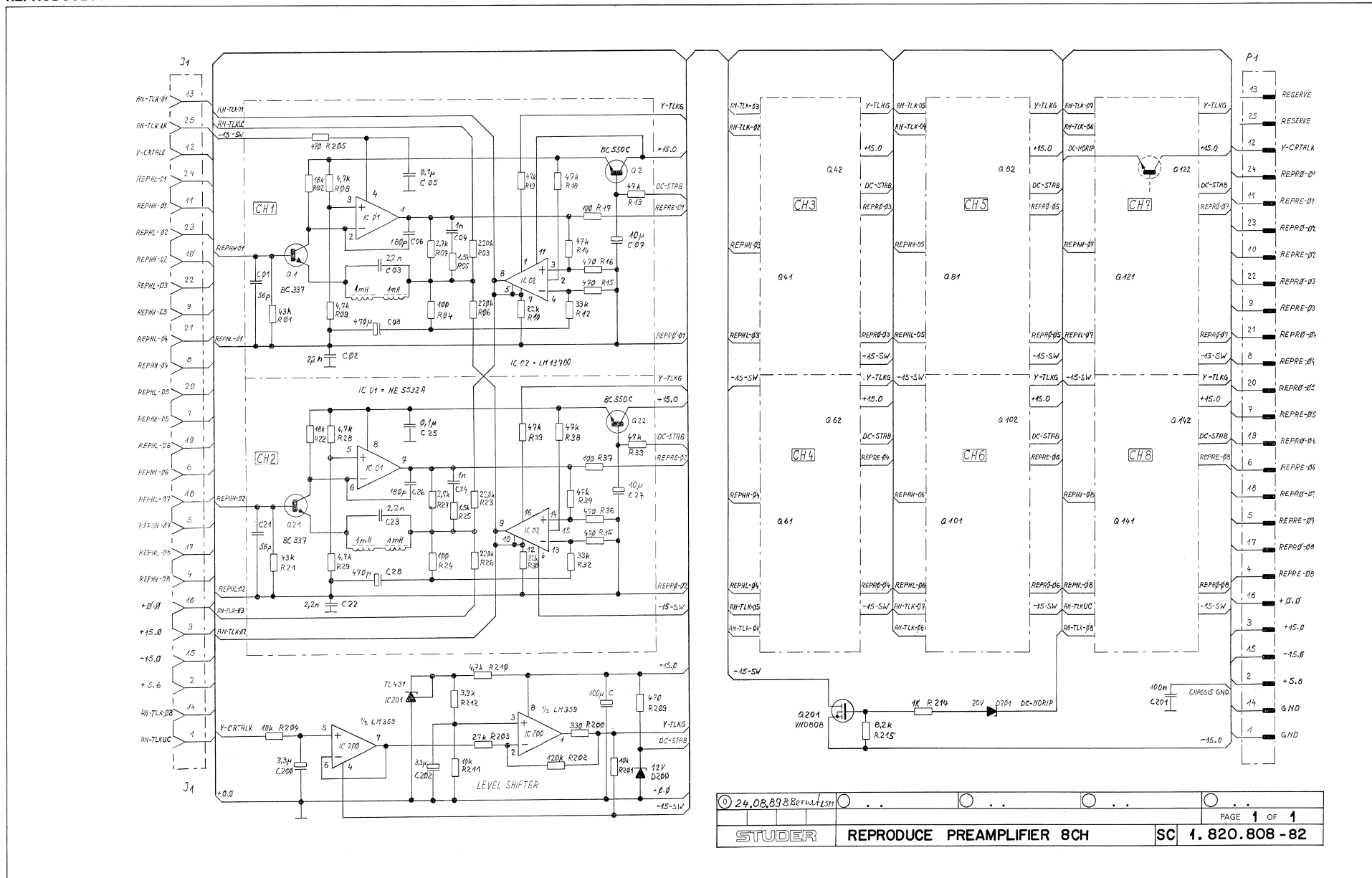
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...03	50.09.0106	NE5320N	NE5320N	Ex/Sig,Ra	
IC...04	50.09.0112	LM13700N	NE5317R, KR13600CP	Ex/Sig,Sig	
IC...05	50.09.0106	NE5320N	NE5320N	Ex/Sig,Ra	
IC...06	50.09.0112	LM13700N	NE5317R, KR13600CP	Ex/Sig,Sig	
IC...07	50.09.0106	NE5320N	NE5320N	Ex/Sig,Ra	
IC...08	50.09.0112	LM13700N	NE5317R, KR13600CP	Ex/Sig,Sig	
IC...200	50.09.0177	KC4559NB	UPC 4559	NEC,Ra	
IC...201	50.14.0106	743501P	Mot-TII		
J...001	54.13.0033	2S CONT.	D-TYPE, AMP NR. 164 802-1		
L...001	62.01.0120	1 mH	10%	Del-Gow	
L...002	62.01.0120	1 mH	10%	Del-Gow	
L...003	62.01.0120	1 mH	10%	Del-Gow	
L...004	62.01.0120	1 mH	10%	Del-Gow	
L...005	62.01.0120	1 mH	10%	Del-Gow	
L...006	62.01.0120	1 mH	10%	Del-Gow	
L...007	62.01.0120	1 mH	10%	Del-Gow	
L...008	62.01.0120	1 mH	10%	Del-Gow	
L...009	62.01.0120	1 mH	10%	Del-Gow	
L...010	62.01.0120	1 mH	10%	Del-Gow	
L...011	62.01.0120	1 mH	10%	Del-Gow	
L...012	62.01.0120	1 mH	10%	Del-Gow	
L...013	62.01.0120	1 mH	10%	Del-Gow	
L...014	62.01.0120	1 mH	10%	Del-Gow	
L...142	62.01.0120	1 mH	10%	Del-Gow	
P...001	54.13.0033	2S cont.	D-Type, AMP NR. 164 494-1		
BC...001	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...002	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
BC...003	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...004	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...005	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...006	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
BC...007	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...008	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...009	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...010	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
BC...011	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...012	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...013	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...014	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...015	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...016	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...017	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...018	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...019	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...020	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...021	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...022	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...023	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...024	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...025	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...026	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...027	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...028	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...029	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...030	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...031	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...032	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...033	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...034	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...035	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...036	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...037	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...038	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...039	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...040	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...041	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...042	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...043	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...044	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...045	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...046	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...047	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...048	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...049	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...050	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...051	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...052	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...053	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...054	50.03.0564	BC 337 E	BC 109 C	Si*	
BC...055	50.03.0564	BC 337 E	BC 109 C	Si*	

STUDER (CO) 07/05/14 BBT REPRODUCE PREAMPLIFIER 8 CH FL 1.820.808.81 PAGE 3

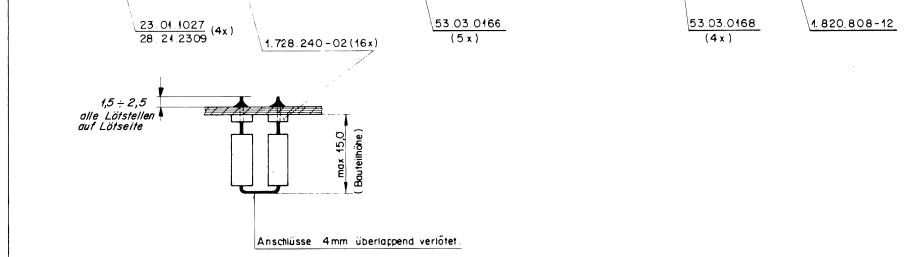
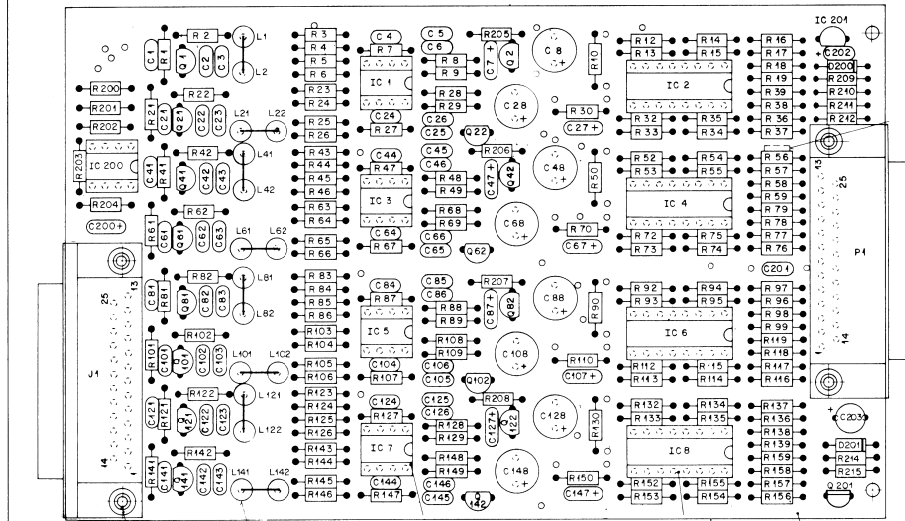
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
G...042	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...043	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...044	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...045	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...046	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...047	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...048	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...049	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...050	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...051	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...052	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...053	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...054	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...055	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...056	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...057	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...058	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...059	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...060	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...061	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...062	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...063	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...064	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...065	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...066	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...067	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...068	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	
G...069	50.03.0407	BC 300 C	BC 109 C	Ph, Si*	



REPRODUCE PREAMPLIFIER 8 CH 1.820.808.82



REPRODUCE PREAMPLIFIER 8 CH 1.820.808.83



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...	01	59.34.4560	56 pF	5%	Cat
C...	02	59.34.4560	2.2 nF	10%	63V PFTF
C...	03	59.06.0222	2.2 nF	10%	63V PFTF
C...	04	59.06.0222	2.2 nF	10%	63V PFTF
C...	05	59.06.0104	100 nF	10%	63V PFTF
C...	06	59.06.0104	100 nF	10%	63V PFTF
C...	07	59.26.2100	10 nF	20%	16V, Sel
C...	08	59.26.2100	10 nF	20%	16V, Sel
C...	09	59.34.4560	56 pF	5%	Cat
C...	10	59.34.4560	56 pF	5%	Cat
C...	11	59.34.4560	56 pF	5%	Cat
C...	12	59.06.0222	2.2 nF	10%	63V PFTF
C...	13	59.06.0222	2.2 nF	10%	63V PFTF
C...	14	59.06.0104	100 nF	10%	63V PFTF
C...	15	59.06.0104	100 nF	10%	63V PFTF
C...	16	59.26.2100	10 nF	20%	16V, Sel
C...	17	59.26.2100	10 nF	20%	16V, Sel
C...	18	59.34.4560	56 pF	5%	Cat
C...	19	59.34.4560	56 pF	5%	Cat
C...	20	59.06.0222	2.2 nF	10%	63V PFTF
C...	21	59.06.0222	2.2 nF	10%	63V PFTF
C...	22	59.06.0104	100 nF	10%	63V PFTF
C...	23	59.06.0104	100 nF	10%	63V PFTF
C...	24	59.26.2100	10 nF	20%	16V, Sel
C...	25	59.26.2100	10 nF	20%	16V, Sel
C...	26	59.34.4560	56 pF	5%	Cat
C...	27	59.34.4560	56 pF	5%	Cat
C...	28	59.06.0222	2.2 nF	10%	63V PFTF
C...	29	59.06.0222	2.2 nF	10%	63V PFTF
C...	30	59.06.0104	100 nF	10%	63V PFTF
C...	31	59.06.0104	100 nF	10%	63V PFTF
C...	32	59.26.2100	10 nF	20%	16V, Sel
C...	33	59.26.2100	10 nF	20%	16V, Sel
C...	34	59.34.4560	56 pF	5%	Cat
C...	35	59.34.4560	56 pF	5%	Cat
C...	36	59.06.0222	2.2 nF	10%	63V PFTF
C...	37	59.06.0222	2.2 nF	10%	63V PFTF
C...	38	59.06.0104	100 nF	10%	63V PFTF
C...	39	59.06.0104	100 nF	10%	63V PFTF
C...	40	59.26.2100	10 nF	20%	16V, Sel
C...	41	59.26.2100	10 nF	20%	16V, Sel
C...	42	59.34.4560	56 pF	5%	Cat
C...	43	59.34.4560	56 pF	5%	Cat
C...	44	59.06.0222	2.2 nF	10%	63V PFTF
C...	45	59.06.0222	2.2 nF	10%	63V PFTF
C...	46	59.06.0104	100 nF	10%	63V PFTF
C...	47	59.06.0104	100 nF	10%	63V PFTF
C...	48	59.26.2100	10 nF	20%	16V, Sel
C...	49	59.26.2100	10 nF	20%	16V, Sel
C...	50	59.34.4560	56 pF	5%	Cat
C...	51	59.34.4560	56 pF	5%	Cat
C...	52	59.06.0222	2.2 nF	10%	63V PFTF
C...	53	59.06.0222	2.2 nF	10%	63V PFTF
C...	54	59.06.0104	100 nF	10%	63V PFTF
C...	55	59.06.0104	100 nF	10%	63V PFTF
C...	56	59.26.2100	10 nF	20%	16V, Sel
C...	57	59.26.2100	10 nF	20%	16V, Sel
C...	58	59.34.4560	56 pF	5%	Cat
C...	59	59.34.4560	56 pF	5%	Cat
C...	60	59.06.0222	2.2 nF	10%	63V PFTF
C...	61	59.06.0222	2.2 nF	10%	63V PFTF
C...	62	59.06.0104	100 nF	10%	63V PFTF
C...	63	59.06.0104	100 nF	10%	63V PFTF
C...	64	59.26.2100	10 nF	20%	16V, Sel
C...	65	59.26.2100	10 nF	20%	16V, Sel
C...	66	59.34.4560	56 pF	5%	Cat
C...	67	59.34.4560	56 pF	5%	Cat
C...	68	59.06.0222	2.2 nF	10%	63V PFTF
C...	69	59.06.0222	2.2 nF	10%	63V PFTF
C...	70	59.06.0104	100 nF	10%	63V PFTF
C...	71	59.06.0104	100 nF	10%	63V PFTF
C...	72	59.26.2100	10 nF	20%	16V, Sel
C...	73	59.26.2100	10 nF	20%	16V, Sel
C...	74	59.34.4560	56 pF	5%	Cat
C...	75	59.34.4560	56 pF	5%	Cat
C...	76	59.06.0222	2.2 nF	10%	63V PFTF
C...	77	59.06.0222	2.2 nF	10%	63V PFTF
C...	78	59.06.0104	100 nF	10%	63V PFTF
C...	79	59.06.0104	100 nF	10%	63V PFTF
C...	80	59.26.2100	10 nF	20%	16V, Sel
C...	81	59.26.2100	10 nF	20%	16V, Sel
C...	82	59.34.4560	56 pF	5%	Cat
C...	83	59.34.4560	56 pF	5%	Cat
C...	84	59.06.0222	2.2 nF	10%	63V PFTF
C...	85	59.06.0222	2.2 nF	10%	63V PFTF
C...	86	59.06.0104	100 nF	10%	63V PFTF
C...	87	59.06.0104	100 nF	10%	63V PFTF

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...	88	59.34.4181	180 pF	5%	Cat
C...	89	59.26.2100	10 nF	20%	16V, Sel
C...	90	59.22.3471	470 nF	20%	6.3V, EI
C...	91	59.34.4560	56 pF	5%	Cat
C...	92	59.06.0222	2.2 nF	10%	63V PFTF
C...	93	59.06.0222	2.2 nF	10%	63V PFTF
C...	94	59.06.0104	100 nF	10%	63V PFTF
C...	95	59.06.0104	100 nF	10%	63V PFTF
C...	96	59.26.2100	10 nF	20%	16V, Sel
C...	97	59.26.2100	10 nF	20%	16V, Sel
C...	98	59.34.4181	180 pF	5%	Cat
C...	99	59.26.2100	10 nF	20%	16V, Sel
C...	100	59.26.2100	10 nF	20%	16V, Sel
C...	101	59.22.3471	470 nF	20%	6.3V, EI
C...	102	59.34.4560	56 pF	5%	Cat
C...	103	59.06.0222	2.2 nF	10%	63V PFTF
C...	104	59.06.0222	2.2 nF	10%	63V PFTF
C...	105	59.06.0104	100 nF	10%	63V PFTF
C...	106	59.06.0104	100 nF	10%	63V PFTF
C...	107	59.26.2100	10 nF	20%	16V, Sel
C...	108	59.26.2100	10 nF	20%	16V, Sel
C...	109	59.34.4181	180 pF	5%	Cat
C...	110	59.26.2100	10 nF	20%	16V, Sel
C...	111	59.26.2100	10 nF	20%	16V, Sel
C...	112	59.22.3471	470 nF	20%	6.3V, EI
C...	113	59.34.4560	56 pF	5%	Cat
C...	114	59.06.0222	2.2 nF	10%	63V PFTF
C...	115	59.06.0222	2.2 nF	10%	63V PFTF
C...	116	59.06.0104	100 nF	10%	63V PFTF
C...	117	59.06.0104	100 nF	10%	63V PFTF
C...	118	59.26.2100	10 nF	20%	16V, Sel
C...	119	59.26.2100	10 nF	20%	16V, Sel
C...	120	59.34.4181	180 pF	5%	Cat
C...	121	59.26.2100	10 nF	20%	16V, Sel
C...	122	59.26.2100	10 nF	20%	16V, Sel
C...	123	59.22.3471	470 nF	20%	6.3V, EI
C...	124	59.34.4560	56 pF	5%	Cat
C...	125	59.06.0222	2.2 nF	10%	63V PFTF
C...	126	59.06.0222	2.2 nF	10%	63V PFTF
C...	127	59.06.0104	100 nF	10%	63V PFTF
C...	128	59.06.0104	100 nF	10%	63V PFTF
C...	129	59.26.2100	10 nF	20%	16V, Sel
C...	130	59.26.2100	10 nF	20%	16V, Sel
C...	131	59.34.4181	180 pF	5%	Cat
C...	132	59.26.2100	10 nF	20%	16V, Sel
C...	133	59.26.2100	10 nF	20%	16V, Sel
C...	134	59.22.3471	470 nF	20%	6.3V, EI
C...	135	59.34.4560	56 pF	5%	Cat
C...	136	59.06.0222	2.2 nF	10%	63V PFTF
C...	137	59.06.0222	2.2 nF	10%	63V PFTF
C...	138	59.06.0104	100 nF	10%	63V PFTF
C...	139	59.06.0104	100 nF	10%	63V PFTF
C...	140	59.26.2100	10 nF	20%	16V, Sel
C...	141	59.26.2100	10 nF	20%	16V, Sel
C...	142	59.34.4181	180 pF	5%	Cat
C...	143	59.26.2100	10 nF	20%	16V, Sel
C...	144	59.26.2100	10 nF	20%	16V, Sel
C...	145	59.22.3471	470 nF	20%	6.3V, EI
C...	146	59.26.2399	3.3 nF	20%	16V, Sel
C...	147	59.06.0104	100 nF	10%	63V PFTF
C...	148	59.06.0104	100 nF	10%	63V PFTF
C...	149	59.26.2399	3.3 nF	20%	16V, Sel
C...	150	59.22.3101	10 nF	20%	6.3V, EI
C...	151	59.22.3101	10 nF	20%	6.3V, EI
D...	200	50.04.1117	12 V Z	BZX 55 C12	ITT-Met-Pb-Te-Tho
D...	201	50.04.1109	20 V Z	BZX 55 C20	ITT-Met-Pb-Te-Tho
IC...	01	50.09.0106	NE555DM	NE555DM	Da-Silv-Be
IC...	02	50.09.0112	LM13700B	NE5517B, KR13600CP	Da-Silv-Be

STUDER (00) 90/05/30 BBT REPRODUCE PREAMPLIFIER 8 CH PL 1.820.808.83 PAGE 1

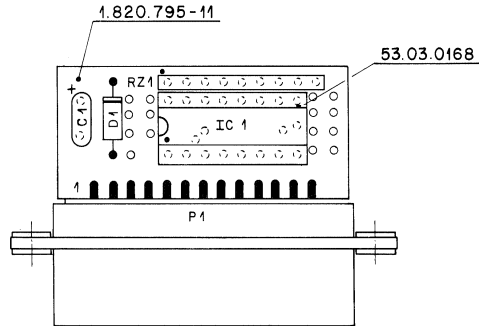
STUDER (00) 90/05/30 BBT REPRODUCE PREAMPLIFIER 8 CH PL 1.820.808.83 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC...	03	50.09.0106	NE555DM	NE555DM	Da-Silv-Be
IC...	04	50.09.0112	LM13700B	NE5517B, KR13600CP	Da-Silv-Be
IC...	05	50.09.0106	NE555DM	NE555DM	Da-Silv-Be
IC...	06	50.09.0112	LM13700B	NE5517B, KR13600CP	Da-Silv-Be
IC...	07	50.09.0106	NE555DM	NE555DM	Da-Silv-Be
IC...	08	50.09.0112	LM13700B	NE5517B, KR13600CP	Da-Silv-Be
IC...	09	50.09.0107	IC4559B	IC4559	NEC-He
IC...	201	50.09.0106	TL431CLP		Met-TI
J...	01	54.13.0003	2S CONT.	D-TYPE, AMP NR. 164 802-1	
L...	01	62.01.0128	1 mH	10%	Del-Gow
L...	02	62.01.0128	1 mH	10%	Del-Gow
L...	03	62.01.0128	1 mH	10%	Del-Gow
L...	04	62.01.0128	1 mH	10%	Del-Gow
L...	05	62.01.0128	1 mH	10%	Del-Gow
L...	06	62.01.0128	1 mH	10%	Del-Gow
L...	07	62.01.0128	1 mH	10%	Del-Gow
L...	08	62.01.0128	1 mH	10%	Del-Gow
L...	09	62.01.0128	1 mH	10%	Del-Gow
L...	10	62.01.0128	1 mH	10%	Del-Gow
L...	11	62.01.0128	1 mH	10%	Del-Gow
L...	12	62.01.0128	1 mH	10%	Del-Gow
L...	13	62.01.0128	1 mH	10%	Del-Gow
L...	14	62.01.0128	1 mH	10%	Del-Gow
F...	01	54.13.0013	2S cont.	D-Type, AMP NR. 164 494-1	
G...	01	50.03.0516	BC 397 E	BC 109 C	Si
G...	02	50.03.0516	BC 397 E	BC 109 C	Si
G...	03	50.03.0516	BC 397 E	BC 109 C	Si
G...	04	50.03.0516	BC 397 E	BC 109 C	Si
G...	05	50.03.0516	BC 397 E	BC 109 C	Si
G...	06	50.03.0516	BC 397 E	BC 109 C	Si

STUDER (00) 90/05/30 BBT REPRODUCE PREAMPLIFIER 8 CH PL 1.820.808.83 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
G...	07	50.03.0516	BC 397 E	BC 109 C	Si
G...	08	50.03.0516	BC 397 E	BC 109 C	Si
G...	09	50.03.0516	BC 397 E	BC 109 C	Si
G...	10	50.03.0516	BC 397 E	BC 109 C	Si
G...	11	50.03.0516	BC 397 E	BC 109 C	Si
G...	12	50.03.0			

HEAD ASSEMBLY IDENTIFIER PCB 1.820.795.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	IC....1	50.06.0251		SN 74 LS 251 N	TI
	D....1	50.04.0512	1N 5818	1N 5819,	Mot
	C....1	59.26.0470	47 uF	20%, 6.3V, Sal	Ph
	RZ....1	57.88.4332	8 *3.3K	5%, SINGLE LINE	
	P....1	54.13.1003	D-TYPE	25 POL. LOET	ITT,TRW

Sal=Solid aluminium

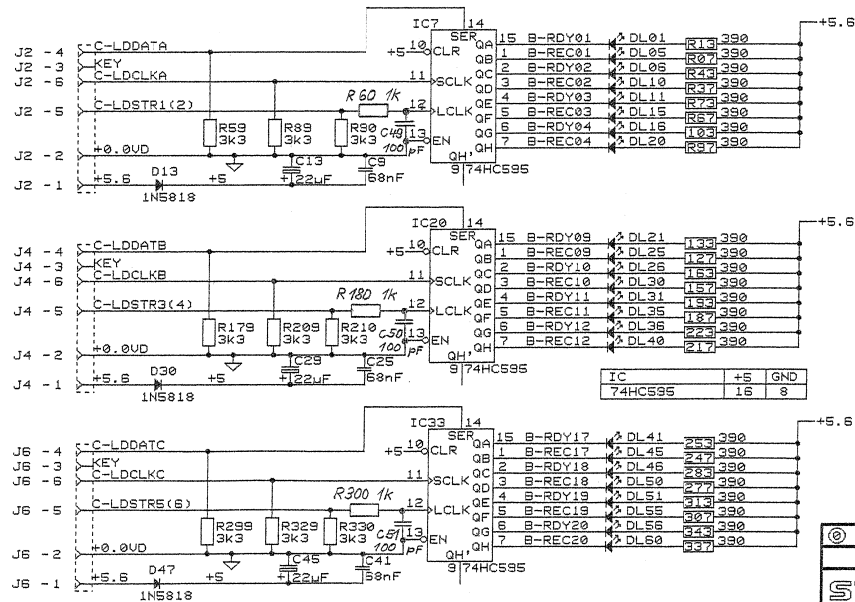
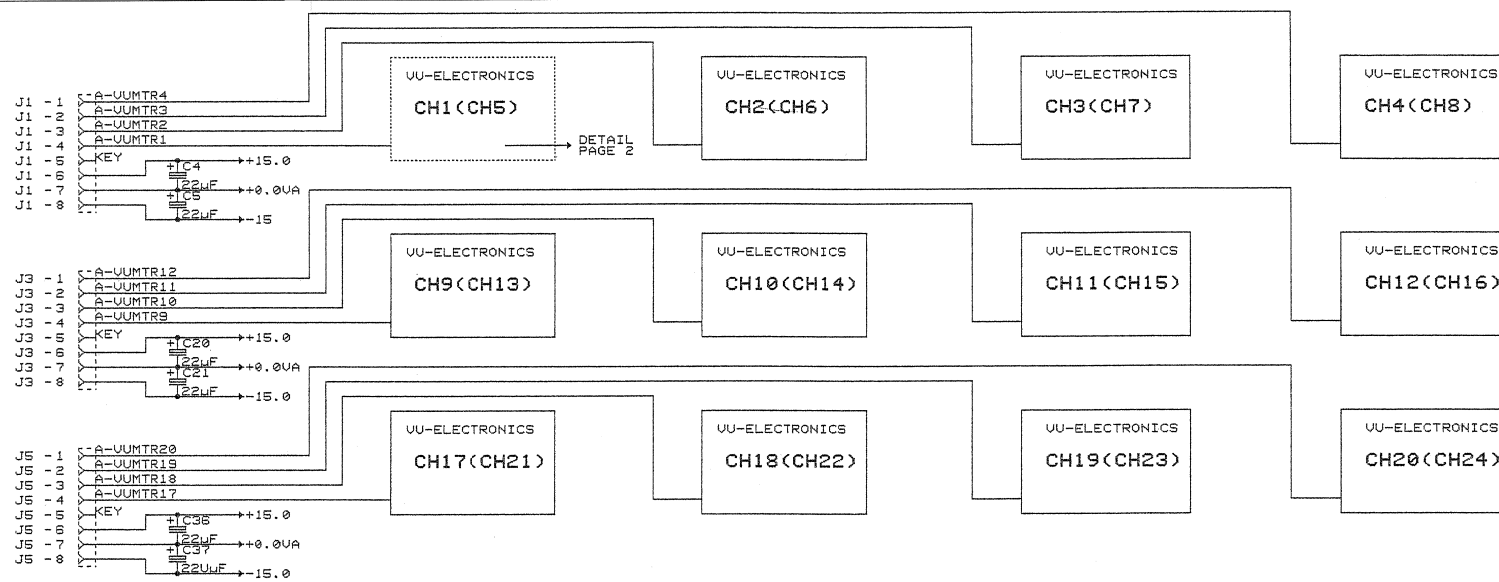
Manufacturer: ITT=Intermetall, Mot=Motorola, Ph=Philips, St=Studer,
TI=Texas Instrument, TRW=TRW

ORIG 84/05/03

S T U D E R (00) 84/05/03 WE HEAD ASSY IDENTIFIER BOARD PL 1.820.795.00 PAGE 1



VU-PANEL BOARD MCH 1.827.770.00 / 81

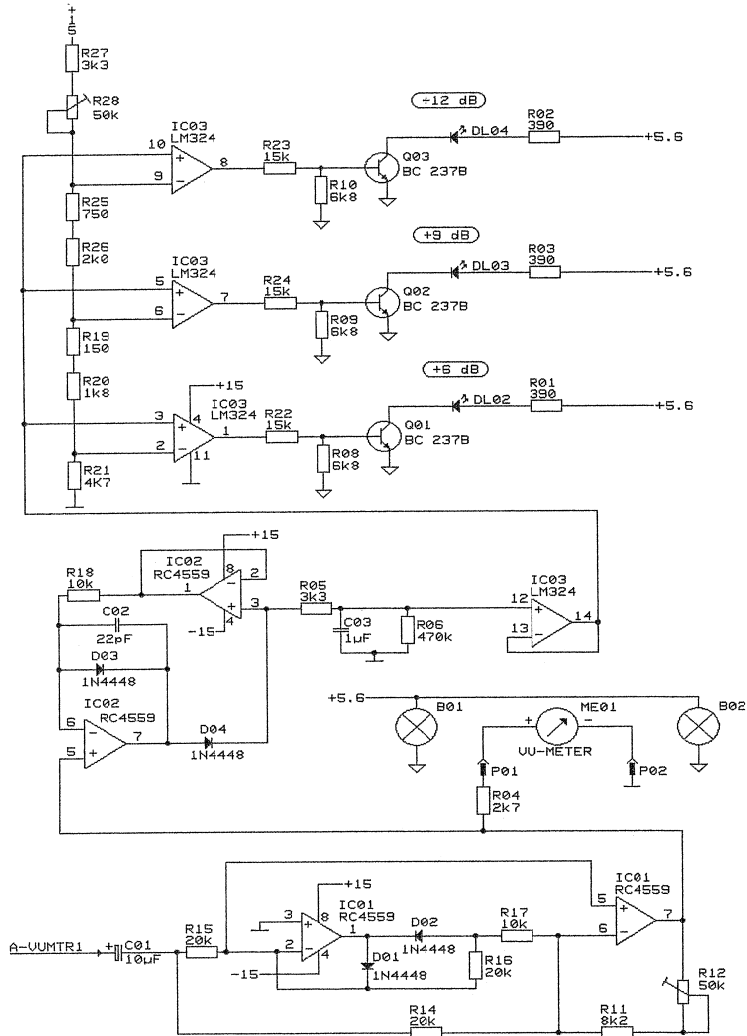


Conversion Table CH1 to CH2..CH24

on Page 2

CH1 (CH5)	CH2 (CH6)	CH3 (CH7)	CH4 (CH8)	CH9 (CH13)	CH10 (CH14)	CH11 (CH15)	CH12 (CH16)	CH17 (CH21)	CH18 (CH22)	CH19 (CH23)	CH20 (CH24)
C01	C06	C10	C14	C17	C22	C26	C30	C33	C38	C42	C46
C02	C07	C11	C15	C18	C23	C27	C31	C34	C39	C43	C47
C03	C08	C12	C16	C19	C24	C28	C32	C35	C40	C44	C48
D01	D05	D09	D14	D18	D22	D26	D31	D35	D39	D43	D48
D04	D08	D12	D17	D21	D25	D29	D34	D38	D42	D46	D51
DL01	DL05	DL11	DL16	DL21	DL26	DL31	DL36	DL41	DL46	DL51	DL56
DL05	DL10	DL15	DL20	DL25	DL30	DL35	DL40	DL45	DL50	DL55	DL60
IC01	IC04	IC08	IC11	IC14	IC17	IC21	IC24	IC27	IC30	IC34	IC37
IC02	IC05	IC09	IC12	IC15	IC18	IC22	IC25	IC28	IC31	IC35	IC38
IC03	IC06	IC10	IC13	IC16	IC19	IC23	IC26	IC29	IC32	IC36	IC39
Q01	Q04	Q07	Q10	Q13	Q16	Q19	Q22	Q25	Q28	Q31	Q34
Q02	Q05	Q08	Q11	Q14	Q17	Q20	Q23	Q26	Q29	Q32	Q35
Q03	Q06	Q09	Q12	Q15	Q18	Q21	Q24	Q27	Q30	Q33	Q36
R01	R31	R51	R91	R121	R151	R181	R211	R241	R271	R301	R331
R28	R58	R88	R118	R148	R178	R208	R238	R268	R298	R328	R358

Example: R28 on CH1 corresponds to R235 on CH16

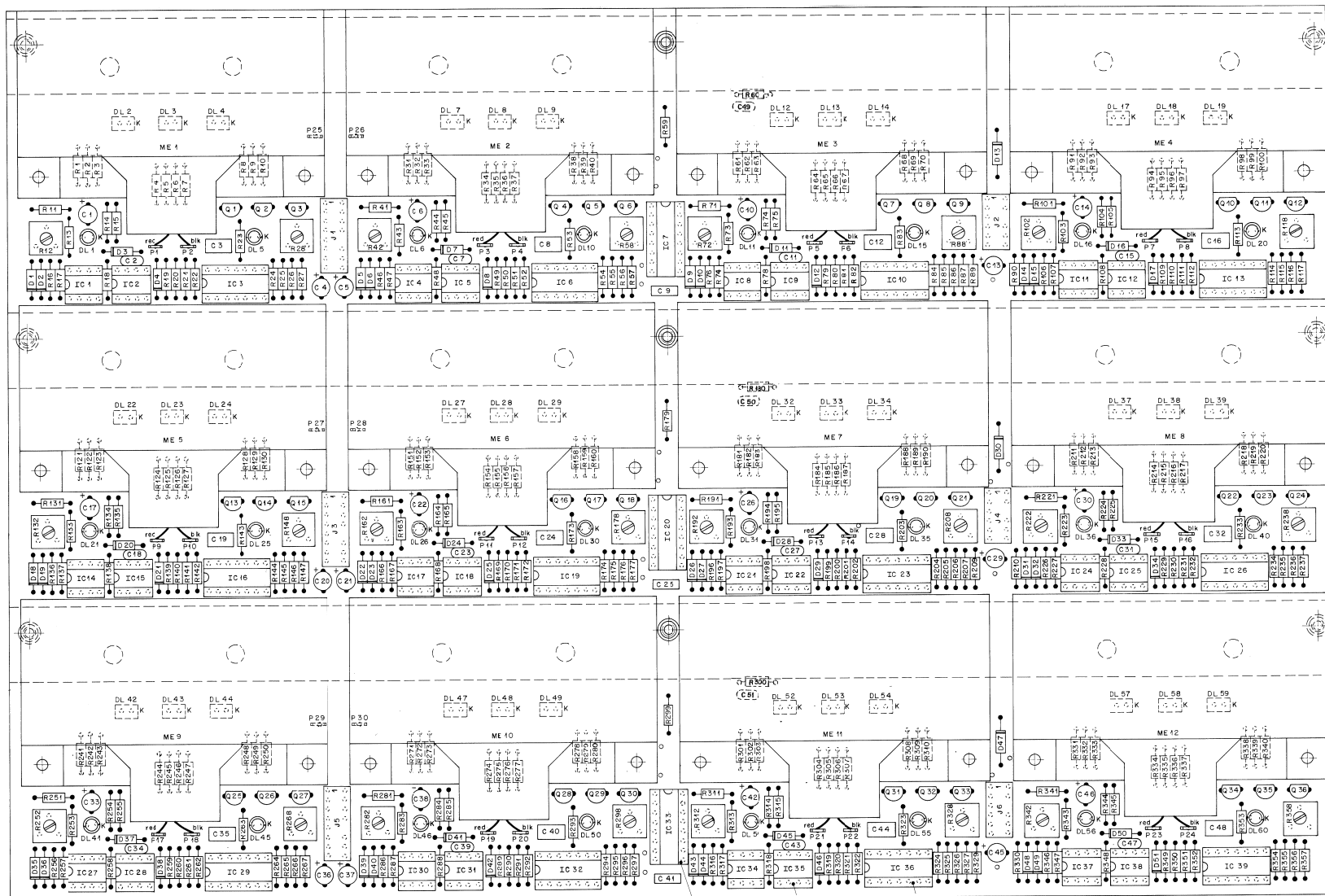


00: R60/R180 R300/C49 C50 and C51 are missing

© 12.06.95 DS				
	A 827	ASY8	GR1 (GR2)	PAGE 2 OF 2
STUDER	UU-PANEL BOARD MCH		SCH	1.827.770-81



VU-PANEL BOARD MCH 1.827.770.00



53.03.0168(3x) 53.03.0166 (24x) 53.03.0167 (12x)



VU-PANEL BOARD MCH 1.827.770.81

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...	141	07-11-3472	4.7 kOhm	1% 0.25W HF		R...	256	07-11-3209	20 kOhm	1% 0.25W HF		XIC...	10	03-03-0167	14-Pole	IC Socket	
R...	142	07-11-3507	10 kOhm	1% 0.25W HF		R...	257	07-11-3103	10 kOhm	1% 0.25W HF		XIC...	13	03-03-0166	8-Pole	IC Socket	
R...	143	07-11-3153	10 kOhm	1% 0.25W HF		R...	258	07-11-3109	10 kOhm	1% 0.25W HF		XIC...	12	03-03-0166	8-Pole	IC Socket	
R...	144	07-11-3150	10 kOhm	1% 0.25W HF		R...	259	07-11-3281	100 Ohm	1% 0.25W HF		XIC...	13	03-03-0167	14-Pole	IC Socket	
R...	145	07-11-3701	750 Ohm	1% 0.25W HF		R...	260	07-11-3192	1.0 kOhm	1% 0.25W HF		XIC...	14	03-03-0166	8-Pole	IC Socket	
R...	146	07-11-3302	2.0 kOhm	1% 0.25W HF		R...	261	07-11-3472	4.7 kOhm	1% 0.25W HF		XIC...	15	03-03-0167	14-Pole	IC Socket	
R...	147	07-11-3332	3.0 kOhm	1% 0.25W HF		R...	262	07-11-3120	10 kOhm	1% 0.25W HF		XIC...	16	03-03-0167	14-Pole	IC Socket	
R...	148	06-01-8503	50 kOhm	10% 0.5 W PCERM		R...	263	07-11-3103	10 kOhm	1% 0.25W HF		XIC...	17	03-03-0166	8-Pole	IC Socket	
R...	151	07-11-3391	390 Ohm	1% 0.25W HF		R...	264	07-11-3153	10 kOhm	1% 0.25W HF		XIC...	18	03-03-0166	8-Pole	IC Socket	
R...	152	07-11-3391	390 Ohm	1% 0.25W HF		R...	265	07-11-3202	2.0 kOhm	1% 0.25W HF		XIC...	19	03-03-0167	14-Pole	IC Socket	
R...	153	07-11-3372	2.7 kOhm	1% 0.25W HF		R...	266	07-11-3202	2.0 kOhm	1% 0.25W HF		XIC...	22	03-03-0166	8-Pole	IC Socket	
R...	155	07-11-3332	3.0 kOhm	1% 0.25W HF		R...	268	06-01-8503	50 kOhm	10% 0.5 W PCERM		XIC...	22	03-03-0166	8-Pole	IC Socket	
R...	156	07-11-3391	390 Ohm	1% 0.25W HF		R...	272	07-11-3391	390 Ohm	1% 0.25W HF		XIC...	24	03-03-0166	8-Pole	IC Socket	
R...	158	07-11-3474	470 kOhm	1% 0.25W HF		R...	273	07-11-3391	390 Ohm	1% 0.25W HF		XIC...	25	03-03-0166	8-Pole	IC Socket	
R...	159	07-11-3482	6.8 kOhm	1% 0.25W HF		R...	274	07-11-3272	2.7 kOhm	1% 0.25W HF		XIC...	26	03-03-0167	14-Pole	IC Socket	
R...	160	07-11-3482	6.8 kOhm	1% 0.25W HF		R...	275	07-11-3391	390 Ohm	1% 0.25W HF		XIC...	27	03-03-0166	8-Pole	IC Socket	
R...	161	07-11-3482	6.8 kOhm	1% 0.25W HF		R...	276	07-11-3474	470 kOhm	1% 0.25W HF		XIC...	28	03-03-0166	8-Pole	IC Socket	
R...	162	06-01-8503	50 kOhm	10% 0.5 W PCERM		R...	277	07-11-3391	390 Ohm	1% 0.25W HF		XIC...	29	03-03-0167	14-Pole	IC Socket	
R...	163	07-11-3391	390 Ohm	1% 0.25W HF		R...	278	07-11-3482	6.8 kOhm	1% 0.25W HF		XIC...	30	03-03-0166	8-Pole	IC Socket	
R...	164	07-11-3203	20 kOhm	1% 0.25W HF		R...	279	07-11-3482	6.8 kOhm	1% 0.25W HF		XIC...	31	03-03-0167	14-Pole	IC Socket	
R...	165	07-11-3203	20 kOhm	1% 0.25W HF		R...	280	07-11-3482	6.8 kOhm	1% 0.25W HF		XIC...	32	03-03-0167	14-Pole	IC Socket	
R...	166	07-11-3203	20 kOhm	1% 0.25W HF		R...	281	07-11-3202	2.0 kOhm	1% 0.25W HF		XIC...	33	03-03-0166	8-Pole	IC Socket	
R...	167	07-11-3103	10 kOhm	1% 0.25W HF		R...	282	06-01-8503	50 kOhm	10% 0.5 W PCERM		XIC...	34	03-03-0166	8-Pole	IC Socket	
R...	168	07-11-3103	10 kOhm	1% 0.25W HF		R...	283	07-11-3203	20 kOhm	1% 0.25W HF		XIC...	36	03-03-0167	14-Pole	IC Socket	
R...	169	07-11-3103	10 kOhm	1% 0.25W HF		R...	284	07-11-3203	20 kOhm	1% 0.25W HF		XIC...	37	03-03-0166	8-Pole	IC Socket	
R...	170	07-11-3162	1.0 kOhm	1% 0.25W HF		R...	285	07-11-3203	20 kOhm	1% 0.25W HF		XIC...	38	03-03-0166	8-Pole	IC Socket	
R...	171	07-11-3472	4.7 kOhm	1% 0.25W HF		R...	286	07-11-3203	20 kOhm	1% 0.25W HF		XIC...	39	03-03-0167	14-Pole	IC Socket	
R...	172	07-11-3153	10 kOhm	1% 0.25W HF		R...	287	07-11-3103	10 kOhm	1% 0.25W HF							
R...	173	07-11-3153	10 kOhm	1% 0.25W HF		R...	288	07-11-3103	10 kOhm	1% 0.25W HF							
R...	174	07-11-3153	10 kOhm	1% 0.25W HF		R...	289	07-11-3103	10 kOhm	1% 0.25W HF							
R...	175	07-11-3701	750 Ohm	1% 0.25W HF		R...	290	07-11-3162	1.0 kOhm	1% 0.25W HF							
R...	176	07-11-3402	2.0 kOhm	1% 0.25W HF		R...	291	07-11-3472	4.7 kOhm	1% 0.25W HF							
R...	177	07-11-3332	3.0 kOhm	1% 0.25W HF		R...	292	07-11-3153	10 kOhm	1% 0.25W HF							
R...	178	06-01-8503	50 kOhm	10% 0.5 W PCERM		R...	293	07-11-3103	10 kOhm	1% 0.25W HF							
R...	179	07-11-3332	3.0 kOhm	1% 0.25W HF		R...	294	07-11-3153	10 kOhm	1% 0.25W HF							

B T U D E R (00) 95/04/25 GP VU PANEL BOARD 24-CH PL 1.827.770.81 PAGE 13 B T U D E R (00) 95/04/25 GP VU PANEL BOARD 24-CH PL 1.827.770.81 PAGE 14 B T U D E R (00) 95/04/25 GP VU PANEL BOARD 24-CH PL 1.827.770.81 PAGE 15

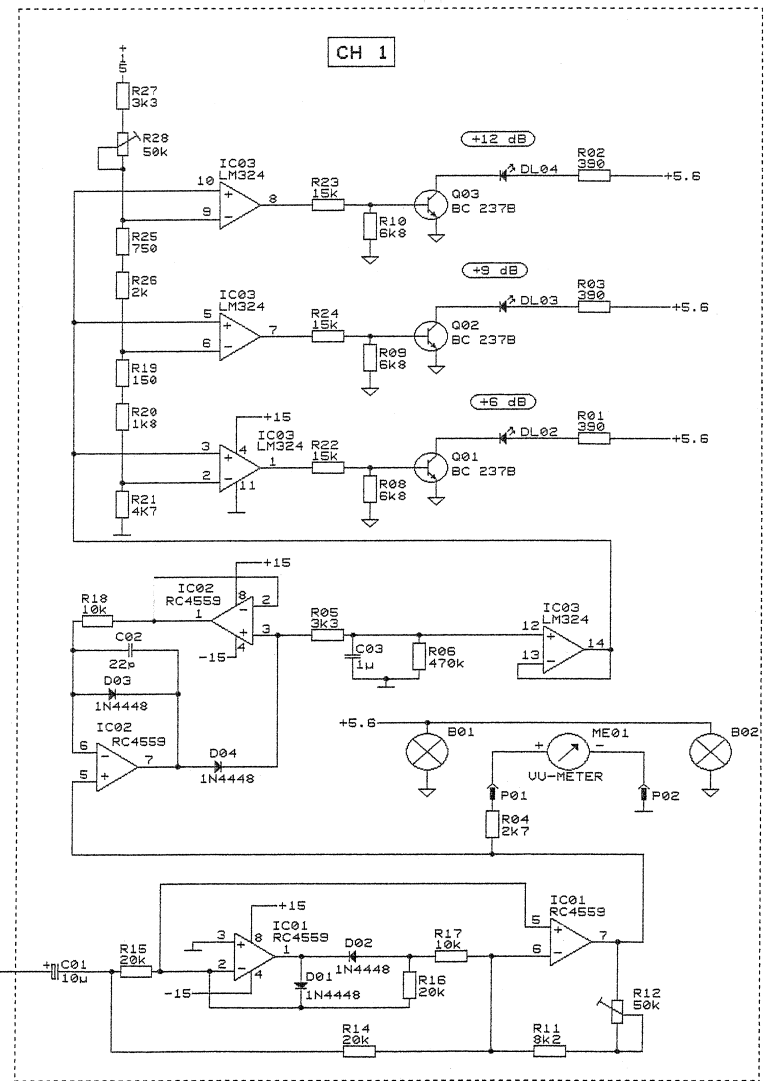
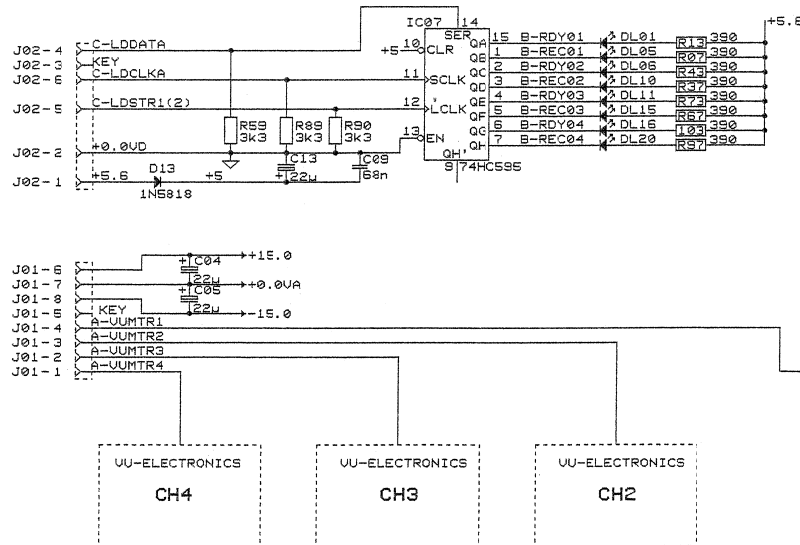
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R...	180	07-11-3102	1.0 kOhm	1% 0.25W HF		R...	295	07-11-3161	750 Ohm	1% 0.25W HF							
R...	181	07-11-3391	390 Ohm	1% 0.25W HF		R...	296	07-11-3202	2.0 kOhm	1% 0.25W HF							
R...	182	07-11-3391	390 Ohm	1% 0.25W HF		R...	297	07-11-3202	2.0 kOhm	1% 0.25W HF							
R...	183	07-11-3391	390 Ohm	1% 0.25W HF		R...	298	06-01-8503	50 kOhm	10% 0.5 W PCERM							
R...	184	07-11-3272	2.7 kOhm	1% 0.25W HF		R...	299	07-11-3202	2.0 kOhm	1% 0.25W HF							
R...	185	07-11-3202	2.0 kOhm	1% 0.25W HF		R...	300	07-11-3103	10 kOhm	1% 0.25W HF							
R...	186	07-11-3474	470 kOhm	1% 0.25W HF		R...	301	07-11-3391	390 Ohm	1% 0.25W HF							
R...	187	07-11-3391	390 Ohm	1% 0.25W HF		R...	302	07-11-3391	390 Ohm	1% 0.25W HF							
R...	188	07-11-3482	6.8 kOhm	1% 0.25W HF		R...	303	07-11-3391	390 Ohm	1% 0.25W HF							
R...	189	07-11-3482	6.8 kOhm	1% 0.25W HF		R...	304	07-11-3272	2.7 kOhm	1% 0.25W HF							
R...	191	07-11-3482	6.8 kOhm	1% 0.25W HF		R...	305	07-11-3202	2.0 kOhm	1% 0.25W HF							
R...	192	06-01-8503	50 kOhm	10% 0.5 W PCERM		R...	306	07-11-3474	470 kOhm	1% 0.25W HF							
R...	193	07-11-3391	390 Ohm	1% 0.25W HF		R...	307	07-11-3391	390 Ohm	1% 0.25W HF							
R...	194	07-11-3203	20 kOhm	1% 0.25W HF		R...	308	07-11-3482	6.8 kOhm	1% 0.25W HF							
R...	195	07-11-3203	20 kOhm	1% 0.25W HF		R...	309	07-11-3482	6.8 kOhm	1% 0.25W HF							
R...	196	07-11-3203	20 kOhm	1% 0.25W HF		R...	310	07-11-3482	6.8 kOhm	1% 0.25W HF							
R...	197	07-11-3103	10 kOhm	1% 0.25W HF		R...	311	07-11-3482	6.8 kOhm	1% 0.25W HF							
R...	198	07-11-3103	10 kOhm	1% 0.25W HF		R...	312	06-01-8503	50 kOhm	10% 0.5 W PCERM							
R...	199	07-11-3103	10 kOhm	1% 0.25W HF		R...	313	07-11-3391	390 Ohm	1% 0.25W HF							
R...	200	07-11-3162	1.0 kOhm	1% 0.25W HF		R...	314	07-11-3203	20 kOhm	1% 0.25W HF							
R...	201	07-11-3472	4.7 kOhm	1% 0.25W HF		R...	315	07-11-3203	20 kOhm	1% 0.25W HF							
R...	202	07-11-3153	10 kOhm	1% 0.25W HF		R...	317	07-11-3103	10 kOhm	1% 0.25W HF							
R...	203	07-11-3153	10 kOhm	1% 0.25W HF		R...	318	07-11-3103	10 kOhm	1% 0.25W HF							
R...	204	07-11-3153	10 kOhm	1% 0.25W HF		R...	319	07-11-3161	750 Ohm	1% 0.25W HF							
R...	205	07-11-3701	750 Ohm	1% 0.25W HF		R...	320	07-11-3103	10 kOhm	1% 0.25W HF							
R...	206	07-11-3202	2.0 kOhm	1% 0.25W HF		R...	321	07-11-3472	4.7 kOhm	1% 0.25W HF							
R...	207	07-11-3202	2.0 kOhm	1% 0.25W HF		R...	322	07-11-3103	10 kOhm	1% 0.25W HF							
R...	208	06-01-8503	50 kOhm	10% 0.5 W PCERM		R...	323	07-11-3153	10 kOhm	1% 0.25W HF							
R...	209	07-11-3332	3.0 kOhm	1% 0.25W HF		R...	324	07-11-3153	10 kOhm	1% 0.25W HF							
R...	210	07-11-3392	3.9 kOhm	1% 0.25W HF		R...	325	07-11-3701	750 Ohm	1% 0.25W HF							
R...	211	07-11-3391	390 Ohm	1% 0.25W HF		R...	326	07-11-3202	2.0 kOhm	1% 0.25W HF							
R...	212	07-11-3391	390 Ohm	1% 0.25W HF		R...	327	07-11-3202	2.0 kOhm	1% 0.25W HF							
R...	213	07-11-3391	390 Ohm	1% 0.25W HF		R...	328	06-01-8503	50 kOhm	10% 0.5 W PCERM				</			

VU-PANEL BOARD 8 CH 1.827.774.00

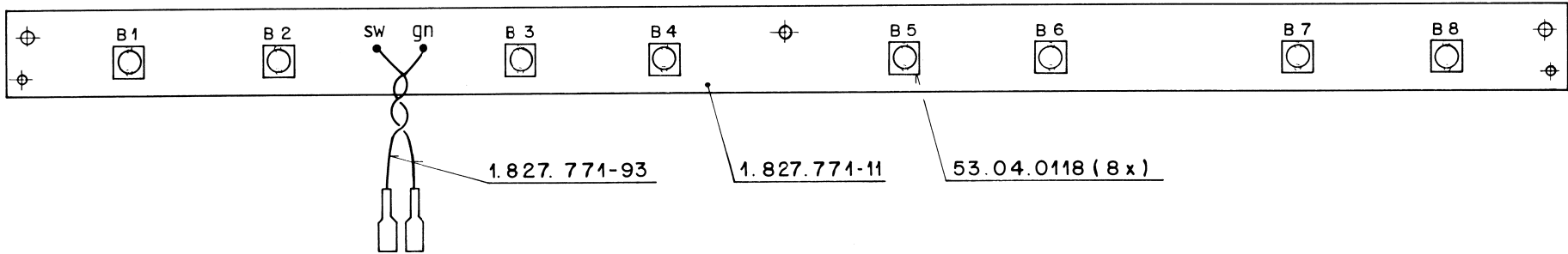
Conversion Table CH 1 to CH 2/3/4

CH 1	CH 2	CH 3	CH 4
C01	C06	C10	C14
C02	C07	C11	C15
C03	C08	C12	C16
D01	D05	D09	D14
D02	D06	D10	D15
D03	D07	D11	D16
D04	D08	D12	D17
DL01..DL05	DL06..DL10	DL11..DL15	DL16..DL20
IC01	IC04	IC08	IC11
IC02	IC05	IC09	IC12
IC03	IC06	IC10	IC13
P01..P03	P05..P06	P07..P08	P09..P10
Q01..Q03	Q04..Q06	Q07..Q09	Q10..Q12
R01..R30	R31..R50	R51..R90	R91..R120

Example: R14 on CH 1 corresponds to R74 on CH 3

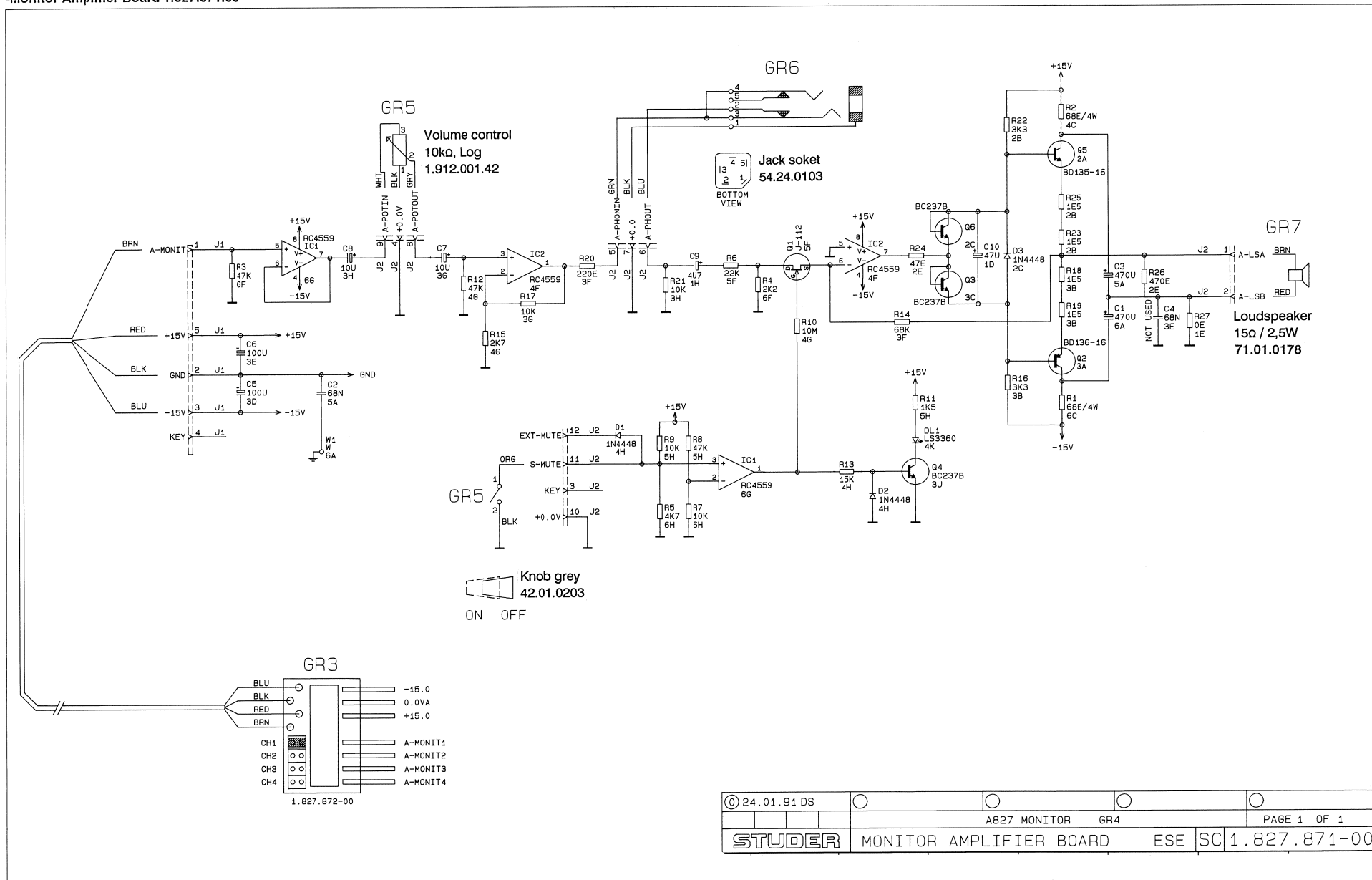


VU-ILLUMINATION UNIT 1.827.771.00



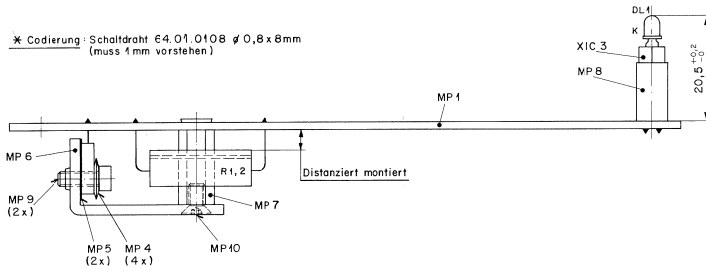
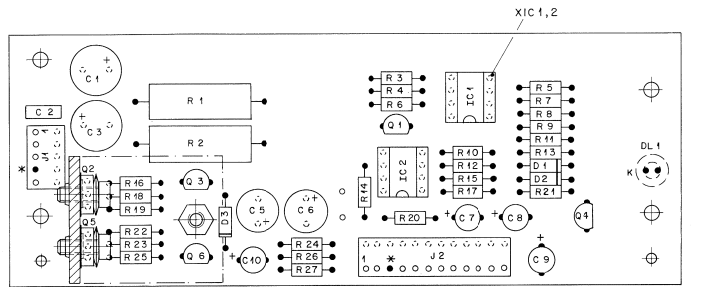
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MARK.
B....1		51.02.0144	6 V	0.03 A	Bulb
B....2		51.02.0144	6 V	0.03 A	Bulb
B....3		51.02.0144	6 V	0.03 A	Bulb
B....4		51.02.0144	6 V	0.03 A	Bulb
B....5		51.02.0144	6 V	0.03 A	Bulb
B....6		51.02.0144	6 V	0.03 A	Bulb
B....7		51.02.0144	6 V	0.03 A	Bulb
B....8		51.02.0144	6 V	0.03 A	Bulb
MP....1	1.827.771.10		1 pc*	Ke-Label	
MP....2	1.827.771.11		1 pc*	VU-ILLUMINATION PCB	
MP....3	1.827.771.93		1 pc*	LI- VU-ILLUMINATION	
XB....1	53.04.0118		W2 x 4.64	Bulb-Socket	
XB....2	53.04.0118		W2 x 4.64	Bulb-Socket	
XB....3	53.04.0118		W2 x 4.64	Bulb-Socket	
XB....4	53.04.0118		W2 x 4.64	Bulb-Socket	
XB....5	53.04.0118		W2 x 4.64	Bulb-Socket	
XB....6	53.04.0118		W2 x 4.64	Bulb-Socket	
XB....7	53.04.0118		W2 x 4.64	Bulb-Socket	
XB....8	53.04.0118		W2 x 4.64	Bulb-Socket	

LCU PANEL WITH MONITOR 1.827.460.00
 -Monitor Amplifier Board 1.827.871.00



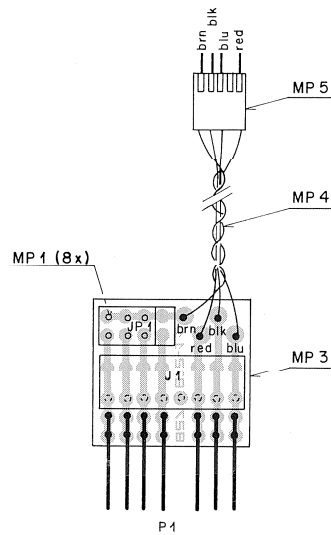


MONITOR AMPLIFIER BOARD 1.827.871.00



Ad	POS	REF.No	DESCRIPTION	MANUFACTURER
C....1	59.22.4471	470u	16V,-20/+50%, EL	
C....2	59.06.0683	68n	63V, 10%, PETP	
C....3	59.22.4471	470u	16V,-20/+50%, EL	
C....4	00.00.0000		not used	
C....5	59.22.5101	100u	25V,-20/+50%, EL	
C....6	59.22.5101	100u	25V,-20/+50%, EL	
C....7	59.22.6100	10u	35V,-20/+50%, EL	
C....8	59.22.6100	10u	35V,-20/+50%, EL	
C....9	59.22.9479	4u7	50V,-20/+50%, EL	
C....10	59.22.3470	47u	10V,-20/+50%, EL	
D....1	50.04.0125	1M4448	50 V Si	
D....2	50.04.0125	1M4448	50 V Si	
D....3	50.04.0125	1M4448	50 V Si	
DL....1	50.04.2129	LS3360	LED 3 mm red dif.	Sie
IC....1	50.09.0107	RC4559	Dual Linear OpAmp	
IC....2	50.09.0107	RC4559	Dual Linear OpAmp	
J....1	54.01.0288	5-pin	CIS-Connector Top-Entry	AMP
J....2	54.01.0215	12-pin	CIS-Connector Top-Entry	AMP
MP...1	1.827.871.11	1 pce	MONITOR AMPLIFIER PCB	ST
MP...2	1.827.871.10	0 pce	No. Label	ST
MP...3	43.01.0108	1 pce	ESE Warning Label	ST
MP...4	37.01.0101	4 pcs	Washer D3.2 / 8 * 0.3	ST
MP...5	50.20.0310	2 pcs	Transistor Insulation TO 126	ST
MP...6	1.177.755.01	1 pce	Heat Sink	ST
MP...7	1.010.046.22	1 pce	Rivet Nut M3 * 14.5 mm	ST
MP...8	1.827.770.02	1 pce	LED Distance holder	ST
MP...9	21.53.0355	2 pcs	Screw M3 * 8 mm	ST
MP...10	1.010.045.21	1 pce	Screw M3 * 6 mm	ST
Q....1	50.03.0350	J-112	FET, T092-5	Mot 0
Q....2	50.03.0510	BD136-16	PNP, T0126-1	
Q....3	50.03.0436	BC237B	NPN, T092-1	
Q....4	50.03.0436	BC237B	NPN, T092-1	
Q....5	50.03.0495	BD135-16	PNP, T0126-1	
Q....6	50.03.0436	BC237B	NPN, T092-1	
R....1	57.56.5680	68E	4W, 10%	
R....2	57.56.5680	68E	4W, 10%	
R....3	57.11.3473	47k	MF, 1%	
R....4	57.11.3222	21k	MF, 1%	
R....5	57.11.3472	47k	MF, 1%	
R....6	57.11.3223	22k	MF, 1%	
R....7	57.11.3103	10k	MF, 1%	
R....8	57.11.3473	47k	MF, 1%	
R....9	57.11.3103	10k	MF, 1%	
R....10	57.11.5106	10M	MF, 5%	
R....11	57.11.3152	1k5	MF, 1%	
R....12	57.11.3473	47k	MF, 1%	
R....13	57.11.3153	15k	MF, 1%	
R....14	57.11.3683	68k	MF, 1%	
R....15	57.11.3272	2k7	MF, 1%	
R....16	57.11.3332	3k3	MF, 1%	
R....17	57.11.3103	10k	MF, 1%	
R....18	57.11.3159	1E5	MF, 1%	
R....19	57.11.3159	1E5	MF, 1%	
R....20	57.11.3221	220E	MF, 1%	
R....21	57.11.3103	10k	MF, 1%	
R....22	57.11.3332	3k3	MF, 1%	
R....23	57.11.3159	1E5	MF, 1%	
R....24	57.11.3470	47E	MF, 1%	
R....25	57.11.3159	1E5	MF, 1%	
R....26	57.11.3471	470E	MF, 1%	
R....27	57.11.3000		0-Ohm RESISTOR	
XIC...1	53.03.0166	8-pin	IC-socket	
XIC...2	53.03.0166	8-pin	IC-socket	
XIC...3	53.03.0221	2-pin	LED-socket	
MF= Metal Film Si= Silicon EL= Electrolytic PETP= Polyester SAL= Solid Aluminum PP= Polypropylen				
MANUFACTURER: Mot= Motorola Sie= Siemens ST= STUDER				
1.827.871.00 MONITOR AMPLIFIER BOARD DS 90/05/2900				

INTERCONNECTION BOARD 1.827.872.00



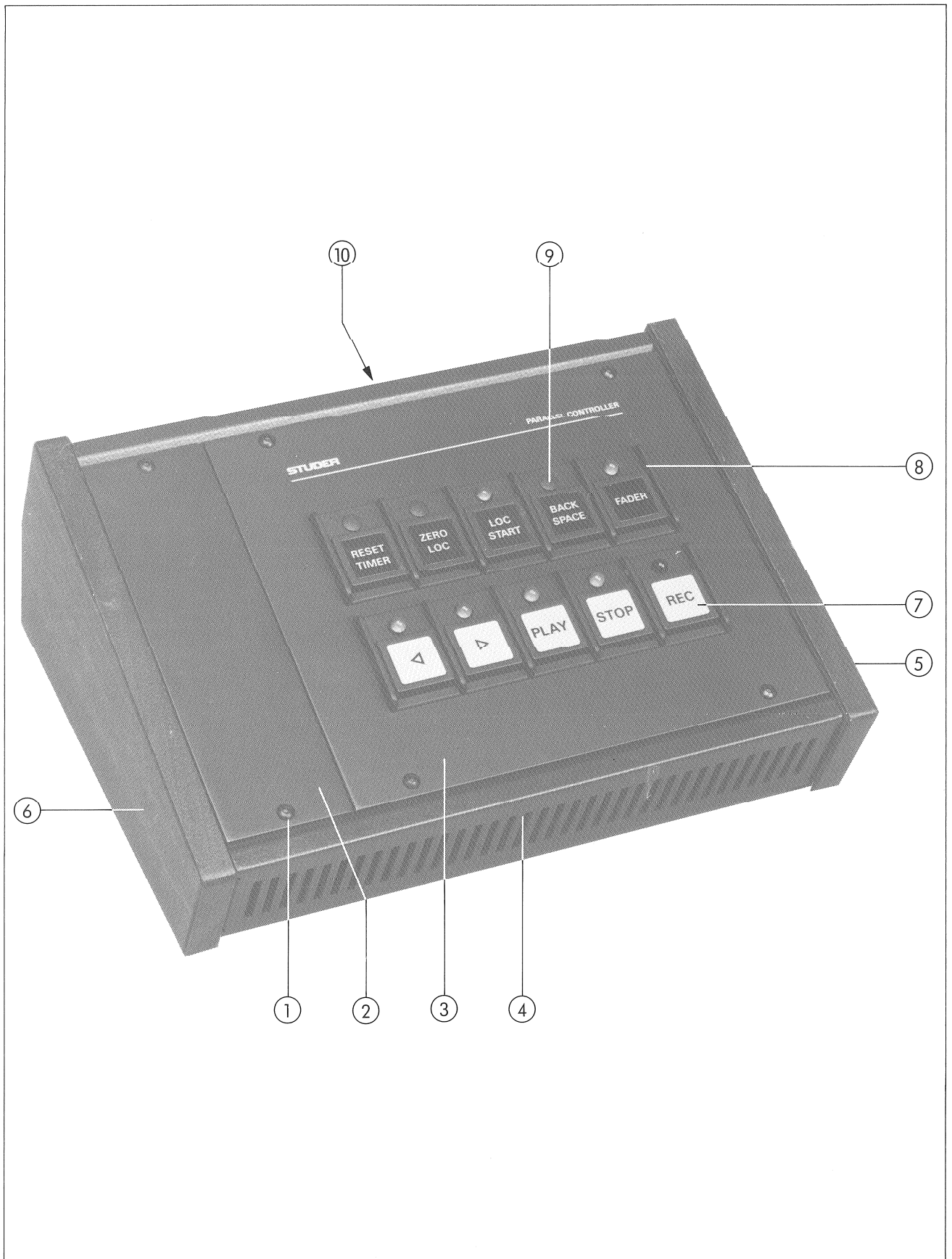
Ad	..POS..	...REF.No...	DESCRIPTION.....	MANUFACTURER
J....1	54.01.0262	8-pin	CIS Connector thru	
JP....1	54.01.0021		Bridge	
P....1	54.01.0428	8-pin	CIS Connector horiz. long	
MP....1	1.827.872.11	1 pce	INTERCONNECTION PCB	
MP....2	1.827.872.10	0 pce	Nr. Label	
MP....3	1.827.872.93	1 pce	Wiring List	
MP....4	54.01.0020	8 pcs	Contact Pin	
MP....5	54.01.0264	1 pce	CIS Case 5-pole	
	1.827.872.00		INTERCONNECTION BOARD	DS 90/03/2300

5 Accessories

■ = Electrostatically Sensitive Assembly

Contents		Page
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Varispeed Control Module	1.328.290.00	11
Varispeed Controller	1.328.280.00	17
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TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.00



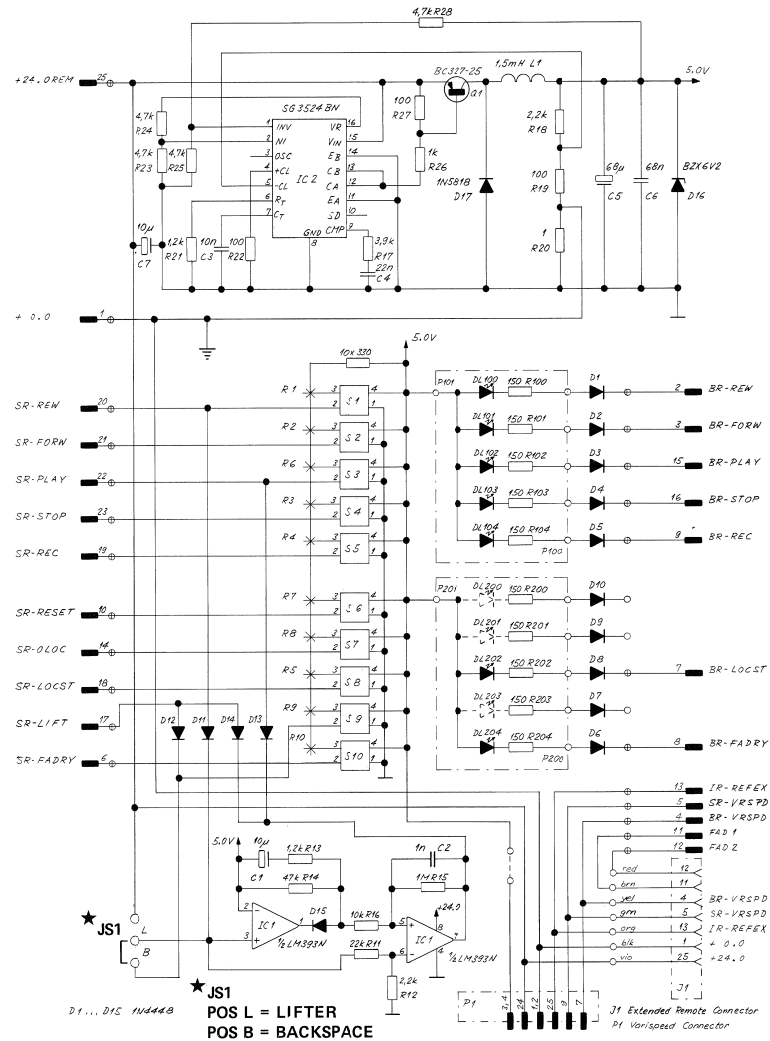
TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.00

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.250.00	Tape deck remote control cabinet (parallel)	
	1	1.328.251.00	TAPE DECK REMOTE CONTROL PCB	
	4	1.328.250.08	Hex stud bolt	
	4	1.010.025.21	Chees head allen screw	M3 × 6
	4	24.16.1030	Fin washer	D3,2 / 5,5
	4	23.01.1032	Washer	D3,2 / 6 × 0,5
1	6	1.010.025.21	Oval head allen screw	M3 × 6
2	1	1.328.250.05	Dummy plate	
3	1	1.328.250.03	Front cover	
4	1	1.820.921.00	Housing compl. (with pos. 5, 6, 10 and feet)	
	4	31.02.0211	Foot	
5	1	1.328.250.01	Side panel	right
	4	21.53.0454	Chees head allen screw	M4 × 6
	4	24.16.1040	Fin washer	D4,3 / 7
6	1	1.328.250.02	Side panel	left
	4	21.53.0454	Chees head allen screw	M4 × 6
	4	24.16.1040	Fin washer	D4,3 / 7
7	10	1.011.210.01	Push button	
	10		Self-adhesive labels: see page 71	
	10	1.010.202.37	Pressure spring	
8	2	1.810.300.03	Push button housing	
	2	1.810.300.06	Damping strip	
9	3	1.810.300.21	Plastic cover	
10	1	35.03.0120	Cable mounting support	
	1	21.51.8454	Oval head allen screw	M4 × 6
	1	24.16.1040	Fin washer	D4,3 / 7

Optional

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.254.00	Secondary (Pass through) 25-pin D-Connector	

TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.00
 -TAPE DECK REMOTE CONTROL PCB 1.328.251.00



1. 3. 85	Buschenger	...	...	...	...	PAGE 1 OF 1
STUDER	TAPE DECK REMOTE CONTROL	SC	1.328.251-00			

TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.00
 -TAPE DECK REMOTE CONTROL PCB 1.328.251.00

31.04.0103
 53.03.0168
 53.03.0166
 1.328.252-00
 23.01.1032
 28.31.0006
 35.03.0120
 JS1
 POS L = LIFTER
 POS B = BACKSPACE
 1.328.251-11
 1.810.735-12
 55.03.0262
 1.810.767-01
 Verschlüsse oben
 26

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
IC....1		50.05.0283	LK933N		MS/The:II
IC....2		50.05.0279	SS35248N		SG
JS....1				See note 1	
L.....1		1.022.197.00	1.5 mH		St
F....1		54.14.2009	26 cont.	See note 2	
F....100		54.01.0209	2 cont.	AMP Nr. 163.740-3	
F....101		54.01.0227	3 cont.	AMP Nr. 163.740-1	
F....200		54.01.0209	2 cont.	AMP Nr. 163.740-3	
F....201		54.01.0227	3 cont.	AMP Nr. 163.740-1	
G.....1		50.03.0351	RC327-25		ITT-Ph:Sa
R....1		57.11.4331	330 Ohm		
R....2		57.11.4331	330 Ohm		
R....3		57.11.4331	330 Ohm		
R....4		57.11.4331	330 Ohm		
R....5		57.11.4331	330 Ohm		
R....6		57.11.4331	330 Ohm		
R....7		57.11.4331	330 Ohm		
R....8		57.11.4331	330 Ohm		
R....9		57.11.4331	330 Ohm		
R....10		57.11.4331	330 Ohm		
R....11		57.11.4223	22 kOhm		
R....12		57.11.4222	2.2 kOhm		
R....13		57.11.4122	1.2 kOhm		
R....14		57.11.4472	47 kOhm		
R....15		57.11.4105	1 kOhm		
R....16		57.11.4922	15 kOhm		
R....17		57.11.4992	3.9 kOhm		
R....18		57.11.4222	2.2 kOhm		
R....19		57.11.4101	100 Ohm		
R....20		57.11.4109	100 Ohm		
R....21		57.11.4122	1.2 kOhm		
R....22		57.11.4101	100 Ohm		

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R....23		57.11.4472	4.7 kOhm		
R....24		57.11.4472	4.7 kOhm		
R....25		57.11.4472	4.7 kOhm		
R....26		57.11.4102	1 kOhm		
R....27		57.11.4101	100 Ohm		
R....28		57.11.4472	4.7 kOhm		
R....100		57.11.4151	150 Ohm		
R....101		57.11.4151	150 Ohm		
R....102		57.11.4151	150 Ohm		
R....103		57.11.4151	150 Ohm		
R....104		57.11.4151	150 Ohm		
R....200		57.11.4151	150 Ohm		
R....201		57.11.4151	150 Ohm		
R....202		57.11.4151	150 Ohm		
R....203		57.11.4151	150 Ohm		
R....204		57.11.4151	150 Ohm		
S....1				See note 3	
S....2				See note 3	
S....3				See note 3	
S....4				See note 3	
S....5				See note 3	
S....6				See note 3	
S....7				See note 3	
S....8				See note 3	
S....9				See note 3	
S....10				See note 3	

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.06.2130	10 uF	20%, 16V, Sal	Ph
C....2		59.06.2132	1 uF	2%, FTF	
C....3		59.05.1133	10 nF	1%	Ph
C....4		59.06.0203	22 nF	10%	FTF
C....5		59.06.0630	68 uF	20%, 6.3V, Sal	Ph
C....6		59.06.0639	68 nF	20%	FTF
C....7		59.22.6130	10 uF	-10%, 40V, El	
D....1		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....2		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....3		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....4		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....5		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....6		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....7		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....8		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....9		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....10		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....11		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....12		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....13		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....14		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....15		50.04.0125	1M4448		For:ITT-Ph-Saa/TF
D....16		50.04.1118	6.2 9' Z	NEK53C 6.2, NEK53C 6.2, ZFP 6.2	ITT-Saa
D....17		50.04.0512	18S818	18S819	Not
DL...100		50.04.2112	MW353	CM4-584B, HLMF-3401	CM:GI:HP
DL...101		50.04.2112	MW353	CM4-584B, HLMF-3401	CM:GI:HP
DL...102		50.04.2112	MW353	CM4-584B, HLMF-3401	CM:GI:HP
DL...103		50.04.2112	MW353	CM4-584B, HLMF-3401	CM:GI:HP
DL...104		50.04.2111	MW353	CM4-584B, HLMF-3401	CM:GI:HP
DL...200			not used		
DL...201			not used		
DL...202		50.04.2112	MW353	CM4-584B, HLMF-3401	CM:GI:HP
DL...203			not used		
DL...204		50.04.2112	MW353	CM4-584B, HLMF-3401	CM:GI:HP

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1	- Contact pin:	Studer	54.01.0020, 54.01.0021, 54.01.0022	Berg 75 160-102-06, Phillips 2422 026 BR003	
Note 2	- Connector:	Yamaichi	FAP-26-08/4	Buendly BPH 9 B 26 800 GS	
Note 3	- Switch:	Studer	55.03.0262, 55.03.0262	Rafil S.13001.110, Rafil S.55101.690	

MANUFACTURERS: CM=Chicago Miniatur, For:Pa:Schilb; General Electric, HP=Hewlett Packard, ITT=Intermetall, Mot=Motorola, MS=National Semiconductor, Ph=Phillips, Saa=Saeco, SG=Siemens General, Si=Siemens, St=Studer, Tho=Thomson, TF=Texas Instruments, T=Telefunken.

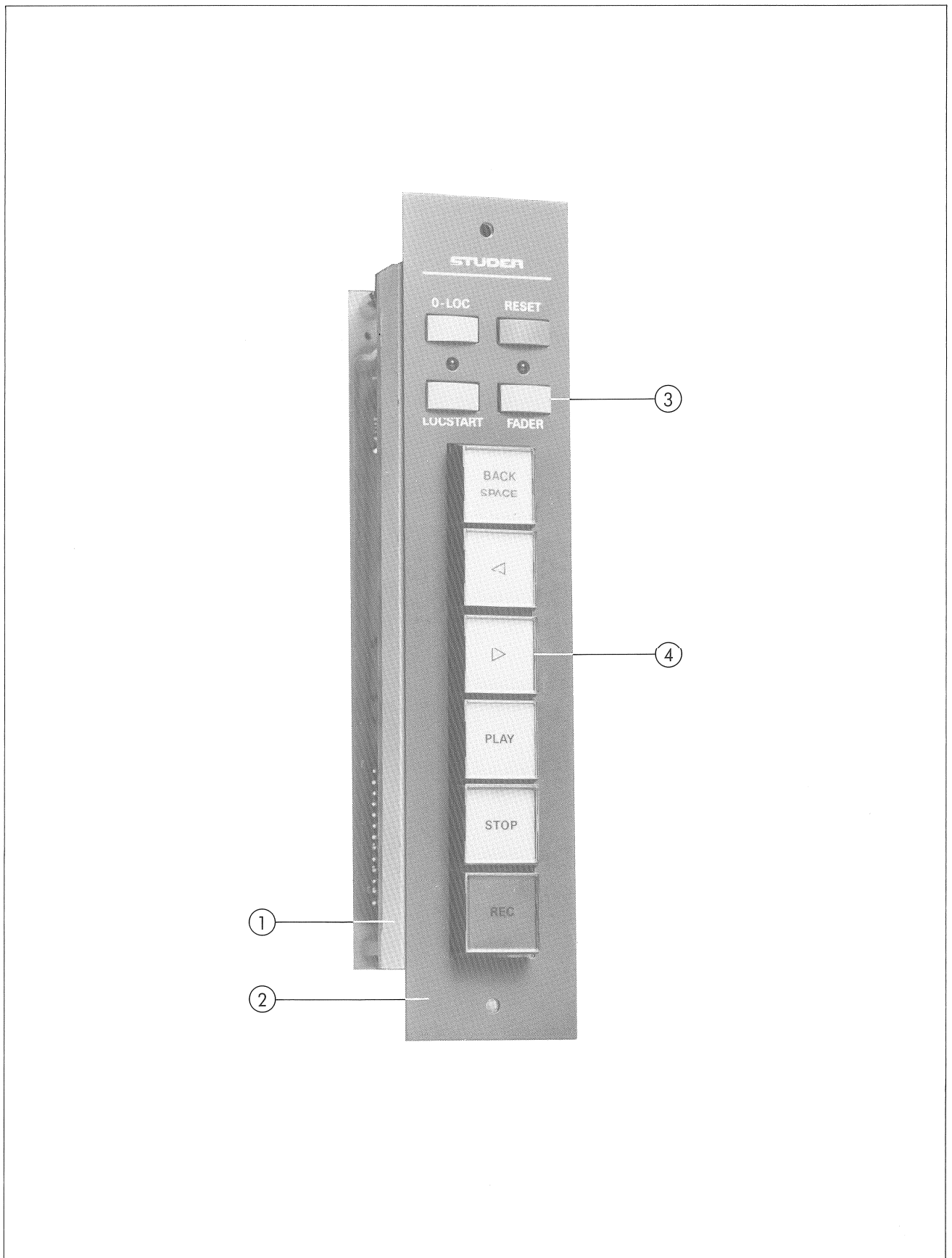
STUDER (00) 85/03/01 PB TAPE DECK REMOTE CONTROL PL 1.328.251.00 PAGE 1

STUDER (00) 85/03/01 PB TAPE DECK REMOTE CONTROL PL 1.328.251.00 PAGE 2

STUDER (00) 85/03/01 PB TAPE DECK REMOTE CONTROL PL 1.328.251.00 PAGE 3

STUDER (00) 85/03/01 PB TAPE DECK REMOTE CONTROL PL 1.328.251.00 PAGE 4

TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.00



TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.00

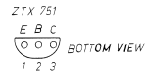
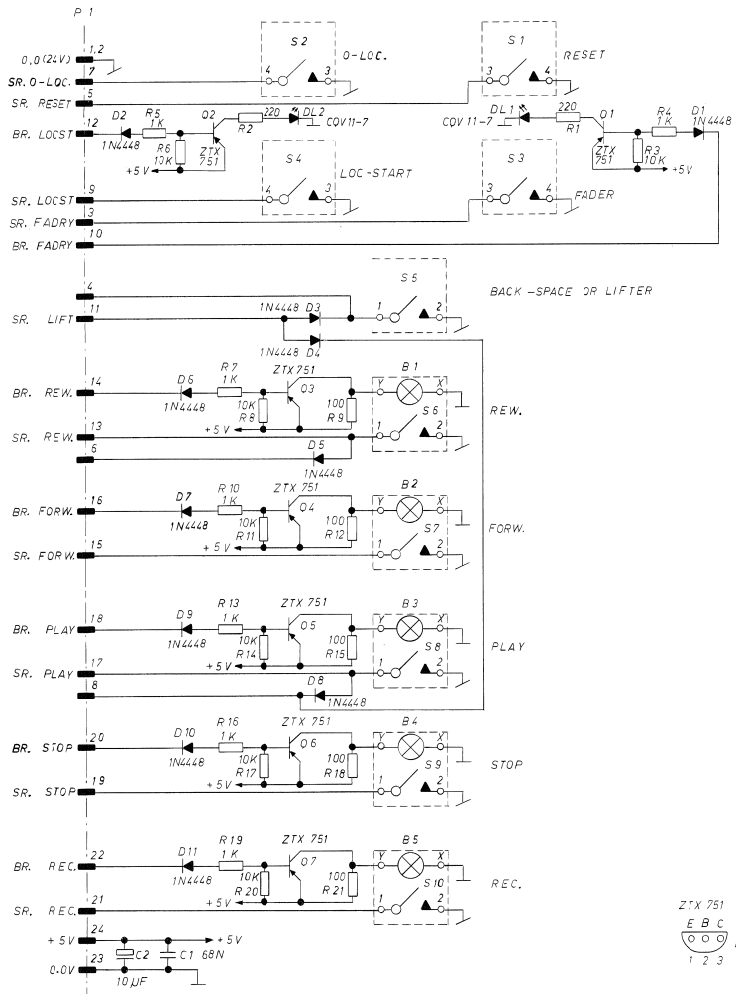
Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.255.00	Tape deck remote control module (parallel)	
	1	1.328.256.00	PUSH BUTTON PCB	
	1	1.328.257.00	CONNECTOR PCB	
	4	1.010.110.27	Hex stud bolt	
	4	21.53.0354	Chees head allen screw	M3 × 6
	4	24.16.1030	Fin washer	D3,2 / 5,5
	4	23.01.1032	Washer	D3,2 / 6 × 0,5
1	1	1.328.255.01	Support	
2	1	1.328.255.02	Front cover	
3	1	55.15.0122	Push button	red
	3	55.15.0128	Push button	grey
4	1	55.15.0201	Push button cover	concave
	5	55.15.0202	Push button cover	flat
	1	55.15.0212	Diffusing screen	red
	5	55.15.0221	Diffusing screen	white
	6	55.15.0228	Push button housing	
	6		labels: see page 71	

Connecting cables

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.295.00	Direct connection to machine (15m) 25-pin	
	1	1.023.102.03	Flat cable (0,3m) to add a varispeed module 1.328.280.00 or 1.328.290.00	

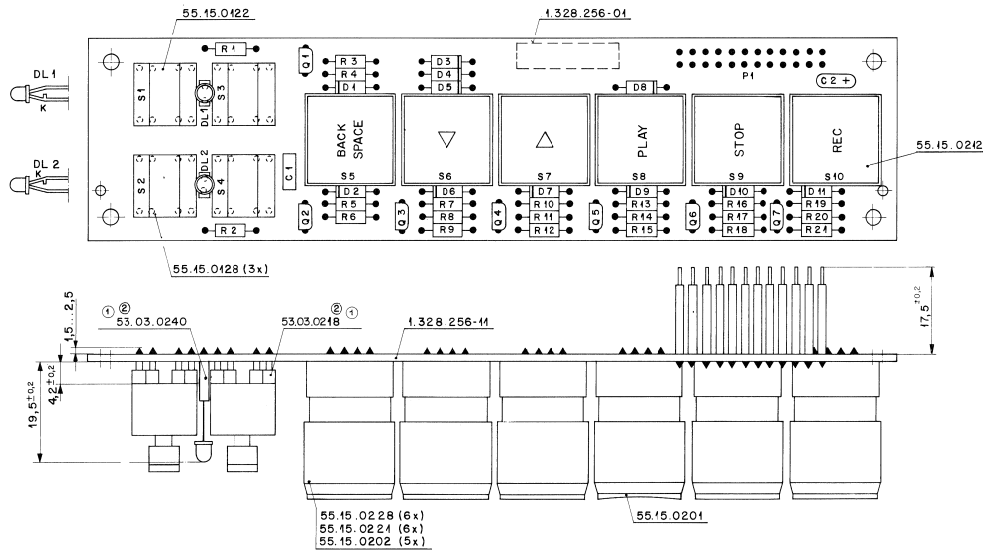
TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.00
 -PUSHBUTTON PCB 1.328.256.00

TO P6 1.328.257-00



① 12.02.86 C. METZ	○ . . ○ . . ○ . . ○ . .	MODUL PARALLEL A727, A812, A820	PAGE 1 OF 1
STUDER	PUSHBUTTON BOARD	SC	1.328.256-00

TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.00
 -PUSHBUTTON PCB 1.328.256.00



Tasten S6 - S10 besücht mit B1 - B5

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
S.....1	51.02.0155		5 VJ 0.060 A		
S.....2	51.02.0155		5 VJ 0.060 A		
S.....3	51.02.0155		5 VJ 0.060 A		
S.....4	51.02.0155		5 VJ 0.060 A		
S.....5	51.02.0155		5 VJ 0.060 A		
C.....1	59.06.0683	.068 u	10% 63V / PETP		
C.....2	59.26.2100	10 u	20% 16V / SML		
D.....1	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....2	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....3	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....4	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....5	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....6	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....7	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....8	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....9	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....10	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....11	50.04.0125	1 N 4448	75 VJ 0.1 A Si.		
D.....1	50.04.2129	LS 3160	Diffused red (see Note 2)		Sia.
D.....2	50.04.2129	LS 3160	Diffused red (see Note 2)		Sia.
F.....1	1.010.019.54	2 * 12 pin	24 pos. L = 20 MM.		
Q.....1	50.03.0352	ZTX 751 S	60 VJ 2 A PNP Si.		Fa.
Q.....2	50.03.0352	ZTX 751 S	60 VJ 2 A PNP Si.		Fa.
Q.....3	50.03.0352	ZTX 751 S	60 VJ 2 A PNP Si.		Fa.
Q.....4	50.03.0352	ZTX 751 S	60 VJ 2 A PNP Si.		Fa.
Q.....5	50.03.0352	ZTX 751 S	60 VJ 2 A PNP Si.		Fa.
Q.....6	50.03.0352	ZTX 751 S	60 VJ 2 A PNP Si.		Fa.
Q.....7	50.03.0352	ZTX 751 S	60 VJ 2 A PNP Si.		Fa.
R.....1	57.11.4221	220	2% 0207 / MF		
R.....2	57.11.4221	220	2% 0207 / MF		
R.....3	57.11.4103	10 k	2% 0207 / MF		

STUDER (01) 87/05/11 CM PUSHBUTTON BOARD PL 1.328.256-00 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....4	57.11.4102	1.0 k	2% 0207 / MF		
R.....5	57.11.4102	1.0 k	2% 0207 / MF		
R.....6	57.11.4103	10 k	2% 0207 / MF		
R.....7	57.11.4102	1.0 k	2% 0207 / MF		
R.....8	57.11.4103	10 k	2% 0207 / MF		
R.....9	57.11.4101	100	2% 0207 / MF		
R.....10	57.11.4102	1.0 k	2% 0207 / MF		
R.....11	57.11.4103	10 k	2% 0207 / MF		
R.....12	57.11.4101	100	2% 0207 / MF		
R.....13	57.11.4102	1.0 k	2% 0207 / MF		
R.....14	57.11.4103	10 k	2% 0207 / MF		
R.....15	57.11.4101	100	2% 0207 / MF		
R.....16	57.11.4102	1.0 k	2% 0207 / MF		
R.....17	57.11.4103	10 k	2% 0207 / MF		
R.....18	57.11.4101	100	2% 0207 / MF		
R.....19	57.11.4102	1.0 k	2% 0207 / MF		
R.....20	57.11.4103	10 k	2% 0207 / MF		
R.....21	57.11.4101	100	2% 0207 / MF		

S.....1	S.....2	S.....3	S.....4	S.....5	S.....6	S.....7	S.....8	S.....9	S.....10
55.15.0112	55.15.0112	55.15.0112	55.15.0112	55.15.0231	55.15.0231	55.15.0231	55.15.0231	55.15.0231	55.15.0231
MK II	MK II	MK II	MK II						
Monentary pushbutton switch (see Note 1)MFK.	Monentary pushbutton switch (see Note 1)MFK.	Monentary pushbutton switch (see Note 1)MFK.	Monentary pushbutton switch (see Note 1)MFK.	Monentary pushbutton switch	Monentary pushbutton switch	Monentary pushbutton switch	Monentary pushbutton switch	Monentary pushbutton switch	Monentary pushbutton switch

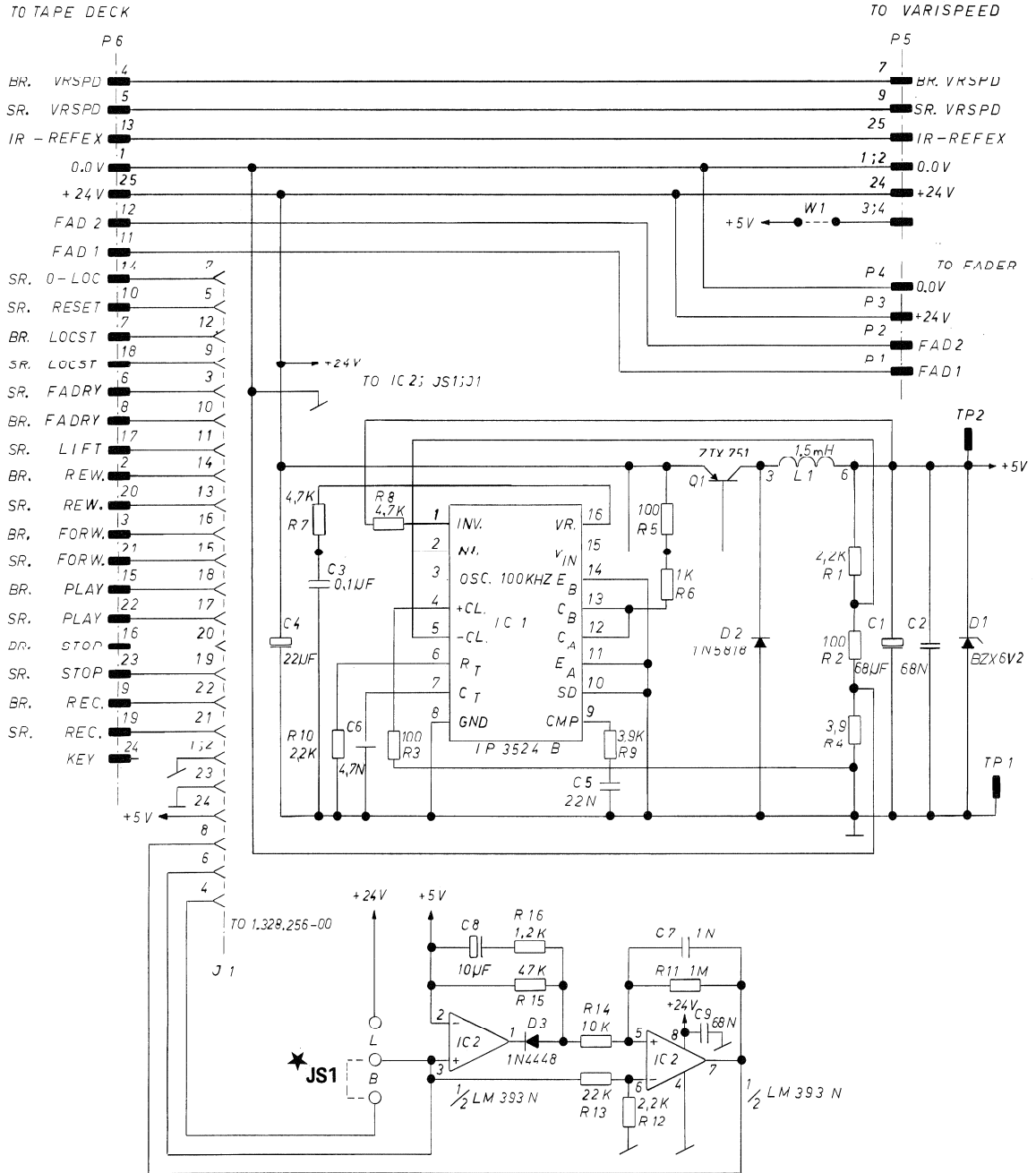
STUDER (01) 87/05/11 CM PUSHBUTTON BOARD PL 1.328.256-00 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1 -> Device mounted on 53.03.0218 pins. (4 * 2 pos.) Index (01) -> Note 2 -> Device mounted on 53.99.0126 pins. (1 * 2 pos.)					
CER=Ceramic, EL=Electrolytic, MP=Metallized Paper, MPC=Metallized Poly-carbonate, MEPTP=Metallized Polyester, PC=Polycarbonate, PETP=Polyester, PP=Polypropylene, PE=Polyethylene, SA=Solid Aluminium, SA=Contact, CERmet=Ceramic Metal, MF=Metal Film.					

MANUFACTURERS : EAO = Elektro Apparaten Olten
 Fa = Ferranti
 MEK = Meccanick Elektrick Copagni af 1975
 Sia = Siemens

DRIG 87/05/11
 STUDER (01) 87/05/11 CM PUSHBUTTON BOARD PL 1.328.256-00 PAGE 3

TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.00
 -CONNECTOR PCB 1.328.257.00

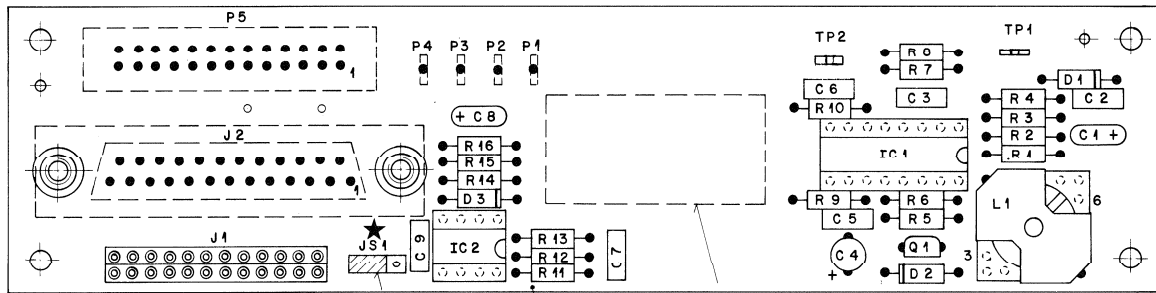


★ JS1
 POS L = LIFTER
 POS B = BACKSPACE

ZTX 751
 E B C
 BOTTOM VIEW
 1 2 3

① 13.02.86 C. METZ	○ . . ○ . . ○ . .	○ . .	○ . .
MODUL PARALLEL A 7 2 7, A 8 1 2, A 8 2 0		PAGE 1 OF 1	
STUDER		CONNECTORS BOARD	SC 1.328.257-00

TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.00
 -CONNECTOR PCB 1.328.257.00

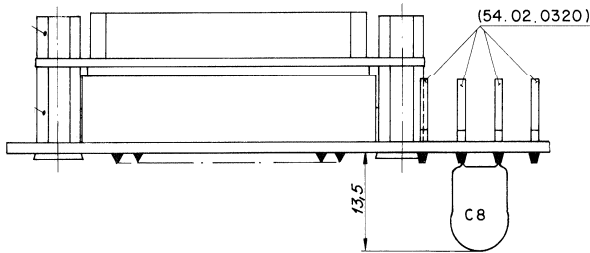


★ JS1
 POS L = LIFTER
 POS B = BACKSPACE

Bestückt

1.328.257-11

1.328.255-07



J1
 Höhe 4.2^{+0.2}

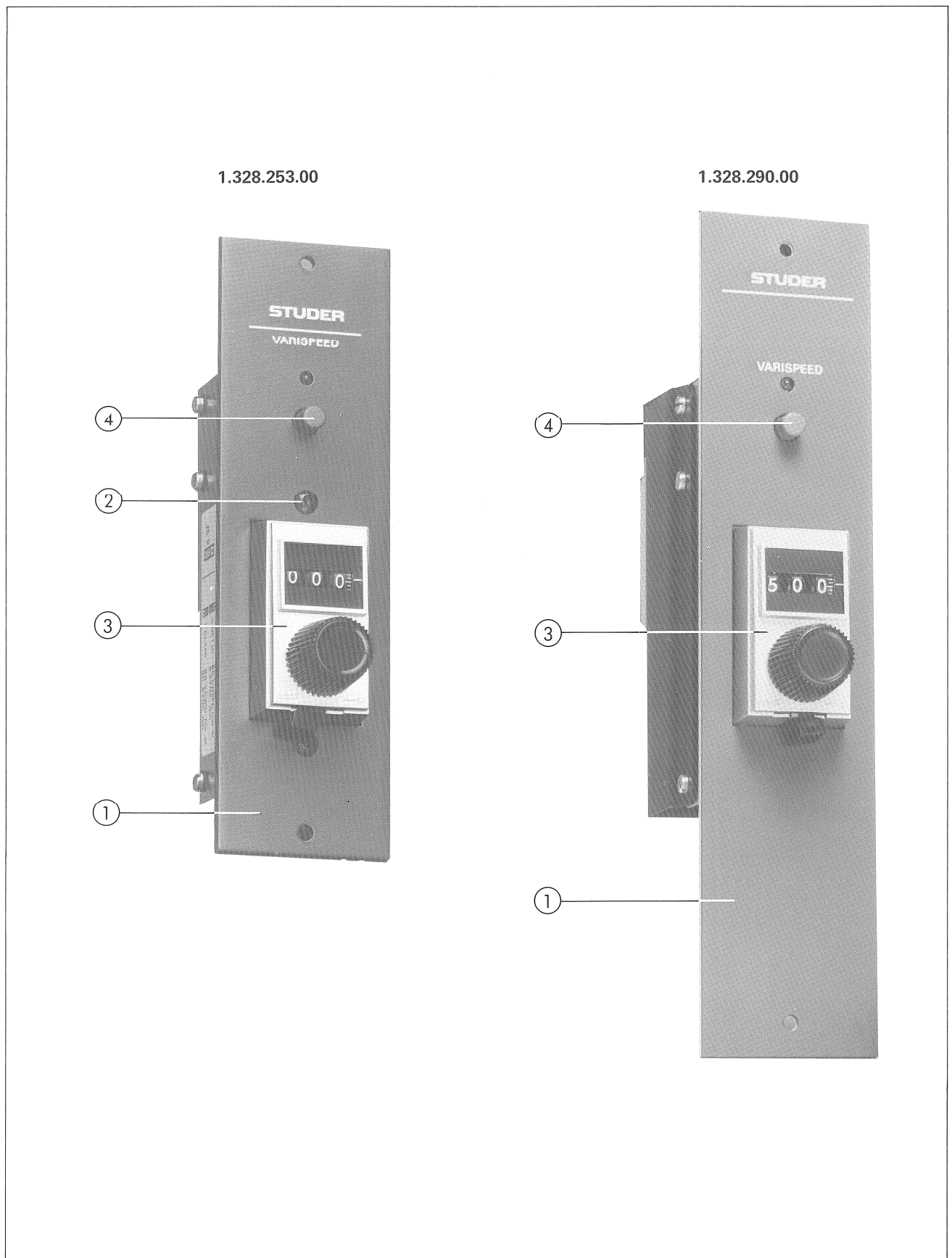
② Schilder 1.328.257-01
 und 43.01.0108 aufgebracht
 nach 'Muster.'

C1, C4, C8
 Max. Höhe 13,5 mm

① 53.03.0218 (24x)

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.26.0680	68 u	20%, 6.3V, SAL		R.....6		57.11.4102	1.0 k	2%, 0207, MF	
C.....2		59.06.0683	.068 u	10%, 63V, PETP		R.....7		57.11.4472	4.7 k	2%, 0207, MF	
C.....3		59.06.0104	.1 u	10%, 63V, PETP		R.....8		57.11.4472	4.7 k	2%, 0207, MF	
C.....4		59.22.6220	22 u	-20%, 35V, EL		R.....9		57.11.4392	3.9 k	2%, 0207, MF	
C.....5		59.06.0223	.022 u	10%, 63V, PETP		R.....10		57.11.4222	2.2 k	2%, 0207, MF	
C.....6		59.06.0472	4700 p	10%, 63V, PETP		R.....11		57.11.4105	1 M	2%, 0207, MF	
C.....7		59.06.0102	1000 p	10%, 63V, PETP		R.....12		57.11.4222	2.2 k	2%, 0207, MF	
C.....8		59.26.2100	10 u	20%, 16V, SAL		R.....13		57.11.4223	22 k	2%, 0207, MF	
C.....9		59.06.0683	.068 u	10%, 63V, PETP		R.....14		57.11.4103	10 k	2%, 0207, MF	
D.....1		50.04.1118	BZX 6V2	5K, 6.2 V, 0.40 W, Z,		R.....15		57.11.4473	47 k	2%, 0207, MF	
D.....2		50.04.0512	1 N 5818	Schottky	Not.	R.....16		57.11.4122	1.2 k	2%, 0207, MF	
D.....3		50.04.0125	1 N 4448	75 V, 100 mA, Si.		TP....1		54.02.0320	2.8 * 0.8	Soldering pin	
IC.....1		50.05.0279	IP 3524 B	Regulating pulse width modulator	IPS.	TP....2		54.02.0320	2.8 * 0.8	Soldering pin	
IC.....2		50.05.0283	LM 393 N	Dual low power comparator	TI.	W.....1		1.010.324.64	4.3 * 10.2	Bridge (not inserted)	
(01) J.....1		53.03.0218	2 * 12 Pin	Socket terminal strip							
J.....2		54.13.0023		D-type, 25 pin print female connector							
JS.....1		54.01.0021	2 * 0.63	Jumper (See Note 1)							
L.....1		1.022.197.00	1/5 mH	Choke	St.						
P.....1		54.02.0320	2.8 * 0.8	Soldering pin							
P.....2		54.02.0320	2.8 * 0.8	Soldering pin							
P.....3		54.02.0320	2.8 * 0.8	Soldering pin							
P.....4		54.02.0320	2.8 * 0.8	Soldering pin							
P.....5		54.14.2003		26 Pin print male connector							
Q.....1		50.03.0352	ZTX 751 S	60 V, 2 A, PNP Si.	Fe.						
R.....1		57.11.4222	2.2 k	2%, 0207, MF							
R.....2		57.11.4101	100	2%, 0207, MF							
R.....3		57.11.4101	100	2%, 0207, MF							
R.....4		57.11.4399	3.9	2%, 0207, MF							
R.....5		57.11.4101	100	2%, 0207, MF							

VARISPEED FOR REMOTE CONTROL ONLY 1.328.253.00
VARISPEED CONTROL MODULE 1.328.290.00



VARISPEED FOR REMOTE CONTROL ONLY 1.328.253.00

VARISPEED CONTROL MODULE 1.328.290.00

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.253.00	Varispeed conversion kit (for parallel remote control only)	
	1	1.328.290.00	Varispeed control module	
	1	1.810.762.83	VARISPEED CONTROL PCB	
1	1	1.328.250.10	Front cover (short)	
	1	1.810.330.02	Spacer	
1	1	1.328.290.01	Support	
	1	1.328.290.02	Front cover (long)	
	3	21.01.0279	Pan-head screw, slotted	M2,5 × 6
	3	24.16.1025	Fin washer	D2,7 / 5
	1	1.328.290.04	Insulation	
2	2	1.010.025.21	Oval head allen screw	M3 × 6
3	1	58.99.0116	Varispeed set unit	
4	1	1.810.320.07	Push button, long	red

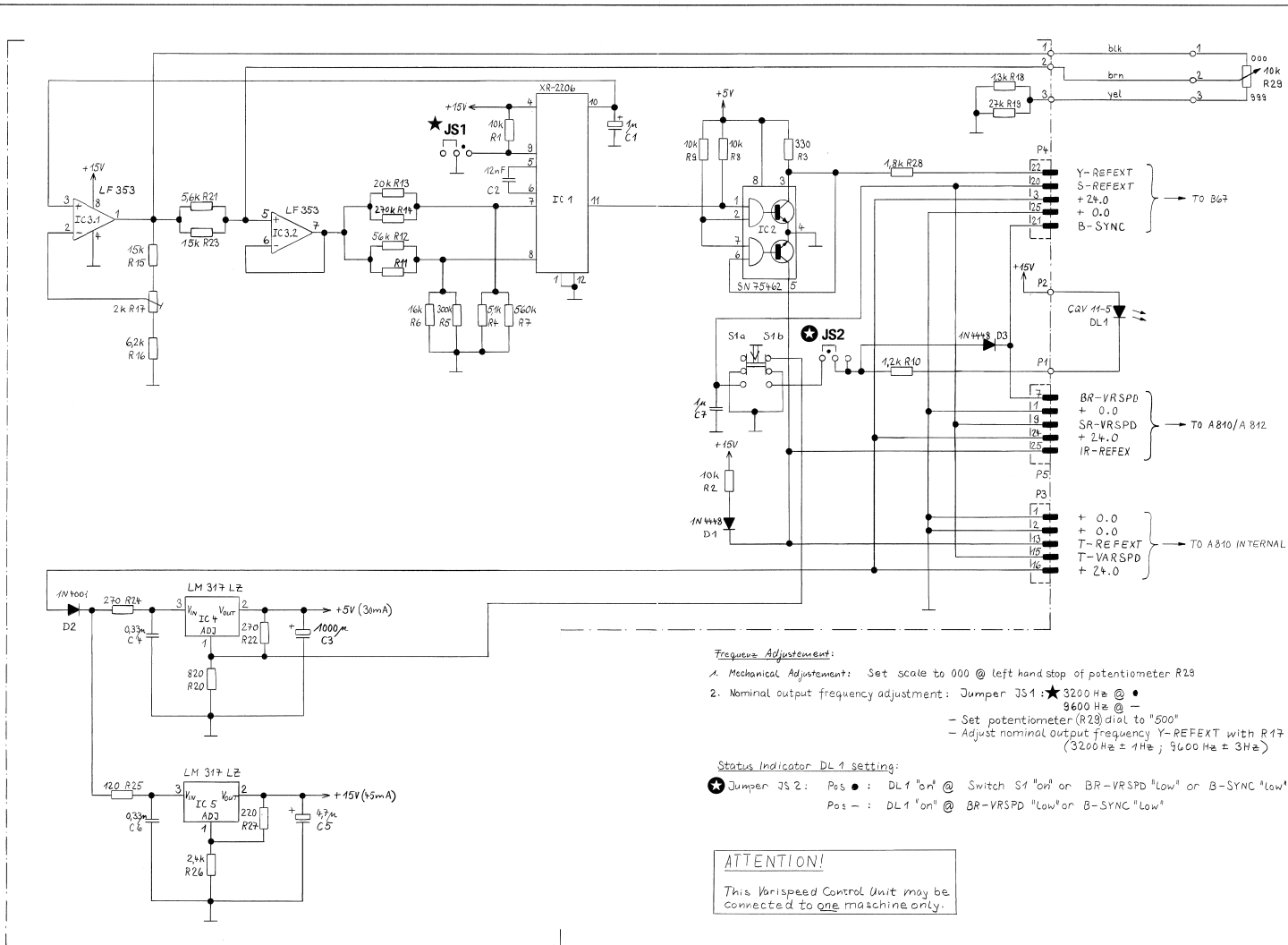
Connecting cables

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.292.00	Connection to machine directly	25-pin (15m long)
		1.023.102.03	Flat ribbon cable (0,3m long) for connection to the parallel remote control 1.328.250.00 or 1.328.255.00	

VARISPEED FOR REMOTE CONTROL ONLY 1.328.253.00

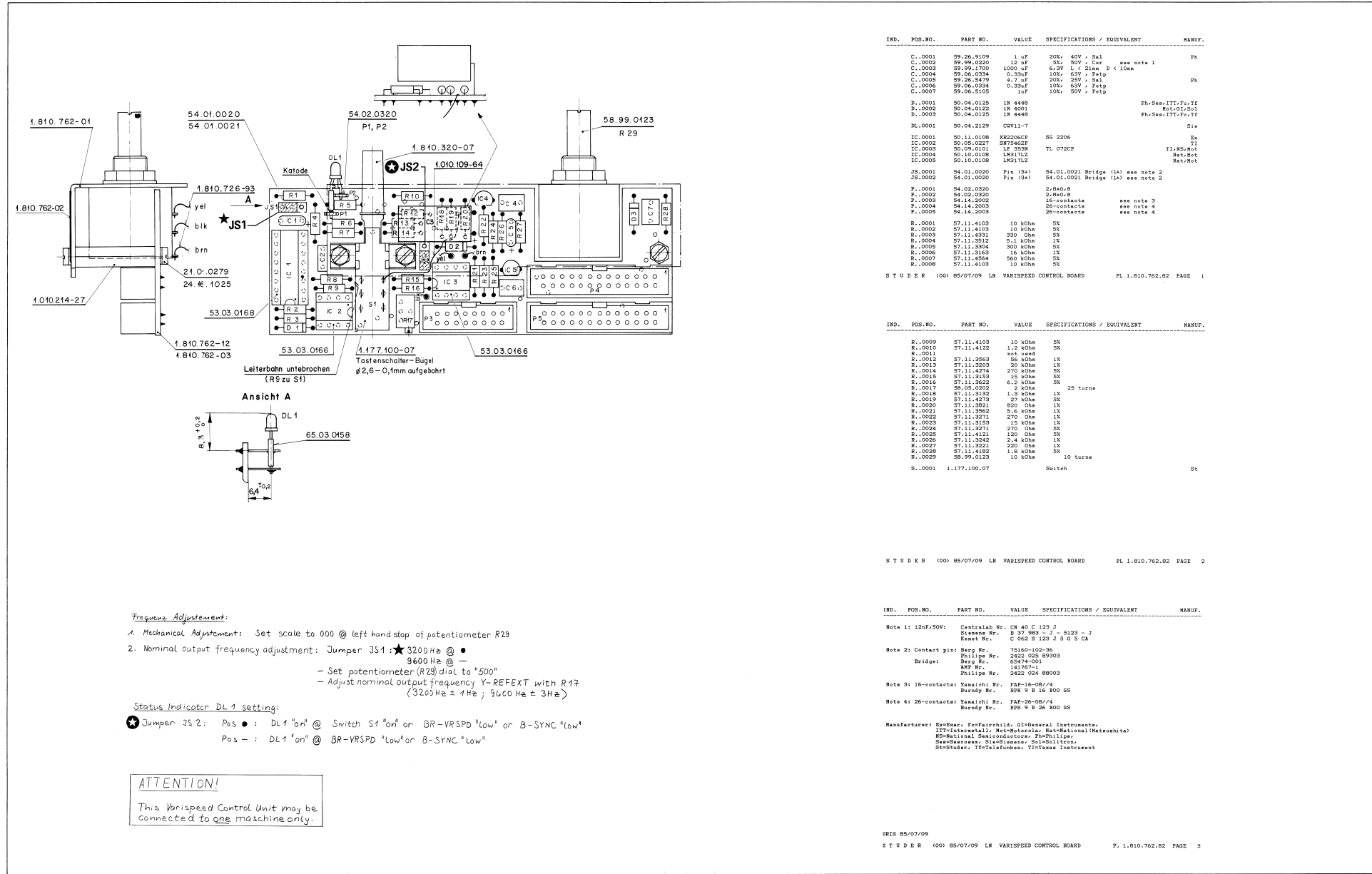
VARISPEED CONTROL MODULE 1.328.290.00

-VARISPEED CONTROL PCB 1.810.762.82



09.07.85 LN	..	..	..	PAGE 1 OF 1
STUDER	Varispeed Control Board		SC	1.810.762.82

VARISPEED FOR REMOTE CONTROL ONLY 1.328.253.00
 VARISPEED CONTROL MODULE 1.328.290.00
 -VARISPEED CONTROL PCB 1.810.762.82



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.	0001	59.26.8109	1 uF	20% 40V / Sal	Ph
C.	0002	59.99.0220	12 uF	35% 50V / Cap	see note 1
C.	0003	59.99.1700	1000 uF	6.3V L < 21mm D < 10mm	
C.	0004	59.06.0334	0.33uF	10% 63V / Petp	
C.	0005	59.26.8479	4.7 uF	20% 25V / Sal	Ph
C.	0006	59.06.0334	0.33uF	10% 63V / Petp	
C.	0007	59.06.8105	1uF	10% 50V / Petp	

D.	0001	50.04.0125	1N 4448		Ph;See;ITT;Fe;Ti
D.	0002	50.04.0122	1N 4001		Ph;dl;Sal
D.	0003	50.04.0125	1N 4448		Ph;See;ITT;Fe;Ti
DL	0001	50.04.2129	CV11-7		Si*
IC	0001	50.11.0108	KR2206CF	SG 2206	Ex
IC	0002	50.05.0227	SF7462E		Ti
IC	0003	50.09.0101	LF 352M	7L 072CF	Ti;NS;Mot
IC	0004	50.10.0108	1N317LZ		Net;Mot
IC	0005	50.10.0108	1N317LZ		Net;Mot

JS	0001	54.01.0020	Pin (3*)	54.01.0021 Bridge (1*) see note 2	
JS	0002	54.01.0020	Pin (3*)	54.01.0021 Bridge (1*) see note 2	
F.	0001	54.02.0020	2x40dB		
F.	0002	54.02.0020	2x40dB		
F.	0003	54.14.2003	16-contacts	see note 3	
F.	0004	54.14.2003	26-contacts	see note 4	
F.	0005	54.14.2003	26-contacts	see note 4	

R.	0001	57.11.4103	10 kOhm	5%	
R.	0002	57.11.4103	10 kOhm	5%	
R.	0003	57.11.4331	330 Ohm	5%	
R.	0004	57.11.3212	2.1 kOhm	5%	
R.	0005	57.11.3304	300 kOhm	5%	
R.	0006	57.11.3163	16 kOhm	1%	
R.	0007	57.11.4364	560 kOhm	5%	
R.	0008	57.11.4103	10 kOhm	5%	

STUDER (00) 85/07/09 LN VARISPEED CONTROL BOARD PL 1.810.762.82 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.	0009	57.11.4103	10 kOhm	5%	
R.	0010	57.11.4122	1.2 kOhm	5%	
R.	0011	57.11.3203	not used		
R.	0012	57.11.3563	56 kOhm	1%	
R.	0013	57.11.3203	20 kOhm	5%	
R.	0014	57.11.4274	270 kOhm	5%	
R.	0015	57.11.3153	15 kOhm	5%	
R.	0016	57.11.3622	6.2 kOhm	5%	
R.	0017	58.05.0202	2 kOhm	25 turns	
R.	0018	57.11.3132	1.3 kOhm	1%	
R.	0019	57.11.4273	27 kOhm	5%	
R.	0020	57.11.3821	820 Ohm	1%	
R.	0021	57.11.3862	5.6 kOhm	1%	
R.	0022	57.11.3271	270 Ohm	1%	
R.	0023	57.11.3153	15 kOhm	5%	
R.	0024	57.11.3271	270 Ohm	5%	
R.	0025	57.11.4121	1.20 kOhm	5%	
R.	0026	57.11.3242	2.4 kOhm	1%	
R.	0027	57.11.3221	220 Ohm	1%	
R.	0028	57.11.4102	1.8 kOhm	5%	
R.	0029	58.99.0123	10 kOhm	10 turns	
S.	0001	1.177.100.07	Switch		St

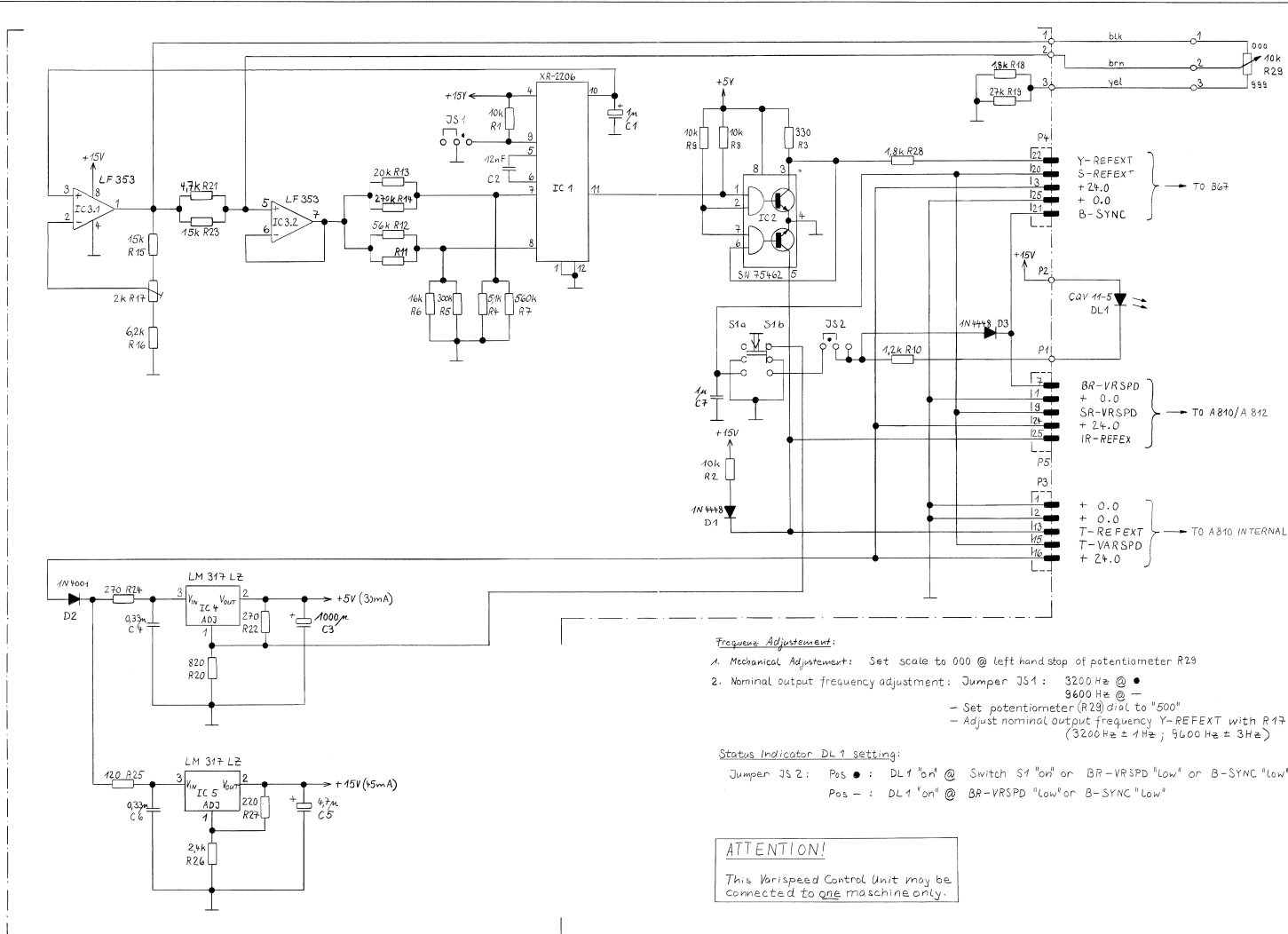
STUDER (00) 85/07/09 LN VARISPEED CONTROL BOARD PL 1.810.762.82 PAGE 2

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1: 120V/50V: Centralelab Nr. CN 40 C 123 J Siemens Nr. B 37 983 - J - 5123 - J Rohrer Nr. C 052 S 103 J 0 S CA					
Note 2: Contact pin: Berg Nr. 75160-102-36 Phillips Nr. 2422 025 09303 Bridge: Berg Nr. 65474-005 AMP Nr. 141767-1 Phillips Nr. 2422 004 80003					
Note 3: 16-contacts: Yamaichi Nr. PAP-16-0N/4 Burdyny Nr. BPH 9 B 16 300 GS					
Note 4: 26-contacts: Yamaichi Nr. PAP-26-0N/4 Burdyny Nr. BPH 9 B 26 300 GS					
Manufacturers: Ex=Deary, Fe=Fairchild, GI=General Instruments, ITT=ITT, M=Motorola, NS=National (Motorola), NP=National Semiconductor, Ph=Phillips, S=Siemens, S=Siemens, S=Siemens, S=Siemens, S=Studer, T=Telefunken, TI=Texas Instrument					

- Frequent Adjustment:**
- Mechanical Adjustment: Set scale to 000 @ left hand stop of potentiometer R23
 - Nominal output frequency adjustment: Jumper JS1:
 - 3200 Hz @ ●
 - 9600 Hz @ —
 - Set potentiometer (R23) dial to "500"
 - Adjust nominal output frequency Y-REFEXT with R17 (3200 Hz ± 1 Hz; 9600 Hz ± 3 Hz)
- Status Indicator DL1 setting:**
- Jumper JS2: Pos ● : DL1 "on" @ Switch S1 "on" or BR-VRSPD "Low" or B-SYNC "Low"
 - Pos — : DL1 "on" @ BR-VRSPD "Low" or B-SYNC "Low"

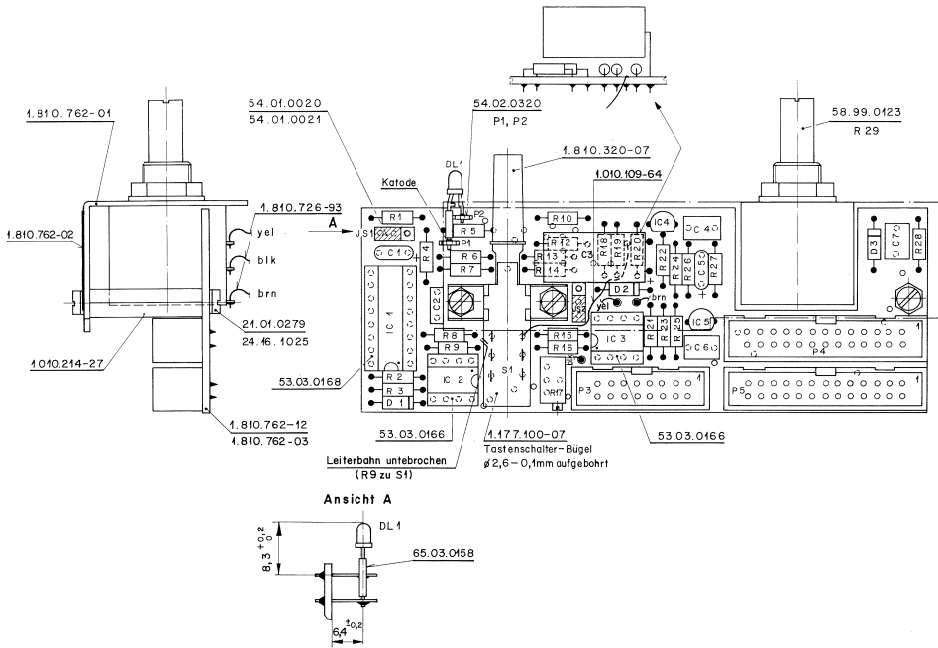
ATTENTION!
 This Varispeed Control Unit may be connected to one machine only.

VARISPEED FOR REMOTE CONTROL ONLY 1.328.253.00
 VARISPEED CONTROL MODULE 1.328.290.00
 -VARISPEED CONTROL PCB 1.810.762.83



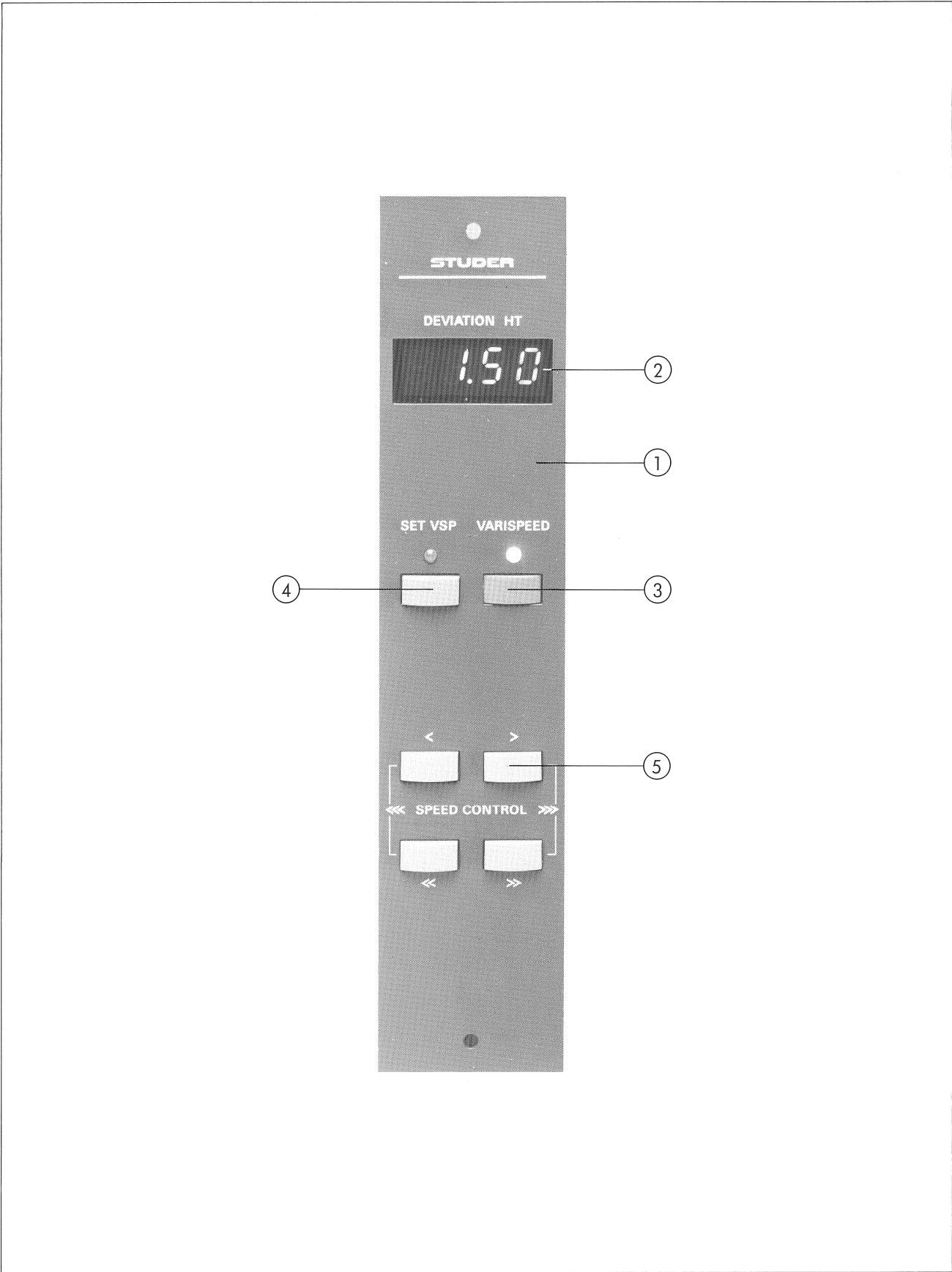
© 17.03.80 ZR	○ . .	○ . .	○ . .	○ . .	PAGE 1 OF 1
STUDER	Varispeed Control Board			SC	1.810.762.83

VARISPEED FOR REMOTE CONTROL ONLY 1.328.253.00
 VARISPEED CONTROL MODULE 1.328.290.00
 -VARISPEED CONTROL PCB 1.810.762.83



Ad .POS.	REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.26.9109	1 uF	20%, 40V, Sal
C....2	59.99.0220	12 nF	5%, 50V, Cer see note 1
C....3	59.99.1700	1000 uF	6,3V L < 21mm D < 10mm
C....4	59.06.0334	0.33uF	10%, 63V, Petp
C....5	59.26.5479	4.7 uF	20%, 25V, Sal
C....6	59.06.0334	0.33uF	10%, 63V, Petp
C....7	59.06.5105	1uF	10%, 50V, Petp
D....1	50.04.0125	1N 4448	Ph, Ses, ITT, Fc, Tf
D....2	50.04.0122	1N 4001	Mot, GI, Sol
D....3	50.04.0125	1N 4448	Ph, Ses, ITT, Fc, Tf
DL....1	50.04.2129	CQV11-7	Sie
IC....1	50.11.0109	XR2205CP	SG 2206
IC....2	50.05.0227	SN75462P	SG 2206
IC....3	50.09.0101	LF 353N	TL 072CP
IC....4	50.10.0108	LM317LZ	TI, NS, Mot
IC....5	50.10.0108	LM317LZ	Nat, Mot
JS....1	54.01.0020	Pin (3*)	54.01.0021 Bridge (1*) see note 2
JS....2	54.01.0020	Pin (3*)	54.01.0021 Bridge (1*) see note 2
P....1	54.02.0320		2,8*0,8
P....2	54.02.0320		2,8*0,8
P....3	54.14.2102		16-contacts see note 3
P....4	54.14.2003		26-contacts see note 4
P....5	54.14.2003		26-contacts see note 4
R....1	57.11.3103		10 kOhm 5%
R....2	57.11.3103		10 kOhm 5%
R....3	57.11.3331		330 Ohm 5%
R....4	57.11.3512		5.1 kOhm 1%
R....5	57.11.3304		300 kOhm 5%
R....6	57.11.3163		15 kOhm 1%
R....7	57.11.3564		560 kOhm 5%
R....8	57.11.3103		10 kOhm 5%
R....9	57.11.3103		10 kOhm 5%
R....10	57.11.3122		1.2 kOhm 5%
R....11			not used
R....12	57.11.3563		56 kOhm 1%
R....13	57.11.3203		20 kOhm 1%
R....14	57.11.3274		270 kOhm 5%
R....15	57.11.3163		15 kOhm 5%
R....16	57.11.3622		6.2 kOhm 5%
R....17	56.05.0202		2 kOhm 25 turns
R....18	57.11.3182		1.8 kOhm 1%
R....19	57.11.3273		27 kOhm 5%
R....20	57.11.3621		820 Ohm 1%
R....21	57.11.3472		4.7 kOhm 1%
R....22	57.11.3271		270 Ohm 1%
R....23	57.11.3153		15 kOhm 1%
R....24	57.11.3271		270 Ohm 5%
R....25	57.11.3121		120 Ohm 5%
R....26	57.11.3242		2.4 kOhm 1%
R....27	57.11.3221		220 Ohm 1%
R....28	57.11.3182		1.8 kOhm 5%
R....29	58.99.0123		10 kOhm 10 turns
S....1	1.177.100.07		Switch St
<p>Note 1: 12nF, 50V: Centralab Nr. CN 40 C 123 J Siemens Nr. B 37 983 - J - 5123 - J Kemet Nr. C 062 S 123 J 5 G 5 CA</p> <p>Note 2: Contact pin: Berg Nr. 75160-102-36 Philips Nr. 2422 025 89303 Bridge: Berg Nr. 65474-001 AMP Nr. 141767-1 Philips Nr. 2422 024 88003</p> <p>Note 3: 16-contacts: Siemens Nr. V23535-A2700-A162 Thomas+Betts 501-1627 ES</p> <p>Note 4: 26-contacts: Yamachi Nr. FAP-26-08/4 Burndy Nr. BPH 9 B 26 800 GS</p> <p>Manufacturer: Ex=Exar, Fc=Fairchild, GI=General Instruments, ITT=International, Mot=Motorola, Nat=National(Patsushita), NS=National Semiconductors, Ph=Philips, Ses=Sescosen, Sie=Siemens, Sol=Solitron, St=Studer, Tf=Telefunken, TI=Texas Instrument</p> <p>1.810.762.83 VARISPEED CONTROL BOARD Z890/10/0500</p>			

VARISPEED CONTROLLER 1.328.280.00



VARISPEED CONTROLLER 1.328.280.00

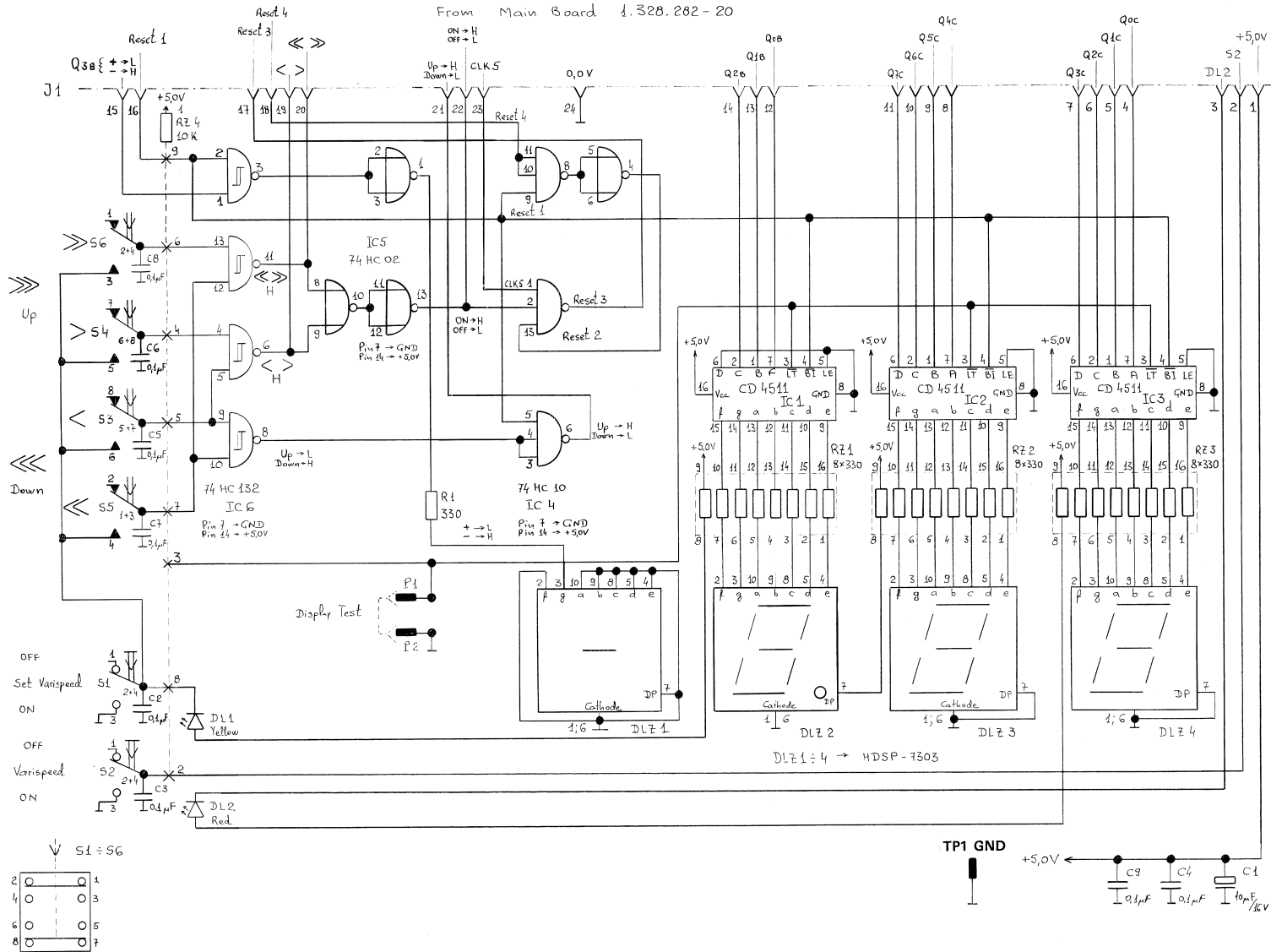
Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.280.00	Varispeed Controller	
	1	1.328.281.00	Varispeed Display- and Keyboard	
	1	1.328.282.20	Varispeed Main Board	
	1	1.328.283.00	Varispeed Connector Board	
1	1	1.328.280.01	Front cover	
2	1	1.328.280.03	Glas pane	
3	1	55.15.0122	Push button	red
4	1	55.15.0123	Push button	orange
5	4	55.15.0128	Push button	gray

Connecting cables

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.292.00	Connection to machine directly 25-pin (15m long)	
		1.023.102.03	Flat ribbon cable (0,3m long) for connection to the parallel remote control 1.328.250.00 or 1.328.255.00	

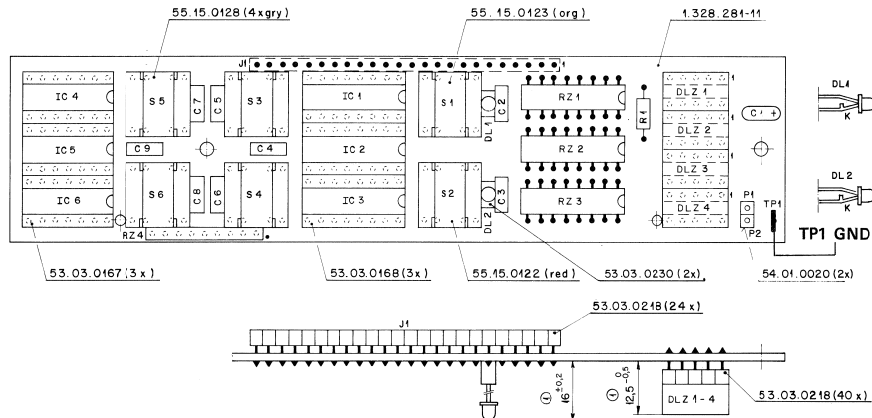


VARISPEED CONTROLLER 1.328.280.00
 -VARISPEED DISPLAY AND KEYBOARD 1.328.281.00



2.5.04.88	C. Metz	Varispeed	PAGE 1 OF 1
STUDER			1.328.281.00
Display and Keyboard PCB			"ESE" SC

VARISPEED CONTROLLER 1.328.280.00
 -VARISPEED DISPLAY AND KEYBOARD 1.328.281.00



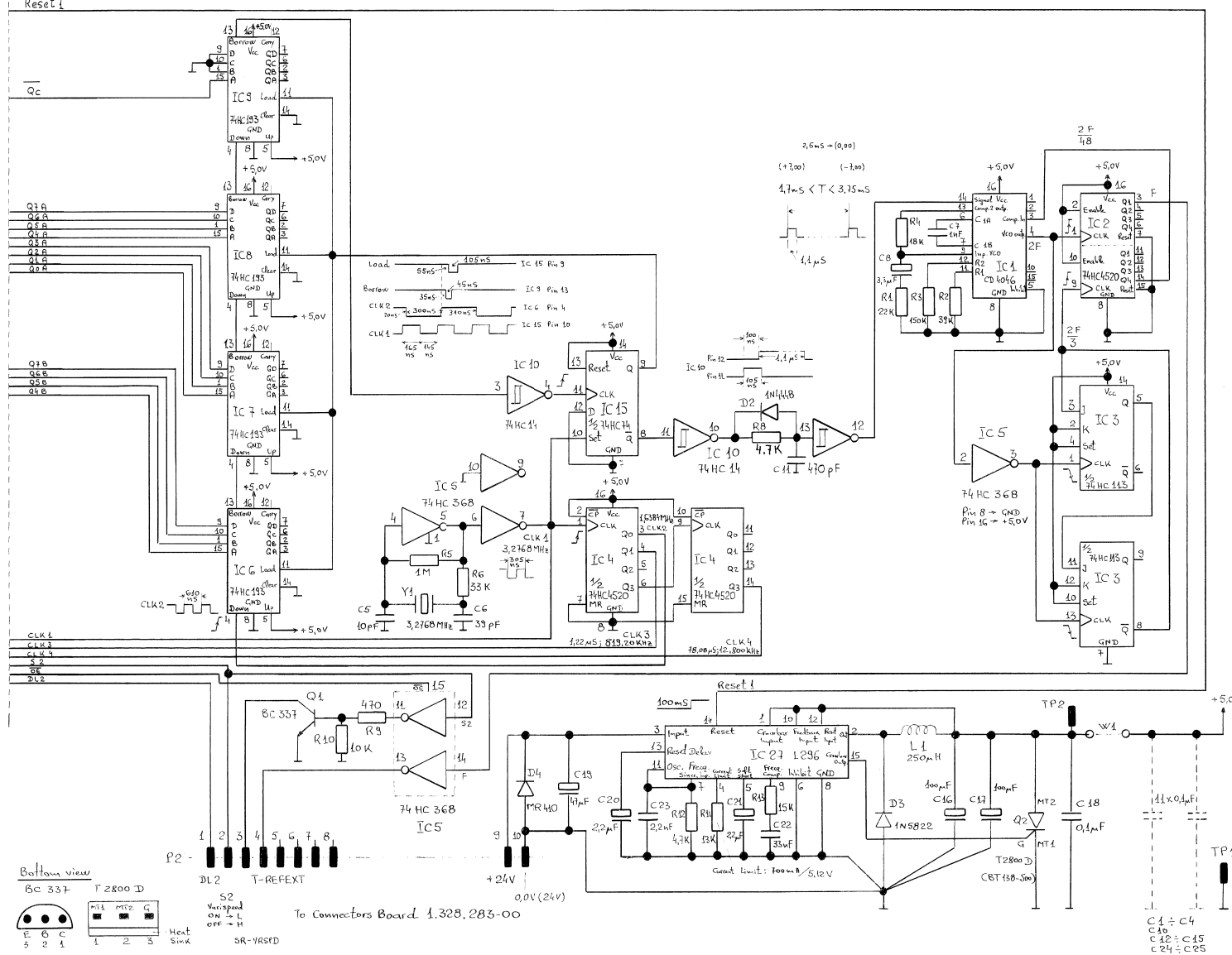
Schilder 1.328.281-01/43.04.0108
 aufgeklebt nach Fabrikationsmuster.

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.06.2100	10 u	20K 14V / GAL			S.....1	55.15.0113	2 * U	Push-Push Button Switch.	REC.	
C.....2	59.06.0104	1 u	10K 63V / FETP			S.....2	55.15.0113	2 * U	Push-Push Button Switch.	REC.	
C.....3	59.06.0104	1 u	10K 63V / FETP			S.....3	55.15.0112	2 * U	Cosentary Push Button Switch.	REC.	
C.....4	59.06.0104	1 u	10K 63V / FETP			S.....4	55.15.0112	2 * U	Cosentary Push Button Switch.	REC.	
C.....5	59.06.0104	1 u	10K 63V / FETP			S.....5	55.15.0112	2 * U	Cosentary Push Button Switch.	REC.	
C.....6	59.06.0104	1 u	10K 63V / FETP			S.....6	55.15.0112	2 * U	Cosentary Push Button Switch.	REC.	
C.....7	59.06.0104	1 u	10K 63V / FETP								
C.....8	59.06.0104	1 u	10K 63V / FETP			TP....1	54.02.0920	2.8 * 0.8	Straight soldering strip.		
C.....9	59.06.0104	1 u	10K 63V / FETP								
D2.....1	73.01.0120	LV 3160	Diffused yellow.		Sis.						
D2.....2	73.01.0120	LS 3160	Diffused red.		Sis.						
DLZ...1	73.01.0120	HDSF-7303	Red Micr-Height 7 Seg. Display, 7.6 mm. HP.								
DLZ...2	73.01.0120	HDSF-7303	Red Micr-Height 7 Seg. Display, 7.6 mm. HP.								
DLZ...3	73.01.0120	HDSF-7303	Red Micr-Height 7 Seg. Display, 7.6 mm. HP.								
DLZ...4	73.01.0120	HDSF-7303	Red Micr-Height 7 Seg. Display, 7.6 mm. HP.								
IC.....1	50.07.0511	CD 4511	BCD-to-7 Seg. Latch/Decoder/Driver.								
IC.....2	50.07.0511	CD 4511	BCD-to-7 Seg. Latch/Decoder/Driver.								
IC.....3	50.07.0511	CD 4511	BCD-to-7 Seg. Latch/Decoder/Driver.								
IC.....4	50.17.1010	74 HC 10	Tripla 3-Input NAND Gate.								
IC.....5	50.17.1002	74 HC 02	Quad 2-Input NOR Gate.								
IC.....6	50.17.1152	74 HC 132	Quad 2-Input Schmitt Trigger NAND Gate.								
J.....1	53.03.0218	24 * 1 pin	Straight socket strip (24 pos.)								
F.....1	54.01.0020	0.63*0.63	Straight soldering male pin.								
F.....2	54.01.0020	0.63*0.63	Straight soldering male pin.								
R.....1	57.11.3931	330	1% 0207 / HP								
RE.....1	57.88.3331	8 * 330	2% DIL16								
RE.....2	57.88.3331	8 * 330	2% DIL16								
RE.....3	57.88.3331	8 * 330	2% DIL16								
RE.....4	57.88.4133	8 * 10 k	2% SIP 7								

Note: DL 1 and DL 2 are mounted on LED sockets #53.03.0230 (2 pos.)
 Devices DLZ 1-to-4 are mounted on 2 * 3 pos. #53.03.0218 pins.
 SMI-Solid Aluminium, FETP=Polyester, MP=Metal Film.
 MANUFACTURERS: HP = Hewlett Packard, REC = Sakanak Elektrik Cepnagari af 1975, Sis = Silesia
 ORIG 08/02/11



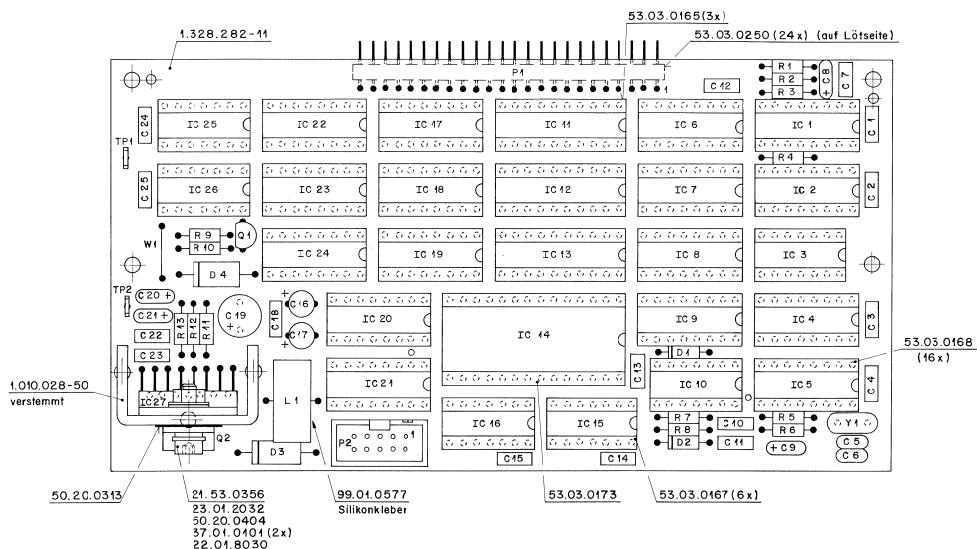
page 1 ←



13.03.31	C. Melz	Varispeed	MAIN BOARD
PAGE 2 OF 2		1.328.282-20	

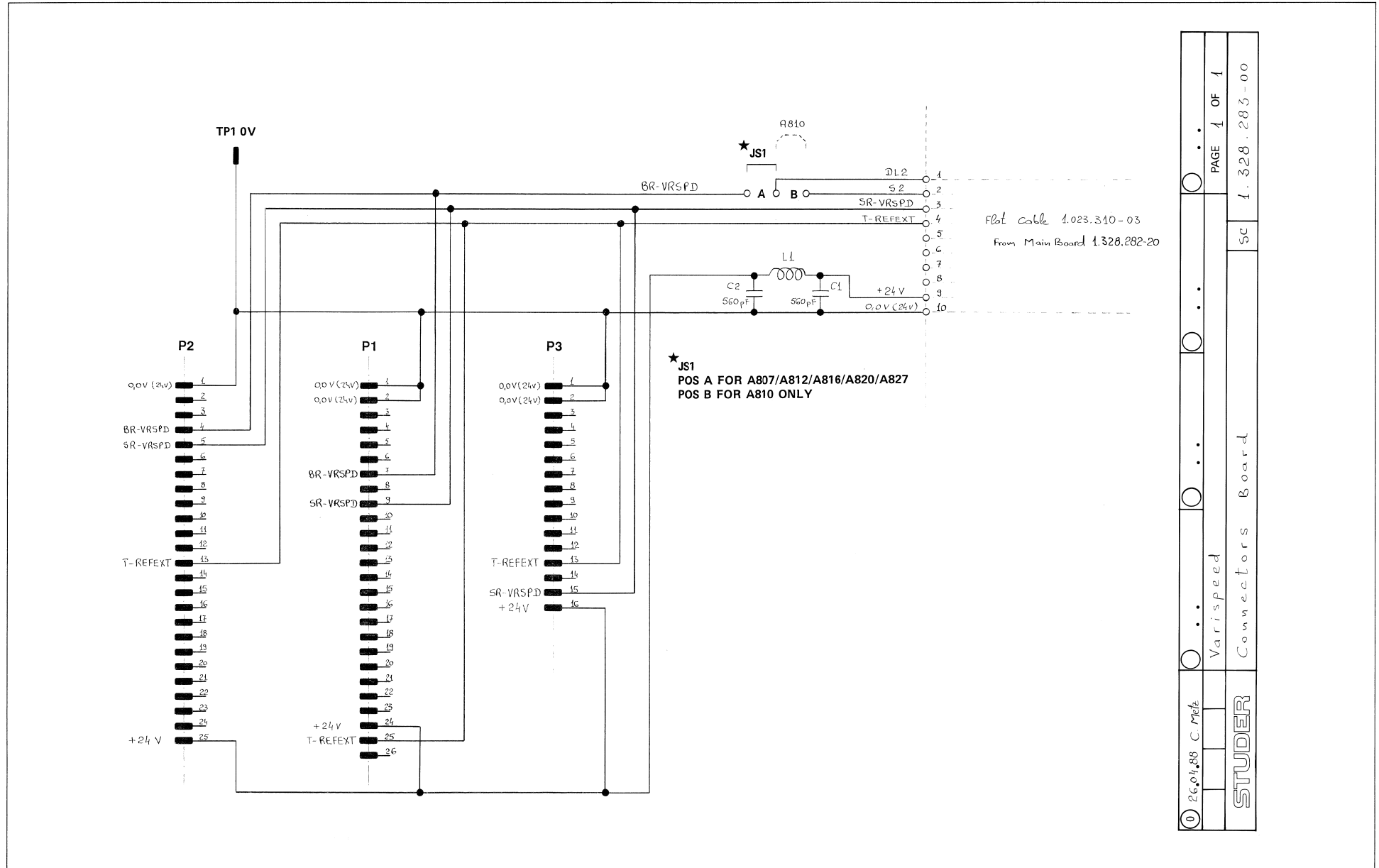


VARISPEED CONTROLLER 1.328.280.00
 -VARISPEED MAIN BOARD 1.328.282.20



Ad	POS	REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.06.0104	.1 u	10%, 63V, PETP	
C....2	59.06.0104	.1 u	10%, 63V, PETP	
C....3	59.06.0104	.1 u	10%, 63V, PETP	
C....4	59.06.0104	.1 u	10%, 63V, PETP	
C....5	59.34.1100	10 p	5%, NP 0, CER	
C....6	59.34.2390	39 p	5%, N150, CER	
C....7	59.06.0102	1000 p	10%, 63V, PETP	
C....8	59.26.2339	3.3 u	20%, 16V, SAL	
C....9	59.26.5109	1 u	20%, 25V, SAL	
C....10	59.06.0104	.1 u	10%, 63V, PETP	
03 C....11	59.34.5471	470 p	5%, N1500, CER	
C....12	59.06.0104	.1 u	10%, 63V, PETP	
C....13	59.06.0104	.1 u	10%, 63V, PETP	
C....14	59.06.0104	.1 u	10%, 63V, PETP	
C....15	59.06.0104	.1 u	10%, 63V, PETP	
01 C....16	59.22.3101	100 u	-20%, 10V, EL	
01 C....17	59.22.3101	100 u	-20%, 10V, EL	
C....18	59.06.0104	.1 u	10%, 63V, PETP	
C....19	59.22.6470	47 u	-20%, 40V, EL	
C....20	59.26.2229	2.2 u	20%, 16V, SAL	
C....22	59.06.0333	.033 u	10%, 63V, PETP	
C....23	59.06.0222	2200 p	10%, 63V, PETP	
C....24	59.06.0104	.1 u	10%, 63V, PETP	
C....25	59.06.0104	.1 u	10%, 63V, PETP	
D....1	50.04.0125	1N 4448	75 V, 0.1 A, 4 ns, Si.	
D....2	50.04.0125	1N 4448	75 V, 0.1 A, 4 ns, Si.	
D....3	50.04.0519	1 N 5822	40 V, 3 A, Schottky.	Mot.
D....4	50.04.0521	MUR 410	100 V, 5 A, Si.	Mot.
IC....1	50.07.0046	MC 14046 B	Phase-Locked Loop.	Mot.
IC....2	50.17.4520	74 HC 4520	Dual 4-Bit Binary Counter.	
IC....3	50.17.1113	74 HC 113	Dual J-K Flip-Flop with Set.	
IC....4	50.17.4520	74 HC 4520	Dual 4-Bit Binary Counter.	
IC....5	50.17.1368	74 HC 368	Hex 3-Stage Inv. Buff., 2-Bit & 4-Bit Sect.	
IC....6	50.17.1193	74 HC 193	Preset. 4-Bit Bin. Up/Down Count. with Reset	
IC....7	50.17.1193	74 HC 193	Preset. 4-Bit Bin. Up/Down Count. with Reset	
IC....8	50.17.1193	74 HC 193	Preset. 4-Bit Bin. Up/Down Count. with Reset	
IC....9	50.17.1193	74 HC 193	Preset. 4-Bit Bin. Up/Down Count. with Reset	
IC....10	50.17.1014	74 HC 14	Hex Schmit-Trigger Inverter.	
IC....11	50.17.1574	74 HC 574	Octal 3-State Noninverting D-Type Flip-Flop.	
IC....12	50.17.1574	74 HC 574	Octal 3-State Noninverting D-Type Flip-Flop.	
IC....13	50.17.1574	74 HC 574	Octal 3-State Noninverting D-Type Flip-Flop.	
IC....14	1.328.901.20	5W 51/07 VARISPEED CONTROLLER		St.
IC....15	50.17.1074	74 HC 74	Dual D-Type Flip-Flop with Set & Reset.	
IC....16	50.17.1002	74 HC 02	Quad 2-Input NOR Gate.	
IC....17	50.17.1065	74 HC 85	4-Bit Magnitude Comparator.	
IC....18	50.17.1191	74 HC 191	Presettable 4-Bit Binary Up/Down Counter.	
IC....19	50.17.1191	74 HC 191	Presettable 4-Bit Binary Up/Down Counter.	
IC....20	50.17.1193	74 HC 193	Preset. 4-Bit Bin. Up/Down Count. with Reset	
IC....21	50.17.1139	74 HC 139	Dual 1-of-4 Decoder/Demultiplexer.	
IC....22	50.17.1151	74 HC 151	8 Input Data Selector/Multiplexer.	
IC....23	50.17.4060	74 HC 4060	14 Stage Binary Ripple Counter with Osc.	
IC....24	50.17.1191	74 HC 191	Presettable 4-Bit Binary Up/Down Counter.	
IC....25	50.17.1074	74 HC 74	Dual D-Type Flip-Flop with Set & Reset.	
IC....26	50.17.1000	74 HC 00	Quad 2-Input NAND Gate.	
IC....27	50.10.0110	L 296	High Current Switching Voltage Regulator SGS	
L....1	62.03.0005	250 uH	1 A, Toroidal Choke.	St.
P....1	53.03.0250	24 * 1 pin	Right Angle Male Contact Strip. (24 pcs.)	
P....2	54.14.2001	2 * 5 pins	Straight Print Male Connector.	
Q....1	50.03.0340	BC 337-25	45 V, 0.8 A, Si, NPN.	
Q....2	50.99.0106	T 2800 D	400 V, 8 A, Triac.	RCA.
R....1	57.11.3223	22 k	1%, 0207, MF	
R....2	57.11.3393	39 k	1%, 0207, MF	
R....3	57.11.3154	150 k	1%, 0207, MF	
R....4	57.11.3183	18 k	1%, 0207, MF	
R....5	57.11.3195	1 M	1%, 0207, MF	
R....6	57.11.3353	33 k	1%, 0207, MF	
R....7	57.11.3224	220 k	1%, 0207, MF	
R....8	57.11.3472	4.7 k	1%, 0207, MF	
R....9	57.11.3471	470	1% 0207 MF	
R....10	57.11.3103	10 k	1%, 0207, MF	
02 R....11	57.11.3163	13 k	1%, 0207, MF	
R....12	57.11.3472	4.7 k	1%, 0207, MF	
R....13	57.11.3153	15 k	1%, 0207, MF	
TP....1	54.02.0320	2.8 * 0.8	Straight Faston Connector.	
TP....2	54.02.0320	2.8 * 0.8	Straight Faston Connector.	
W....1	1.010.324.64		Wire-Bridge U, 4.3 * 10.2, 0.6	
Y....1	89.01.0376	3.2768 MHz	HC 18 U Ceramic Resonator.	
Index (01):			Capacitors 100 uF, 16V, replaced by 100 uF, 10V.	
(07.04.89)				
Index (02):			Resistor 13 k replaced by resistor 16 k.	
(20.04.89)				
Index (03):			Capacitor 1000 pF replaced by capacitor 470 pF.	
(13.03.91)			Resistor 2.2 k replaced by resistor 4.7 k.	
CER=Ceramic, EL=Electrolytic, PETP=Polyester, SAL=Solid Aluminium,				
MF=Metal Film.				
MANUFACTURERS :				
Mot = Motorola				
RCA = RCA Corporation				
SGS = SGS Microelectronica Sp A				
St = Studer				
1.328.282-20 MAIN BOARD				CM91/03/1303

VARISPEED CONTROLLER 1.328.280.00
 -VARISPEED CONNECTORS BOARD 1.328.283.00

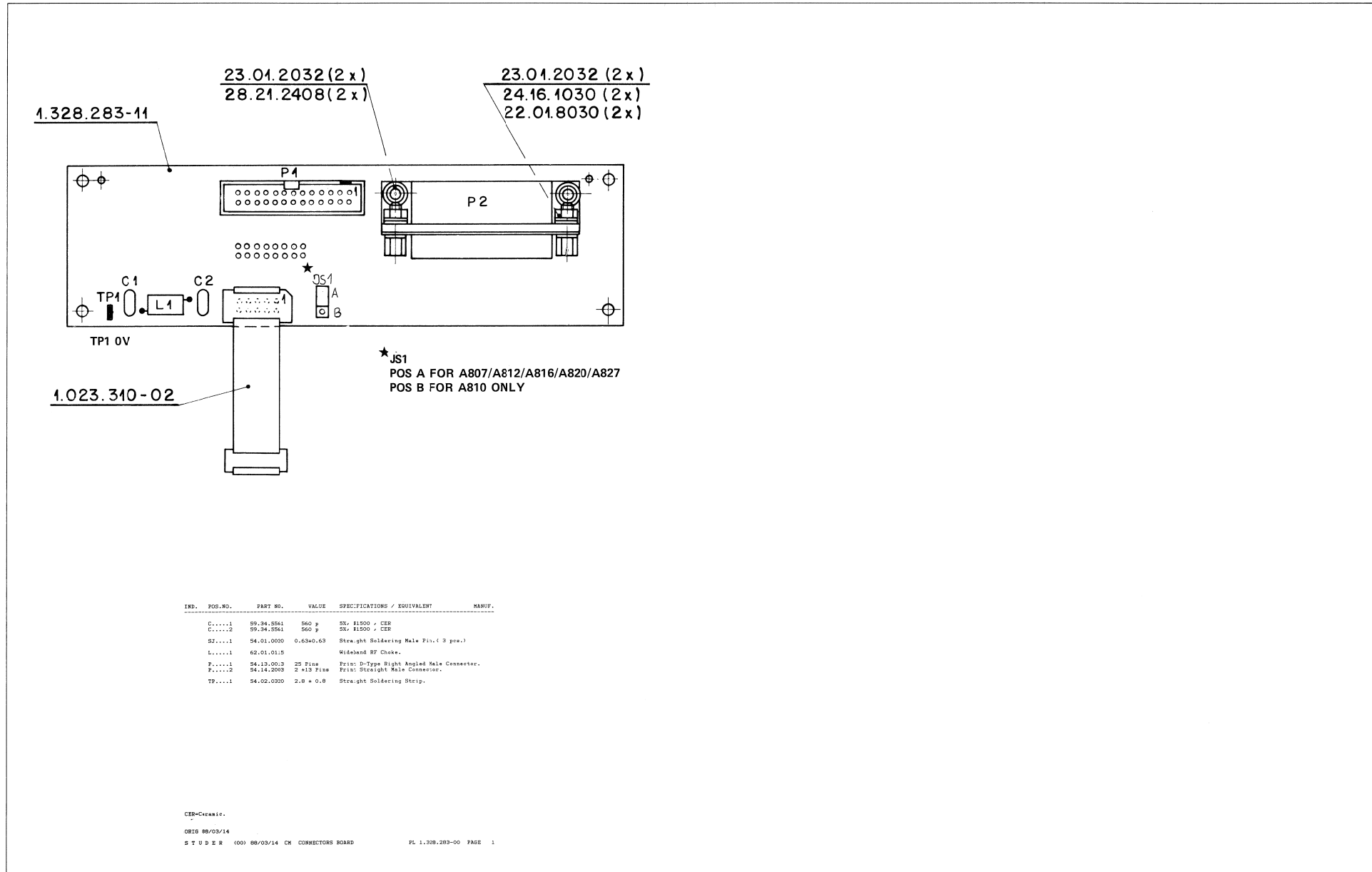


Flat cable 1.023.310-03
 From Main Board 1.328.282-20

★ JS1
 POS A FOR A807/A812/A816/A820/A827
 POS B FOR A810 ONLY

260488 C Metz	Varispeed	PAGE 1 OF 1
STUDER		SC 1.328.283-00

VARISPEED CONTROLLER 1.328.280.00
 -VARISPEED CONNECTORS BOARD 1.328.283.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.34.5561	560 p	5X: #1500 / CER	
C.....2		59.34.5561	560 p	5X: #1500 / CER	
SF.....1		54.01.0090	0.63x0.63	Straight Soldering Male Pin.(3 pos.)	
L.....1		62.01.0115		Wideband RF Choke.	
P.....1		54.13.0013	25 Pins	Pin: D-Type Right Angled Male Connector.	
P.....2		54.14.2003	2 *13 Pins	Pin: Straight Male Connector.	
TP.....1		54.02.0320	2.0 * 0.0	Straight Soldering Strip.	

CER=Ceramic.

ORIG 88/03/14

S T U D E R (00) 88/03/14 CH CONNECTORS BOARD

PL 1.328.283-00 PAGE 1

REMOTE TIMER (RS232) 1.328.275.00



REMOTE TIMER (RS232) 1.328.275.00

Pos.	Qty.	Order Number	Part Name	Specification
1	17 2	1.010.045.21 21.51.2354	Countersunk allen screw, blk Countersunk allen screw, Ni	M3 × 6 M3 × 5
2	4	31.02.0211	Foot	D16 × 6,5
3	1	1.328.275.01	Front cover	
4	1 1	1.810.253.00 1.810.303.01	Display cover compl. Display cover	
5	1	1.810.303.02	Glas pane	
6	1 1	1.011.210.14 1.011.210.01	Label ZERO TIMER Push button	
7	1 1	1.011.210.15 1.011.210.01	Label ZERO LOC Push button	

Connecting cable

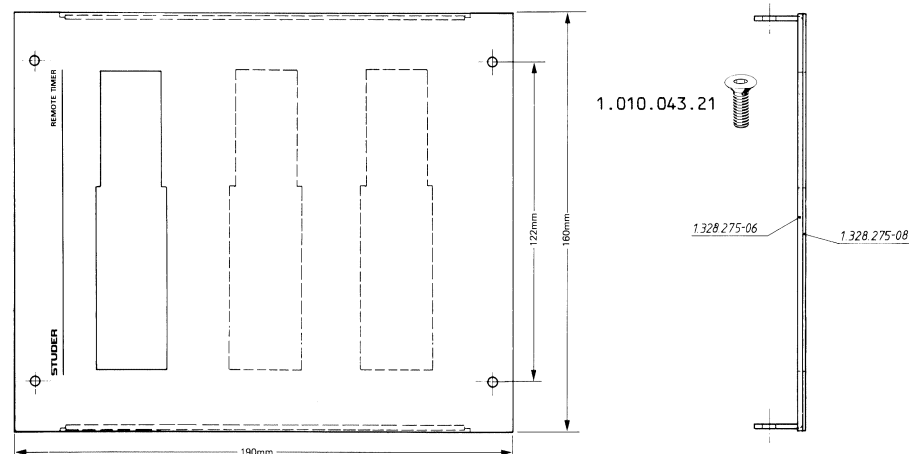
Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.297.00	Connection cable 9-pin 15m	

Accessories

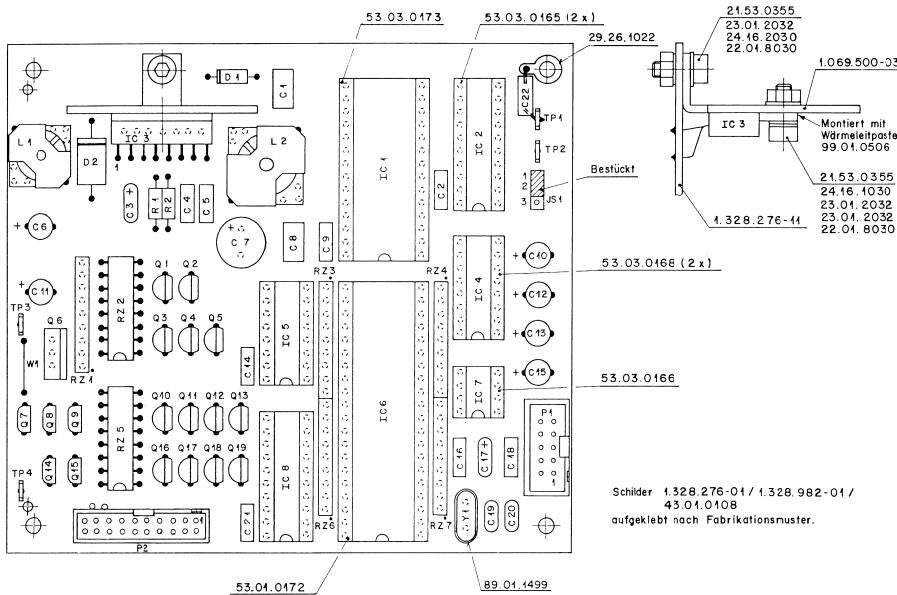
Pos.	Qty.	Order Number	Part Name	Specification
		1.328.275.31	Mounting frame for 1 counter	
		1.328.275.32	Mounting frame for 2 counter	
		1.328.275.33	Mounting frame for 3 counter	

ZUBEHÖR

ACCESSORIES



REMOTE TIMER (RS232) 1.328.275.00
-CPU BOARD 1.328.276.21



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1	59.06.0474		.47 u	10%, 63V / PETP	
C....2	59.06.0683		.068 u	10%, 63V / PETP	
C....3	59.26.5239		2.2 u	20%, 25V / SL	
C....4	59.06.0222		2200 p	10%, 63V / PETP	
C....5	59.06.0385		.033 u	10%, 63V / PETP	
C....6	59.22.3101		100 u	-20%, 63V / EL	
C....7	59.22.3101		100 u	-20%, 63V / EL	
C....8	59.06.0474		.47 u	10%, 63V / PETP	
C....9	59.06.0683		.068 u	10%, 63V / PETP	
C....10	59.22.6230		22 u	-20%, 40V / EL	
C....11	59.22.6230		22 u	-20%, 40V / EL	
C....12	59.22.6230		22 u	-20%, 40V / EL	
C....13	59.22.6230		22 u	-20%, 40V / EL	
C....14	59.06.0683		.068 u	10%, 63V / PETP	
C....15	59.22.6230		22 u	-20%, 40V / EL	
C....16	59.06.0683		.068 u	10%, 63V / PETP	
C....17	59.26.2100		10 u	20%, 16V / SL	
C....18	59.06.0104		1 u	10%, 63V / PETP	
C....19	59.26.2330		33 p	SL, NISO / CER	
C....20	59.34.2330		33 p	SL, NISO / CER	
C....21	59.06.0683		.068 u	10%, 63V / PETP	
C....22	59.40.0104		1 u	10%, 63V / PETP	
D....1	50.04.0122	1R 4001	50 V, 1 A, SI		
D....2	50.04.0519	1R 5622	40 V, 3 A, Schottky		
IC....1	1.328.982.20		SM 50/87 REMOTE TIMER		St
IC....2	50.17.1573	74 HC 573	3-state Octal D-Type Latch		
IC....3	50.10.0110	1.296	Switching Voltage Regulator		SBS
IC....4	50.16.0120	MAX 232CPE	RS 232 Transmitter/Receiver		MAX
IC....5	50.17.1138	74 HC 138	1-of-8 Decoder/Swizzle		
IC....6	50.16.0119	HD 6380BPP	Microcomputer Unit (MSU), 8 Bit, 2 MHz		HI
IC....7	50.11.0122	TL 7705ACP	Reset Generator		TI
IC....8	50.17.1574	74 HC 574	3-state Non-Inverting Octal D-Type Flip-Flop		
JS....1	54.01.0021	2 x 0.63	Jumper (bridging 2 of 3 pins 54.01.0020)		

STUDER (00) 91/06/03 CM CPU BOARD PL 1.328.276-21 PAGE 1

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
TP....1	54.02.0320	2.8 x 0.8		Straight Soldering Pin	
TP....2	54.02.0320	2.8 x 0.8		Straight Soldering Pin	
TP....3	54.02.0320	2.8 x 0.8		Straight Soldering Pin	
TP....4	54.02.0320	2.8 x 0.8		Straight Soldering Pin	
Y....1	89.01.0560		4.9152 MHz		
W....1	1.010.324.04		4.3 x 10.2	Bridge	St

Suffix -01: The capacitor C22 (0.1 uF) was added to the print to (03.06.91) protect it against HF perturbations.

CER=Ceramic; EL=Electrolytic; MP=Metallized Paper; MHC=Metallized Poly-carbonate; MPETP=Metallized Polyester; PEP=Polyester; PETP=Polyester; PP=Polypropylene; PBP=Polybutyl; SAL=Solid Aluminium; T= tantalum; CER=Ceramic Metal; M=Metal; Plk.=Plastic.

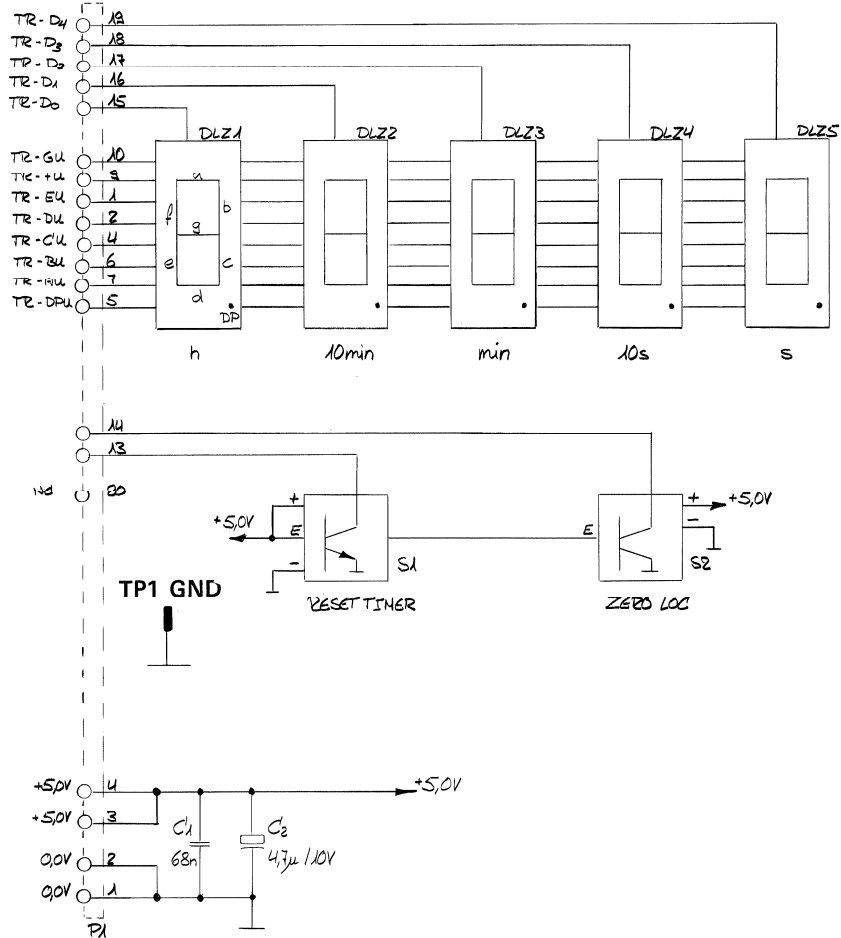
MANUFACTURERS:
F = Ferranti
HI = Hitachi
M = Muller
MAX = MAXIM
P = Philips (incl. Valve)
SBS = SBS Microelettronica Sp A
Sl = Siliconix
St = Studer
TI = Texas Instruments

ORIG 91/06/03
STUDER (00) 91/06/03 CM CPU BOARD PL 1.328.276-21 PAGE 3

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
L....1	1.022.191.00			Inductor	St
L....2	1.022.252.00		0.32 uH	Filter Coil, 0.4 A	St
F....1	54.14.2001		2 x 5 Pin	Straight Print Male Connector	
F....2	54.14.2006		2 x 10 Pin	Straight Print Male Connector	
G....1	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Six
G....2	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Six
G....3	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Six
G....4	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Six
G....5	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Six
G....6	50.09.0106	BT 138	400 V, 8 A, TRIAC		St
G....7	50.03.0352	ZTX 751 S	60 V, 2 A, PNP Si		Pe
G....8	50.03.0352	ZTX 751 S	60 V, 2 A, PNP Si		Pe
G....9	50.03.0352	ZTX 751 S	60 V, 2 A, PNP Si		Pe
G....10	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Pe
G....11	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Pe
G....12	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Pe
G....13	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Pe
G....14	50.03.0352	ZTX 751 S	60 V, 2 A, PNP Si		Pe
G....15	50.03.0352	ZTX 751 S	60 V, 2 A, PNP Si		Pe
G....16	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Pe
G....17	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Six
G....18	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Six
G....19	50.03.1505	VN OB08 M	80 V, 0.35 A, FET N-Channel		Six
R....1	57.11.4472		4.7 k	2%, 0207, MF	
R....2	57.11.4153		15 k	2%, 0207, MF	
RZ....1	57.88.4332		8 x 3.3 k	2%, SIP 9	
RZ....2	57.88.3222		8 x 2.2 k	2%, DIL 16	
RZ....3	57.88.4332		8 x 3.3 k	2%, SIP 9	
RZ....4	57.88.4332		8 x 3.3 k	2%, SIP 9	
RZ....5	57.88.3101		8 x 100	2%, DIL 16	
RZ....6	57.88.4332		8 x 3.3 k	2%, SIP 9	
RZ....7	57.88.4332		8 x 3.3 k	2%, SIP 9	

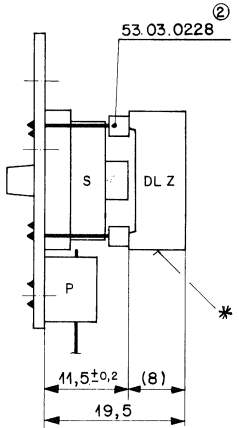
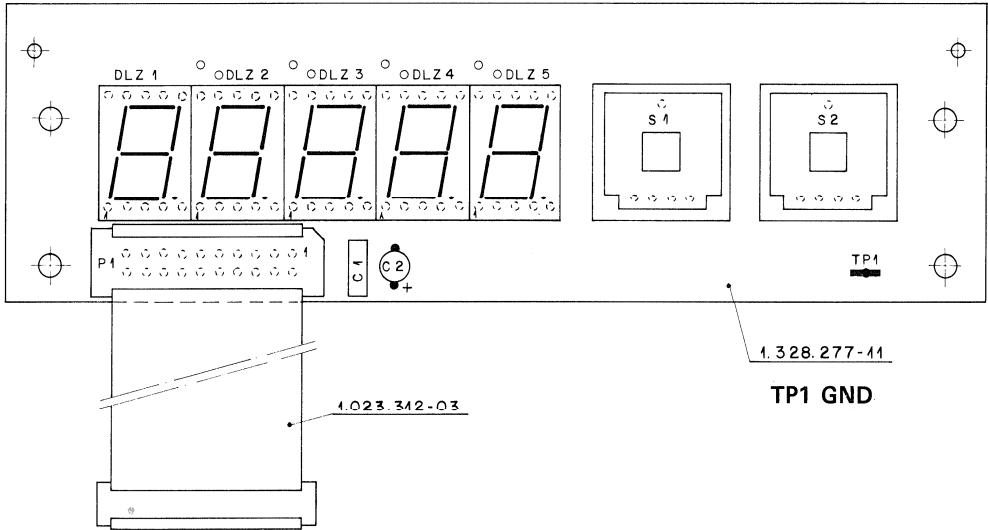
STUDER (00) 91/06/03 CM CPU BOARD PL 1.328.276-21 PAGE 2

REMOTE TIMER (RS232) 1.328.275.00
 -DISPLAY BOARD 1.328.277.00

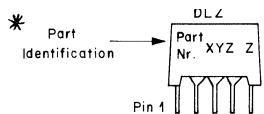


① 10.04.87	Rec	○ . .	○ . .	○ . .	○ . .
					PAGE 1 OF 1
STUDER		DISPLAY BOARD			1.328.277-00

REMOTE TIMER (RS232) 1.328.275.00
 -DISPLAY BOARD 1.328.277.00



Schild 1.328.277-01
 aufgeklebt nach Fabrikationsmuster



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.06.0693	.068 u	10%, 63V, PETP	
C....2		59.26.1479	4.7 u	20%, 10V, SAL	
DLZ...1		73.01.0124	MAN 6660	7-Segm. orange LED display, common anode	GI
DLZ...2		73.01.0124	MAN 6660	7-Segm. orange LED display, common anode	GI
DLZ...3		73.01.0124	MAN 6660	7-Segm. orange LED display, common anode	GI
DLZ...4		73.01.0124	MAN 6660	7-Segm. orange LED display, common anode	GI
DLZ...5		73.01.0124	MAN 6660	7-Segm. orange LED display, common anode	GI
P....1				see Note 2	
S....1		55.03.0261	RS 76 C	Momentary Key Switch 1 * OC	Rf
S....2		55.03.0261	RS 76 C	Momentary Key Switch 1 * OC	Rf
TP....1		54.02.0320	2.8 * 0.8	Straight soldering pin	

Index 01 : Part #53.03.0228 replaces part #53.03.0222 (10.11.88)

(01) Note 1 : All DLZ devices are plugged into socket terminal strips #53.03.0228 (2 * 5 sockets for each device).
 Note 2 : Print connector 54.14.5034 of the 20-conductors ribbon cable #1.023.312.03 is soldered on print.

PETP=Polyester, SAL=Solid Aluminium

MANUFACTURERS :
 GI = General Instruments
 RE = RaFi

ORIG 88/11/10

STUDER (01) 88/11/10 CM DISPLAY BOARD

PL 1.328.277-00 PAGE 1

REMOTE TIMER/LAP MODE DISPLAY (SERIAL) 1.328.270.00



REMOTE TIMER/LAP MODE DISPLAY (SERIAL) 1.328.270.00

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.270.00	Remote timer/lap mode display self-adhesive Labels: see page 71	
	1	1.328.213.81	STABILIZER PCB	
	3	21.53.0354	Allen screw	M3 × 6
	3	23.01.1032	Washer	D3,2 / 6 × 0,5
	3	24.16.1030	Fin washer	D3,2 / 5,5
	1	1.328.272.24	TIMER DRIVER PCB	
	4	21.53.0354	Allen screw	M3 × 6
	3	23.01.1032	Washer	D3,2 / 6 × 0,5
	3	24.16.1030	Fin washer	D3,2 / 5,5
	1	24.16.2030	Serrated lock washer	D3,2
	1	1.328.271.00	TIMER DISPLAY PCB	
	1	1.328.270.14	Insulation	
	2	21.53.0354	Allen screw	M3 × 6
	2	23.01.1032	Washer	D3,2 / 6 × 0,5
	2	24.16.1030	Fin washer	D3,2 / 5,5
1	2	1.010.025.21	Oval head allen screw	M3 × 6
2	1	1.328.270.02	Push button housing	
	1	1.810.300.05	Damping strip	
3	2	1.011.210.01	Push button	
	2	1.010.202.37	Pressure spring	
4	1	1.328.270.01	Front cover	
	4	1.010.034.21	Countersunk head allen screw	M4 × 8
5	1	1.328.274.00	Housing	
	6	1.010.045.21	Countersunk head allen screw	M3 × 6
6	1	1.328.273.00	Bottom cover	
	4	31.02.0211	Foot	
7	1	1.820.232.02	Filter screen red	

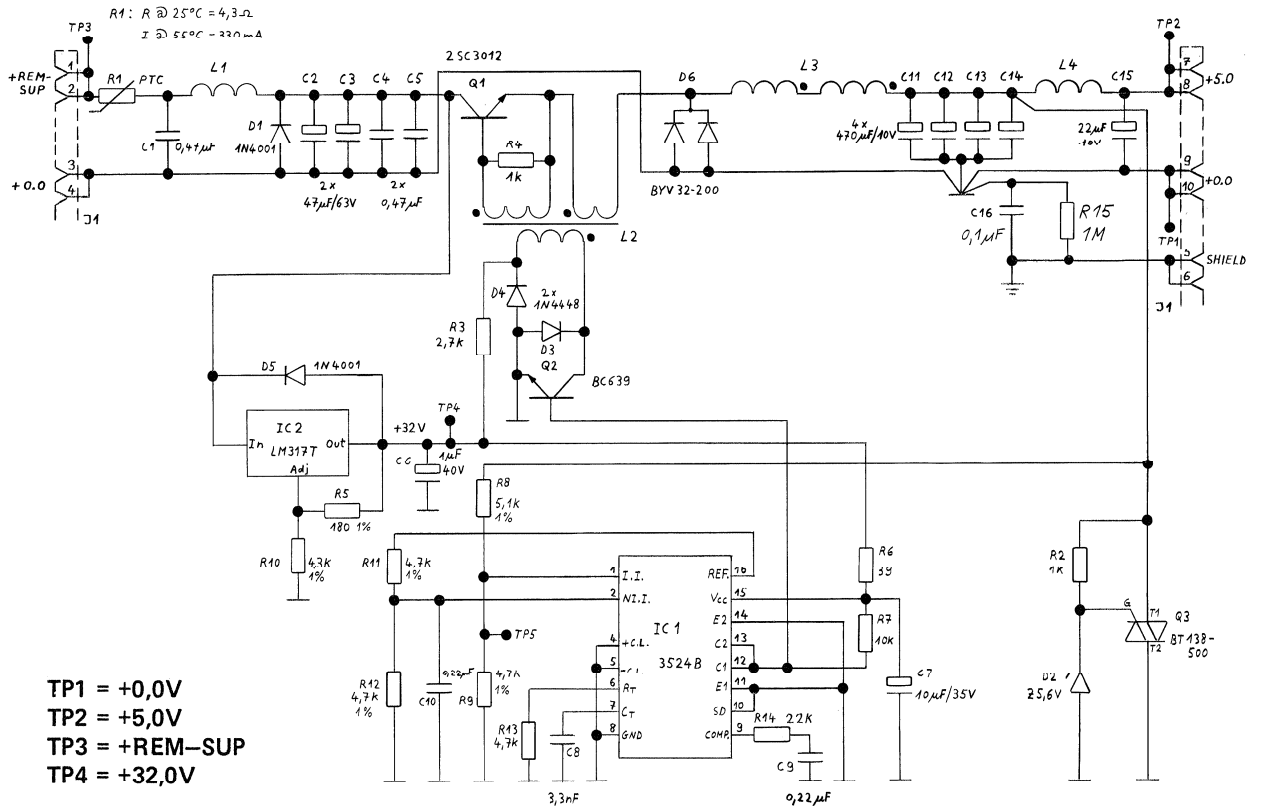
Connecting cable

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.293.81	Connection cable 9-pin 15m	

REMOTE TIMER/LAP MODE DISPLAY 1.328.270.00
 -STABILIZER PCB 1.328.213.81

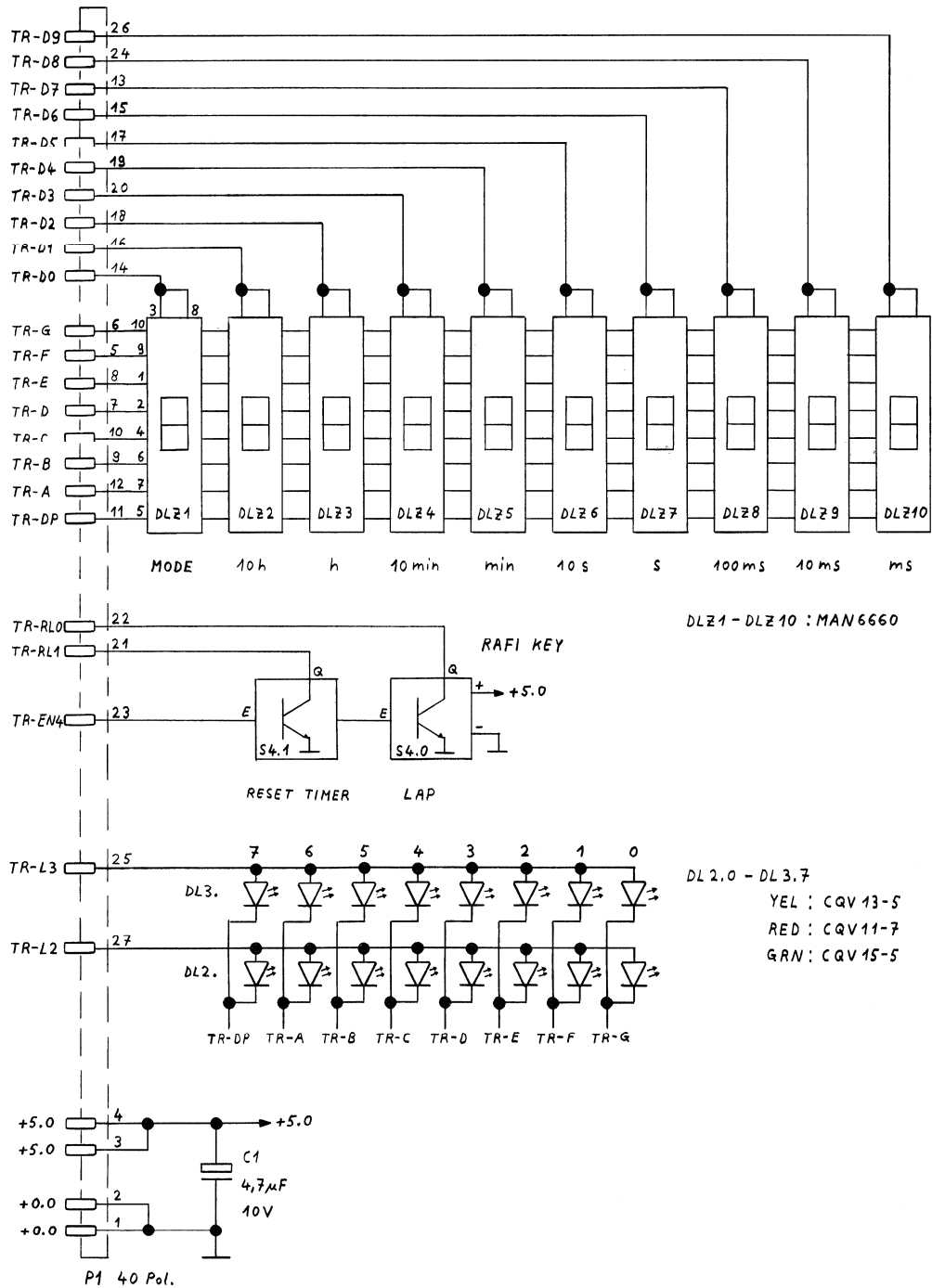


- L1 : 1.022.252.00
- L2 : 1.022.224.00
- L3 : 1.022.217.00
- L4 : 1.022.202.00



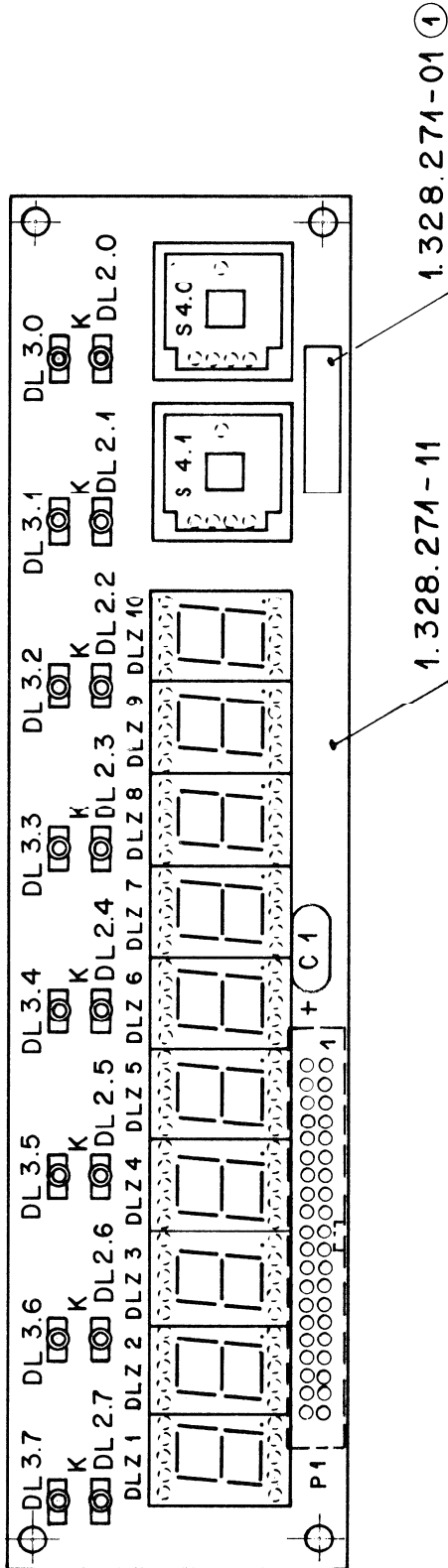
24.10.85 CHE	. . .	. . .	. . .	. . .
A820/A812	PAGE 1 OF 1			
STUDER	STABILIZER BOARD	SC	1.328.213.81	

REMOTE TIMER/LAP MODE DISPLAY 1.328.270.00
 -TIMER DISPLAY PCB 1.328.271.00



© 1.10.84 CHE	A820 / A812		
STUDER	TIMER DISPLAY BOARD	SC 1.328.271.00	PAGE 1 OF 1

REMOTE TIMER/LAP MODE DISPLAY 1.328.270.00
-TIMER DISPLAY PCB 1.328.271.00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1		59.26.1479	4.7uF	-20%, 10V, Sal	Ph/Ri
DL..2.0		50.04.2130	LY 3160-GK	Yellow	Sie
DL..2.1			not used		Sie
DL..2.2		50.04.2130	LY 3160-GK	Yellow	Sie
DL..2.3		50.04.2130	LY 3160-GK	Yellow	Sie
DL..2.4		50.04.2131	LS 3160-GK	Green	Sie
DL..2.5		50.04.2129	LS 3160-HL	Red	Sie
DL..2.6		50.04.2130	LY 3160-GK	Yellow	Sie
DL..2.7		50.04.2131	LS 3160-GK	Green	Sie
DL..3.0		50.04.2130	LY 3160-GK	Yellow	Sie
DL..3.1			not used		Sie
DL..3.2		50.04.2130	LY 3160-GK	Yellow	Sie
DL..3.3		50.04.2130	LY 3160-GK	Yellow	Sie
DL..3.4		50.04.2130	LY 3160-GK	Yellow	Sie
DL..3.5		50.04.2130	LY 3160-GK	Yellow	Sie
DL..3.6		50.04.2130	LY 3160-GK	Yellow	Sie
DL..3.7		50.04.2130	LY 3160-GK	Yellow	Sie
DLZ...1		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...2		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...3		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...4		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...5		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...6		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...7		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...8		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...9		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...10		73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
S...4.0		55.03.0261	TTL-switch	1 * CC, Rafi Nr. 3.13001.110	
S...4.1		55.03.0261	TTL-switch	1 * CC, Rafi Nr. 3.13001.110	
F.....1		59.19.2004	40 cont.	see note 1	

STUDER (00) 86/12/01 BD TIMER DISPLAY BOARD PL 1.328.271.00 PAGE 1

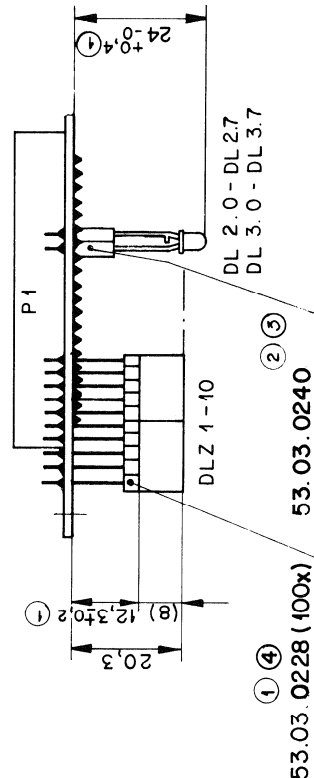
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
Note 1 - Connector: Yamaichi Nr. FAP-40-08-40SS Burdyn Nr. BPH 9 B 40 B00 GS					

Sal=Solid Aluminium

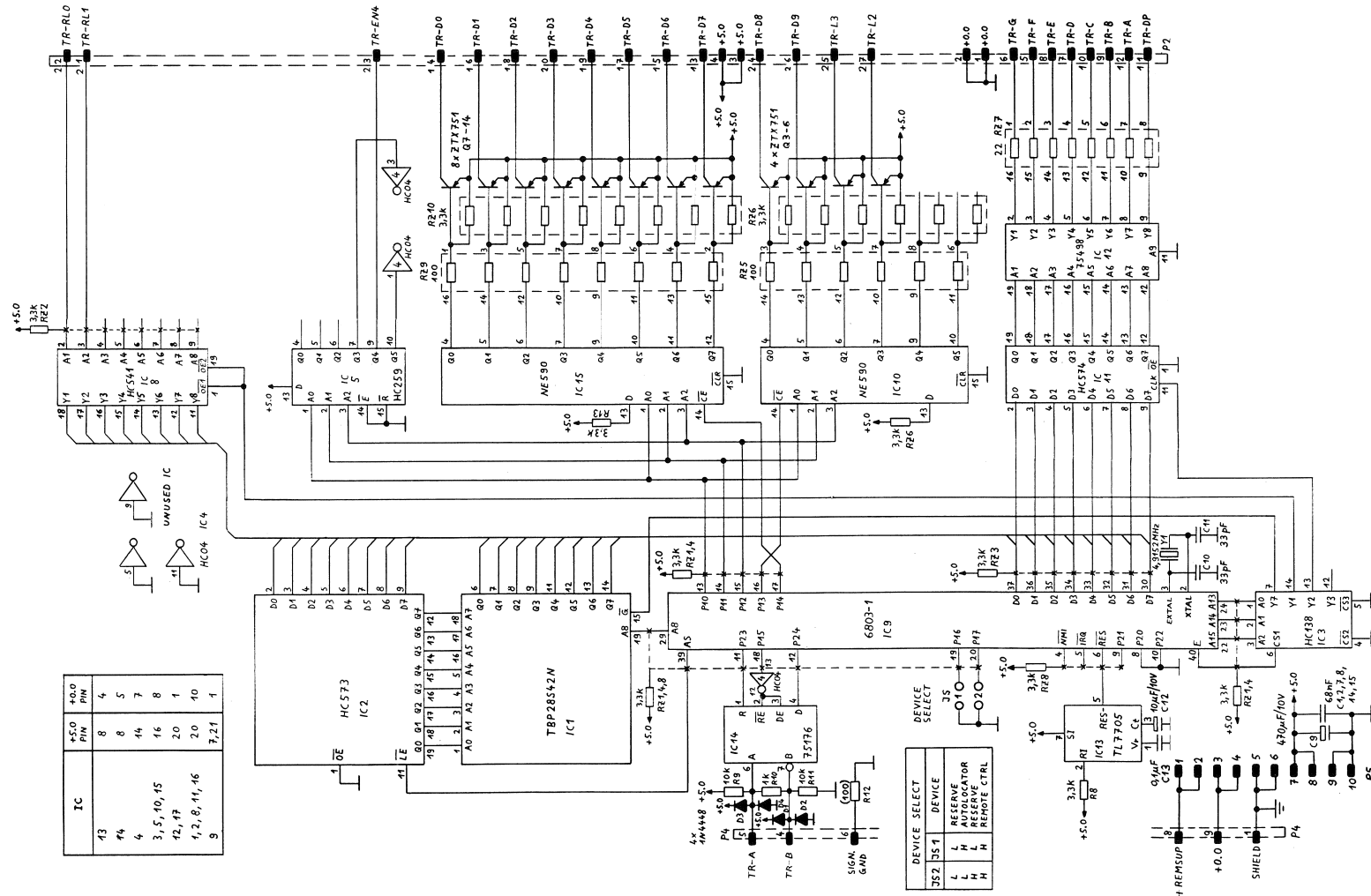
MANUFACTURERS: GI=General Instruments; Ph=Philips; Ri=Rifa; Sie=Siemens.

ORIG 86/12/01

STUDER (00) 86/12/01 BD TIMER DISPLAY BOARD PL 1.328.271.00 PAGE 2



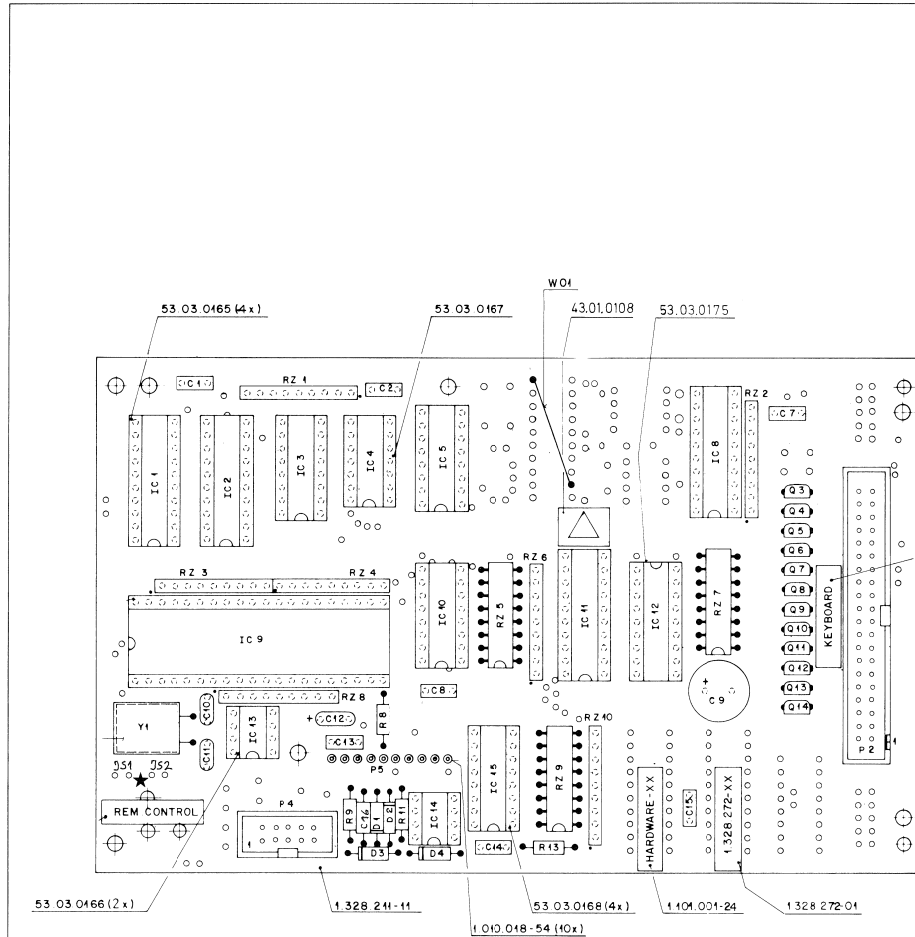
REMOTE TIMER/LAP MODE DISPLAY 1.328.270.00
 -TIMER DRIVER PCB 1.328.272.24



IC	+5.0 PIN	+0.0 PIN
13	8	4
14	8	5
4	14	7
3, 5, 10, 15	16	8
12, 17	20	1
1, 2, 8, 11, 16	20	10
9	7, 21	1

20	29.03.85	CHE						
STUDER		A 820 / A 812		PAGE 1 OF 1				
TIMER DRIVER BOARD				'ESE' SC		1.328.272.24		

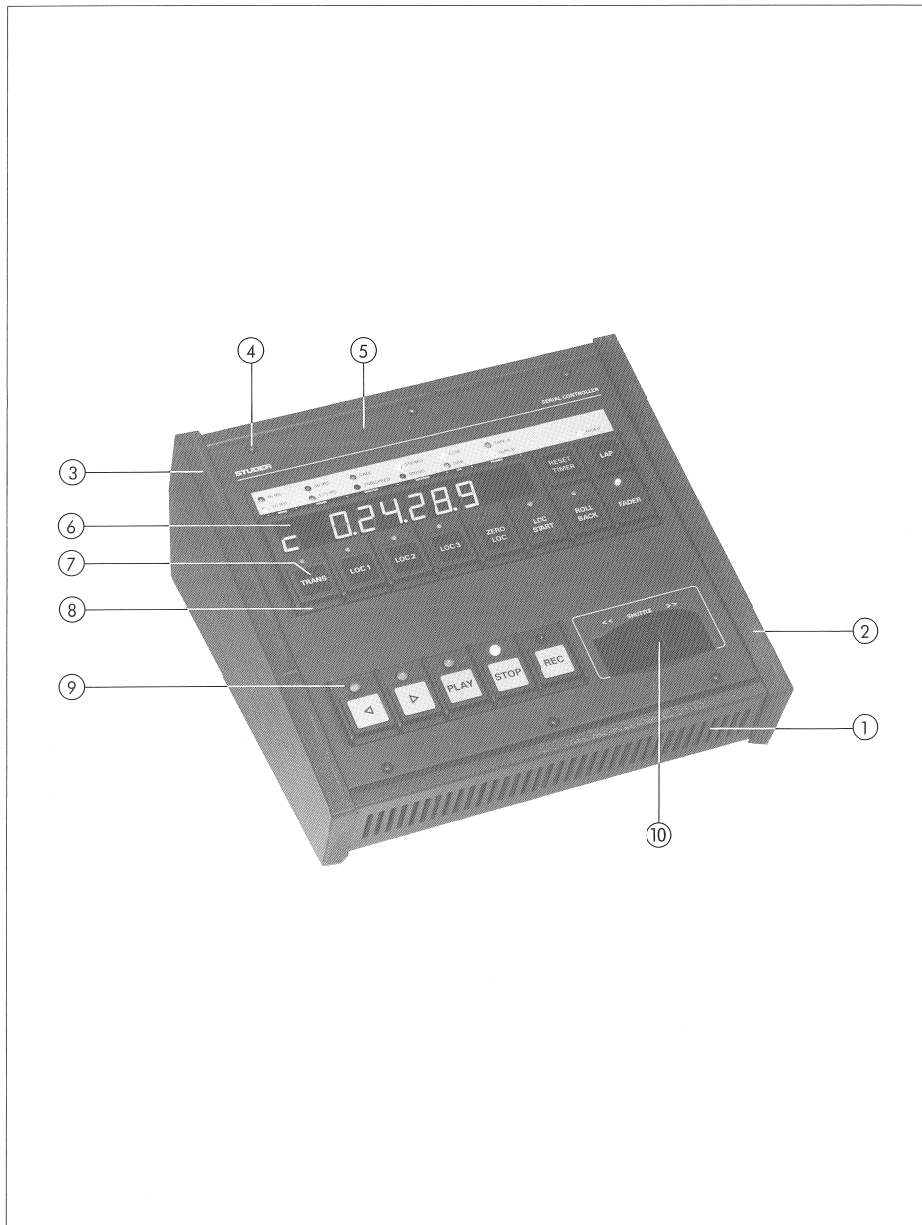
REMOTE TIMER/LAP MODE DISPLAY 1.328.270.00
-TIMER DRIVER PCB 1.328.272.24



★ JS1/JS2
NOT EQUIPPED
NICHT BESTÜCKT

Ad	.POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	.POS.	REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.06.0683	68 nF	10%, 63V, PETP					Ph=Philips, RCA=RCA Corporation, Ses=Sescom, SGS=SGS/Ates, Sig=Signetics, Sp=Sprague, St=Studer, Tf=Telefunken, TI=Texas Instruments, To=Toshiba.	
C....2	59.06.0683	68 nF	10%, 63V, PETP		1.328.272.00			TIMER DRIVER BOARD	SU 85/04/2300
C....7	59.06.0683	68 nF	10%, 63V, PETP		1.328.272.00			TIMER DRIVER BOARD	SU 85/04/2320
C....8	59.06.0683	68 nF	10%, 63V, PETP		1.328.272.00			TIMER DRIVER BOARD	BD 86/12/0121
C....9	59.23.1971	470 uF	-20%, 10V, EI		1.328.272.00			TIMER DRIVER BOARD	BD 86/12/0822
C....10	59.34.2330	33 pF	5%, N150, Cer		1.328.272.00			TIMER DRIVER BOARD	CM 89/01/1823
C....11	59.34.2330	33 pF	5%, N150, Cer		1.328.272.00			TIMER DRIVER BOARD	DUB89/09/2524
C....12	59.26.1100	10 uF	20%, 10V, SaI						
C....13	59.06.0104	100 nF	10%, 63V, PETP						
C....14	59.06.0683	68 nF	10%, 63V, PETP						
C....15	59.06.0683	68 nF	10%, 63V, PETP						
C....16	59.03.2472	4.7 nF	10%, 63V, PETP						
D....1	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf					
D....2	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf					
D....3	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf					
D....4	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf					
23	IC....1	1.328.999.22	Software 29/87 REM-CTR. DRIVER	St					
	IC....2	50.17.1573	74 HC 573 .. 74 HC 573 .	Mot,NS,Ph,RCA,SGS,TI,To					
	IC....3	50.17.1138	74 HC 138 .. 74 HC 138 .	Mot,NS,Ph,RCA,SGS,TI,To					
	IC....4	50.17.1004	74 HC 04 .. 74 HC 04 .	Mot,NS,Ph,RCA,TI,To					
	IC....5	50.17.1259	74 HC 259 .. 74 HC 259 .	Mot,NS,Ph,RCA,SGS,TI,To					
	IC....8	50.17.1541	74 HC 541 .. 74 HC 541 .	Mot,NS,Ph,RCA,SGS,TI,To					
	IC....9	50.15.0107	HC 6803P-1	Hi,Mot					
	IC....10	50.15.0102	NE 590 N	Sig					
21	IC....11	50.17.1564	74 HC 564 .. 74 HC 564 .	Mot,NS,Ph,RCA,TI					
	IC....12	50.15.0138	UDN-2956A	Sp					
	IC....13	50.11.0122	TL705ACP	TI					
	IC....14	50.15.0115	SN 7516AP	NS,TI					
	IC....15	50.15.0102	NE 590 N	Sig					
P....2			see note 3						
P....4			see note 2						
P....5			see note 4						
Q....3	50.03.0392	ZTX 751 S		Fe					
Q....4	50.03.0392	ZTX 751 S		Fe					
Q....5	50.03.0392	ZTX 751 S		Fe					
Q....6	50.03.0392	ZTX 751 S		Fe					
Q....7	50.03.0392	ZTX 751 S		Fe					
Q....8	50.03.0392	ZTX 751 S		Fe					
Q....9	50.03.0392	ZTX 751 S		Fe					
Q....10	50.03.0392	ZTX 751 S		Fe					
Q....11	50.03.0392	ZTX 751 S		Fe					
Q....12	50.03.0392	ZTX 751 S		Fe					
Q....13	50.03.0392	ZTX 751 S		Fe					
Q....14	50.03.0392	ZTX 751 S		Fe					
R....8	57.11.4332	3.3 kOhm	2%						
R....9	57.11.4103	10 kOhm	2%						
R....10	57.11.4102	1 kOhm	2%						
24	R....10	00.00.0000	not used	replaced by C16					
R....11	57.11.4103	10 kOhm	2%						
R....12	00.00.0000	not used							
R....13	57.11.4332	3.3 kOhm	2%						
RZ....1	57.88.4332	Network, 8 * 3.3 kOhm, 2%, single line							
RZ....2	57.88.4332	Network, 8 * 3.3 kOhm, 2%, single line							
RZ....3	57.88.4332	Network, 8 * 3.3 kOhm, 2%, single line							
RZ....4	57.88.4332	Network, 8 * 3.3 kOhm, 2%, single line							
RZ....5	57.88.3101	Network, 8 * 100 Ohm, 5%, DIL 16							
RZ....6	57.88.4332	Network, 8 * 3.3 kOhm, 2%, single line							
RZ....7	57.88.3220	Network, 8 * 22 Ohm, 5%, DIL 16							
RZ....8	57.88.4332	Network, 8 * 3.3 kOhm, 2%, single line							
RZ....9	57.88.3101	Network, 8 * 100 Ohm, 2%, DIL 16							
RZ....10	57.88.4332	Network, 8 * 3.3 kOhm, 5%, single line							
23	W....1	1.010.108.64	Wrap wire, D = 0.255, L = 80 MM.	St.					
Y....1	89.01.0560	4.9152 Mhz	+100 ppm, Nymph Nr. TD 18/NHP 049						
Index (01) : Wrap Wire #1.010.108.64 introduced at 18.01.89.									
(20)	23.04.85	PCB lay-out -11							
(21)	01.12.86	IC 12 (SN 7568 N) delivered for spare purpose only. New devices IC 11 and IC 12.							
(22)	08.12.86	Extended Autolocator Key Board.							
(23)	05.06.87	Software 29/87							
(23.1)	18.01.89	Wire bridge W01							
(24)	25.09.89	Improved noise suppression on differential line.							
Note 2	Connector: 10 Contacts Studer Nr. 54.14.2001 Yamaha Nr. FAP-10-08/14 Burdny Nr. BPH 7 B 10 800 GS								
Note 3	Connector: 40 Contacts Studer Nr. 54.14.2004 Yamaha Nr. FAP-40-08/14 Burdny Nr. BPH 9 B 40 800 GS								
Note 4	Connector: 10 Pieces Studer Nr. 1.010.018.54								
Cer=Ceramic, El=Electrolytic, PETP=Polyester film, Sa=Solid aluminium.									
MANUFACTURERS: Fc=Fairchild, Fe=Ferranti, Hi=Hitachi, Is=Intersil, ITT=Intermetall, Mot=Motorola, NS=National Semiconductors									

REMOTE CONTROL CABINET (SERIAL) 1.328.210.82

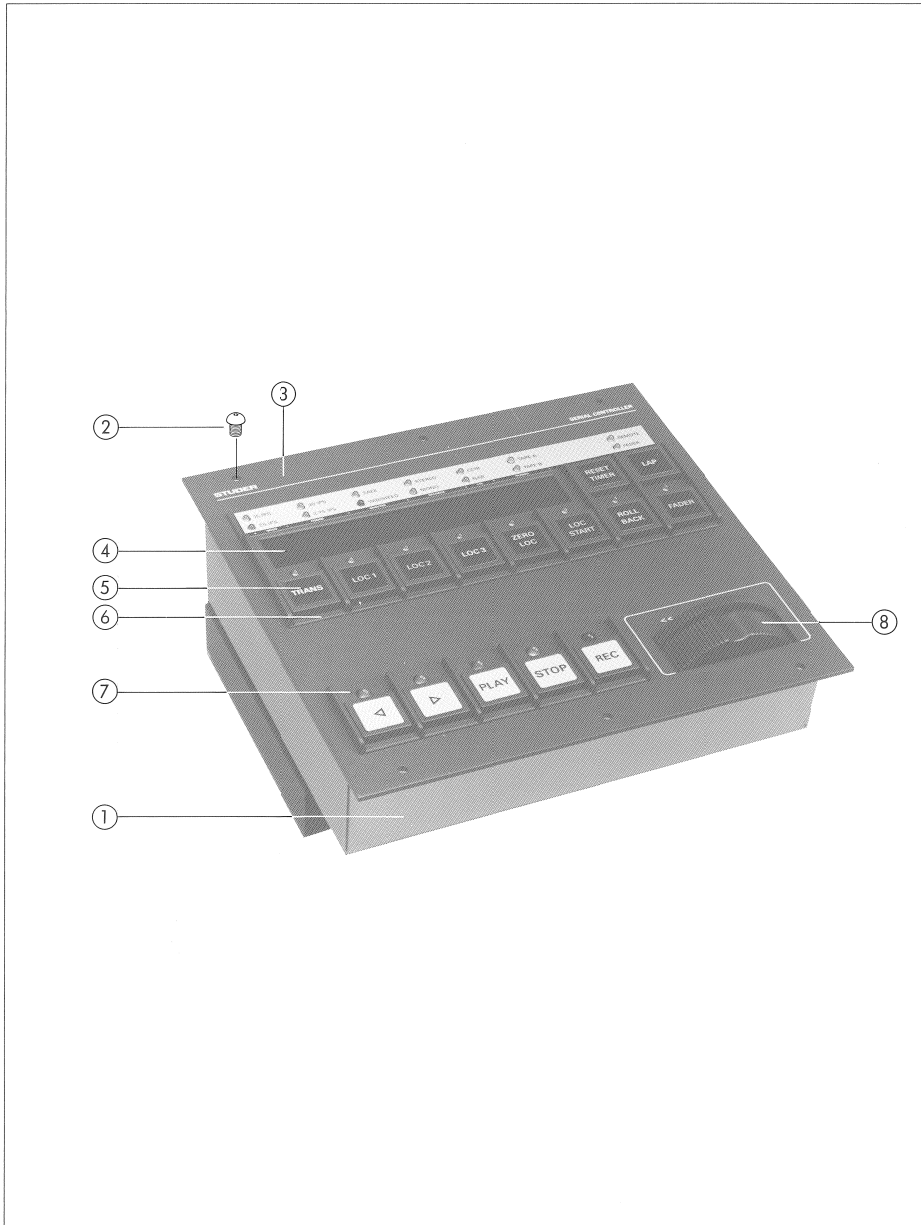


Pos.	Qty.	Order Number	Part Name	Specification
		1.328.210.82	Serial Remote Control:	Cabinet
	1	1.328.213.81	Stabilizer Board	
	1	1.328.211.25	Remote Control Driver Board	
	1	1.328.212.81	Remote Control Display Board	
1	1	1.820.922.00	Housing compl.	(incl. Pos. 2/3 and feet)
	4	31.02.0211	Foot	
2	1	1.328.210.02	Wooden side panel	Right
	2	21.53.0454	Chees head allen screw	M4 × 6
	2	24.16.1040	Fin washer	D4,3 / 7
3	1	1.328.210.01	Wooden side panel	Left
	2	21.53.0454	Chees head allen screw	M4 × 6
	2	24.16.1040	Fin washer	D4,3 / 7
4	6	1.010.025.21	Oval head allen screw	M3 × 6
5	1	1.328.210.03	Front cover:	Cabinet
6	1	1.820.232.02	Filter screen red	
7	15	1.011.210.01	Push button	
	15		Self-adhesive Labels: see page 71	
	15	1.010.202.37	Pressure spring	
8	1	1.820.232.81	Push button housing compl.	(incl. Pos 6/7/8)
	1	1.820.232.01	Push button housing	
	1	1.810.300.05	Damping strip for:	2 buttons
	1	1.810.232.03	Damping strip for:	8 buttons
9	1	1.810.302.81	Push button housing	compl.
	1	1.810.300.03	Push button housing	
	1	1.810.300.06	Damping strip for	5 buttons
10	1	1.328.215.81	Shuttle Assembly compl.	
	1	1.328.214.00	Shuttle Board	

Connecting cable

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.293.81	Connection cable 9-pin 15m	

REMOTE CONTROL MODULE (SERIAL) 1.328.220.82

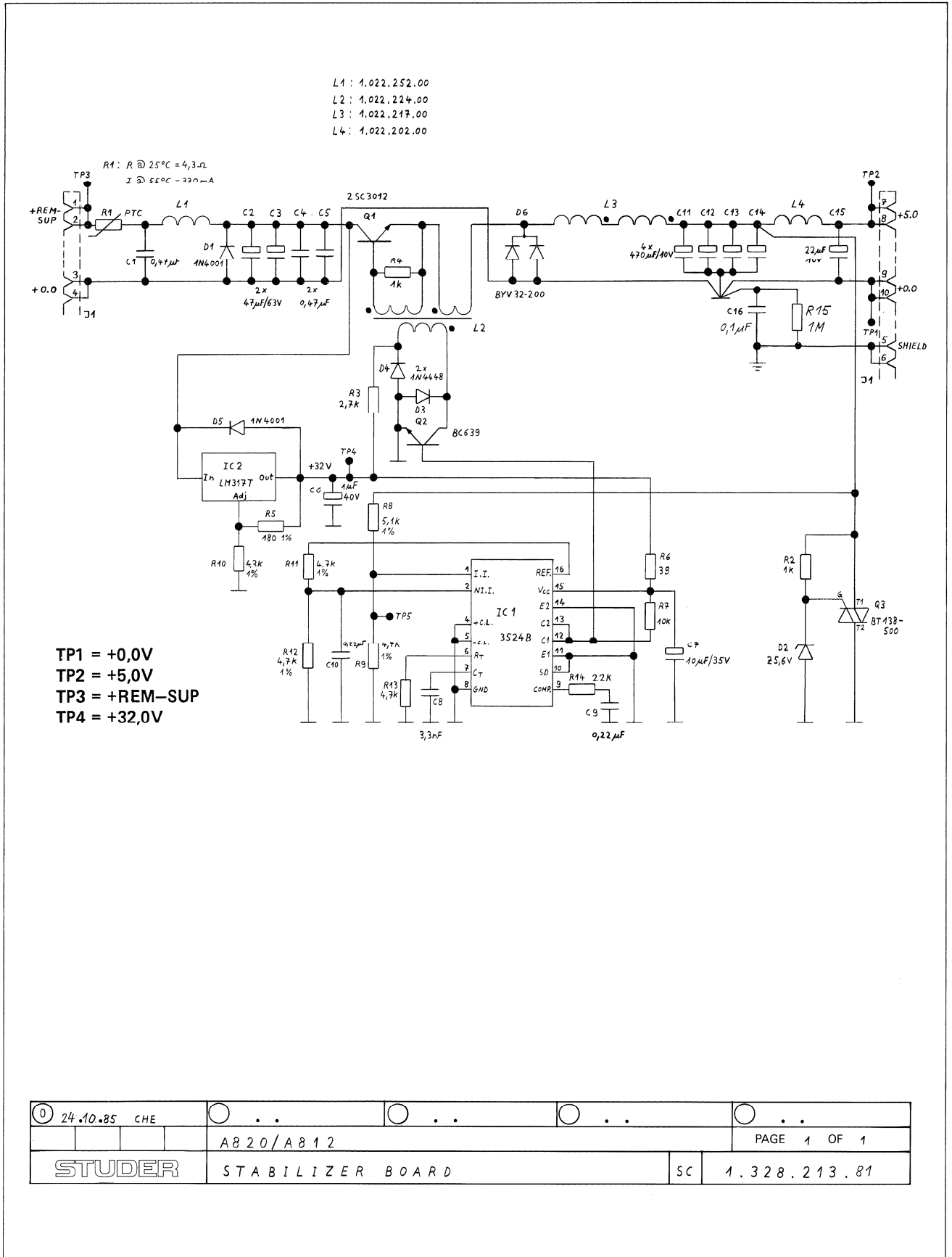


Pos.	Qty.	Order Number	Part Name	Specification
		1.328.220.82	Serial Remote Control:	Module
	1	1.328.213.81	Stabilizer Board	
	1	1.328.211.25	Remote Control Driver Board	
	1	1.328.212.81	Remote Control Display Board	
1	1	1.328.220.01	Housing (Part)	
	1	1.328.220.02	Bottom cover	
2	6	1.010.025.21	Oval head allen screw	M3 × 6
3	1	1.328.220.11	Front cover	Module
4	1	1.820.232.02	Filter screen red	
5	15	1.011.210.01	Push button	
	15		Self-adhesive Labels: see page 71	
	15	1.010.202.37	Pressure spring	
6	1	1.820.232.81	Push button housing compl.	(incl. Pos 6/7/8)
	1	1.820.232.01	Push button housing	
	1	1.810.300.05	Damping strip for:	2 buttons
	1	1.810.232.03	Damping strip for:	8 buttons
7	1	1.810.302.81	Push button housing compl.	
	1	1.810.300.03	Push button housing	
	1	1.810.300.06	Damping strip for:	5 buttons
8	1	1.328.215.81	Shuttle Assembly compl.	
	1	1.328.214.00	Shuttle Board	

Connecting cable

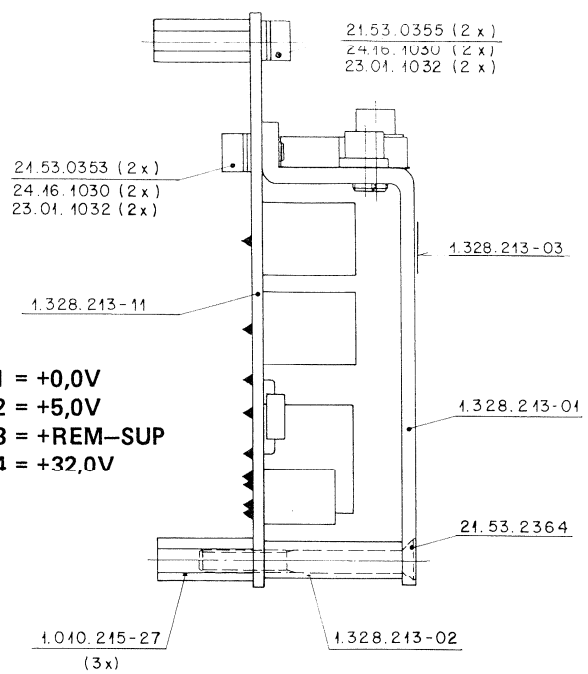
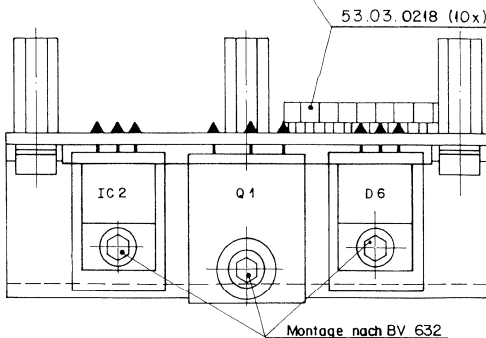
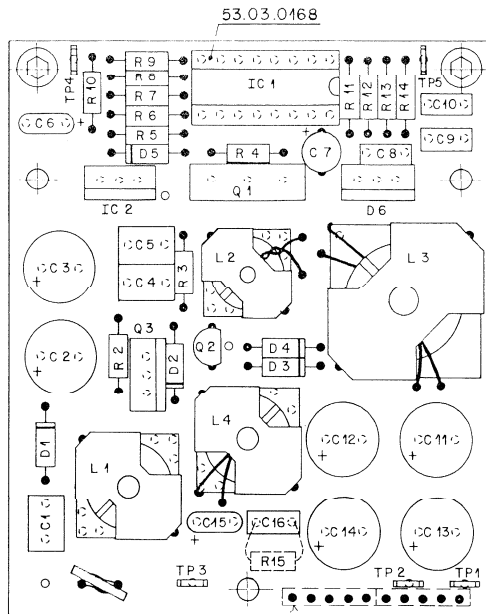
Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.293.81	Connection cable 9-pin 15m	

REMOTE CONTROL CABINET (SERIAL) 1.328.210.82
 REMOTE CONTROL MODULE (SERIAL) 1.328.220.82
 -STABILIZER PCB 1.328.213.81



24.10.85	CHE						
A820/A812				PAGE 1 OF 1			
STUDER		STABILIZER BOARD			SC	1.328.213.81	

REMOTE CONTROL CABINET (SERIAL) 1.328.210.82
 REMOTE CONTROL MODULE (SERIAL) 1.328.220.82
 -STABILIZER PCB 1.328.213.81



TP1 = +0,0V
 TP2 = +5,0V
 TP3 = +REM-SUP
 TP4 = +32,0V

Schilder 43.01.0108 und 1.328.213-01 aufgeklebt nach Muster.

Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER
C.....1	59.06.0474	0.47 uF	10%, PETP	
C.....2	59.22.8470	47 uF	20%, 63V, EL	
C.....3	59.22.8470	47 uF	20%, 63V, EL	
C.....4	59.06.0474	0.47 uF	10%, PETP	
C.....5	59.06.0474	0.47 uF	10%, PETP	
C.....6	59.26.9109	1 uF	20%, 40V, SAL	
C.....7	59.22.6100	10 uF	-20%, 35V, EL	
C.....8	59.06.0332	3300 pF	10%, PETP	
C.....9	59.06.0224	0.22 uF	10%, PETP	
C.....10	59.06.0224	0.22 uF	10%, PETP	
C....11	59.22.3471	470 uF	-20%, 10V, EL	
C....12	59.22.3471	470 uF	-20%, 10V, EL	
C....13	59.22.3471	470 uF	-20%, 10V, EL	
C....14	59.22.3471	470 uF	-20%, 10V, EL	
C....15	59.26.1220	22 uF	20%, 10V, SAL	
C....16	59.06.0104	0.1 uF	10%, 50V, PETP	
D.....1	50.04.0122	1N 4001		Mot
D.....2	50.04.1108	5.6 V	BZX83 C 5V6, BZX55 C 5V6, ZPD 5.6	Ses,ITT
D.....3	50.04.0125	1N 4448		Fc,ITT,Ph,Ses
D.....4	50.04.0125	1N 4448		Fc,ITT,Ph,Ses
D.....5	50.04.0122	1N 4001		Mot
D.....6	50.04.0517	BYV32-200		Mot,Ph
IC....1	50.05.0279	SG 3524BN		SG
IC....2	50.10.0104	LM 317T	LM 317 SP	Tho,Mot,NS,TI
J.....1	00.00.0000	see note 1		

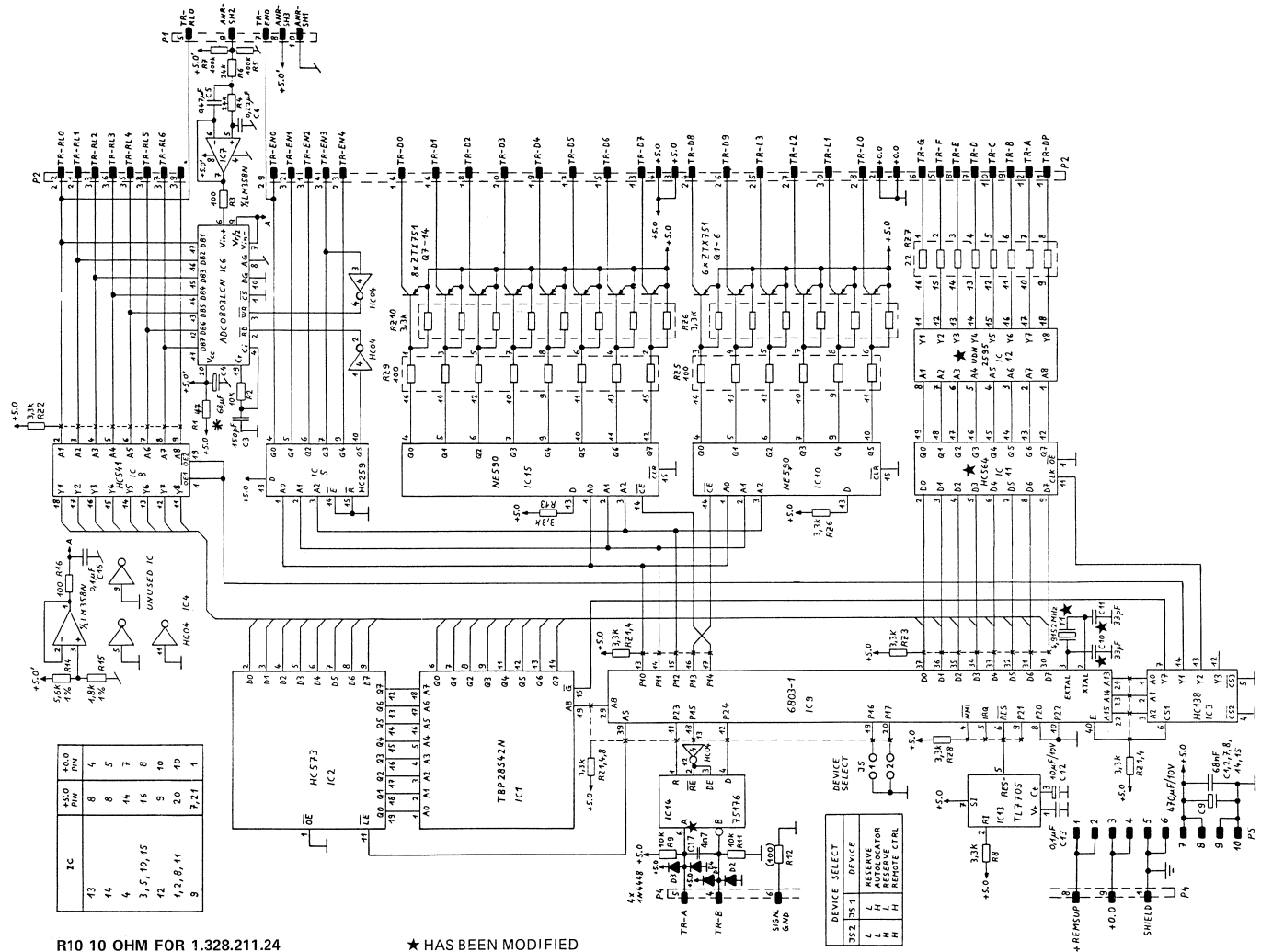
Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER
L.....1	1.022.252.00	0.32 mH	Filter Coil	St
L.....2	1.022.224.00		Power Supply Transformer	St
L.....3	1.022.217.00	46 uH	HF-Coil, 5A	St
L.....4	1.022.202.00	16.9 mH	Filter Coil	St
Q.....1	50.03.0517	2 SC 3012	NPN	NEC
Q.....2	50.03.0551	BC 639	NPN	Mot,Ph
Q.....3	50.99.0106	T 2800	400V, 8A, Triac	Ph
R.....1	57.92.1331	PTC	see note 2	Ph
R.....2	57.11.3102	1 kOhm	1%	
R.....3	57.11.3272	2.7 kOhm	1%	
R.....4	57.11.3102	1 kOhm	1%	
R.....5	57.11.3181	180 Ohm	1%	
R.....6	57.11.3390	39 Ohm	1%	
R.....7	57.11.3103	10 kOhm	1%	
R.....8	57.11.3512	5.1 kOhm	1%	
R.....9	57.11.3472	4.7 kOhm	1%	
R.....10	57.11.3432	4.3 kOhm	1%	
R.....11	57.11.3472	4.7 kOhm	1%	
R.....12	57.11.3472	4.7 kOhm	1%	
R.....13	57.11.3472	4.7 kOhm	1%	
R.....14	57.11.3223	22 kOhm	1%	
R.....15	57.11.3105	1 MOhm	1%	
TP....1	54.02.0320		Test Point	
TP....2	54.02.0320		Test Point	
TP....3	54.02.0320		Test Point	
TP....4	54.02.0320		Test Point	
TP....5	54.02.0320		Test Point	

EL=Electrolytic, SAL=Solid Aluminium, PETP=Polyester

MANUFACTURERS: Fc=Fairchild, ITT=Intermetall, Mot=Motorola, NEC=Nippon Electric Corp., NS=National Semiconductors, Ph=Philips, Ses=Sescossem, SG=Silicon General, St=Studer Tho=Thomson, TI=Texas Instruments

note 1 - Connector: 10 pieces Studer Nr.53.03.0218
 note 2 - PTC Thermistor: R @ 25 degree Celsius = 4.7 Ohm
 I @ 55 degree Celsius = 330 mA
 Philips Nr.2322 663 13311

REMOTE CONTROL CABINET (SERIAL) 1.328.210.82
 REMOTE CONTROL MODULE (SERIAL) 1.328.220.82
 -REMOTE CONTROL DRIVER PCB 1.328.211.25



R10 10 OHM FOR 1.328.211.24

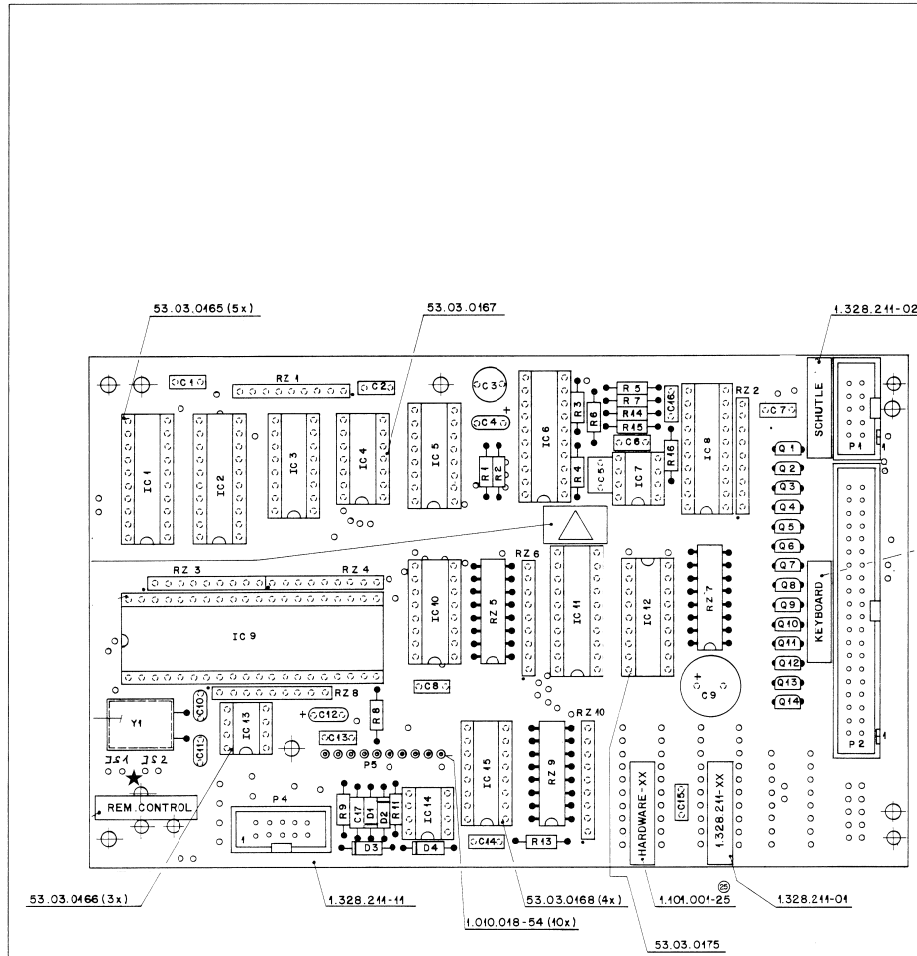
★ HAS BEEN MODIFIED

IC	part no.	pin
73	8	4
44	6	5
4	14	7
3, 5, 10, 15	16	8
42	9	10
1, 2, 6, 11	20	10
9	7, 21	1

DEVICE SELECT	35
L	RESERVE
H	AUTOMATIC
H	REVERSE CTRL
H	REVERSE CTRL

04, 01, 85	CHE	12.12.90	ZB	08, 12, 86	05, 06, 87	25, 09, 83	Dub
A 8 2 0 / A 8 1 2				PAGE 1 OF 1			
STUDER				REMOTE CONTROL DRIVER BOARD 'ESE' SC			
				1.328.211.00			

REMOTE CONTROL CABINET (SERIAL) 1.328.210.82
 REMOTE CONTROL MODULE (SERIAL) 1.328.220.82
 -REMOTE CONTROL DRIVER PCB 1.328.211.25



★ JS1/JS2
 NOT EQUIPPED
 NICHT BESTÜCKT

Ad	..POS..	..REF.No...	DESCRIPTION	MANUFACTURER
20	C....1	59.06.0683	68 nF	10%, 63V, PETP
20	C....2	59.06.0683	68 nF	10%, 63V, PETP
20	C....3	59.05.2151	150 pF	2.5%, 630V, PP
20	C....4	59.26.0680	68 uF	20%, 6.3V, Sa
20	C....5	59.06.0474	470 nF	10%, 63V, PETP
20	C....6	59.06.0224	220 nF	10%, 63V, PETP
20	C....7	59.06.0683	68 nF	10%, 63V, PETP
20	C....8	59.06.0683	68 nF	10%, 63V, PETP
20	C....9	59.22.3471	470 uF	-20%, 10V, EI
20	C....10	59.34.2220	22 pF	5%, N150, Cer
21	C....10	59.34.2230	33 pF	5%, N150, Cer
20	C....11	59.34.2220	22 pF	5%, N150, Cer
20	C....11	59.34.2230	33 pF	5%, N150, Cer
20	C....12	59.26.1100	10 uF	20%, 10V, Sa1
20	C....13	59.06.0104	100 nF	10%, 63V, PETP
20	C....14	59.06.0683	68 nF	10%, 63V, PETP
20	C....15	59.06.0683	68 nF	10%, 63V, PETP
20	C....16	59.06.0104	100 nF	10%, 63V, PETP
24	C....17	59.03.2472	4.7 nF	10%, 63V, PETP
20	D....1	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
20	D....2	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
20	D....3	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
20	D....4	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
20	IC....1	50.14.0120	T8P28542N	TI
20	IC....1	1.328.999.20	Software 13/85	St
22	IC....1	1.328.999.21	Software 50/86	St
23	IC....1	1.328.999.22	Software 29/87	St
20	IC....2	50.17.1573	74 HC 573	Mot,NS,Ph,RCA,SGS,TI,To
20	IC....3	50.17.1138	74 HC 138	Mot,NS,Ph,RCA,SGS,TI,To
20	IC....4	50.17.1138	74 HC 138	Mot,NS,Ph,RCA,SGS,TI,To
20	IC....5	50.17.1259	74 HC 259	Mot,NS,Ph,RCA,SGS,TI,To
20	IC....6	50.07.0029	ADC0803LNC	is,NS
20	IC....7	50.17.1541	74 HC 541	Mot,NS,Ph,RCA,SGS,TI,To
20	IC....8	50.17.1541	74 HC 541	Mot,NS,Ph,RCA,SGS,TI,To
20	IC....9	50.16.0107	MC 6803P-1	Hi,Mot
20	IC....10	50.15.0102	NE 590 N	Sig
20	IC....11	50.17.1574	74 HC 574	Mot,NS,Ph,RCA,SGS,TI,To
21	IC....11	50.17.1564	74 HC 564	Mot,NS,Ph,RCA,TT
20	IC....12	50.15.0113	SM 75498 N	TI
21	IC....12	50.15.0118	UON-2595A	Sp
20	IC....13	50.11.0322	TL7056CP	TI
20	IC....14	50.15.0113	SM 75176AP	NS,TT
20	IC....15	50.15.0102	NE 590 N	Sig
20	IC....16	-	not used	
20	IC....17	-	not used	
20	P....1	-	see note 2	
20	P....2	-	see note 3	
20	P....3	-	not used	
20	P....4	-	see note 2	
20	P....5	-	see note 4	
20	Q....1	50.03.0352	ZTX 751 S	Fe
20	Q....2	50.03.0352	ZTX 751 S	Fe
20	Q....3	50.03.0352	ZTX 751 S	Fe
20	Q....4	50.03.0352	ZTX 751 S	Fe
20	Q....5	50.03.0352	ZTX 751 S	Fe
20	Q....6	50.03.0352	ZTX 751 S	Fe
20	Q....7	50.03.0352	ZTX 751 S	Fe
20	Q....8	50.03.0352	ZTX 751 S	Fe
20	Q....9	50.03.0352	ZTX 751 S	Fe
20	Q....10	50.03.0352	ZTX 751 S	Fe
20	Q....11	50.03.0352	ZTX 751 S	Fe
20	Q....12	50.03.0352	ZTX 751 S	Fe
20	Q....13	50.03.0352	ZTX 751 S	Fe
20	Q....14	50.03.0352	ZTX 751 S	Fe
20	R....1	57.11.3100	10 Ohm	2%
20	R....1	57.11.3100	47 Ohm	2%
20	R....2	57.11.3103	10 kohm	2%
20	R....3	57.11.3101	100 Ohm	2%
20	R....4	57.11.3243	24 kohm	1%
20	R....5	57.11.3104	100 kohm	2%
20	R....6	57.11.3943	24 kohm	1%
20	R....7	57.11.1104	100 kohm	2%
20	R....8	57.11.3332	3.3 kohm	2%
20	R....9	57.11.3103	10 kohm	2%
20	R....10	57.11.1102	1 kohm	2%
24	R....10	00.00.0000	not used	replaced by C17
20	R....11	57.11.3103	10 kohm	2%
20	R....12	-	not used	
20	R....13	57.11.3332	3.3 kohm	2%
20	R....14	57.11.3562	5.6 kohm	1%
20	R....15	57.11.3182	1.8 kohm	1%
20	R....16	57.11.3101	100 Ohm	2%
20	RZ....1	57.88.4332	Network, 8 * 3.3 kohm, 5%, single line	
20	RZ....2	57.88.4332	Network, 8 * 3.3 kohm, 5%, single line	
20	RZ....3	57.88.4332	Network, 8 * 3.3 kohm, 5%, single line	
20	RZ....4	57.88.4332	Network, 8 * 3.3 kohm, 5%, single line	
20	RZ....5	57.88.3101	Network, 8 * 100 Ohm, 2%, DIL 16	
20	RZ....6	57.88.4332	Network, 8 * 3.3 kohm, 5%, single line	
20	RZ....7	57.88.3220	Network, 8 * 22 Ohm, 2%, DIL 16	
20	RZ....8	57.88.4332	Network, 8 * 3.3 kohm, 5%, single line	
20	RZ....9	57.88.3101	Network, 8 * 100 Ohm, 2%, DIL 16	
20	RZ....10	57.88.4332	Network, 8 * 3.3 kohm, 5%, single line	
20	RZ....11	-	not used	
20	Y....1	89.01.0553	4.9152 MHz +-100 ppm, Nymph Nr. TD 18/WMP 049	Fe
21	Y....1	89.01.0560	HC-49/V 4.9152 MHz, +-20 ppm Quarz AG,ITT,Saronix	Fe

(20) 01.02.85 PCB lay-out -11.
 (21) 01.12.86 IC12-SN75498N delivered for spare purpose only, new devices IC11 and IC12.
 Y1, C10, C11 improved accuracy of quartz frequency.
 (22) 08.12.86 Extended Autolocator key board.
 (23) 05.06.87 Software 29/87.
 (24) 25.09.89 Improved noise suppression on differential line.
 (25) 12.12.90 Ripple on AD-converter supply reduced.

Note 2 - Connector, 10 Contacts
 Studer Nr. 54.14.2001
 Yamaichi Nr. FAP-10-08/4
 Burndy Nr. BPH 7 B 10 800 GS

Note 3 - Connector, 40 Contacts
 Studer Nr. 54.14.2004
 Yamaichi Nr. FAP-40-08/4
 Burndy Nr. BPH 9 B 40 800 GS

Note 4 - Connector: 10 Pieces
 Studer Nr. 1.010.018.54

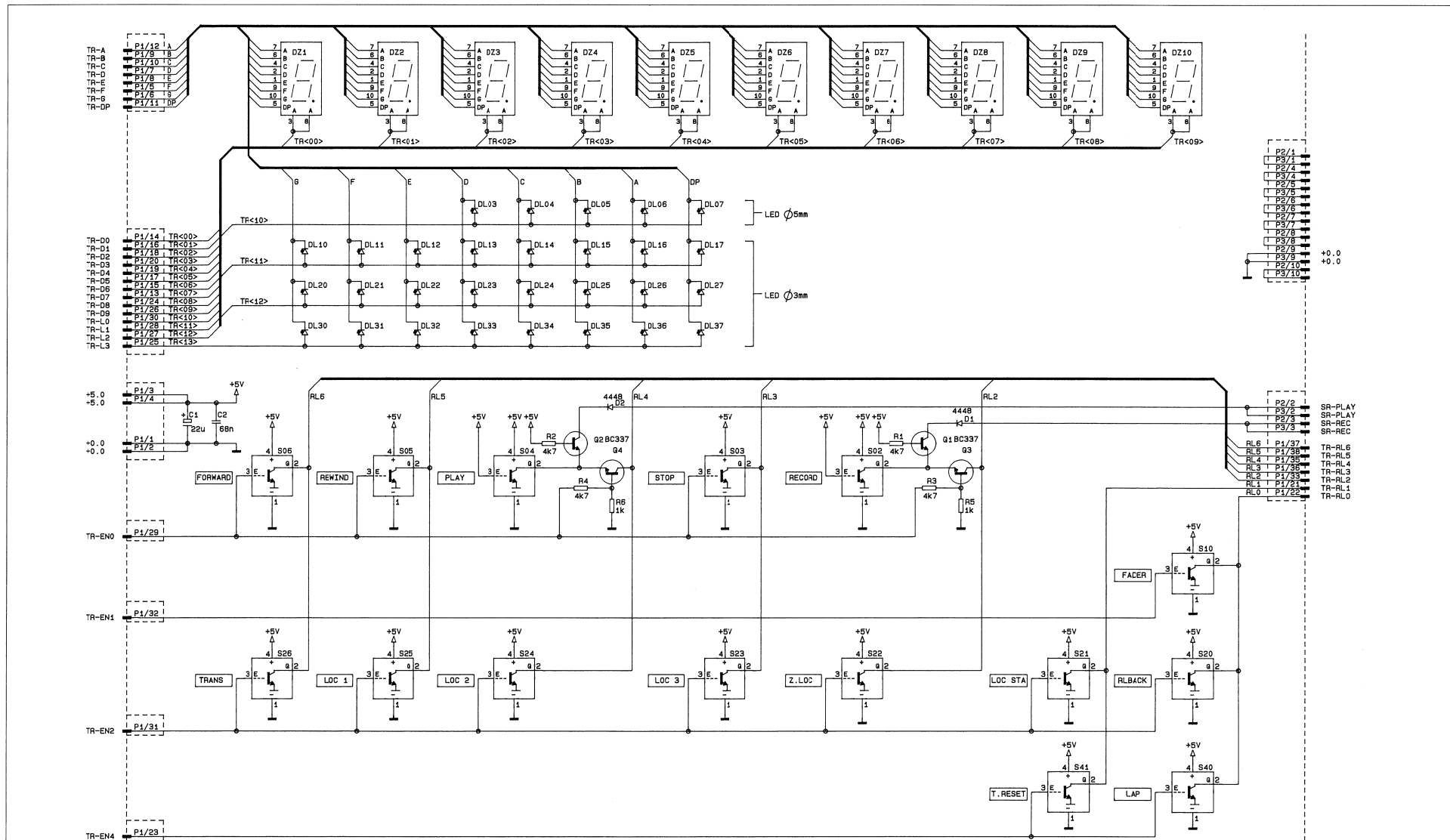
Cer=Ceramic, El=Electrolytic, PETP=Polyester Film, PP=Polypropylen, Sa=Solid Aluminium.

MANUFACTURERS: Fc=Fairchild, Fe=Ferranti, Hi=Hitachi, Is=Intersil, ITT=Intermetall, Mot=Motorola, NS=National Semiconductors, Ph=Philips, RCA=RCA Corporation, Ses=Sesocem, SGS=SGS/Ates, Sig=Signetics, Sp=Sprague, St=Studer, Tf=Telefunken, TI=Texas Instruments, To=Toshiba.

1.328.211.00 REMOTE CONTROL DRIVER BOARD BD 85/02/0100
 1.328.211.00 REMOTE CONTROL DRIVER BOARD BD 85/02/0120
 1.328.211.00 REMOTE CONTROL DRIVER BOARD BD 86/12/0121
 1.328.211.00 REMOTE CONTROL DRIVER BOARD BD 86/12/0822
 1.328.211.00 REMOTE CONTROL DRIVER BOARD BD 87/06/0523
 1.328.211.00 REMOTE CONTROL DRIVER BOARD VF 89/09/2524
 1.328.211.00 REMOTE CONTROL DRIVER BOARD ZB 90/12/1225

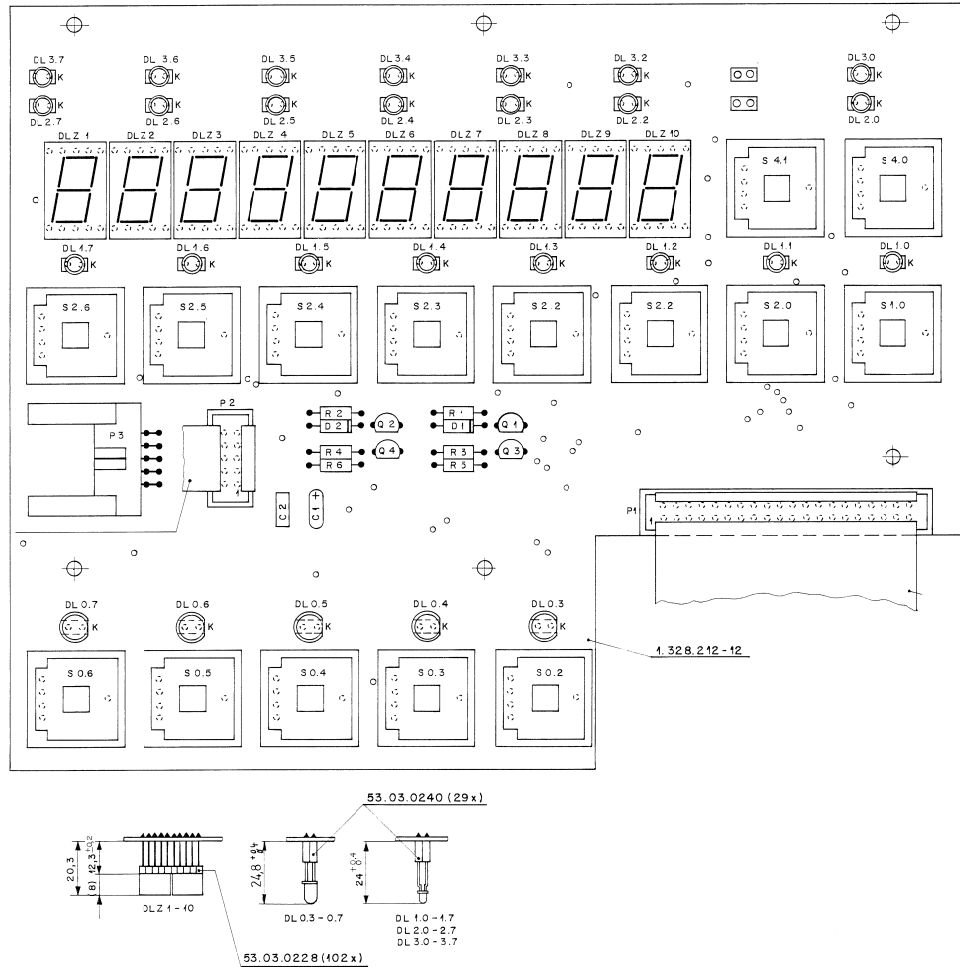
END

REMOTE CONTROL CABINET (SERIAL) 1.328.210.82
 REMOTE CONTROL MODULE (SERIAL) 1.328.220.82
 -REMOTE CONTROL DISPLAY PCB 1.328.212.81



12.07.89	VF						
A-812/A-820/D-820							PAGE 1 OF 1
STUDER Remote Control Display Board SC 1.328.212-81							

REMOTE CONTROL CABINET (SERIAL) 1.328.210.82
 REMOTE CONTROL MODULE (SERIAL) 1.328.220.82
 -REMOTE CONTROL DISPLAY PCB 1.328.212.81



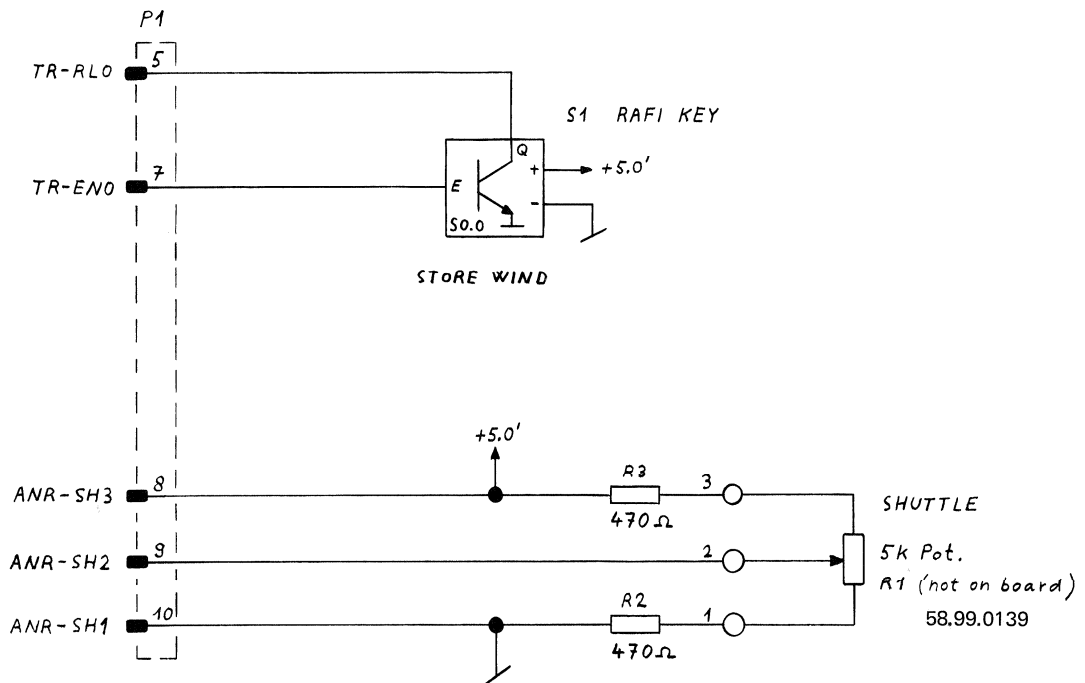
Ad . POS. . . . REF. No. . . . DESCRIPTION MANUFACTURER

C.....1	59.26.1220	22 uF	-20%, 10V , SAL	
C.....2	59.06.0683	68 nF	10%, PETP	
DL...0	50.04.2111	MV 5753	LED, Red , HLMF 3301	Sie
DL...0	50.04.2112	MV 5353	LED, Yellow, HLMF 3401	Sie
DL...1	50.04.2112	MV 5353	LED, Yellow, HLMF 3401	Sie
DL...1	50.04.2112	MV 5353	LED, Yellow, HLMF 3401	Sie
DL...1	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...1	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...1	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...1	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...1	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...2	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...2	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...2	50.04.2130	not used		Sie
DL...2	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...2	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...2	50.04.2131	CQV 15-6	LED, Green, CQV 15-6	Sie
DL...3	50.04.2129	CQV 11-7	LED, Red	Sie
DL...3	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...3	50.04.2131	CQV 15-6	LED, Green, CQV 15-6	Sie
DL...3	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...3	50.04.2130	not used		Sie
DL...3	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...3	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...3	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...4	50.04.2130	CQV 13-7	LED, Yellow	Sie
DL...4	50.04.2130	CQV 13-7	LED, Yellow	Sie
DLZ...1	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...2	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...3	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...4	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...5	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...6	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...7	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...8	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...9	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
DLZ...10	73.01.0124	MAN 6660	7-Segments, Red, Brightness "G"	GI
D.....1	50.04.0125	IN 4448		
D.....2	50.04.0125	IN 4448		
P.....1	54.14.2004	Connector	40 contacts, flat cable	
P.....2	54.14.2001	Connector	10 contacts, flat cable	
P.....3	54.14.2111	Connector	10 contacts, latch, flat cable	
Q.....1	50.03.0156	BC337		Sie
Q.....2	50.03.0156	BC337		Sie
Q.....3	50.03.0156	BC337		Sie
Q.....4	50.03.0156	BC337		Sie
R.....1	57.11.3472	4.7 kOhm	5%	
R.....2	57.11.3472	4.7 kOhm	5%	
R.....3	57.11.3472	4.7 kOhm	5%	
R.....4	57.11.3472	4.7 kOhm	5%	
R.....5	57.11.3102	1 kOhm	5%	
R.....6	57.11.3102	1 kOhm	5%	
S.....0	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....0	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....0	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....1	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....1	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....1	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....2	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....2	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....2	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....2	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....3	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....3	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....4	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	
S.....4	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110	

MANUFACTURER: GI-General Instruments, Sie-Siemens

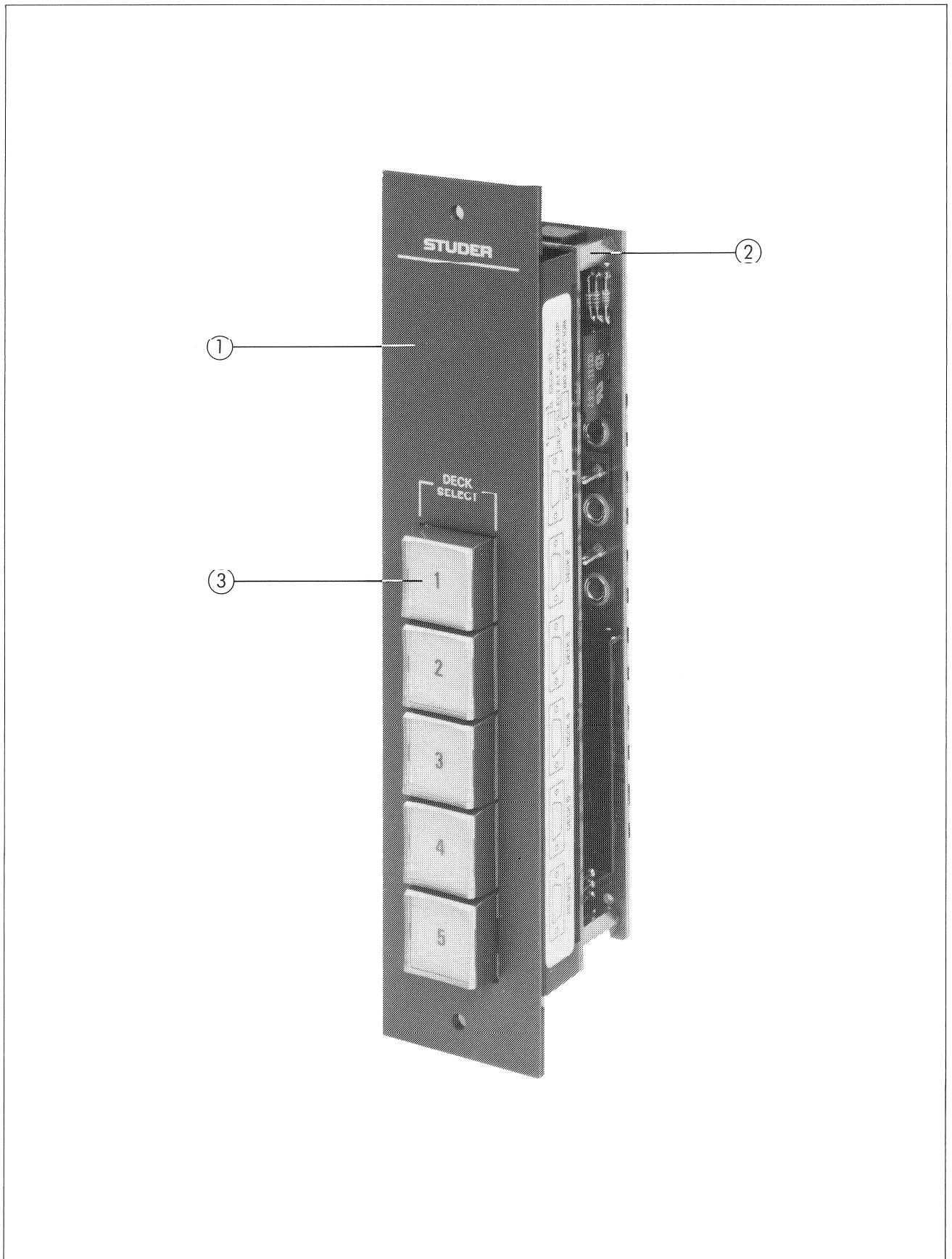
1.328.212.81 REMOTE CONTROL DISPLAY BOARD VF 89/11/1000

REMOTE CONTROL CABINET (SERIAL) 1.328.210.82
 REMOTE CONTROL MODULE (SERIAL) 1.328.220.82
 -SHUTTLE PCB 1.328.214.00



© 22.03.85 CHE	A820/A812		
STUDER	SHUTTLE BOARD	SC 1.328.214.00	PAGE 1 OF 1

SERIAL REMOTE SELECTOR 1.328.248.00



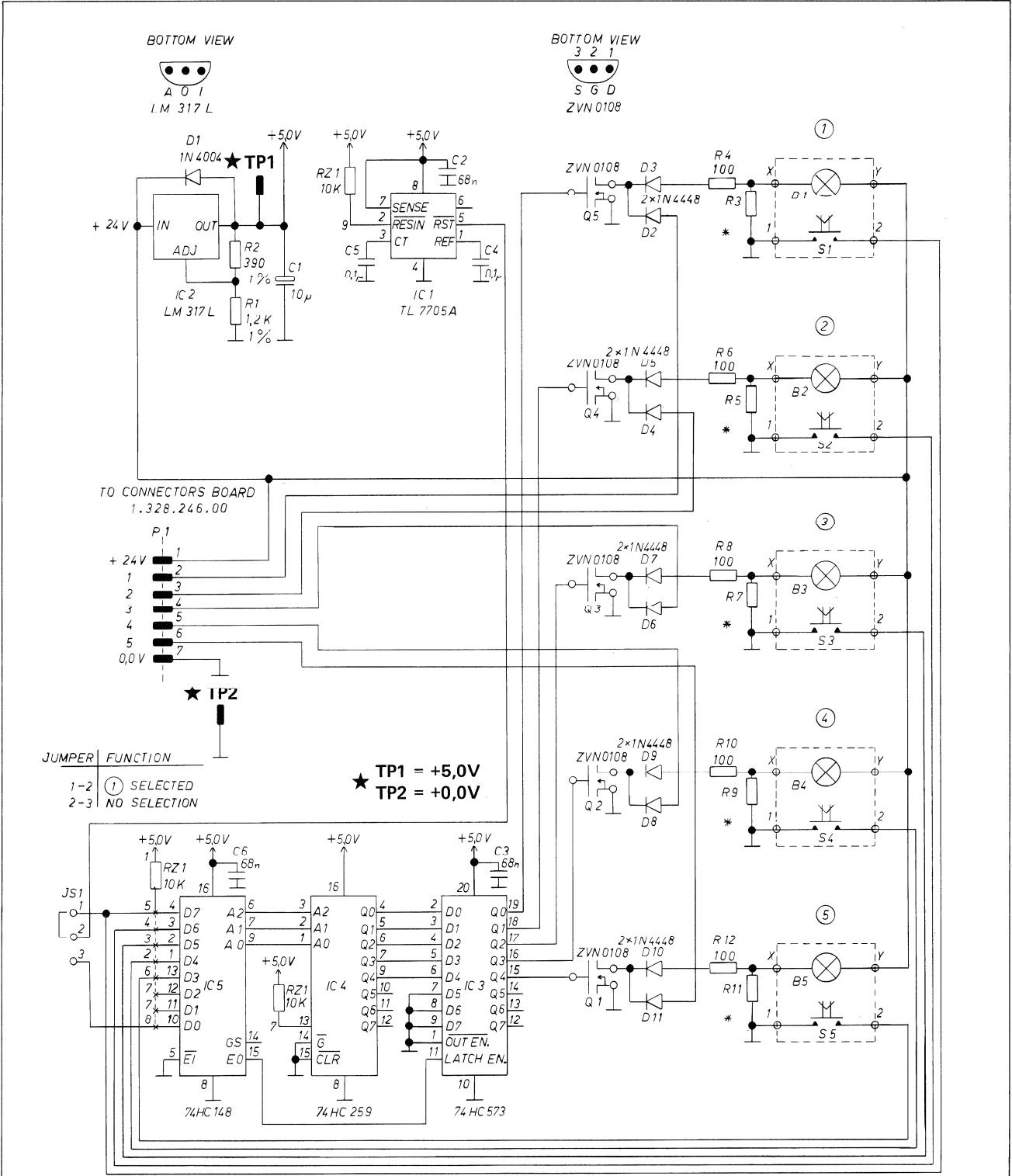
SERIAL REMOTE SELECTOR 1.328.248.00

Pos.	Qty.	Order Number	Part Name	Specification
		1.328.248.00	Serial remote selector	
	1	1.328.245.00	Serial remote selector keyboard	
	1	1.328.246.00	Serial remote selector connector PCB	
1	1	1.328.248.01	Frontpanel	
2	4	1.010.110.27	Hex stud bolt	M3/M3 × 18
	8	23.01.1032	Washer	D3,2 / 6 × 0,5
	4	21.53.0354	Chees head allen screw	M3 × 6
	4	24.16.1030	Pin washer	D3,2 / 5,5
3	5	55.15.0231	Switch, (pulse)	grey
	5	55.15.0201	Push button cover concave	
	5	55.15.0221	Filter screen white	
	5	55.15.0228	Push button housing	
	1	1.328.358.04	Labels	see page 71

Connecting cables

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.296.00	Connection cable 9-pin, 1m from serial remote selector unit to serial remote controller	
	1	1.328.293.81	Connection cable 9-pin 15m from remote selector unit to corresponding tape recorder	

SERIAL REMOTE SELECTOR 1.328.248.00
 -KEYBOARD 1.328.245.00



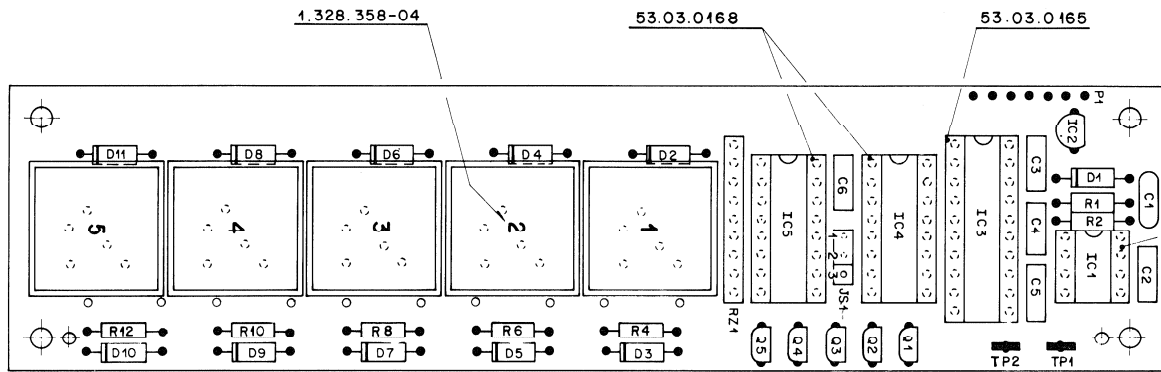
JUMPER	FUNCTION
1-2	① SELECTED
2-3	NO SELECTION

★ TP1 = +5,0V
 ★ TP2 = +0,0V

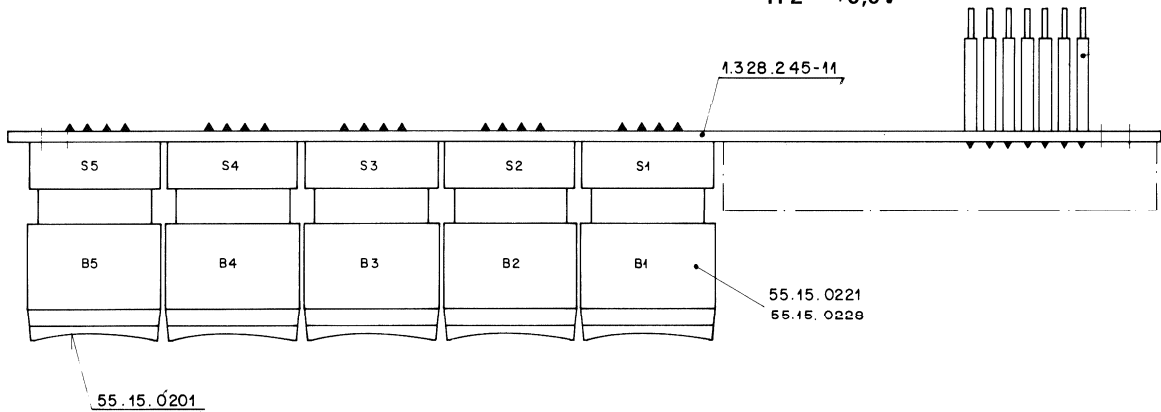
* NOT INSERTED

07.01.87 C METZ	...	...	...	...
SERIAL REMOTE SELECTOR			PAGE 1 OF 1	
STUDER	KEYBOARD	'ESE'	SC	1.328.245-00

SERIAL REMOTE SELECTOR 1.328.248.00
-KEYBOARD 1.328.245.00



TP1 = +5,0V
TP2 = +0,0V



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.26.2100	10 u	20%	16V / SAL		Q.....3	50.03.1505	ZVN 0108 A	80 V, 1 A, N-Channel FET	Fe.	
C.....2	59.06.0683	.068 u	10%	63V / PETF		Q.....4	50.03.1505	ZVN 0108 A	80 V, 1 A, N-Channel FET	Fe.	
C.....3	59.06.0683	.068 u	10%	63V / PETF		Q.....5	50.03.1505	ZVN 0108 A	80 V, 1 A, N-Channel FET	Fe.	
C.....4	59.06.0104	.1 u	10%	63V / PETF		R.....1	57.11.3122	1,2 k	1%, 0207, MF		
C.....5	59.06.0104	.1 u	10%	63V / PETF		R.....2	57.11.3391	390	1%, 0207, MF		
C.....6	59.06.0683	.068 u	10%	63V / PETF		R.....3			Not inserted		
D.....1	50.04.0105	1N 4004	1A	400V / Si.		R.....4	57.11.4101	100	2%, 0207, MF		
D.....2	50.04.0125	1N 4448	0.1A	75V / Si.		R.....5			Not inserted		
D.....3	50.04.0125	1N 4448	0.1A	75V / Si.		R.....6	57.11.4101	100	2%, 0207, MF		
D.....4	50.04.0125	1N 4448	0.1A	75V / Si.		R.....7			Not inserted		
D.....5	50.04.0125	1N 4448	0.1A	75V / Si.		R.....8	57.11.4101	100	2%, 0207, MF		
D.....6	50.04.0125	1N 4448	0.1A	75V / Si.		R.....9			Not inserted		
D.....7	50.04.0125	1N 4448	0.1A	75V / Si.		R.....10	57.11.4101	100	2%, 0207, MF		
D.....8	50.04.0125	1N 4448	0.1A	75V / Si.		R.....11			Not inserted		
D.....9	50.04.0125	1N 4448	0.1A	75V / Si.		R.....12	57.11.4101	100	2%, 0207, MF		
D.....10	50.04.0125	1N 4448	0.1A	75V / Si.		RZ.....1	57.88.4103	B * 10 k	In line		
D.....11	50.04.0125	1N 4448	0.1A	75V / Si.		S.....1	55.15.0231	1 * A	Momentary Key Switch	EAO	
B.....1	51.02.0158	24 V, 0.024 A, 0.6 W	BI PIN T 1			S.....2	55.15.0231	1 * A	Momentary Key Switch	EAO	
B.....2	51.02.0158	24 V, 0.024 A, 0.6 W	BI PIN T 1			S.....3	55.15.0231	1 * A	Momentary Key Switch	EAO	
B.....3	51.02.0158	24 V, 0.024 A, 0.6 W	BI PIN T 1			S.....4	55.15.0231	1 * A	Momentary Key Switch	EAO	
B.....4	51.02.0158	24 V, 0.024 A, 0.6 W	BI PIN T 1			S.....5	55.15.0231	1 * A	Momentary Key Switch	EAO	
B.....5	51.02.0158	24 V, 0.024 A, 0.6 W	BI PIN T 1			TP....1	54.02.0320	2.8 * 0.8	Straight Soldering Strip		
IC.....1	50.11.0122	TL 7705 A		Supply Supervisor	TI	TP....2	54.02.0320	2.8 * 0.8	Straight Soldering Strip		
IC.....2	50.10.0108	LM 317 LZ		Adjustable Voltage Regulator	NS						
IC.....3	50.17.1873	74 HC 573		Octal 3-state Noninv. D-type Transp. Latch							
IC.....4	50.17.1259	74 HC 259		8 Bit Addressable Latch / 1 of 8 Decoder							
IC.....5	50.17.1148	74 HC 148		8 to 3 Line Priority Encoder							
JS.....1	54.01.0021	2 * 0.63		Jumper (and 3 pins 54.01.0020)							
F.....1	1.010.019.54	7 * 1 Pin		Right Contact Pin, L = 20 MM							
Q.....1	50.03.1505	ZVN 0108 A		80 V, 1 A, N-Channel FET	Fe.						
Q.....2	50.03.1505	ZVN 0108 A		80 V, 1 A, N-Channel FET	Fe.						

STUDER (00) 87/01/08 CM KEYBOARD PL 1.328.245-00 PAGE 1 STUDER (00) 87/01/08 CM KEYBOARD PL 1.328.245-00 PAGE 2

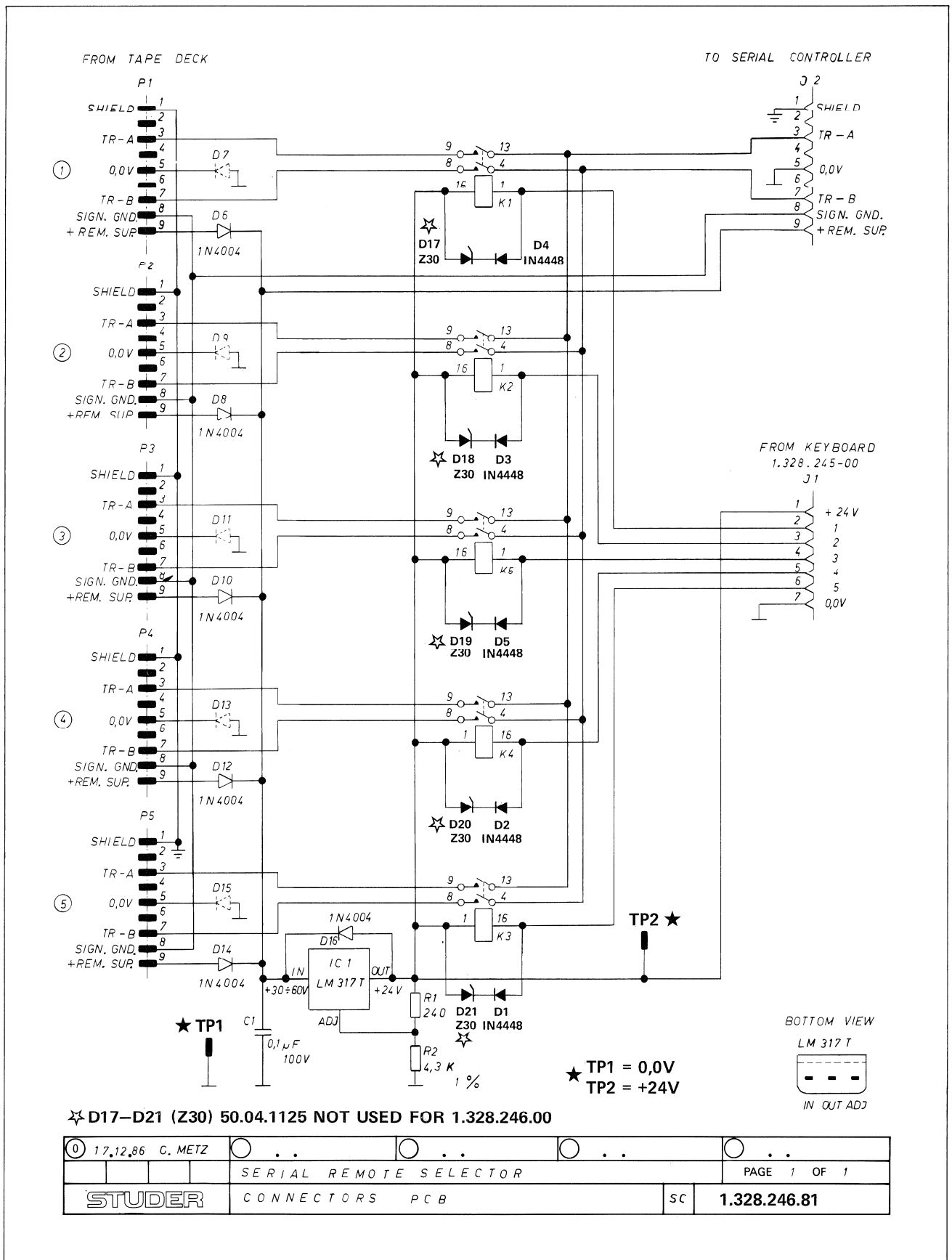
IND. POS.NO. PART NO. VALUE SPECIFICATIONS / EQUIVALENT MANUF.

CEP=Ceramic, EL=Electrolytic, MP=Metallized Paper, MPC=Metallized Polycarbonate, MPETP=Metallized Polyester, PC=Polycarbonate, PETF=Polyester, PP=Polypropylene, PS=Polystyrol, SAL=Solid Aluminium, TA=Tantal, Cermet=Ceramic Metal, MF=Metal Film.

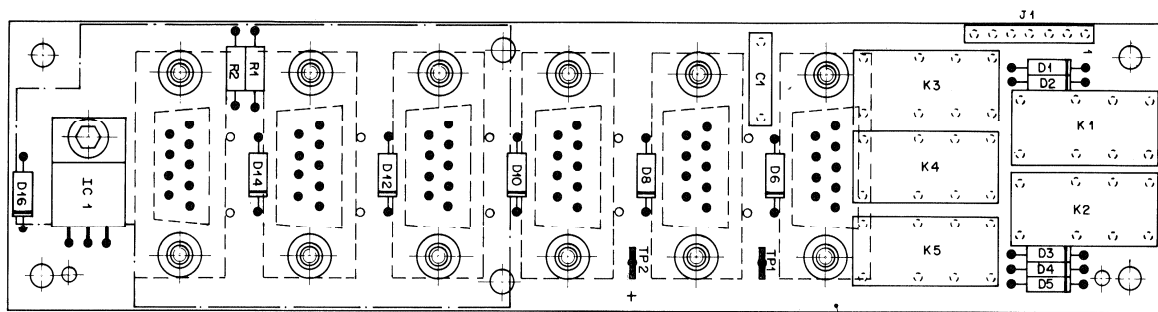
MANUFACTURERS :
EAO = Elektro Apparaten Olten
Fe = Ferranti
NS = National Semiconductors
TI = Texas Instruments

ORIG 87/01/08
STUDER (00) 87/01/08 CM KEYBOARD PL 1.328.245-00 PAGE 3

SERIAL REMOTE SELECTOR 1.328.248.00
-CONNECTORS PCB 1.328.246.81

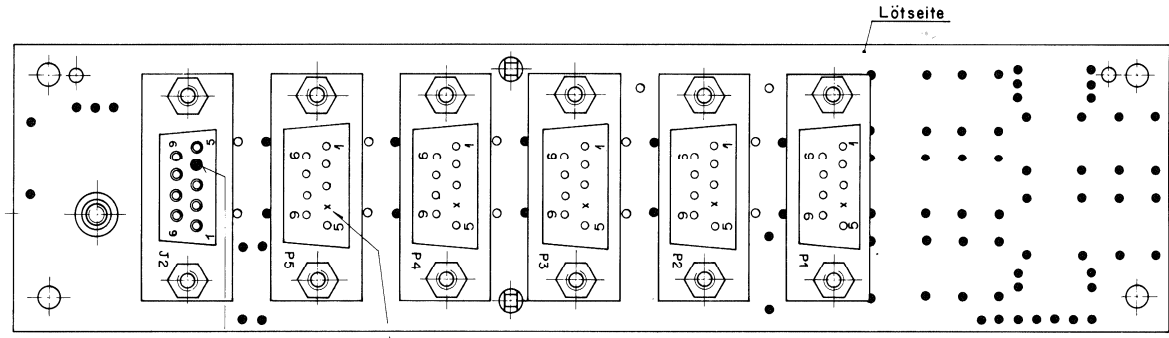
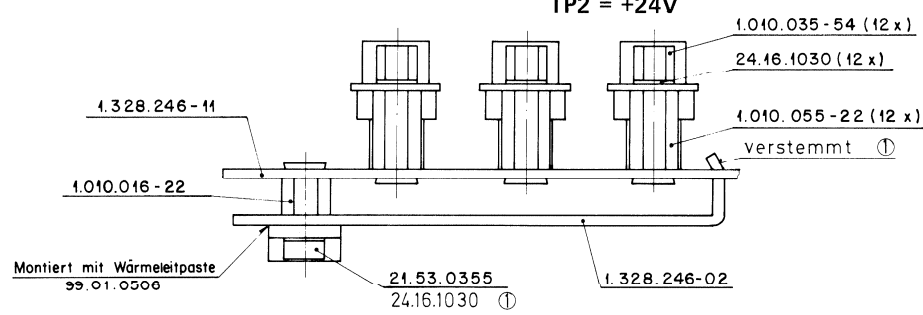


SERIAL REMOTE SELECTOR 1.328.248.00
-CONNECTORS PCB 1.328.246.00



TP1 = 0,0V
 TP2 = +24V

Bestückungsseite



Lötseite

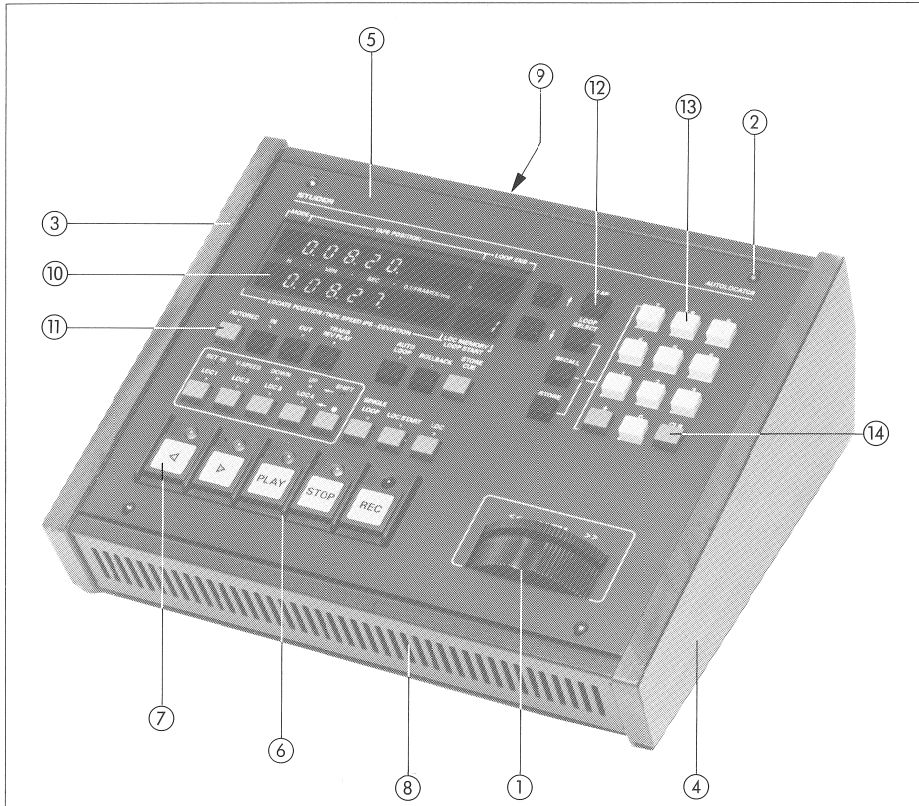
54.02.0452
 Pin 4 ausgebrochen

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.31.6104	0.1 u	10K, 100V, MPETP			R.....2	57.11.3432	4.3 k	1%, 0207, MF		
D.....1	50.04.0125	1N 4448	75 V, 100 mA, Si			TP....1	54.02.0320	2.8 * 0.8	straight soldering strip		
D.....2	50.04.0125	1N 4448	75 V, 100 mA, Si			TP....2	54.02.0320	2.8 * 0.8	straight soldering strip		
D.....3	50.04.0125	1N 4448	75 V, 100 mA, Si								
D.....4	50.04.0125	1N 4448	75 V, 100 mA, Si								
D.....5	50.04.0125	1N 4448	75 V, 100 mA, Si								
D.....6	90.04.0105	1N 4004	400 V, 1A, Si								
D.....7			not inserted								
D.....8	90.04.0105	1N 4004	400 V, 1A, Si								
D.....9			not inserted								
D.....10	90.04.0105	1N 4004	400 V, 1A, Si								
D.....11			not inserted								
D.....12	90.04.0105	1N 4004	400 V, 1A, Si								
D.....13			not inserted								
D.....14	90.04.0105	1N 4004	400 V, 1A, Si								
D.....15			not inserted								
D.....16	90.04.0105	1N 4004	400 V, 1A, Si								
IC.....1	50.10.0104	LM 317 SP	Voltage regulator		Met, TI						
J.....1	53.03.0218		7 Pins single line								
J.....2	54.13.0021		D-type, 9 pins straight fem. print connector								
K.....1	56.04.0161	RZ 2	24 V, 2 * u		ITT						
K.....2	56.04.0161	RZ 2	24 V, 2 * u		ITT						
K.....3	56.04.0161	RZ 2	24 V, 2 * u		ITT						
K.....4	56.04.0161	RZ 2	24 V, 2 * u		ITT						
K.....5	56.04.0161	RZ 2	24 V, 2 * u		ITT						
P.....1	54.13.0031		D-type, 9 pins straight male print connector								
P.....2	54.13.0031		D-type, 9 pins straight male print connector								
P.....3	54.13.0031		D-type, 9 pins straight male print connector								
P.....4	54.13.0031		D-type, 9 pins straight male print connector								
P.....5	54.13.0031		D-type, 9 pins straight male print connector								
R.....1	57.11.3241	240	1%, 0207, MF								

MPETP = Metallized Polyester
 MF = Metal Film

MANUFACTURERS :
 ITT = Intermetall
 Met = Motorola
 TI = Texas Instruments

AUTOLOCATOR CABINET 1.328.240.83



Connecting cables (Internal)

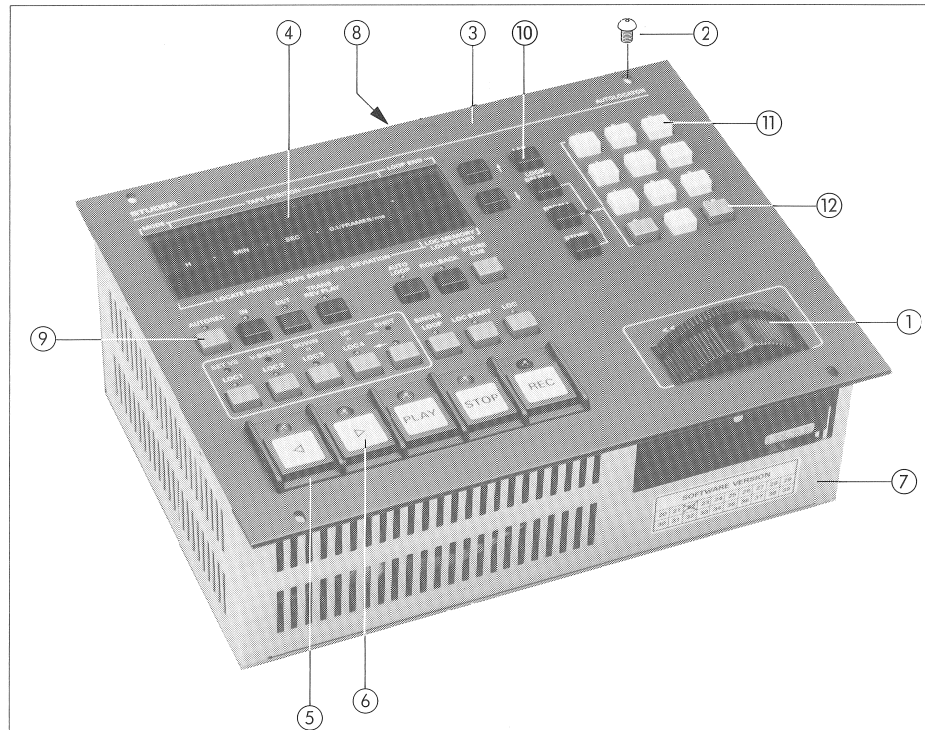
Pos.	Qty.	Order Number	Part Name	Specification
	1	1.023.100.02	Connection cable flat 10 pol 0,2m ■ Push button/Display PCB P2 to Push button Board P1	
	1	1.023.100.03	Connection cable flat 10 pol 0,3m ■ Shuttle PCB P1 to Driver Board P1	
	2	1.023.100.04	Connection cable flat 10 pol 0,4m ■ Push button/Display PCB P3 to Driver Board P3 ■ Push button Board P2 to Driver Board P4	
	1	1.023.104.02	Connection cable flat 40 pol 0,2m ■ Push button/Display PCB P1 to Driver Board P2	
	1	1.023.140.03	Connection cable flat 10 pol 0,3m with 9-pin D-Type ■ Push button Board P3 to 9 pol - D-Type connector	

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.240.83	Autolocator:	Cabinet
	1	1.328.213.81	Stabilizer Board	
1	1	1.328.215.81	Shuttle assembly compl.	
	1	1.328.215.22	Shuttle wheel	
	1	1.328.218.00	Shuttle bar compl.	
	1	1.328.231.00	Push button/Display Board	
	1	1.328.232.24	Driver Board	
	1	1.328.233.82	Push button Board	
2	10	1.010.025.21	Oval head allen screw	M3 × 6
3	1	1.328.210.01	Wooden side panel	Left
	4	21.53.0454	Chees head allen screw	M4 × 6
	4	24.16.1040	Fin washer	D4,3 / 7
4	1	1.328.210.02	Wooden side panel	Right
	4	21.53.0454	Chees head allen screw	M4 × 6
	4	24.16.1040	Fin washer	D4,3 / 7
5	1	1.328.230.01	Front cover	
6	1	1.810.302.81	Push button housing compl.	
	1	1.810.300.03	Push button housing	
	1	1.810.300.06	Dumping strip	
7	5	1.011.210.01	Push button	
	5		Self-adhesive labels: see page 71	
	5	1.010.202.37	Pressure spring	
8	1	1.328.240.01	Housing	
	4	31.02.0211	Foot	
9	1	1.328.210.05	Connector holder for 9-pin D-Type	
	2	1.010.032.54	Locking thread bolt	
10	1	1.328.230.05	Glass pane printed on	
11	2	55.15.0512	Push button	red
12	11	55.15.0510	Push button	black
13	10	55.15.0519	Push button	white
14	10	55.15.0518	Push button	grey

Connecting cable (external)

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.293.81	Connection cable 9 pol 15m	

AUTOLOCATOR MODULE 1.328.230.83



Connecting cables (internal)

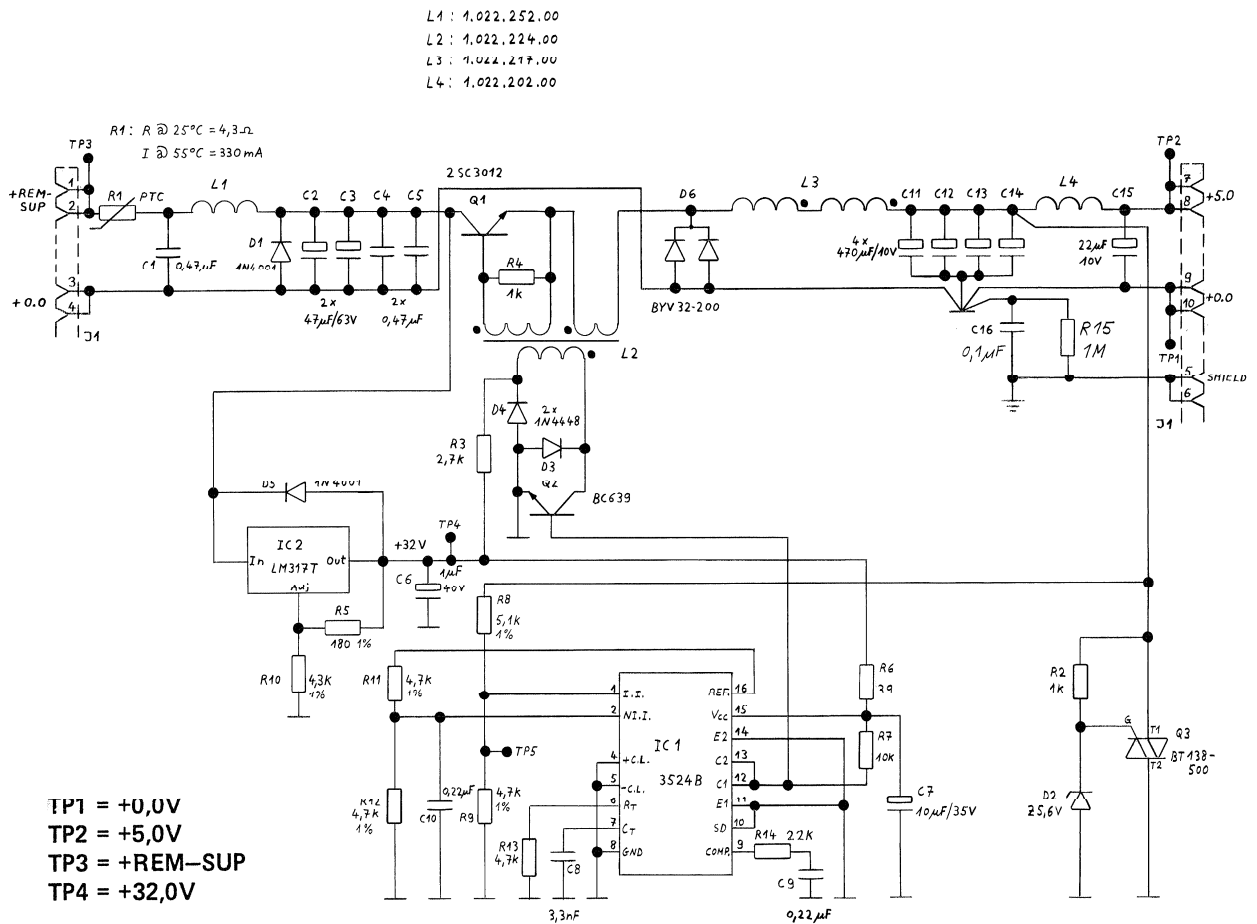
Pos.	Qty.	Order Number	Part Name	Specification
	1	1.023.100.02	Connection cable flat 10 pol 0,2m	■ Push button/Display PCB P2 to Push button Board P1
	1	1.023.100.03	Connection cable flat 10 pol 0,3m	■ Shuttle PCB P1 to Driver Board P1
	2	1.023.100.04	Connection cable flat 10 pol 0,4m	■ Push button/Display PCB P3 to Driver Board P3 ■ Push button Board P2 to Driver Board P4
	1	1.023.104.03	Connection cable flat 40 pol 0,3m	■ Push button/Display PCB P1 to Driver Board P2
	1	1.023.140.03	Connection cable flat 10 pol 0,3m with 9-pin D-Type	■ Push button Board P3 to 9 pol - D-Type connector

Connecting cable (external)

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.230.83	Autolocator	Module
	1	1.328.213.81	Stabilizer Board	
1	1	1.328.215.81	Shuttle assembly compl.	
	1	1.328.215.22	Shuttle wheel	
	1	1.328.218.00	Shuttle bar compl.	
	1	1.328.231.00	Push button/Display Board	
	1	1.328.232.24	Driver Board	
	1	1.328.233.82	Push button Board	
2	10	1.010.025.21	Oval head allen screw	M3 x 6
3	1	1.328.230.01	Front cover	
4	1	1.328.230.05	Glass pane printed on	
5	1	1.810.302.81	Push button housing compl.	
	1	1.810.300.03	Push button housing	
	1	1.810.300.06	Dumping strip	
6	5	1.011.210.01	Push button	
	5		Self-adhesive labels: see page 71	
	5	1.010.202.37	Pressure spring	
7	1	1.328.230.03	Housing	
	1	1.328.230.04	Bottom cover	
8	1	1.328.230.07	Connector holder for 9-pin D-Type	
	2	1.010.032.54	Locking thread bolt	
9	2	55.15.0512	Push button	red
10	11	55.15.0510	Push button	black
11	10	55.15.0519	Push button	white
12	10	55.15.0518	Push button	grey

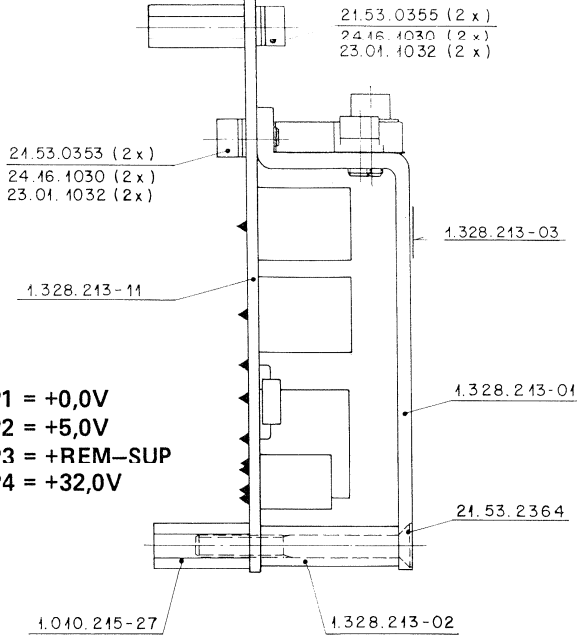
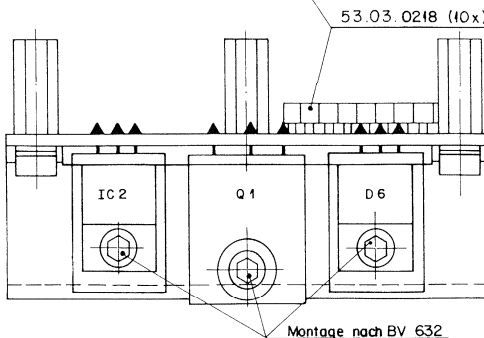
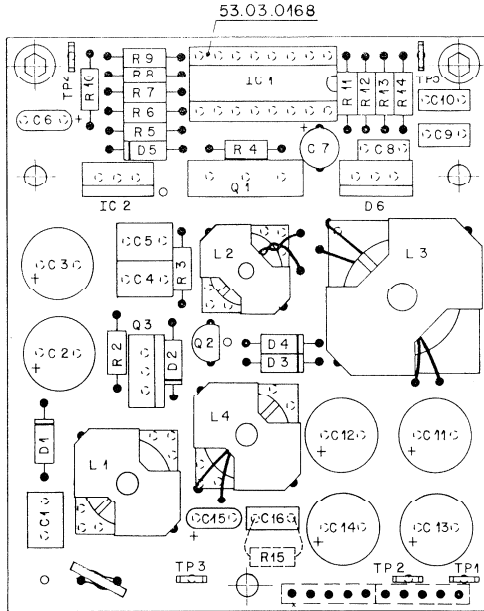
Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.293.81	Connection cable 9 pol 15m	

AUTOLOCATOR MODULE 1.328.230.83
AUTOLOCATOR CABINET 1.328.240.83
-STABILIZER BOARD 1.328.213.81



24.10.85	CHE						
A820/A812			PAGE 1 OF 1				
STUDER		STABILIZER BOARD			SC	1.328.213.81	

AUTOLOCATOR MODULE 1.328.230.83
AUTOLOCATOR CABINET 1.328.240.83
-STABILIZER BOARD 1.328.213.81



TP1 = +0,0V
 TP2 = +5,0V
 TP3 = +REM-SUP
 TP4 = +32,0V

Schilder 43.01.0108 und 1.328.213-01 aufgeklebt nach Muster.

Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER
C....1	59.06.0474	0.47 uF	10%, PETP	
C....2	59.22.8470	47 uF	20%, 63V, EL	
C....3	59.22.8470	47 uF	20%, 63V, EL	
C....4	59.06.0474	0.47 uF	10%, PETP	
C....5	59.06.0474	0.47 uF	10%, PETP	
C....6	59.26.9109	1 uF	20%, 40V, SAL	
C....7	59.22.6100	10 uF	-20%, 35V, EL	
C....8	59.06.0332	3300 pF	10%, PETP	
C....9	59.06.0224	0.22 uF	10%, PETP	
C....10	59.06.0224	0.22 uF	10%, PETP	
C....11	59.22.3471	470 uF	-20%, 10V, EL	
C....12	59.22.3471	470 uF	-20%, 10V, EL	
C....13	59.22.3471	470 uF	-20%, 10V, EL	
C....14	59.22.3471	470 uF	-20%, 10V, EL	
C....15	59.26.1220	22 uF	20%, 10V, SAL	
C....16	59.06.0104	0.1 uF	10%, 50V, PETP	
D....1	50.04.0122	1N 4001		Mot
D....2	50.04.1108	5.6 V	BZX83 C 5V6, BZX55 C 5V6, ZPD 5.6	Ses,ITT
D....3	50.04.0125	1N 4448		Fc,ITT,Ph,Ses
D....4	50.04.0125	1N 4448		Fc,ITT,Ph,Ses
D....5	50.04.0122	1N 4001		Mot
D....6	50.04.0517	BYV32-200		Mot,Ph
IC....1	50.05.0279	SG 35248N		SG
IC....2	50.10.0104	LM 317T	LM 317 SP	Tho,Mot,NS,TI
J....1	00.00.0000	see note 1		

Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER
L....1	1.022.252.00	0.32 mH	Filter Coil	St
L....2	1.022.224.00		Power Supply Transformer	St
L....3	1.022.217.00	46 uH	HF-Coil, 5A	St
L....4	1.022.202.00	16.9 mH	Filter Coil	St
Q....1	50.03.0517	2 SC 3012	NPN	NEC
Q....2	50.03.0551	BC 639	NPN	Mot,Ph
Q....3	50.99.0106	T 2800	400V, 8A, Triac	Ph
R....1	57.92.1331	PTC	see note 2	Ph
R....2	57.11.3102	1 kOhm	1%	
R....3	57.11.3272	2.7 kOhm	1%	
R....4	57.11.3102	1 kOhm	1%	
R....5	57.11.3181	180 Ohm	1%	
R....6	57.11.3390	39 Ohm	1%	
R....7	57.11.3103	10 kOhm	1%	
R....8	57.11.3512	5.1 kOhm	1%	
R....9	57.11.3472	4.7 kOhm	1%	
R....10	57.11.3432	4.3 kOhm	1%	
R....11	57.11.3472	4.7 kOhm	1%	
R....12	57.11.3472	4.7 kOhm	1%	
R....13	57.11.3472	4.7 kOhm	1%	
R....14	57.11.3223	22 kOhm	1%	
R....15	57.11.3105	1 MOhm	1%	
TP....1	54.02.0320		Test Point	
TP....2	54.02.0320		Test Point	
TP....3	54.02.0320		Test Point	
TP....4	54.02.0320		Test Point	
TP....5	54.02.0320		Test Point	

EL=Electrolytic, SAL=Solid Aluminium, PETP=Polyester

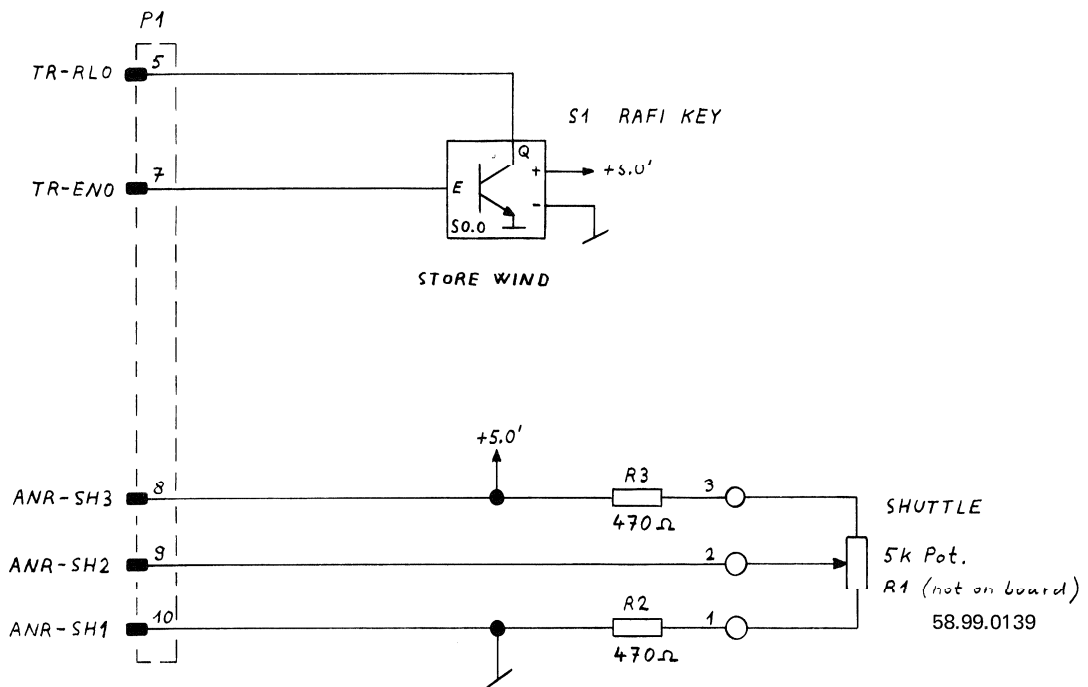
MANUFACTURERS: Fc=Fairchild, ITT=Intermetall, Mot=Motorola, NEC=Nippon Electric Corp., NS=National Semiconductors, Ph=Philips, Ses=Sescossem, SG=Silicon General, St=Studer Tho=Thomson, TI=Texas Instruments

note 1 - Connector: 10 pieces Studer Nr.53.03.0218

note 2 - PTC Thermistor: R @ 25 degree Celsius = 4.7 Ohm
 I @ 55 degree Celsius = 330 mA
 Philips Nr.2322 663 13311

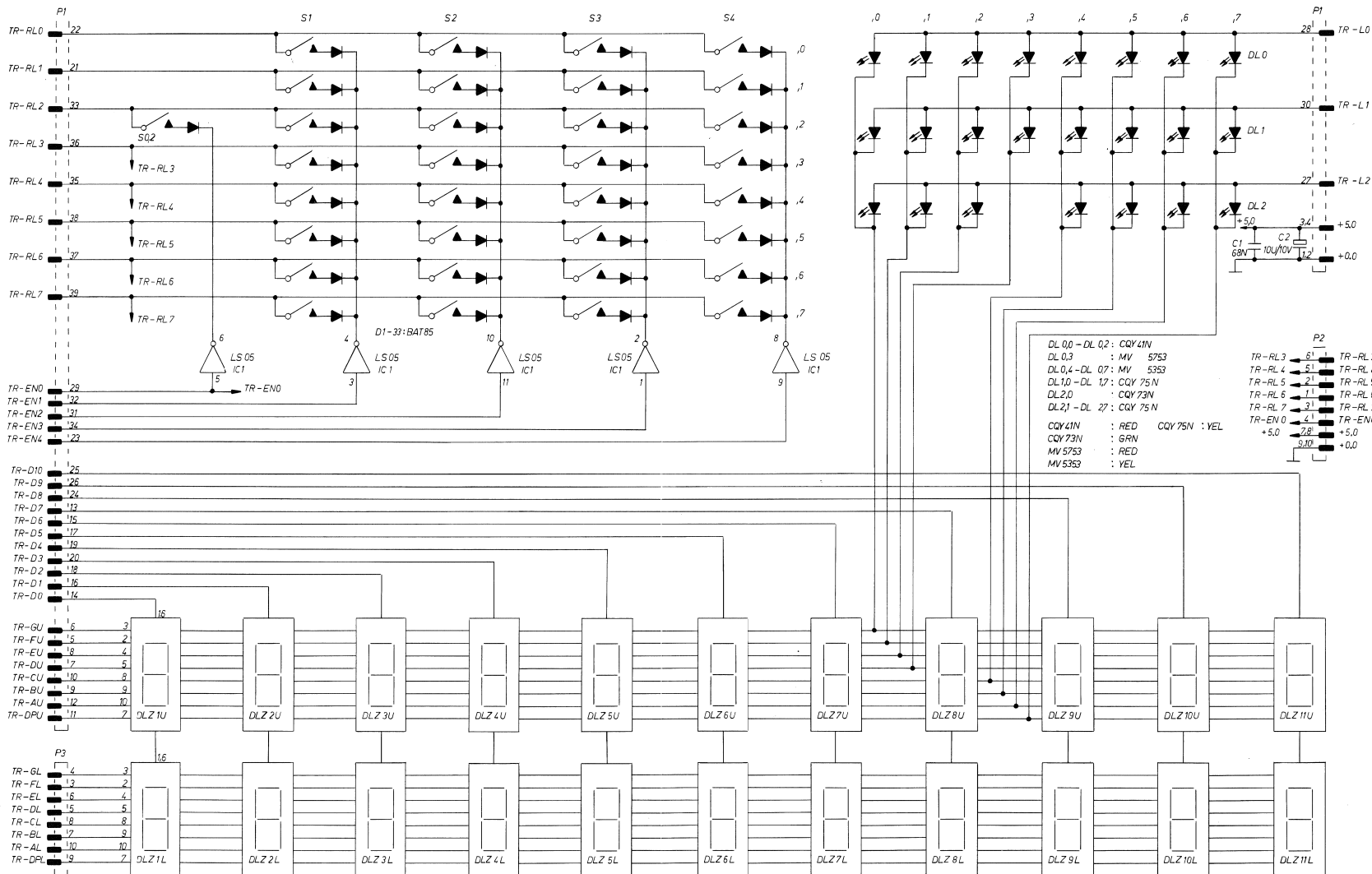
1.328.213.81 STABILIZER BOARD B091/10/2400

AUTOLOCATOR MODULE 1.328.230.83
 AUTOLOCATOR CABINET 1.328.240.83
 -SHUTTLE BOARD 1.328.214.00



© 22.03.85 CHE	A820/A812		
STUDER	SHUTTLE BOARD	SC 1.328.214.00	PAGE 1 OF 1

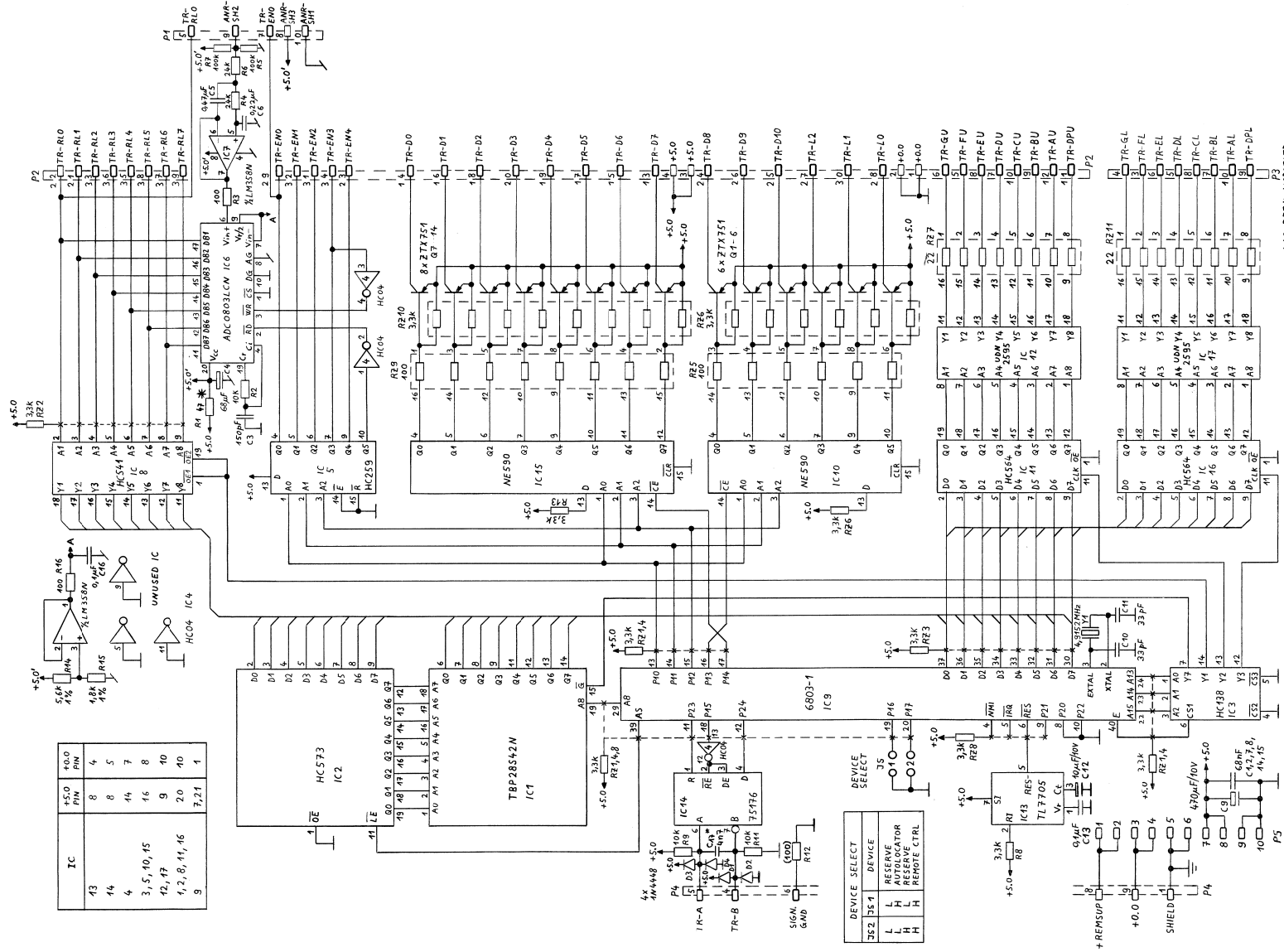
AUTOLOCATOR MODULE 1.328.230.83
 AUTOLOCATOR CABINET 1.328.240.83
 -PUSHBUTTON / DISPLAY BOARD 1.328.231.00



DLZ 1-11: FND 360

08.10.86	SU								
STUDER									
AUTOLOCATOR PUSHBUTTON / DISPLAY BOARD							SC	PAGE 1 OF 1	
							1.328.231-00		

AUTOLOCATOR MODULE 1.328.230.83
 AUTOLOCATOR CABINET 1.328.240.83
 -DRIVER BOARD 1.328.232.24

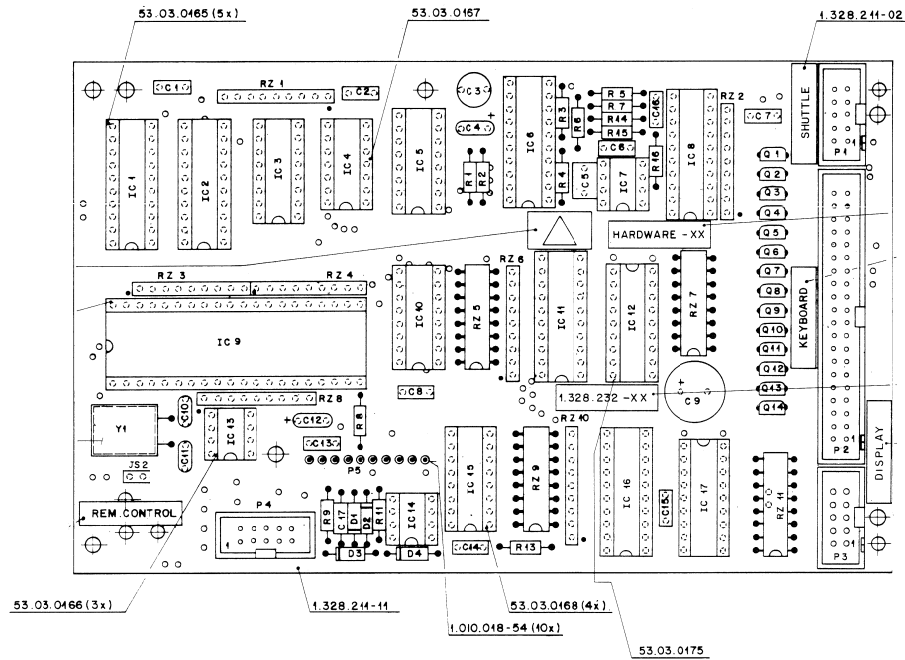


21	08.10.86	CHE	22	05.06.87	23	25.09.89	Dub	24	22.11.90	28	PAGE 1 OF 1
A 8 2 0 / A 8 1 2											
AUTOLOCATOR DRIVER BOARD 'ESE' SC 1.328.232.208up											

STUDER

* HAS BEEN MODIFIED

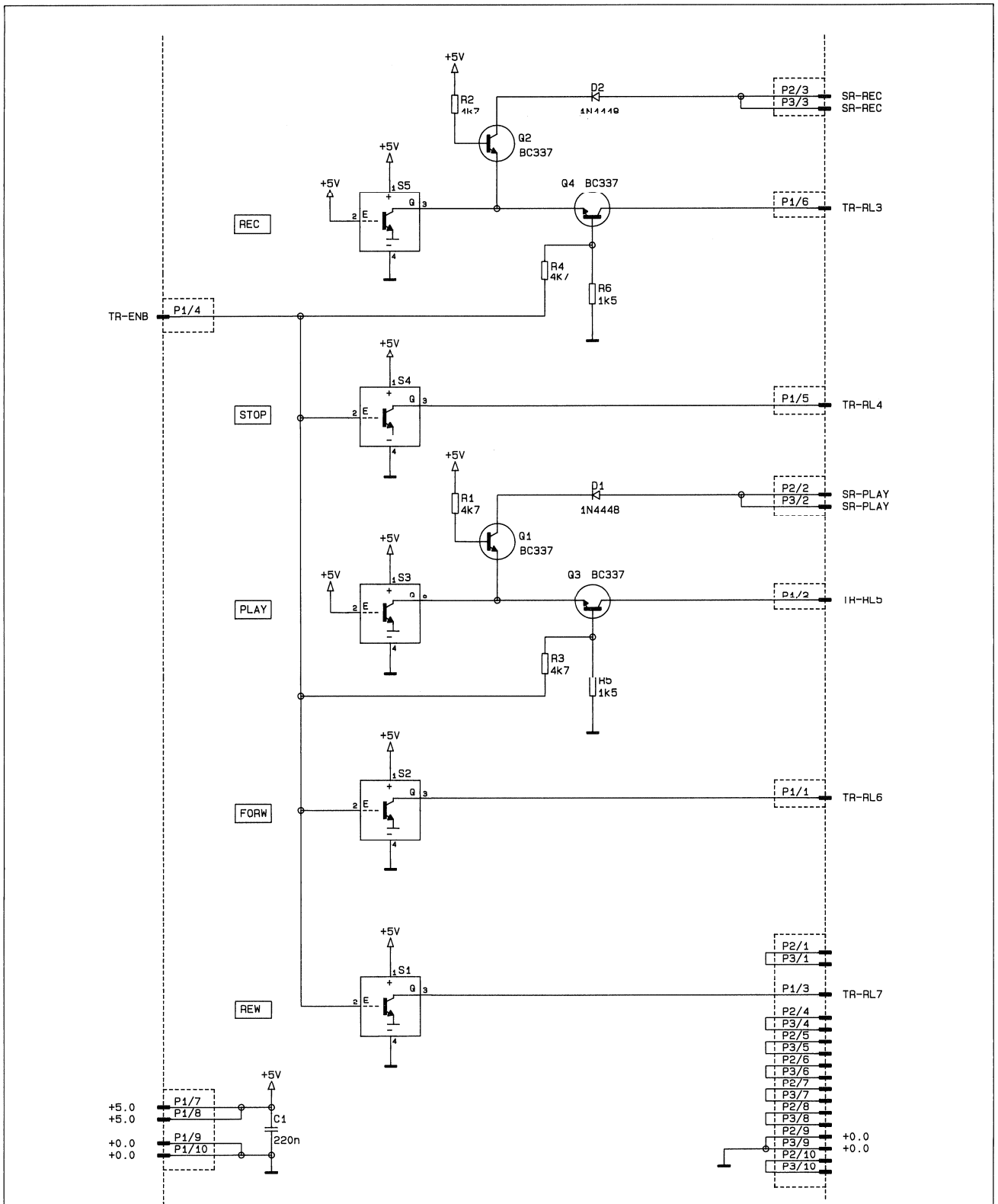
AUTOLOCATOR MODULE 1.328.230.83
 AUTOLOCATOR CABINET 1.328.240.83
 -DRIVER BOARD 1.328.232.24



Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
20	C....1	59.06.0683	68 nF	10%, 63V, PETP
20	C....2	59.06.0683	68 nF	10%, 63V, PETP
20	C....3	59.05.2151	190 pF	2.5%, 630V, PP
20	C....4	59.26.0680	68 uF	20%, 6.3V, SAL
20	C....5	59.06.0474	470 nF	10%, 63V, PETP
20	C....6	59.06.0224	220 nF	10%, 63V, PETP
20	C....7	59.06.0683	68 nF	10%, 63V, PETP
20	C....8	59.06.0683	68 nF	10%, 63V, PETP
20	C....9	59.22.3471	470 uF	-20%, 10V, EL
20	C....10	59.34.2330	33 pF	5%, N150, CER
20	C....11	59.34.2330	33 pF	5%, N150, CER
20	C....12	59.26.1100	10 uF	20%, 10V, SAL
20	C....13	59.06.0104	100 nF	10%, 63V, PETP
20	C....14	59.06.0683	68 nF	10%, 63V, PETP
20	C....15	59.06.0683	68 nF	10%, 63V, PETP
20	C....16	59.06.0104	100 nF	10%, 63V, PETP
23	C....17	59.03.2472	4.7 nF	10%, 63V, PETP
20	D....1	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
20	D....2	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
20	D....3	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
20	D....4	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
20	IC....1	50.14.0120	TBP28542N	TI
20	IC....1	1.328.999.21	Software 50/86	St
22	IC....1	1.328.999.22	Software 29/87	St
20	IC....2	50.17.1573	74 HC 573	.. 74 HC 573
20	IC....3	50.17.1132	74 HC 358	.. 74 HC 358
20	IC....4	50.17.1004	74 HC 04	.. 74 HC 04
20	IC....5	50.17.1259	74 HC 259	.. 74 HC 259
20	IC....6	50.05.0285	LM 358 N	LM 358 P
20	IC....7	50.15.0107	MC 68039-1	Hi,Mot
20	IC....8	50.15.0102	NE 590 N	NE 590 N
20	IC....11	50.17.1564	74 HC 564	.. 74 HC 564
20	IC....12	50.15.0113	UDN 2959A	.. 74 HC 564
20	IC....13	50.11.0122	TL7705ACP	NS, TI
20	IC....14	50.15.0115	SN 75176AP	DS 3495 N
20	IC....15	50.15.0102	NE 590 N	.. 74 HC 564
20	IC....16	51.07.1564	74 HC 564	.. 74 HC 564
20	IC....17	50.15.0113	UDN 2959A	.. 74 HC 564
20	JS....2			see note 1
20	P....1			see note 2
20	P....2			see note 3
20	P....3			see note 2
20	P....4			see note 4
20	P....5			see note 4
20	Q....1	50.03.0352	ZTX 751 S	Fe
20	Q....2	50.03.0352	ZTX 751 S	Fe
20	Q....3	50.03.0352	ZTX 751 S	Fe
20	Q....4	50.03.0352	ZTX 751 S	Fe
20	Q....5	50.03.0352	ZTX 751 S	Fe
20	Q....6	50.03.0352	ZTX 751 S	Fe
20	Q....7	50.03.0352	ZTX 751 S	Fe
20	Q....8	50.03.0352	ZTX 751 S	Fe
20	Q....9	50.03.0352	ZTX 751 S	Fe
20	Q....10	50.03.0352	ZTX 751 S	Fe
20	Q....11	50.03.0352	ZTX 751 S	Fe
20	Q....12	50.03.0352	ZTX 751 S	Fe
20	Q....13	50.03.0352	ZTX 751 S	Fe
20	Q....14	50.03.0352	ZTX 751 S	Fe
20	R....1	57.11.3100	10 Ohm	2%
24	R....1	57.11.3470	47 Ohm	2%
20	R....2	57.11.3103	10 kOhm	2%
20	R....3	57.11.3101	100 Ohm	2%
20	R....4	57.11.3243	24 kOhm	1%
20	R....5	57.11.3104	100 kOhm	2%
20	R....6	57.11.3143	24 kOhm	1%
20	R....7	57.11.3104	100 kOhm	2%
20	R....8	57.11.3932	3.3 kOhm	2%
20	R....9	57.11.3103	10 kOhm	2%
20	R....10	57.11.3102	1 kOhm	2%
23	R....10	00.00.0000	not used	replaced by C17
20	R....11	57.11.3103	10 kOhm	2%
20	R....12		not used	
20	R....13	57.11.3332	3.3 kOhm	2%
20	R....14	57.11.3582	5.6 kOhm	1%
20	R....15	57.11.3182	1.8 kOhm	1%
20	R....16	57.11.3101	100 Ohm	2%
20	RZ....1	57.88.4332	Network, 8 * 3.3 kOhm, 5%, single line	
20	RZ....2	57.88.4332	Network, 8 * 3.3 kOhm, 5%, single line	
20	RZ....3	57.88.4332	Network, 8 * 3.3 kOhm, 5%, single line	
20	RZ....4	57.88.4332	Network, 8 * 3.3 kOhm, 5%, single line	
20	RZ....5	57.88.3101	Network, 8 * 100 Ohm, 2%, DIL 16	
20	RZ....6	57.88.4332	Network, 8 * 3.3 kOhm, 5%, single line	
20	RZ....7	57.88.3220	Network, 8 * 22 Ohm, 2%, DIL 16	
20	RZ....8	57.88.4332	Network, 8 * 3.3 kOhm, 5%, single line	
20	RZ....9	57.88.3101	Network, 8 * 100 Ohm, 2%, DIL 16	
20	RZ....10	57.88.4332	Network, 8 * 3.3 kOhm, 5%, single line	
20	RZ....11	57.88.3220	Network, 8 * 22 Ohm, 2%, DIL 16	
20	Y....1	89.01.0560	4.9152 MH z +/-100 ppm, Nymph Nr. TD 18/NMP 049	
(20)		08.10.86	PCB lay-out -11.	
(21)			Skipped.	

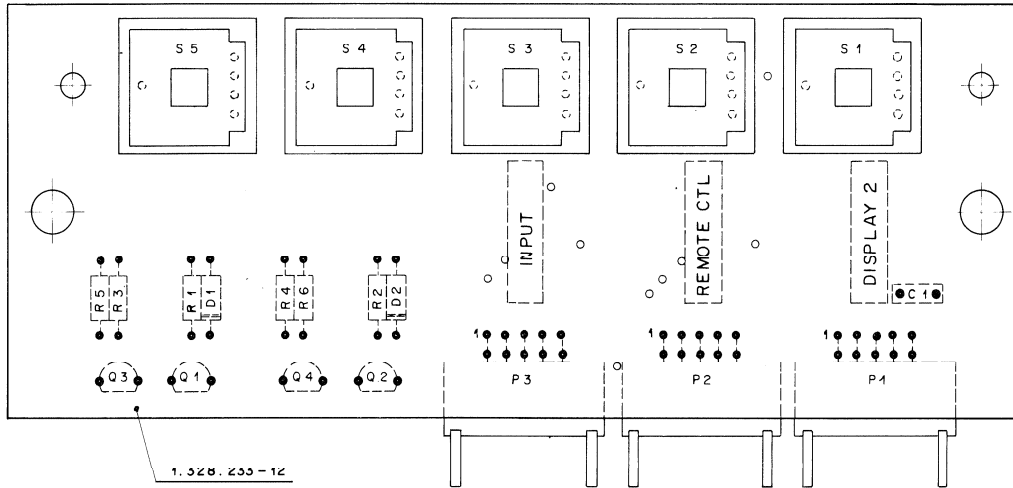
Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
(22)		05.06.87	Software 29/87.	
(23)		25.09.89	Improved noise suppression on differential line.	
(24)		22.11.90	Ripple on AD-Converter-Supply reduced.	
Note 1			Jumper Switch	
			2 Contact Pins: Studer Nr. 54.01.0020	
			Berg Nr. 75 160-102-36	
			Philips Nr. 2422 025 89303	
			1 Jumper	Studer Nr. 54.01.0021
Note 2			Connector, 10 Contacts	
			Studer Nr. 54.14.2001	
			Yamachi Nr. FAP-10/08/4	
			Burdny Nr. BPH 7 B 10 B00 GS	
Note 3			Connector, 40 Contacts	
			Studer Nr. 54.14.2004	
			Yamachi Nr. FAP-40/08/4	
			Burdny Nr. BPH 9 B 40 B00 GS	
Note 4			Connector: 10 Pieces	
			Studer Nr. 1.010.018.54	
			CER=Ceramic, EL=Electrolytic, PETP=Polyester Film, PP=Polypropylen, SAL=Solid Aluminium.	
			MANUFACTURERS: Fc=Fairchild, Fe=Ferranti, Hi=hitachi, Is=Intersil, ITT=Intermetall, Mot=Motorola, NS=National Semiconductors, Ph=Philips, RCA=RCA Corporation, Ses=Secosom, SGS=SGS/Ates, Sig=Signetics, St=Studer, Tf=Telefunken, TI=Texas Instruments, To=Toshiba.	
			1.328.232.00 AUTOLOCATOR DRIVER BOARD	BD 86/10/0800
			1.328.232.00 AUTOLOCATOR DRIVER BOARD	BD 86/10/0820
			1.328.232.00 AUTOLOCATOR DRIVER BOARD	BD 87/06/0522
			1.328.232.00 AUTOLOCATOR DRIVER BOARD	VF 89/09/2523
			1.328.232.00 AUTOLOCATOR DRIVER BOARD	ZB 90/11/2224

AUTOLOCATOR MODULE 1.328.230.82
AUTOLOCATOR CABINET 1.328.240.82
-PUSHBUTTON BOARD 1.328.233.81



06.06.89	VF	14.03.90	ZB			PAGE 1 OF 1
STUDER		AUTOLOCATOR PUSHBUTTON BOARD			SC	1.328.233-81

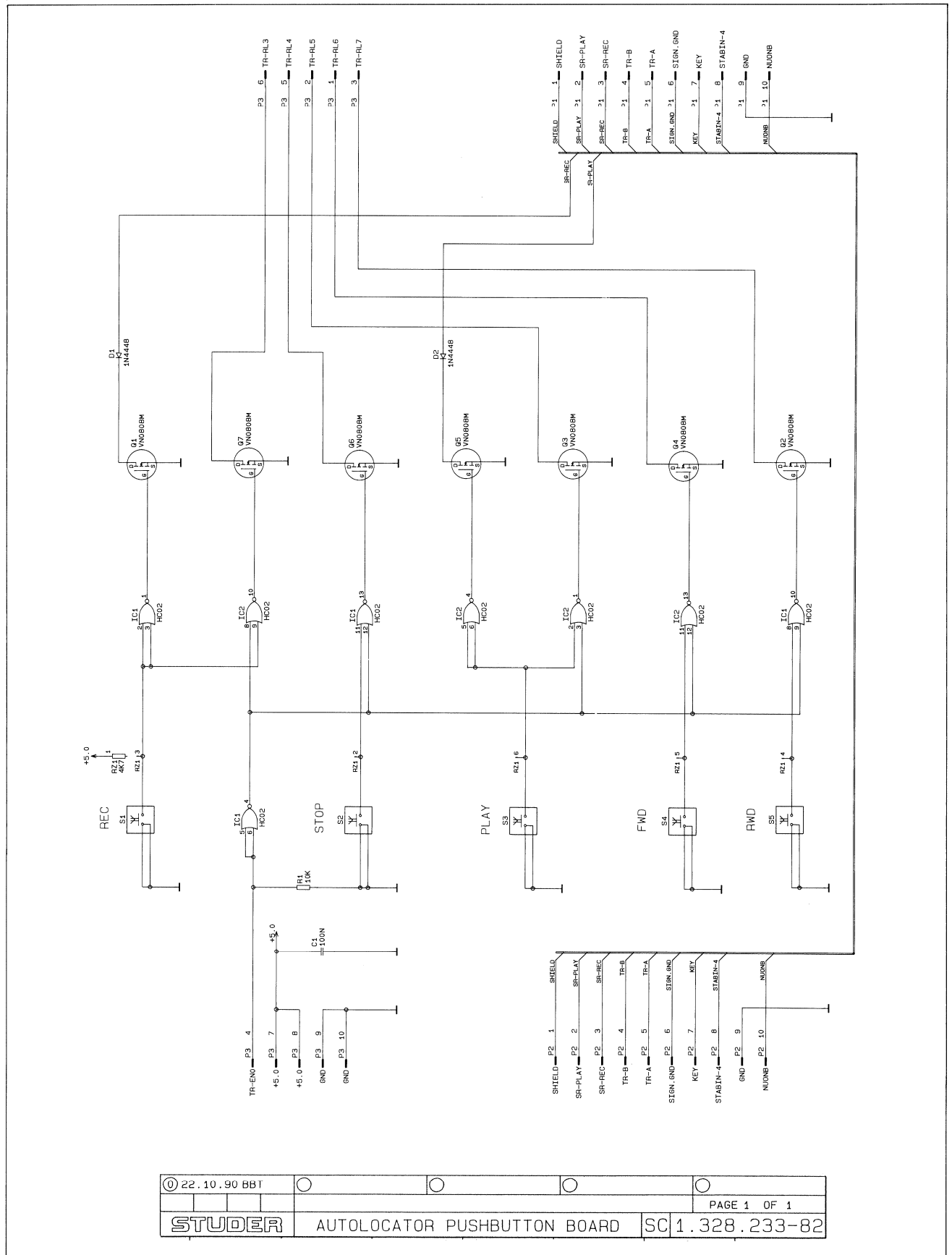
AUTOLOCATOR MODULE 1.328.230.82
AUTOLOCATOR CABINET 1.328.240.82
-PUSHBUTTON BOARD 1.328.233.81



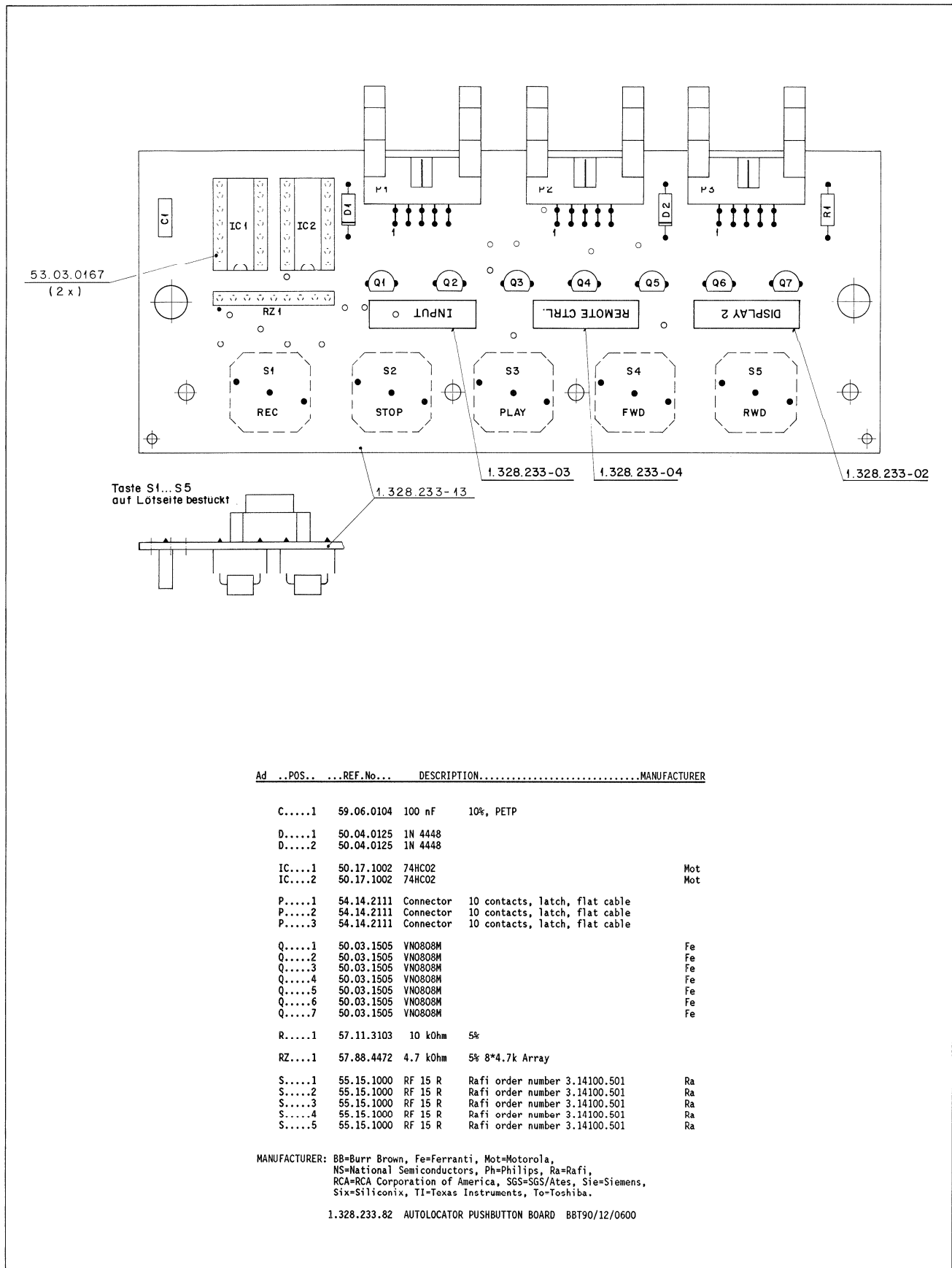
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
	C.....1	59.06.0224	220 nF	10%, PETP							
	D.....1	50.04.0125	1N 4448								
	D.....2	50.04.0125	1N 4448								
	F.....1	54.14.2111	Connector	10 contacts, latch, flat cable							
	F.....2	54.14.2111	Connector	10 contacts, latch, flat cable							
	F.....3	54.14.2111	Connector	10 contacts, latch, flat cable							
	Q.....1	50.03.0156	BC337		Sie						
	Q.....2	50.03.0156	BC337		Sie						
	Q.....3	50.03.0156	BC337		Sie						
	Q.....4	50.03.0156	BC337		Sie						
	R.....1	57.11.3472	4.7 kOhm	5%							
	R.....2	57.11.3472	4.7 kOhm	5%							
	R.....3	57.11.3472	4.7 kOhm	5%							
	R.....4	57.11.3472	4.7 kOhm	5%							
(00)	R.....5	57.11.3102	1 kOhm	5%							
(01)	R.....5	57.11.3152	1.5 kOhm	5%							
(00)	R.....6	57.11.3102	1 kOhm	5%							
(01)	R.....6	57.11.3152	1.5 kOhm	5%							
	S.....1	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110							
	S.....2	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110							
	S.....3	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110							
	S.....4	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110							
	S.....5	55.03.0261	TTL-switch	1 * OC, Rafi Nr. 3.13001.110							

ORIG 89/06/06 (01) 90/03/14

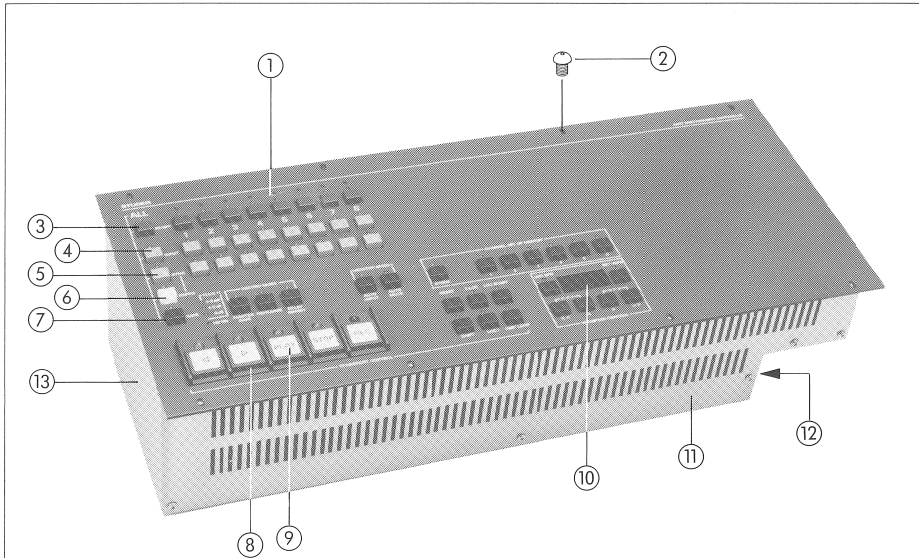
AUTOLOCATOR MODULE 1.328.230.83
AUTOLOCATOR CABINET 1.328.240.83
-PUSHBUTTON BOARD 1.328.233.82



AUTOLOCATOR MODULE 1.328.230.83
AUTOLOCATOR CABINET 1.328.240.83
-PUSHBUTTON BOARD 1.328.233.82



AUDIO REMOTE CONTROL 8CH 1.328.521.81



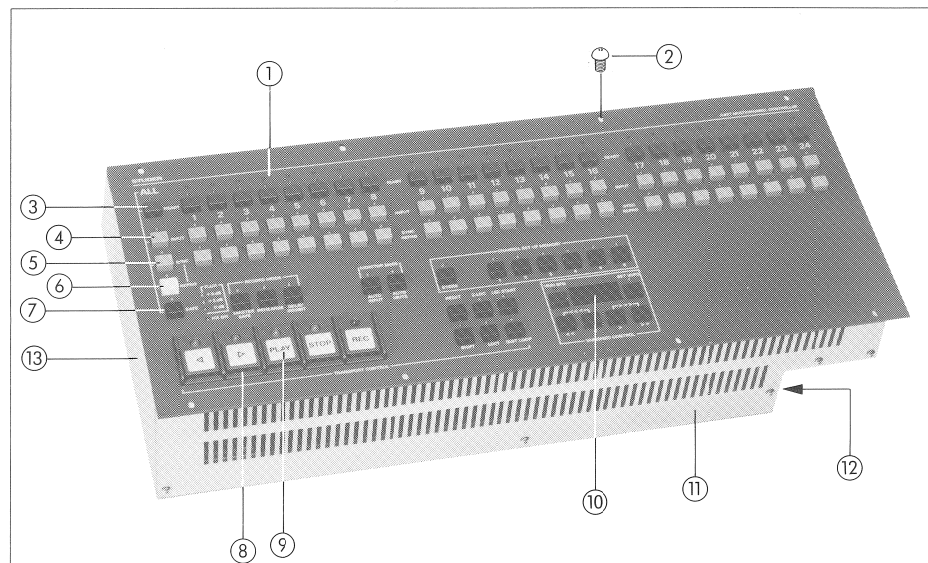
Connecting cables
(internal)

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.023.102.05	Flat cable 26-pin 0,5m ■ Keyboard driver PCB P5 to Basis board VU-Panel P6	
	2	1.023.104.01	Flat cable 40-pin 0,1m ■ Keyboard 8CH P1 to keyboard driver PCB P1 ■ Keyboard 8CH P3 to Keyboard driver PCB P3	
	1	1.023.104.06	Flat cable 40-pin 0,16m ■ Keyboard 8CH P2 to Keyboard driver PCB P2	
	1	1.023.144.50	Flat cable 40-pin 0,5m with 37-pin D-Type ■ Keyboard driver P6 to 37-pin D-Type connector	

Connecting cable
(external)

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.521.81	Audio remote control 8CH	
	1	1.328.525.00	Keyboard 8CH	
	1	1.328.530.20	Keyboard driver	
	1	1.328.523.27	Insulation	
	8	1.328.523.28	Spacer for Insulation	
	8	21.53.0356	Screw	M3 x 10
	8	24.16.1030	Fin washer	D3,2 / 5,5
	1	1.820.705.00	Basis board VU-Panel	
	1	1.820.706.00	DC-Converter 5,6V	
	1	1.827.783.22	MP-Unit audio remote control	
1	1	1.328.521.01	Frontplatte 8CH	
2	8	1.010.025.21	Oval head allen screw	M3 x 6
3	9	55.15.0515	Push button	green
4	9	55.15.0516	Push button	blue
5	9	55.15.0513	Push button	orange
6	1	55.15.0519	Push button	white
7	25	55.15.0510	Push button	black
8	1	1.810.302.81	Push button housing compl. (incl. Pos 8/9)	
	1	1.810.300.03	Push button housing	
	1	1.810.300.06	Damping strip for:	5 buttons
9	5	1.011.210.01	Push button	
	5	1.011.202.37	Self-adhesive labels: see section 10. Spring	D15,6 x 27
10	1	1.328.523.07	Plexi-glass	red
11	1	1.328.523.05	Cover-plate	
	9	21.51.8354	Oval head allen screw	M3 x 6
	9	24.16.1030	Fin washer	D3,2 / 5,5
	1	65.99.0183	Foam rubber strip 100mm	
12	1	1.328.523.29	Connector holder for 37 pol D-Type	
	2	1.010.035.54	Locking threaded bolt	
13	1	1.328.523.03	Housing	
	1	1.328.538.81	Connection cable 37-pin - D-Type	15m

AUDIO REMOTE CONTROL 24CH 1.328.523.81



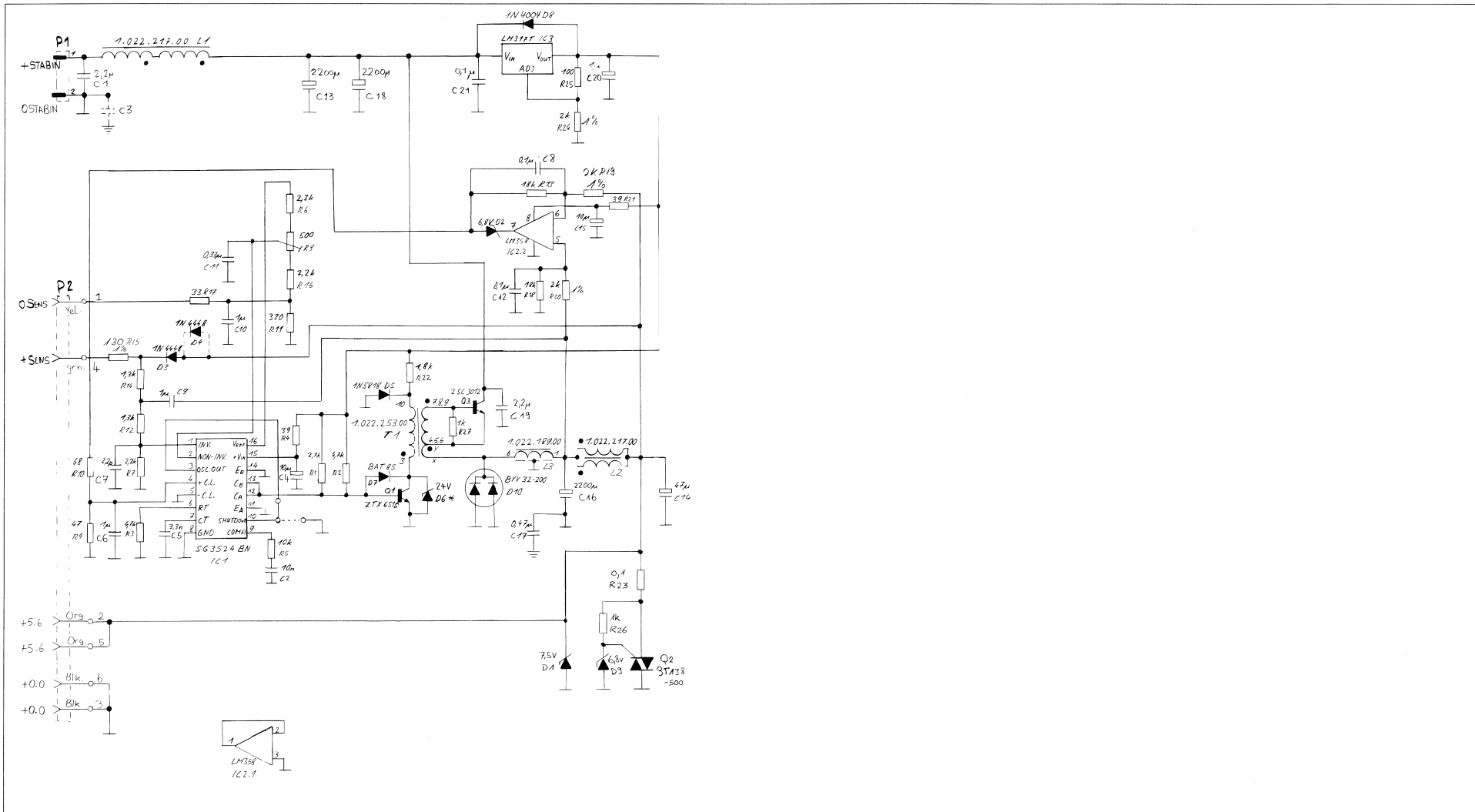
Connecting cables (internal)

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.023.102.05	Flat cable 26-pin 0,5m ■ Keyboard driver PCB P5 to Basis board VU-Panel P6	
	2	1.023.104.01	Flat cable 40-pin 0,1m ■ Keyboard 24CH, P1 to Keyboard driver PCB P1 ■ Keyboard 24CH, P3 to Keyboard driver PCB P3	
	1	1.023.104.06	Flat cable 40-pin 0,16m ■ Keyboard 24CH, P2 to Keyboard driver PCB P2	
	1	1.023.104.04	Flat cable 40-pin 0,4m ■ Keyboard 24CH, P4 to Keyboard driver PCB P4	
	1	1.023.144.50	Flat cable 40-pin 0,5m with 37-pin D-Type ■ Keyboard driver P6 to 37-pin D-Type connector	

Connecting cable (external)

Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.523.81	Audio remote control 24CH	
	1	1.328.527.00	Keyboard 24CH	
	1	1.328.530.20	Keyboard driver	
	1	1.328.523.27	Insulation	
	8	1.328.523.23	Spacer for Insulation	
	8	21.53.0356	Screw	M3 × 10
	8	24.16.1030	Fin washer	D3,2 / 5,5
	1	1.820.705.00	Basis board VU-Panel	
	1	1.820.706.00	DC-Converter 5,6V	
	1	1.827.783.22	MP-Unit audio remote control	
1	1	1.328.523.01	Frontplate 24CH	
2	8	1.010.025.21	Oval head allen screw	M3 × 6
3	25	55.15.0515	Push button	green
4	25	55.15.0516	Push button	blue
5	25	55.15.0513	Push button	orange
6	1	55.15.0519	Push button	white
7	25	55.15.0510	Push button	black
8	1	1.810.302.81	Push button housing compl. (incl. Pos 8/9)	
	1	1.810.300.03	Push button housing	
	1	1.810.300.06	Damping strip for:	5 buttons
9	5	1.011.210.01	Push button	
	5	1.011.202.37	Self-adhesive labels: see page 89	
			Spring	D15,6 × 27
10	1	1.328.523.07	Plexi-glass	red
11	1	1.328.523.05	Cover-plate	
	9	21.51.8354	Oval head allen screw	M3 × 6
	9	24.16.1030	Fin washer	D3,2 / 5,5
	1	65.99.0183	Foam rubber strip 100mm	
12	1	1.328.523.29	Connector holder for 37 pol D-Type	
	2	1.010.035.54	Locking threaded bolt	
13	1	1.328.523.03	Housing	
Pos.	Qty.	Order Number	Part Name	Specification
	1	1.328.538.81	Connection cable 37-pin – D-Type	15m

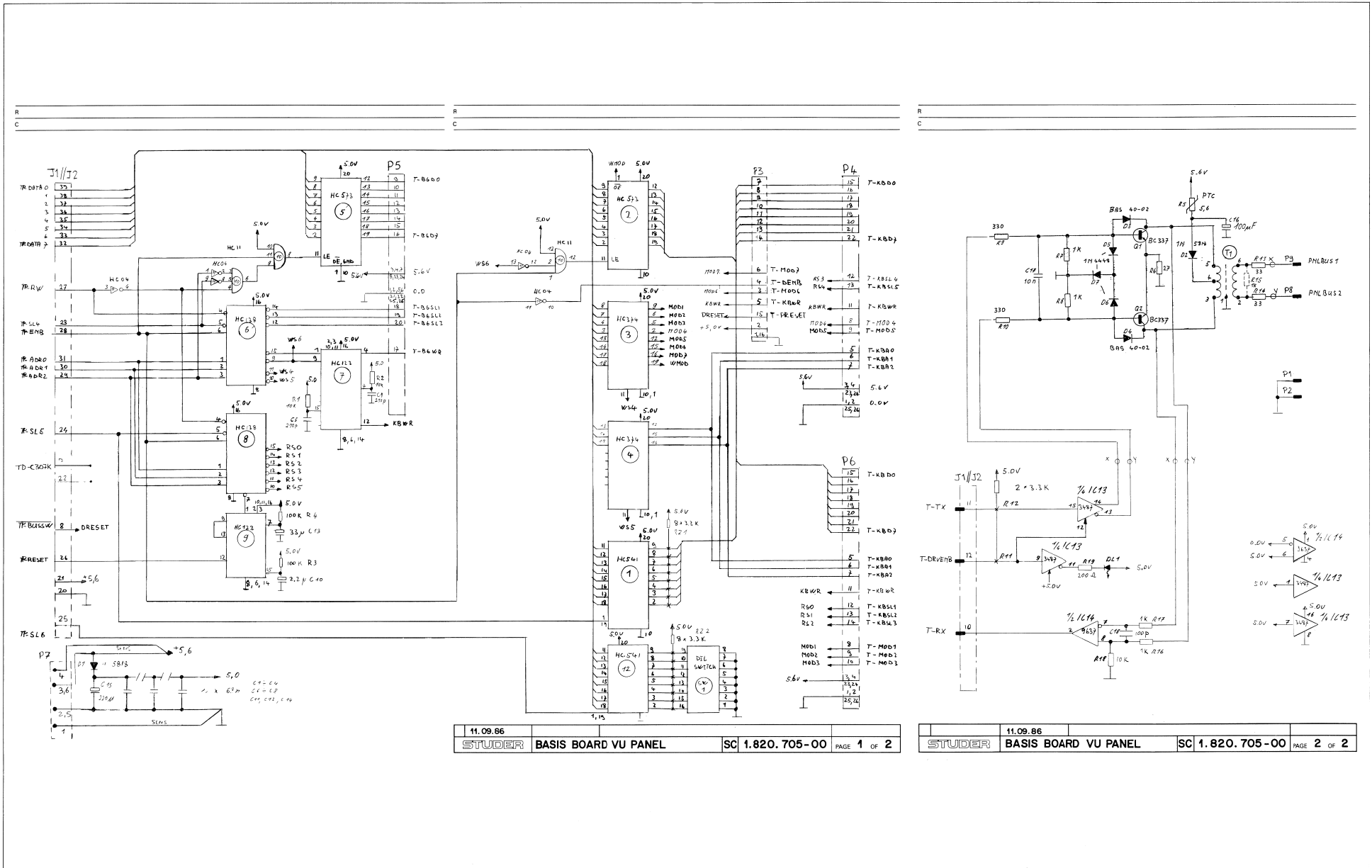
AUDIO REMOTE CONTROL 8CH 1.328.521.81
 AUDIO REMOTE CONTROL 24CH 1.328.523.81
 -DC CONVERTER 1.820.706.00



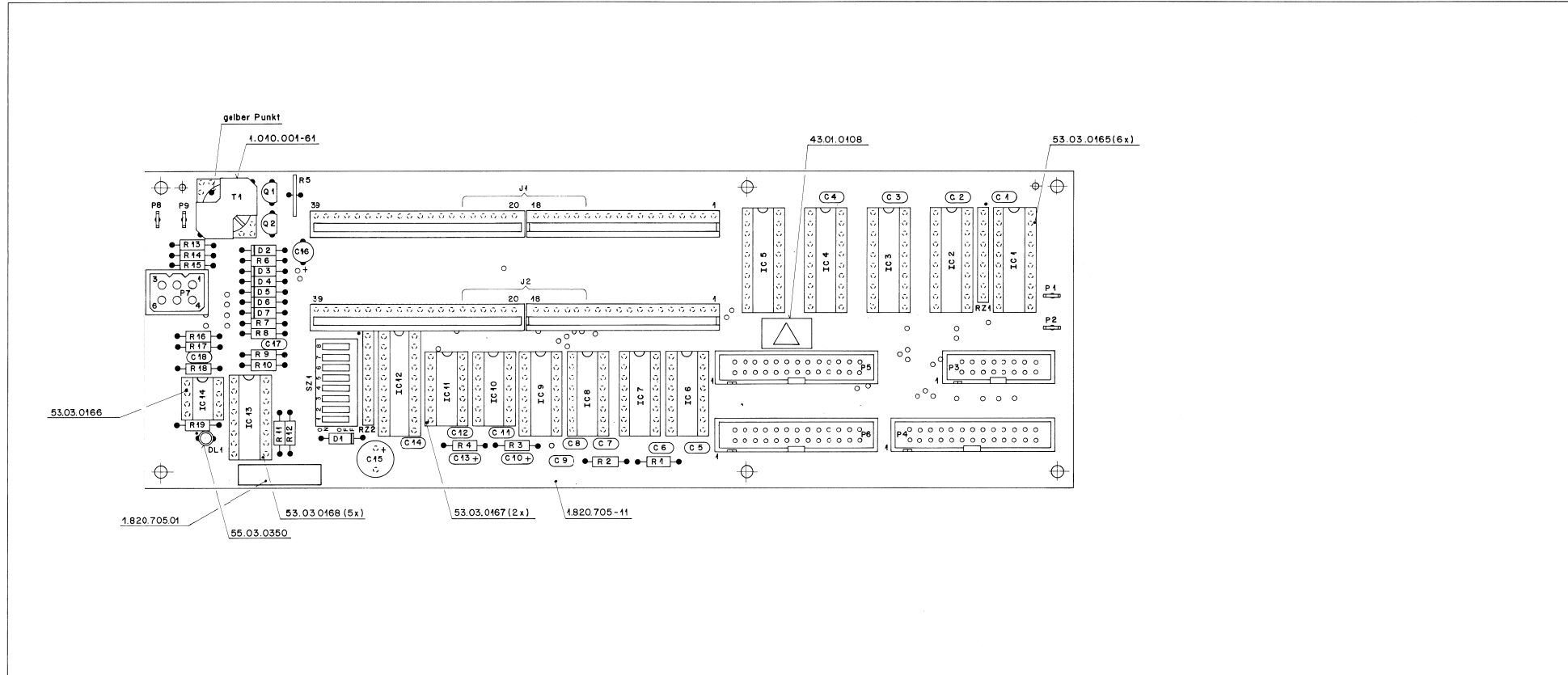
* Has been modified

① 16.0885	② 2.12.86	③ 04.05.87 LN	○ . . .	○ . . .
STUDER DC CONVERTER 5,6V				SC 1.820.706-00
PAGE 1 OF 1				

AUDIO REMOTE CONTROL 8CH 1.328.521.81
 AUDIO REMOTE CONTROL 24CH 1.328.523.81
 -BASIS BOARD VU PANEL 1.820.705.00

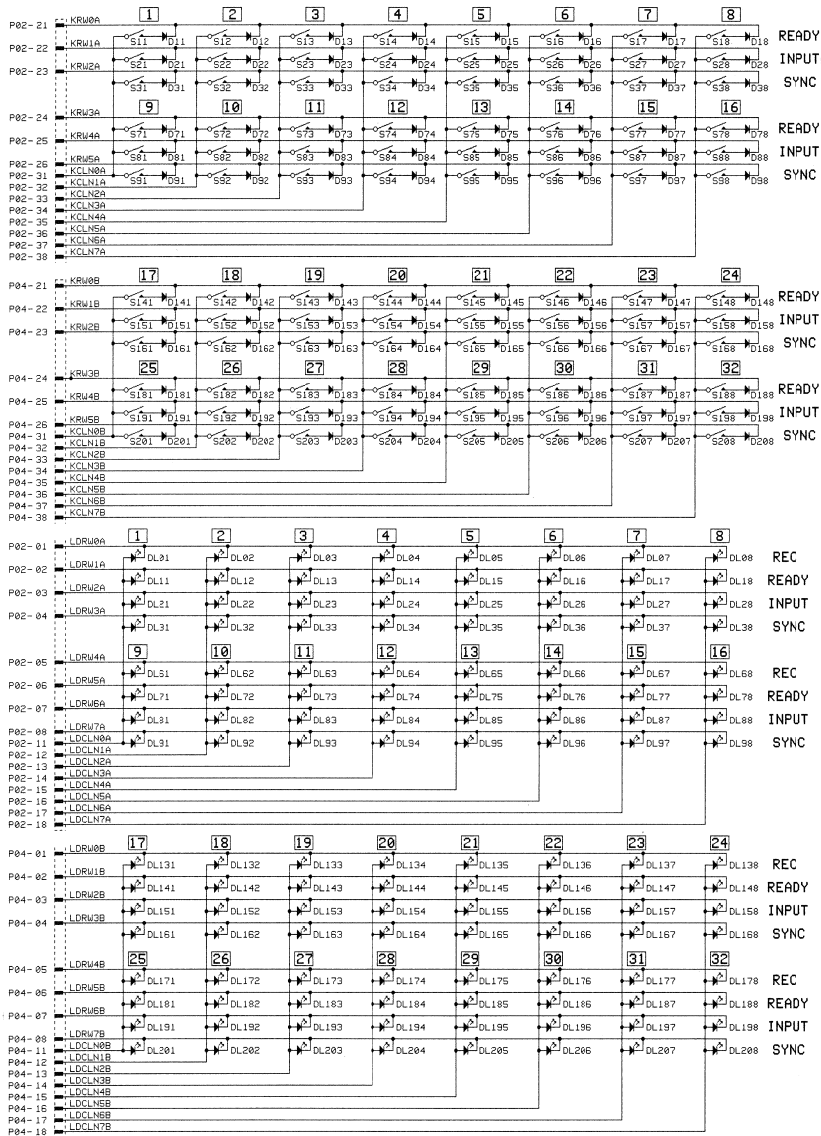


AUDIO REMOTE CONTROL 8CH 1.328.521.81
 AUDIO REMOTE CONTROL 24CH 1.328.523.81
 -BASIS BOARD VU PANEL 1.820.705.00

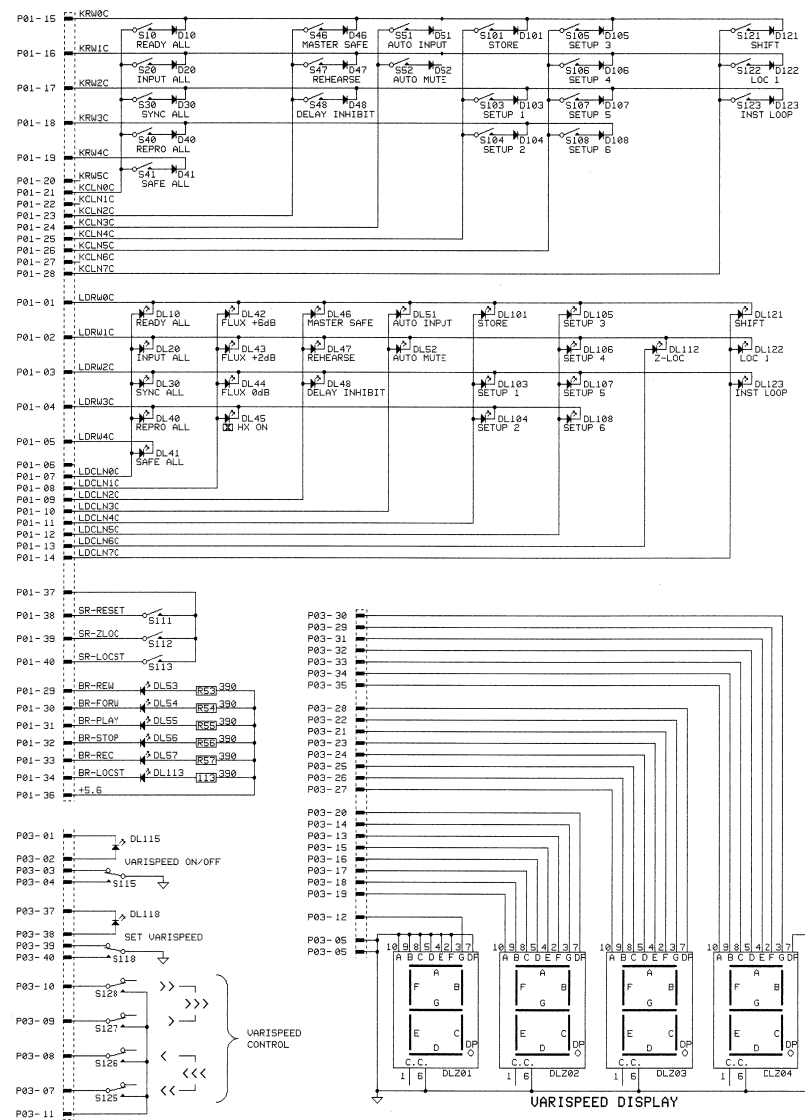


IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	
C....1	99.06.0683	68 nF	10K			IC....9	50.17.1123	74 HC 123		Met-NS/Pu/RCA/SGS-To/II		R....15	57.11.4102	1 kOhm	2K			
C....2	99.06.0683	68 nF	10K			IC....10	50.17.1031	74 HC 11		Met-NS/Pu/RCA/SGS-To/II		R....16	57.11.4102	1 kOhm	2K			
C....3	99.06.0683	68 nF	10K			IC....11	50.17.1004	74 HC 04		Met-NS/Pu/RCA/SGS-To/II		R....17	57.11.4102	1 kOhm	2K			
C....4	99.06.0683	68 nF	10K			IC....12	50.17.1561	74 HC 541		Met-NS/Pu/RCA/SGS-To/II		R....18	57.11.4103	10 kOhm	2K			
C....5	99.34.4271	270 nF	5K			IC....13	50.15.0105	MC 3487 P		Met-NS		R....19	57.11.3201	200 Ohm	1K			
C....6	99.06.0683	68 nF	10K			IC....14	50.15.0314	UAW74C93		Met-NS		R2....1	57.88.4332			see note 5		
C....7	99.06.0683	68 nF	10K			J....1			18 + 20 contacts, see note 1		R2....2	57.88.4332				see note 5		
C....8	99.06.0683	68 nF	10K			J....2			18 + 20 contacts, see note 1		SZ....1	55.01.0168				Switch array, AMP nr.435 166-5		
C....9	99.34.4271	270 nF	5K			F....1	54.01.0320				T....1	1.022.223.00				Studio Bus transformer	St	
C....10	99.06.0683	68 nF	10K			F....2	54.02.0320											
C....11	99.06.0683	68 nF	10K			F....3	54.14.2002	16 cont.	see note 2									
C....12	99.06.0683	68 nF	10K			F....4	54.14.2003	26 cont.	see note 3									
C....13	99.26.1330	33 nF	20K 6.3V, Sal			F....5	54.14.2003	26 cont.	see note 3									
C....14	99.06.0683	68 nF	10K			F....6	54.14.2003	26 cont.	see note 3									
C....15	99.22.2221	220 nF	20K 6.3V, EI			F....7	54.02.0320											
C....16	99.22.2103	100 nF	20K 6.3V, EI			F....8	54.02.0320											
C....17	99.06.0103	10 nF	10K			F....9	54.02.0320											
C....18	99.34.4101	100 nF	5K			Q....1	50.03.0516	HC 397 E		St								
D....1	50.04.0512	1N 5818	1N 5819		Met	Q....2	50.03.0516	HC 397 E		St								
D....2	50.04.0512	1N 5818	1N 5819		Met	R....1	57.11.4103	10 kOhm	2K									
D....3	50.04.0127	BAT 42	BAT 5S, BAS 40-02		Ph/Sie/Tho	R....2	57.11.4103	10 kOhm	2K									
D....4	50.04.0127	BAT 42	BAT 5S, BAS 40-02		Ph/Sie/Tho	R....3	57.11.4104	100 kOhm	2K									
D....5	50.04.0128	1N 4448			Fe/ITT-Pu/Sae/IF	R....4	57.11.4104	100 kOhm	2K									
D....6	50.04.0128	1N 4448			Fe/ITT-Pu/Sae/IF	R....5	57.11.4270	27 Ohm	2K									
D....7	50.04.0128	1N 4448			Fe/ITT-Pu/Sae/IF	R....6	57.11.4270	27 Ohm	2K									
DL....1	50.04.2129	LS 3160-HC	Q 62703 - Q 1304		Sie	R....7	57.11.4102	1 kOhm	2K									
IC....1	50.17.1561	74 HC 541			Met-NS/Pu/RCA/SGS-To/II	R....8	57.11.4102	1 kOhm	2K									
IC....2	50.17.1573	74 HC 373			Met-NS/Pu/RCA/SGS-To/II	R....9	57.11.4331	330 Ohm	2K									
IC....3	50.17.1574	74 HC 374			Met-NS/Pu/RCA/SGS-To/II	R....10	57.11.4331	330 Ohm	2K									
IC....4	50.17.1574	74 HC 374			Met-NS/Pu/RCA/SGS-To/II	R....11	57.11.4332	3.3 kOhm	2K									
IC....5	50.17.1573	74 HC 373			Met-NS/Pu/RCA/SGS-To/II	R....12	57.11.4332	3.3 kOhm	2K									
IC....6	50.17.1139	74 HC 138			Met-NS/Pu/RCA/SGS-To/II	R....13	57.11.4330	33 Ohm	2K									
IC....7	50.17.1123	74 HC 123			Met-NS/Pu/RCA/SGS-To/II	R....14	57.11.4330	33 Ohm	2K									
IC....8	50.17.1139	74 HC 138			Met-NS/Pu/RCA/SGS-To/II													

AUDIO REMOTE CONTROL 8CH 1.328.521.81
AUDIO REMOTE CONTROL 24CH 1.328.523.81
- KEYBOARD 8CH: 1.328.525.00 / 24CH: 1328.527.00



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A 827 AUDIO REMOTE CONTROL			
STUDER	KEYBOARD	SC	1.328.528-00



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A 827 AUDIO REMOTE CONTROL			
STUDER	KEYBOARD	SC	1.328.528-00

AUDIO REMOTE CONTROL 24CH 1.328.523.81
-KEYBOARD 24CH 1.328.527.00

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
DL...	65	50.04.2121	TUUY 2401	LED red, D=1.9 mm	
DL...	66	50.04.2121	TUUY 2401	LED red, D=1.9 mm	
DL...	67	50.04.2121	TUUY 2401	LED red, D=1.9 mm	
DL...	68	50.04.2121	TUUY 2401	LED red, D=1.9 mm	
DL...	71	50.04.2139	TUUY 2401	LED green, D=1.9 mm	
DL...	72	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	73	50.04.2139	TUUY 2401	LED green, D=1.9 mm	
DL...	74	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	75	50.04.2139	TUUY 2401	LED green, D=1.9 mm	
DL...	76	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	77	50.04.2139	TUUY 2401	LED green, D=1.9 mm	
DL...	78	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	81	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	82	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	83	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	84	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	85	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	86	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	87	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	88	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	91	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	92	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	93	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	94	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	95	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	96	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	97	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	98	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	101	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	103	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	104	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	105	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	106	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	107	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	108	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	112	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	113	50.04.2139	TUUY 2401	LED red, D=1.9 mm	

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
DL...	115	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	118	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	121	50.04.2139	TUUY 2401	LED green, D=1.9 mm	
DL...	122	50.04.2139	TUUY 2401	LED green, D=1.9 mm	
DL...	123	50.04.2139	TUUY 2401	LED green, D=1.9 mm	
DL...	131	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	132	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	133	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	134	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	135	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	136	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	137	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	138	50.04.2122	TUUY 2401	LED red, D=1.9 mm	
DL...	141	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	142	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	143	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	144	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	145	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	146	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	147	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	148	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	149	50.04.2132	TUUY 2401	LED green, D=1.9 mm	
DL...	151	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	152	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	153	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	154	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	155	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	156	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	157	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	159	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	161	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	162	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	163	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	164	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	165	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	166	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	167	50.04.2139	TUUY 2401	LED red, D=1.9 mm	
DL...	168	50.04.2139	TUUY 2401	LED red, D=1.9 mm	

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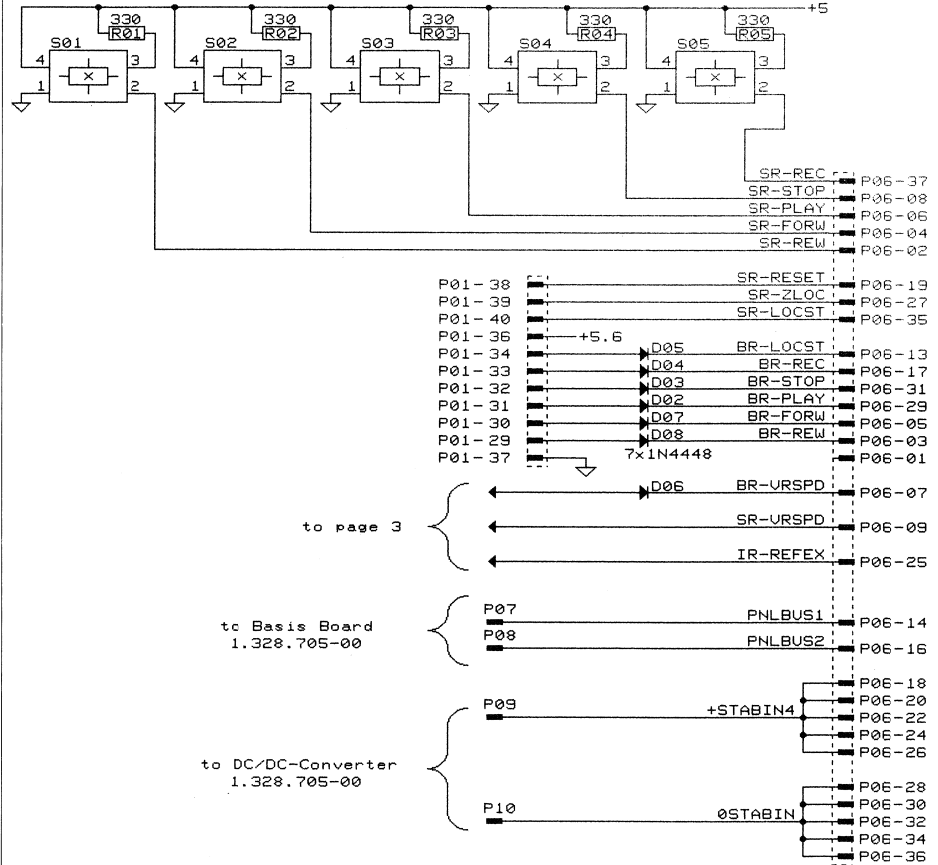
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
DL2...	1	73.01.0121	F8D 367	Seven Segment Display	GI
DL2...	2	73.01.0121	F8D 367	Seven Segment Display	GI
DL2...	3	73.01.0121	F8D 367	Seven Segment Display	GI
DL2...	4	73.01.0121	F8D 367	Seven Segment Display	GI
MP...	1	1.328.525.11	1 pce	FCB	
MP...	2	1.328.527.10	1 pce	No. Label	
MP...	3	43.01.0108	1 pce	EEE marking label	
MP...	4	33.03.0218	106 pce	XIC single line	
MP...	5	35.15.0501	101 pce	Pushbutton switch	
MP...	6	35.15.0510	25 pce	Pushbutton blk	
MP...	7	35.15.0513	25 pce	Pushbutton org	
MP...	8	35.15.0515	25 pce	Pushbutton grn	
MP...	9	35.15.0516	25 pce	Pushbutton blk	
MP...	10	35.15.0519	1 pce	Pushbutton wht	
MP...	11	1.328.230.09	1 pce	LED bracket	
F....	1	54.14.2004	40-pol	FCB Connector for Ribbon-Cable	
F....	2	54.14.2004	40-pol	FCB Connector for Ribbon-Cable	
F....	3	54.14.2004	40-pol	FCB Connector for Ribbon-Cable	
F....	4	54.14.2004	40-pol	FCB Connector for Ribbon-Cable	
R....	53	57.11.3390	390 Ohm	2K 0.25W, MF	
R....	54	57.11.3390	390 Ohm	2K 0.25W, MF	
R....	55	57.11.3390	390 Ohm	2K 0.25W, MF	
R....	56	57.11.3390	390 Ohm	2K 0.25W, MF	
R....	57	57.11.3390	390 Ohm	2K 0.25W, MF	
R....	113	57.11.3390	390 Ohm	2K 0.25W, MF	

MP=Metel Film
MANUFACTURER: GI=General Instruments

ORIG 89/02/23

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AUDIO REMOTE CONTROL 8CH 1.328.521.81
AUDIO REMOTE CONTROL 24CH 1.328.523.81
-KEYBOARD DRIVER 1.328.530.20



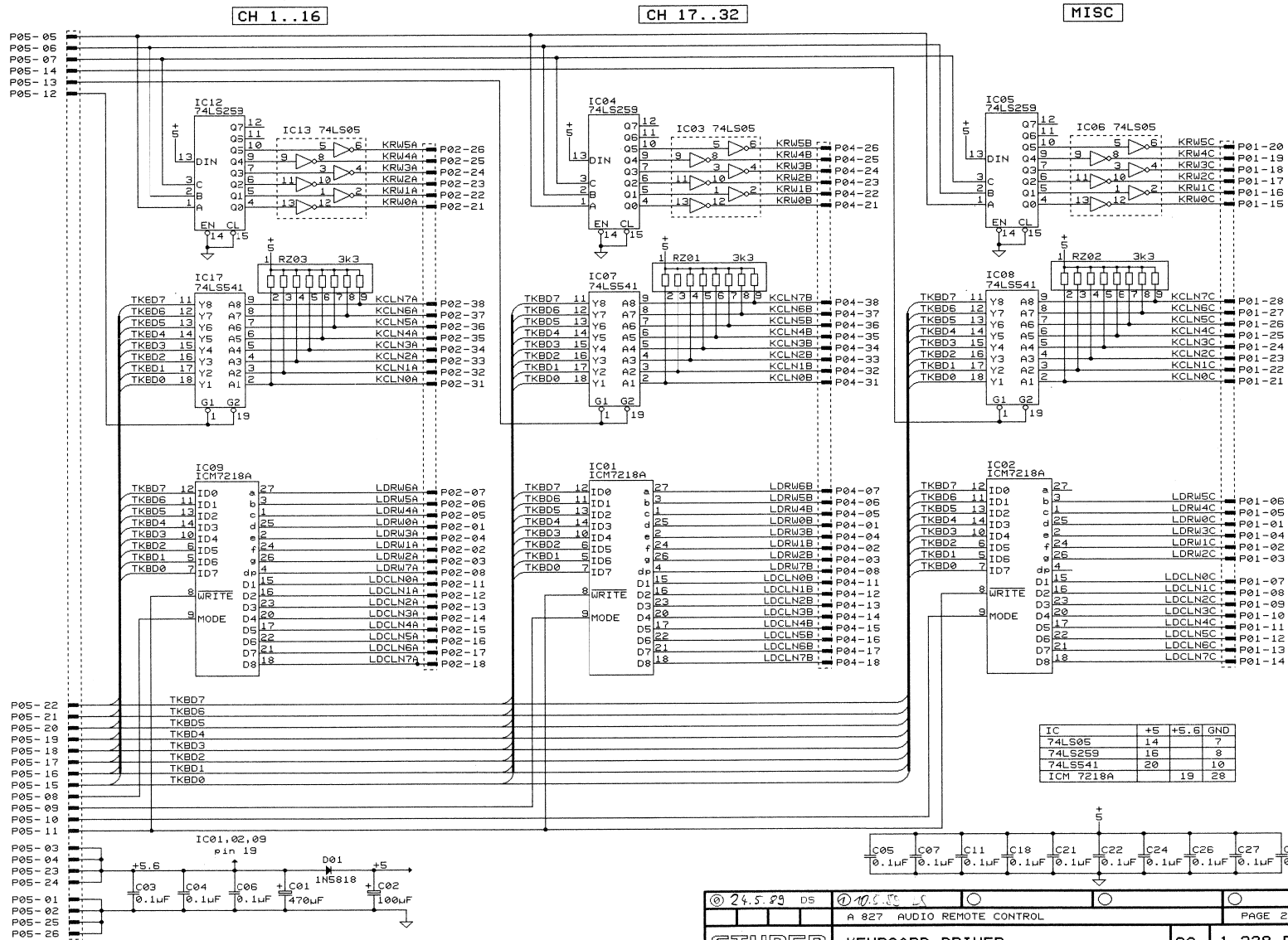
to page 3

to Basis Board
1.328.705-00

to DC/DC-Converter
1.328.705-00

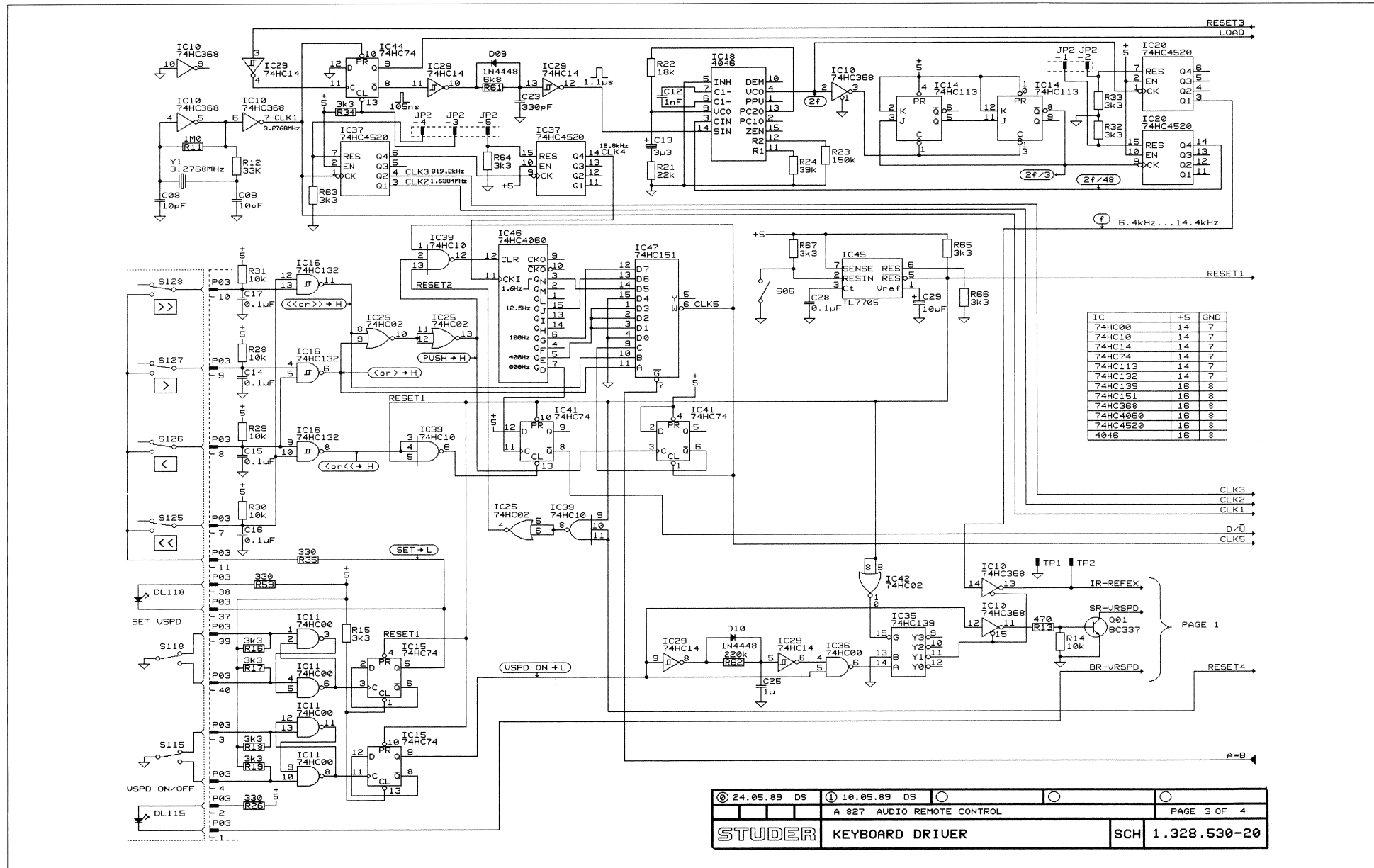
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A 827 AUDIO REMOTE CONTROL		PAGE 1 OF 4	
STUDER	KEYBOARD DRIVER	SC	1.328.530-20

AUDIO REMOTE CONTROL 8CH 1.328.521.81
 AUDIO REMOTE CONTROL 24CH 1.328.523.81
 -KEYBOARD DRIVER 1.328.530.20

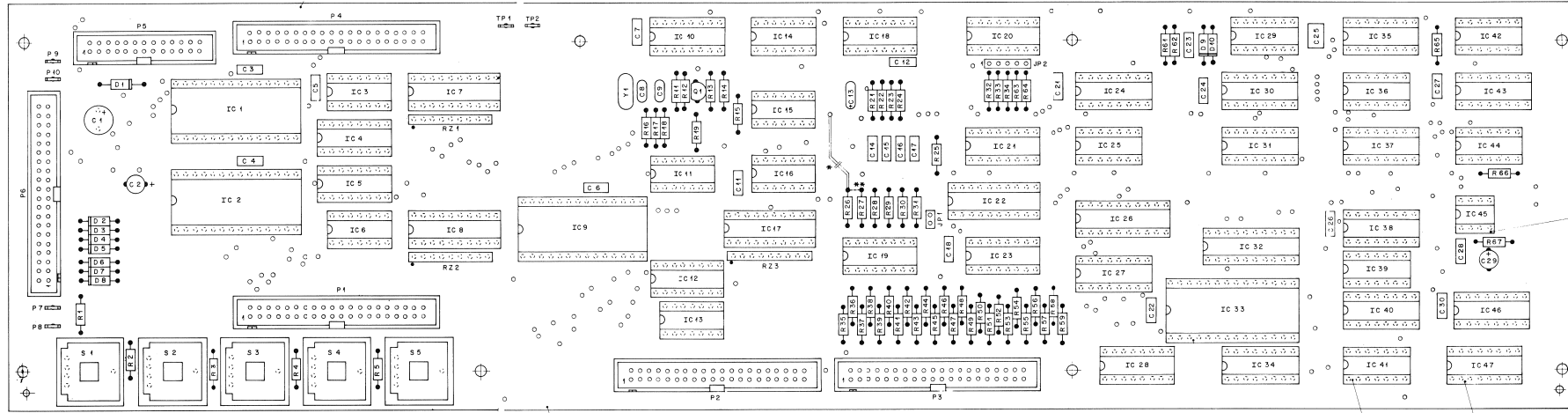


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A 827 AUDIO REMOTE CONTROL		PAGE 2 OF 4	
STUDER	KEYBOARD DRIVER	SC	1.328.530-20

AUDIO REMOTE CONTROL 8CH 1.328.521.81
 AUDIO REMOTE CONTROL 24CH 1.328.523.81
 -KEYBOARD DRIVER 1.328.530.20



AUDIO REMOTE CONTROL 8CH 1.328.521.81
AUDIO REMOTE CONTROL 24CH 1.328.523.81
-KEYBOARD DRIVER 1.328.530.20



* Unterbrücke Bestückungsseite (⊖)
 ** Drahtbrücke Lötseite (⊕)

53.03.0166 (14 x)
 53.03.0167 (14 x)
 53.03.0168 (22 x)

IND.	POS.ND.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.ND.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.ND.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.				
C...	1	59.22.3471	470 u	20% 10V EL		D...	10	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	36	50.17.1000	74HC 00	Quad 2-Input NAND Gate	R...	4	57.11.3331	330 Ohm	2% 0.25W, MF
C...	2	59.22.3101	100 u	20% 10V EL		I...	11	50.07.0035	ICM7218A1J	8-Digit LED Driver	Maxim	I...	37	50.17.4020	74HC000	Dual 4-8Bit Binary Counter	R...	5	57.11.3331	330 Ohm	2% 0.25W, MF
C...	3	59.06.0104	0.1 u	10% 63V PETP		I...	12	50.07.0035	ICM7218A1J	8-Digit LED Driver	Maxim	I...	38	50.17.1193	74HC 193	Preset, 4-8Bit Bin. Up/Down Counter	R...	11	57.11.3105	1 kOhm	2% 0.25W, MF
C...	4	59.06.0104	0.1 u	10% 63V PETP		I...	13	50.06.0005	SN74LS 05N	Hex Inverter with Open Collector	TI	I...	39	50.17.1010	74HC 10	Triple 3-Input NAND Gate	R...	12	57.11.3331	330 Ohm	2% 0.25W, MF
C...	5	59.06.0104	0.1 u	10% 63V PETP		I...	14	50.06.0259	SN74LS299R	8-Bit addressable Latches	TI/Mot	I...	40	50.17.1191	74HC 191	Presetable 4-8Bit Binary Up/Down Counter	R...	13	57.11.3471	470 Ohm	2% 0.25W, MF
C...	6	59.06.0104	0.1 u	10% 63V PETP		I...	15	50.06.0259	SN74LS299R	8-Bit addressable Latches	TI/Mot	I...	41	50.17.1074	74HC 74	Dual D-Type Flip-Flop with Set & Reset	R...	14	57.11.3103	10 kOhm	2% 0.25W, MF
C...	7	59.34.1100	10 p	5% NP 0 V CER		I...	16	50.06.0541	SN74LS541N	Hex Inverter with Open Collector	TI	I...	42	50.17.1052	74HC 02	Quad 2-Input NOR Gate	R...	15	57.11.3332	3.3 kOhm	2% 0.25W, MF
C...	8	59.34.2890	39 p	5% NP 0 V CER		I...	17	50.06.0541	SN74LS541N	Hex 3-State Buffer	TI/Mot	I...	43	50.17.1193	74HC 193	Preset, 4-8Bit Bin. Up/Down Counter	R...	16	57.11.3332	3.3 kOhm	2% 0.25W, MF
C...	9	59.06.0104	0.1 u	10% 63V PETP		I...	18	50.17.1868	74HC 96B	Hex 3-State Inv. Buffer	TI/Mot	I...	44	50.17.1074	74HC 74	Dual D-Type Flip-Flop with Set & Reset	R...	17	57.11.3332	3.3 kOhm	2% 0.25W, MF
C...	10	59.06.0104	0.1 u	10% 63V PETP		I...	19	50.07.0035	ICM7218A1J	8-Digit LED Driver	Maxim	I...	45	50.11.0122	75 7500	Reset/Generator	R...	18	57.11.3332	3.3 kOhm	2% 0.25W, MF
C...	11	59.06.0102	1000 p	10% 63V PETP		I...	20	50.17.1000	74HC 00	Quad 2-Input NAND Gate	TI/Mot	I...	46	50.17.4050	74HC060	14-Stage Binary Ripple Counter	R...	19	57.11.3332	3.3 kOhm	2% 0.25W, MF
C...	12	59.06.2399	3.3 u	20% 14V BML		I...	21	50.17.1193	74HC 193	Hex 3-State Buffer	TI	I...	47	50.17.1151	74HC 151	0 Input Data Selector/Multiplexer	R...	22	57.11.3103	10 kOhm	2% 0.25W, MF
C...	13	59.06.0104	0.1 u	10% 63V PETP		I...	22	50.06.0259	SN74LS299R	8-Bit addressable Latches	TI/Mot	(00)	MP...	1.328.525.11	1 ppc	PC Board	R...	23	57.11.3103	10 kOhm	2% 0.25W, MF
C...	14	59.06.0104	0.1 u	10% 63V PETP		I...	23	50.06.0005	SN74LS 05N	Hex Inverter with Open Collector	TI	(00)	MP...	1.328.525.12	1 ppc	PC Board	R...	24	57.11.3399	99 kOhm	2% 0.25W, MF
C...	15	59.06.0104	0.1 u	10% 63V PETP		I...	24	50.17.1113	74HC 113	Dual 8-Flip-Flop with Set	TI	(00)	MP...	1.328.525.10	1 ppc	W Label	R...	25	57.11.3104	9.9 kOhm	2% 0.25W, MF
C...	16	59.06.0104	0.1 u	10% 63V PETP		I...	25	50.06.0005	SN74LS 05N	Hex Inverter with Open Collector	TI	(00)	MP...	1.101.001.20	1 ppc	Text Label	R...	26	57.11.3331	330 Ohm	2% 0.25W, MF
C...	17	59.06.0104	0.1 u	10% 63V PETP		I...	26	50.17.1132	74HC 132	Quad 2-Input NAND Schmitt Trigger	TI	(00)	MP...	43-01.0108	1 ppc	EEE Meaning Label	R...	27	57.11.3102	10 kOhm	2% 0.25W, MF
C...	18	59.06.0104	0.1 u	10% 63V PETP		I...	27	50.17.1074	74HC 74	Dual 3-Input NOR Gate	TI/Mot	(00)	MP...	54.01.0020	2 ppc	Contact Pin JFI	R...	28	57.11.3103	10 kOhm	2% 0.25W, MF
C...	19	59.06.0104	0.1 u	10% 63V PETP		I...	28	50.06.0541	SN74LS541N	Hex 3-State Buffer	TI/Mot	(00)	MP...	54.01.0020	7 ppc	Contact Pin JFI + JF2	R...	29	57.11.3103	10 kOhm	2% 0.25W, MF
C...	20	59.34.4931	330 p	10% 50V CER		I...	29	50.17.1004	MC4046EB	Phase-Locked Loop	Mot	(01)	MP...	54.01.0020	40-ppc	FB Connector for Ribbon-Cable	R...	30	57.11.3103	10 kOhm	2% 0.25W, MF
C...	21	59.06.0104	0.1 u	10% 63V PETP		I...	30	50.17.4050	74HC060	Dual 4-8Bit Binary Counter	F...	F...	1	54.14.2004	40-ppc	FB Connector for Ribbon-Cable	R...	31	57.11.3103	10 kOhm	2% 0.25W, MF
C...	22	59.06.0104	0.1 u	10% 63V PETP		I...	31	50.17.1085	74HC 85	4-8Bit Magnitude Comparator	F...	F...	2	54.14.2004	40-ppc	FB Connector for Ribbon-Cable	R...	32	57.11.3332	3.3 kOhm	2% 0.25W, MF
C...	23	59.06.0104	0.1 u	10% 63V PETP		I...	32	50.17.1574	74HC 574	8-3-State Noninverting D-Flip-Flop	F...	F...	3	54.14.2004	40-ppc	FB Connector for Ribbon-Cable	R...	33	57.11.3332	3.3 kOhm	2% 0.25W, MF
C...	24	59.06.0104	0.1 u	10% 63V PETP		I...	33	50.07.0011	CJ 4511	BCD-to-7 Seg. Latch/Decoder/Driver	F...	F...	4	54.14.2004	40-ppc	FB Connector for Ribbon-Cable	R...	34	57.11.3332	3.3 kOhm	2% 0.25W, MF
C...	25	59.06.0104	0.1 u	10% 63V PETP		I...	34	50.17.1193	74HC 193	Preset, 4-8Bit Bin. Up/Down Counter	F...	F...	5	54.14.2004	28-ppc	FB Connector for Ribbon-Cable	R...	35	57.11.3331	330 Ohm	2% 0.25W, MF
C...	26	59.06.0104	0.1 u	10% 63V PETP		I...	35	50.17.1002	74HC 02	Quad 2-Input NOR Gate	F...	F...	6	54.14.2004	40-ppc	FB Connector for Ribbon-Cable	R...	36	57.11.3331	330 Ohm	2% 0.25W, MF
C...	27	59.06.0104	0.1 u	10% 63V PETP		I...	36	50.17.1574	74HC 574	8-3-State Noninverting D-Flip-Flop	F...	F...	7	54.02.0320	40-ppc	Flag 2,0x0,0	R...	37	57.11.3331	330 Ohm	2% 0.25W, MF
C...	28	59.06.0104	0.1 u	10% 63V PETP		I...	37	50.07.0011	CJ 4511	BCD-to-7 Seg. Latch/Decoder/Driver	F...	F...	8	54.02.0320	40-ppc	Flag 2,0x0,0	R...	38	57.11.3331	330 Ohm	2% 0.25W, MF
C...	29	59.22.8100	10 u	20% 50V EL		I...	38	50.17.1191	74HC 191	Presetable 4-8Bit Binary Up/Down Counter	F...	F...	9	54.02.0320	40-ppc	Flag 2,0x0,0	R...	39	57.11.3331	330 Ohm	2% 0.25W, MF
C...	30	59.06.0104	0.1 u	10% 63V PETP		I...	39	50.17.1002	74HC 02	Quad 2-Input NOR Gate	F...	F...	10	54.02.0320	40-ppc	Flag 2,0x0,0	R...	40	57.11.3331	330 Ohm	2% 0.25W, MF
D...	1	50.04.0512	18 5819	18 5819, 30V, 1 A, Schottky	Mot	I...	40	50.17.1574	74HC 574	8-3-State Noninverting D-Flip-Flop	F...	F...	11	54.02.0320	40-ppc	Flag 2,0x0,0	R...	41	57.11.3331	330 Ohm	2% 0.25W, MF
D...	2	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	41	50.17.4050	74HC060	Dual 4-8Bit Binary Counter	F...	F...	12	54.02.0320	40-ppc	Flag 2,0x0,0	R...	42	57.11.3331	330 Ohm	2% 0.25W, MF
D...	3	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	42	50.17.1014	74HC 194	Preset, 4-8Bit Bin. Up/Down Counter	F...	F...	13	54.02.0320	40-ppc	Flag 2,0x0,0	R...	43	57.11.3331	330 Ohm	2% 0.25W, MF
D...	4	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	43	50.17.1193	74HC 193	Preset, 4-8Bit Bin. Up/Down Counter	F...	F...	14	54.02.0320	40-ppc	Flag 2,0x0,0	R...	44	57.11.3331	330 Ohm	2% 0.25W, MF
D...	5	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	44	50.17.1193	74HC 193	Preset, 4-8Bit Bin. Up/Down Counter	F...	F...	15	54.02.0320	40-ppc	Flag 2,0x0,0	R...	45	57.11.3331	330 Ohm	2% 0.25W, MF
D...	6	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	45	50.17.1574	74HC 574	8-3-State Noninverting D-Flip-Flop	F...	F...	16	54.02.0320	40-ppc	Flag 2,0x0,0	R...	46	57.11.3331	330 Ohm	2% 0.25W, MF
D...	7	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	46	1.328.981.20	74HC 138	Dec-3-to-8 Decoder/Multiplexer	St	R...	1	57.11.3331	330 Ohm	2% 0.25W, MF					
D...	8	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	47	50.17.1191	74HC 191	Presetable 4-8Bit Binary Up/Down Counter	St	R...	2	57.11.3331	330 Ohm	2% 0.25W, MF					
D...	9	50.04.0125	18 4448	75 V, 0.1 A, 4 wv. Sl.		I...	48	50.17.1193	74HC 193	Presetable 4-8Bit Binary Up/Down Counter	St	R...	3	57.11.3331	330 Ohm	2% 0.25W, MF					

AUDIO REMOTE CONTROL 8CH 1.328.521.81
AUDIO REMOTE CONTROL 24CH 1.328.523.81
-KEYBOARD DRIVER 1.328.530.20



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R...	47	57.11.3331	330 Ohm	2% 0.25W MF	
R...	48	57.11.3331	330 Ohm	2% 0.25W MF	
R...	49	57.11.3331	330 Ohm	2% 0.25W MF	
R...	50	57.11.3331	330 Ohm	2% 0.25W MF	
R...	51	57.11.3331	330 Ohm	2% 0.25W MF	
R...	52	57.11.3331	330 Ohm	2% 0.25W MF	
R...	53	57.11.3331	330 Ohm	2% 0.25W MF	
R...	54	57.11.3331	330 Ohm	2% 0.25W MF	
R...	55	57.11.3331	330 Ohm	2% 0.25W MF	
R...	56	57.11.3331	330 Ohm	2% 0.25W MF	
R...	57	57.11.3331	330 Ohm	2% 0.25W MF	
R...	58	57.11.3331	330 Ohm	2% 0.25W MF	
R...	59	57.11.3331	330 Ohm	2% 0.25W MF	
R...	61	57.11.3682	6.8 kOhm	2% 0.25W MF	
R...	62	57.11.3224	220 kOhm	2% 0.25W MF	
(01) R...	63	57.11.3332	3.3 kOhm	2% 0.25W MF	
(01) R...	64	57.11.3332	3.3 kOhm	2% 0.25W MF	
R...	65	57.11.3332	3.3 kOhm	2% 0.25W MF	
R...	66		not used		
R...	67	57.11.3332	3.3 kOhm	2% 0.25W MF	
RZ...	1	57.88.4332	8*3.3 kOhm	5% Network	
RZ...	2	57.88.4332	8*3.3 kOhm	5% Network	
RZ...	3	57.88.4332	8*3.3 kOhm	5% Network	
S...	1	55.03.0261	TTL Switch	Rafi Nr.3.13001.110	
S...	2	55.03.0261	TTL Switch	Rafi Nr.3.13001.110	
S...	3	55.03.0261	TTL Switch	Rafi Nr.3.13001.110	
S...	4	55.03.0261	TTL Switch	Rafi Nr.3.13001.110	
S...	5	55.03.0261	TTL Switch	Rafi Nr.3.13001.110	
S...	6		not used		
TP...	1	54.02.0320		Plug 2.8*0.8	AMP
TP...	2	54.02.0320		Plug 2.8*0.8	AMP
XIC...	1	53.03.0173	28-Pole	IC Socket	
XIC...	2	53.03.0173	28-Pole	IC Socket	

S T U D E R (01) 89/06/07 DS KEY BOARD DRIVER PL 1.328.530.20 PAGE 5

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
XIC...	3	53.03.0167	14-Pole	IC Socket	
XIC...	4	53.03.0168	16-Pole	IC Socket	
XIC...	5	53.03.0168	16-Pole	IC Socket	
XIC...	6	53.03.0167	14-Pole	IC Socket	
XIC...	7	53.03.0165	20-Pole	IC Socket	
XIC...	8	53.03.0165	20-Pole	IC Socket	
XIC...	9	53.03.0173	28-Pole	IC Socket	
XIC...	10	53.03.0168	16-Pole	IC Socket	
XIC...	11	53.03.0167	14-Pole	IC Socket	
XIC...	12	53.03.0165	16-Pole	IC Socket	
XIC...	13	53.03.0167	14-Pole	IC Socket	
XIC...	14	53.03.0167	14-Pole	IC Socket	
XIC...	15	53.03.0167	14-Pole	IC Socket	
XIC...	16	53.03.0167	14-Pole	IC Socket	
XIC...	17	53.03.0165	20-Pole	IC Socket	
XIC...	18	53.03.0168	16-Pole	IC Socket	
XIC...	19	53.03.0168	16-Pole	IC Socket	
XIC...	20	53.03.0168	16-Pole	IC Socket	
XIC...	21	53.03.0168	16-Pole	IC Socket	
XIC...	22	53.03.0165	20-Pole	IC Socket	
XIC...	23	53.03.0168	16-Pole	IC Socket	
XIC...	24	53.03.0168	16-Pole	IC Socket	
XIC...	25	53.03.0167	14-Pole	IC Socket	
XIC...	26	53.03.0165	20-Pole	IC Socket	
XIC...	27	53.03.0168	16-Pole	IC Socket	
XIC...	28	53.03.0168	16-Pole	IC Socket	
XIC...	29	53.03.0167	14-Pole	IC Socket	
XIC...	30	53.03.0168	16-Pole	IC Socket	
XIC...	31	53.03.0168	16-Pole	IC Socket	
XIC...	32	53.03.0165	20-Pole	IC Socket	
XIC...	33	53.03.0173	28-Pole	IC Socket	
XIC...	34	53.03.0168	16-Pole	IC Socket	
XIC...	35	53.03.0168	16-Pole	IC Socket	
XIC...	36	53.03.0167	14-Pole	IC Socket	
XIC...	37	53.03.0168	16-Pole	IC Socket	
XIC...	38	53.03.0168	16-Pole	IC Socket	
XIC...	39	53.03.0167	14-Pole	IC Socket	

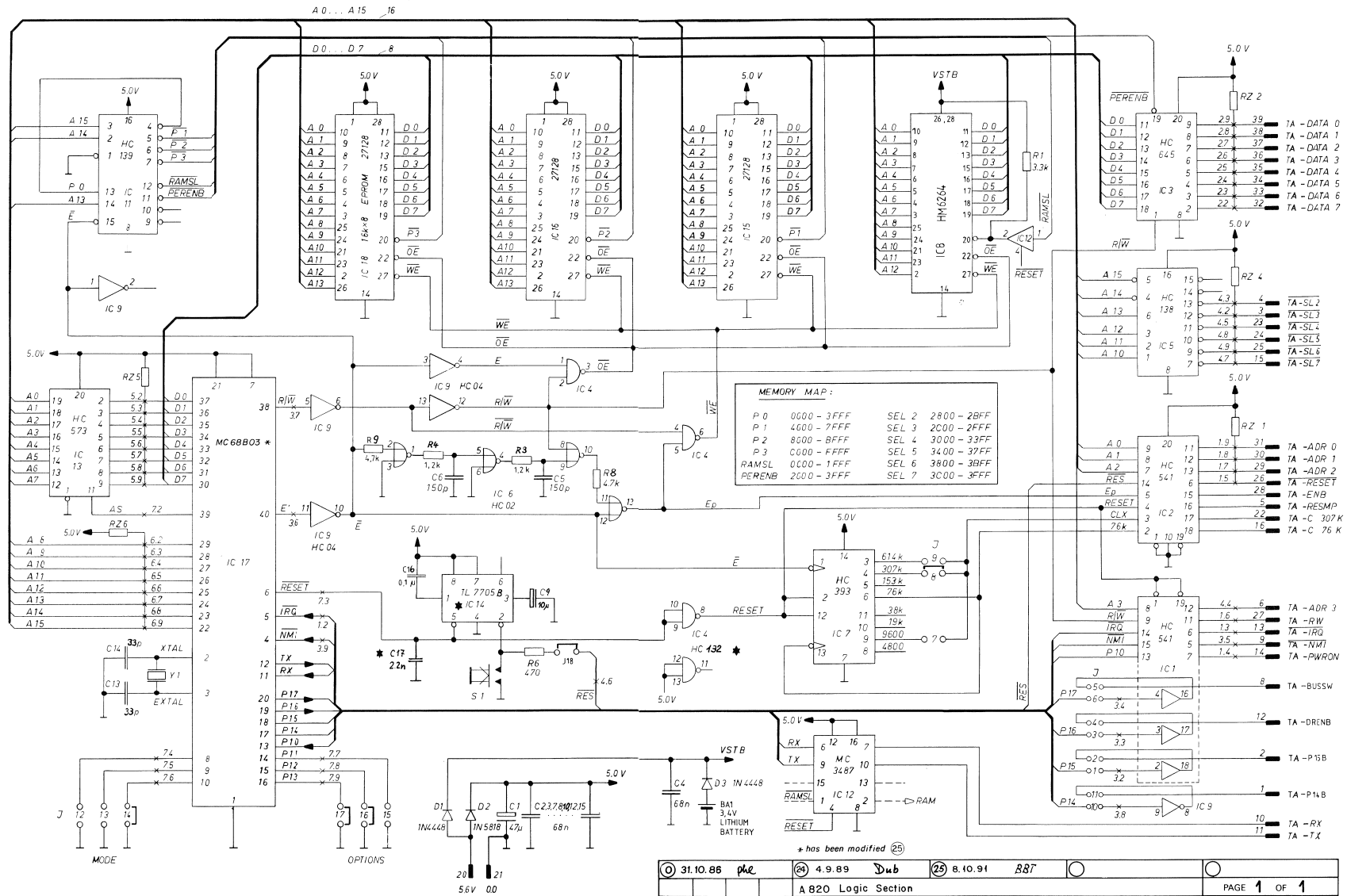
S T U D E R (01) 89/06/07 DS KEY BOARD DRIVER PL 1.328.530.20 PAGE 6

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
XIC...	40	53.03.0168	16-Pole	IC Socket	
XIC...	41	53.03.0167	14-Pole	IC Socket	
XIC...	42	53.03.0167	14-Pole	IC Socket	
XIC...	43	53.03.0168	16-Pole	IC Socket	
XIC...	44	53.03.0167	14-Pole	IC Socket	
XIC...	45	53.03.0166	8-Pole	IC Socket	
XIC...	46	53.03.0168	16-Pole	IC Socket	
XIC...	47	53.03.0168	16-Pole	IC Socket	
Y....	1	89.01.0376	HC 18 U	3.2768 Mhz Ceramic Resonator	

CER=Ceramic, EL=Electrolytic, PETP=Polyester, PP=Polypropylen
 MF=Metal Film, SAL=Solid Aluminium, SI=Silicon
 MANUFACTURER: Mot=Motorola, St=Studer, TI=Texas Instrument

ORIG 89/06/07 (01) 89/06/07
 S T U D E R (01) 89/06/07 DS KEY BOARD DRIVER PL 1.328.530.20 PAGE 7

AUDIO REMOTE CONTROL 8CH 1.328.521.81
 AUDIO REMOTE CONTROL 24CH 1.328.523.81
 -MP UNIT AUDIO CONTROL 1.827.783.22



MEMORY MAP:

P 0	0000 - 3FFF	SEL 2	2800 - 2BFF
P 1	4000 - 7FFF	SEL 3	2C00 - 2FFF
P 2	8000 - BFFF	SEL 4	3000 - 33FF
P 3	C000 - FFFF	SEL 5	3400 - 37FF
RAMSL	0000 - 1FFF	SEL 6	3800 - 3BFF
PERENB	2000 - 3FFF	SEL 7	3C00 - 3FFF

* has been modified 25

31.10.86	ph	4.9.89	Dub	8.10.91	B87		
A 820 Logic Section							PAGE 1 OF 1
STUDER			MP UNIT AUDIO CONTROL		ESE SC		1.827.783.22

LABELS REMOTE

LIFTER	1.011.210.07	LOC 1	1.011.210.17	ROLL BACK	1.011.210.29	SPOT ERASE	1.011.211.42
LOC START	1.011.210.08	LOC 2	1.011.210.18	RLB PLAY	1.011.210.30	FADER START	1.011.210.43
FADER	1.011.210.09	LOC 3	1.011.210.19	RLB REC	1.011.210.31	LAP	1.011.210.44
VARI SPEED	1.011.210.10	LOC 4	1.011.210.20	SFT ADDR	1.011.210.32	BACK SPACE	1.011.210.45
REM CONTR	1.011.210.11	LOC 5	1.011.210.23	SET VARI	1.011.210.33	SPEED SELECT	1.011.210.48
TAPE DUMP	1.011.210.13	WATCH	1.011.210.24	SET TIMER	1.011.210.34	SPEED SELECT	1.011.210.48
RESET TIMER	1.011.210.14	TRANS	1.011.210.25	REHEA	1.011.210.35	HOLD	1.011.210.54
ZERO LOC	1.011.210.15			LIBR WIND	1.011.210.42		

	1.011.210.02
	1.011.210.02
PLAY	1.011.210.03
STOP	1.011.210.04
REC	1.011.210.05

Transparent labels for:
Tape deck remote control modul 1.328.255.00

BACK SPACE			LIFTER	1.328.256.02
PLAY	STOP	REC		1.328.255.03
	1.010.023.43			

<input type="radio"/> 15 IPS	<input type="radio"/> 30 IPS	<input type="radio"/> SAFE	<input type="radio"/> STEREO	<input type="radio"/> CCIR	<input type="radio"/> TAPE A	<input type="radio"/> REMOTE
<input type="radio"/> 7.5 IPS	<input type="radio"/> 3.75 IPS	<input type="radio"/> VARISPEED	<input type="radio"/> MONO	<input type="radio"/> NAB	<input type="radio"/> TAPE B	<input type="radio"/> FADER
MODE	HOURS	MINUTES	SECONDS	110	FRAMES	

1.328.210.13

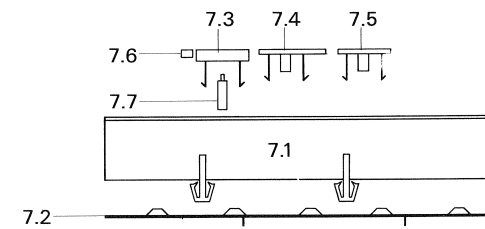
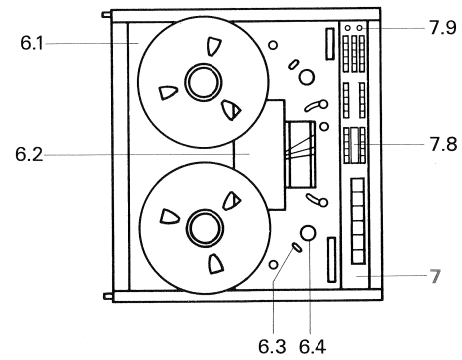
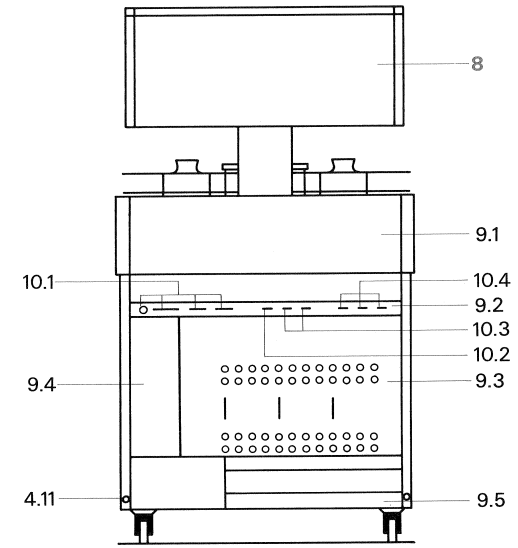
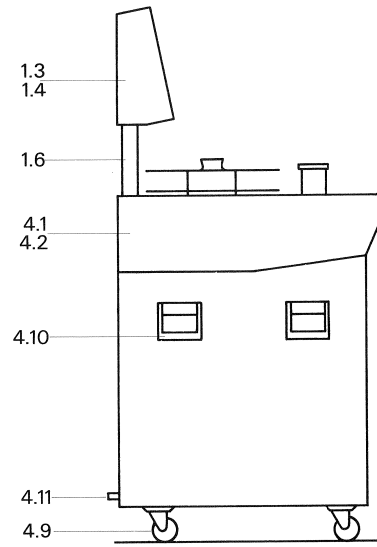
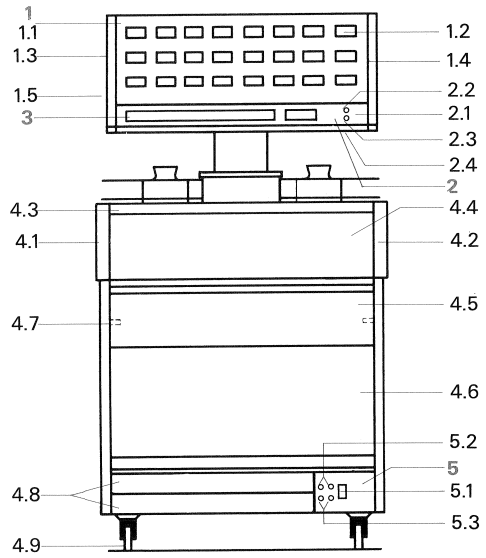
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1.328.358.04

6 Spare Parts

1	Covers and Console.....	2
2	Push Button Assembly.....	4
3	Adapter 1 1/2".....	6
4	Pinch Roller 1 1/2".....	8
5	Lifter Assembly Right.....	10
6	Lifter Assembly Left.....	12
7	Tacho Roller Assembly.....	14
8	Prestabilizer Assembly.....	16
9	Capstan Motor.....	18
10	Tape Lifter Bolt.....	19
11	Tape Tension Assembly.....	20
12	Pinch Roller Assembly.....	22
13	Brake Assembly.....	24
14	Spooling Motor Assembly.....	26
15	Head Block.....	28
16	Labels.....	30
17	Flat Cables, Wire Harness.....	31

1 Covers and Console

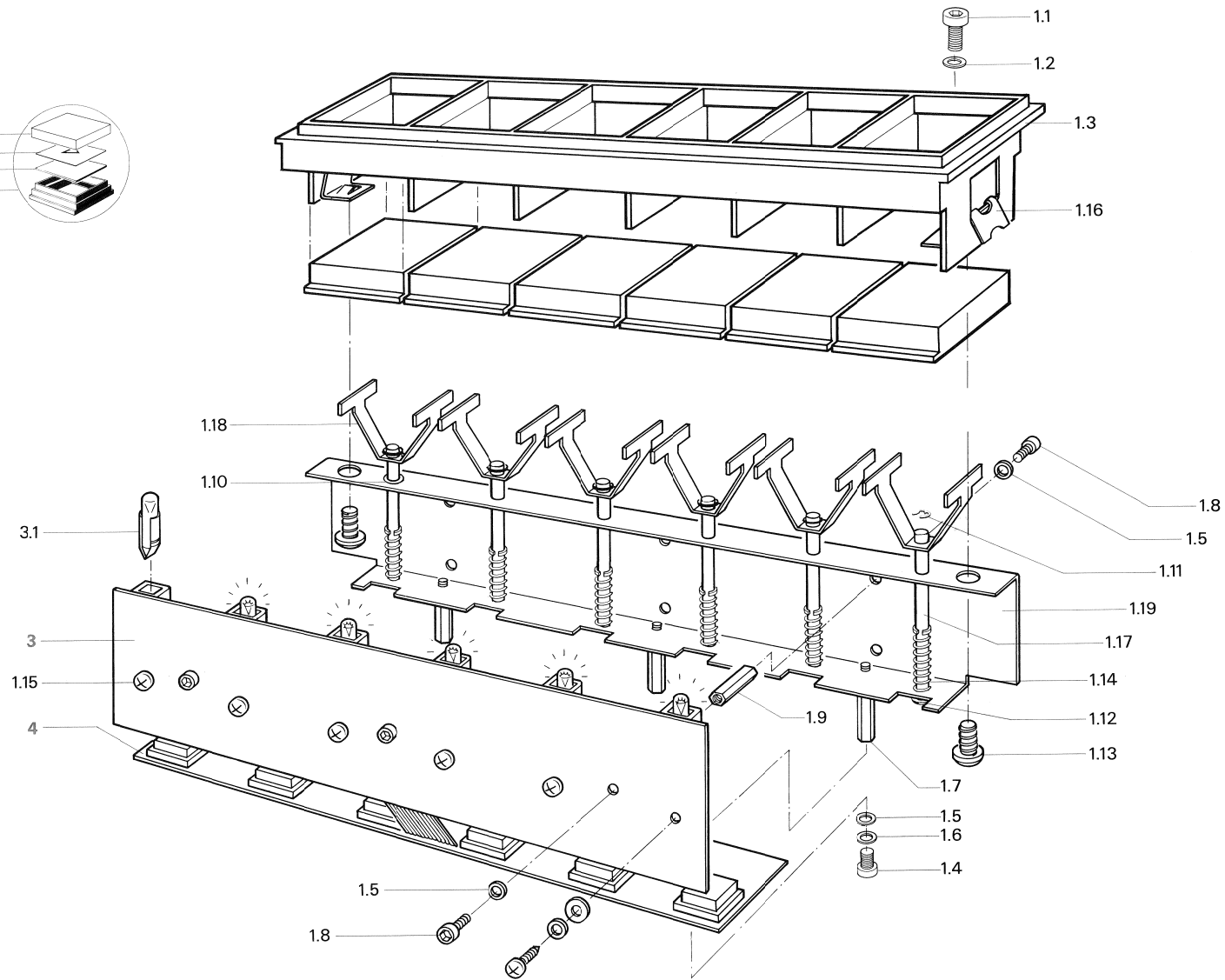
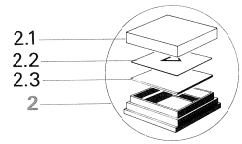


Covers and Console

Index	Qty.	Order No.	Part Name	Specification
1	1	1.827.620.00	VU meter panel compl.	24CH (16CH)
	1	1.827.622.00	VU meter panel compl.	8CH
1.1	1	1.827.623.03	Front cover, VU-panel	24CH
	1	1.827.625.03	Front cover, VU-panel	8CH
1.2		1.727.360.01	VU-Meter	
		51.02.0144	Bulb	6V, 0,03A
		1.827.623.05	VU-Meter pattern	
1.3	1	1.827.623.02	Wooden side panel, left	24CH
	1	1.827.625.02	Wooden side panel, left	8CH
1.4	1	1.827.623.01	Wooden side panel, right	24CH
	1	1.827.625.02	Wooden side panel, right	8CH
1.5	2	1.827.623.08	Hinge washer	
	2	1.010.019.21	Special screw for hinge	M3x9
1.6	1	1.820.622.00	Panel support	
2	1	1.827.460.00	LCU-Panel with monitor compl.	
2.1	1	1.827.460.01	Front cover-Monitor LCU-Panel	
2.2	1	42.01.0203	Knob grey	
		42.01.0251	Cap to knob	
2.3	1	54.24.0103	Head phone jack	
2.4	1	71.01.0178	Loudspeaker	15Ω / 2,5W
3	1	1.820.643.00	LCU cover plate	
	1	1.827.620.03	Mounting braket left	
	1	1.827.620.04	Mounting braket right	
4.1	1	1.820.346.00	Wooden side panel (Console) left	
4.2	1	1.820.947.00	Wooden side panel (Console) right	
4.3	1	1.827.220.04	Hand rest rail	
4.4	1	1.820.310.07	Front cover	
4.5	1	1.827.311.00	Flip-cover for tape transport section compl.	
4.6	1	1.827.313.00	Flip-cover for audio section compl.	
4.7	4	1.820.300.13	Stopper bolt for flip-cover	
4.8	2	1.918.001.09	19" rack mount cover (1unit)	
4.9	4	33.04.0250	Castors	
4.10	4	1.038.169.81	Handle compl.	
4.11	3	1.820.300.21	Bumper	
5	1	1.820.353.83	Power supply	7,5A
5.1	1	55.17.5003	Power switch	
5.2	2	53.03.0121	Fuseholder for 6,3x32 Fuse (16A) compl.	
	2	51.01.0229	Fuse 250V/16A slow blow 6,3x32	
5.3	2	53.03.0110	Fuseholder for 5x20 Fuse (16A) compl.	
	2	51.01.0125	Fuse 250V/6,3A slow blow 5x20	

Index	Qty.	Order No.	Part Name	Specification
6.1	1	1.820.118.00	Tape transport cover compl.	2"
	1	1.820.117.00	Tape transport cover compl.	1"
6.2	1	1.820.114.10	Cover for reproduce preamplifier	
6.3	2	1.820.114.03	Cover for tape tension sensor	2"
	2	1.820.116.01	Cover for tape tension sensor	1"
6.4	2	1.128.010.09	Rubber Bumper	
	2	1.820.110.05	Cover for Prestabilizer- and Moveroller	
	4	1.010.036.21	Counter sunk screw (special)	M4x14
7	1	1.827.220.00	Push button rail	
7.1	7	1.011.235.05	Push button housing for	5 buttons
7.2	7	1.011.235.25	Switching rubber activator mat for 5 push buttons	
7.3	33	1.011.235.30	Push button grey	
	2	1.011.235.40	Push button red	
7.4		1.011.235.35	Push button and LED Dummy cover cap	
7.5		1.011.235.36	Push button, Dummy cover cap short	
7.6	12	1.011.235.31	LED Dummy Cover	
	1	1.011.235.32	LED Cover, red	
	20	1.011.235.33	LED Cover, yellow	
	2	1.011.235.34	LED Cover, green	
7.7	35	1.011.235.29	bolt	
7.8	1	1.827.220.02	Counter window red	
7.9	2	55.15.0130	Menu-Enable switch	
	2	1.010.158.27	Extension for menu enable switch	
8	1	1.827.623.00	Panel housing with wooden side panels	24CH compl.
	1	1.827.625.00	Panel housing with wooden side panels	8CH compl.
9.1	1	1.820.310.38	Rear cover	
9.2	1	1.827.320.01	Connector panel	
9.3	1	1.827.310.03	Rear cover (Audio)	24CH
	1	1.827.310.07	Rear cover (Audio)	8CH
9.4	1	1.827.310.04	Rear cover (Audio) additional	
		1.827.321.00	Synchronizer panel for TLS4000 MKI	
9.5	1	1.827.300.20	Angular cover	
10.1	1	1.827.850.00	Remote control connector board	
10.2	1	1.023.190.16	Connector cable autolocator	
10.3	1	1.023.150.20	Connector cable serial remote control	
10.4	1	1.023.151.16	Connector cable NRS control	

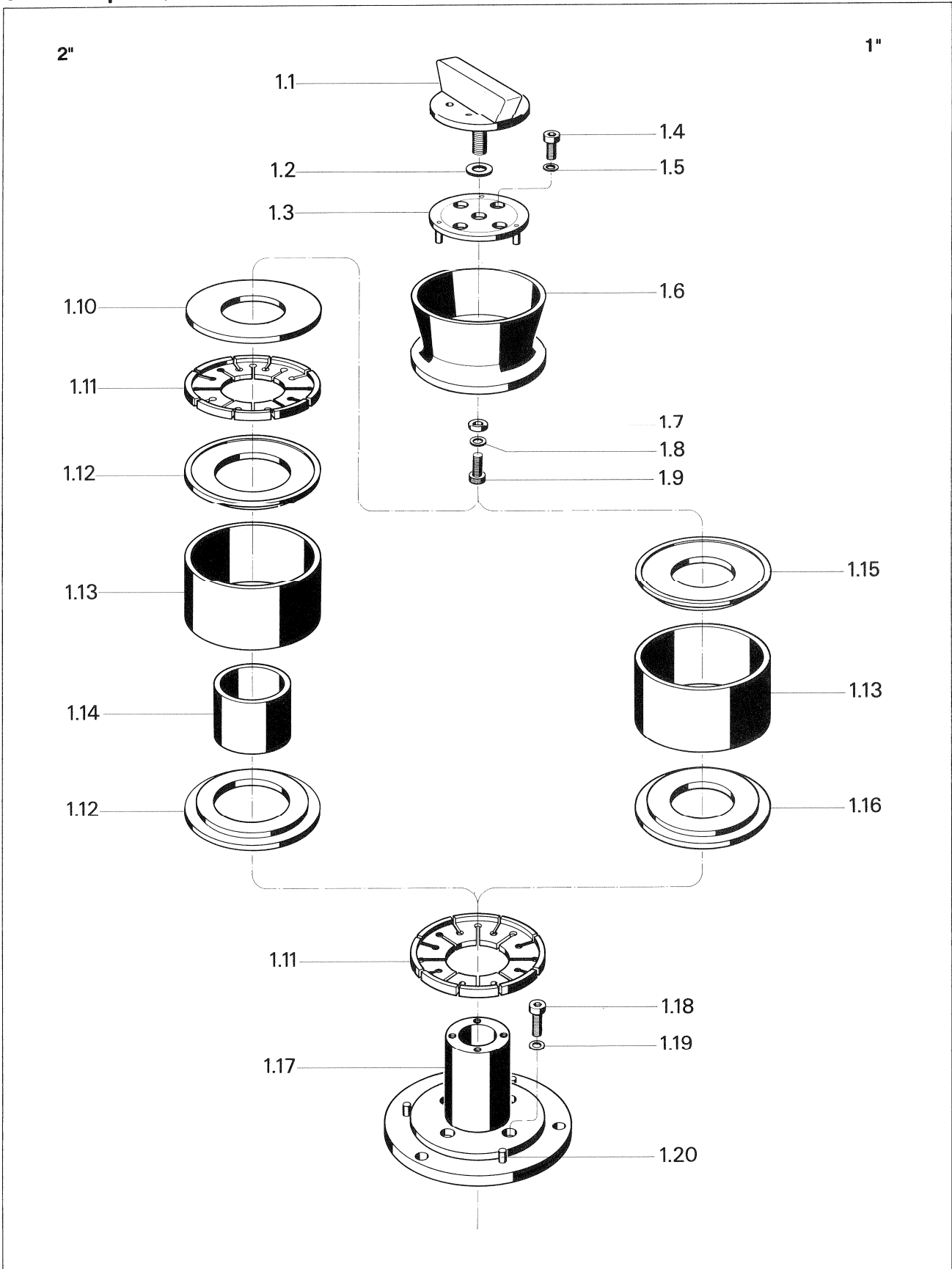
2 Push Button Assembly



Push Button Assembly

Index	Qty.	Order No.	Part Name	Specification
		1.827.240.00	Push button assembly	(* =not included)
* 1.1	2	21.53.0456	Allen screw	M4x10
* 1.2	2	24.16.1040	Fin washer	
1.3	1	1.827.240.03	Push button support	
1.4	3	21.53.0354	Allen screw	M3x6
1.5	8	24.16.1030	Fin washer	D3,2/5,5
1.6	5	23.01.1032	Spacer	D3,2/6x0,5
1.7	3	1.010.131.27	Bolt	M3/M3x19.5
1.8	6	21.53.0355	Allen screw	M3x8
1.9	3	1.010.034.27	Bolt	M3x19
1.10	6	1.010.032.23	PTFE-shim	D4,1/7x0,25
1.11	6	24.16.3019	Circlip	D1,9
1.12	12	24.16.3032	Circlip	D3,2
1.13	2	20.21.7355	Self tapping screw	D4,8x9,5
1.14	6	1.080.260.12	Spring	
1.15	6	20.22.7156	Self tapping screw	D2,9x13
1.16	2	22.16.2501	Fixing nut	
1.17	6	1.820.240.02	Push button shaft	
1.18	6	1.080.260.09	Push button support	
1.19	1	1.820.240.01	Push button rail	
2	6	1.080.260.02	Push button	
2.1	6	1.080.260.03	Push button cover	
2.2	2	1.080.260.14	Label:	◀▶
	1	1.080.260.15	Label:	PLAY
	1	1.080.260.16	Label:	REC
	1	1.080.260.17	Label:	STOP
	1	1.080.260.18	Label:	EDIT
2.3	6	1.080.260.19	Diffuser	
3	1	1.820.766.00	Tape deck indicator board	
3.1	6	51.02.0145	Bulb 24V, 40mA	
4	1	1.820.769.00	Tape deck push button board	

3 Adapter 1 1/2"



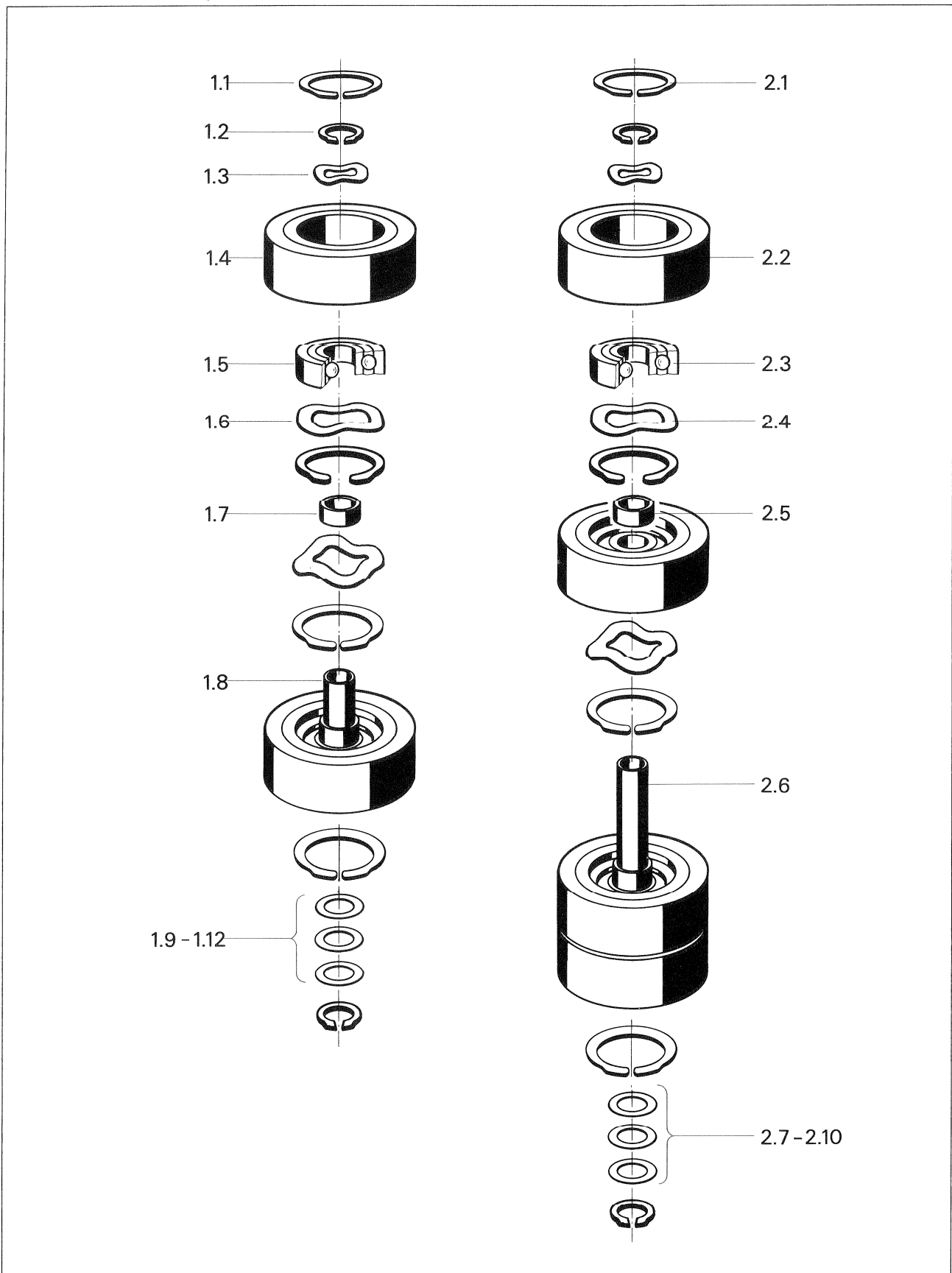
Adapter 1"

Index	Qty.	Order No.	Part Name	Specification
		1 013 402 81	Adapter	1"
1.1	1	1.013.405.00	Screw grip compl.	
1.2	1	1.013.400.16	POM-washer	
1.3	1	1.013.400.12	Upper thrust plate	
1.4	4	21.53.0457	Allen screw	ZN,M4x12
1.5	4	24.16.1040	Fin washer	D4,3/7
1.6	1	1.013.400.18	Grip	
1.7	1	1.010.018.23	Disk	MS,D4,2/9x2,5
1.8	1	24.16.1040	Fin washer	D4,3/7
1.9	1	21.53.0456	Allen screw	ZN,M4x10
1.11	1	1.013.400.05	Expanding ring	
1.13	1	1.013.402.02	Guiding tube	
1.15	1	1.013.402.01	Thrust washer	
1.16	1	1.013.402.03	Thrust washer	
1.17	1	1.013.400.01	Adapter support	
1.18	4	21.53.0460	Allen screw	ZN,M4x20
1.19	4	24.16.1040	Fin washer	D4,3/7
1.20	3	1.013.400.17	Adapter pin	

Adapter 2"

Index	Qty.	Order No.	Part Name	Specification
		1.013.400.81	Adapter	2"
1.1	1	1.013.405.00	Screw grip compl.	
1.2	1	1.013.400.16	POM-washer	
1.3	1	1.013.400.12	Upper thrust plate	
1.4	4	21.53.0457	Allen screw	M4x12
1.5	4	24.16.1040	Fin washer	D4,3/7
1.6	1	1.013.400.18	Grip	
1.7	1	1.010.018.23	Disk	MS D4,2/9x2,5
1.8	1	24.16.1040	Fin washer	D4,3/7
1.9	1	21.53.0456	Allen screw	M4x10
1.10	1	1.013.400.09	Lower thrust plate	
1.11	2	1.013.400.05	Expanding ring	
1.12	2	1.013.400.06	Thrust washer	
1.13	1	1.013.400.08	Guiding tube	
1.14	1	1.013.400.07	Distance tube	
1.17	1	1.013.400.01	Adapter support	
1.18	4	21.53.0460	Allen screw	ZN,M4x20
1.19	4	24.16.1040	Fin washer	D4,3/7
1.20	3	1.013.400.17	Adapter pin	

4. Pinch Roller 1 1/2"



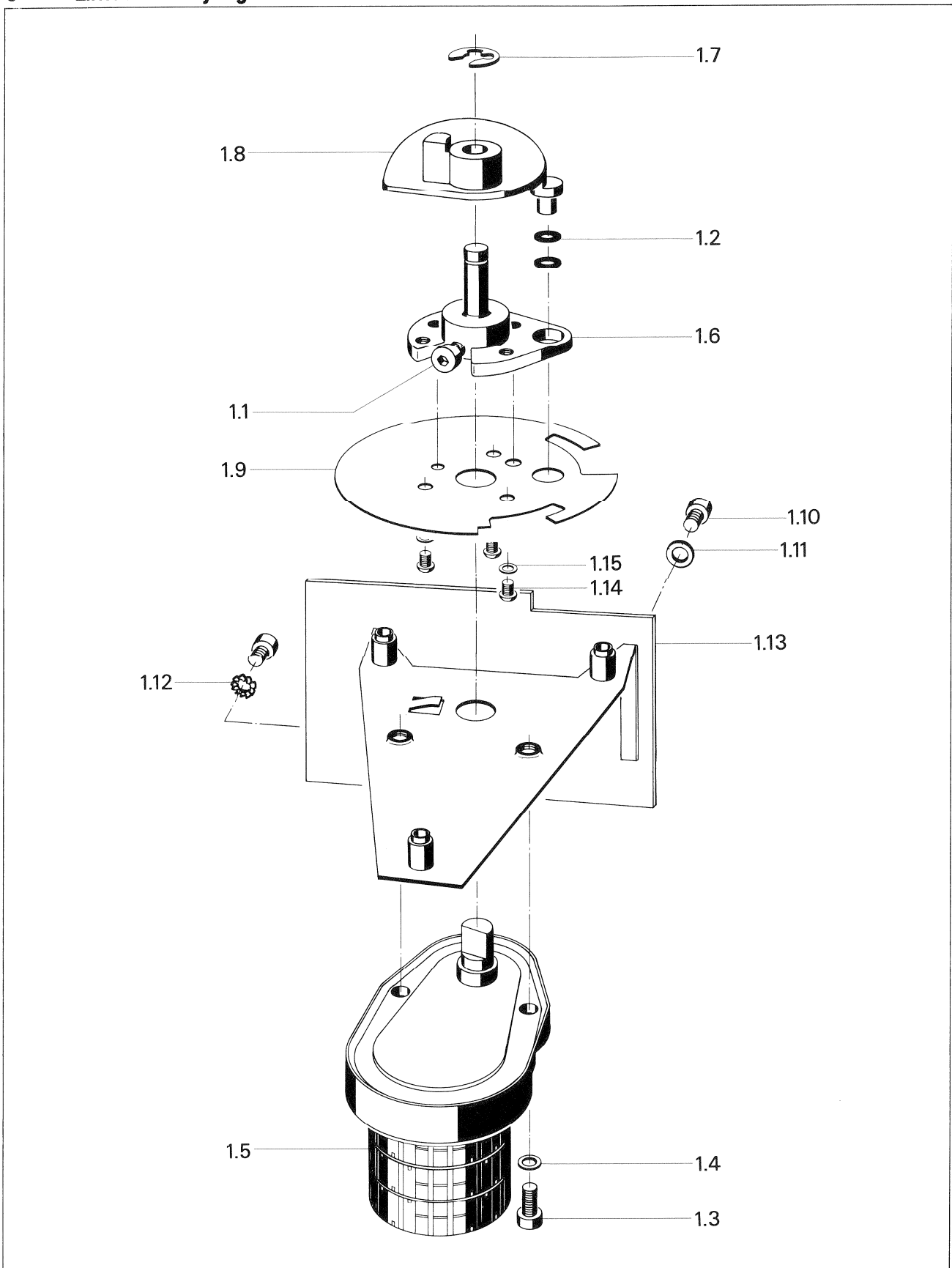
Pinch Roller 1"

Index	Qty.	Order No.	Part Name	Specification
		1.820.462.00	Pinch roller (2 parts)	1"
1.1	4	24.99.0136	Circlip	D22
1.2	2	24.16.5100	Circlip	D10
1.3	1	37.99.0102	Compensating shim	D10,5/15,8x0,3
1.4	2	1.820.462.01	Pinch roller	2 pieces = 1"
1.5	2	41.99.0103	Ball bearing	D10/22x6
1.6	2	37.99.0103	Compensating shim	D15,8/21.8x0,2
1.7	1	1.820.471.04	Spacer tube	
1.8	1	1.820.462.05	Bearing case	1"
1.9	1	1.080.530.06	Spacer	D10,1/14x0,2
1.10	2	1.080.530.08	Spacer	D10,1/14x0,1
1.11	1	1.080.530.09	Spacer	D10,1/14x0,15
1.12	1	1.080.530.10	Spacer	D10,1/14x0,12

Pinch Roller 2"

Index	Qty.	Order No.	Part Name	Specification
		1.820.472.00	Pinch roller (4 parts)	2"
2.1	8	24.99.0136	Circlip	D22
2.2	4	1.820.472.01	Pinch roller	4 pieces. = 2"
2.3	4	41.99.0103	Ball bearing	D10/22x6
2.4	4	37.99.0103	Compensating shim	D15,8/21,8x0,2
2.5	3	1.820.471.04	Spacer tube	
2.6	1	1.820.471.05	Bearing case	2"
2.7	1	1.080.530.06	Spacer	D10,1/14x0,2
2.8	4	1.080.530.08	Spacer	D10,1/14x0,1
2.9	1	1.080.530.09	Spacer	D10,1/14x0,15
2.10	1	1.080.530.10	Spacer	D10,1/14x0,12

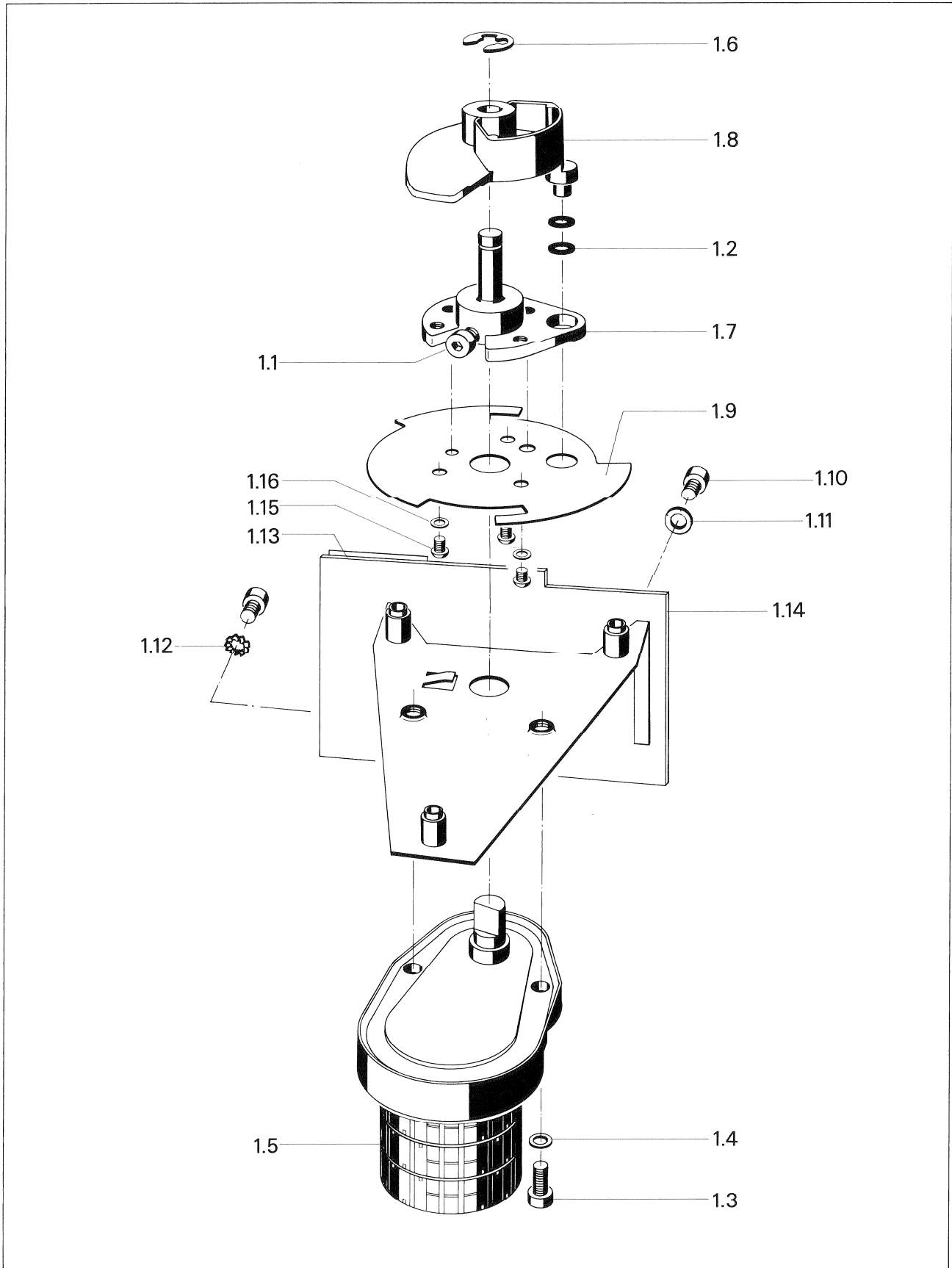
5 Lifter Assembly Right



Lifter Assembly Right

Index	Qty.	Order No.	Part Name	Specification
		1.820.144.00	Tape guide assembly right	
1.1	1	21.53.0456	Allen screw	M4x10
1.2	2	1.710.165.07	Ring	
1.3	2	21.53.0472	Allen screw	M4x16
1.4	2	24.16.1040	Fin washer	D4,3/7
1.5	1	1.820.142.00	Synchronous motor, complete	
1.6	1	1.820.915.00	Brass flange	
1.7	1	24.16.3060	Circlip	D6,0
1.8	1	1.820.144.01	Driving cam right	
1.9	1	1.820.141.06	Control cam right	
1.10	4	21.53.0354	Allen screw	M3x6
1.11	3	23.01.1032	Washer	D3,2/6x0,5
1.12	1	24.16.2030	Serrated washer	D3,2
1.13	1	1.820.773.83	Tape lifter control board	
1.14	3	21.51.8354	Oval head allen screw	M3x6
1.15	3	24.16.1030	Fin washer	D3,2/5,5

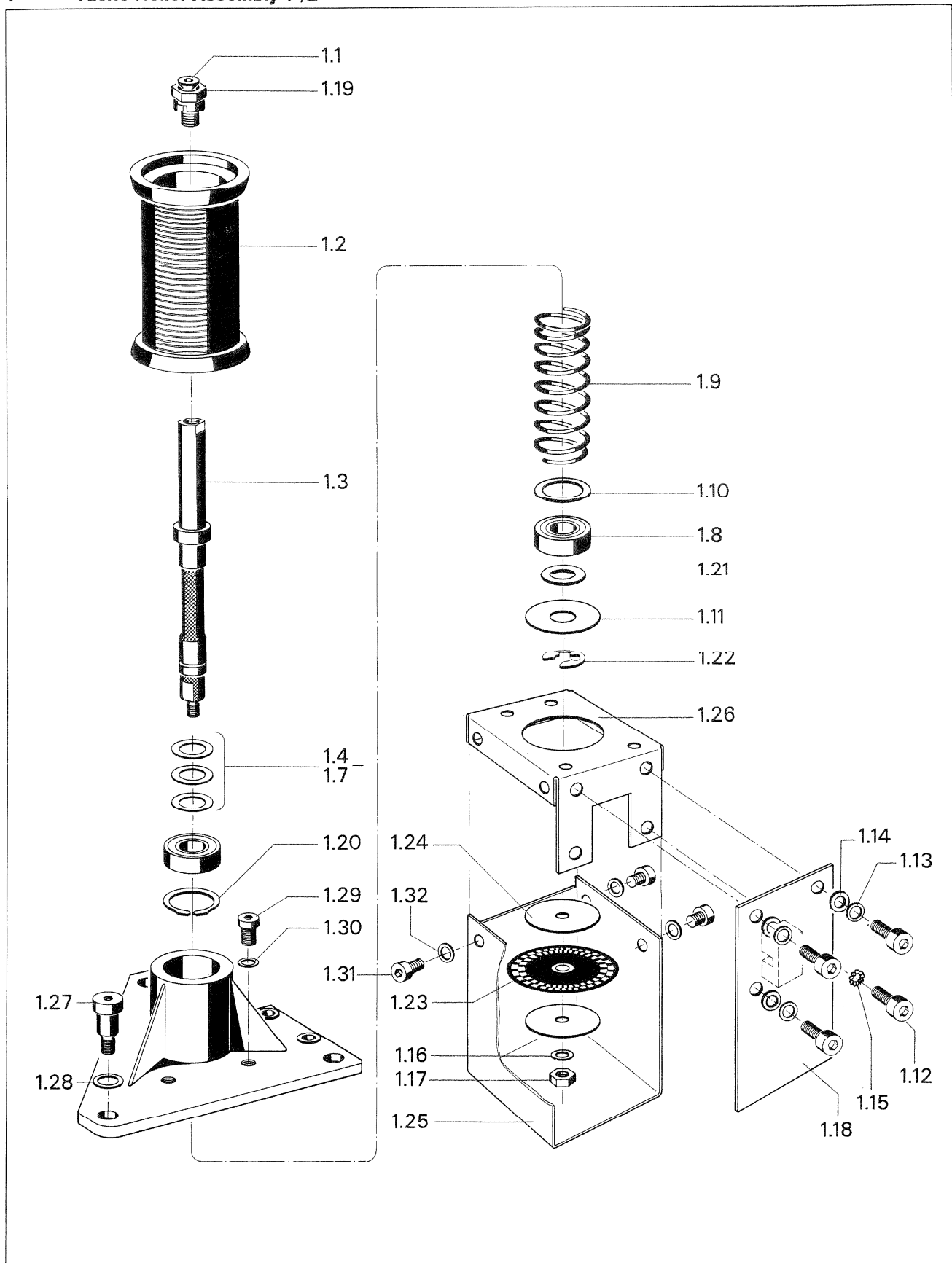
6 Lifter Assembly Left



Lifter Assembly Left

Index	Qty.	Order No.	Part Name	Specification
		1.820.143.00	Tape guide assembly left	
1.1	1	21.53.0456	Allen screw	M4x10
1.2	2	1.710.165.07	Ring	
1.3	2	21.53.0472	Allen screw	M4x16
1.4	2	24.16.1040	Fin washer	D4,3/7
1.5	1	1.820.142.00	Synchronous motor, complete	
1.6	1	24.16.3060	Circlip	D6,0
1.7	1	1.820.914.00	Brass flange	
1.8	1	1.820.143.01	Actuator cam left	
1.9	1	1.820.140.06	Control cam left	
1.10	4	21.53.0354	Allen screw	M3x6
1.11	3	23.01.1032	Washer	D3,2/6x0,5
1.12	1	24.16.2030	Serrated washer	D3,2
1.13	1	1.820.140.08	Insulation	
1.14	1	1.820.773.83	Tape lifter control board	
1.15	3	21.51.8354	Oval head allen screw	M3x6
1.16	3	24.16.1030	Fin washer	D3,2/5,5

7 Tacho Roller Assembly 1 1/2"



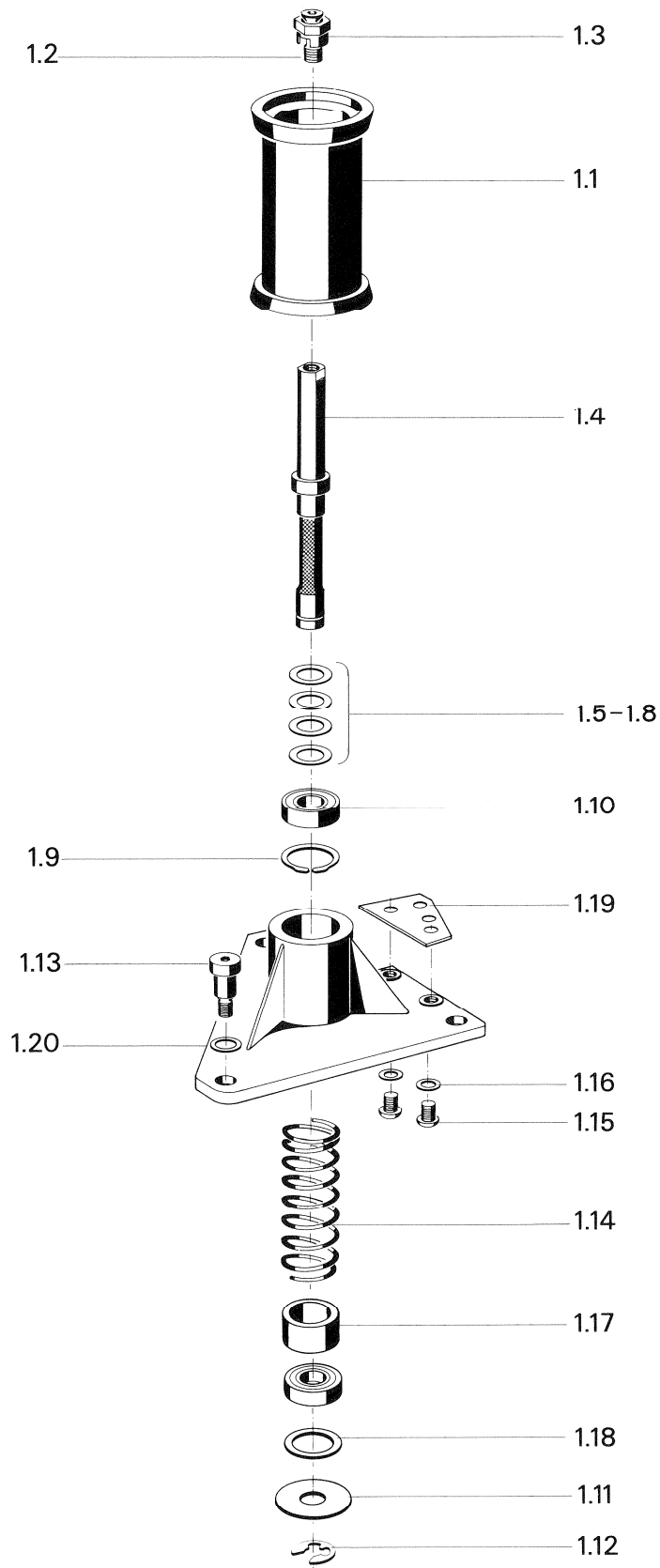
Tacho Roller Assembly 2"

Index	Qty.	Order No.	Part Name	Specification
		1.820.183.00	Tacho roller assembly	2"
1.1	1	1.010.036.21	Countersunk screw special	M4x14
1.2	1	1.820.450.08	Tacho roller	2"
1.3	1	1.820.181.01	Tacho roller shaft	1 1/2"
1.4	1	1.010.058.23	Spacer	D8,1/12x0,1
1.5	1	1.010.059.23	Spacer	D8,1/12x0,12
1.6	1	1.010.060.23	Spacer	D8,1/12x0,15
1.7	1	1.010.061.23	Spacer	D8,1/12x0,18
1.8	2	41.04.0110	Ball bearing	D8/16x6
1.9	1	1.010.201.37	Spring form D	D15,5x49
1.10	1	1.010.066.23	Spacer	D12,1/15,8x0,5
1.11	1	1.010.085.23	Washer	D8,1/19,0x0,5MS
1.12	4	21.53.0353	Allen screw	M3x5
1.13	3	24.16.1030	Fin washer	D3,2/5,5
1.14	3	23.01.1032	Washer	D3,2/6x0,5
1.15	1	24.16.2030	Serrated washer	D3,2
1.16	1	24.16.1040	Fin washer	D4,3/7
1.17	1	22.01.8040	Nut	D0,8/M4
1.18	1	1.820.770.82	Move sensor board	
1.19	1	1.820.400.06	Coupler	
1.20	1	24.99.0131	Circlip	D16
1.21	1	1.062.210.11	Spacer	D8,2/12x0,5
1.22	1	24.16.3060	Circlip	D6,0
1.23	1	1.820.180.04	Tacho disk	
1.24	2	1.010.084.23	Washer	D4,1/20,0x1,5AL
1.25	1	1.820.180.05	Cover tacho roller	
1.26	1	1.820.180.03	Sensor board holder	
1.27	3	1.010.035.21	Precision screw	M4x16
1.28	3	24.16.1050	Fin washer	D5,3/9
1.29	4	21.53.0356	Allen screw	M3x10
1.30	4	24.16.1030	Fin washer	D3,2/5,5
1.31	4	21.53.0353	Allen screw	M3x5
1.32	4	24.16.1030	Fin washer	D3,2/5,5

Tacho Roller Assembly 1"

Index	Qty.	Order No.	Part Name	Specification
		1.820.182.00	Tacho roller assembly	1"
1.2		1.820.440.08	Tacho roller	1"
1.2		1.820.441.08	Tacho roller (2"-Tape deck)	1" (2")

8 Prestabilizer Assembly



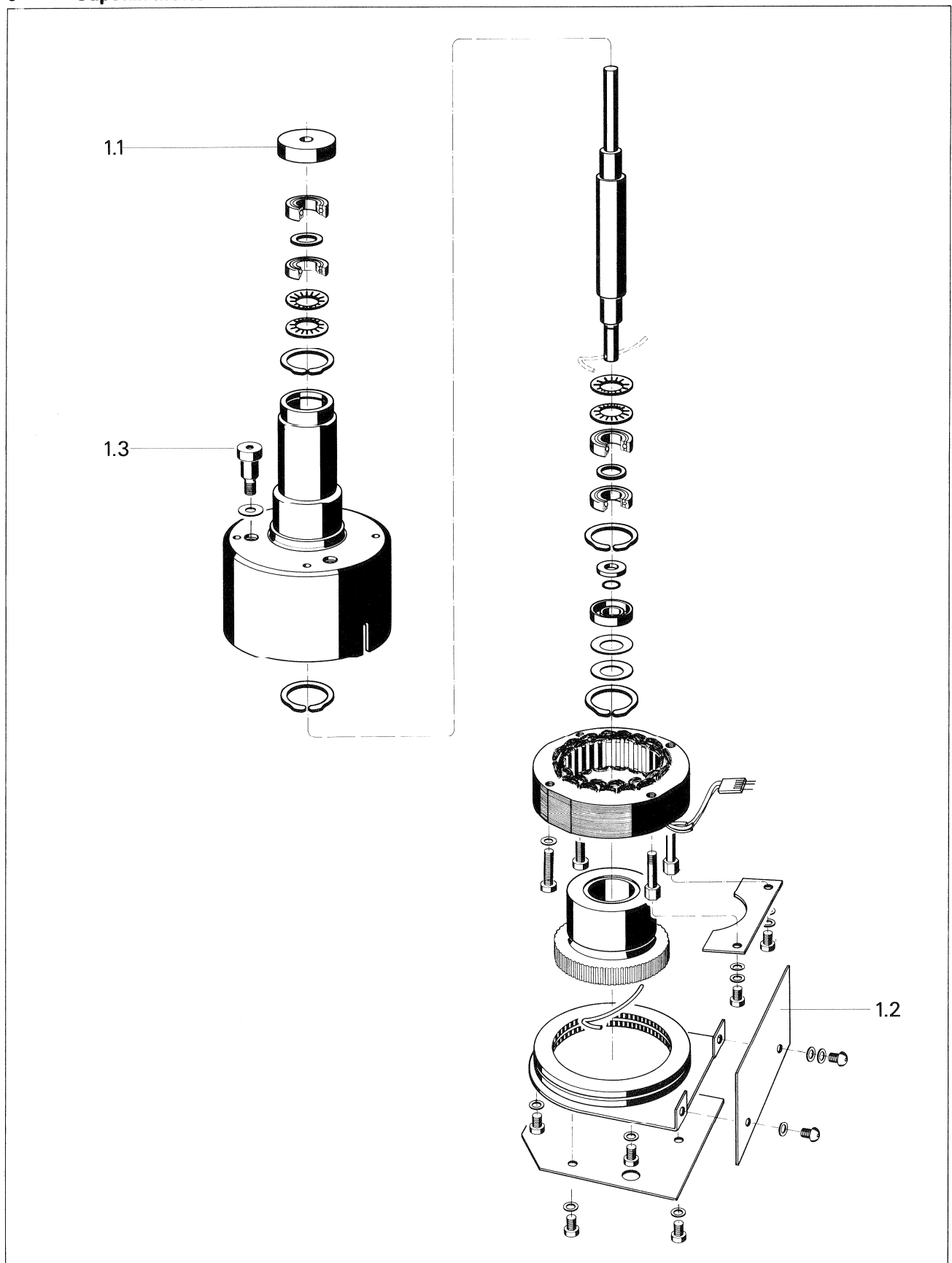
Prestabilizer Assembly 2"

Index	Qty.	Order No.	Part Name	Specification
		1 820 173 00	Prestabilizer assembly compl.	2"
1.1	1	1.820.450.03	Prestabilizer roller	2"
1.2	1	1.010.036.21	Countersunk screw special	M4x14
1.3	1	1.820.400.06	Coupler	
1.4	1	1.820.171.01	Prestabilizer roller shaft	1 1/2"
1.5	1	1.010.058.23	Spacer	D8,1/12x0,1
1.6	1	1.010.059.23	Spacer	D8,1/12x0,12
1.7	1	1.010.060.23	Spacer	D8,1/12x0,15
1.8	1	1.010.061.23	Spacer	D8,1/12x0,18
1.9	1	24.99.0131	Circlip	D16
1.10	2	41.04.0110	Ball bearing	D8/16x6
1.11	1	1.010.085.23	Washer	D8,1/19,0x0,5MS
1.12	1	24.16.3060	Circlip	6,0
1.13	3	1.010.035.21	Precision screw	M4x16
1.14	1	1.010.201.37	Spring form D	D15,5x49
1.15	2	21.51.8355	Oval head allen screw	M3x8
1.16	2	24.16.1030	Fin washer	D3,2/5,5
1.17	1	1.010.154.27	Spacer tube	D13,6/15,9x11
1.18	1	1.062.210.11	Spacer	D8,2/12x0,5
1.19	1	1.820.170.04	Support plate	
1.20	3	24.16.1050	Fin washer	D5,3x9

Prestabilizer Assembly 1"

Index	Qty.	Order No.	Part Name	Specification
		1.820.172.00	Prestabilizer assembly compl.	1"
1.1	1	1.820.441.03	Prestabilizer roller (2"-Tape deck)	1"
1.1	1	1.820.441.03	Prestabilizer roller (2"-Tape deck)	1" (2")

9 Capstan Motor



Capstan Motor 1st version:

Index	Qty.	Order No.	Part Name	Specification
	1	1.021.602.81	Capstan motor complete, equipped with sinter bearings, lubricated with grease "Constant GLY"	1"
	1	1.021.603.81	Capstan motor complete, equipped with sinter bearings, lubricated with grease "Constant GLY"	2"
1.1	1	1.021.601.07	Bearing cover	
1.2	1	1.021.695.83	Tacho sensor board	
1.3	3	1.010.035.21	Spec.cyl.screw to mount motor to chassis	M4x16

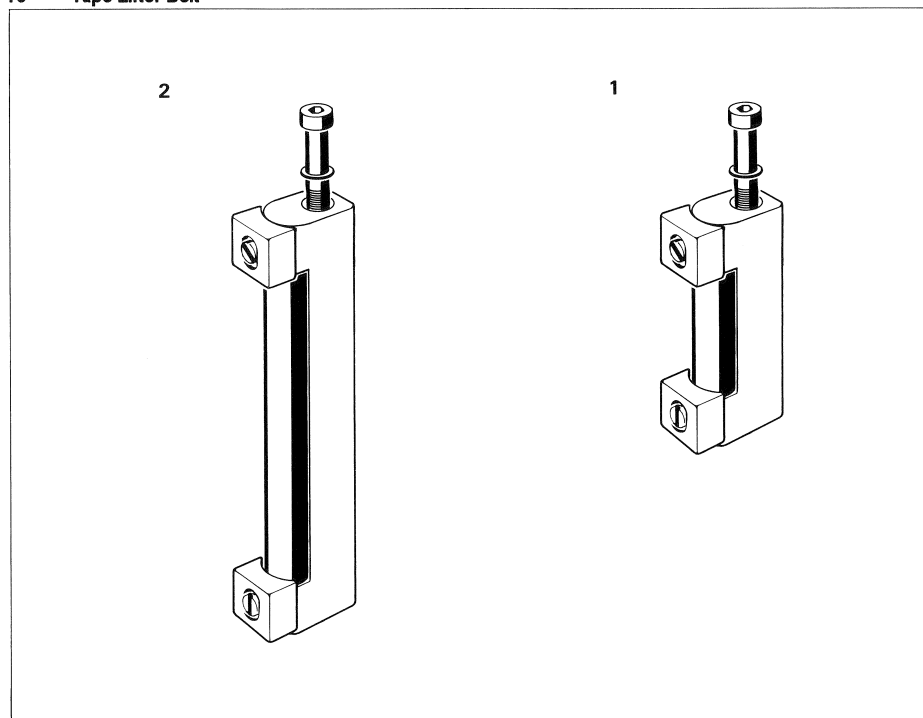
Attention: Use grease "Klüber Constant GLY2100" for lubrication only!
Order Nr. 20.020.401.10
This version of motor is marked with a red sticker-label.

Capstan Motor 2nd version:

Index	Qty.	Order No.	Part Name	Specification
	1	1.021.622.00	Capstan motor complete, equipped with ball bearings.	1"
	1	1.021.623.00	Capstan motor complete, equipped with ball bearings.	2"
1.1	1	1.021.621.09	Bearing cover	
1.2	1	1.021.695.85	Tacho sensor board	
1.3	3	1.010.035.21	Spec.cyl.screw. to mount motor to chassis	M4x16

Attention: This motor contains permanently lubrication ball bearings.
DO NOT APPLY OIL! Damage to the ball bearings may occur!
This version of motor is marked with a white sticker label.

10 Tape Lifter Bolt



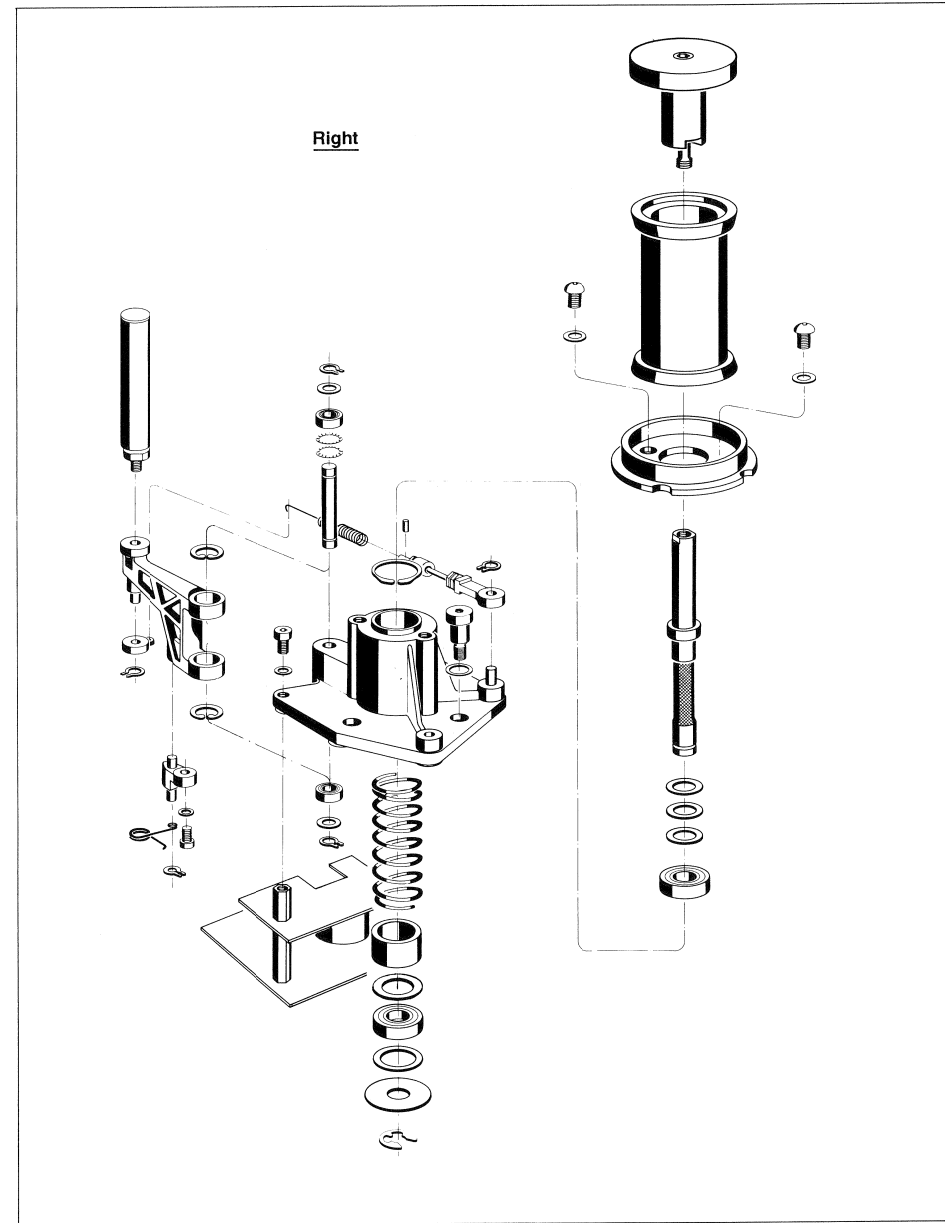
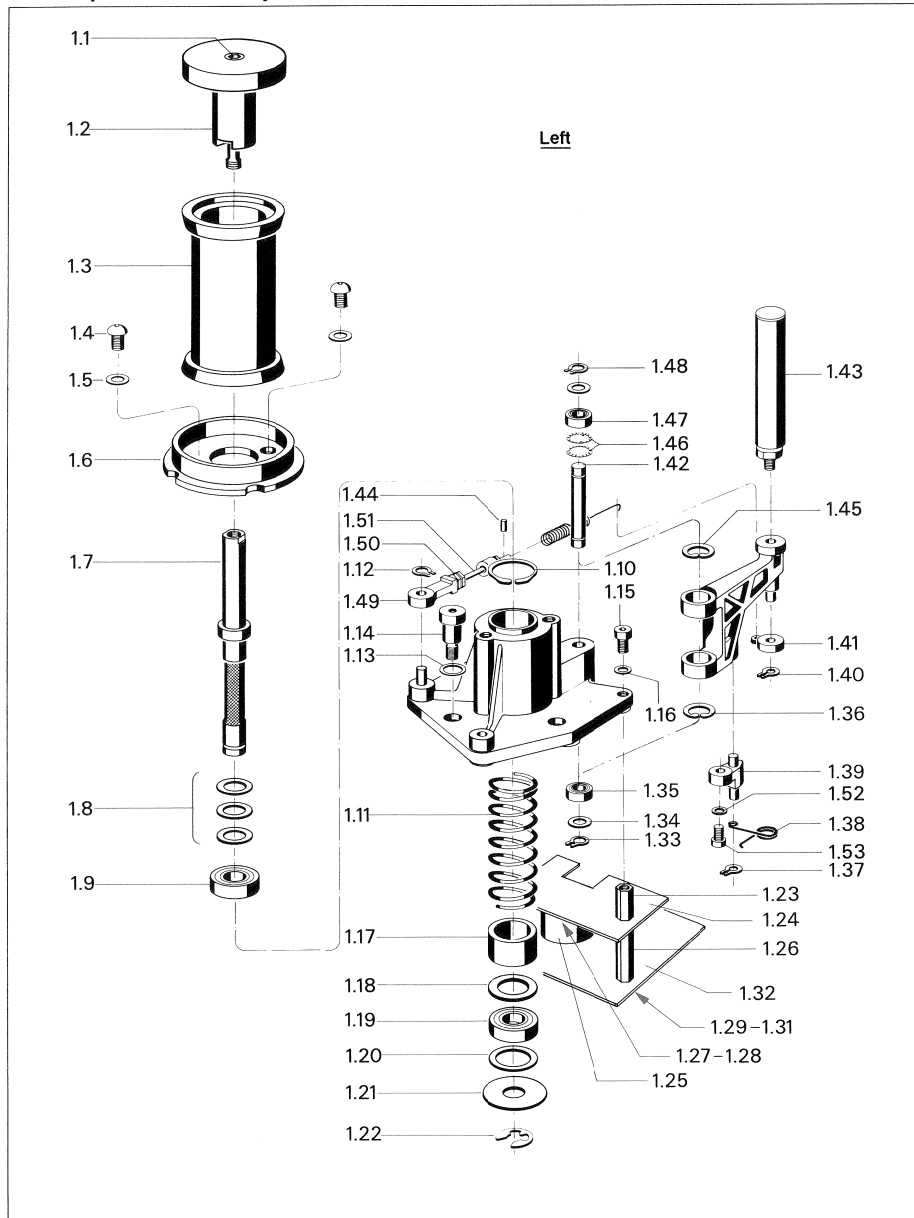
Tape Lifter Bolt 1"

Index	Qty.	Order No.	Part Name	Specification
1	1	1.820.128.00	Tape lifter compl.	1"
	1	21.53.0467	Allen screw	M4x45
	1	24.16.1040	Fin washer	D4,3/7,0

Tape Lifter Bolt 2"

Index	Qty.	Order No.	Part Name	Specification
2	1	1.820.129.00	Tape lifter compl.	2"
	1	21.53.0467	Allen screw	M4x45
	1	24.16.1040	Fin washer	D4,3/7,0

11 Tape Tension Assembly



Tape Tension Assembly 2' Left/Right

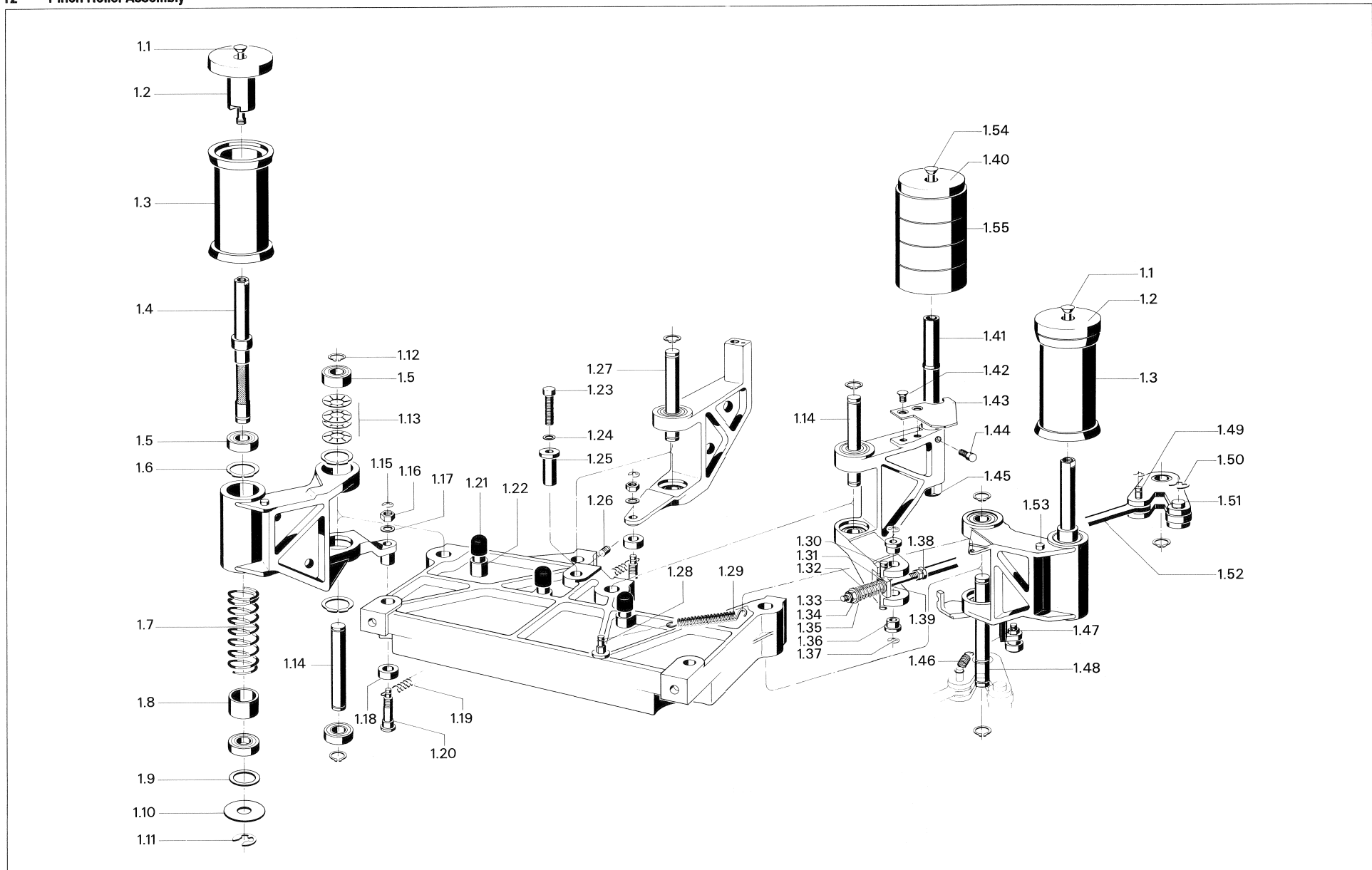
Index	Qty.	Order No.	Part Name	Specification
		1.820.388.81	Tape tension assembly right	2"
		1.820.387.81	Tape tension assembly left	2"
1.1	1	1.010.049.21	Counter sunk allen screw special	M4x40
1.2	1	1.820.450.05	Guide roller cover	
1.3	1	1.820.450.02	Guide roller steel	
1.4	2	21.51.8354	Oval head allen screw	Ni,M3x6
1.5	2	24.16.1030	Fin washer	D3,2/5,5
1.6	1	1.820.150.12	Plate below guide roller	
1.7	1	1.820.155.01	Shaft	
1.8	1	1.010.058.23	Shim	D8,1/12x0,1
	1	1.010.059.23	Shim	D8,1/12x0,12
	1	1.010.060.23	Shim	D8,1/12x0,15
	1	1.010.061.23	Shim	D8,1/12x0,18
1.9	1	41.04.0110	Ball bearing	
1.10	1	24.99.0131	Circlip	D16,0mm
1.11	1	1.010.201.37	Spring from D	D15,5x49
1.12	1	24.99.0129	Circlip	D3,0mm
1.13	3	24.16.1050	Fin washer	D5,3/9
1.14	3	1.010.035.21	Cyl.screw special	M4x16
1.15	2	21.53.0356	Allen screw	M3x10
1.16	2	24.16.1030	Fin washer	D3,2/5,5
1.17	1	1.010.154.27	Distance tube	D13,6/15,9x11
1.18	1	1.010.066.23	Shim	D12,1/15,8x0,5
1.19	1	41.04.0110	Ball bearing	
1.20	1	1.062.210.11	Shim	D8,2/2x0,5
1.21	1	1.010.085.23	Shim	D8,1/19x0,5
1.22	1	24.16.3060	Circlip	D6,0mm
1.23	2	1.010.068.27	Hexagon bolt	M3x14
1.24	1	1.820.150.10	Fixing plate	
1.25	1	1.820.153.00	Hall potentiometer	
1.26	2	1.010.127.27	Hexagon bolt	M3x26
1.27	2	24.16.1030	Fin washer	D3,2/5,5
1.28	2	21.53.0353	Allen screw	M3x5
1.29	2	23.01.1032	Wascher	D3,2/6x0,5
1.30	2	24.16.1030	Fin washer	D3,2/5,5
1.31	2	21.53.0355	Allen screw	M3x8
1.32	1	1.820.772.81	Tape tension board	
1.33	1	24.16.5040	Circlip	D4,0mm
1.34	1	1.062.210.09	Shim	D4,3/7,5x0,2
1.35	1	41.99.0104	Ball bearing	D4/10x4
1.36	1	24.16.4100	Circlip	D10,0mm
1.37	1	24.99.0122	Circlip	D2,5mm
1.38	1	1.820.150.17	Spring special left	
	1	1.820.151.17	Spring special right	
1.39	1	1.820.150.16	Cam	
1.40	1	24.99.0129	Circlip	D3,0mm
1.41	1	1.820.150.07	Hook	
1.42	1	1.010.132.37	Spring	
1.43	1	1.820.165.81	Tape tension roller	
1.44	1	25.06.5054	Notched pin	
1.45	1	24.16.4100	Circlip	D10,0mm
1.46	2	37.02.0201	Cup spring	D6,2/9,8x0,15
1.47	1	41.99.0104	Ball bearing	
1.48	1	24.16.5040	Circlip	D4,0mm
1.49	1	1.820.150.06	Hook	
1.50	1	22.01.8030	Nut	D0,8/M3

Index	Qty.	Order No.	Part Name	Specification
1.51	1	1.820.154.00	Threaded pin compl.	
1.52	1	24.16.1030	Fin washer	D3,2/5,5
1.53	1	21.53.0355	Allen screw	M3x8

Tape Tension Assembly 1' Left/Right

Index	Qty.	Order No.	Part Name	Specification
		1.820.385.81	Tape tension assembly right	1"
		1.820.386.81	Tape tension assembly left	1"
1.2	1	1.820.400.05	Guide roller cover	
1.3	1	1.820.440.01	Guide roller	
1.42	1	1.010.131.37	Spring	
1.43	1	1.820.164.81	Tape tension roller	
1.3	1	1.820.441.01	Guide roller (for 2"-Tape deck)	1" (2")

12 Pinch Roller Assembly



Pinch Roller Assembly 2*

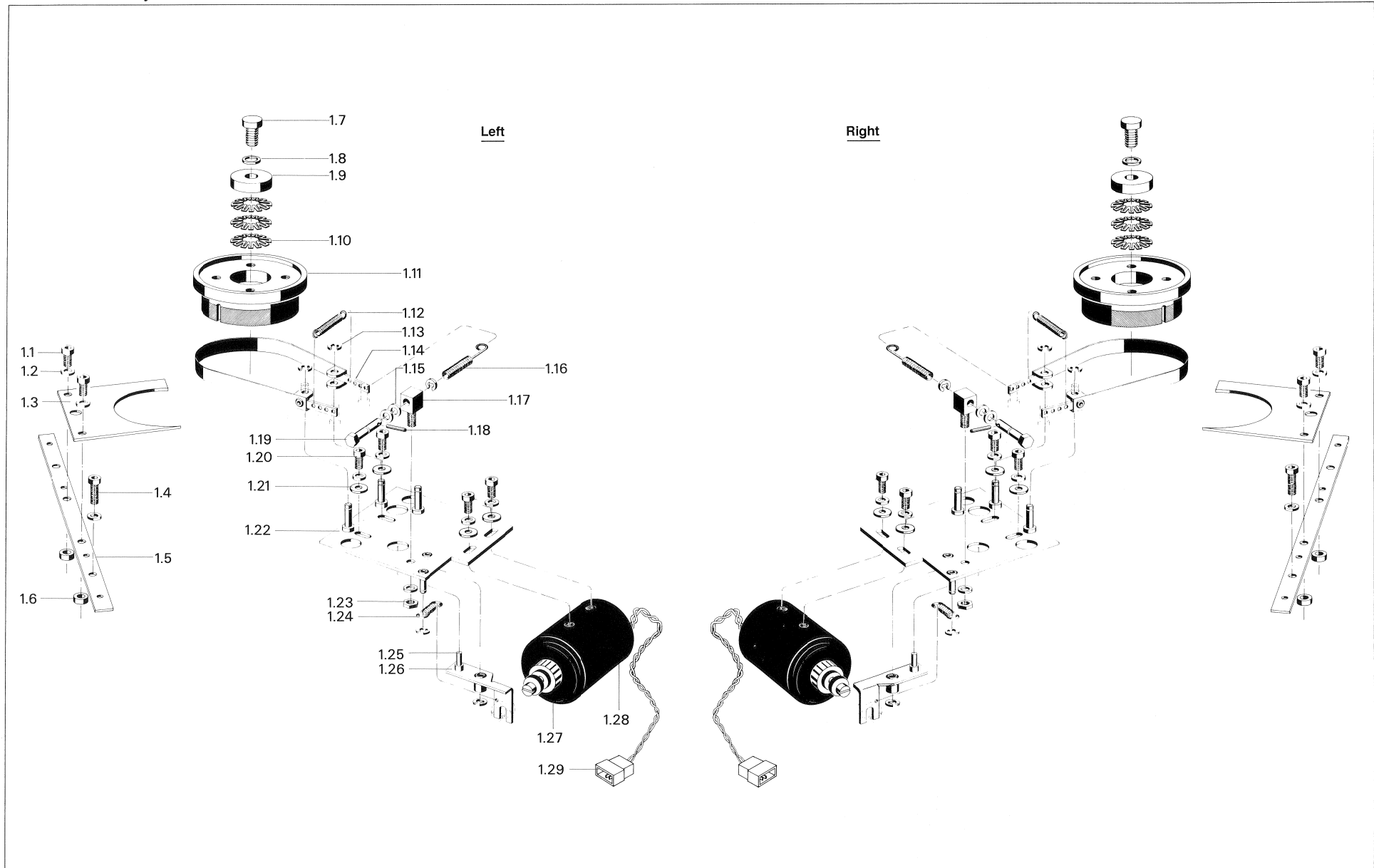
Index	Qty.	Order No.	Part Name	Specification
		1.820.131.81	Pinch roller assembly (*=not included)	2*compl.
* 1.1	3	1.010.049.21	Courter sunk allen screw special	M4
* 1.2	2	1.820.450.05	Guide roller cover	
* 1.3	2	1.820.450.01	Guide roller	
1.4	2	1.820.125.02	Guide roller shaft	
1.5	12	41.04.0110	Ball bearing	
1.6	10	24.99.0131	Circlip	D16,0mm
1.7	2	1.010.201.37	Spring	
1.8	2	1.010.154.27	Distance ring	
1.9	2	1.062.210.11	Shim	D8,2/12x0,5
1.10	2	1.010.085.23	Shim	D8,1/19x0,5
1.11	2	24.16.3060	Circlip	D6,0mm
1.12	9	24.16.5080	Circlip	D8,0mm
1.13	16	37.02.0203	Cup Spring	
1.14	2	1.820.120.13	Shaft	
1.15	2	24.16.3023	Circlip	D2,3mm
1.16	3	22.01.8040	Nut	D0,8/M4
1.17	3	24.16.1040	Fin washer	D4,3/7
1.18	4	1.820.120.19	Roller (POM)	
1.19	1	1.010.209.37	Spring	
1.20	1	1.820.120.17	Guiding shaft long	
1.21	3	1.077.100.20	Cap (rubber)	
1.22	3	1.820.120.34	Bolt	
*1.23	3	21.53.0464	Allen screw	M4x30
*1.24	3	24.16.1040	Fin washer	D4,3/7
*1.25	3	1.820.090.08	Bush	
1.26	8	21.59.4505	Grub screw	M5x8
1.27	1	1.820.120.14	Shaft (lifter)	
1.28	1	1.830.125.07	Pin for spring	
1.29	1	1.010.210.37	Spring	
1.30	1	1.820.120.24	Retainer	
1.31	1	1.820.120.33	Bush (POM)	
1.32	1	1.010.046.37	Spring for pinch roller	
1.33	1	1.820.120.26	Threaded pin	
1.34	1	22.99.0116	Lock nut	M4
1.35	1	1.820.120.25	Shim	D4,5/10x1
1.36	2	1.820.120.23	Bush (POM)	
1.37	5	24.16.3032	Circlip	D3,2mm
1.38	1	22.01.8040	Nut	D0,8/M4
1.39	1	23.01.2043	Washer	D4,3/9x0,8
*1.40	1	1.820.472.04	Pinch roller cover	
1.41	1	1.820.131.01	Pinch roller shaft	
1.42	2	21.53.2354	Courter sunk allen screw	M3x6
1.43	1	1.820.120.31	Plate	
1.44	1	21.53.0355	Allen screw	M3x8
1.45	1	22.99.0130	Lock nut	M6
1.46	1	1.010.115.37	Spring	
1.47	2	1.820.120.18	Guiding shaft short	
1.48	1	1.820.120.15	Shaft (right)	
1.49	1	1.820.120.22	Pin	
1.50	2	24.16.3040	Circlip	D4,0mm

Index	Qty.	Order No.	Part Name	Specification
1.51	1	1.820.120.21	Shaft (for guiding roller)	
1.52	1	1.820.120.20	Lever rod (brass)	
1.53	1	1.820.120.32	Bush (POM)	
*1.54	1	1.010.036.31	Counter sunk screw spez.	M4x14
1.55	1	1.820.420.00	Pinch roller compl.	2

Pinch Roller Assembly 1*

Index	Qty.	Order No.	Part Name	Specification
		1.820.125.81	Pinch roller assembly compl.	1*
1.2	2	1.820.400.05	Guide roller cover	
1.3	1	1.820.440.02	Guide roller left steel	
	1	1.820.440.01	Guide roller right	
1.40	1	1.820.420.05	Pinch roller cover	
1.41	1	1.820.125.05	Pinch roller shaft	
1.55	1	1.820.462.00	Pinch roller compl.	1*

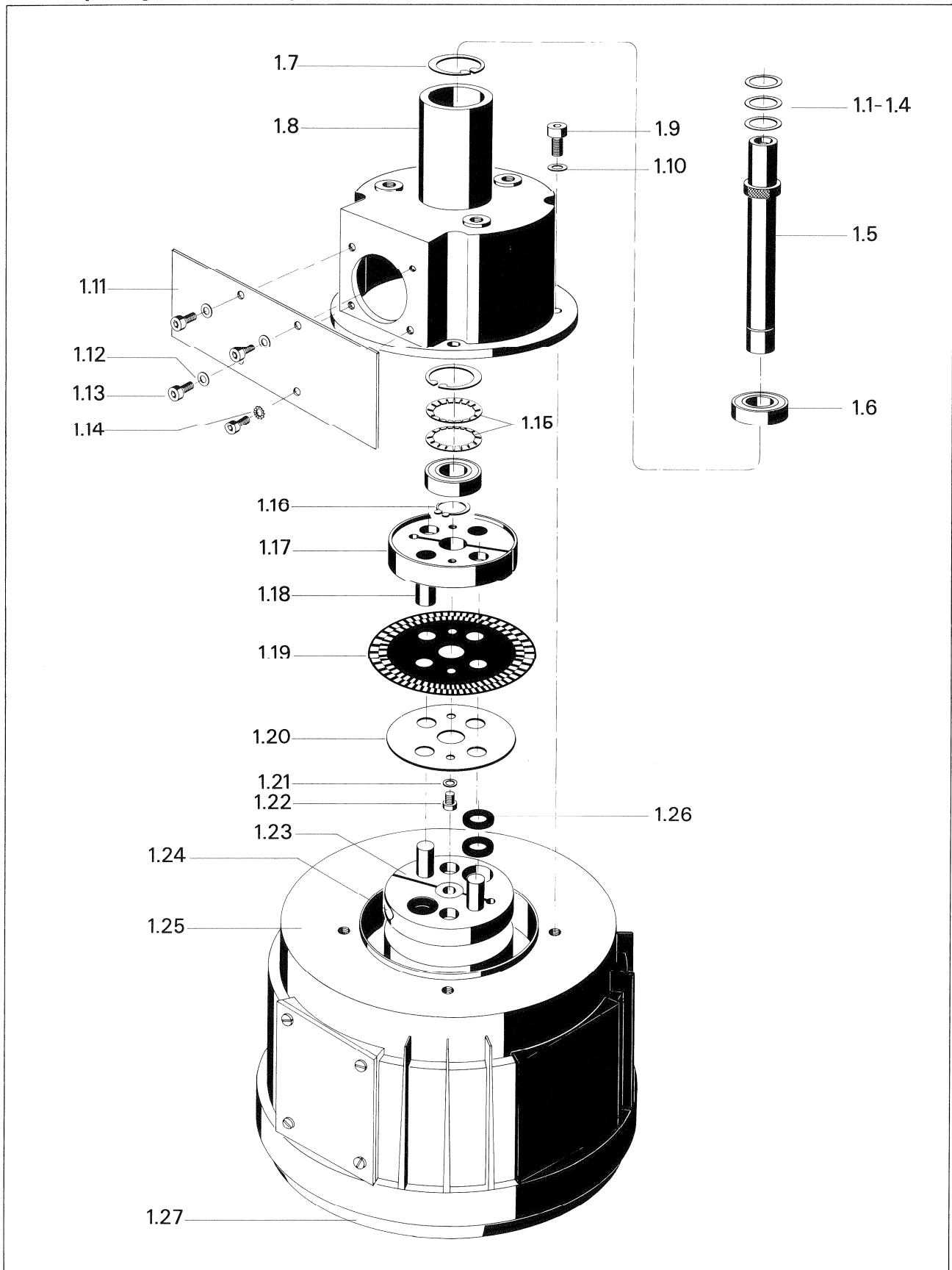
13 Brake Assembly



Brake Assembly

Index	Qty.	Order No.	Part Name	Specification
		1.080.230.00	Brake assembly compl. (*=not included)	left
		1.080.240.00	Brake assembly compl. (*=not included)	right
* 1.1	4	21.53.0454	Allen screw	M4x6
* 1.2	8	24.16.1040	Fin washer	D4,3/7
^ 1.3	1	1.820.090.02	Brake band guide	
* 1.4	2	21.53.0471	Allen screw	M4x14
* 1.5	1	1.820.090.01	Support for brake band guide	
* 1.6	2	1 010 096 27	Space washer	
* 1.7	1	21.53.0521	Screw	M5x14
* 1.8	1	24.16.1050	Fin washer	D5,3x9
* 1.9	1	1.820.090.03	Pressure shim	
*1.10	4	24.16.6120	Cup spring serrated	
*1.11	1	1.820.201.00	Brake drum compl.	
*1.12	1	1.010.130.37	Spring	
1.13	3	24.16.3032	Circlip	D3,2mm
*1.14	1	1.080.238.00	Brake band compl.	
1.15	2	37.01.0102	Cup spring	
*1.16	1	1.080.230.07	Spring strong	
1.17	1	1.080.230.01	Support	
1.18	1	25.16.2106	Spring cotter pin	
1.19	1	1.080.230.02	Spring tensioner	
*1.20	2	21.53.0457	Allen screw	M4x12
1.21	4	23.01.1043	Washer	D4,3/8x0,5
1.22	1	1.080.233.00	Brake chassis	left
	1	1.080.243.00	Brake chassis	right
1.23	1	22.01.8040	Nut	D0,8/M4
1.24	1	1.080.112.02	Spring	
1.25	1	1.080.120.15	Rubber dumping tube	
1.26	1	1.080.236.00	Brake lever compl.	
1.27	1	1.014.753.00	Armature compl.	
1.28	1	1.014.750.00	Solenoid	
1.29	1	54.02.0400	Molex Connector	

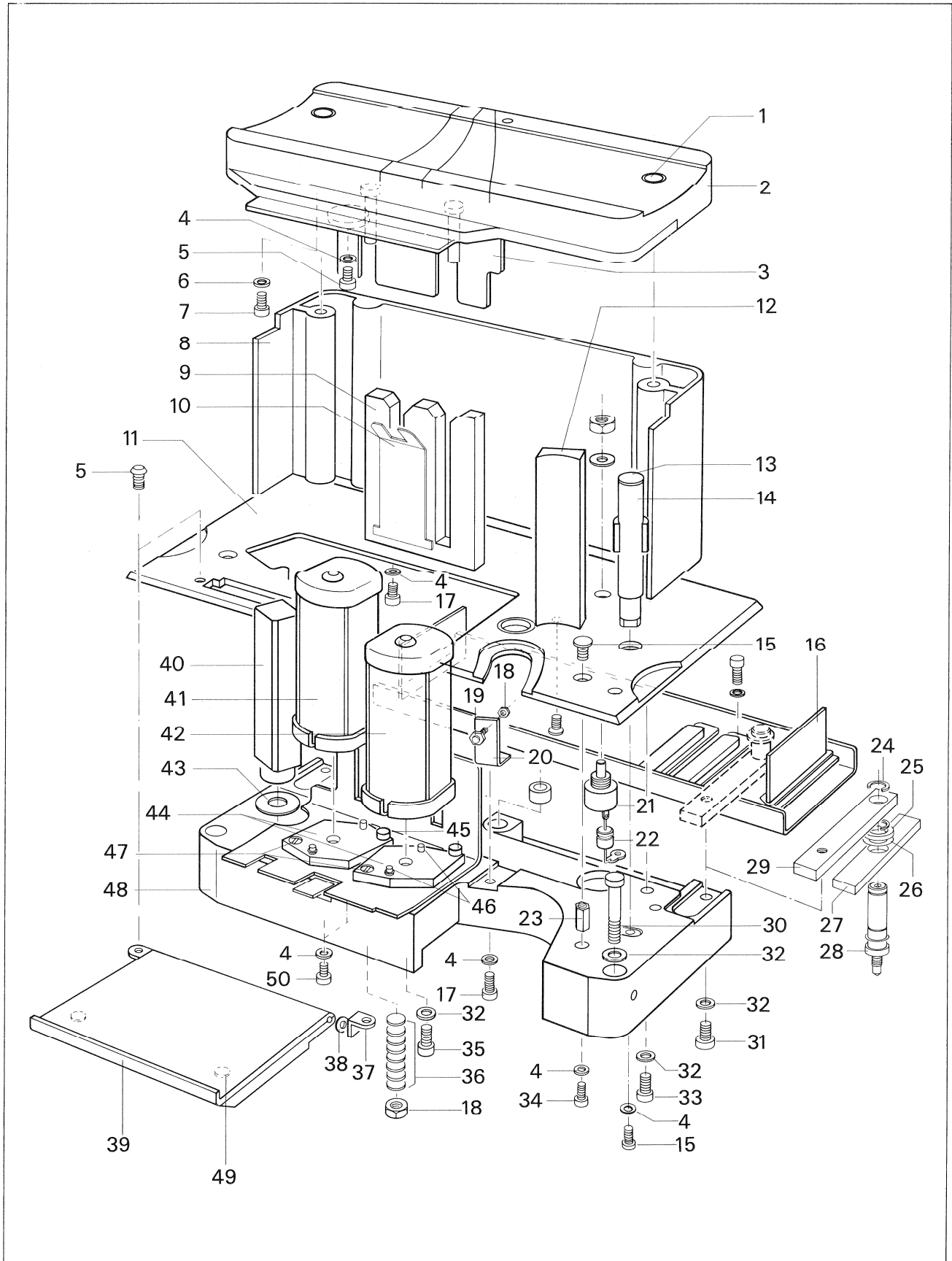
14 Spooling Motor Assembly



Spooling Motor Assembly

Index	Qty.	Order No.	Part Name	Specification
		1.820.192.00	Spooling motor assembly	1 1/2"
1.1	1	1.010.062.23	Spacer	D12,1/15,8x0,1
1.2	1	1.010.063.23	Spacer	0,12
1.3	1	1.010.064.23	Spacer	0,15
1.4	1	1.010.065.23	Spacer	0,18
1.5	1	1.820.190.03	Spooling motor shaft	
1.6	2	41.99.0113	Ball bearing	D12/28x8
1.7	2	24.16.4280	Circlip	D28
1.8	1	1.820.190.01	Bearing case spooling motor	
1.9	4	21.54.0522	Allen screw	M5x16
1.10	4	24.16.1050	Fin washer	D5,3/9
1.11	1	1.820.771.84	Motor Tacho Board	
1.12	3	24.16.1030	Fin washer	D3,2/5,5
1.13	4	21.53.0354	Allen screw	M3x6
1.14	1	24.16.2030	Serrated washer	D3,2
1.15	2	37.02.0209	Cup spring	
1.16	1	24.16.5120	Circlip	D12
1.17	1	1.820.190.04	Upper part clutch	
1.18	4	25.06.8513	Stud	D6x24
1.19	1	1.820.190.06	Tacho disk	
1.20	1	1.820.190.07	Support for tacho disk	
1.21	2	24.16.1030	Fin washer	D3,2/5,5
1.22	2	21.53.0354	Allen screw	M3x6
1.23	1	1.820.190.05	Lower part clutch	
1.24	2	21.54.0522	Allen screw	M5x16
1.25		1.820.193.00	Motor compl.	
1.26	8	31.05.0002	Ring	D6x3,5
1.27	1 Set	1.820.193.01	Carbon brush complete	MC13S

15 Head Block



Head Block 24CH / 2"

Index	Qty.	Order No.	Part Name	Specification
		1.050.152.82	Head block	24CH, 2"
1	2	1.010.036.21	Counter sunk allen screw special	M4x14
2	1	1.050.152.02	Splice block 2"	
3	1	1.050.150.06	Screening plate top	
4	8	24.16.1030	Fin washer	D3,2/5,5
5	3	21.51.8354	Oval head allen screw	M3x6
6	2	24.16.1025	Fin washer	D2,7/5
7	2	21.01.0278	Pan head allen screw, slotted	M2,5x5
8	1	1.050.151.04	Rear cover profile 2"	
9	1	1.050.151.05	Wire adapter (POM)	
10	1	1.050.152.04	Plastic cover 2"	
11	1	1.050.150.09	Head block cover plate	
12	1	1.050.152.03	Guiding element 2"	
13	1	1.820.163.03	Plastic cap	
14	1	1.050.180.00	Pivot 2" compl.	
15	3	21.53.0355	Chees head allen screw	M3x8
16	1	1.820.795.00	Head block identifier board	
17	2	21.53.0356	Chees head allen screw	M3x10
18	2	22.01.8030	Nut	D0,8/M3
19	1	1.050.182.00	Lifter stop (POM) compl.	
20	1	1.050.101.18	Bracket for lifter stop	
21	1	58.03.0502	Potentiometer	5kΩ/10%/0,5W/PCC
22	1	59.25.1221	Capacitor	220μF/20%/6,3V/EL
23	4	1.010.216.27	Hex stud	M3/M3x8
24	4	24.99.0134	Circlip	D6,0mm
25	2	1.010.069.23	Washer	D7,1/12x1
26	4	1.010.109.23	Washer (HGW= Hartgawebe)	D7,1/12x0,3
27	2	1.050.150.02	Plate	
28	2	1.050.150.03	Special screw for connector plate	
29	2	1.050.150.04	Bracket for connector plate	
30	3	21.53.0462	Chees head allen screw	M4x25
31	2	21.53.0454	Chees head allen screw	M4x6
32	10	24.16.1040	Fin washer	D4,3/7
33	3	21.53.0456	Chees head allen screw	M4x10
34	4	21.53.0356	Chees head allen screw	M3x10
35	2	21.53.0455	Chees head allen screw	M4x8
36	20	37.01.0101	Cup spring	D3,2/8x0,3
37	2	1.050.101.13	Bracket for flap	
38	2	1.010.105.23	Washer (PTFE)	D3,2/6x0,25
39	1	1.820.944.00	Flap compl.	
40	1	1.216.826.00	Erase head	24CH
41	1	1.318.780.00	Record head	24CH
42	1	1.318.785.00	Reproduce head	24CH
43	2	1.020.500.01	Slim	D4,2/15,5x0,1
44	2	1.050.150.20	Swivel plate	
45	2	1.020.710.05	Azimuth screw special	
46	4	1.020.850.07	Threaded pin	M2,5
47	2	1.020.740.03	Screw special	
48	1	1.050.198.00	Head block chassis	
49	2	1.337.954.04	Rubber damper	
50	2	21.53.0353	Cheese head allen screw	M3x5

Head Block 16CH / 2"

Index	Qty.	Order No.	Part Name	Specification
		1.050.151.82	Head block	16CH, 2"
40	1	1.216.926.00	Erase head	16CH
41	1	1.318.770.00	Record head	16CH
42	1	1.318.775.00	Reproduce head	16CH

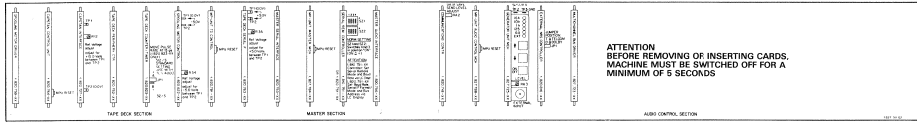
Head Block 8CH / 1"

Index	Qty.	Order No.	Part Name	Specification
		1.050.150.82	Head block	8CH, 1"
2	1	1.050.150.15	Splice block	1"
8	1	1.050.150.10	Rear cover profile	1"
9	1	1.050.150.23	Wire adapter (POM)	1"
10	1	1.050.150.26	Plastic cover	1"
12	1	1.050.150.25	Guiding element	1"
14	1	1.050.179.00	Pivot compl.	1"
39	1	1.820.945.00	Flap compl.	
40	1	1.216.726.00	Erase head	8CH
41	1	1.318.760.00	Record head	8CH
42	1	1.318.765.00	Reproduce head	8CH

Head Block 8CH / 1" for 2" Tape transport

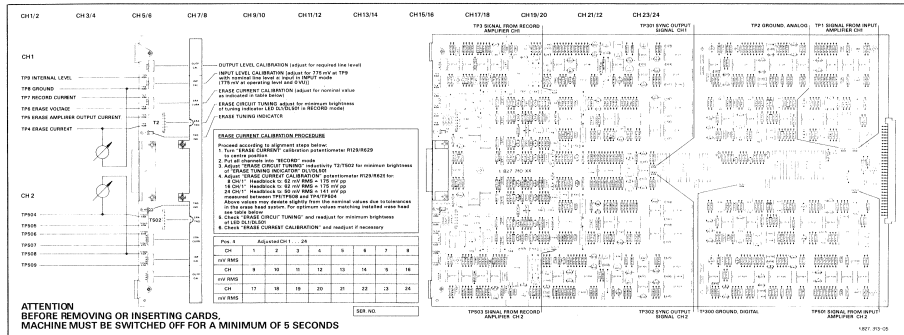
Index	Qty.	Order No.	Part Name	Specification
		1.050.153.82	Head block	8CH, 1" spez. (Head block for conversion between 2" and 1" tape). All components correspond to 2" headblock except heads!

16 Labels

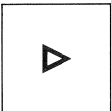


ATTENTION
BEFORE REMOVING OR INSERTING CARDS,
MACHINE MUST BE SWITCHED OFF FOR A
MINIMUM OF 5 SECONDS

1.827.311.02



1.827.313.05



1.080.260.14



1.080.260.18



1.080.260.15



1.080.260.16



1.080.260.17

STUDER A827 MCH

17 Flat Cables, Wire Harness

Start point of wireharness	Gr	EI	Destination of wirehare	(ASY)/Gr.	EI	# of pins	L in mm	Order Number
Tape Deck Basis board tape deck 1.820.704	20	01	Spooling motor drive amplifier right 1.820.875	33	02	16	700mm	1.023.101.07
Basisprint–Tape Basis board tape deck 1.820.704	20	02	Power fail sense board 1.820.869	29	05	16	1320mm	1.023.101.13
Basisprint–Tape Basis board tape deck 1.820.704	20	03	Capstan motor drive amplifier 1.820.774	39	01	16	1600mm	1.023.101.16
Basisprint–Tape Basis board tape deck 1.820.704	20	06	Opto + Extended sensor 1.820.793	44	01	10	1300mm	1.023.100.13
Basisprint–Tape Basis board tape deck 1.820.704	20	07	Tape lifter control left 1.820.773	46	01	16	1800mm	1.023.101.18
Basisprint–Tape Basis board tape deck 1.820.704	20	08	Pinch roller gate 1.820.831	60	01	16	1200mm	1.023.101.12
Basisprint–Tape Basis board tape deck 1.820.704	20	09	Pinch roller gate 1.820.831	60	04	10	1300mm	1.023.100.13
Basisprint–Tape Basis board tape deck 1.820.704	20	10	Pinch roller gate 1.820.831	60	03	10	1200mm	1.023.100.12
Basisprint–Tape Basis board tape deck 1.820.704	20	11	Pinch roller gate 1.820.831	60	02	10	1200mm	1.023.100.12
Basisprint–Tape Basis board tape deck 1.820.704	20	12	Tape tension sensor left 1.820.772	42	01	10	1300mm	1.023.100.13
Basisprint–Tape Basis board tape deck 1.820.704	20	13	Tape tension sensor right 1.820.772	43	01	10	1700mm	1.023.100.17
Basisprint–Tape Basis board tape deck 1.820.704	20	14	Fuse supply failure detector 1.820.866	59	01	16	600mm	1.023.101.06
Basisprint–Tape Basis board tape deck 1.820.704	20	15	Tape deck display driver 1.827.768	50	01	40	1800mm	1.023.104.18
Basisprint–Tape Basis board tape deck 1.820.704	20	16	Parallel remote interface 1.820.738	27	02	40	500mm	1.023.104.05
Basisprint–Tape Basis board tape deck 1.820.704	20	17	Headblock identifier 1.820.795	2/01	10	26/25	1600mm	1.023.152.16
Basis Board Tape deck 1.820.704	20	19	Timer control board 1.820.861	28	01	16	600mm	1.023.101.06
Basisprint–Tape Basis board tape deck 1.820.704	20	31	Connector SMPTE/EBU–BUS (2 x 9pin D–Type)	25	4/5	10/9/9	1470/1600	1.023.190.16
Parallel remote interface 1.820.738	27	01	Serial remote interface 1.820.729	26	01	26	500mm	1.023.102.05
Parallel remote interface 1.820.738	27	03	Remote control connector board (synchronizer) 1.827.850	24	01	26	1600mm	1.023.102.16
Parallel remote interface 1.820.738	27	04	Remote control connector board (Parallel remote) 1.827.850	24	02	26	1600mm	1.023.102.16
Basisprint–Audio Basis board audio control 1.827.702	21	10	Remote control panel/NRS control connector CH 1–8 (15pin D–Type)	25	01	16/15	1600mm	1.023.151.16
Basisprint–Audio Basis board audio control 1.827.702	21	11	Remote control panel/NRS control connector CH 9–16 (15pin D–Type)	25	02	16/15	1600mm	1.023.151.16
Basisprint–Audio Basis board audio control 1.827.702	21	12	Remote control panel/NRS control connector CH 17–24(15pin D–Type)	25	03	16/15	1600mm	1.023.151.16

Flat Cables, Wire Harness

Start point of wireharness	Gr	EI	Destination of wireharness	(ASy)/Gr.	EI	# of pins	L in mm	Order Number
Basis board audio control 1.827.702	21	50	Basis Board Audio CH 1-8 1.827.700	3/5	01	40	1000mm	1.023.104.10
Basis board audio control 1.827.702	21	51	Basis Board Audio CH 9-16 1.827.700	4/5	01	40	1000mm	1.023.104.10
Basis board audio control 1.827.702	21	51	Basis Board Audio CH 17-24 1.827.700	5/5	01	40	1000mm	1.023.104.10
Serial remote interface 1.820.729.00	26	02	Remote control panel/Connector Autolocator, Remote Timer (9pin D-Type)	25	07	10/9	2000mm	1.023.150.20
Distribution-board 1.827.865	35	20	Switching stabilizer ± 15,0 1.820.873	31	01	10	300mm	1.023.100.03
Distribution-board 1.827.865	35	21	Switching stabilizer + 5,6 1.820.872	32	01	10	400mm	1.023.100.04
Spooling motor drive amplifier right 1.820.875	30	02	Power fail sense board 1.820.869	29	06	16	600mm	1.023.101.06
Pinch roller gate 1.820.831	60	05	Tape lifter control right 1.820.773	47	01	16	900mm	1.023.101.09
Pinch roller gate 1.820.831	60	06	Move sensor 1.820.770	45	01	10	900mm	1.023.100.09
Pinch roller gate 1.820.831	60	07	Spooling motor assembly, right 1.820.192	37	01	10	1300mm	1.023.100.13
Pinch roller gate 1.820.831	60	08	Spooling motor assembly, left 1.820.192	36	01	10	200mm	1.023.100.02
Pushbutton assembly 1.827.240	48	01	Tape deck display driver 1.827.768	50	03	26	400mm	1.023.102.04
Power fail sense board 1.820.869	29	01	Spooling motor drive amplifier right 1.820.875	30	03	2	600mm	1.820.890.00
Power fail sense board 1.820.869	29	03	Spooling motor drive amplifier left 1.820.875	33	04	2	600mm	1.820.890.00

Up-date to the service manual Part II Studer A827 MCH

UP-DATE Tape Deck Section 2

Fuse/supply Failure Detector	1.816.866.00
Power Supply	1.820.353.82
Power Supply	1.820.353.83
Mains Transformer	1.820.625.81
Mains Soft Start Board	1.820.830.84
Distribution Board TD MCH	1.827.865.81
MP Unit Tape Deck Control MCH	1.820.781.31
Motor Tacho	1.820.771.84
Capstan Motor Drive Amplifier PCB	1.820.774.26/1.820.774.27
Tacho Sensor Electronics PCB	1.021.695.86

UP-DATE Master Section 3

MP Unit Master MCH	1.827.784.26
Tape Deck Display Driver Board	1.827.768.82

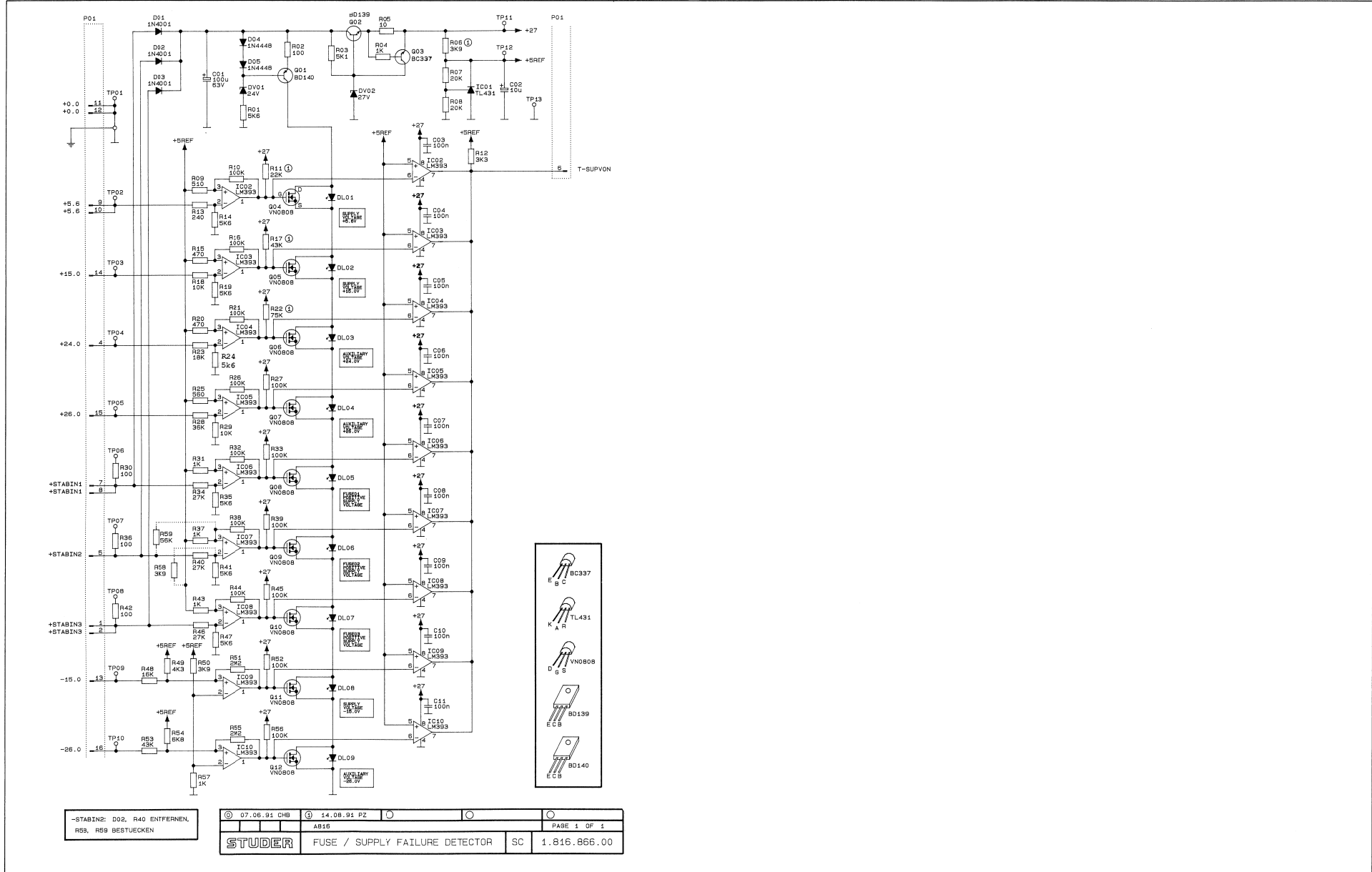
UP-DATE Audio Section 4

MP Unit Audio Control	1.827.782.26
MP Unit Audio Control	1.827.788.24
Audio Basis Board MCH	1.827.700.83

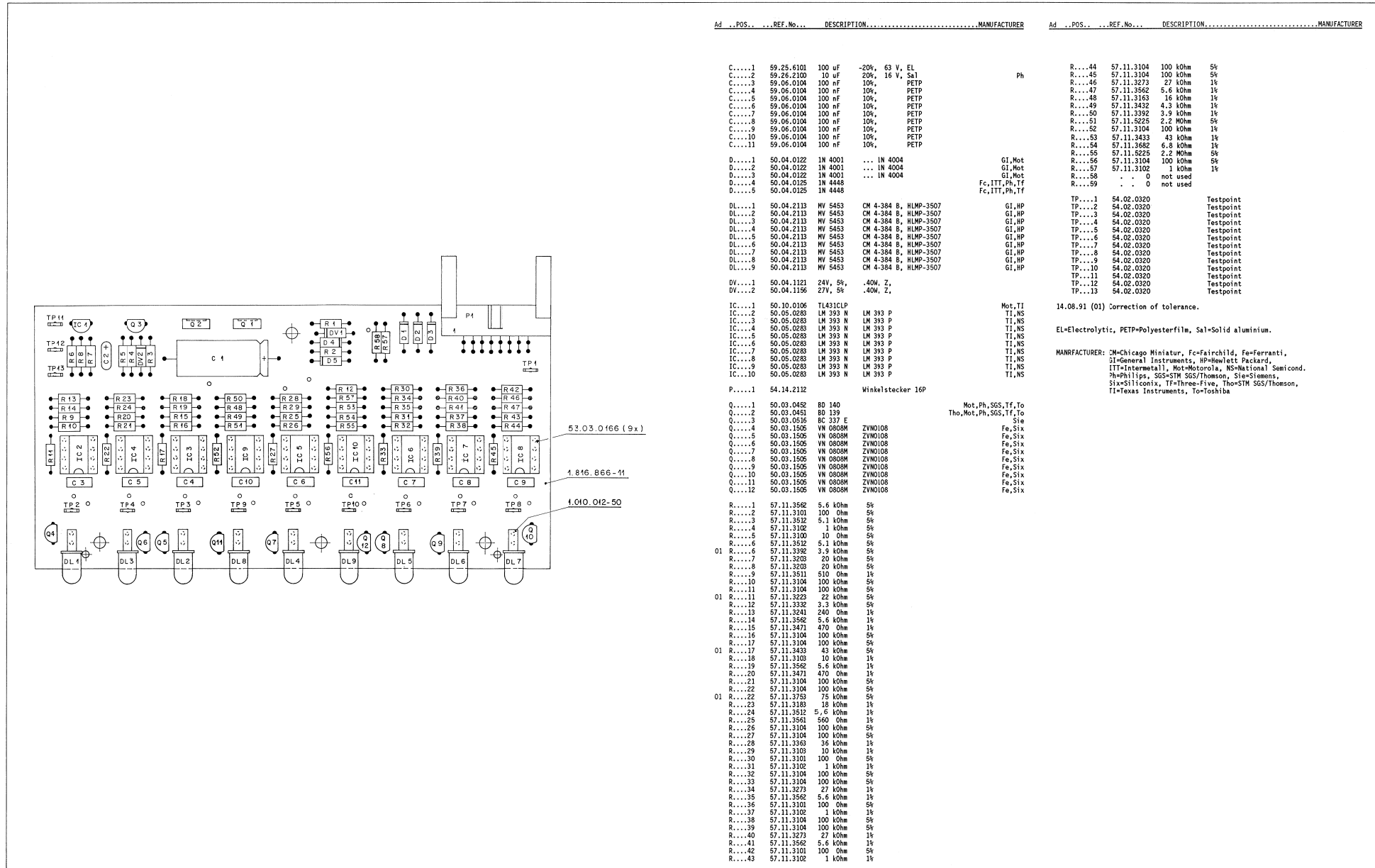
UP-DATE Accessories Section 5

Tape Deck Remote Control Cabinet (Parallel)	1.328.250.81
- Tape Deck Remote Control PCB	1.328.251.81
- Connector Board	1.328.257.81
Parallel Remote Channel Control Interface	1.328.540.00
- Basis Board VU Panel	1.820.705.00
- DC Converter 5,6V	1.820.706.00
- MP Unit Audio Remote IF	1.827.787.23
- Audio Parallel Remote IF	1.328.506.00
- Connector Pre-Wired	1.328.507.00
- KB Audio Remote Par. 8CH+M	1.328.508.00
- KB Audio Remote Par. 8CH	1.328.509.00

FUSE / SUPPLY FAILURE DETECTOR 1.816.866.00



FUSE / SUPPLY FAILURE DETECTOR 1.816.866.00



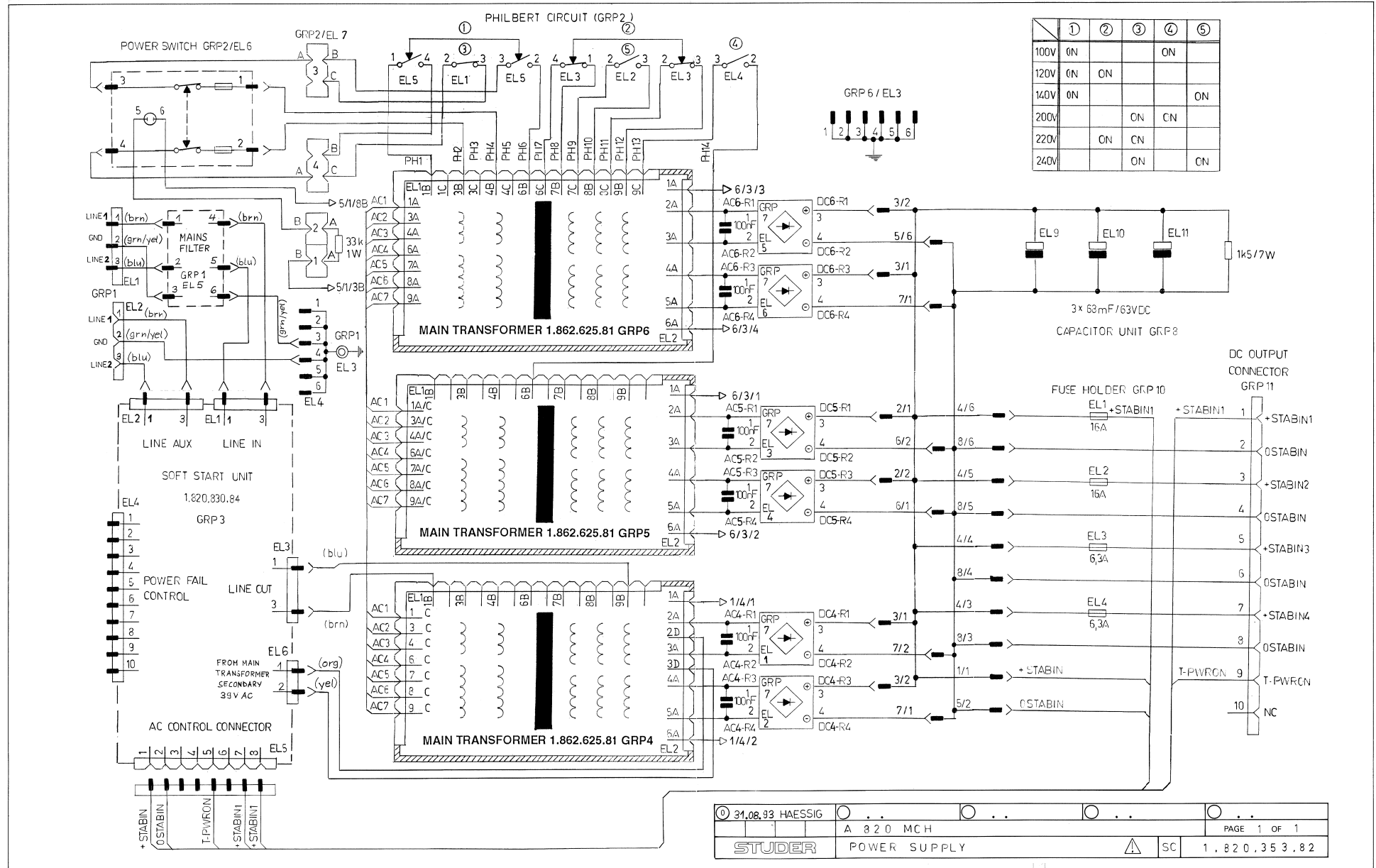
Ad	.POS.	.REF.No.	DESCRIPTION	MANUFACTURER	Ad	.POS.	.REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.25.6101	100 uF	-20%, 63 V, EL		R....44	57.11.3104	100 kOhm	5%	
C....2	59.25.2100	10 uF	20%, 16 V, Sal	Ph	R....45	57.11.3104	100 kOhm	5%	
C....3	59.06.0104	100 nF	10%, PETP		R....46	57.11.3273	27 kOhm	1%	
C....4	59.06.0104	100 nF	10%, PETP		R....47	57.11.3562	5,6 kOhm	1%	
C....5	59.06.0104	100 nF	10%, PETP		R....48	57.11.3153	16 kOhm	1%	
C....6	59.06.0104	100 nF	10%, PETP		R....49	57.11.3432	4,3 kOhm	1%	
C....7	59.06.0104	100 nF	10%, PETP		R....50	57.11.3392	3,9 kOhm	1%	
C....8	59.06.0104	100 nF	10%, PETP		R....51	57.11.5225	2,2 MOhm	5%	
C....9	59.06.0104	100 nF	10%, PETP		R....52	57.11.3104	100 kOhm	1%	
C....10	59.06.0104	100 nF	10%, PETP		R....53	57.11.3433	43 kOhm	1%	
C....11	59.06.0104	100 nF	10%, PETP		R....54	57.11.3682	6,8 kOhm	1%	
D....1	50.04.0122	1N 4001	... IN 4004	GI, Mot	R....55	57.11.5225	2,2 MOhm	5%	
D....2	50.04.0122	1N 4001	... IN 4004	GI, Mot	R....56	57.11.3104	100 kOhm	5%	
D....3	50.04.0122	1N 4001	... IN 4004	GI, Mot	R....57	57.11.3102	1 kOhm	1%	
D....4	50.04.0125	1N 4448	... IN 4404	Fc, ITT, Ph, TF	R....58	.	0	not used	
D....5	50.04.0125	1N 4448	... IN 4404	Fc, ITT, Ph, TF	R....59	.	0	not used	
DL....1	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....1	54.02.0320		Testpoint	
DL....2	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....2	54.02.0320		Testpoint	
DL....3	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....3	54.02.0320		Testpoint	
DL....4	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....4	54.02.0320		Testpoint	
DL....5	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....5	54.02.0320		Testpoint	
DL....6	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....6	54.02.0320		Testpoint	
DL....7	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....7	54.02.0320		Testpoint	
DL....8	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....8	54.02.0320		Testpoint	
DL....9	50.04.2113	MV 5453	CM 4-384 B, HLMF-3507	GI, HP	TP....9	54.02.0320		Testpoint	
DV....1	50.04.1121	24V, 5%	.40M, Z,		TP....10	54.02.0320		Testpoint	
DV....2	50.04.1156	27V, 5%	.40M, Z,		TP....11	54.02.0320		Testpoint	
IC....1	50.10.0106	TL431CLP		Mot, TI	TP....12	54.02.0320		Testpoint	
IC....2	50.05.0283	LM 393 N	LM 393 P	TI, NS	TP....13	54.02.0320		Testpoint	
IC....3	50.05.0283	LM 393 N	LM 393 P	TI, NS	TP....14	54.02.0320		Testpoint	
IC....4	50.05.0283	LM 393 N	LM 393 P	TI, NS					
IC....5	50.05.0283	LM 393 N	LM 393 P	TI, NS					
IC....6	50.05.0283	LM 393 N	LM 393 P	TI, NS					
IC....7	50.05.0283	LM 393 N	LM 393 P	TI, NS					
IC....8	50.05.0283	LM 393 N	LM 393 P	TI, NS					
IC....9	50.05.0283	LM 393 N	LM 393 P	TI, NS					
IC....10	50.05.0283	LM 393 N	LM 393 P	TI, NS					
P.....1	54.14.2112		Winkelstecker 16P						
Q....1	50.03.0452	80 140		Mot, Ph, SGS, TF, To					
Q....2	50.03.0451	80 139		Tho, Mot, Ph, SGS, TF, To					
Q....3	50.03.0516	BC 337 E		Sie					
Q....4	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
Q....5	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
Q....6	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
Q....7	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
Q....8	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
Q....9	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
Q....10	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
Q....11	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
Q....12	50.03.1505	VN 0808M	ZVNO108	Fe, Six					
R....1	57.11.3562	5,6 kOhm	5%						
R....2	57.11.3101	100 Ohm	5%						
R....3	57.11.3512	5,1 kOhm	5%						
R....4	57.11.3102	1 kOhm	5%						
R....5	57.11.3100	10 Ohm	5%						
R....6	57.11.3512	5,1 kOhm	5%						
R....7	57.11.3392	3,9 kOhm	5%						
R....8	57.11.3203	20 kOhm	5%						
R....9	57.11.3611	510 Ohm	1%						
R....10	57.11.3104	100 kOhm	5%						
R....11	57.11.3104	100 kOhm	5%						
R....12	57.11.3223	22 kOhm	5%						
R....13	57.11.3232	3,3 kOhm	5%						
R....14	57.11.3241	240 Ohm	1%						
R....15	57.11.3562	5,6 kOhm	1%						
R....16	57.11.3471	470 Ohm	1%						
R....17	57.11.3104	100 kOhm	5%						
R....18	57.11.3103	10 kOhm	1%						
R....19	57.11.3562	5,6 kOhm	1%						
R....20	57.11.3471	470 Ohm	1%						
R....21	57.11.3104	100 kOhm	5%						
R....22	57.11.3104	100 kOhm	5%						
R....23	57.11.3753	75 kOhm	5%						
R....24	57.11.3181	18 kOhm	1%						
R....25	57.11.3512	5,6 kOhm	1%						
R....26	57.11.3661	560 Ohm	1%						
R....27	57.11.3104	100 kOhm	5%						
R....28	57.11.3104	100 kOhm	5%						
R....29	57.11.3563	36 kOhm	1%						
R....30	57.11.3103	10 kOhm	1%						
R....31	57.11.3101	100 Ohm	5%						
R....32	57.11.3102	1 kOhm	5%						
R....33	57.11.3104	100 kOhm	5%						
R....34	57.11.3273	27 kOhm	1%						
R....35	57.11.3562	5,6 kOhm	1%						
R....36	57.11.3101	100 Ohm	5%						
R....37	57.11.3102	1 kOhm	1%						
R....38	57.11.3104	100 kOhm	5%						
R....39	57.11.3104	100 kOhm	5%						
R....40	57.11.3273	27 kOhm	1%						
R....41	57.11.3562	5,6 kOhm	5%						
R....42	57.11.3101	100 Ohm	5%						
R....43	57.11.3102	1 kOhm	1%						

14.08.91 (01) Correction of tolerance.

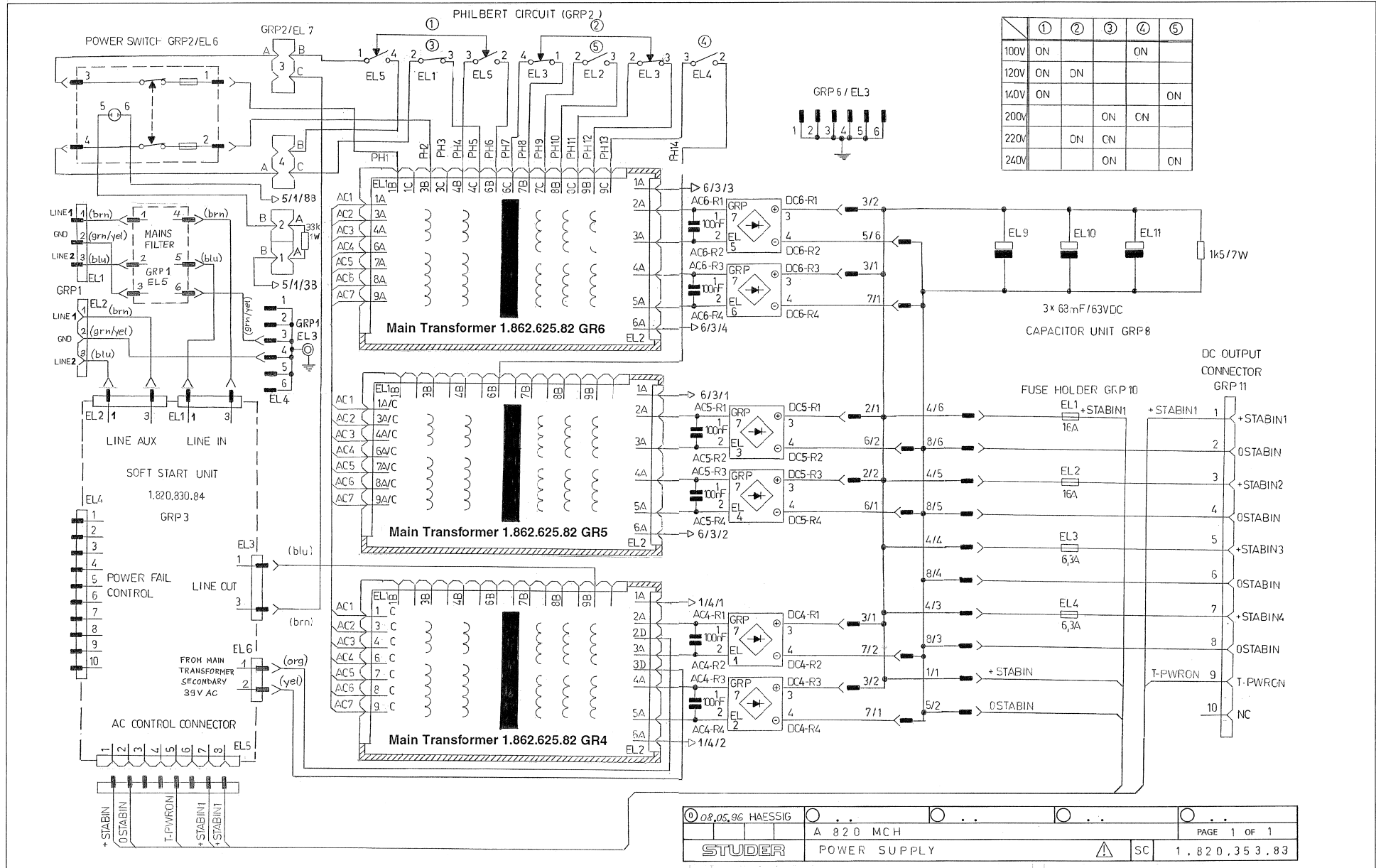
EL=Electrolytic, PETP=Polyesterfilm, Sal=Solid aluminium.

MANUFACTURER: CM=Chicago Miniatur, Fc=Fairchild, Fe=Ferranti, GI=General Instruments, HP=Hewlett Packard, ITT=Intermettal, Mot=Motorola, NS=National Semicond. Ph=Philips, SGS=STM SGS/Thomson, Sie=Siemens, Six=Siliconix, TF=Three-Five, Tho=STM SGS/Thomson, TI=Texas Instruments, To=Toshiba

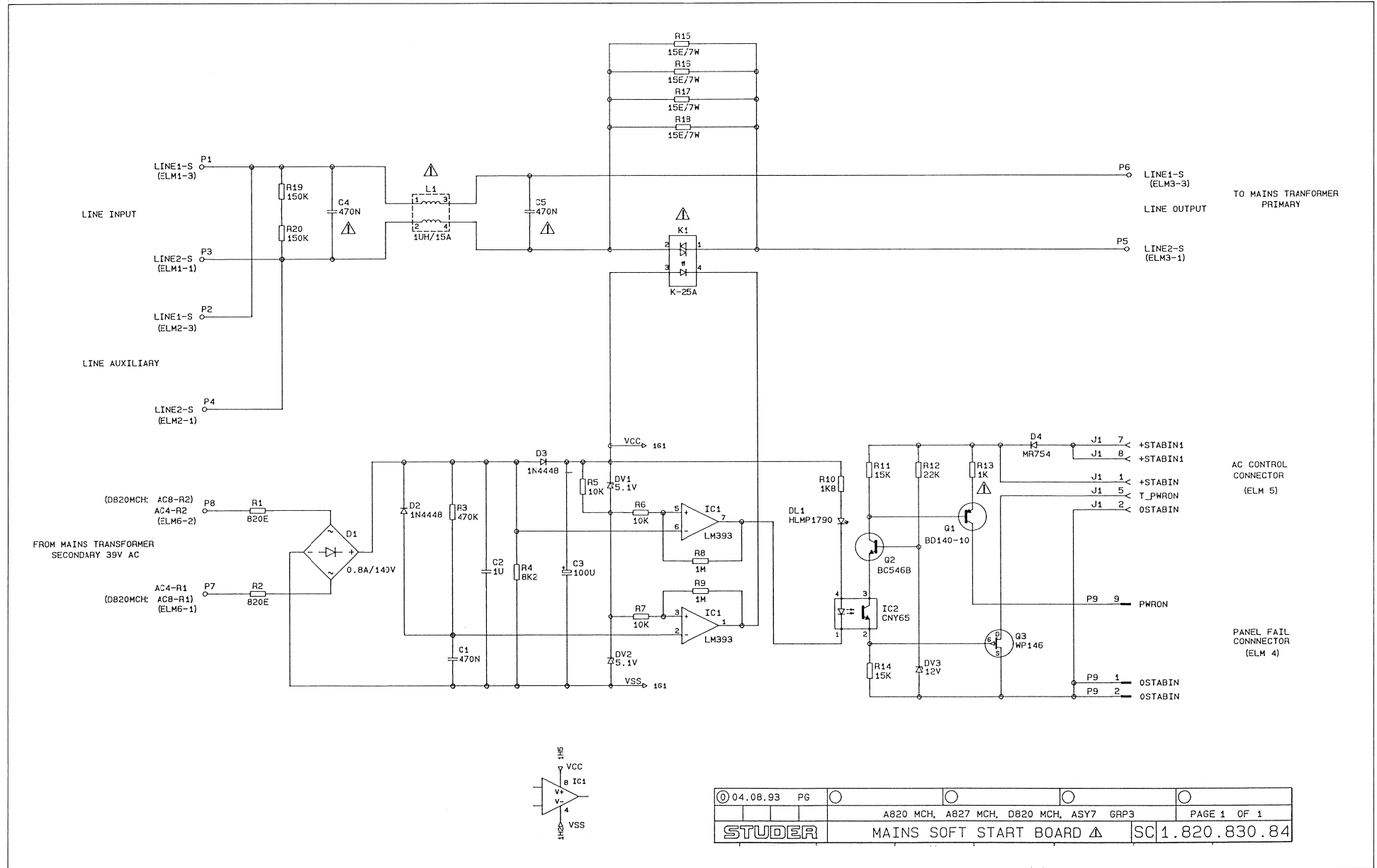
POWER SUPPLY 1.820.353.82



POWER SUPPLY 1.820.353.83



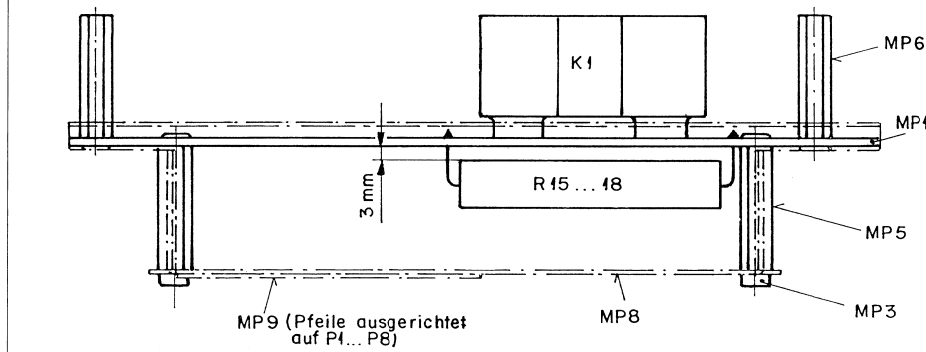
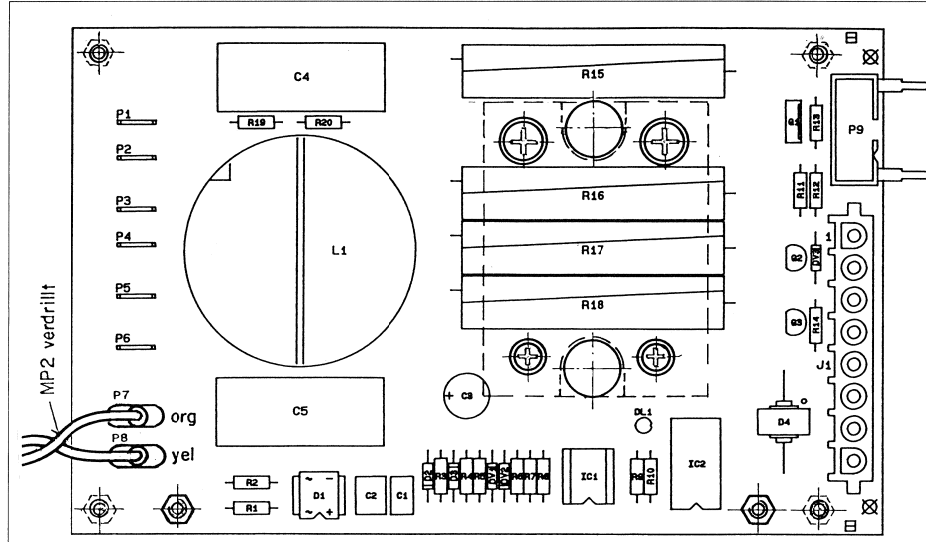
MAINS SOFT START BOARD 1.820.830.84



04.08.93	PG				
A820 MCH, A827 MCH, D820 MCH, ASY7 GRP3			PAGE 1 OF 1		
STUDER		MAINS SOFT START BOARD		SC 1.820.830.84	



MAINS SOFT START BOARD 1.820.830.84



UL approved material only

Ad . . . POS. . . REF. No. . . DESCRIPTION. MANUFACTURER

C....1	59.06.5474	470n	5 %	50V, PEP	
C....2	59.06.5105	1u	5 %	50V, PEP	
C....3	59.22.5101	100u	-20 %	25V, EI	
C....4	59.14.2474	470n	20 %	300VAC, X2, /I\	
C....5	59.14.3474	470n	20 %	300VAC, X2, /I\	
D....1	70.01.0216	DF 02 M	0.8 A	200V, BRIDGE RECTIFIER	GI
D....2	50.04.0125	1M448	0.15A	75V, RECTIFIER	ITT, NS, Ph, R-0, Tf
D....3	50.04.0125	1M448	0.15A	75V, RECTIFIER	ITT, NS, Ph, R-0, Tf
D....4	50.04.0518	MR754	6 A	400V, RECTIFIER	Mot
DL....1	50.04.2202	HLMPI790	GRN DIF	LED 3.18MM	HP, GI
DV....1	50.04.1112	5.1V	5 %	0.5 W, Z	ITT, Mot, Ph, Tf, SGS/Tho
DV....2	50.04.1112	5.1V	5 %	0.5 W, Z	ITT, Mot, Ph, Tf, SGS/Tho
DV....3	50.04.1117	12 V	5 %	0.5 W, Z	ITT, Mot, Ph, Tf, SGS/Tho
IC....1	50.05.0283	LM393		DIP08, DUAL COMPARATOR	NS, Ph, TI, SGS/Tho
IC....2	50.04.2148	CN165		DIL04, OPTOCOUPLER	Tf
J....1	54.25.0008		8-P	see note 1	
K....1	56.02.0201	SC842110	25 A	250 V, Solid State Relay /I\	CELDUC
L....1	62.03.0115		1 mH	15 A, COMMON MODE, /I\	Hartmann, Sie, Tokin
MP....1	1.820.830.14		1 pce	MAIN SOFT START PCB, /I\	St
MP....2	1.820.830.53		1 pce	LL MAIN SOFT START BOARD	St
MP....3	21.99.0117		2 pcs	Z-Schr. NYLON, M3 * 6	
MP....4	43.01.0108		1 pce	ESE-Warnschild	
MP....5	1.010.022.22		2 pcs	Nietmutter, M3 * 25	St
MP....6	1.010.053.22		4 pcs	Nietmutter, M3 * 24	St
MP....7	1.820.830.01		1 pce	Nr.-Etiketke, 5 * 20	
MP....8	1.820.830.04		1 pce	Isolation, MAIN SOFT START BOARD	St
MP....9	1.820.830.05		1 pce	Bezeichnungsschild, Anschlusse	St
P....1	54.02.0335		1-P	STR., MALE, FLATPIN 6.3*0.8	
P....2	54.02.0335		1-P	STR., MALE, FLATPIN 6.3*0.8	
P....3	54.02.0335		1-P	STR., MALE, FLATPIN 6.3*0.8	
P....4	54.02.0335		1-P	STR., MALE, FLATPIN 6.3*0.8	
P....5	54.02.0335		1-P	STR., MALE, FLATPIN 6.3*0.8	
P....6	54.02.0335		1-P	STR., MALE, FLATPIN 6.3*0.8	
P....7	54.02.0335		1-P	STR., MALE, FLATPIN 6.3*0.8	
P....8	54.02.0335		1-P	STR., MALE, FLATPIN 6.3*0.8	
P....9	54.14.2101		10-P	see note 2	
Q....1	50.03.0452	BD140-10	PNP	T0126-1	Ph, Tf, To, SGS/Tho
Q....2	50.03.0491	BC546B	NPN	T092-1	Ph, Sie
Q....3	50.03.0329	MP146	PFET	T092-6	Six
R....1	57.11.3821	820 Ohm	1 %	0.4W, MF	
R....2	57.11.3821	820 Ohm	1 %	0.4W, MF	
R....3	57.11.3474	470 Kohm	1 %	0.4W, MF	
R....4	57.11.3822	8.2 Kohm	1 %	0.4W, MF	
R....5	57.11.3103	10 Kohm	1 %	0.4W, MF	
R....6	57.11.3103	10 Kohm	1 %	0.4W, MF	
R....7	57.11.3103	10 Kohm	1 %	0.4W, MF	
R....8	57.11.3105	1 Mohm	1 %	0.4W, MF	
R....9	57.11.3105	1 Mohm	1 %	0.4W, MF	
R....10	57.11.3182	1.8 Kohm	1 %	0.4W, MF	
R....11	57.11.3153	15 Kohm	1 %	0.4W, MF	
R....12	57.11.3223	22 Kohm	1 %	0.4W, MF	
R....13	57.19.0102	1 Kohm	5 %	0.3W, Fusible Resistor, /I\	
R....14	57.11.3153	15 Kohm	1 %	0.4W, MF	
R....15	57.59.6150	15 Ohm	10 %	7 W, Wirewound Resistor with Fuse	
R....16	57.59.6150	15 Ohm	10 %	7 W, Wirewound Resistor with Fuse	
R....17	57.59.6150	15 Ohm	10 %	7 W, Wirewound Resistor with Fuse	
R....18	57.59.6150	15 Ohm	10 %	7 W, Wirewound Resistor with Fuse	
R....19	57.11.3154	150 Kohm	1 %	0.4W, MF	
R....20	57.11.3154	150 Kohm	1 %	0.4W, MF	

Note 1 - Connector, 8 contacts:
case: AMP Nr. 826 851-3

Note 2 - Connector, 10 contacts:
case: Siemens Nr. V 23535 - A 2700 - A 102
Thomas + Betts Nr. 501 - 1027 ES

MF = Metal Film, PEP = Polyesterfilm, EI = Electrolytic,
MANUFACTURER: GI=General Instruments, HP=Hewlett Packard, St=Studer,
IR=International Rectifier, ITT=Intermetall, Mot=Motorola,
NS=National Semiconductors, Ph=Phillips, R-0=R-Ohm,
SGS=SGS/Rtes, Sie=Siemens, Six=Sixl contacts, T=Telefunken,
Tho=Thomson, TI=Texas Instruments, To=Toshiba.

1.820.830.84 MAIN SOFT START BOARD /I\ GP 93/08/0400

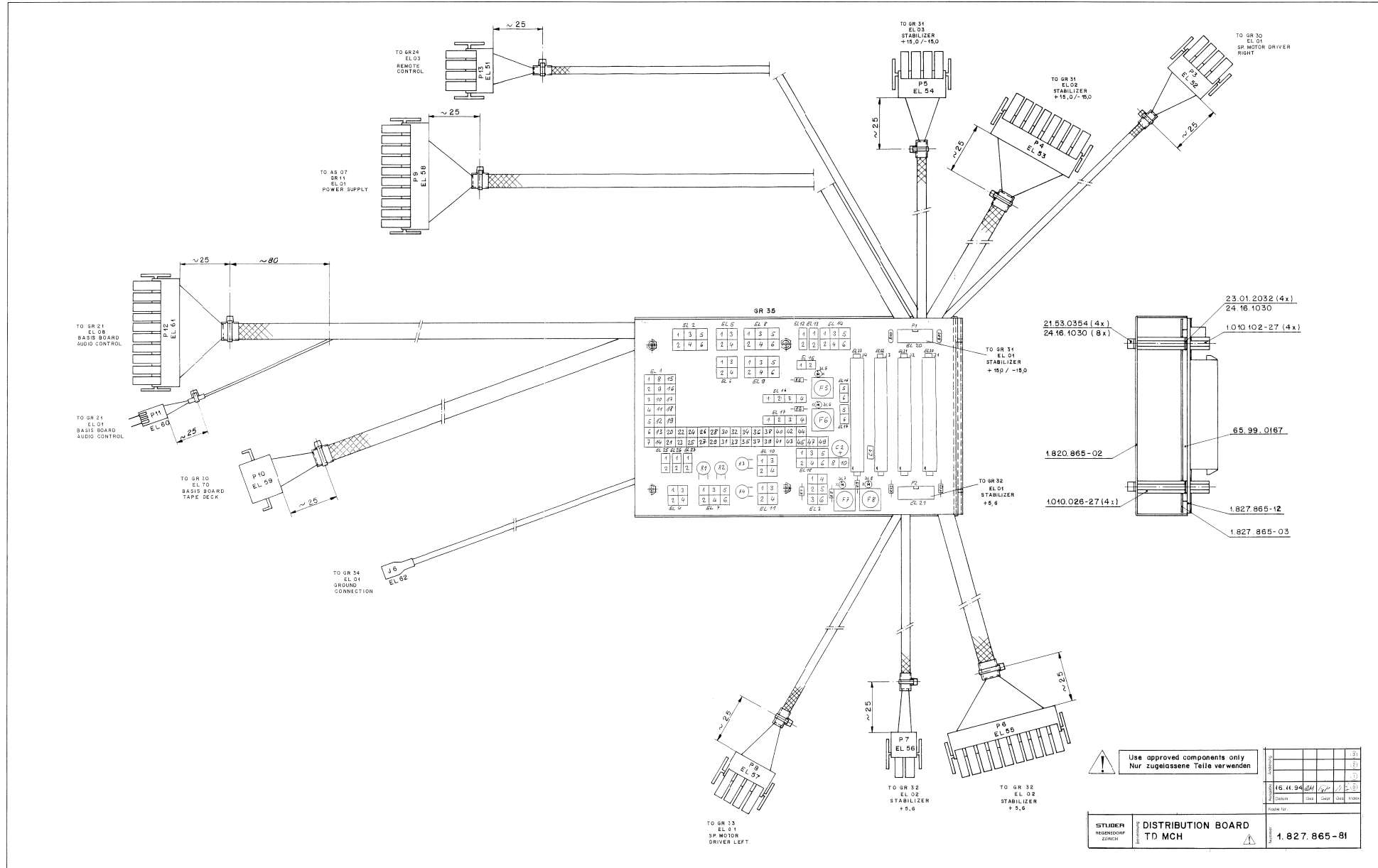
Angabe	Angabe				
6.9.93	ZW				
Datum	Gez	Gepr	Gez	Instr	
Kopie Nr.					

STUDER
REGENDORF
ZÜRICH

Bezeichnung: Mains Soft Start Board ESE

Nummer: 1.820.830-84

DISTRIBUTION BOARD TD MCH 1.827.865.81





DISTRIBUTION BOARD TD MCH 1.827.865.81

Ad	..POS..	...REF.No...	DESCRIPTION.....	MANUFACTURER	Ad	..POS..	...REF.No...	DESCRIPTION.....	MANUFACTURER
C.....1		59.06.0104	100 nF	10% 50V PETP					
C.....2		59.22.3221	220 uF	-20% 10V EL					
DL....5		50.04.2129	LS3160	LED red d=3 mm					
DL....6		50.04.2129	LS3160	LED red d=3 mm					
DL....7		50.04.2129	LS3160	LED red d=3 mm					
DL....8		50.04.2129	LS3160	LED red d=3 mm					
F.....5		51.01.0121	T2.5 A	L250V Fuse 5*20 /!\					
F.....6		51.01.0121	T2.5 A	L250V Fuse 5*20 /!\					
F.....7		51.01.0118	T1.25A	L250V Fuse 5*20 /!\					
F.....8		51.01.0118	T1.25A	L250V Fuse 5*20 /!\					
J.....1		54.25.0010		AMP nr. 826852-3					
J.....2		54.25.0010		AMP nr. 826852-3					
J.....3		54.25.0010		AMP nr. 826852-3					
J.....4		54.25.0010		AMP nr. 826852-3					
MP....1		1.827.865.12	1 pce	Distribution PCB /!\					
MP....2		1.827.865.10	1 pce	Nr. Label					
MP....3		1.827.865.93	1 pce	Wiring List /!\					
MP....4		1.010.119.51	2 pcs	Fuse Label 5*20 (T2.50A)					
MP....5		1.010.116.51	2 pcs	Fuse Label 5*20 (T1.25A)					
P.....1		54.14.2001	10 Pole	see note 1					
P.....2		54.14.2001	10 Pole	see note 1					
P.....3		00.00.0000	4 Pole	see note 3					
P.....4		00.00.0000	8 Pole	see note 4					
P.....5		00.00.0000	4 Pole	see note 3					
P.....6		00.00.0000	10 Pole	see note 5					
P.....7		00.00.0000	2 Pole	see note 2					
P.....8		00.00.0000	4 Pole	see note 3					
P.....9		00.00.0000	10 Pole	see note 6					
P.....10		54.02.0416	24 Pole	Mollex nr. 03-06-1241					
P.....11		54.01.0260	3 Pole	AMP nr. 163.690-1					
P.....12		00.00.0000	10 Pole	see note 7					
P.....13		00.00.0000	4 Pole	see note 3					
R.....1		57.92.7014	650 mA	60V, PTC					
R.....2		57.92.7014	650 mA	60V, PTC					
R.....3		57.92.7012	300 mA	60V, PTC					
R.....4		57.92.7012	300 mA	60V, PTC					
R.....5		57.11.3152	1.5 kOhm	1%, 0.25W, MF					
R.....6		57.11.3152	1.5 kOhm	1%, 0.25W, MF					
R.....7		57.11.3103	10 kOhm	1%, 0.25W, MF					
R.....8		57.11.3103	10 kOhm	1%, 0.25W, MF					
R.....9		57.11.3103	10 kOhm	1%, 0.25W, MF					
R.....10		57.92.7014	650 mA	60V, PTC					
R.....11		57.92.7014	650 mA	60V, PTC					
R.....12		57.19.0109	1 Ohm	5%, 0.33W /!\ fusible resistor					
R.....13		57.10.0100	1 Ohm	5%, 0.33W /!\ fusible resistor					
XF....5		53.03.0148	5 * 20	Fuse Holder /!\					
XF....6		53.03.0148	5 * 20	Fuse Holder /!\					
XF....7		53.03.0148	5 * 20	Fuse Holder /!\					
XF....8		53.03.0148	5 * 20	Fuse Holder /!\					
PETP = Polyesterfilm, E1 = Electrolytic.									
Note 1 - Connector, 10 contacts: case: Studer nr. 54.14.2001 Yamaichi nr. FAP-10-08-40SS Burndy nr. BPH 9 B10 B00 GS 3M nr. 7610-6002 VZ									
Note 2 - Connector, 2 Contacts: case: Studer nr. 54.25.0302 AMP nr. 350777-1 pin: Studer nr. 54.25.0402 AMP nr. 926899-1									
Note 3 - Connector, 4 Contacts: case: Studer nr. 54.25.0304 AMP nr. 926298-3, 926298-1 pin: Studer nr. 54.25.0402 AMP nr. 926899-1									
Note 4 - Connector, 8 contacts: case: Studer nr. 54.25.0308 AMP nr. 926301-3 pin: Studer nr. 54.25.0402 AMP nr. 926899-1									
Note 5 - Connector, 10 contacts: case: Studer nr. 54.25.0310 AMP nr. 926302-3 pin: Studer nr. 54.25.0402 AMP nr. 926899-1									
Note 6 - Connector, 10 contacts: case: Studer nr. 54.25.0310 AMP nr. 926302-3 8 pins: Studer nr. 54.25.0402 AMP nr. 926899-1 1 pin : Studer nr. 54.25.0401 AMP nr. 926887-1									

Note 7 - Connector, 10 contacts:
 case: Studer nr. 54.25.0310
 AMP nr. 926302-3
 6 pins: Studer nr. 54.25.0402
 AMP nr. 926899-1
 1 pin : Studer nr. 54.25.0401
 AMP nr. 926887-1

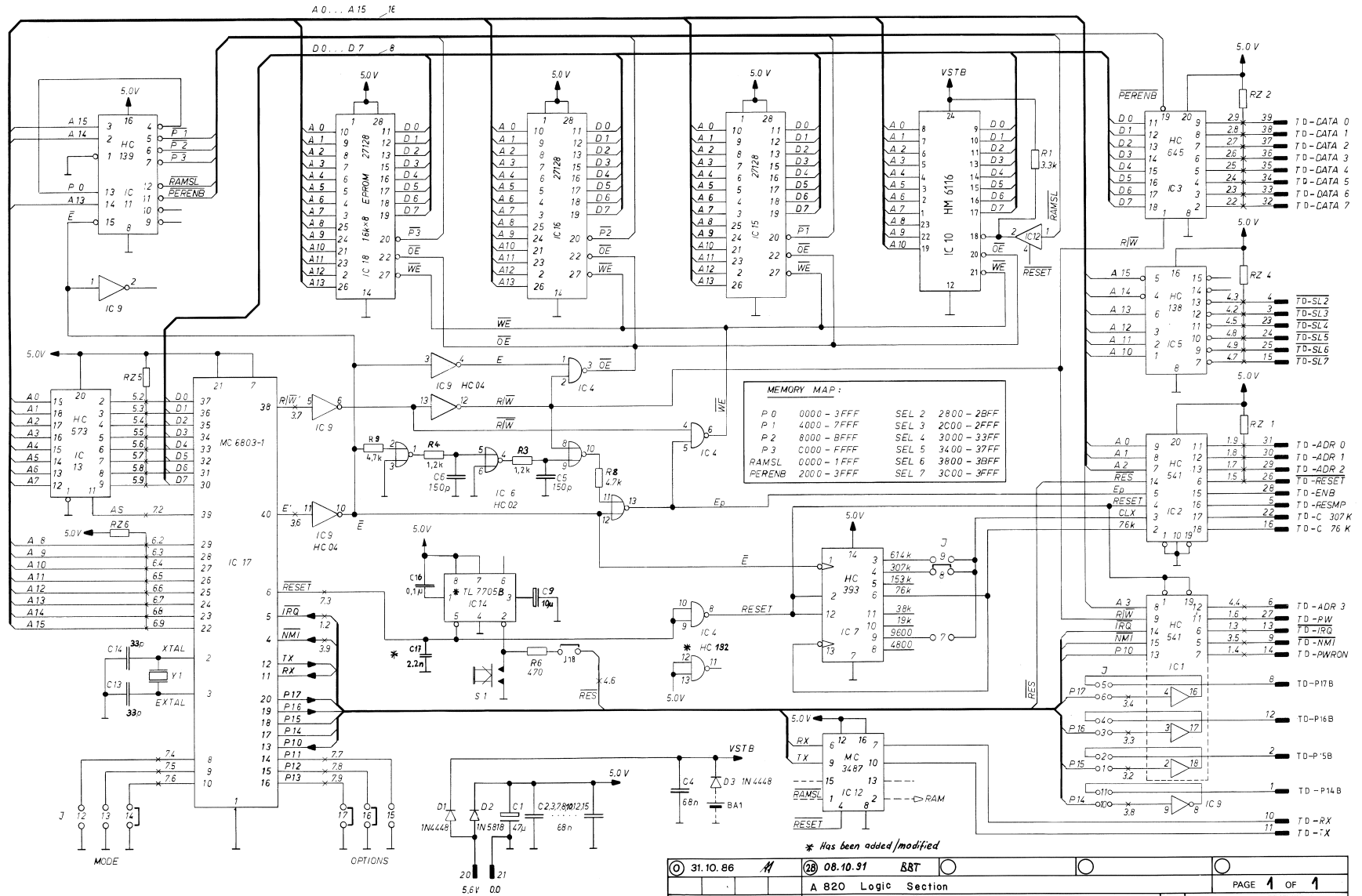
1.827.865.81 DISTRIBUTION BOARD TD MCH /!\ GP 94/31/1000

END

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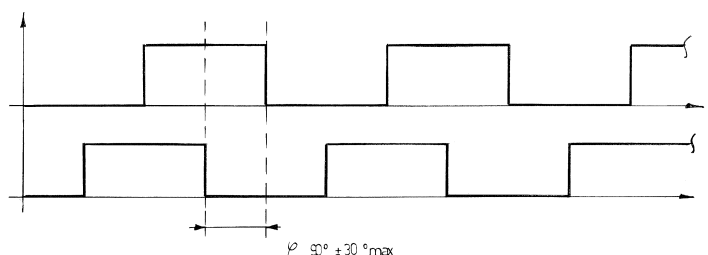
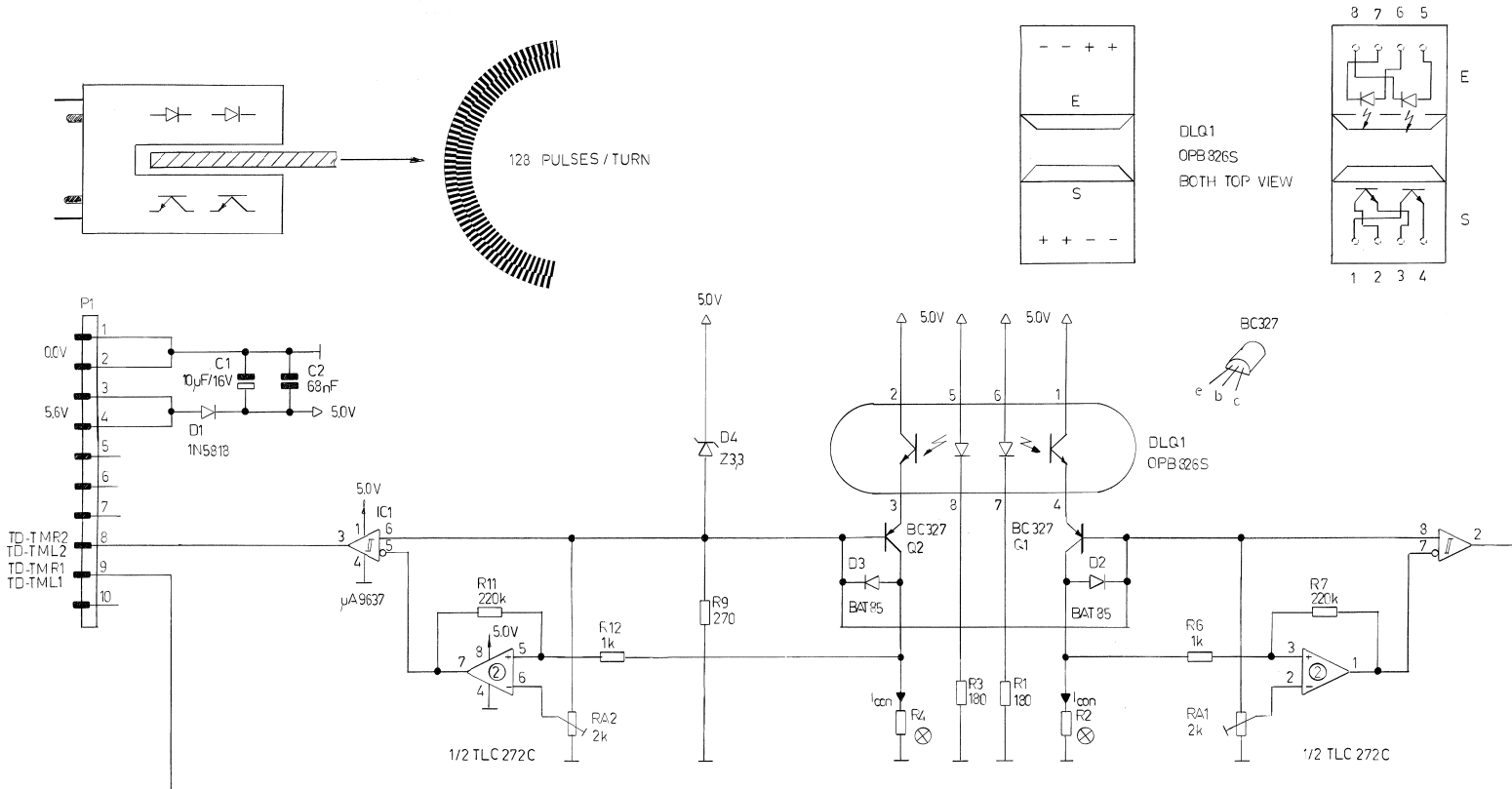


MP UNIT TAPE DECK CONTROL MCH 1.820.781.31





MOTOR TACHO 1.820.771.84

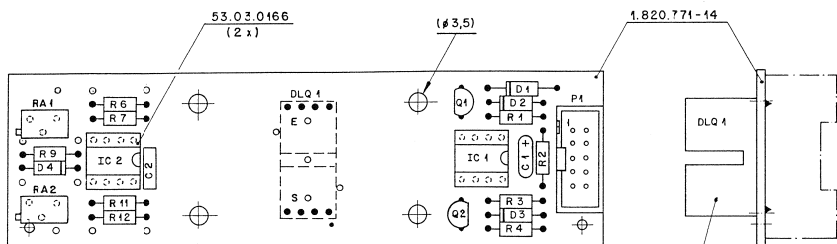


⊗ R2 / R4 factory adjusted according to following table
 coupling measured without tachometer disk
 I_{con} measurement R2 / R4 replaced by digital milliamperemeter

I_{con}	250 μ A	360 μ A	520 μ A	720 μ A	107 mA	155 mA	2.2 mA	3.1 mA	4.6 mA	6.5 mA	10 mA
R2 / R4	7k5	5k1	3k6	2k4	1k6	1k2	820	560	390	270	



MOTOR TACHO 1.820.771.84



DLQ4 satt aufliegend auf Lötseite montiert. Nach der Montage, beschichtet mit Epoxid - Lack nach BV 682. Hierbei 4 Bohrungen ø 3,5 abgedeckt mit Klebband (müssen frei bleiben von Lack).

Ad ...POS... REF.No... DESCRIPTION.....MANUFACTURER

C....1	59.26.2100	10 uF	20%, 16V, SaI		
C....2	59.06.0683	68 nF	10%, 63V, PETP		
C....3	00.00.0000	not used			
C....4	00.00.0000	not used			
D....1	50.04.0532	1N 5918	1N 5918		Mo
D....2	50.04.0127	BAT 85	BAT 85, BKS 40-02,		Ph,Sie,Tho
D....3	50.04.0127	BAT 42	BAT 85, BKS 40-02,		Ph,Sie,Tho
D....4	50.04.1107	3,3V Z	BZX 55-C3V3		ITT,Mot,Ph,11,Tho
DLQ...1	50.99.0166	OPB 826			Op
IC....1	50.15.0114	uA9637ACP	9637 ATC		Fc,TI
IC....2	50.05.0286	LM 358 N	LM 358 P		NS,Mot,SGS,TI
IC....2	50.09.0122	T.C 272 C	TS 272 CN		SGS,TI
P....1	54.14.2001	10 cont.	see note 1		
Q....1	50.03.0351	BC 327-25			ITT,Ph,Sie
Q....2	50.03.0351	BC 327-25			ITT,Ph,Sie
R....1	57.11.3181	180 Ohm	1%		
R....2	00.00.0000	factory	adjusted		
R....3	57.11.3181	180 Ohm	1%		
R....4	00.00.0000	factory	adjusted		
R....5	00.00.0000	not used			
R....6	57.11.3102	1 kOhm	1%		
R....7	57.11.3224	220 kOhm	1%		
R....8	00.00.0000	not used			
R....9	57.11.3271	270 Ohm	1%		
R....10	00.00.0000	not used			
R....11	57.11.3224	220 kOhm	1%		
R....12	57.11.3102	1 kOhm	1%		
R....13	00.00.0000	not used			
RA....1	58.05.0202	2 kOhm	10%, multi turn		
RA....2	58.05.0202	2 kOhm	10%, multi turn		

(01) 11.01.90 Printout error

Note 1 - Connector 10 contacts:
 Yamichi nr. FAP-10-08-0SS
 Burndy nr. BPH 9 B10 800 GS
 3M nr. 7610-6002 VZ

El=Electrolytic, SaI=Solid aluminium

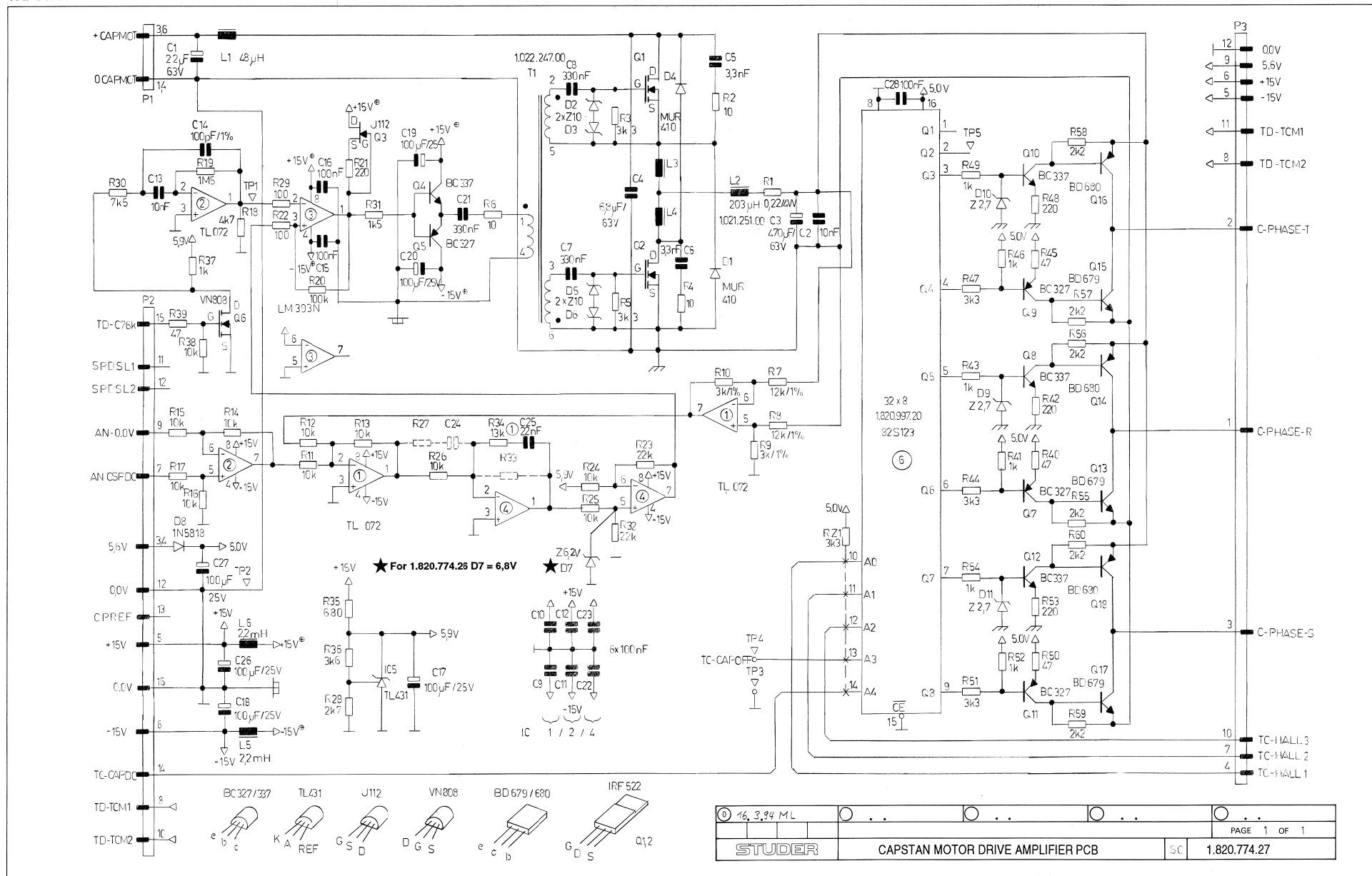
MANUFACTURER: Fc=fairchild, IT=Intermetall, Mot=Motorola, NS=National
 Semiconductor, Op=Opton, Ph=Philips, SGS=SGS/Ates,
 Sie=Siemens, Tf=Telefunken, Tho=Thomson, TI=Texas Instrument.

1.820.771.83 MOTOR TACHO PZ 89/11/1500
 1.820.771.83 MOTOR TACHO PZ 90/01/1101

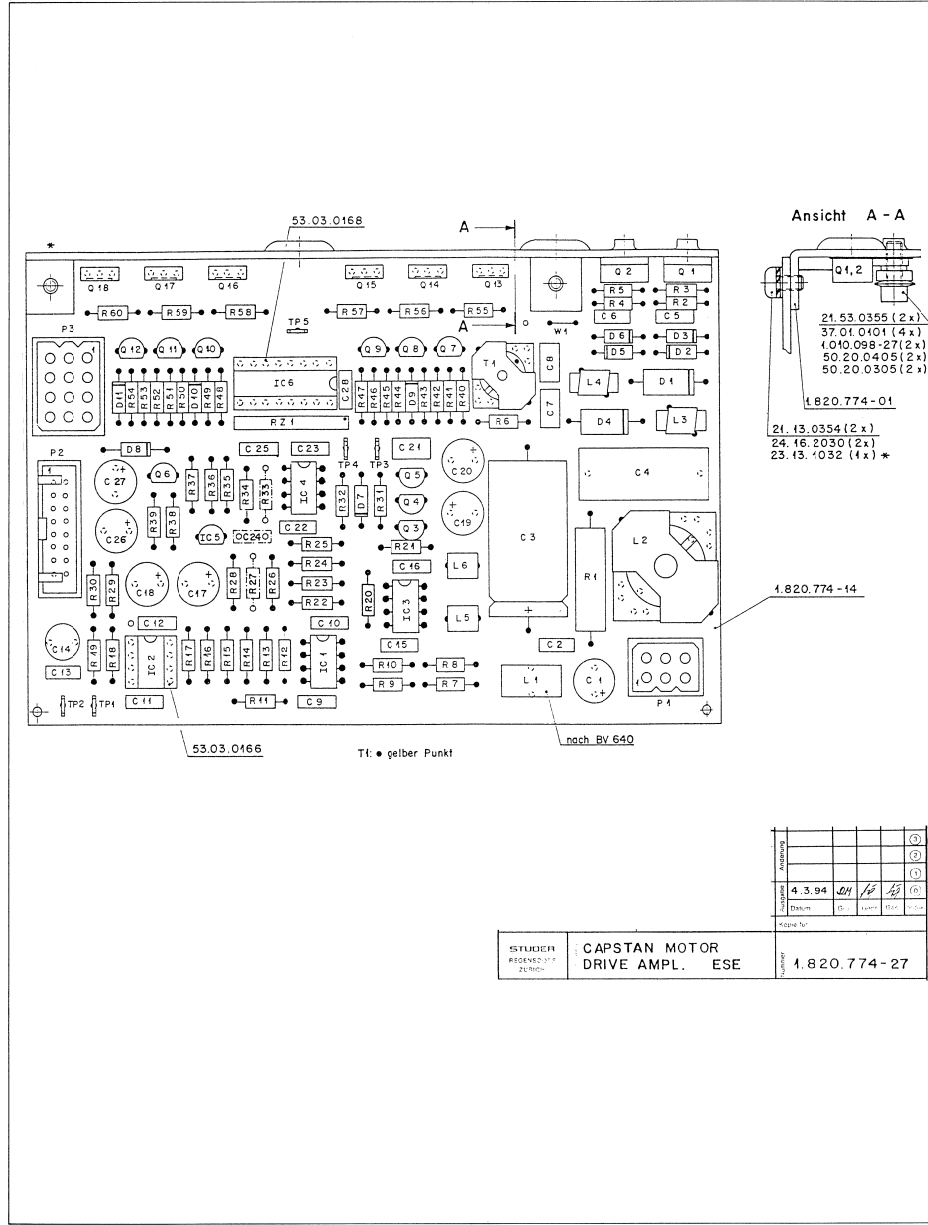
Abbildung					
Material	NO. 3. 92	PZ	89/11	1500	(01)
Prüfung					
Körper Nr.					

STUDER REGENSBRUNN ZÜRICH	MOTOR TACHO BOARD ESE	1.820.771-84
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CAPSTAN MOTOR DRIVE AMPLIFIER PCB 1.820.774.26 / 1.820.774.27



CAPSTAN MOTOR DRIVE AMPLIFIER PCB 1.820.774.26 / 1.820.774.27

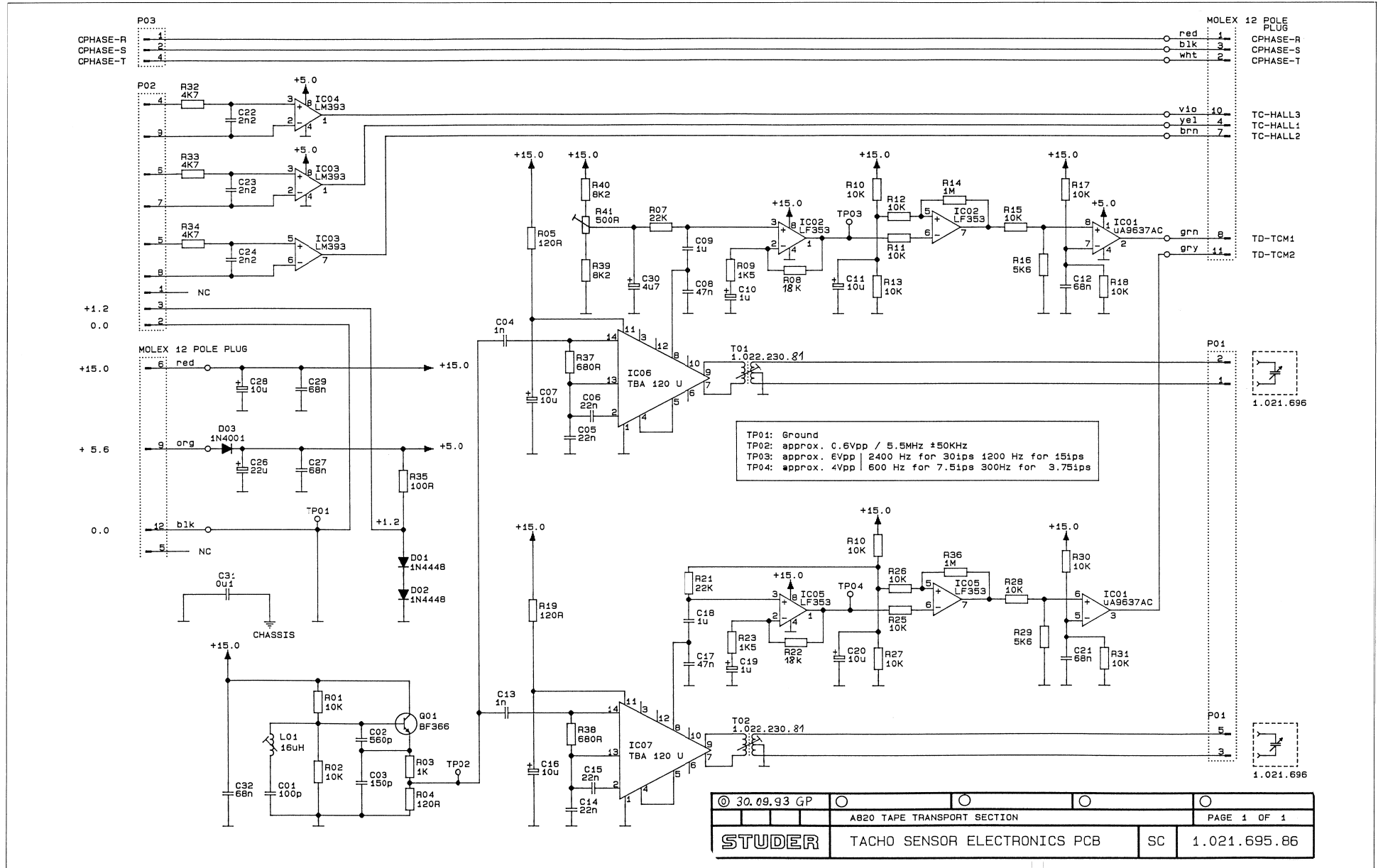


Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.22.8220	22 uF	-20%, 63V, EL	
C....2	59.06.0103	10 nF	10%, 63V, PETP	
C....3	59.25.6471	470 uF	-20%, 63V, EL	
C....4	59.02.0685	6.8 uF	5%, 63V, MPC	
C....5	59.06.0332	3.3 nF	10%, 63V, PETP	
C....6	59.06.0332	3.3 nF	10%, 63V, PETP	
C....7	59.06.0334	330 nF	10%, 63V, PETP	
C....8	59.06.0334	330 nF	10%, 63V, PETP	
C....9	59.06.0104	100 nF	10%, 63V, PETP	
C....10	59.06.0104	100 nF	10%, 63V, PETP	
C....11	59.06.0104	100 nF	10%, 63V, PETP	
C....12	59.06.0104	100 nF	10%, 63V, PETP	
C....13	59.06.0103	10 nF	10%, 63V, PETP	
C....14	59.05.1101	100 pF	1%, 63V, PP	
C....15	59.06.0104	100 nF	10%, 63V, PETP	
C....16	59.06.0104	100 nF	10%, 63V, PETP	
C....17	59.22.5101	100 uF	-20%, 25V, EL	
C....18	59.22.5101	100 uF	-20%, 25V, EL	
C....19	59.22.5101	100 uF	-20%, 25V, EL	
C....20	59.22.5101	100 uF	-20%, 25V, EL	
C....21	59.06.0334	330 nF	10%, 63V, PETP	
C....22	59.06.0104	100 nF	10%, 63V, PETP	
C....23	59.06.0104	100 nF	10%, 63V, PETP	
C....24	00.00.0000	not used		
C....25	59.06.0223	22 nF	10%, 63V, PETP	
C....26	59.22.5101	100 uF	-20%, 25V, EL	
C....27	59.22.5101	100 uF	-20%, 25V, EL	
C....28	59.06.0104	100 nF	10%, 63V, PETP	
D....1	50.04.0521	MUR 410		Mot, GI
D....2	50.04.1216	Z 10 V	5k, 1.3M	ITT, Mot, Ph, Tf, SGS
D....3	50.04.1216	Z 10 V	5k, 1.3M	ITT, Mot, Ph, Tf, SGS
D....4	50.04.0521	MUR 410		Mot, GI
D....5	50.04.1216	Z 10 V	5k, 1.3M	ITT, Mot, Ph, Tf, SGS
D....6	50.04.1216	Z 10 V	5k, 1.3M	ITT, Mot, Ph, Tf, SGS
D....7	50.04.1118	Z 6.2 V	5k, .40M	ITT, Mot, Ph, Tf, SGS
D....8	50.04.1216	Z 10 V	5k, .40M	ITT, Mot, Ph, Tf, SGS
D....9	50.04.1106	Z 2.7 V	5k, .40M	ITT, Mot, Ph, Tf, SGS
D....10	50.04.1106	Z 2.7 V	5k, .40M	ITT, Mot, Ph, Tf, SGS
D....11	50.04.1106	Z 2.7 V	5k, .40M	ITT, Mot, Ph, Tf, SGS
IC....1	50.09.0101	TL 072 CP		Mot, Tf, NS
IC....2	50.09.0101	TL 072 CP		Mot, Tf, NS
IC....3	50.05.0283	LM 393		NS, Sig, Tf, Tho
IC....4	50.09.0101	TL 072 CP		Mot, Tf, NS
IC....5	50.10.1006	TL 431CP		Mot, Tf
IC....6	1.820.997.20			Commutation logic device
L....1	62.03.0010	48 uH		2 A, filter
L....2	1.022.251.00	203 uH		Filtercoil
L....3	62.99.0113	1.0 uH		
L....4	62.99.0113	1.0 uH		
L....5	62.02.3222	2.2 mH	10%, Rad, RM 5	
L....6	62.02.3222	2.2 mH	10%, Rad, RM 5	
P....1	54.02.0418	Connector	6 contacts, MOLEX, see note 2	
P....2	54.14.2102	Connector	16 contacts, latch, flat cable	
P....3	54.02.0408	Connector	12 contacts, MOLEX, see note 1	
Q....1	50.03.1502	IRF 522	MTP 8810	IR, Mot
Q....2	50.03.1502	IRF 522	MTP 8810	IR, Mot
Q....3	50.03.0350	J-112		Mot
Q....4	50.03.0340	BC 337-25		ITT, Ph, Sie
Q....5	50.03.0351	BC 327-25		ITT, Ph, Sie
Q....6	50.03.1505	VN 0808 M	ZVN 0108 A	Fe, Six
Q....7	50.03.0351	BC 327-25		ITT, Ph, Sie
Q....8	50.03.0340	BC 337-25		ITT, Ph, Sie
Q....9	50.03.0351	BC 327-25		ITT, Ph, Sie
Q....10	50.03.0340	BC 337-25		ITT, Ph, Sie
Q....11	50.03.0351	BC 327-25		ITT, Ph, Sie
Q....12	50.03.0340	BC 337-25		ITT, Ph, Sie
Q....13	50.03.0749	80 679	see note 3	Ph
Q....14	50.03.0749	80 680	see note 3	Ph
Q....15	50.03.0749	80 679	see note 3	Ph
Q....16	50.03.0799	80 680	see note 3	Ph
Q....17	50.03.0749	80 679	see note 3	Ph
Q....18	50.03.0799	80 680	see note 3	Ph
R....1	57.56.5228	0.22 Ohm	10%, 4 W, WW	
R....2	57.11.3100	10 Ohm	10%	
R....3	57.11.3332	3.3 kOhm	10%	
R....4	57.11.3100	10 Ohm	10%	
R....5	57.11.3332	3.3 kOhm	10%	
R....6	57.11.3100	10 Ohm	10%	
R....7	57.11.3123	12 kOhm	1%	
R....8	57.11.3123	12 kOhm	1%	
R....9	57.11.3302	3 kOhm	1%	
R....10	57.11.3302	3 kOhm	1%	
R....11	57.11.3103	10 kOhm	10%	
R....12	57.11.3103	10 kOhm	10%	
R....13	57.11.3103	10 kOhm	10%	
R....14	57.11.3103	10 kOhm	10%	
R....15	57.11.3103	10 kOhm	10%	
R....16	57.11.3103	10 kOhm	10%	
R....17	57.11.3103	10 kOhm	10%	
R....18	57.11.3472	4.7 kOhm	10%	
R....19	57.11.5155	1.5 kOhm	10%	
R....20	57.11.3104	100 kOhm	10%	
R....21	57.11.3221	220 Ohm	10%	
R....22	57.11.3101	100 Ohm	10%	
R....23	57.11.3223	22 kOhm	10%	
R....24	57.11.3103	10 kOhm	10%	
R....25	57.11.3103	10 kOhm	10%	
R....26	57.11.3103	10 kOhm	10%	
R....27	00.00.0000	not used		
R....28	57.11.3272	2.7 kOhm	10%	
R....29	57.11.3101	100 Ohm	1%	
R....30	57.11.3752	7.5 kOhm	1%	
R....31	57.11.3152	1.5 kOhm	10%	
R....32	57.11.3223	22 kOhm	10%	
R....33	00.00.0000	not used		
R....34	57.11.3133	13 kOhm	1%	
R....35	57.11.3481	680 Ohm	10%	
R....36	57.11.3362	3.6 kOhm	1%	
R....37	57.11.3102	1 kOhm	10%	
R....38	57.11.3103	10 kOhm	10%	
R....39	57.11.3470	47 Ohm	10%	
R....40	57.11.3470	47 Ohm	10%	
R....41	57.11.3102	1 kOhm	10%	
R....42	57.11.3221	220 Ohm	10%	
R....43	57.11.3102	1 kOhm	10%	
R....44	57.11.3332	3.3 kOhm	10%	
R....45	57.11.3470	47 Ohm	10%	
R....46	57.11.3102	1 kOhm	10%	
R....47	57.11.3332	3.3 kOhm	10%	
R....48	57.11.3221	220 Ohm	10%	
R....49	57.11.3102	1 kOhm	10%	
R....50	57.11.3470	47 Ohm	10%	
R....51	57.11.3332	3.3 kOhm	10%	
R....52	57.11.3102	1 kOhm	10%	
R....53	57.11.3221	220 Ohm	10%	
R....54	57.11.3102	1 kOhm	10%	
R....55	57.11.3222	2.2 kOhm	10%	
R....56	57.11.3222	2.2 kOhm	10%	
R....57	57.11.3222	2.2 kOhm	10%	
R....58	57.11.3222	2.2 kOhm	10%	
R....59	57.11.3222	2.2 kOhm	10%	
R....60	57.11.3222	2.2 kOhm	10%	
RZ....1	57.88.4332	Network	8 * 3.3 kOhm, 2%, SIP 9	
T....1	1.022.247.00		Drive Transformer	St
TP....1	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
TP....2	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
TP....3	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
TP....4	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
TP....5	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
W....1	1.010.321.64		Wire bridge	

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
R....23	57.11.3223	22 kOhm	10%	
R....24	57.11.3103	10 kOhm	10%	
R....25	57.11.3103	10 kOhm	10%	
R....26	57.11.3103	10 kOhm	10%	
R....27	00.00.0000	not used		
R....28	57.11.3272	2.7 kOhm	10%	
R....29	57.11.3101	100 Ohm	1%	
R....30	57.11.3752	7.5 kOhm	1%	
R....31	57.11.3152	1.5 kOhm	10%	
R....32	57.11.3223	22 kOhm	10%	
R....33	00.00.0000	not used		
R....34	57.11.3133	13 kOhm	1%	
R....35	57.11.3481	680 Ohm	10%	
R....36	57.11.3362	3.6 kOhm	1%	
R....37	57.11.3102	1 kOhm	10%	
R....38	57.11.3103	10 kOhm	10%	
R....39	57.11.3470	47 Ohm	10%	
R....40	57.11.3470	47 Ohm	10%	
R....41	57.11.3102	1 kOhm	10%	
R....42	57.11.3221	220 Ohm	10%	
R....43	57.11.3102	1 kOhm	10%	
R....44	57.11.3332	3.3 kOhm	10%	
R....45	57.11.3470	47 Ohm	10%	
R....46	57.11.3102	1 kOhm	10%	
R....47	57.11.3332	3.3 kOhm	10%	
R....48	57.11.3221	220 Ohm	10%	
R....49	57.11.3102	1 kOhm	10%	
R....50	57.11.3470	47 Ohm	10%	
R....51	57.11.3332	3.3 kOhm	10%	
R....52	57.11.3102	1 kOhm	10%	
R....53	57.11.3221	220 Ohm	10%	
R....54	57.11.3102	1 kOhm	10%	
R....55	57.11.3222	2.2 kOhm	10%	
R....56	57.11.3222	2.2 kOhm	10%	
R....57	57.11.3222	2.2 kOhm	10%	
R....58	57.11.3222	2.2 kOhm	10%	
R....59	57.11.3222	2.2 kOhm	10%	
R....60	57.11.3222	2.2 kOhm	10%	
RZ....1	57.88.4332	Network	8 * 3.3 kOhm, 2%, SIP 9	
T....1	1.022.247.00		Drive Transformer	St
TP....1	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
TP....2	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
TP....3	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
TP....4	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
TP....5	54.02.0320	Connector	1 contact, 2.8*0.8, flat	
W....1	1.010.321.64		Wire bridge	
Note 1 - Connector,	Case:	Studier Nr.	54.02.0408	
	Contact pin:	Studier Nr.	54.02.0406	
		Molex Nr.	02-06-8103	
Note 2 - Connector,	Case:	Studier Nr.	54.02.0418	
	Contact pin:	Studier Nr.	54.02.0406	
		Molex Nr.	02-06-8103	
Note 3 - For excellent wow and flutter values at 3.75 ips the NPN -				
respective the PNP - Transistors should be from the same				
type and manufacturer.				
Ce=Ceramic, El=Electrolytic, PETP=Polyester Film, PP=Polypropylen				
MANUFACTURER: Ex=Exar, Fe=Ferranti, GI=General Instruments,				
ITT=Intermetall, IPS=Integrated Power Semiconductors Ltd.,				
MW=Monolithic Memory Inc., Mot=Motorola,				
NS=National Semiconductors, Ph=Philips, Ra=Raytheon,				
RC=Radio Corporation of America, Sie=Siemens, Sig=Signetics,				
Ses=Sensocon, Sies=Siliconix, SGS=SGS-Ates, St=Studer,				
Tf=Telefunken, TI=Texas Instruments, To=Toshiba.				
1.820.774.27 CAP. MOT. DRIVE AMP. BOARD ML 94/02/2400				

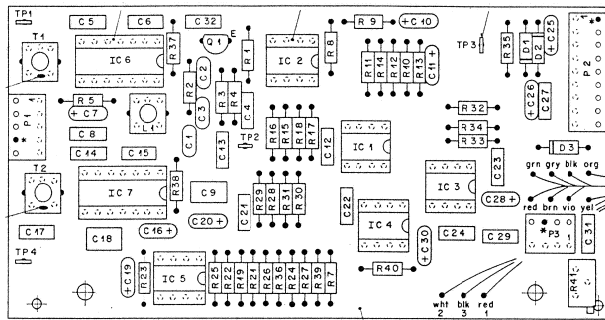


TACHO SENSOR ELECTRONICS PCB 1.021.695.86



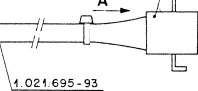


TACHO SENSOR ELECTRONICS PCB 1.021.695.86



1 = red 7 = brn
 2 = wht 8 = grn
 3 = blk 9 = org
 4 = yel 10 = vio
 5 leer 11 = gr
 6 = red 12 = blk

Ansicht A



Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.34.4101	10Cp	CER 63V, 5%, N750
0	C 2	59.34.5561	56Cp	CER 63V, 5%, N1500
0	C 3	59.34.4151	15Cp	CER 63V, 5%, N750
0	C 4	59.06.0102	1nC	PETP, 63V, 10%, RM5
0	C 5	59.06.0223	22r	PETP, 63V, 10%, RM5
0	C 6	59.06.0223	22r	PETP, 63V, 10%, RM5
0	C 7	59.26.2100	10L	SAL, 20%, 16V
0	C 8	59.06.0473	47r	PETP, 63V, 10%, RM5
0	C 9	59.06.0105	1uC	PETP, 50V, 10%, RM5
0	C 10	59.26.9109	1u	SAL, 20%, 40V
0	C 11	59.26.2100	10L	SAL, 20%, 16V
0	C 12	59.06.0683	68r	PETP, 63V, 10%, RM5
0	C 13	59.06.0102	1nC	PETP, 63V, 10%, RM5
0	C 14	59.06.0223	22r	PETP, 63V, 10%, RM5
0	C 15	59.06.0223	22r	PETP, 63V, 10%, RM5
0	C 16	59.26.2100	10L	SAL, 20%, 16V
0	C 17	59.06.0473	47r	PETP, 63V, 10%, RM5
0	C 18	59.06.0105	1uC	PETP, 50V, 10%, RM5
0	C 19	59.26.9109	1u	SAL, 20%, 40V
0	C 20	59.26.2100	10L	SAL, 20%, 16V
0	C 21	59.06.0683	68r	PETP, 63V, 10%, RM5
0	C 22	59.06.0222	2n2	PETP, 63V, 10%, RM5
0	C 23	59.06.0222	2n2	PETP, 63V, 10%, RM5
0	C 24	59.06.0222	2n2	PETP, 63V, 10%, RM5
0	C 25	59.26.1220	22L	SAL, 20%, 10V
0	C 26	59.26.1220	22L	SAL, 20%, 10V
0	C 27	59.06.0683	68r	PETP, 63V, 10%, RM5
0	C 28	59.26.2100	10L	SAL, 20%, 16V
0	C 29	59.06.0683	68r	PETP, 63V, 10%, RM5
0	C 30	59.26.1479	4u7	SAL, 20%, 10V
0	C 31	59.06.0104	10nC	PETP, 63V, 10%, RM5
0	C 32	59.06.0683	68r	PETP, 63V, 10%, RM5
0	D 1	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35
0	D 2	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35
0	D 3	50.04.0122	1N4001	1A, DO-41
0	IC 1	50.15.0114	9657	Dual diff Line Receiver
0	IC 2	50.09.0101	TL072	IC TL 072 CN .A
0	IC 3	50.05.0283	LM393	Dual Comparator
0	IC 4	50.05.0283	LM393	Dual Comparator
0	IC 5	50.09.0101	TL072	IC TL 072 CN .A
0	IC 6	50.11.0151	TBA120U	IC TBA 120 UV/5
0	IC 7	50.11.0151	TBA120U	IC TBA 120 UV/5
0	L 1	1.022.222.00	L16mH	HF-DROSSEL 16 MH
0	P 1	54.01.0288	5-P	J LEISTE 5 POL C15 AUFST.
0	P 2	54.01.0217	9-P	J LEISTE 9 POL C15 AUFST.
0	P 3	54.01.0241	4-P	J LEISTE 4 POL C15 AUFST.
0	Q 1	50.03.0514	BF366	BF 366 NPN
0	R 1	57.11.3103	10k	MF, 1%, 0207
0	R 2	57.11.3103	10k	MF, 1%, 0207
0	R 3	57.11.3102	10k	MF, 1%, 0207
0	R 4	57.11.3121	120R	MF, 1%, 0207
0	R 5	57.11.3121	120R	MF, 1%, 0207
0	R 6	not used	not used	not used
0	R 7	57.11.3223	22k	MF, 1%, 0207
0	R 8	57.11.3183	18k	MF, 1%, 0207
0	R 9	57.11.3152	1k5	MF, 1%, 0207
0	R 10	57.11.3103	10k	MF, 1%, 0207
0	R 11	57.11.3103	10k	MF, 1%, 0207
0	R 12	57.11.3103	10k	MF, 1%, 0207
0	R 13	57.11.3103	10k	MF, 1%, 0207
0	R 14	57.11.3105	1M0	MF, 1%, 0207
0	R 15	57.11.3103	10k	MF, 1%, 0207
0	R 16	57.11.3562	5k6	MF, 1%, 0207
0	R 17	57.11.3103	10k	MF, 1%, 0207
0	R 18	57.11.3103	10k	MF, 1%, 0207
0	R 19	57.11.3121	120R	MF, 1%, 0207
0	R 20	not used	not used	not used
0	R 21	57.11.3223	22k	MF, 1%, 0207
0	R 22	57.11.3183	18k	MF, 1%, 0207
0	R 23	57.11.3152	1k5	MF, 1%, 0207
0	R 24	57.11.3103	10k	MF, 1%, 0207
0	R 25	57.11.3103	10k	MF, 1%, 0207
0	R 26	57.11.3103	10k	MF, 1%, 0207
0	R 27	57.11.3103	10k	MF, 1%, 0207
0	R 28	57.11.3103	10k	MF, 1%, 0207
0	R 29	57.11.3562	5k6	MF, 1%, 0207
0	R 30	57.11.3103	10k	MF, 1%, 0207

Idx. Pos.	Part No.	Qty.	Type/Val.	Description
0	R 31	57.11.3103	10k	MF, 1%, 0207
0	R 32	57.11.3472	4k7	MF, 1%, 0207
0	R 33	57.11.3472	4k7	MF, 1%, 0207
0	R 34	57.11.3472	4k7	MF, 1%, 0207
0	R 35	57.11.3101	100R	MF, 1%, 0207
0	R 36	57.11.3105	1M0	MF, 1%, 0207
0	R 37	57.11.3681	680R	MF, 1%, 0207
0	R 38	57.11.3681	680R	MF, 1%, 0207
0	R 39	57.11.3822	8k2	MF, 1%, 0207
0	R 40	57.11.3822	8k2	MF, 1%, 0207
0	R 41	58.05.0501	500R	10%, 0.5W, Cermet
1	T 1	1.022.230.82	Trafo	DISKRIMINATORTRAFO
1	T 2	1.022.230.82	Trafo	DISKRIMINATORTRAFO
0	TP 1	29.21.6002	1-P	LOETOESE
0	TP 2	29.21.6002	1-P	LOETOESE
0	TP 3	29.21.6002	1-P	LOETOESE
0	TP 4	29.21.6002	1-P	LOETOESE

End of List

Comments:

- * Note 1: Pot. Bourns, Nr.: 3296 Z-1-501
 * Spectrol, Nr.: 64 Z 501 T 000
 * Murata, Nr.: Pot 3105 Z-1-501
- * Note 2: Plug. 5-Pin AMP, Nr.: --163.680-3
- * Note 3: Plug. 9-Pin AMP, Nr.: --163.680-7
- * Note 4: Plug. 3-Pin AMP, Nr.: --163.680-1
- * CE=Ceramic, EL=Electrolytic, PETP=Polyester Film
- * MANUFACTURER: Fc=Fairchild, G=General Instruments, ITT=Intermettal,
 * Mot=Motorola, NS=National Semiconductors, Ph=Philips,
 * Sie=Siemens, St=Studer, TI=Texas Instruments
- (01) T1+T2 -81 changed to -82

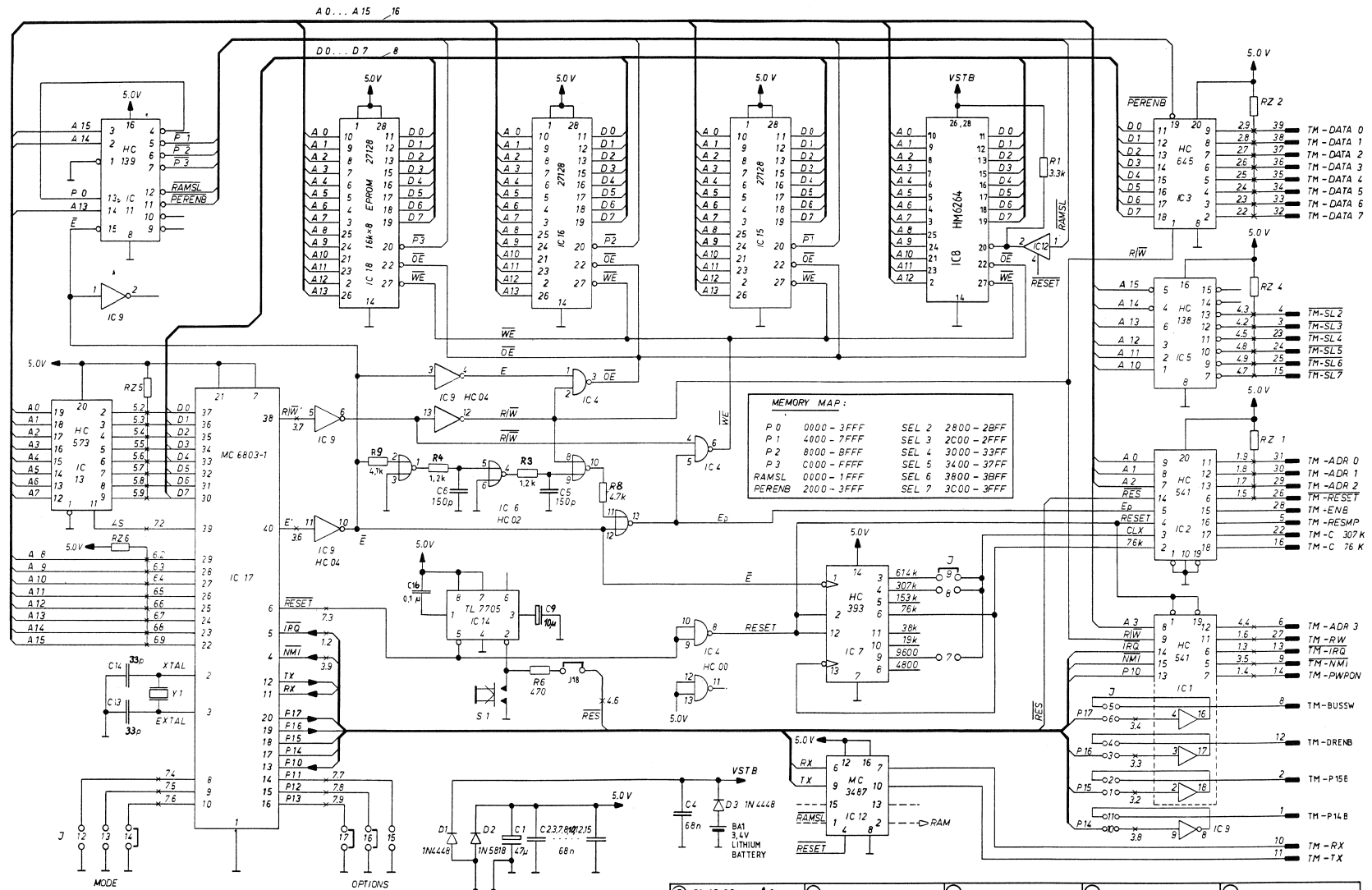
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30.9.93					
Datum	Sez	Gez	Gez	Indo	
Kopie für:					
Studer					
Regeisdorf					
Zürich					
Bezeichnung					
TACHO SENSOR					
EL. BOARD ESE					
Nummer:					
1.021.695-86					

STUDER
 REGEISDORF
 ZÜRICH

Bezeichnung
**TACHO SENSOR
 EL. BOARD ESE**

Nummer:
1.021.695-86

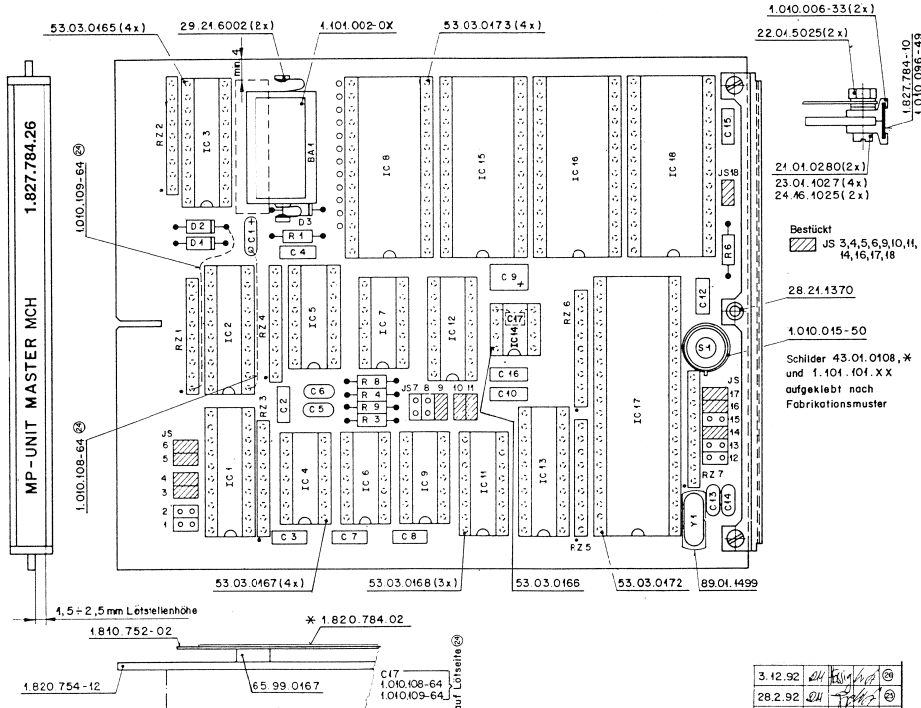
MP UNIT MASTER MCH 1.827.784.26



MEMORY MAP:

P 0	0000 - 3FFF	SEL 2	2800 - 2BFF
P 1	4000 - 7FFF	SEL 3	2C00 - 2FFF
P 2	8000 - BFFF	SEL 4	3000 - 33FF
P 3	C000 - FFFF	SEL 5	3400 - 37FF
RAMSL	0000 - 1FFF	SEL 6	3800 - 3BFF
PERENB	2000 - 3FFF	SEL 7	3C00 - 3FFF

MP UNIT MASTER MCH 1.827.784.26



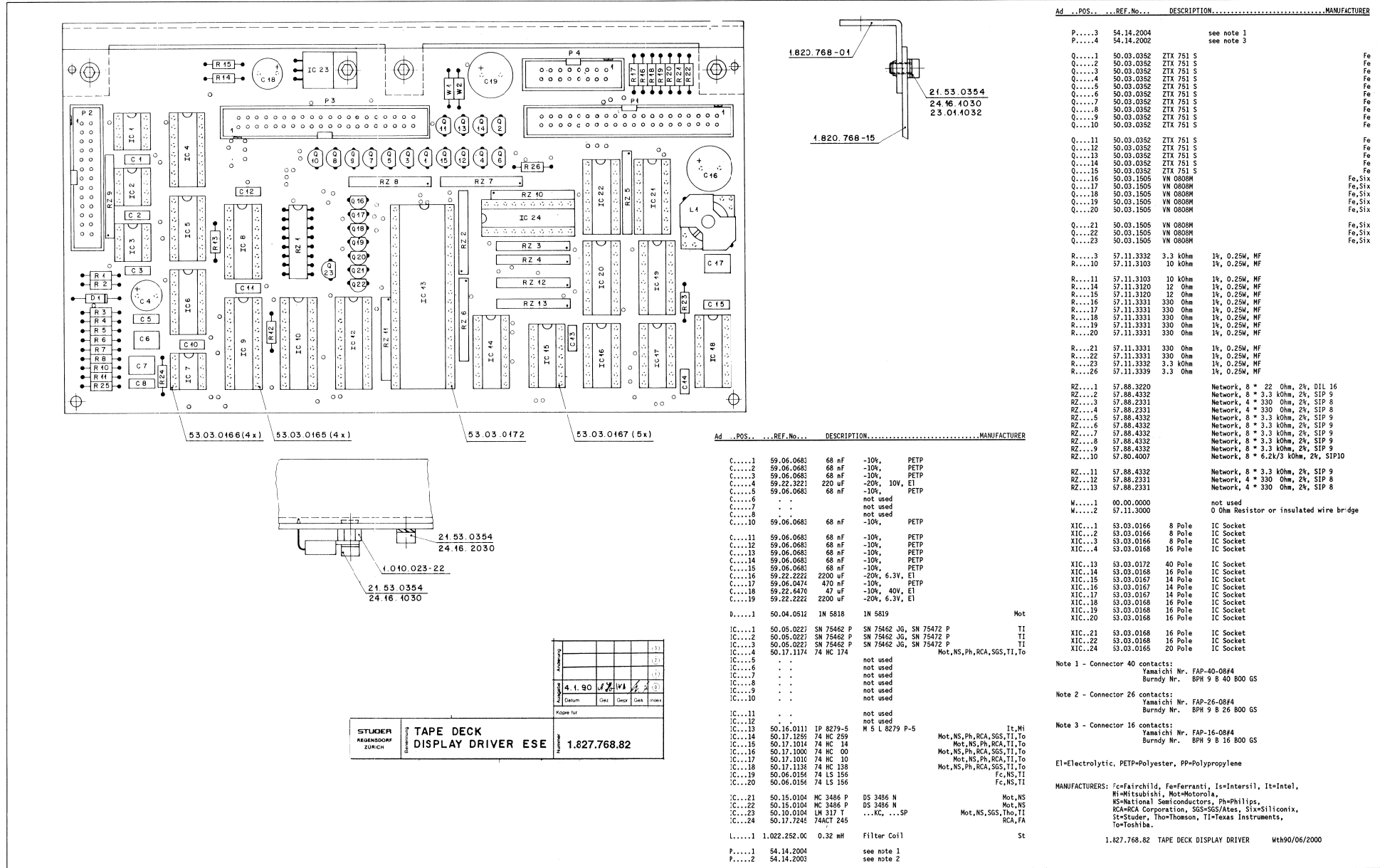
Ad	POS	REF.No	DESCRIPTION	MANUFACTURER
BA	...	89.01.0275	Batt, Lith., 3.6V, D 14.7*25.5	
C	...	59.26.0470	47 uF	20K, 6.3V, SaI
C	...	59.06.0683	68 nF	10%, 63V, P,ETP
C	...	59.06.0683	68 nF	10%, 63V, P,ETP
C	...	59.06.0683	68 nF	10%, 63V, P,ETP
C	...	59.34.7151	150 pF	2%, Ce
C	...	59.34.7151	150 pF	2%, Ce
C	...	59.06.0683	68 nF	10%, 63V, P,ETP
C	...	59.06.0683	68 nF	10%, 63V, P,ETP
C	...	59.26.2100	10 uF	20%, 16V, SaI
C	...	59.06.0683	68 nF	10%, 63V, P,ETP
C	...	00.00.0000	not used	
C	...	59.34.2330	33 pF	5%, Ce
C	...	59.34.2330	33 pF	5%, Ce
C	...	59.06.0683	68 nF	10%, 63V, P,ETP
C	...	59.06.0104	100 nF	10%, 63V, P,ETP
C	...	59.06.0222	2.2 nF	10%, 63V, P,ETP
D	...	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
D	...	50.04.0512	1N 5819	Mot
D	...	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf
IC	...	50.17.1541	74 HC 541	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.17.1541	74 HC 541	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.17.1541	74 HC 541	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.17.1000	74 HC 00	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.17.1132	74 HC 132	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.17.1138	74 HC 138	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.17.1002	74 HC 02	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.17.1393	74 HC 393	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.14.0133	HM6284P-15	Hi,To
IC	...	50.17.0004	74 HCT 04	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	00.00.0000	not used	
IC	...	50.17.1133	74 HC 139	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.15.0108	MC 3487 P	DS 3487 N
IC	...	50.17.1571	74 HC 573	Mot,NS,Ph,RCA,SGS,TI,To
IC	...	50.11.0122	TL7705ACP	TI
IC	...	50.11.0157	TL7705BCP	TI
IC	...	50.14.0125	27128	HN 48271286-30
IC	...	1.827.986.20		Software 38/89, see note 1
IC	...	1.827.986.21		Software 48/89, see note 1
IC	...	1.827.986.22		Software 03/90, see note 1
IC	...	1.827.986.23		Software 05/91, see note 1
IC	...	1.827.986.24		Software 10/92, see note 1
IC	...	1.827.986.25		Software 50/92, see note 1
IC	...	50.14.0125	27128	HN 48271286-30
IC	...	1.827.986.20		Software 38/89, see note 1
IC	...	1.827.986.21		Software 48/89, see note 1
IC	...	1.827.986.22		Software 03/90, see note 1
IC	...	1.827.986.23		Software 05/91, see note 1
IC	...	1.827.986.24		Software 10/92, see note 1
IC	...	1.827.986.25		Software 50/92, see note 1
IC	...	50.16.0107	MC6803P-1	6803P-L
IC	...	50.14.0125	27128	HN 48271286-30
IC	...	1.827.986.20		Software 38/89, see note 1
IC	...	1.827.986.21		Software 48/89, see note 1
IC	...	1.827.986.22		Software 03/90, see note 1
IC	...	1.827.986.23		Software 05/91, see note 1
IC	...	1.827.986.24		Software 10/92, see note 1
IC	...	1.827.986.25		Software 50/92, see note 1
IC	...	1.827.986.26		Software 50/92, see note 1

Ad	POS	REF.No	DESCRIPTION	MANUFACTURER
S	...	55.03.0122	Chicago Switch 34-550-001	
Y	...	89.01.0560	4.9152 Mhz, +100 ppm	
	(20)	89/09/27	Software 38/89	
	(21)	90/01/04	Software 48/89	
	(22)	90/01/25	Software 09/90	
	(23)	91/02/01	Software 05/91	
	(24)	91/10/08	Same software as 05/91 suffix (23), improved reset performance.	
	(25)	92/02/28	Software 10/92	
	(26)	92/12/03	Software 50/92	
	Note 1	IC15/16/18	: Software in set available only.	
	Note 2	Contact pin:	Studer Nr. 54.01.0020 Berg Nr. 75 160-102-36 Philips Nr. 2422 025 89303 Studer Nr. 54.01.0021 Berg Nr. 65 474-001 Philips Nr. 2422 024 88003	
	Note 3	Network:	8 * 3.3 kOhm, 5% Sicovend Nr. C09 x 3.3 k J Ineltro Nr. R88 3.3 k 5%	
			Ce=Ceramic, Sa=Solid Aluminium, P,ETP=Polyesterfilm.	
			MANUFACTURER: Fc=Fairchild, Hi=Hitachi, ITT=Intermetall, Mot=Motorola, NS=National Semiconductors, OK=OKI, Ph=Philips, Ses=Secoscom, Tf=Telefunken, TI=Texas Instruments.	
			1.827.784.00 MP-UNIT MASTER MCH Wth89/02/1400	
			1.827.784.00 MP-UNIT MASTER MCH Wth89/09/2720	
			1.827.784.00 MP-UNIT MASTER MCH Wth90/01/0421	
			1.827.784.00 MP-UNIT MASTER MCH Wth90/01/2522	
			1.827.784.00 MP-UNIT MASTER MCH Wth91/02/0123	
			1.827.784.00 MP-UNIT MASTER MCH B8791/10/0824	
			1.827.784.00 MP-UNIT MASTER MCH Wth92/02/2825	
			1.827.784.00 MP-UNIT MASTER MCH GP 92/12/0326	
	END			

Ref. No.	Part No.	Quantity	Unit Price	Total Price
3.12.92
28.2.92
8.10.91
1.2.91
25.1.90
4.1.90
10.3.89
10.3.89
JS...

STUDER REGENSCHORN ZÜRICH	MP-UNIT MASTER MCH ESE	1.827.784.26
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TAPE DECK DISPLAY DRIVER BOARD 1.827.768.82



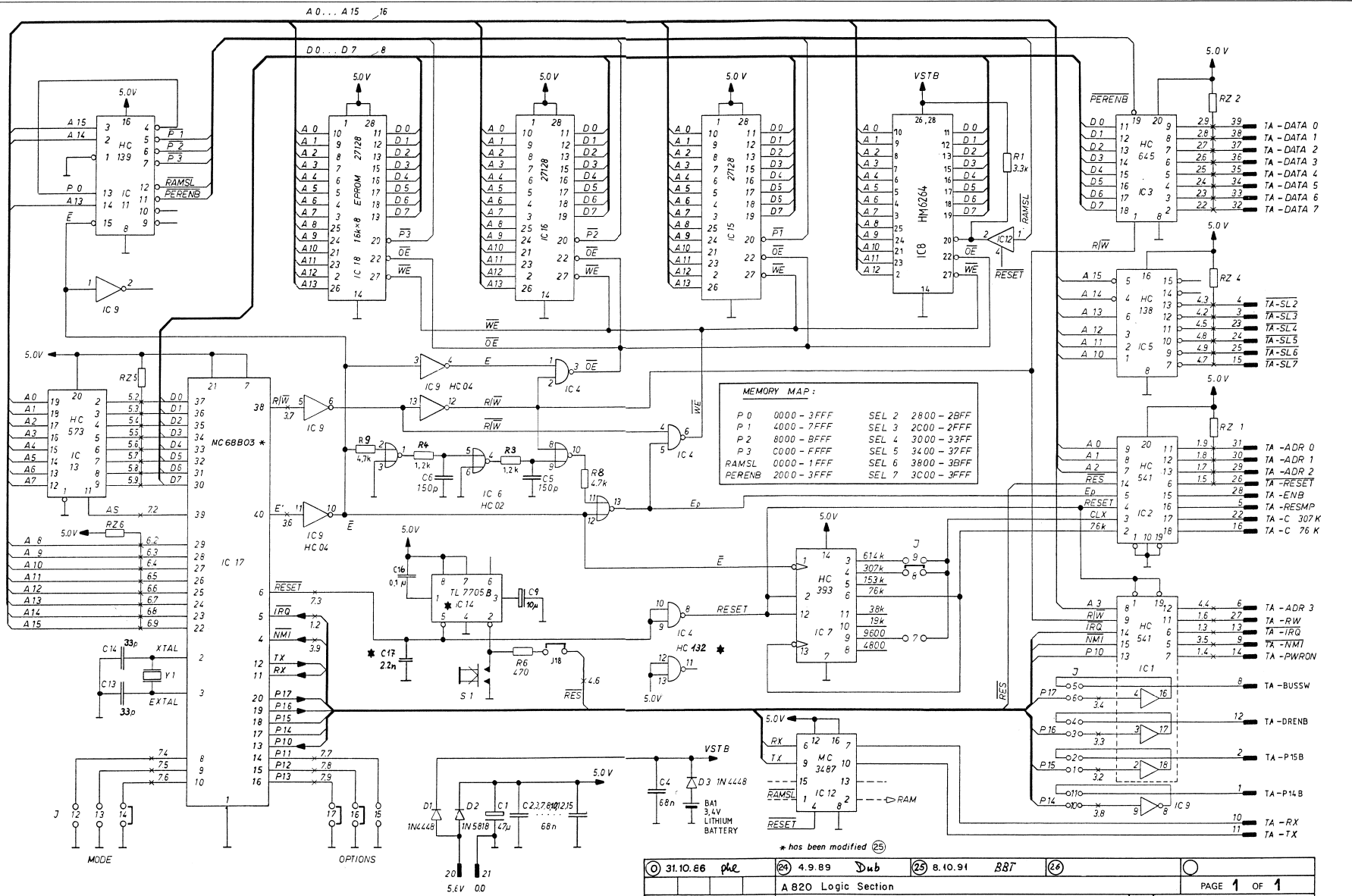
Ad	POS	REF.No.	DESCRIPTION	MANUFACTURER
P....3		54.14.2004		see note 1
P....4		54.14.2002		see note 3
Q....1		50.03.0352	ZTX 751 S	Fe
Q....2		50.03.0352	ZTX 751 S	Fe
Q....3		50.03.0352	ZTX 751 S	Fe
Q....4		50.03.0352	ZTX 751 S	Fe
Q....5		50.03.0352	ZTX 751 S	Fe
Q....6		50.03.0352	ZTX 751 S	Fe
Q....7		50.03.0352	ZTX 751 S	Fe
Q....8		50.03.0352	ZTX 751 S	Fe
Q....9		50.03.0352	ZTX 751 S	Fe
Q....10		50.03.0352	ZTX 751 S	Fe
Q....11		50.03.0352	ZTX 751 S	Fe
Q....12		50.03.0352	ZTX 751 S	Fe
Q....13		50.03.0352	ZTX 751 S	Fe
Q....14		50.03.0352	ZTX 751 S	Fe
Q....15		50.03.0352	ZTX 751 S	Fe
Q....16		50.03.1505	VN 0808M	Fe,Six
Q....17		50.03.1505	VN 0808M	Fe,Six
Q....18		50.03.1505	VN 0808M	Fe,Six
Q....19		50.03.1505	VN 0808M	Fe,Six
Q....20		50.03.1505	VN 0808M	Fe,Six
Q....21		50.03.1505	VN 0808M	Fe,Six
Q....22		50.03.1505	VN 0808M	Fe,Six
Q....23		50.03.1505	VN 0808M	Fe,Six
R....3		57.11.3332	3.3 kOhm	1%, 0.25W, MF
R....10		57.11.3103	10 kOhm	1%, 0.25W, MF
R....11		57.11.3103	10 kOhm	1%, 0.25W, MF
R....14		57.11.3120	12 Ohm	1%, 0.25W, MF
R....15		57.11.3120	12 Ohm	1%, 0.25W, MF
R....16		57.11.3331	330 Ohm	1%, 0.25W, MF
R....17		57.11.3331	330 Ohm	1%, 0.25W, MF
R....18		57.11.3331	330 Ohm	1%, 0.25W, MF
R....19		57.11.3331	330 Ohm	1%, 0.25W, MF
R....20		57.11.3331	330 Ohm	1%, 0.25W, MF
R....21		57.11.3331	330 Ohm	1%, 0.25W, MF
R....22		57.11.3331	330 Ohm	1%, 0.25W, MF
R....23		57.11.3332	3.3 kOhm	1%, 0.25W, MF
R....26		57.11.3339	3.3 Ohm	1%, 0.25W, MF
RZ...1		57.88.3220		Network, 8 * 22 Ohm, 2%, DIL 16
RZ...2		57.88.4332		Network, 8 * 3.3 kOhm, 2%, SIP 9
RZ...3		57.88.2331		Network, 4 * 330 Ohm, 2%, SIP 8
RZ...4		57.88.2331		Network, 4 * 330 Ohm, 2%, SIP 8
RZ...5		57.88.4332		Network, 8 * 3.3 kOhm, 2%, SIP 9
RZ...6		57.88.4332		Network, 8 * 3.3 kOhm, 2%, SIP 9
RZ...7		57.88.4332		Network, 8 * 3.3 kOhm, 2%, SIP 9
RZ...8		57.88.4332		Network, 8 * 3.3 kOhm, 2%, SIP 9
RZ...9		57.88.4332		Network, 8 * 3.3 kOhm, 2%, SIP 9
RZ...10		57.80.4007		Network, 8 * 6.2k/3 kOhm, 2%, SIP10
RZ...11		57.88.4332		Network, 8 * 3.3 kOhm, 2%, SIP 9
RZ...12		57.88.2331		Network, 4 * 330 Ohm, 2%, SIP 8
RZ...13		57.88.2331		Network, 4 * 330 Ohm, 2%, SIP 8
W....1		00.00.0000		not used
W....2		57.11.3000		0 Ohm Resistor or insulated wire bridge
XIC...1		53.03.0166	8 Pole	IC Socket
XIC...2		53.03.0166	8 Pole	IC Socket
XIC...3		53.03.0166	8 Pole	IC Socket
XIC...4		53.03.0166	16 Pole	IC Socket
XIC...13		53.03.0172	40 Pole	IC Socket
XIC...14		53.03.0166	16 Pole	IC Socket
XIC...15		53.03.0167	14 Pole	IC Socket
XIC...16		53.03.0167	14 Pole	IC Socket
XIC...17		53.03.0167	14 Pole	IC Socket
XIC...18		53.03.0168	16 Pole	IC Socket
XIC...19		53.03.0168	16 Pole	IC Socket
XIC...20		53.03.0168	16 Pole	IC Socket
XIC...21		53.03.0168	16 Pole	IC Socket
XIC...22		53.03.0168	16 Pole	IC Socket
XIC...24		53.03.0165	20 Pole	IC Socket
IC...1		50.05.0227	SN 75462 P	SN 75462 JG, SN 75472 P, TI
IC...2		50.05.0227	SN 75462 P	SN 75462 JG, SN 75472 P, TI
IC...3		50.05.0227	SN 75462 P	SN 75462 JG, SN 75472 P, TI
IC...4		50.17.1174	74 HC 174	not used, NS, Ph, RCA, SGS, TI, To
IC...5				not used
IC...6				not used
IC...7				not used
IC...8				not used
IC...9				not used
IC...10				not used
IC...11				not used
IC...12				not used
IC...13		50.16.0111	IP 8279-5	Mot, NS, Ph, RCA, SGS, TI, To
IC...14		50.17.1255	74 HC 259	Mot, NS, Ph, RCA, SGS, TI, To
IC...15		50.17.1014	74 HC 34	Mot, NS, Ph, RCA, SGS, TI, To
IC...16		50.17.1000	74 HC 00	Mot, NS, Ph, RCA, SGS, TI, To
IC...17		50.17.1010	74 HC 10	Mot, NS, Ph, RCA, SGS, TI, To
IC...18		50.17.1158	74 HC 138	Mot, NS, Ph, RCA, SGS, TI, To
IC...19		50.06.0156	74 LS 156	Fc, NS, TI
IC...20		50.06.0156	74 LS 156	Fc, NS, TI
IC...21		50.15.0104	MC 3486 P	Mot, NS
IC...22		50.15.0104	MC 3486 P	Mot, NS
IC...23		50.10.0104	LM 317 T	...KC, ...SP, Mot, NS, SGS, Tho, TI
IC...24		50.17.7245	74ACT 245	RCA, FA
L....1		1.022.252.00	0.32 mH	Filter Coil, St
P....1		54.14.2004		see note 1
P....2		54.14.2003		see note 2

STUDIUM	REVISION	DATE	BY	REASON
1.827.768.82				

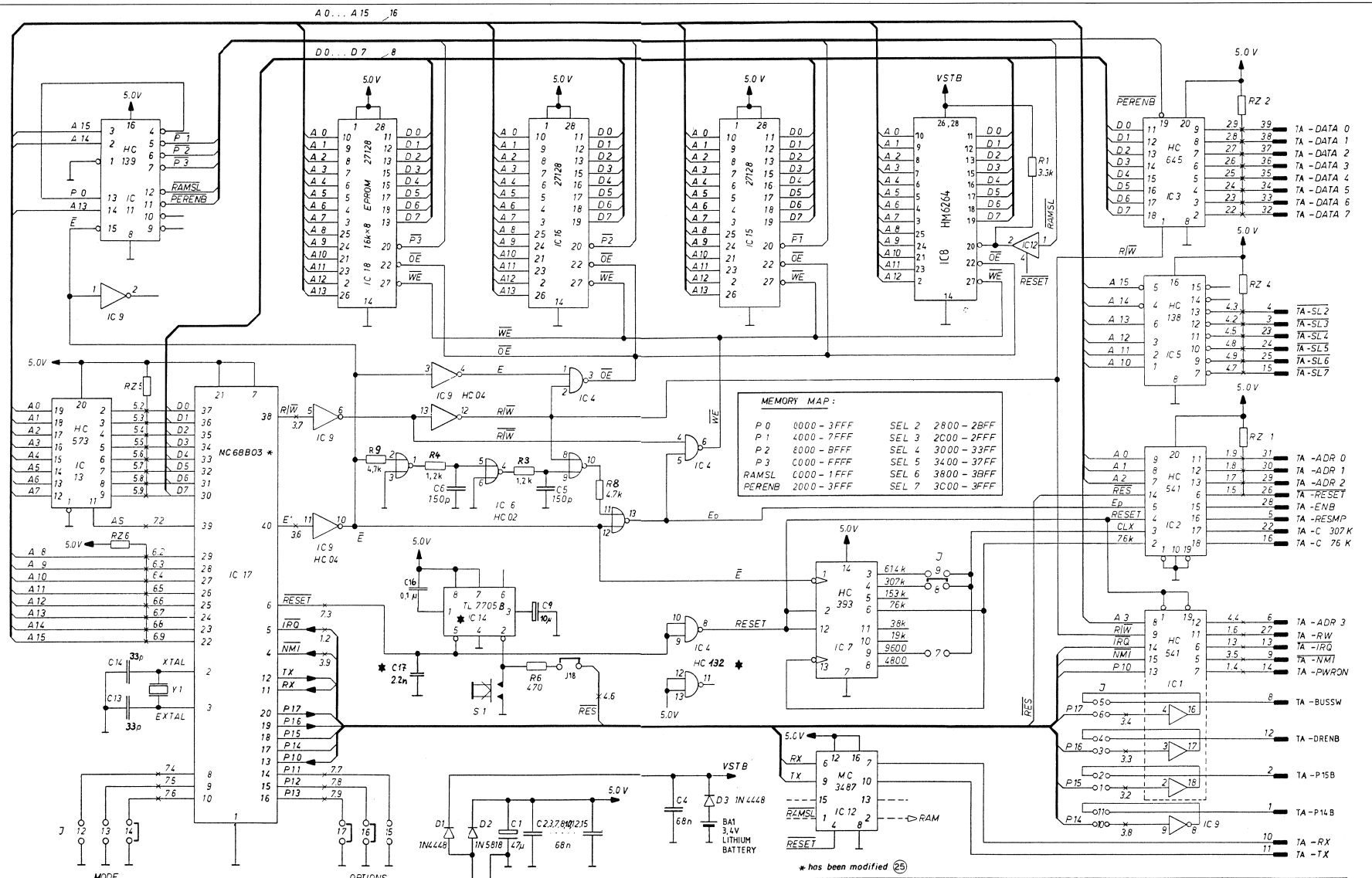
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STUDIUM REVISION DATE BY REASON
 1.827.768.82

MP UNIT AUDIO CONTROL 1.827.782.26



MP UNIT AUDIO CONTROL 1.827.788.24

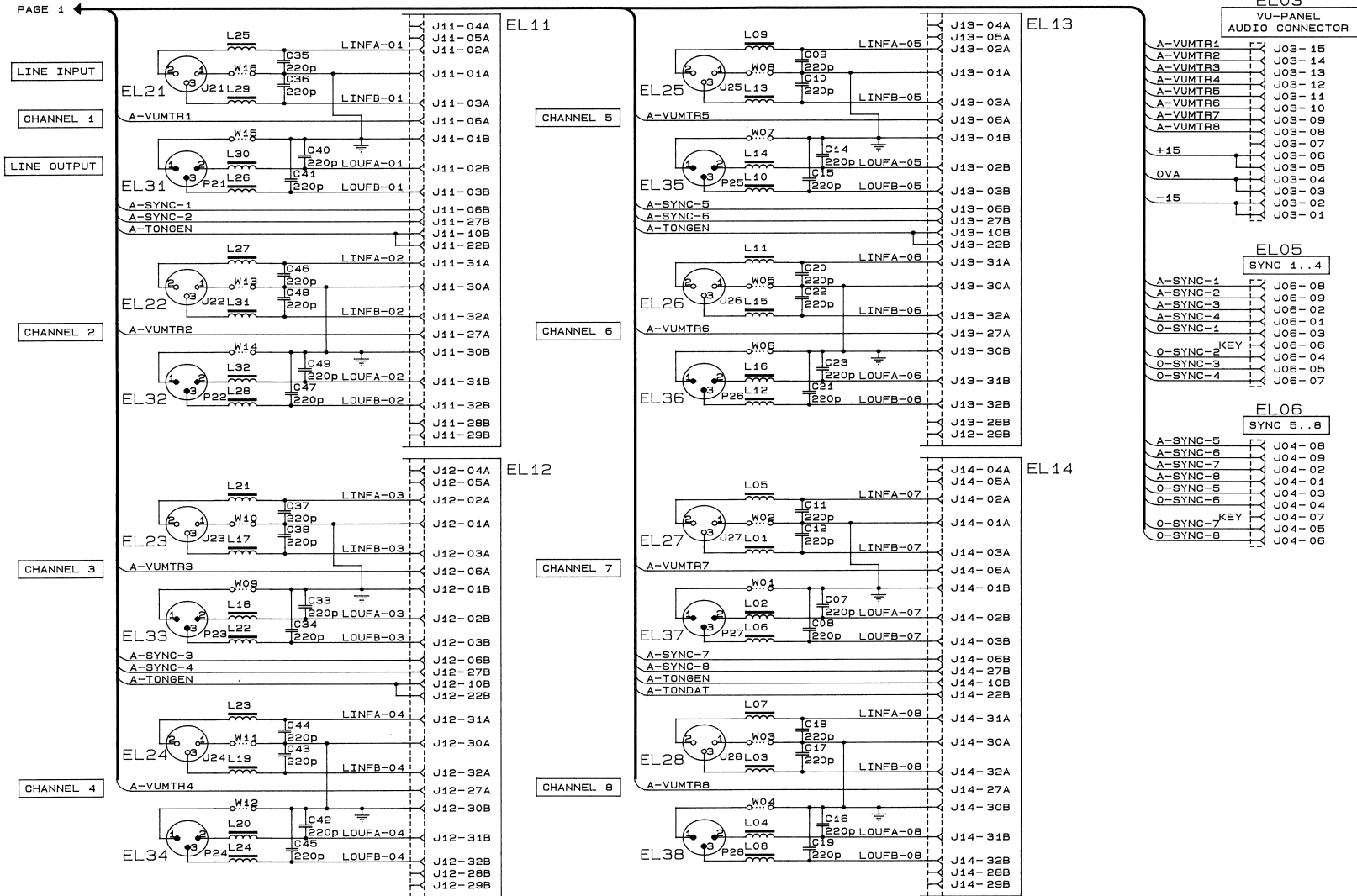


31.10.86	4.9.89	8.10.91	
A B20 Logic Section			PAGE 1 OF 1
STUDER		MP UNIT AUDIO CONTROL	ESE SC 1.827.788.24

AUDIO BASIS BOARD MCH 1.827.700.83



PAGE 1



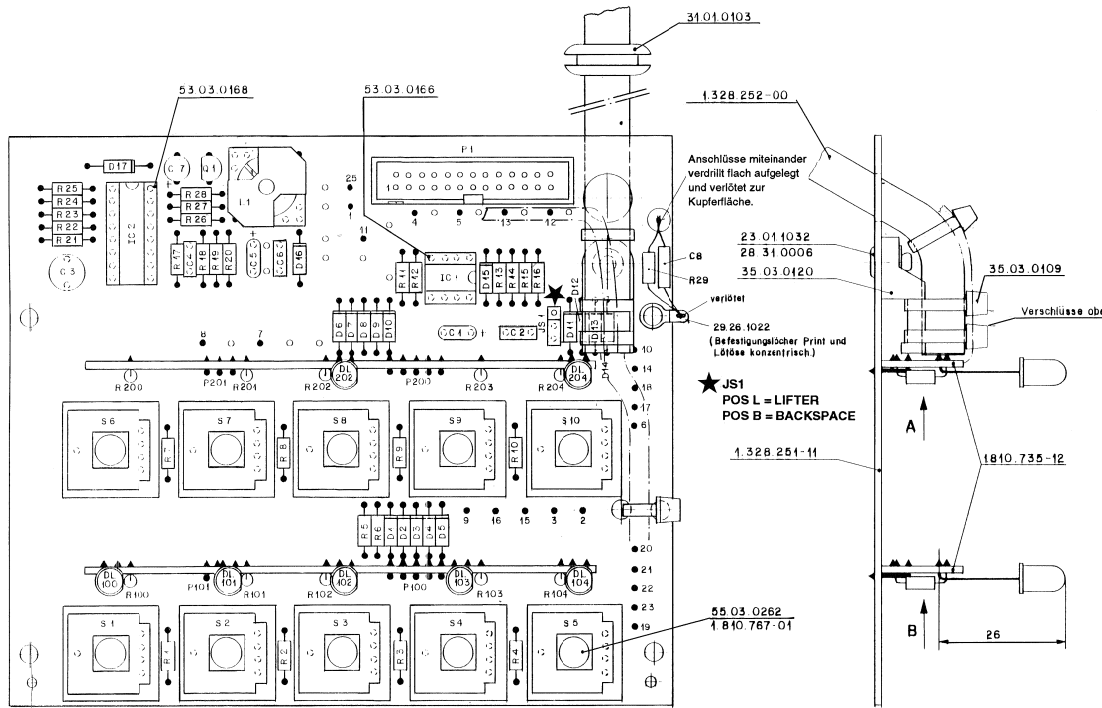
© 14.05.1991 GP	A 827	ASY 3/4/5	GRP 5	PAGE 2 OF 2
STUDER		AUDIO BASIS BOARD MCH		SCH 1.827.700-83



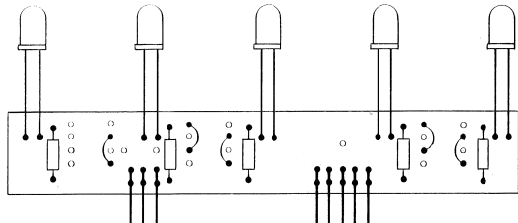
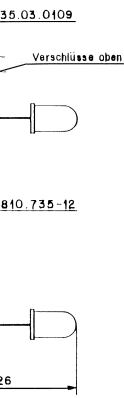
AUDIO BASIS BOARD MCH 1.827.700.83

Ad	..POS.	..REF.No.	DESCRIPTION	MANUFACTURER	Ad	..POS.	..REF.No.	DESCRIPTION	MANUFACTURER
J....23	54.21.2002	3-pole	XLR-Connector female	Neu	W....11	64.01.0106	Wire Bridge		
J....24	54.21.2002	3-pole	XLR-Connector female	Neu	W....12	64.01.0106	Wire Bridge		
J....25	54.21.2002	3-pole	XLR-Connector female	Neu	W....13	64.01.0106	Wire Bridge		
J....26	54.21.2002	3-pole	XLR-Connector female	Neu	W....14	64.01.0106	Wire Bridge		
J....27	54.21.2002	3-pole	XLR-Connector female	Neu	W....15	64.01.0106	Wire Bridge		
J....28	54.21.2002	3-pole	XLR-Connector female	Neu	W....16	64.01.0106	Wire Bridge		
L....1	62.01.0115		Interference Coil	Ph	W....17	57.11.3000	Wire Bridge		
L....2	62.01.0115		Interference Coil	Ph	W....18	57.11.3000	Wire Bridge		
L....3	62.01.0115		Interference Coil	Ph	W....19	57.11.3000	Wire Bridge		
L....4	62.01.0115		Interference Coil	Ph	XF....1	53.03.0116	5*20 Fuse Holder	6.3 A max.	
L....5	62.01.0115		Interference Coil	Ph	XF....2	53.03.0116	5*20 Fuse Holder	6.3 A max.	
L....6	62.01.0115		Interference Coil	Ph	XF....3	53.03.0116	5*20 Fuse Holder	6.3 A max.	
L....7	62.01.0115		Interference Coil	Ph	XF....4	53.03.0116	5*20 Fuse Holder	6.3 A max.	
L....8	62.01.0115		Interference Coil	Ph	XIC...1	53.03.0165	20-pole IC-Socket		
L....9	62.01.0115		Interference Coil	Ph	XIC...2	53.03.0165	20-pole IC-Socket		
L....10	62.01.0115		Interference Coil	Ph	XIC...3	53.03.0165	20-pole IC-Socket		
L....11	62.01.0115		Interference Coil	Ph	XIC...4	53.03.0168	16-pole IC-Socket		
L....12	62.01.0115		Interference Coil	Ph	XIC...5	53.03.0168	16-pole IC-Socket		
L....13	62.01.0115		Interference Coil	Ph	XIC...6	53.03.0168	16-pole IC-Socket		
L....14	62.01.0115		Interference Coil	Ph	XIC...7	53.03.0165	20-pole IC-Socket		
L....15	62.01.0115		Interference Coil	Ph	XIC...8	53.03.0167	14-pole IC-Socket		
L....16	62.01.0115		Interference Coil	Ph	XIC...9	53.03.0166	8-pole IC-Socket		
L....17	62.01.0115		Interference Coil	Ph	XIC...10	53.03.0166	8-pole IC-Socket		
L....18	62.01.0115		Interference Coil	Ph					
L....19	62.01.0115		Interference Coil	Ph					
L....20	62.01.0115		Interference Coil	Ph					
L....21	62.01.0115		Interference Coil	Ph					
L....22	62.01.0115		Interference Coil	Ph					
L....23	62.01.0115		Interference Coil	Ph					
L....24	62.01.0115		Interference Coil	Ph					
L....25	62.01.0115		Interference Coil	Ph					
L....26	62.01.0115		Interference Coil	Ph					
L....27	62.01.0115		Interference Coil	Ph					
L....28	62.01.0115		Interference Coil	Ph					
L....29	62.01.0115		Interference Coil	Ph					
L....30	62.01.0115		Interference Coil	Ph					
L....31	62.01.0115		Interference Coil	Ph					
L....32	62.01.0115		Interference Coil	Ph					
MP....1	28.21.1380	8 pcs	Rivet D 2.25 * 6.5						
MP....2	43.01.0108	1 pce	ESZ Warning Label						
MP....3	1.827.700.01	1 pce	Nr. Label	ST					
MP....4	1.827.701.11	1 pce	AUDIO BASIS PCB 8-CH	ST					
P....1	54.14.2004	40-pole	Connector						
P....21	54.21.2001	3-pole	XLR-Connector male	Neu					
P....22	54.21.2001	3-pole	XLR-Connector male	Neu					
P....23	54.21.2001	3-pole	XLR-Connector male	Neu					
P....24	54.21.2001	3-pole	XLR-Connector male	Neu					
P....25	54.21.2001	3-pole	XLR-Connector male	Neu					
P....26	54.21.2001	3-pole	XLR-Connector male	Neu					
P....27	54.21.2001	3-pole	XLR-Connector male	Neu					
P....28	54.21.2001	3-pole	XLR-Connector male	Neu					
Q....1	50.03.0436	BC 237 B	BC 547 B						
R....1	57.11.3122	1.2 kOhm	1%, 0.25W, MF						
R....2	57.11.3103	10 kOhm	1%, 0.25W, MF						
R....3	57.11.3682	6.8 kOhm	1%, 0.25W, MF						
R....4	57.11.3682	6.8 kOhm	1%, 0.25W, MF						
R....5	57.11.3103	10 kOhm	1%, 0.25W, MF						
R....6	57.11.3332	3.3 kOhm	1%, 0.25W, MF						
R....7	57.11.3332	3.3 kOhm	1%, 0.25W, MF						
R....8	57.11.3391	390 Ohm	1%, 0.25W, MF						
R....9	57.11.3510	51 Ohm	1%, 0.25W, MF						
R....10	57.11.3102	1 kOhm	1%, 0.25W, MF						
R....11	57.11.3102	1 kOhm	1%, 0.25W, MF						
R....12	57.11.3471	470 Ohm	1%, 0.25W, MF						
R....13	57.11.3332	3.3 kOhm	1%, 0.25W, MF						
R....14	57.11.3472	4.7 kOhm	1%, 0.25W, MF						
R....15	57.11.3561	560 Ohm	1%, 0.25W, MF						
R....16	57.11.3681	680 Ohm	1%, 0.25W, MF						
R....17	57.11.3332	3.3 kOhm	1%, 0.25W, MF						
R....18	57.11.3472	4.7 kOhm	1%, 0.25W, MF						
R....21	57.11.3682	6.8 kOhm	1%, 0.25W, MF						
R....22	57.11.3332	3.3 kOhm	1%, 0.25W, MF						
R....23	57.11.3222	2.2 kOhm	1%, 0.25W, MF						
RZ....1	57.88.2102	4*1.0kOhm	5%, Single Line						
RZ....2	57.88.4332	8*3.3kOhm	5%, Single Line						
RZ....3	57.88.2221	4*220 Ohm	5%, Single Line						
RZ....4	57.88.4681	8*800 Ohm	5%, Single Line						
RZ....5	57.88.2332	4*3.3kOhm	5%, Single Line						
RZ....6	57.88.4471	8*470 Ohm	5%, Single Line						
RZ....7	57.88.4471	8*470 Ohm	5%, Single Line						
TP....1	54.02.0320		Connector flat 2.8*0.8 Print						
W....1	64.01.0106		Wire Bridge						
W....2	64.01.0106		Wire Bridge						
W....3	64.01.0106		Wire Bridge						
W....4	64.01.0106		Wire Bridge						
W....5	64.01.0106		Wire Bridge						
W....6	64.01.0106		Wire Bridge						
W....7	64.01.0106		Wire Bridge						
W....8	64.01.0106		Wire Bridge						
W....9	64.01.0106		Wire Bridge						
W....10	64.01.0106		Wire Bridge						

TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.81
 - Tape Deck Remote Control PCB 1.328.251.81



31.01.0103
 53.03.0168
 53.03.0166
 1.328.252-00
 Anschlüsse miteinander verdrillt flach aufgelegt und verlötet zur Kupferfläche.
 23.01.1032
 28.31.0006
 35.03.0120
 R29
 verlötet
 29.28.1022 (Befestigungsloch Print und Lötöse konzentrisch)
 ★ J1
 POS L = LIFTER
 POS B = BACKSPACE
 1.328.251-11



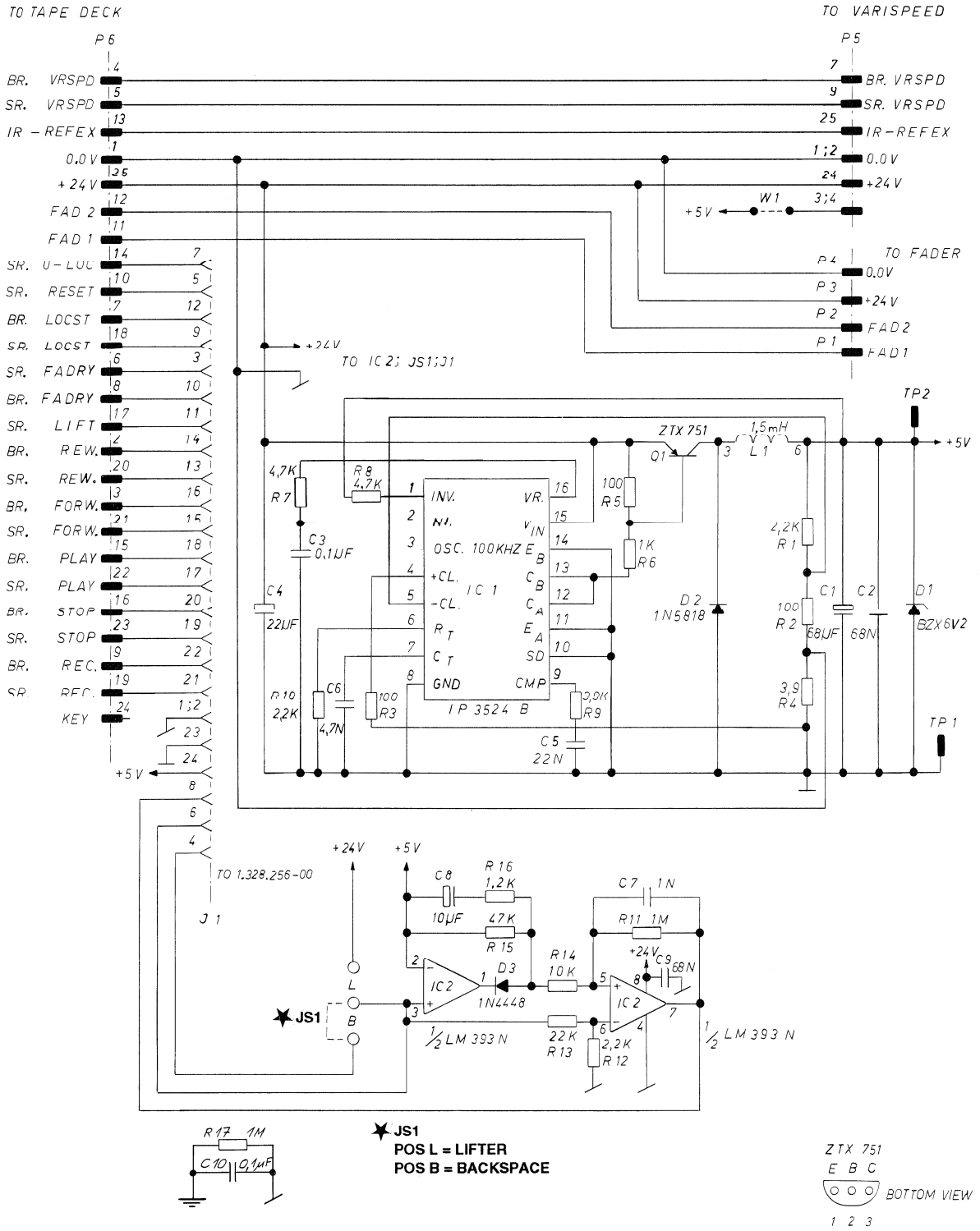
Ansicht A + B
 A nur 2 DL und 2 Drahtbrücken bestückt.

26.1.94	21	21	21	21	21
21	21	21	21	21	21

STUDER REGENEROOP BÜRO	TAPE DECK REMOTE CONTROL BOARD ESE	1.328.251-81
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Ad	POS	REF.No	DESCRIPTION	MANUFACTURER
DL..201			not used	
DL..202	50.04.2112	MW5353	CM4-584B, HLMF-3401	CM,GI,HP
DL..203			not used	
DL..204	50.04.2112	MW5353	CM4-584B, HLMF-3401	CM,GI,HP
IC....1	50.05.0283	LM393N		NS,Tho,TI
IC....2	50.05.0279	SG3524BN		SG
JS....1			See note 1	
L....1	1.022.197.00		1.5 mH	St
P.....1	54.14.2003		26 cont.	See note 2
P...100	54.01.0269		5 cont.	AMP Nr. 163.740-3
P...101	54.01.0227		3 cont.	AMP Nr. 163.740-1
P...200	54.01.0269		5 cont.	AMP Nr. 163.740-3
P...201	54.01.0227		3 cont.	AMP Nr. 163.740-1
Q....1	50.03.0351	BC327-25		ITT,Ph,Sie
R....1	57.11.3331		330 Ohm	
R....2	57.11.3331		330 Ohm	
R....3	57.11.3331		330 Ohm	
R....4	57.11.3331		330 Ohm	
R....5	57.11.3331		330 Ohm	
R....6	57.11.3331		330 Ohm	
R....7	57.11.3331		330 Ohm	
R....8	57.11.3331		330 Ohm	
R....9	57.11.3331		330 Ohm	
R....10	57.11.3331		330 Ohm	
R....11	57.11.3223		2.2 kOhm	
R....12	57.11.3222		2.2 kOhm	
R....13	57.11.3122		1.2 kOhm	
R....14	57.11.3473		47 kOhm	
R....15	57.11.3105		1 MOhm	
R....16	57.11.3103		10 kOhm	
R....17	57.11.3392		3.9 kOhm	
R....18	57.11.3222		2.2 kOhm	
R....19	57.11.3101		100 Ohm	
R....20	57.11.3109		1 Ohm	
R....21	57.11.3122		1.2 kOhm	
R....22	57.11.3101		100 Ohm	
R....23	57.11.3472		4.7 kOhm	
R....24	57.11.3472		4.7 kOhm	
R....25	57.11.3472		4.7 kOhm	
R....26	57.11.3102		1 kOhm	
R....27	57.11.3101		100 Ohm	
R....28	57.11.3472		4.7 kOhm	
R....29	57.11.3105		1 MOhm	
R...100	57.11.3151		150 Ohm	
R...101	57.11.3151		150 Ohm	
R...102	57.11.3151		150 Ohm	
R...103	57.11.3151		150 Ohm	
R...104	57.11.3151		150 Ohm	
R...200	57.11.3151		150 Ohm	
R...201	57.11.3151		150 Ohm	
R...202	57.11.3151		150 Ohm	
R...203	57.11.3151		150 Ohm	
R...204	57.11.3151		150 Ohm	
S....1			See note 3	
S....2			See note 3	
S....3			See note 3	
S....4			See note 3	
S....5			See note 3	
S....6			See note 3	
S....7			See note 3	
S....8			See note 3	
S....9			See note 3	
S....10			See note 3	
Note 1 - Contact pin:	Studer	54.01.0020,	Berg 75 160-102-36	
Bridge:	Studer	54.01.0021,	Philips 2422 024 88003	
Note 2 - Connector:	Yamaichi	FAP-26-08/4,	Burdny BPH 9 8 26 800 6S	
Note 3 - Switch:	Studer	55.03.0261,	Rafi 3.13001.110	
Extender:	Studer	55.03.0262,	Rafi 5.55101.690	
Ce=Ceramic, El=Electrolytic, Sal=Solid aluminium, PETP=Polyesterfilm, Pp=Polypropylen.				
MANUFACTURER: CM=Chicago Miniatur, Fc=Fairchild, GI=General Instruments, HP=Hewlett Packard, ITT=Intermetall, Mo=Motorola, NS=National Semiconductors, Ph=Philips, Ses=Secossem, SG=Silicon General, Si=Siemens, St=Studer, Tho=Thomson, TI=Texas Instruments, Tf=Telefunken.				
1.328.251.81 TAPE DECK REMOTE CONTROL ML 94/01/2600				
END				
DL..100	50.04.2112	MW5353	CM4-584B, HLMF-3401	CM,GI,HP
DL..101	50.04.2112	MW5353	CM4-584B, HLMF-3401	CM,GI,HP
DL..102	50.04.2112	MW5353	CM4-584B, HLMF-3401	CM,GI,HP
DL..103	50.04.2112	MW5353	CM4-584B, HLMF-3401	CM,GI,HP
DL..104	50.04.2111	MW5753	CM4-264B, HLMF-3301	CM,GI,HP
DL..200			not used	

TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.81
 - Connector Board 1.328.257.81



02.08.93 C. METZ	MODUL PARALLEL A727, A812, A820	PAGE 1 OF 1
STUDER	CONNECTOR BOARD	SC 1.328.257-81

TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.81
 - Connector Board 1.328.257.81



JS1
 POS L = LIFTER
 POS B = BACKSPACE

Bestückt

1.328.257-11

1.328.255-07

J4
 Höhe 4,2^{±0,2}

C1, C4, C8
 Max. Höhe 13,5mm

Schilder 1.328.257-01
 sind 43 04.0408 aufgeklebt
 nach Muster.

Ausgabe					③
Änderung					②
					①
2.9.93	fla	fla	fla	fla	④
Datum	Gez.	Geor.	Ges.	Index	

Kopie für:

STUDER HEGENSDORF ZÜRICH	Benennung CONNECTOR BOARD ESE	Nummer 1.328.257-81
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Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER
C.....1	59.26.0680	68 u	20%, 6.3V, SAL	
C.....2	59.06.0683	0.068 u	10%, 63V, PETP	
C.....3	59.06.0104	0.1 u	10%, 63V, PETP	
C.....4	59.22.6220	22 u	-20%, 35V, EL	
C.....5	59.06.0223	0.022 u	10%, 63V, PETP	
C.....6	59.06.0472	4700 p	10%, 63V, PETP	
C.....7	59.06.0102	1000 p	10%, 63V, PETP	
C.....8	59.26.2100	10 u	20%, 16V, SAL	
C.....9	59.06.0683	0.068 u	10%, 63V, PETP	
C.....10	59.03.2104	0.1 u	10%, 160V, PETP	
D.....1	50.04.1118	BZX 6V2	5%, 6.2 V, 0.40 W, Z,	
D.....2	50.04.0512	1 N 5818	Schottky	Mot.
D.....3	50.04.0125	1 N 4448	75 V; 100 mA; Si.	
IC....1	50.05.0279	IP 3524 B	Regulating pulse width modulator	IPS.
IC....2	50.05.0283	LN 393 N	Dual low power comparator	TI.
J.....1	53.03.0218	2 * 12 Pin	Socket terminal strip	
J.....2	54.13.0023		D-type, 25 pin print female connector	
JS....1	54.01.0021	2 * 0.63	Jumper (See Note 1)	
L.....1	1.022.197.00	1,5 mH	Choke	St.
P.....1	54.02.0320	2.8 * 0.8	Soldering pin	
P.....2	54.02.0320	2.8 * 0.8	Soldering pin	
P.....3	54.02.0320	2.8 * 0.8	Soldering pin	
P.....4	54.02.0320	2.8 * 0.8	Soldering pin	
P.....5	54.14.2003		26 Pin print male connector	
Q.....1	50.03.0352	ZTX 751 S	60 V, 2 A, PNP Si.	Fe.
R.....1	57.11.3222	2.2 k	1%, 0207, MF	
R.....2	57.11.3101	100	1%, 0207, MF	
R.....3	57.11.3101	100	1%, 0207, MF	
R.....4	57.11.3399	3.9	1%, 0207, MF	
R.....5	57.11.3101	100	1%, 0207, MF	
R.....6	57.11.3102	1.0 k	1%, 0207, MF	
R.....7	57.11.3472	4.7 k	1%, 0207, MF	
R.....8	57.11.3472	4.7 k	1%, 0207, MF	
R.....9	57.11.3392	3.9 k	1%, 0207, MF	
R.....10	57.11.3222	2.2 k	1%, 0207, MF	
R.....11	57.11.3105	1 M	1%, 0207, MF	
R.....12	57.11.3222	2.2 k	1%, 0207, MF	
R.....13	57.11.3223	22 k	1%, 0207, MF	
R.....14	57.11.3103	10 k	1%, 0207, MF	
R.....15	57.11.3473	47 k	1%, 0207, MF	
R.....16	57.11.3122	1.2 k	1%, 0207, MF	
R.....17	57.11.3105	1 M	1%, 0207, MF	
TP....1	54.02.0320	2.8 * 0.8	Soldering pin	
TP....2	54.02.0320	2.8 * 0.8	Soldering pin	
W.....1	1.010.324.64	4.3 * 10.2	Bridge (not inserted)	

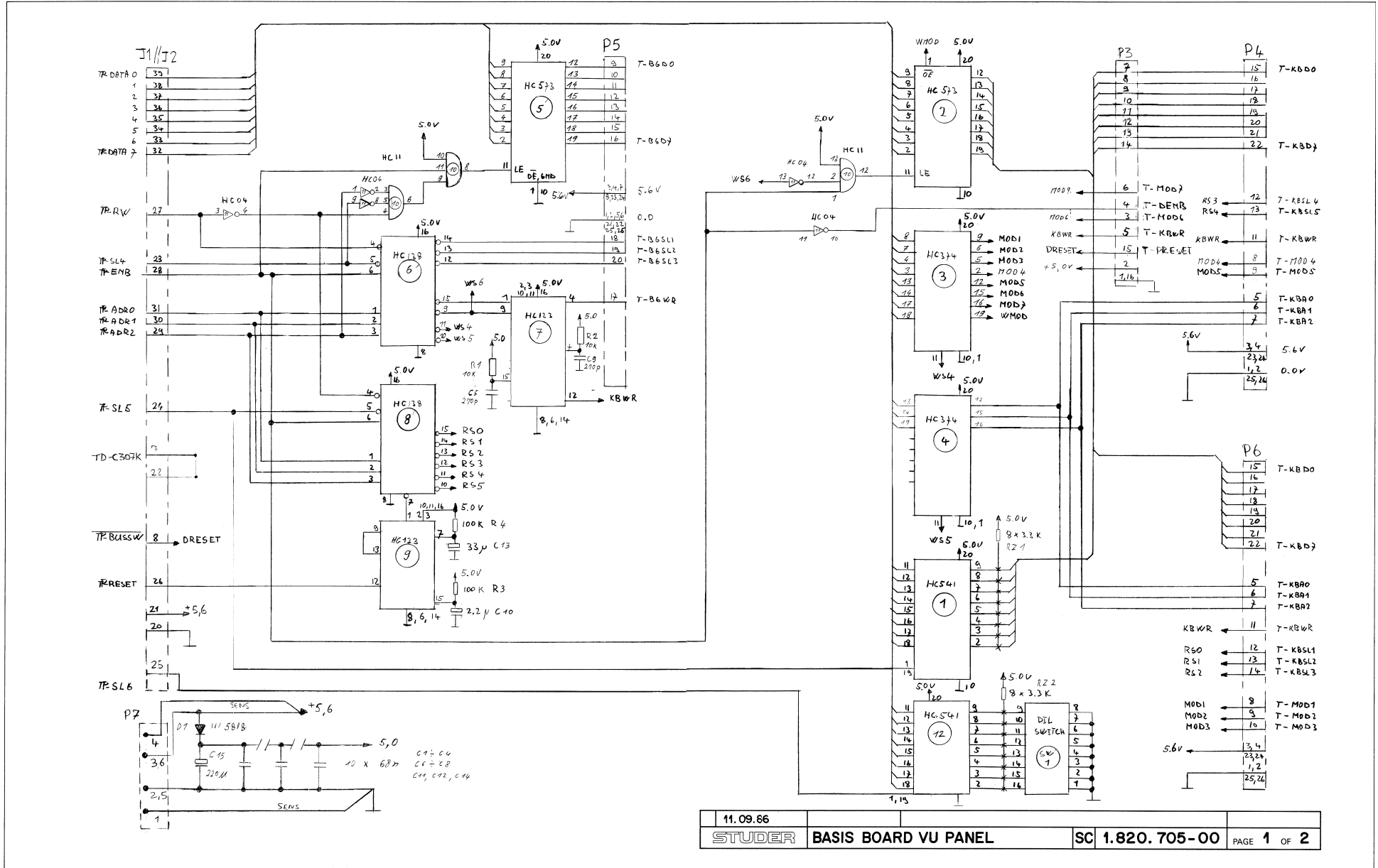
Note 1: Jumper
 Contact Pin: Studer Nr. 54.01.0020
 Berg Nr. 77 311-102-36
 Philips Nr. 2422 062 43241
 Fawag Nr. AS 1-034/058-36 G-0.75u Au
 Studer Nr. 54.01.0021
 Berg Nr. 65 474-001
 Philips Nr. 2422 024 88003
 AMP Nr. 141 767-1

CER=Ceramic, EL=Electrolytic, MP=Metallized Paper, MPC=Metallized Poly-carbonate, MPETP=Metallized Polyester, PC=Polycarbonate, PETP=Polyester
 PP=Polypropylene, PS=Polystyrol, SAL=Solid Aluminium, TA=Tantal
 Cermet=Ceramic Metal, MF=Metal Film.

MANUFACTURERS :
 Fe = Ferranti
 IPS = Integrated Power Semiconductors Limited
 Mot = Motorola
 St = Studer
 TI = Texas Instruments

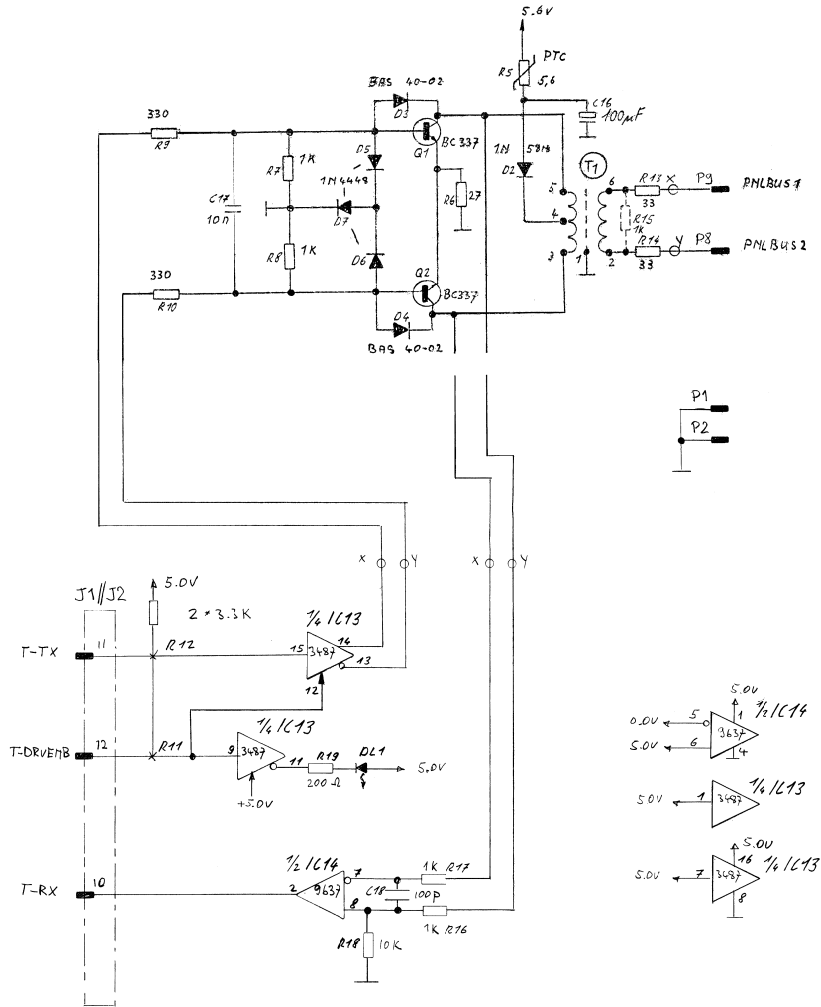
1.328.257.81 CONNECTORS BOARD GP 93/08/0200

PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00
 -Basis Board VU Panel 1.820.705.00



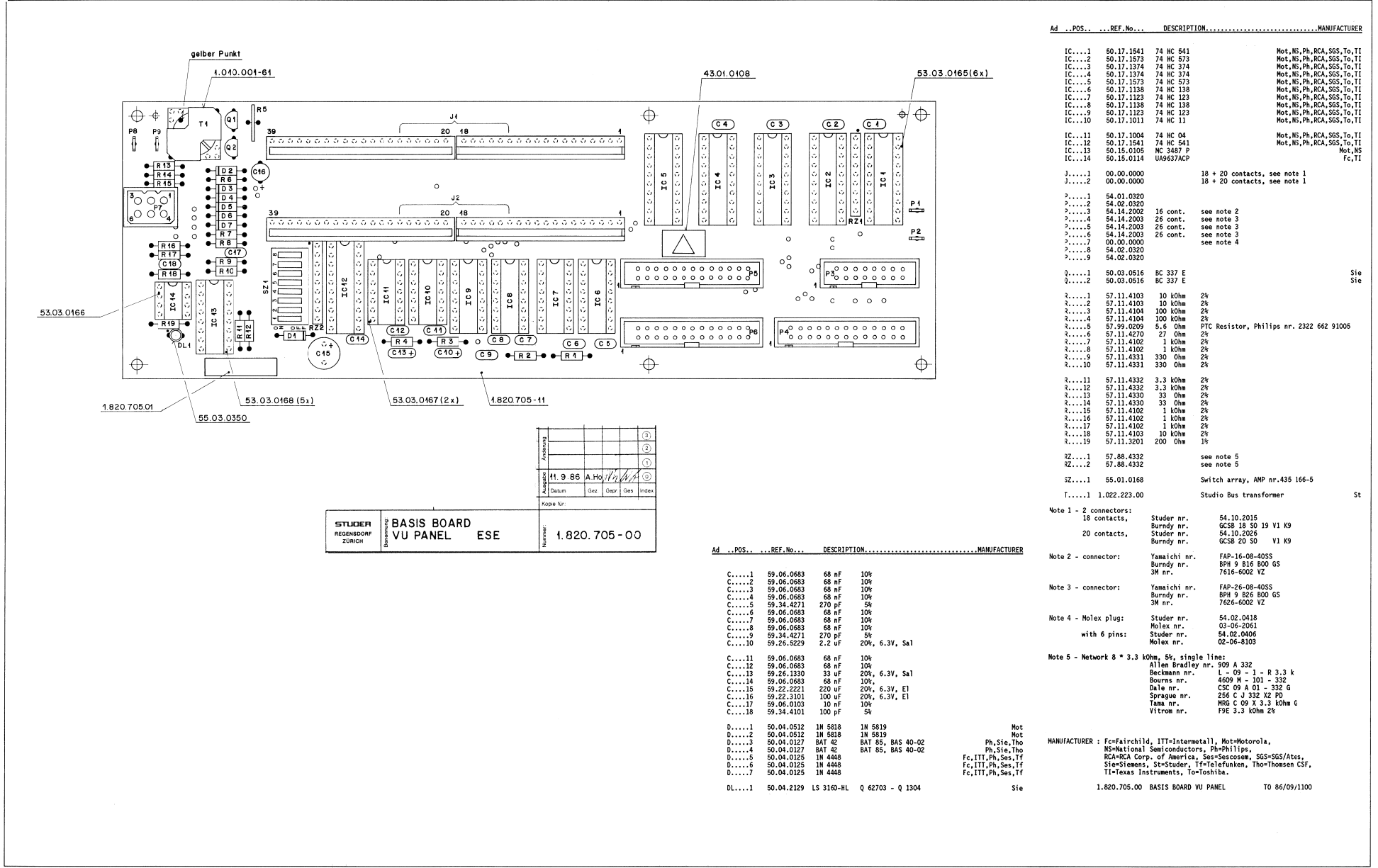
EDITION: JUNI 1995

PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00
 -Basis Board VU Panel 1.820.705.00



	11.09.86		
STUDER	BASIS BOARD VU PANEL	SC 1.820.705-00	PAGE 2 OF 2

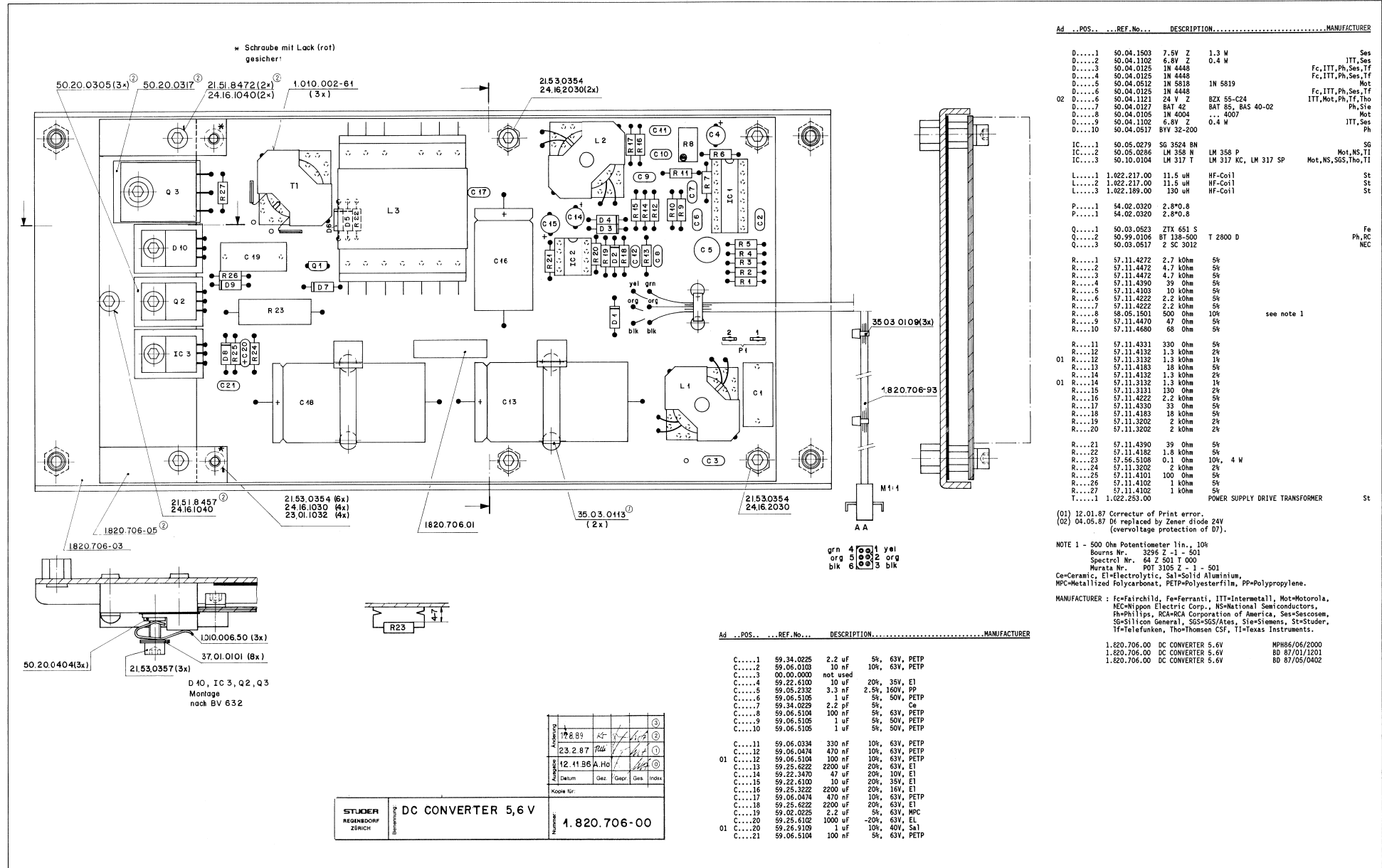
PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00
-Basis Board VU Panel 1.820.705.00



STUDER REGENSDORF ZÜRICH	Bezeichnung BASIS BOARD VU PANEL ESE	Nummer 1.820.705-00
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Ad	..POS..	..REF.No..	DESCRIPTION	MANUFACTURER
IC....1	50.17.1541	74 HC 541		Mot,Ns,Ph,RCA,SGS,To,TI
IC....2	50.17.1573	74 HC 573		Mot,Ns,Ph,RCA,SGS,To,TI
IC....3	50.17.1374	74 HC 374		Mot,Ns,Ph,RCA,SGS,To,TI
IC....4	50.17.1374	74 HC 374		Mot,Ns,Ph,RCA,SGS,To,TI
IC....5	50.17.1573	74 HC 573		Mot,Ns,Ph,RCA,SGS,To,TI
IC....6	50.17.1138	74 HC 138		Mot,Ns,Ph,RCA,SGS,To,TI
IC....7	50.17.1123	74 HC 123		Mot,Ns,Ph,RCA,SGS,To,TI
IC....8	50.17.1138	74 HC 138		Mot,Ns,Ph,RCA,SGS,To,TI
IC....9	50.17.1123	74 HC 123		Mot,Ns,Ph,RCA,SGS,To,TI
IC....10	50.17.1011	74 HC 11		Mot,Ns,Ph,RCA,SGS,To,TI
IC....11	50.17.1004	74 HC 04		Mot,Ns,Ph,RCA,SGS,To,TI
IC....12	50.17.1541	74 HC 541		Mot,Ns,Ph,RCA,SGS,To,TI
IC....13	50.15.0105	MC 3487 P		Mot,MS
IC....14	50.15.0114	UA9637ACP		Fc,TI
J.....1	00.00.0000		18 + 20 contacts, see note 1	
J.....2	00.00.0000		18 + 20 contacts, see note 1	
P.....1	54.01.0320			
P.....2	54.02.0320			
P.....3	54.14.2002	16 cont.	see note 2	
P.....4	54.14.2003	26 cont.	see note 3	
P.....5	54.14.2003	26 cont.	see note 3	
P.....6	54.14.2003	26 cont.	see note 3	
P.....7	00.00.0000		see note 4	
P.....8	54.02.0320			
P.....9	54.02.0320			
Q.....1	50.03.0516	BC 337 E		Sie
Q.....2	50.03.0516	BC 337 E		Sie
R.....1	57.11.4103	10 kOhm	2%	
R.....2	57.11.4103	10 kOhm	2%	
R.....3	57.11.4104	100 kOhm	2%	
R.....4	57.11.4102	100 kOhm	2%	
R.....5	57.99.0209	5.6 Ohm	PTC Resistor, Philips nr. 2322 662 91005	
R.....6	57.11.4270	27 Ohm	2%	
R.....7	57.11.4102	1 kOhm	2%	
R.....8	57.11.4102	1 kOhm	2%	
R.....9	57.11.4331	330 Ohm	2%	
R.....10	57.11.4331	330 Ohm	2%	
R.....11	57.11.4332	3.3 kOhm	2%	
R.....12	57.11.4332	3.3 kOhm	2%	
R.....13	57.11.4330	33 Ohm	2%	
R.....14	57.11.4330	33 Ohm	2%	
R.....15	57.11.4102	1 kOhm	2%	
R.....16	57.11.4102	1 kOhm	2%	
R.....17	57.11.4102	1 kOhm	2%	
R.....18	57.11.4103	10 kOhm	2%	
R.....19	57.11.3201	200 Ohm	1%	
RZ....1	57.88.4332		see note 5	
RZ....2	57.88.4332		see note 5	
SZ....1	55.01.0168		Switch array, AMP nr.435 166-5	
T.....1	1.022.223.00		Studio Bus transformer	St
Note 1 - 2 connectors:				
18 contacts,	Studer nr.	54.10.2015		
20 contacts,	Burndy nr.	GC58 16 50 19 V1 K9		
	Burndy nr.	54.10.2026		
	Burndy nr.	GC58 20 50 V1 K9		
Note 2 - connector:	Yamaichi nr.	FAP-16-08-40SS		
	Burndy nr.	BPH 9 B16 800 GS		
	3M nr.	7616-6002 VZ		
Note 3 - connector:	Yamaichi nr.	FAP-26-08-40SS		
	Burndy nr.	BPH 9 B26 800 GS		
	3M nr.	7626-6002 VZ		
Note 4 - Molex plug:	Studer nr.	54.02.0418		
	Molex nr.	03-06-2061		
with 6 pins:	Studer nr.	54.02.0406		
	Molex nr.	02-06-8103		
Note 5 - Network 8 * 3.3 kOhm, 5k, single line:				
	Allen Bradley nr.	909 A 332		
	Beckmann nr.	L - 09 - 1 - R 3.3 k		
	Bouras nr.	4609 M - 101 - 332		
	Dale nr.	CSC 09 A 01 - 332 G		
	Sprague nr.	256 C J 332 X2 PD		
	Tama nr.	NRG C 09 3.3 kOhm G		
	Vitrom nr.	F9E 3.3 kOhm 2%		
MANUFACTURER :	Fc=Fairchild, ITT=Intermettal, Mot=Motorola,			
	MS=National Semiconductors, Ph=Philips,			
	RCA=RCA Corp. of America, Ses=Secossem, SGS=SGS/Ates,			
	Si=Siemens, St=Studer, Tf=Telefunken, Tho=Thomson CSF,			
	Ti=Texas Instruments, To=Toshiba.			
DL....1	50.04.2129	LS 3160-HL	Q 62703 - Q 1304	Sie

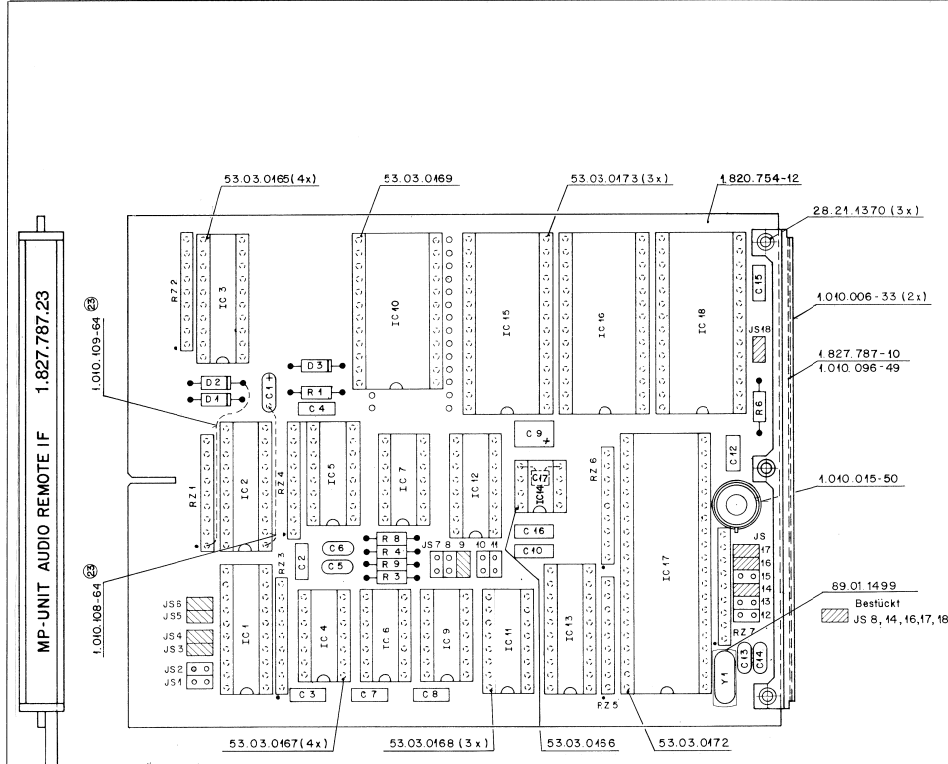
PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00
- DC Converter 5,6V 1.820.706.00



Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
D.....1	50.04.1503	7.5V Z	1.3 W	Ses
D.....2	50.04.1102	6.8V Z	0.4 W	ITT, Ses
D.....3	50.04.0125	1N 4448		Fc, ITT, Ph, Ses, Tf
D.....4	50.04.0125	1N 4448		Fc, ITT, Ph, Ses, Tf
D.....5	50.04.0512	1N 5818	1N 5819	Mot
D.....6	50.04.0125	1N 4448		Fc, ITT, Ph, Ses, Tf
D.....7	50.04.1121	24 V Z	BZX 65-C24	ITT, Mot, Ph, Tho
D.....8	50.04.0105	1N 4004	BAT 85, BAS 40-02	Ph, Sie
D.....9	50.04.1102	6.8V Z	... 4007	Mot
D.....10	50.04.0517	BYV 32-200	0.4 W	ITT, Ses, Ph
IC.....1	50.05.0279	SG 3524 BN		SG
IC.....2	50.05.0286	LM 358 N	LM 358 P	Mot, NS, TI
IC.....3	50.10.0104	LM 317 T	LM 317 KC, LM 317 SP	Mot, NS, SGS, Tho, TI
L.....1	1.022.217.00	11.5 uH	HF-Coil	St
L.....2	1.022.217.00	11.5 uH	HF-Coil	St
L.....3	1.022.189.00	130 uH	HF-Coil	St
P.....1	54.02.0320	2.8*0.8		
Q.....1	50.03.0523	ZTX 651 S		Fe
Q.....2	50.99.0106	BT 136-500	T 2800 D	Ph, RC
Q.....3	50.03.0517	2 SC 3012		NEC
R.....1	57.11.4272	2.7 kOhm	5%	
R.....2	57.11.4103	4.7 kOhm	5%	
R.....3	57.11.4472	4.7 kOhm	5%	
R.....4	57.11.4390	39 Ohm	5%	
R.....5	57.11.4103	10 kOhm	5%	
R.....6	57.11.4222	2.2 kOhm	5%	
R.....7	57.11.4222	2.2 kOhm	5%	
R.....8	58.05.1501	500 Ohm	10%	see note 1
R.....9	57.11.4470	47 Ohm	5%	
R.....10	57.11.4680	68 Ohm	5%	
R.....11	57.11.4331	330 Ohm	5%	
R.....12	57.11.4132	1.3 kOhm	2%	
R.....13	57.11.3132	1.3 kOhm	1%	
R.....14	57.11.4183	18 kOhm	5%	
R.....15	57.11.4132	1.3 kOhm	2%	
R.....16	57.11.3132	1.3 kOhm	1%	
R.....17	57.11.4222	2.2 kOhm	5%	
R.....18	57.11.4330	33 Ohm	5%	
R.....19	57.11.4183	18 kOhm	5%	
R.....20	57.11.3202	2 kOhm	2%	
R.....21	57.11.3202	2 kOhm	2%	
R.....22	57.11.4390	39 Ohm	5%	
R.....23	57.11.4182	1.8 kOhm	5%	
R.....24	57.56.5108	0.1 Ohm	10%, 4 W	
R.....25	57.11.3202	2 kOhm	2%	
R.....26	57.11.4101	100 Ohm	5%	
R.....27	57.11.4102	1 kOhm	5%	
T.....1	1.022.253.00			POWER SUPPLY DRIVE TRANSFORMER St

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C.....1	59.34.0225	2.2 uF	5%, 63V, PETP	
C.....2	59.06.0103	10 nF	10%, 63V, PETP	
C.....3	00.00.0000	not used		
C.....4	59.22.6100	10 uF	20%, 35V, E1	
C.....5	59.05.2332	3.3 nF	2.5%, 160V, PP	
C.....6	59.06.5105	1 uF	5%, 50V, PETP	
C.....7	59.34.0229	2.2 pF	5%, Ce	
C.....8	59.06.5104	100 nF	5%, 63V, PETP	
C.....9	59.06.5105	1 uF	5%, 50V, PETP	
C.....10	59.06.5105	1 uF	5%, 50V, PETP	
C.....11	59.06.0334	330 nF	10%, 63V, PETP	
C.....12	59.06.0474	470 nF	10%, 63V, PETP	
C.....13	59.06.5104	100 nF	10%, 63V, PETP	
C.....14	59.25.6222	2200 uF	20%, 63V, E1	
C.....15	59.22.3470	47 uF	20%, 10V, E1	
C.....16	59.22.6100	10 uF	20%, 35V, E1	
C.....17	59.25.3222	2200 uF	20%, 16V, E1	
C.....18	59.25.6222	2200 uF	20%, 63V, E1	
C.....19	59.02.0225	2.2 uF	5%, 63V, MPC	
C.....20	59.25.6102	1000 uF	-20%, 63V, EL	
C.....21	59.26.9109	100 nF	10%, 40V, Sa1	
C.....22	59.06.5104	100 nF	5%, 63V, PETP	

PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00
 - MP Unit Audio Remote IF 1.827.787.23



Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.26.0470	47 uF	20%, 5,3V, Sa1	Ph
C....2	59.06.0683	68 nF	10%, 63V, PETP	
C....3	59.06.0683	68 nF	10%, 63V, PETP	
C....4	59.06.0683	68 nF	10%, 63V, PETP	
C....5	59.34.7151	150 pF	2%, Ce	
C....6	59.34.7151	150 pF	2%, Ce	
C....7	59.06.0683	68 nF	10%, 63V, PETP	
C....8	59.06.0683	68 nF	10%, 63V, PETP	
C....9	59.26.2100	10 uF	20%, 16V, Sa1	
C....10	59.06.0683	68 nF	10%, 63V, PETP	
C....11	00.00.0000	not used		
C....12	59.06.0683	68 nF	10%, 63V, PETP	
C....13	59.34.2330	33 pF	5%, Ce	
C....14	59.34.2330	33 pF	5%, Ce	
C....15	59.06.0683	68 nF	10%, 63V, PETP	
C....16	59.06.0104	100 nF	10%, 63V, PETP	
C....17	59.06.0222	2.2 nF	10%, 63V, PETP	
D....1	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf	
D....2	50.04.0512	1N 5818	1N 5819	Not
D....3	50.04.0125	1N 4448	Fc,ITT,Ph,Ses,Tf	
IC....1	50.17.1541	74 HC 541	Mot,NS,Ph,RCA,SGS,TI,To	
IC....2	50.17.1541	74 HC 541	Mot,NS,Ph,RCA,SGS,TI,To	
IC....3	50.17.1645	74 HC 645	Mot,NS,Ph,RCA,SGS,TI,To	
IC....4	50.17.1090	74 HC 00	Mot,NS,Ph,RCA,SGS,TI,To	
IC....5	50.17.1132	74 HC 132	Mot,NS,Ph,RCA,SGS,TI,To	
IC....6	50.17.1138	74 HC 138	Mot,NS,Ph,RCA,SGS,TI,To	
IC....7	50.17.1092	74 HC 02	Mot,NS,Ph,RCA,SGS,TI,To	
IC....8	50.17.1393	74 HC 393	Mot,NS,Ph,RCA,SGS,TI,To	
IC....9	00.00.0000	not used		
IC....10	50.17.0004	74 NCT 04	Mot,NS,Ph,RCA,SGS,TI,To	
IC....11	50.14.0107	HM6116LP-4	MSH 5128-15	Hi,OKI
IC....12	50.17.1139	74 HC 139	Mot,NS,Ph,RCA,SGS,TI,To	
IC....13	50.15.0105	MC 3487 P	DS 3487 N	Mot,NS
IC....14	50.17.1573	74 HC 573	Mot,NS,Ph,RCA,SGS,TI,To	
IC....15	50.11.0122	TL7705ACP	TI	
IC....16	50.11.0157	TL7705BCP	TI	
IC....17	00.00.0000	not used		
IC....18	50.16.0107	MC6803P-1	6803P-L	Mot,Hi
IC....19	50.14.0125	27128	NH 4871286-30	Hi,It
IC....20	1.827.984.21		Software 32/89	
IC....21	1.827.984.21		Software 48/89	
IC....22	1.827.984.22		Software 05/91	
JS....1	00.00.0000		see note 1	
JS....2			see note 1	
JS....3			see note 1	
JS....4			see note 1	
JS....5			see note 1	
JS....6			see note 1	
JS....7			see note 1	
JS....8			see note 1	
JS....9			see note 1	
JS....10			see note 1	
JS....11			see note 1	
JS....12			see note 1	
JS....13			see note 1	
JS....14			see note 1	
JS....15			see note 1	
JS....16			see note 1	
JS....17			see note 1	
JS....18			see note 1	
R....1	57.11.3332	3.3 kOhm	5k	
R....2	00.00.0000	not used		
R....3	57.11.3122	1.2 kOhm	5k	
R....4	57.11.3122	1.2 kOhm	5k	
R....5	00.00.0000	not used		
R....6	57.11.3471	470 Ohm	5k	
R....7	00.00.0000	not used		
R....8	57.11.3472	4.7 kOhm	5k	
R....9	57.11.3472	4.7 kOhm	5k	
RZ....1	57.88.4332		see note 2	
RZ....2	57.88.4332		see note 2	
RZ....3	57.88.4332		see note 2	
RZ....4	57.88.4332		see note 2	
RZ....5	57.88.4332		see note 2	
RZ....6	57.88.4332		see note 2	
RZ....7	57.88.4332		see note 2	
S....1	55.03.0122		Chicago Switch 34-550-001	
Y....1	89.01.0560		4.9152 Mhz, +-100 ppm	

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
			Ineltr Nr. R88 3.3 k 5k	
			Ce=Ceramic, Sa=Solid Aluminium, PETP=Polyesterfilm.	
			MANUFACTURER: Fc=Fairchild, Hi=Hitachi, ITT=Intematel, Mot=Motorola, NS=National Semiconductors, OK=OKI, Ph=Philips, Ses=Sesocem, Tf=Telefunken, TI=Texas Instruments.	
		1.827.787.00	MP-UNIT AUDIO REMOTE IF	Wch89/02/1400
		1.827.787.00	MP-UNIT AUDIO REMOTE IF	Wch89/02/1420
		1.827.787.00	MP-UNIT AUDIO REMOTE IF	Wch90/04/0121
		1.827.787.00	MP-UNIT AUDIO REMOTE IF	Wch91/02/0122
		1.827.787.00	MP-UNIT AUDIO REMOTE IF	B8T91/10/0823
			END	

Material	Nummer	Größe	Griff	Griff	Griff
	8.10.91	33F			
	4.2.91				
	4.1.90				
	10.3.89				
	10.3.89				

STUDER REGENSDORF ZÜRICH	Werkzeug ESE	MP-UNIT AUDIO REMOTE IF	1.827.787.23
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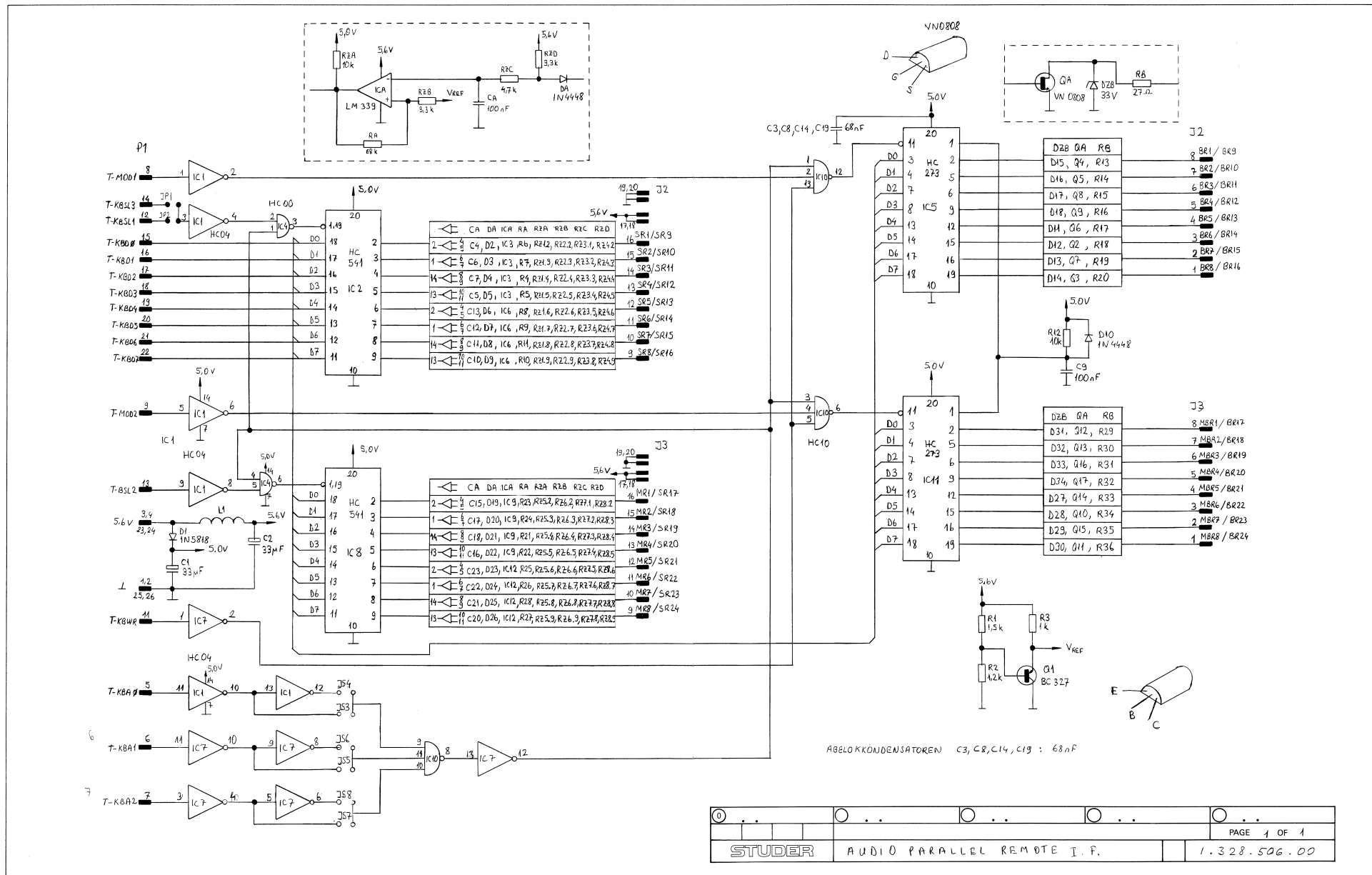
(20) 89/08/09 Software 32/89
 (21) 90/01/04 Software 48/89
 (22) 91/02/01 Software 05/91
 (23) 91/10/08 Same software as 05/91 suffix (22), improved reset performance.

Note 1 - Contact pin: Studer Nr. 54.01.0020
 Berg Nr. 75.160-102-36
 Philips Nr. 2422 025 89303
 Bridge: Studer Nr. 54.01.0021
 Berg Nr. 65.474-001
 Philips Nr. 2422 024 88003

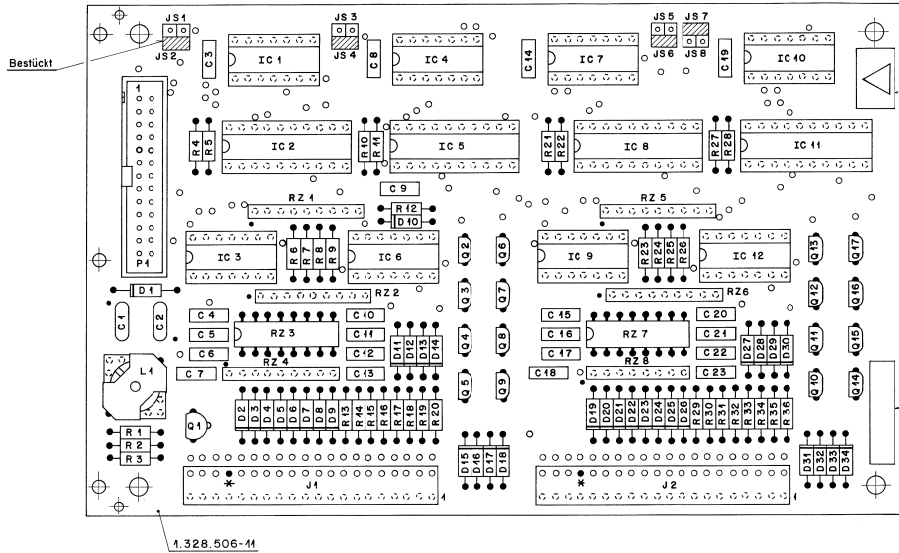
Note 2 - Network: 8 * 3.3 kOhm, 5k
 Sicovent Nr. C09 x 3.3 k J

PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00

- Audio Parallel Remote IF 1.328.506.00



PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00
 - Audio Parallel Remote IF 1.328.506.00



* Codierung : Schttdraht 64 01.0108 ϕ 0,8 x 8mm
 (muss 4mm vorstehen)

Abch. Nr.					
Abch. Nr.	27.3.67	A.P.H.			
Datum		Gez.	Gepr.	Gez.	Index

STUDER
 REGENSDORF
 ZÜRICH

Referenz-Nr.
**AUDIO PARALLEL
 REMOTE IF "ESE"**

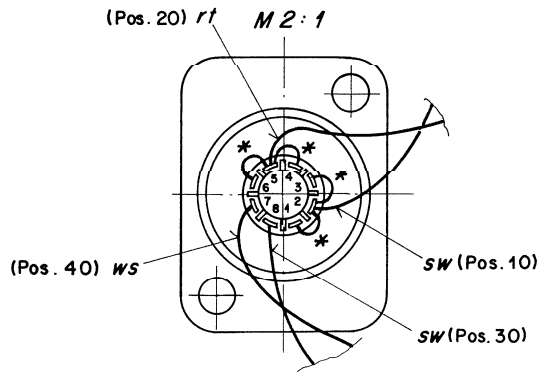
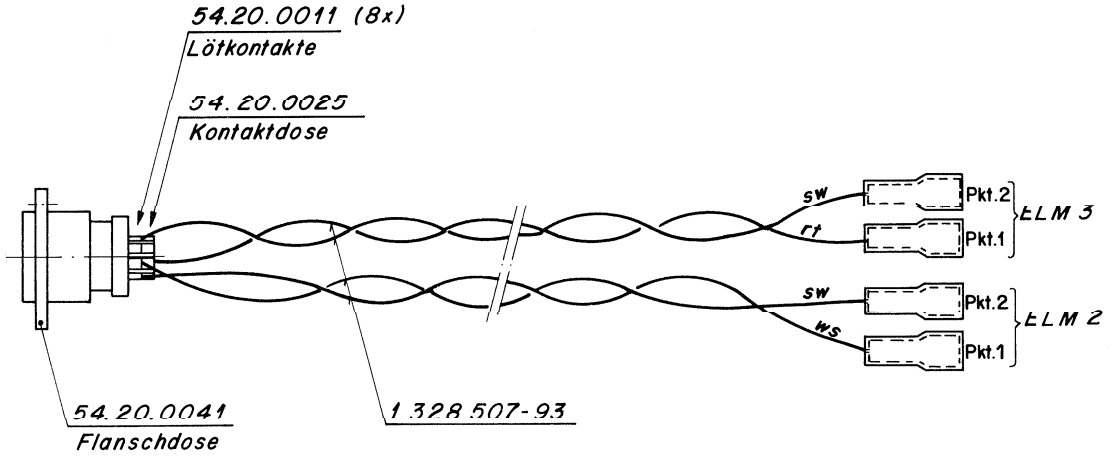
Nummer:
1.328.506-00

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C....1	59.26.1330	33 uF	20%, 10V, SAL	Ph, Ri
C....2	59.26.1330	33 uF	20%, 10V, SAL	Ph, Ri
C....3	59.06.0683	68 nF	10%, PETP	
C....4	59.06.0104	100 nF	10%, PETP	
C....5	59.06.0104	100 nF	10%, PETP	
C....6	59.06.0104	100 nF	10%, PETP	
C....7	59.06.0104	100 nF	10%, PETP	
C....8	59.06.0683	68 nF	10%, PETP	
C....9	59.06.0104	100 nF	10%, PETP	
C....10	59.06.0104	100 nF	10%, PETP	
C....11	59.06.0104	100 nF	10%, PETP	
C....12	59.06.0104	100 nF	10%, PETP	
C....13	59.06.0104	100 nF	10%, PETP	
C....14	59.06.0683	68 nF	10%, PETP	
C....15	59.06.0104	100 nF	10%, PETP	
C....16	59.06.0104	100 nF	10%, PETP	
C....17	59.06.0104	100 nF	10%, PETP	
C....18	59.06.0104	100 nF	10%, PETP	
C....19	59.06.0683	68 nF	10%, PETP	
C....20	59.06.0104	100 nF	10%, PETP	
C....21	59.06.0104	100 nF	10%, PETP	
C....22	59.06.0104	100 nF	10%, PETP	
C....23	59.06.0104	100 nF	10%, PETP	
D....1	50.04.0512	1N 5818	1N 5819	No
D....2	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....3	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....4	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....5	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....6	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....7	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....8	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....9	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....10	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....11	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....12	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....13	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....14	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....15	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....16	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....17	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....18	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....19	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....20	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....21	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....22	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....23	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....24	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....25	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....26	50.04.0125	1N 4448		Fc,ITT,Ph,Ses,Tf
D....27	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....28	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....29	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....30	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....31	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....32	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....33	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
D....34	50.04.1127	33 V Z	82X 55-C33	ITT,Mot,Ph,Tf,Tho
IC....1	50.17.1004	.. 74 HC 04 ..		Mot,NS,Ph,RCA,SGS,TI,To
IC....2	50.17.1541	.. 74 HC641 ..		Mot,NS,Ph,RCA,SGS,TI,To
IC....3	50.11.0104	.. uA 335 PC ..		Fc,Mot,NS
IC....4	50.17.1000	.. 74 HC 00 ..		Mot,NS,Ph,RCA,SGS,TI,To
IC....5	50.17.1273	.. 74 HC273 ..		Mot,NS,Ph,RCA,SGS,TI,To
IC....6	50.11.0104	.. uA 335 PC ..		Fc,Mot,NS
IC....7	50.17.1004	.. 74 HC 04 ..		Mot,NS,Ph,RCA,SGS,TI,To
IC....8	50.17.1541	.. 74 HC641 ..		Mot,NS,Ph,RCA,SGS,TI,To
IC....9	50.11.0104	.. uA 335 PC ..		Fc,Mot,NS
IC....10	50.17.1010	.. 74 HC 10 ..		Mot,NS,Ph,RCA,SGS,TI,To
IC....11	50.17.1273	.. 74 HC273 ..		Mot,NS,Ph,RCA,SGS,TI,To
IC....12	50.11.0104	.. uA 335 PC ..		Fc,Mot,NS
JS....1	00.00.0000			see note 1
JS....2	00.00.0000			see note 1
JS....3	00.00.0000			see note 1
JS....4	00.00.0000			see note 1
JS....5	00.00.0000			see note 1
JS....6	00.00.0000			see note 1
JS....7	00.00.0000			see note 1
JS....8	00.00.0000			see note 1
L....1	1.166.154.00			St
P....1	54.14.2003			see note 2
J....1	54.01.0226			see note 3
J....2	54.01.0226			see note 3
Q....1	50.03.0351	RC 327-25		ITT,Ph,Sie
Q....2	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....3	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....4	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....5	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....6	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....7	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....8	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....9	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....10	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six
Q....11	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	
Q....12	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six	
Q....13	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six	
Q....14	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six	
Q....15	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six	
Q....16	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six	
Q....17	50.03.1505	VN 0808M	VN 0808 MTR, 2VN 0108A	Fe,Six	
R....1	57.11.4152	1.5 kOhm	5%		
R....2	57.11.4122	1.2 kOhm	5%		
R....3	57.11.4102	1 kOhm	5%		
R....4	57.11.4683	68 kOhm	5%		
R....5	57.11.4683	68 kOhm	5%		
R....6	57.11.4683	68 kOhm	5%		
R....7	57.11.4683	68 kOhm	5%		
R....8	57.11.4683	68 kOhm	5%		
R....9	57.11.4683	68 kOhm	5%		
R....10	57.11.4683	68 kOhm	5%		
R....11	57.11.4683	68 kOhm	5%		
R....12	57.11.4103	10 kOhm	5%		
R....13	57.11.4270	27 Ohm	5%		
R....14	57.11.4270	27 Ohm	5%		
R....15	57.11.4270	27 Ohm	5%		
R....16	57.11.4270	27 Ohm	5%		
R....17	57.11.4270	27 Ohm	5%		
R....18	57.11.4270	27 Ohm	5%		
R....19	57.11.4270	27 Ohm	5%		
R....20	57.11.4270	27 Ohm	5%		
R....21	57.11.4683	68 kOhm	5%		
R....22	57.11.4683	68 kOhm	5%		
R....23	57.11.4683	68 kOhm	5%		
R....24	57.11.4683	68 kOhm	5%		
R....25	57.11.4683	68 kOhm	5%		
R....26	57.11.4683	68 kOhm	5%		
R....27	57.11.4683	68 kOhm	5%		
R....28	57.11.4683	68 kOhm	5%		
R....29	57.11.4270	27 Ohm	5%		
R....30	57.11.4270	27 Ohm	5%		
R....31	57.11.4270	27 Ohm	5%		
R....32	57.11.4270	27 Ohm	5%		
R....33	57.11.4270	27 Ohm	5%		
R....34	57.11.4270	27 Ohm	5%		
R....35	57.11.4270	27 Ohm	5%		
R....36	57.11.4270	27 Ohm	5%		
RZ....1	57.88.4103		R-Network 8*10 kOhm SIP 9 5%		
RZ....2	57.88.4332		R-Network 8*3 kOhm SIP 9 5%		
RZ....3	57.88.3472		R-Network 8*4,7 kOhm DIL 16 5%		
RZ....4	57.88.4332		R-Network 8*3,3 kOhm SIP 9 5%		
RZ....5	57.88.4103		R-Network 8*10 kOhm SIP 9 5%		
RZ....6	57.88.4332		R-Network 8*3,3 kOhm SIP 9 5%		
RZ....7	57.88.3472		R-Network 8*4,7 kOhm DIL 16 5%		
RZ....8	57.88.4332		R-Network 8*3,3 kOhm SIP 9 5%		
Note 1 - Contact pin, 2 pieces :		Studer	nr. 54.01.0020		
		Berg	nr. 75 160-100-36		
		Philips	nr. 2422 025 89303		
		Studer	nr. 54.01.0021		
		Berg	nr. 65 474-001		
		Philips	nr. 2422 024 88003		
Note 2 - Connector, 26 contacts:		Yamaichi	nr. FAP-16-08-4055		
		Burndy	nr. BPH 9 B16 800 GS		
			3M	nr. 7616-6002 VZ	
Note 3 - Connector, 20 Contacts:		AMP	nr. 1-163.680-9		
Sal=Solid Aluminium, PETP=Polyesterfilm.					
MANUFACTURER:		Fc=Fairchild, ITT=Intermetall, Mot=Motorola, Ph=Philips, RCA=Radio Corporation of America, Ri=Rifa, SGS=SGS/Ates, Sie=Siemens, Six=Siliconix, Tf=Telefunken, Tho=Thomson, TI=Texas Instrument, To= Toshiba			
1.328.506.00		AUDIO PARALLEL REMOTE IF		BD 87/03/3100	
END					

PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00

- Connector Pre-Wired 1.328.507.00



* Schaltdraht

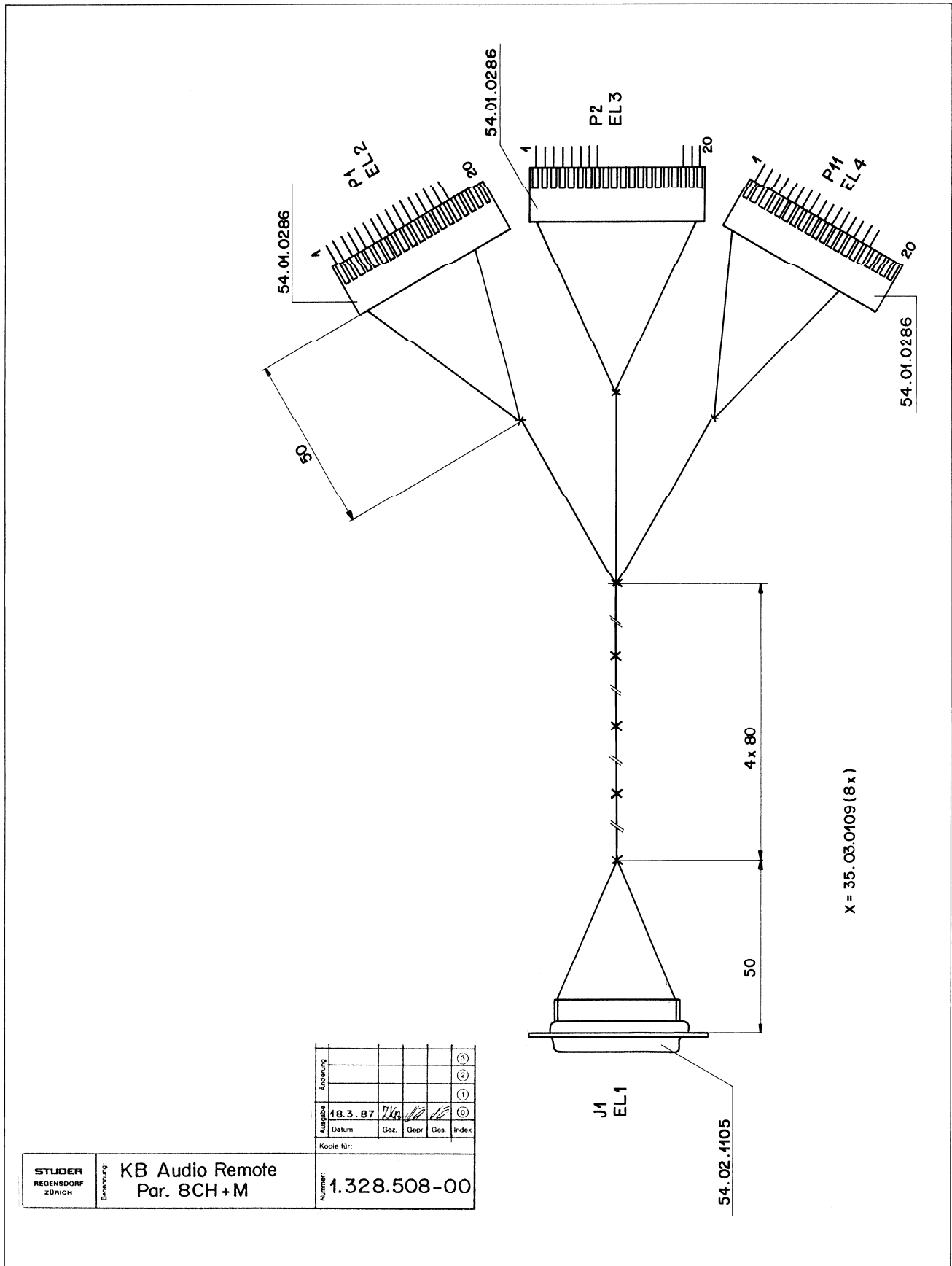
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Datum	Gez.	Gepr.	Gfs.	Index	

Kopie für:

STUDER REGENSDORF ZÜRICH	Bezeichnung:	Connector pre-wired	Nummer:	1.328.507.00

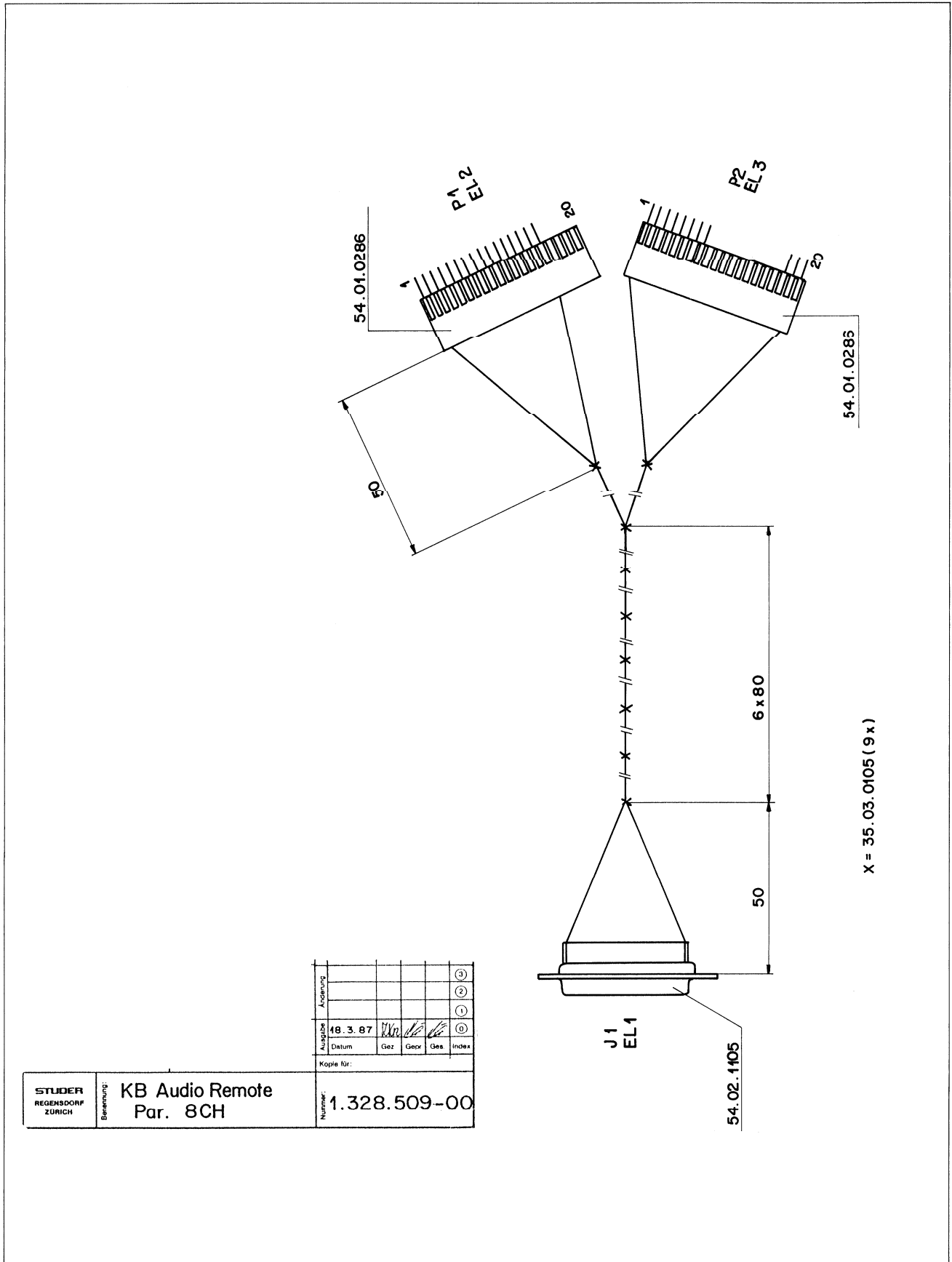
PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00

- KB Audio Remote Par. 8CH + M 1.328.508.00



PARALLEL REMOTE CHANNEL CONTROL INTERFACE 1.328.540.00

- KB Audio Remote Par. 8CH 1.328.509.00



X = 35.03.0105 (9x)

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STUDER
REGENSDORF
ZÜRICH

Benennung: KB Audio Remote
Par. 8CH

Kopie für:
Nummer: 1.328.509-00

18.3.87

Datum Gez Gepr Ges Index