



**ROHDE & SCHWARZ**

Test and Measurement  
Division

**Service Manual**

**AUDIO ANALYZER**

**UPL**

**10 Hz to 110 kHz**

**1078.2008.02/05**

Printed in the Federal  
Republic of Germany



## UPL Service Manual VOLUME 2

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All modules not listed above are no R&S developments but parts from suppliers.

As the individual manufacturers do not provide documents such as circuit diagrams or parts lists, repair down to component level is not possible.


In the case of complaint, the complete module has to be replaced.

The module can be bought via the appropriate R&S representative or directly via R&S, Zentralservice München.

A list of the spare parts and replacement parts is contained in VOLUME 1 of the Service Manual. The relevant Order Nos. can be found in the Parts List of the UPL (1078.2008.01 SA) in VOLUME 2, Register 1.



Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
.	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = GRUNDAUSFUEHRUNG, MIT S/W-LCD MOD 02 = BASIC MODEL, WITH MONOCHROME LCD VAR 05 = MIT FARB-LCD MOD 05 = WITH COLOUR LCD XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = GRUNDAUSFUEHRUNG MOD 02 = BASIC MODEL XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = MIT S/W-LCD MOD 02 = WITH MONOCHROME LCD VAR 05 = MIT FARB-LCD MOD 05 = WITH COLOUR LCD ZUEH. STROML./CIRC. DIAGR. CIRC. DIAGR. 1078.2008.01S				1078.2508.01	
.	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = GRUNDAUSFUEHRUNG MOD 02 = BASIC MODEL XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = MIT S/W-LCD MOD 02 = WITH MONOCHROME LCD VAR 05 = MIT FARB-LCD MOD 05 = WITH COLOUR LCD ZUEH. STROML./CIRC. DIAGR. CIRC. DIAGR. 1078.2008.01S				1078.2308.01	
A1	ED NETZTEILPLATTE POWER SUPPLY BOARD HIERZU STROML. 1078.2608 S SEE CIRC. DIAGR. 1078.2608 S	1078.2608.02			1078.2508.01	
A2	GM FRONTTEILESATZ UPL . FRONT PANEL SET BLENDE/BLIND = 858.1113.00 SCHALTEINHEIT/SWITCH UNIT= 858.1120.00	1078.3356.00	LUCAS DURA R&S-ZEICHNG. 1078.33		1078.2308.01	
A3	ED ANALOG UNIT ANALOG UNIT HIERZU STROML. 1078.2908 S SEE CIRC. DIAGR. 1078.2908 S	1078.2908.02				
A4	BV TCXN214 DC/AC-WANDLER DC-AC INVERTER MODULE	0009.8379.00	TAMURA HIN TCXN-214		1078.2308.01	
A5	GM 3,5" FLOPPY DISK DRIVE FLOPPY DRIVE 3.5"	0010.9646.00	SONY	MPF520-V, AT-GRAU		
A6	GM LAUFW. 2,5" 540MB 2,5" HARD DISK DRIVE	0009.8191.00	HITACHI	MODEL DK222A-54		
A7	GM MAINBOARD 386DX40 MAINBOARD 386DX40 NUR VAR/ONLY MOD: 02	1078.3140.00	SHUTTLE CD 327			
A7	GM 486 AT-BOARD F.UPD/CRT MAINBOARD NUR VAR/ONLY MOD: 05	1030.8841.00	ABIT COMPU AH4T MIB 486			
A8	EM DREHIMPULSGEBER ROTARY PULSE GENERATOR	0852.1140.00	HE-GES ELE 22/91501S013-003.000		1078.2308.01	
A9	ED DIGITAL BOARD DIGITAL BOARD ENTHALTEN IN/INCLUDED IN 1078.2708.02 HIERZU STROML. 1078.2708 S SEE CIRC. DIAGR. 1078.2708 S	1078.2737.02				
A10	ZJ POWER SUPPLY UNIT	1078.2508.02				
A20	ZE FRONT PANEL UNIT NUR VAR/ONLY MOD: 02	1078.2308.02				
A20	ZE FRONT PANEL UNIT NUR VAR/ONLY MOD: 05	1078.2308.05				
A70	BC 4MB SIMM72-MOD.70N IC MEMORY MOD	0010.9200.00	FUJITSU LI MB85323A-70PJPB			
A71	EE AT-BUS ADAPTER AT BUS ADAPTER	1078.2808.02				
A90	ED XLR-ADAPTER XLR ADAPTER ENTHALTEN IN/INCLUDED IN 1078.2708.02 HIERZU STROML. 1078.2708 S SEE CIRC. DIAGR. 1078.2708 S	1078.2720.02				
D7	BC A80486DX4-75 3,3V CPU MICROPROCESSOR NUR VAR/ONLY MOD: 05	0010.7789.00	INTEL	A80486DX4-75		
E1	DX FAN UNIT	1030.9648.00				
1GPK	295 3PUA	Äi	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
	<b>ROHDE &amp; SCHWARZ</b>	07	10.03.97	GG UPL AUDIO ANALYZER	<b>1078.2008.01 SA</b>	1+


095.0028-0693



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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
F1	SS SCHMELZ. T2, 5HIEC127-2V FUZE SICHERUNG F. 220/230V FUZE FOR 220/230V ***** SS 0020.7600 T4,OH FUER/FOR 100/120V	SS 0020.7575.00	WICKMANN	T2.5 H NR. 19181	1078.2508.01
F2	SS SCHMELZ. T2, 5HIEC127-2V FUZE SICHERUNG F. 220/230V FUZE FOR 220/230V ***** SS 0020.7600 T4,OH FUER/FOR 100/120V	SS 0020.7575.00	WICKMANN	T2.5 H NR. 19181	1078.2508.01
H1	BP LCD 640X480 FSTN S/W LC-DISPLAY MODULE NUR VAR/ONLY MOD: 02	0009.7172.00	SHARP	LM64P12	1078.2308.01
H1	BP TFT 640X3X480 FARB-LCD LC DISPLAY MODULE NUR VAR/ONLY MOD: 05	0009.7166.00	TOSHIBA	LTM08C015K	1078.2308.01
S1	SB NETZSCHALTER 2XA 0.KN. POWER-SWITCH	SB 1030.8387.00	SCHADOW	100100-7043	1078.2508.01
T1	LT RINGKERNTRAFD TRANSFORMER	1078.2572.00			1078.2508.01
W10	DX DIGITAL POWER CABLE	1078.3010.00			
W12	DF KONF. KABEL 16P.F.LCD CABLE NUR VAR/ONLY MOD: 02	1031.0267.00	ELKATEC GM	R&S-ZCHNG. 1031.0267	1078.2308.01
W12	DF KONF. KABEL 20P.F.LCD CABLE NUR VAR/ONLY MOD: 05	1031.0221.00	ELKATEC GM	R&S-ZCHNG. 1031.0221	1078.2308.01
W24	DY HDD DATA CABLE	1078.3079.00			
W28	DX FDD POWER CABLE	1078.3027.00			
W41	DF ADAPTERKABEL 2P.F.LCD CABLE NUR VAR/ONLY MOD: 02	1031.0250.00	ELKATEC GM	R&S-ZCHNG. 1031.0250	1078.2308.01
W41	DF ADAPTERKABEL 4P. 3STV CABLE NUR VAR/ONLY MOD: 05	1031.0209.00	ELKATEC GM	R&S-ZCHNG. 1031.0209	1078.2308.01
W43	DF KABEL 4POL.M.2XBUCHSE CABLE	1031.0215.00	ELKATEC GM	R&S-ZCHNG. 1031.0215	1078.2308.01
W71	DX POWER GOOD CABLE	1078.3033.00			
W72	DX KEYBOARDKABEL KEYBOARD CABLE	1075.3784.00			
W75	DX SPEAKER CABLE	1078.3040.00			
X1	FV FLACHSTECKER GR.6,3 CONNECTOR	FV 0438.0453.00	AMP	140 814-2	
Z1	FN EURO-ST.M.NETZFILTER4A FILTER W. VOLTAGESLECTION	FN 0006.0919.00	SCHAFFNER	FS3442-4/16	1078.2508.01

1GPK	295 3PUA	Äi	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
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	07	10.03.97	GG UPL AUDIO ANALYZER	<b>1078.2008.01 SA</b>	2-
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095.0026-0693





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F

E

D

C

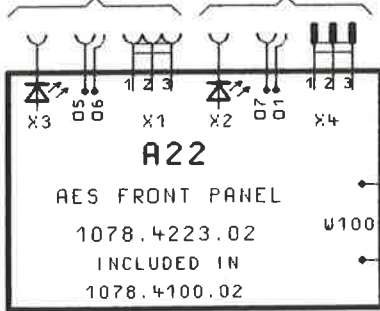
B

A

FRONT PANEL

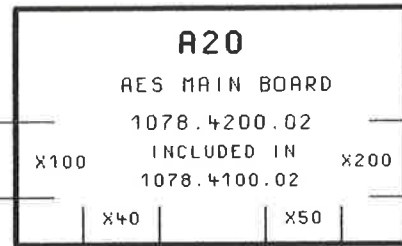
DIGITAL INPUT

DIGITAL OUTPUT



OPTION  
UPL-B2

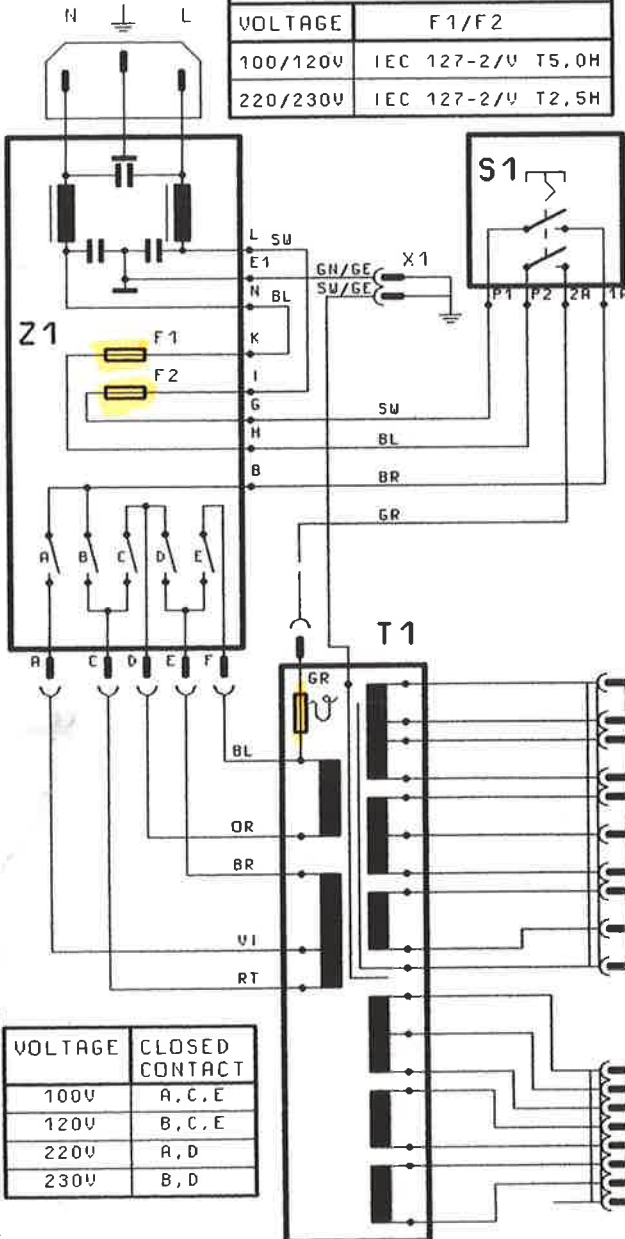
DIG. AUDIO I/O  
1078.4000.02



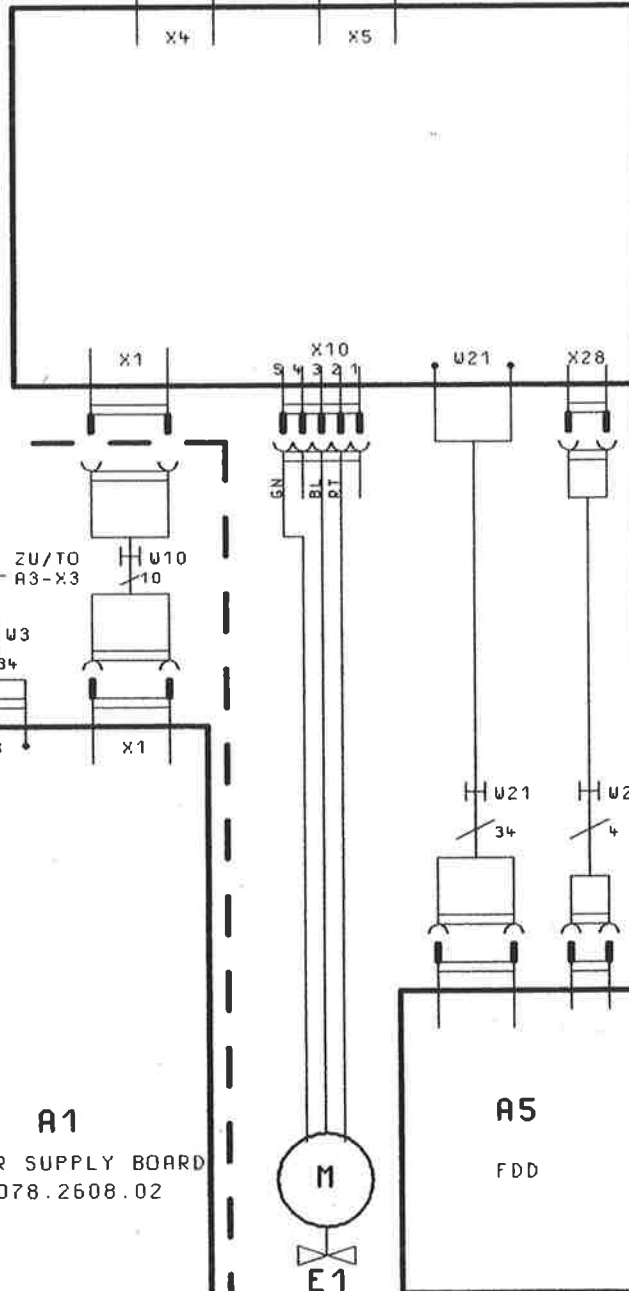
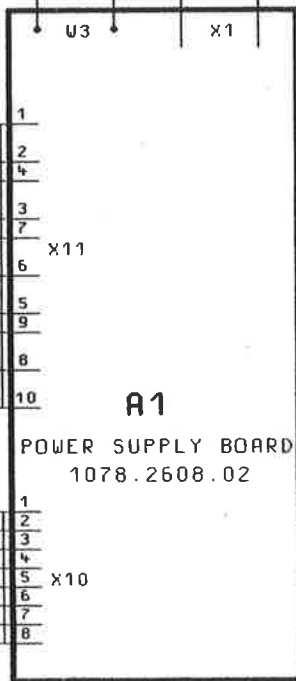
A10

100/120V POWER SUPPLY UNIT 1078.2508.02  
220/230V  
47...63HZ

FUSE	
VOLTAGE	F1/F2
100/120V	IEC 127-2/V T5,0H
220/230V	IEC 127-2/V T2,5H



VOLTAGE	CLOSED CONTACT
100V	A, C, E
120V	B, C, E
220V	A, D
230V	B, D



FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

ZEICHN.-NR

1

2

3

4

5

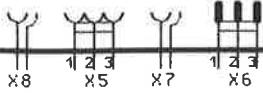
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7

8

REAR PANEL

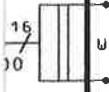
SYNC REF SYNC REF  
IN IN OUT OUT



A21

AES REAR PANEL

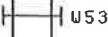
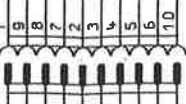
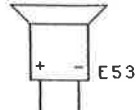
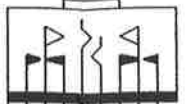
1078.4217.02  
INCLUDED IN  
1078.4100.02



OPTION  
UPL-B5

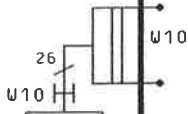
AUDIO MONITOR  
1078.4600.02

FRONT PANEL



A50

AUDIO MONITOR  
1078.4700.02



VGA

COM1

CO

X99

X52

X20

X2

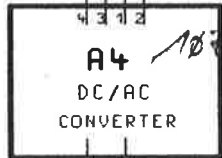
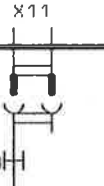
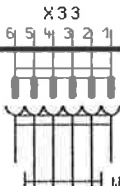
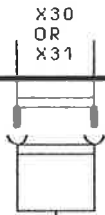
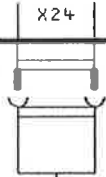
A9

DIGITAL BOARD

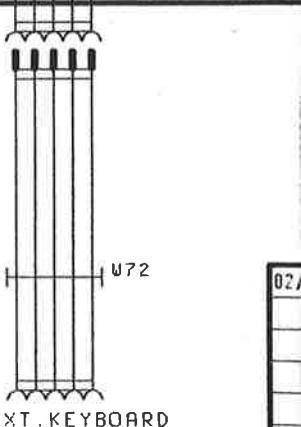
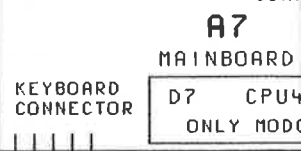
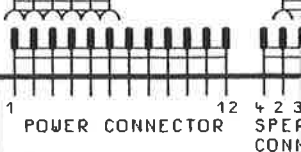
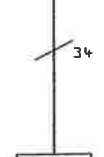
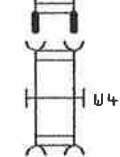
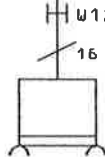
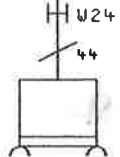
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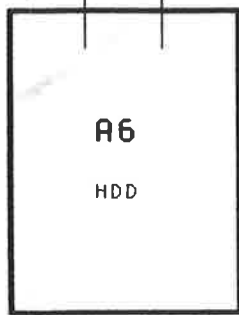
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A4  
DC/AC  
CONVERTER

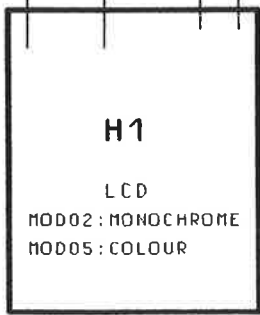


A7  
MAINBOARD  
D7 CPU4  
ONLY MOD



A6

HDD



A1

LCD  
MOD02: MONOCHROME  
MOD05: COLOUR



A2

SOFTKEY  
KEYBOARD



A8

DREHIMPULS  
GEBER  
KNOB



A20

FRONT PANEL UNIT  
1078.2308.02/05

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

ZEICHN. - NR

2

9

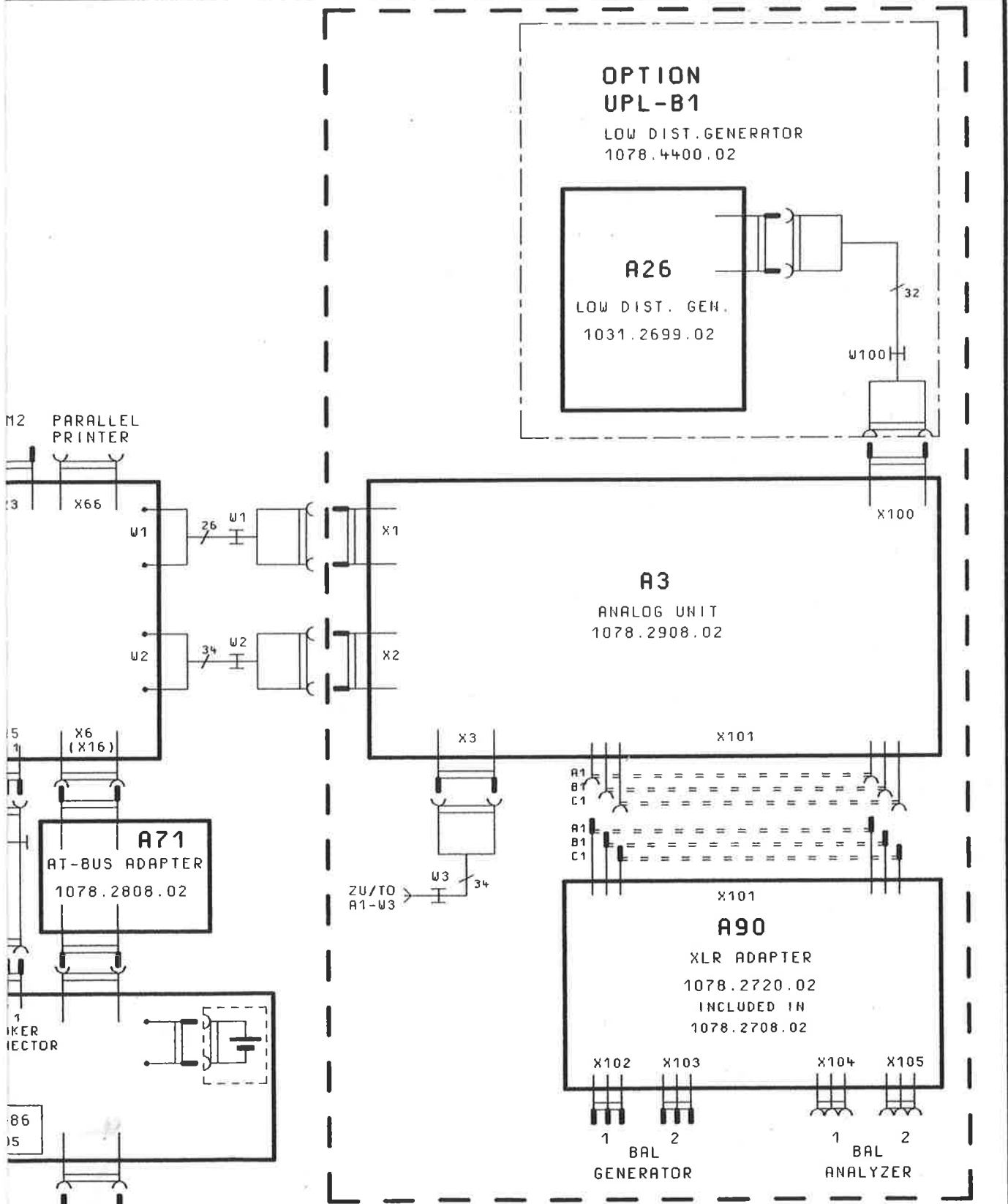
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02

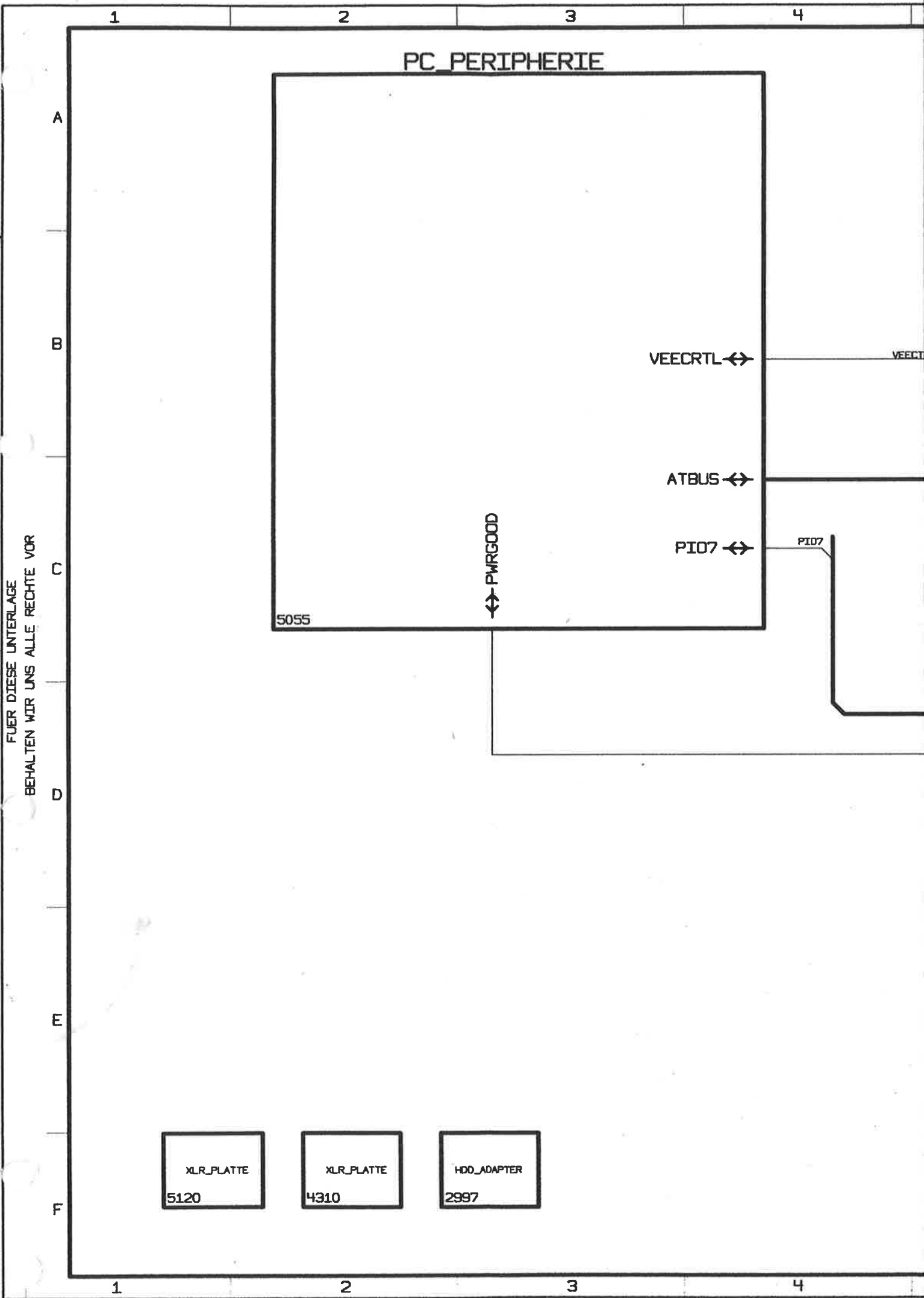
RE

IN



STROMLAUF GILT FUER VAR.02/05  
 CIRCUIT DIAGRAM IS VALID FOR MOD.02/05

00				1GPK	TAG	NAME	BENENNUNG		
				BEARB.		SR	U P L AUDIO ANALYZER		
				GEPR.		SR			
				NORM					
				PLOTT	12.08.96				
				 <b>ROHDE &amp; SCHWARZ</b>			ZEICHN.-NR.	BLATT-NP.	
								<b>1078.2008.015</b>	1+
VD. D.	ÄNDERUNGS-NITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	PEG. I. V.	1078.2008	EPSTE Z.	000.0000



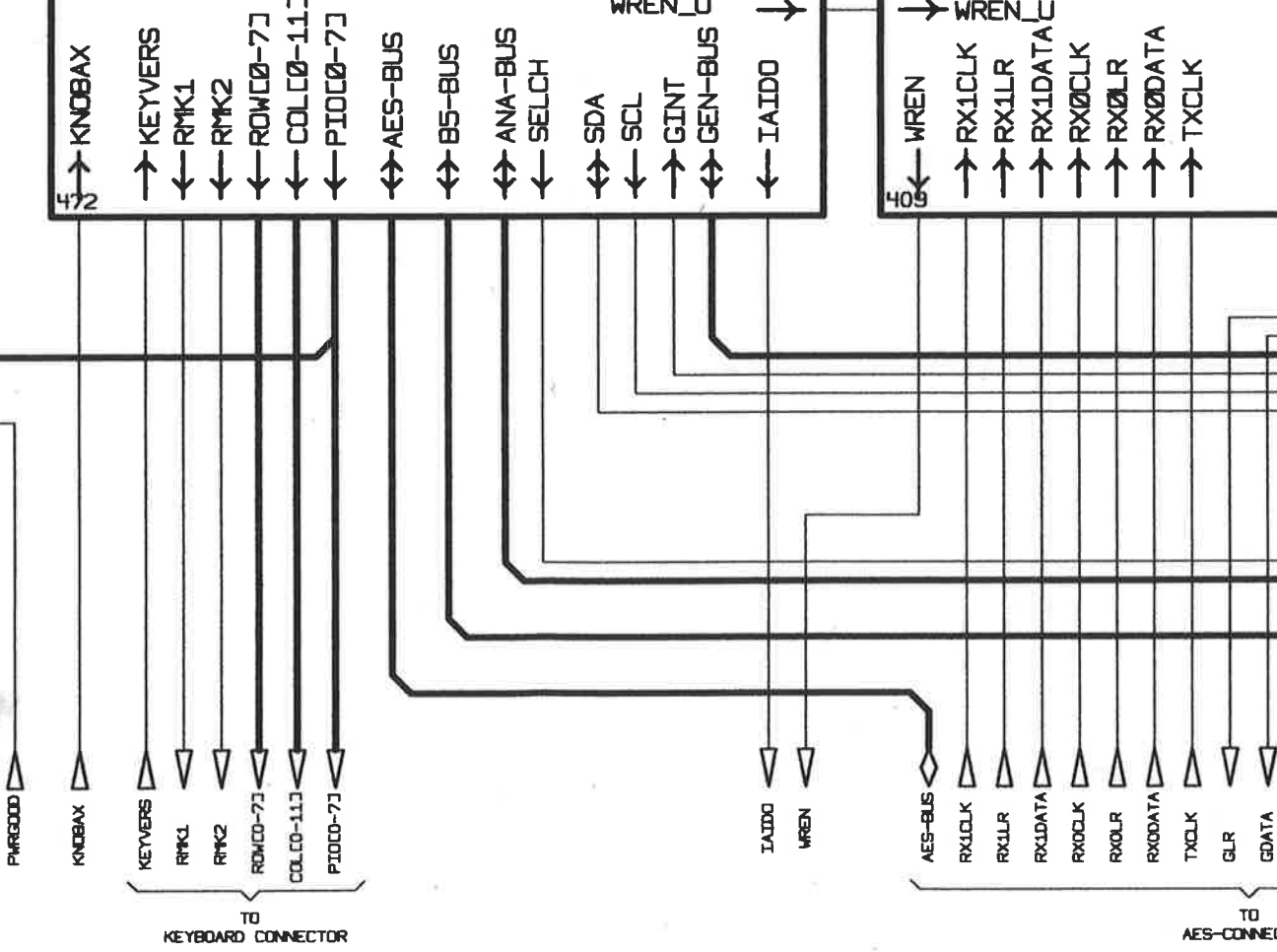
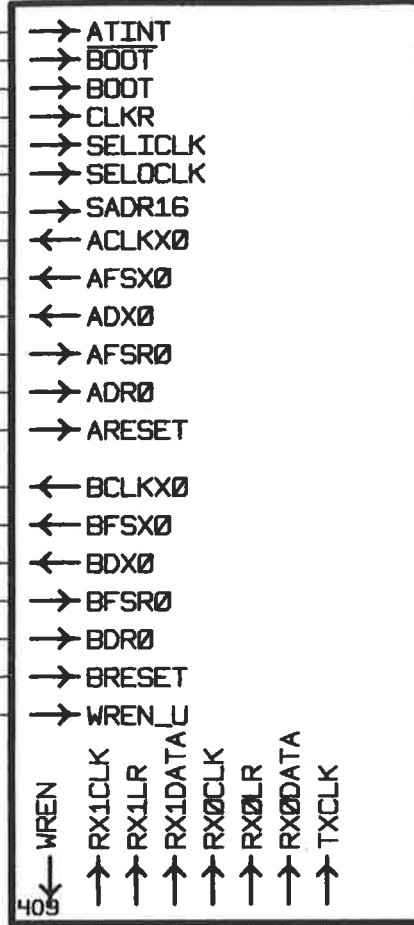
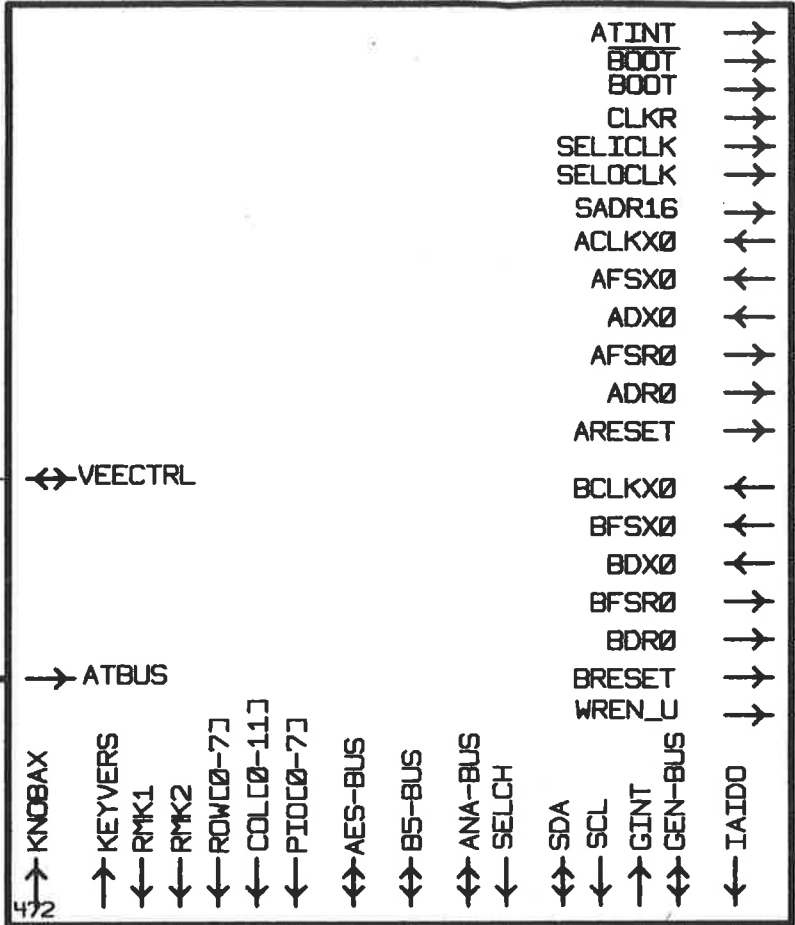
5

6

7

8

# AT\_INTERFACE



BEHALTEN WIR UNS ALLE RECHTE VOR FÜR DIESE UNTERLAGE



**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.

**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

5

6

7

8

05

0H

AEND.

IND.

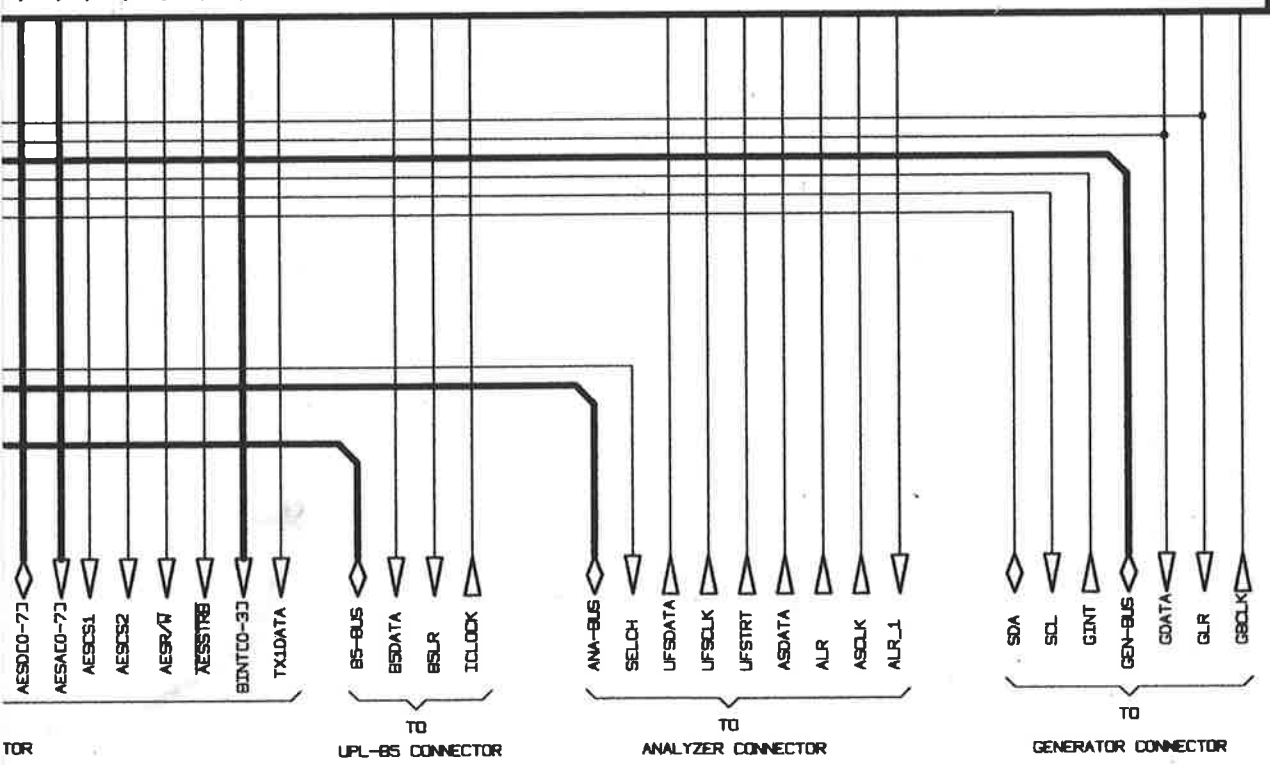
# DSP

- ↔ AESD[0-7]
- ← AESA[0-7]
- ← AESCS1
- ← AESCS2
- ← AESR/W
- ← AESSTRB
- ← BINT[0-3]
- ← TX1DATA

- ← B5DATA
- ← B5LR
- ↑ ICLOCK

- UFSDATA
- UFSCLK
- UFSTRT
- ASDATA
- ALR
- ASCLK
- ← ALR\_1

- ← GDATA
- ← GLR
- GBCLK



		1GPK	TAG	NAME	BENENNUNG	
		BEARB.		SR	DIGITAL_UNIT	
		GEPR.		SR		
		NORM				
		PLOTT	17.08.98		top	
		ROHDE&SCHWARZ			ZEICHN.-NR.	
					1078.2708.01S	
					sheet0	
					BLATT-NR.	
					1	
					v. 19 Bl.	
AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET UPL		REG.I.V. 1078.2008	ERSTE Z. 1078.2008

1 2 3 4

A

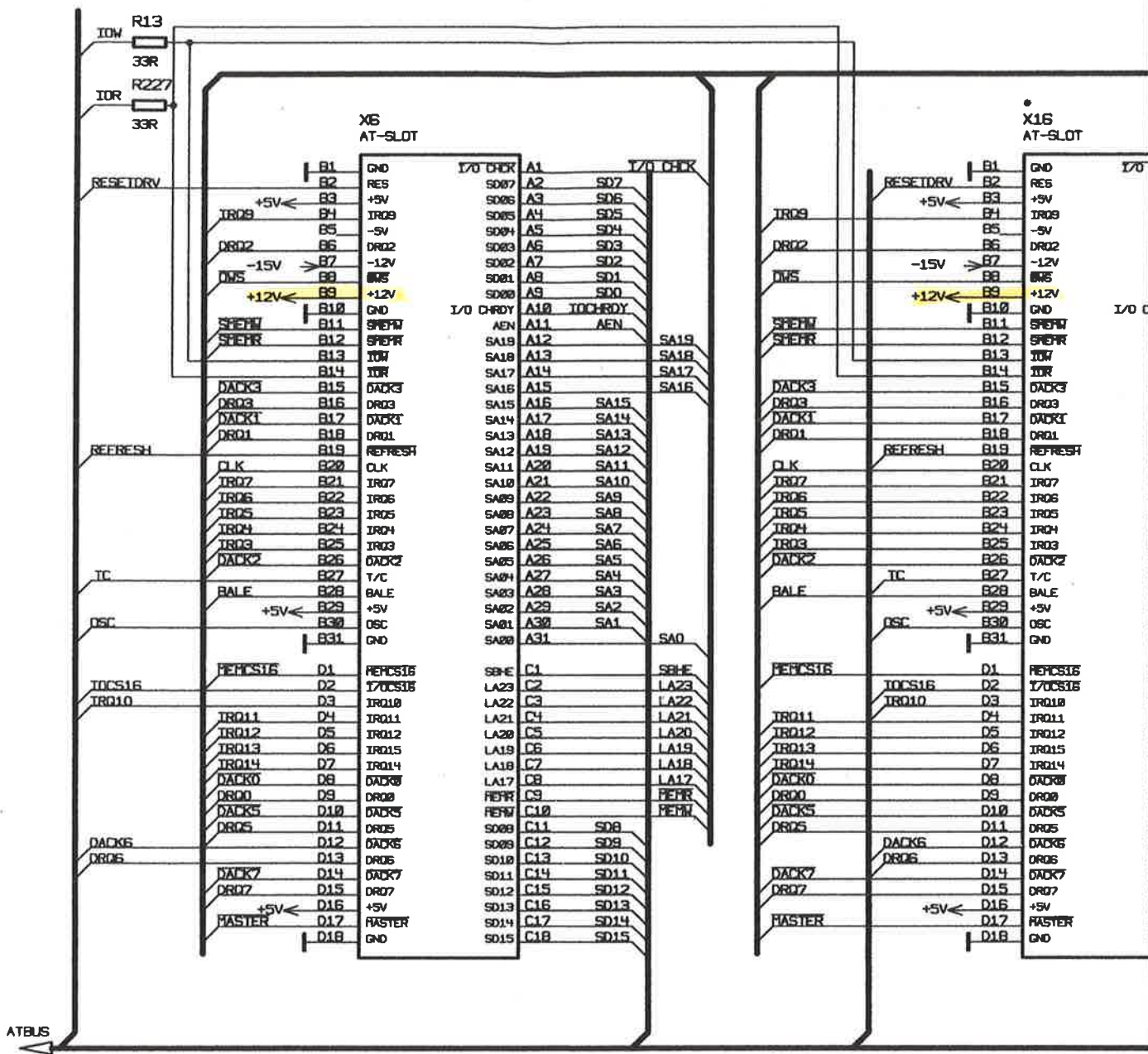
B

C

D

E

F

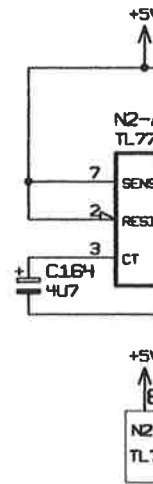


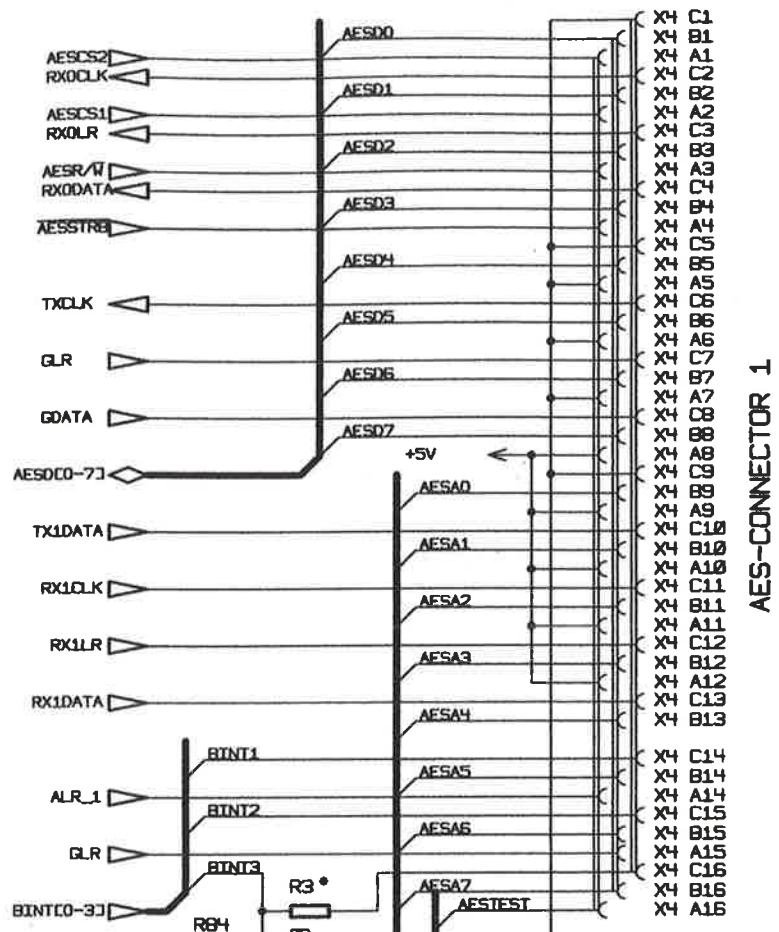
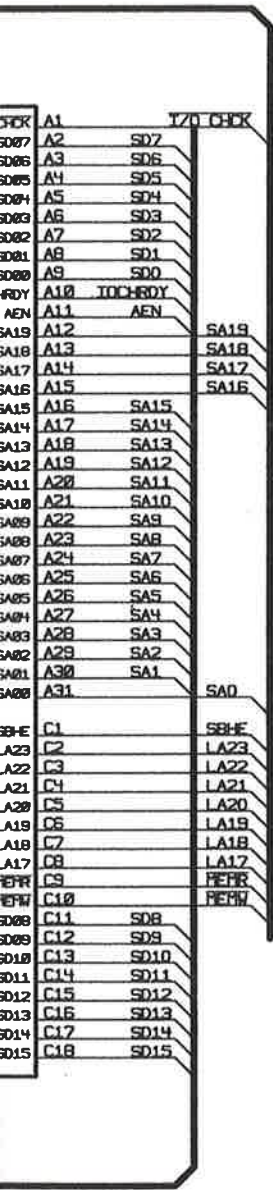
FÜR DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR

ATBUS

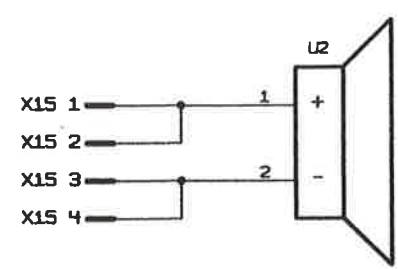
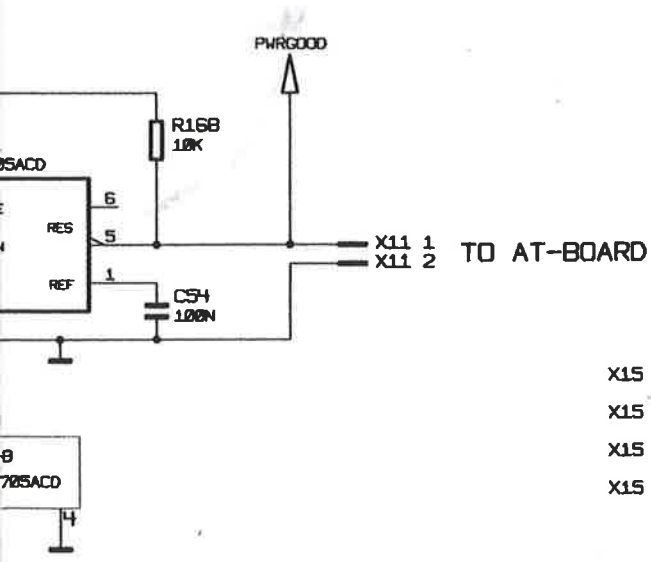
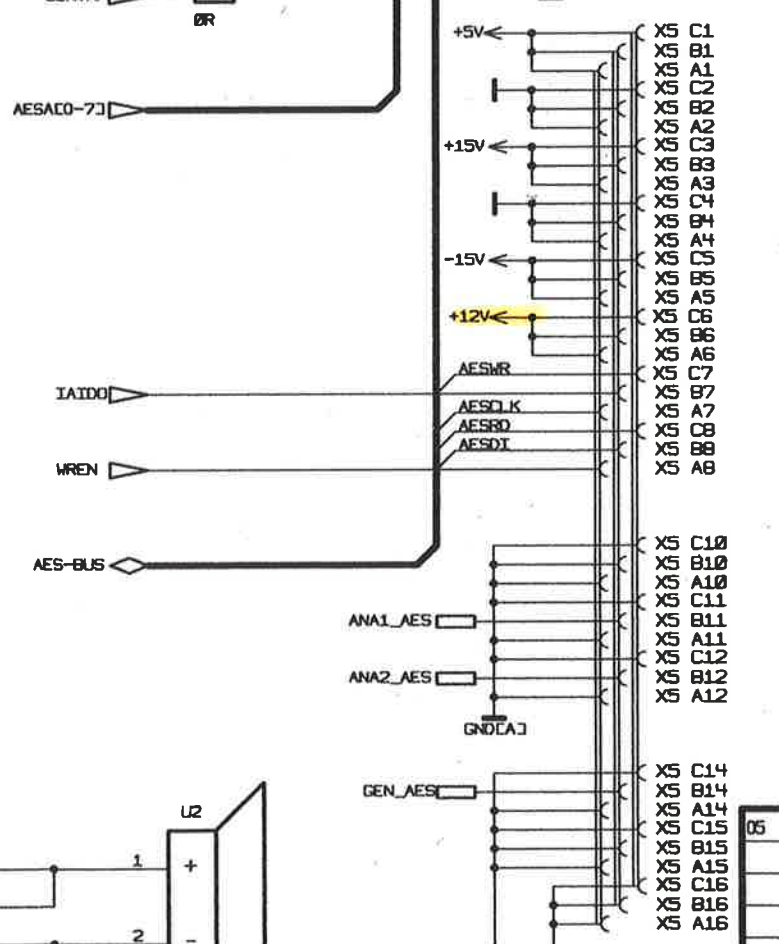
1 2 3 4

\* = NOT FITTED





AES-CONNECTOR 1



05  
04  
AEND  
IND.



A

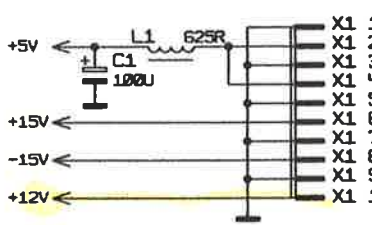
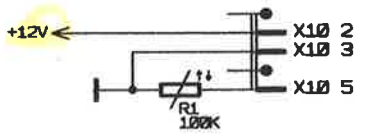
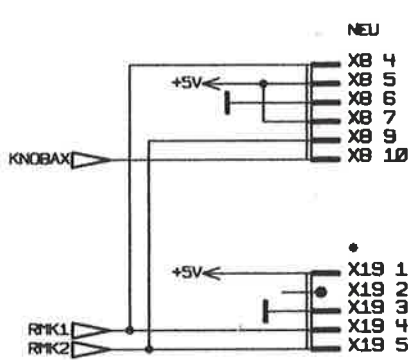
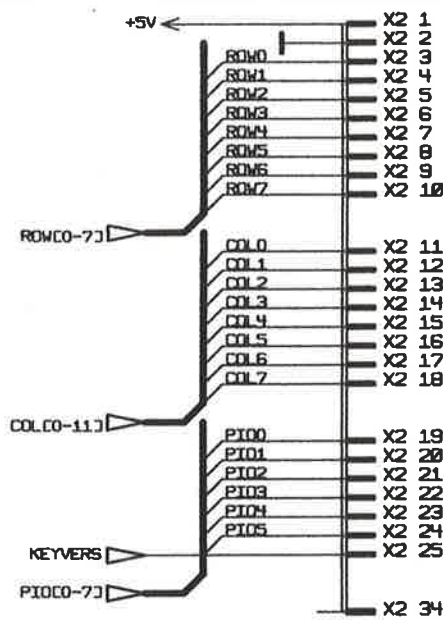
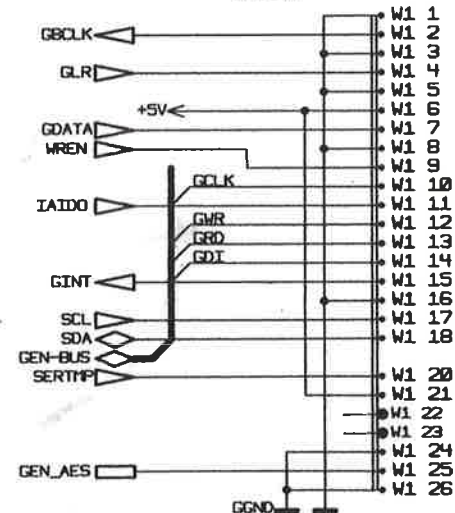
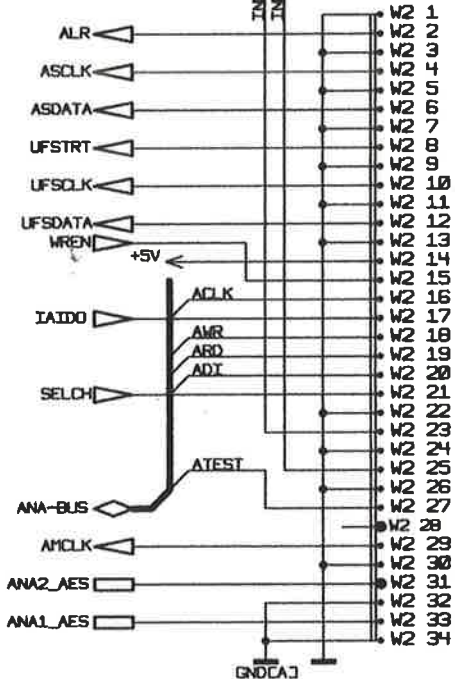
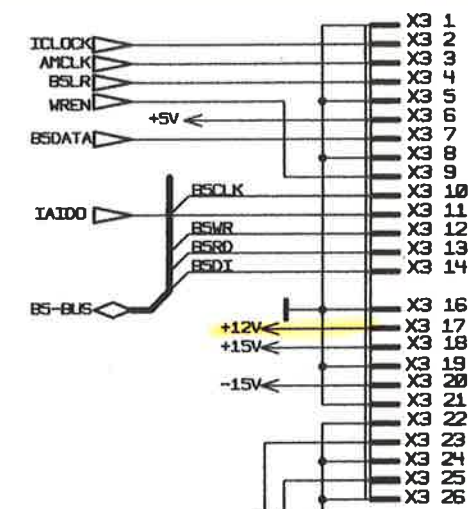
B

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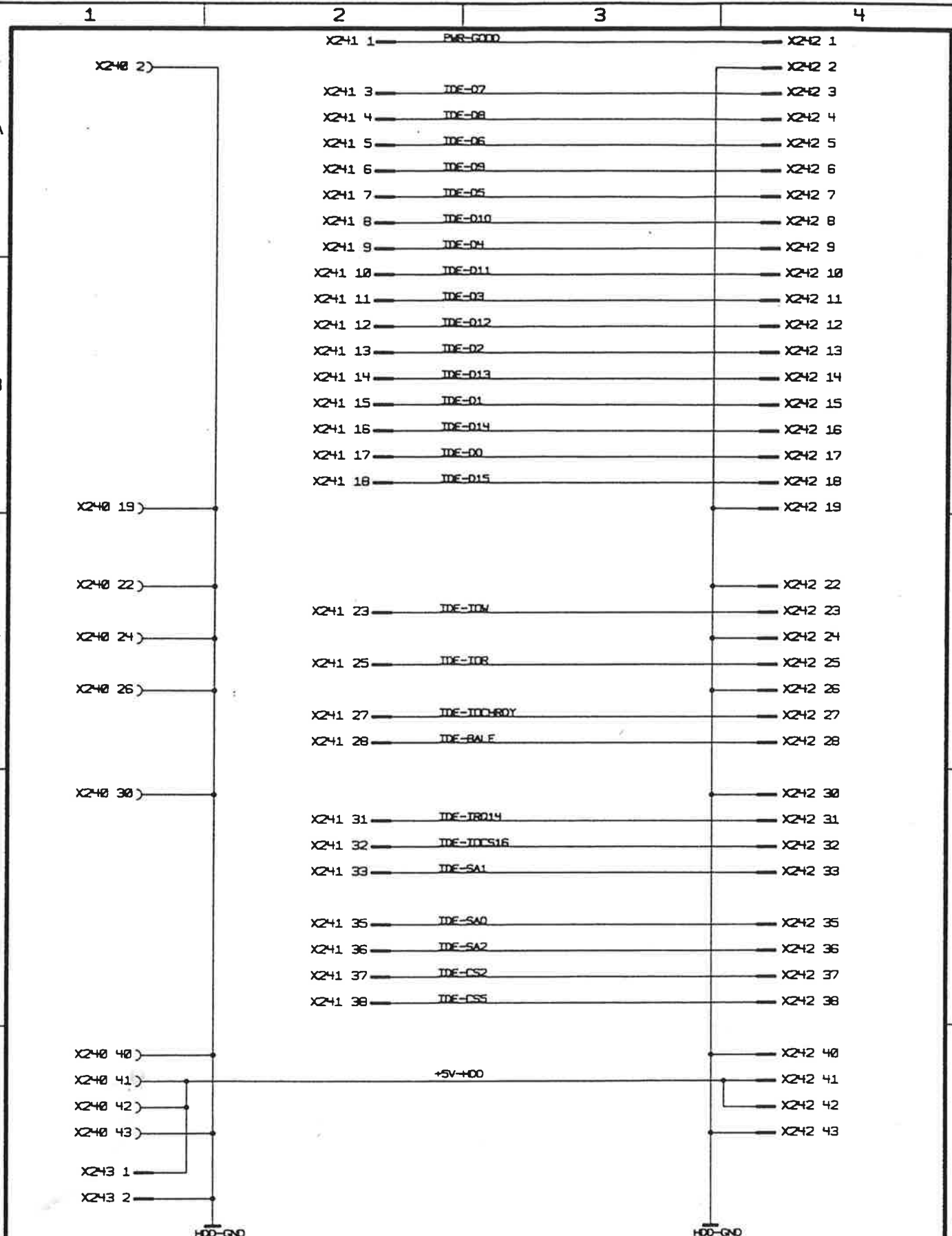
F



**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

			1GPK	TAG	NAME	BENENNUNG	
			BEARB.		SR	DIGITAL_UNIT	
			GEPR.		SR	DIGITAL_UNIT	
			NORM				
			PLDIT	17.06.98		top	sheet1
			ROHDE&SCHWARZ			ZEICHN.-NR.	BLATT-NR.
			ZU GERAET UPL			1078.2708.01S	2
						REG.I.V. 1078.2008	v. 19 B.
						ERSTE Z. 1078.2008	

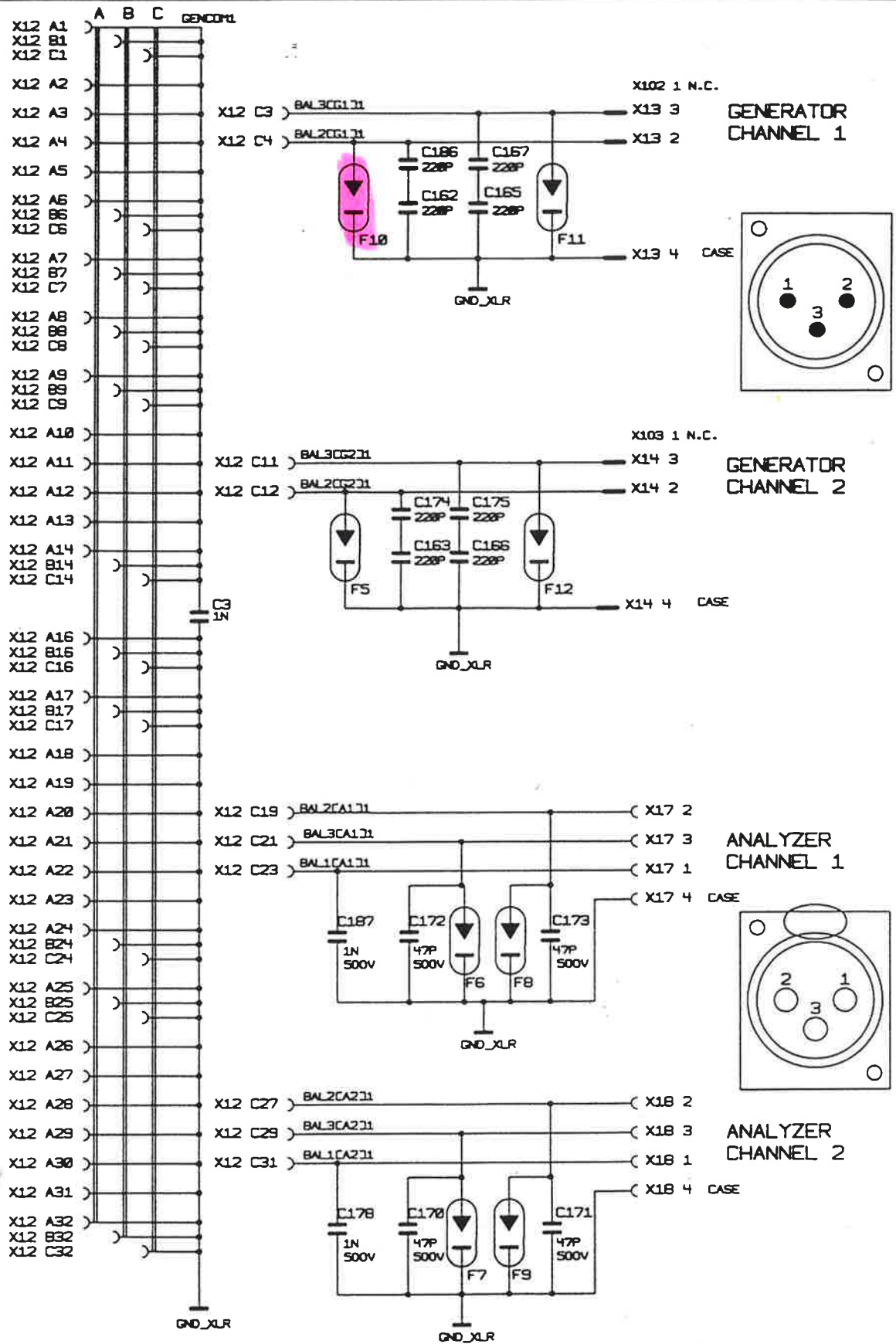
FUER DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR



05				1GPK	DATUM	NAME	BENENNUNG	
				BEARB.		SR	DIGITAL_UNIT	
				GEPR.		SR	DIGITAL_UNIT	
				NORM			top/HDD_ADAPTER_2997	sheet0
				PLOTT	17.06.98		ZEICHN.-NR.	BLATT-NR.
				ROHDE&SCHWARZ			1078.2708.01S	3
04	AEND.	AENDERUNGS-	DATUM	NAME			REG.I.V.	ERSTE Z.
IND.	MITTEILUNG				ZU GERAET UPL	1078.2008	1078.2008	v. 19 BL.

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

1 2 3 4



05				1GPK	TAG	NAME	BENENNUNG DIGITAL_UNIT DIGITAL_UNIT top/XLR_PLATTE_4310 ZEICHN.-NR. 1078.2708.01S	sheet0 BLATT-NR. 4 v. 19 Bl.	
				BEARB.		SR			
				GEPR.		SR			
				NORM					
				PLOTT	17.06.98				
04	ROHDE & SCHWARZ								
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. I.V.	1078.2008	ERSTE Z.	1078.2008

1 2 3 4

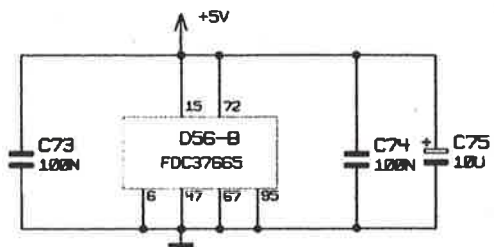
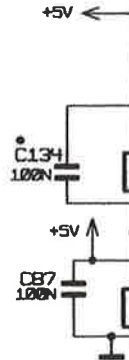
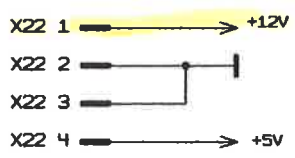
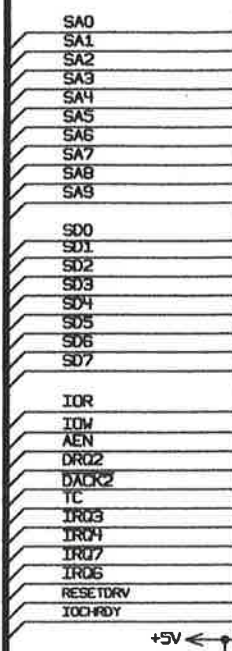
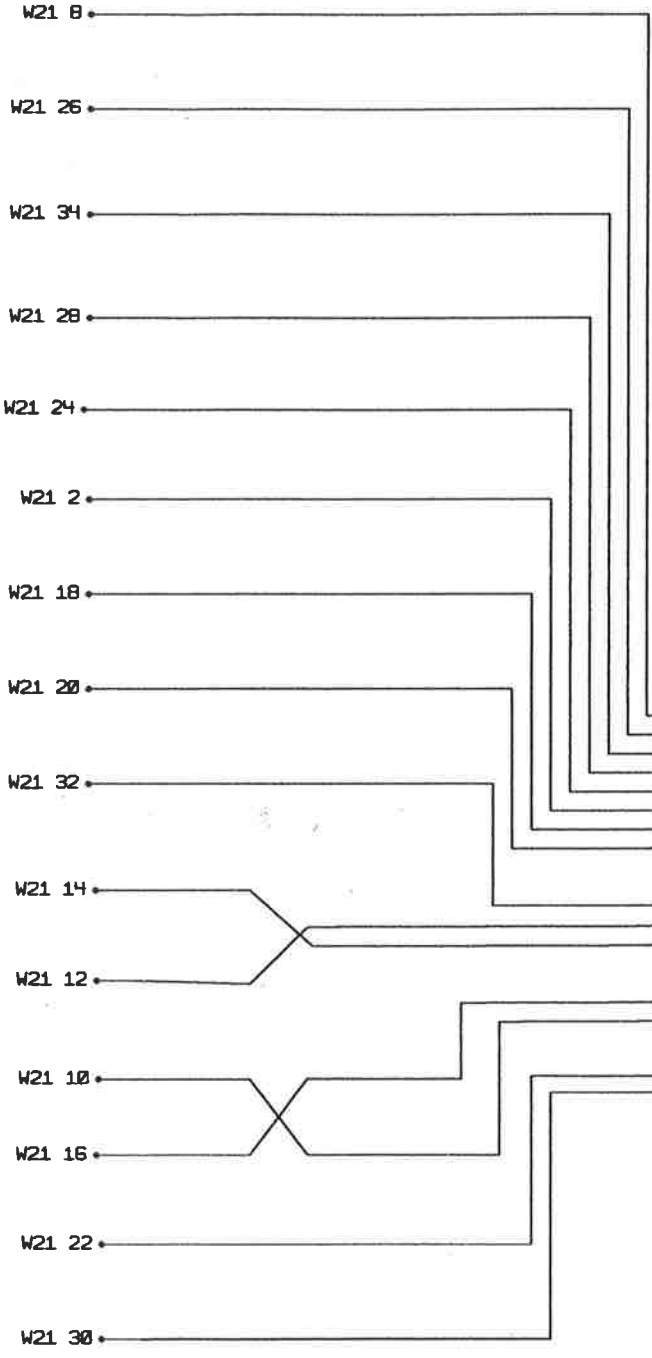
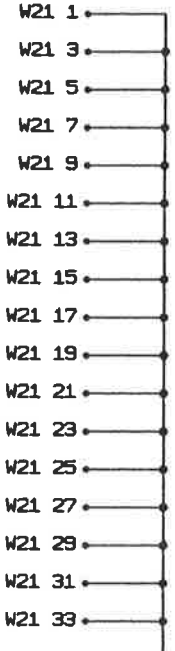
X

# FLOPPY

FÜR DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR

A  
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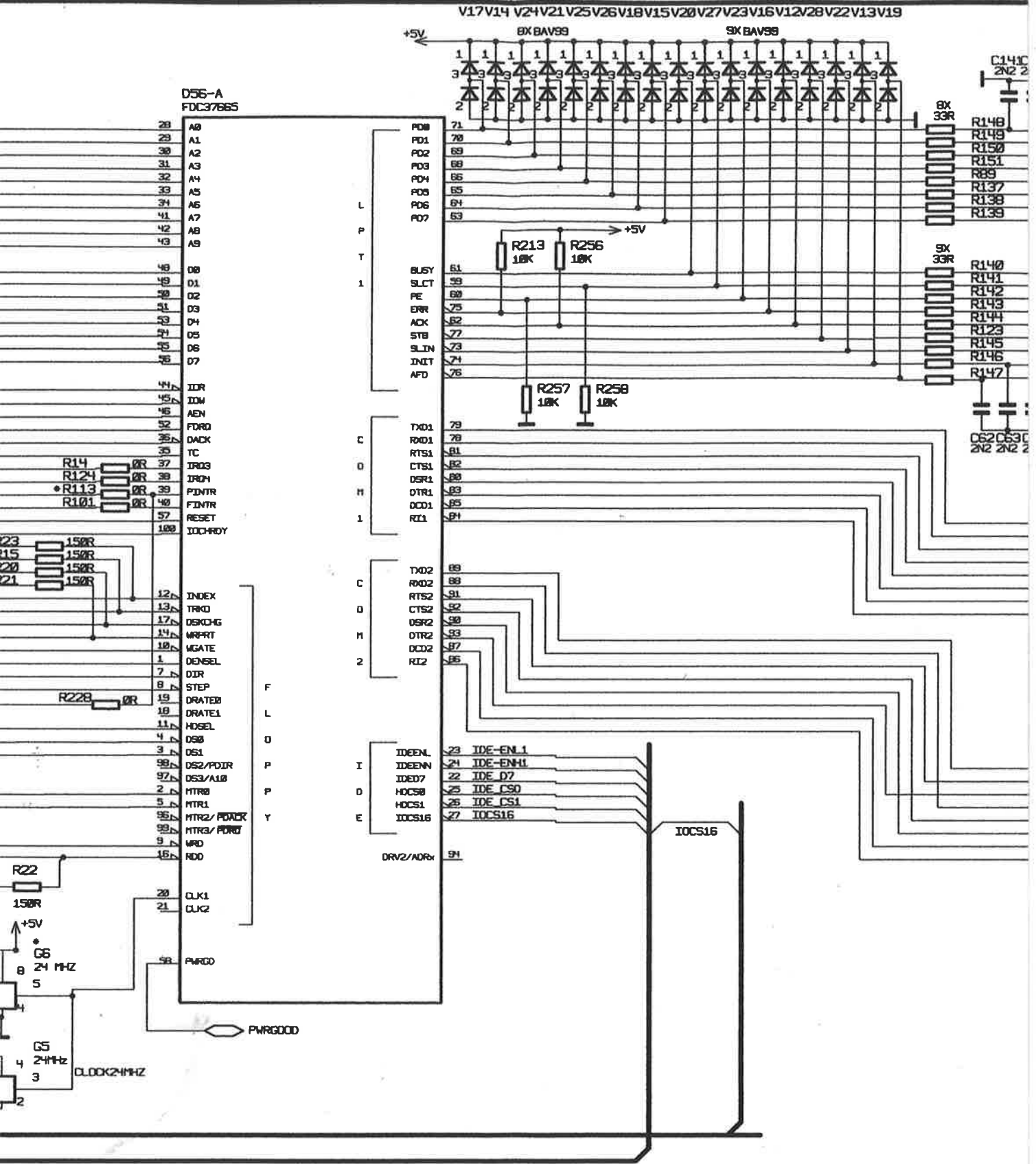
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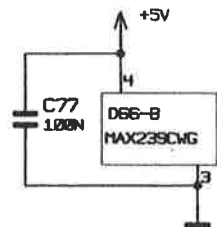
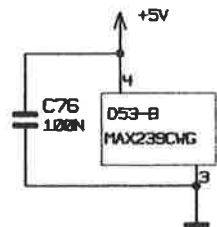
8



\* = NOT FITTED



**ACHTUNG: EGBI**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING



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14C28 C33 C52 C59 C60 C61  
2 2N2 2N2 2N2 2N2 2N2 2N2

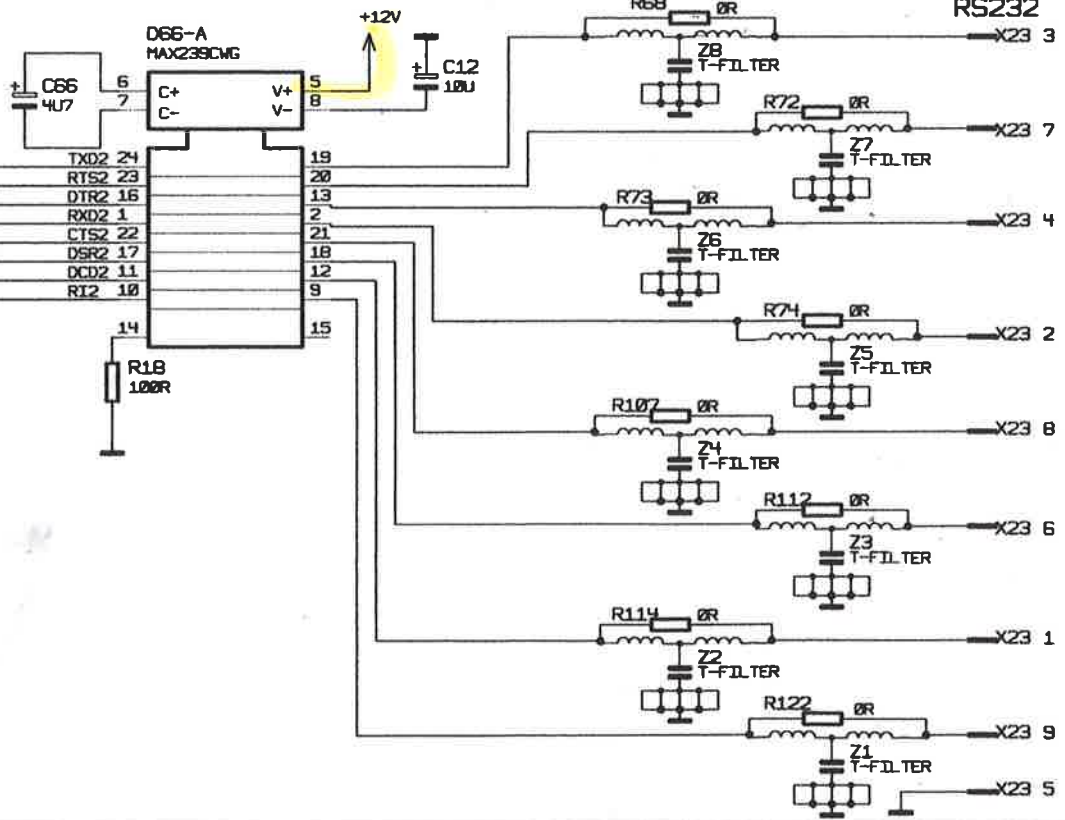
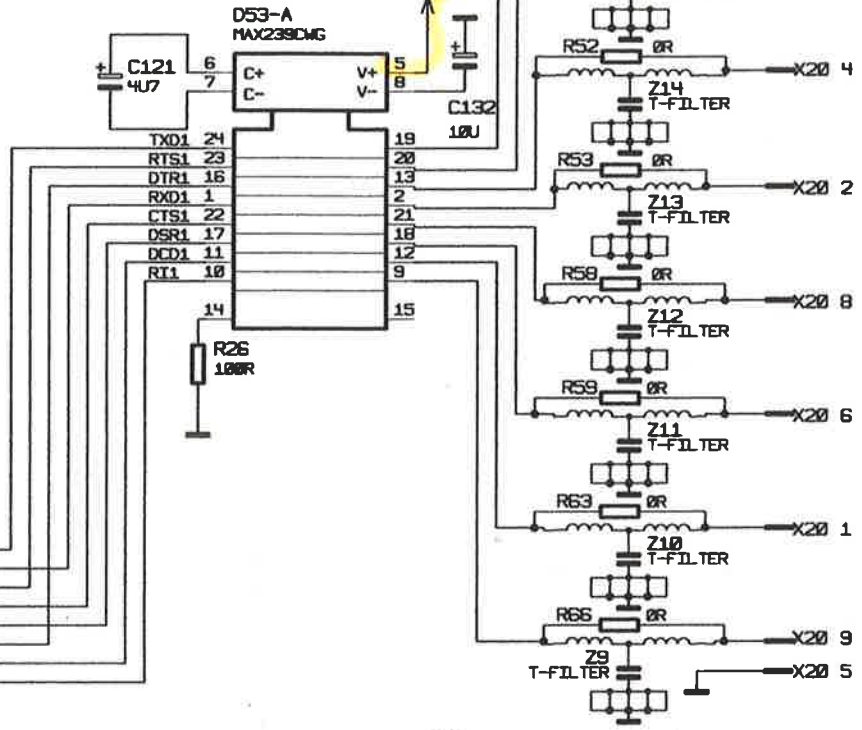
PD0 X66 2  
 PD1 X66 3  
 PD2 X66 4  
 PD3 X66 5  
 PD4 X66 6  
 PD5 X66 7  
 PD6 X66 8  
 PD7 X66 9

BUSY X66 11  
 SLC T X66 13  
 PE X66 12  
 ERROR X66 15  
 ACK X66 10  
 STROBE X66 1  
 SCL T IN X66 17  
 INIT X66 16  
 AUTOFD X66 14

64 C65 C57 C68 C69 C70 C71  
2 2N2 2N2 2N2 2N2 2N2

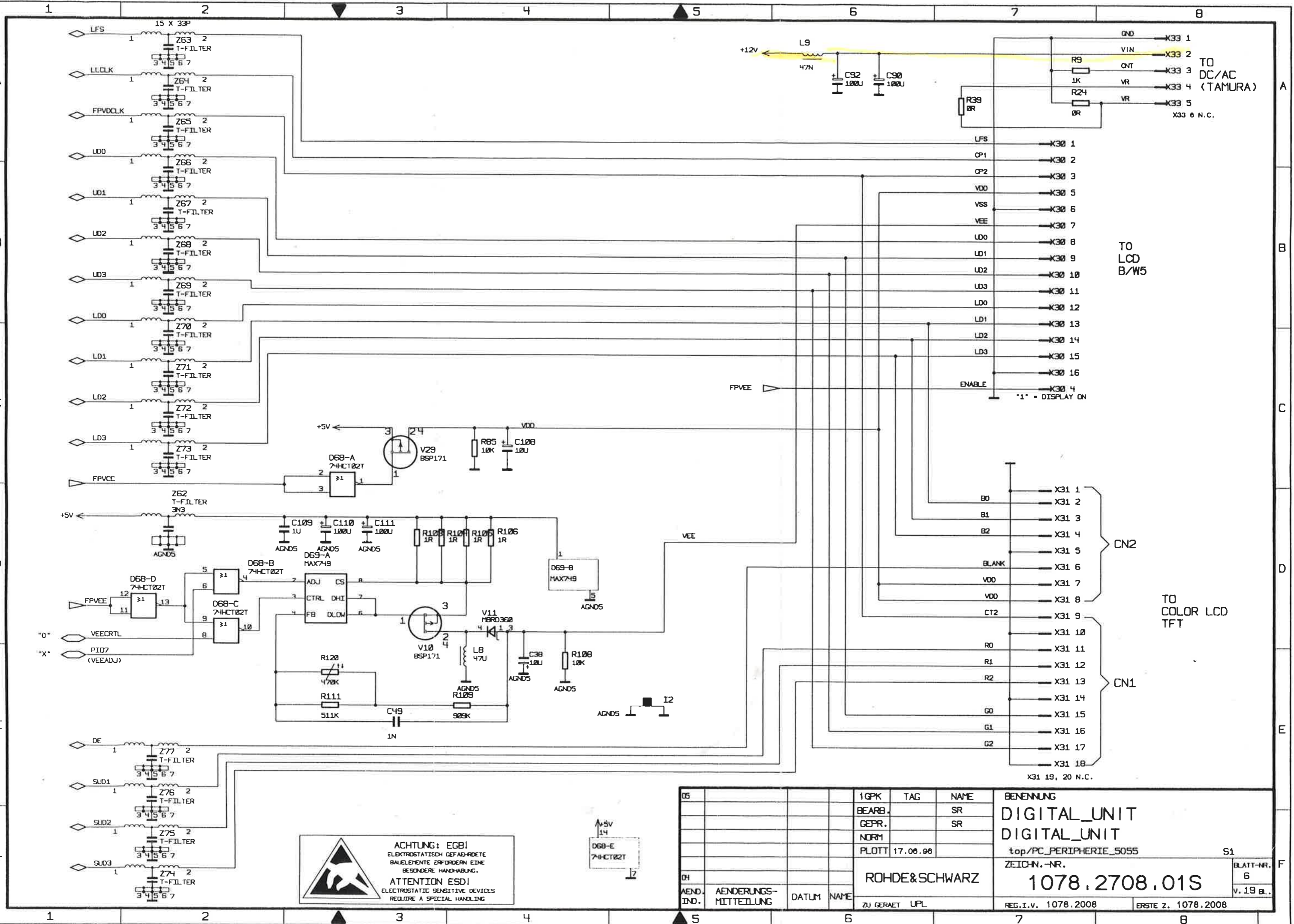
X66 21  
 X66 23  
 X66 25  
 X66 18  
 X66 20  
 X66 22  
 X66 19

### LPT1



			1GPK	TAG	NAME	BENENNUNG	
			BEARB.		SR	DIGITAL_UNIT	
			GEPR.		SR	DIGITAL_UNIT	
			NORM				
			PLDIT	17.08.98		top/PC_PERIPHERIE_5055	s0
			ROHDE&SCHWARZ			ZEICHN.-NR.	BLATT-NR.
						1078.2708.01S	5
			ZU GERÄT UPL			REG.I.V. 1078.2008	v. 19 Bl.
						ERSTE Z. 1078.2008	

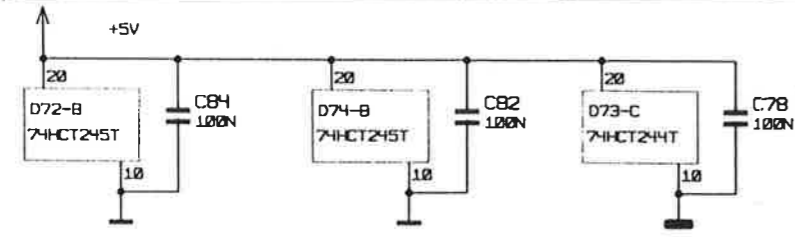
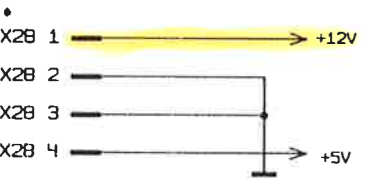
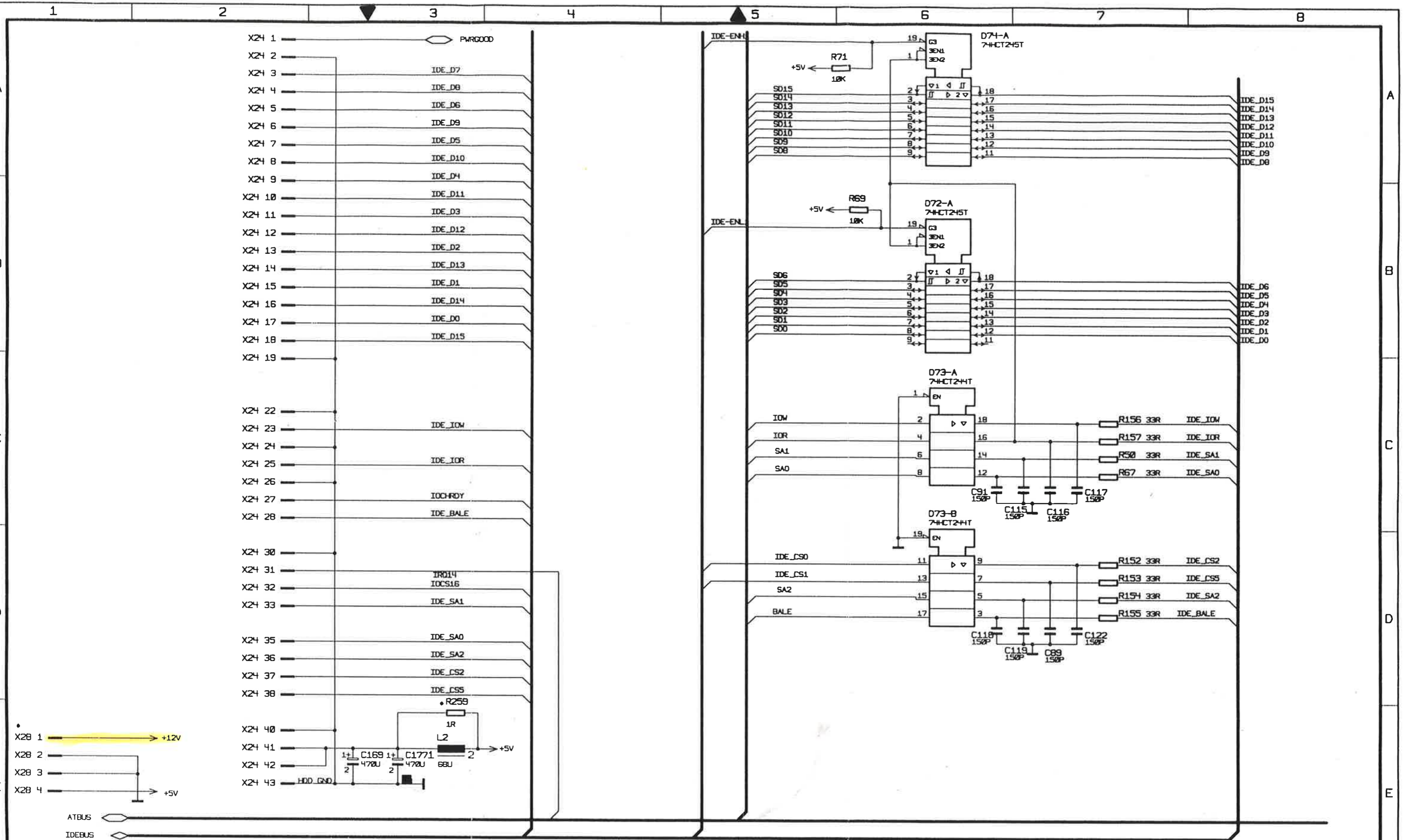
FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

05				1GPK	TAG	NAME	BENENNUNG	
				BEARB.		SR	DIGITAL_UNIT	
				GEPR.		SR	DIGITAL_UNIT	
				NORM			top/PC_PERIPHERIE_5055	S1
				PLOTT	17.06.96		ZEICHN.-NR.	BLATT-NR.
01				ROHDE&SCHWARZ			1078.2708.01S	6
AEND.	AENDERUNGS-	DATUM	NAME	ZU GERÄT UPL			REG.I.V. 1078.2008	V. 19 BL.
IND.	MITTEILUNG						ERSTE Z. 1078.2008	

FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

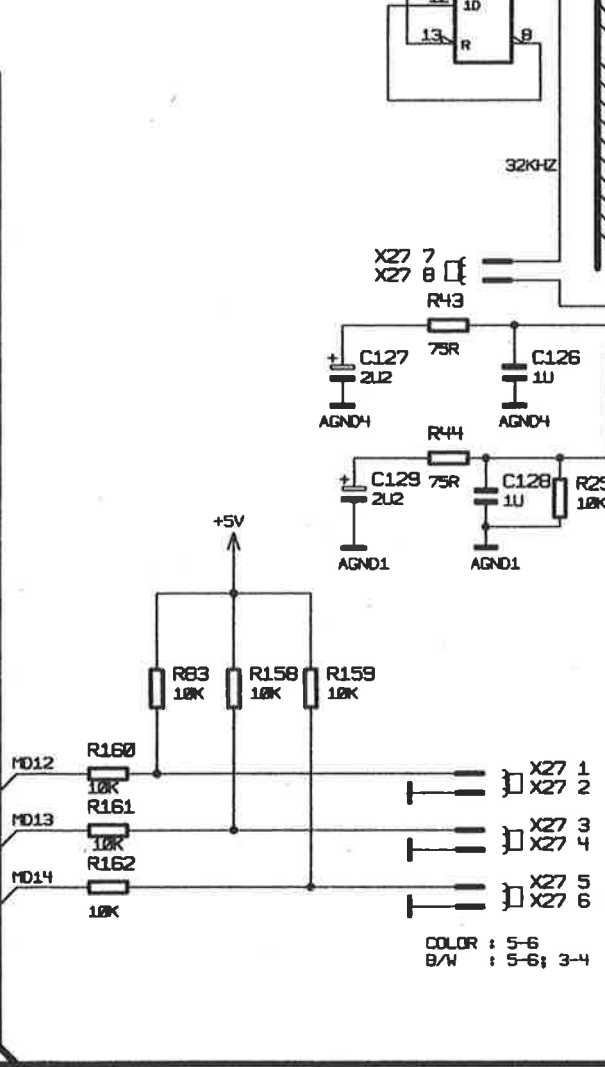
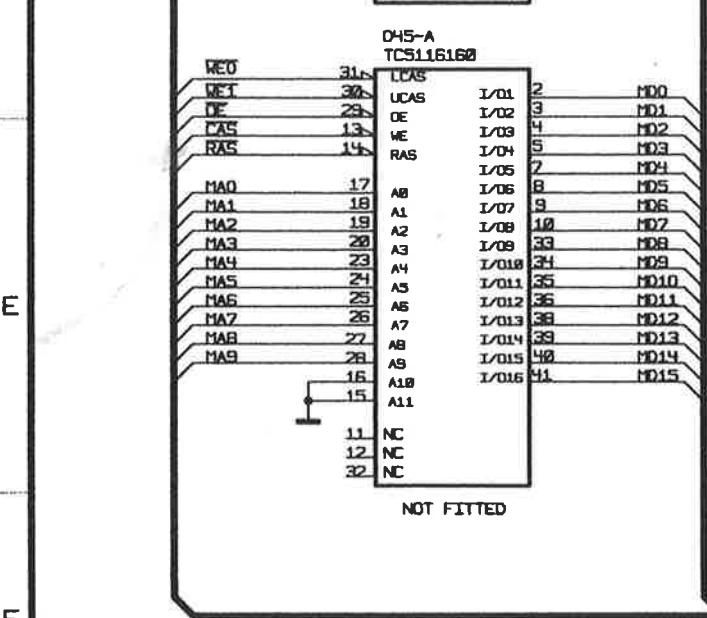
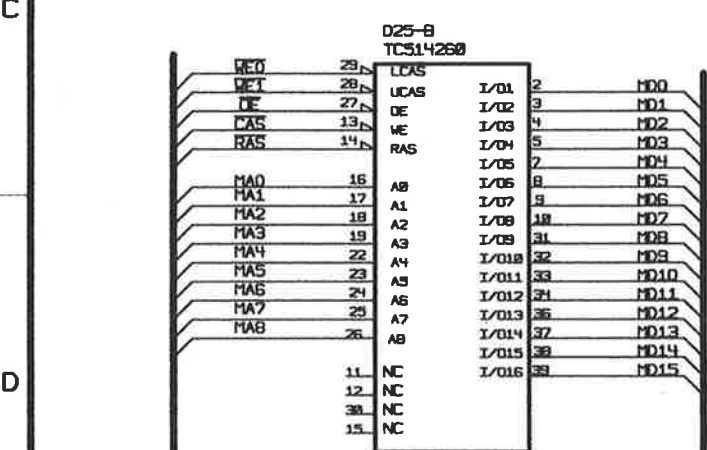
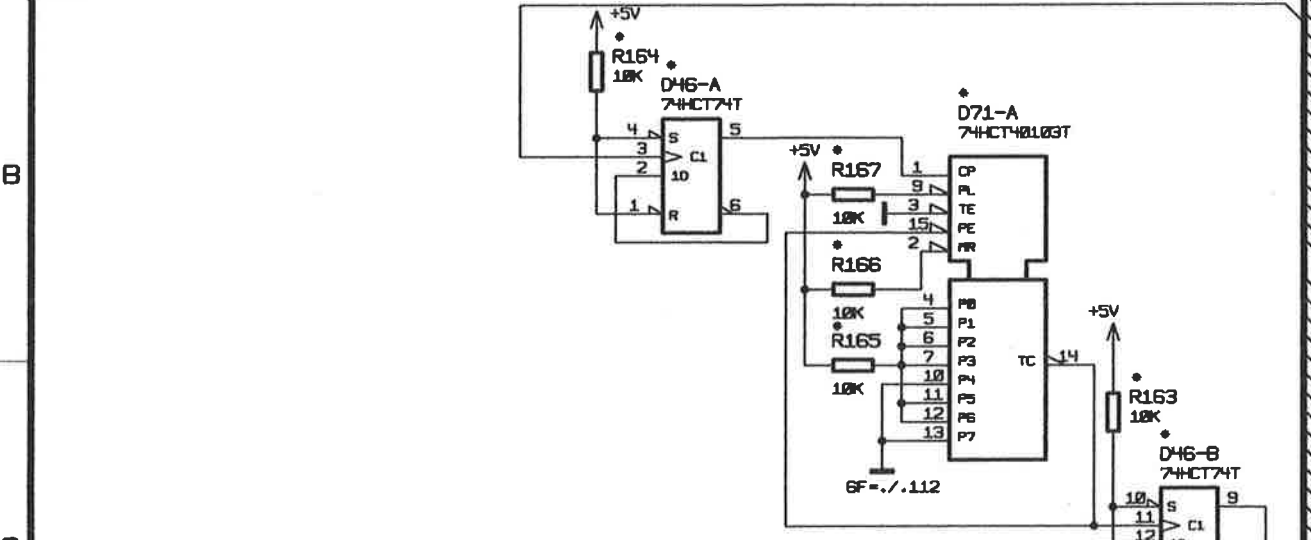
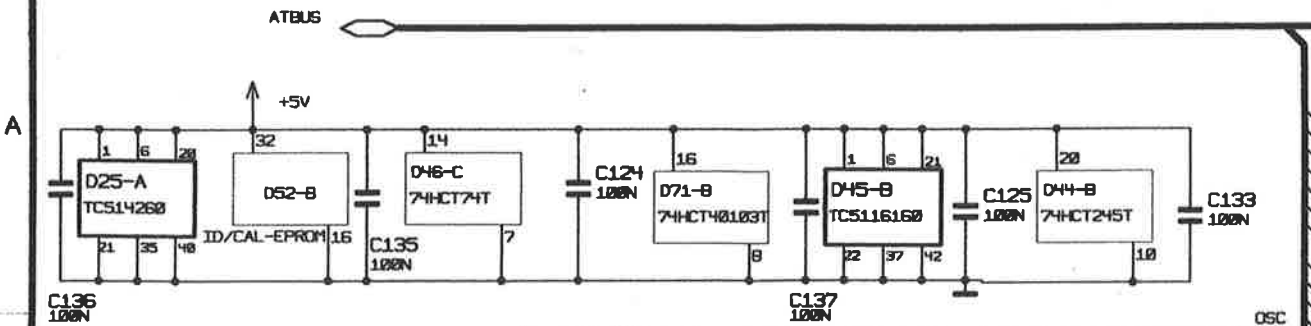
05				1GPK	TAG	NAME	BENENNUNG	
				BEARB.		SR	DIGITAL_UNIT	
				GEPR.		SR	DIGITAL_UNIT	
				NORM			top/PC_PERIPHERIE_5055	
				PLOTT	17.06.96		ZEICHN.-NR.	
							1078.2708.01S	
04				ROHDE&SCHWARZ			BLATT-NR.	
AEND.	AENDERUNGS-	DATUM	NAME				7	
IND.	MITTEILUNG			ZU GERÄT UPL			V. 19 BL.	
							REG.I.V.	1078.2008
							ERSTE Z.	1078.2008

• • NOT FITTED



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

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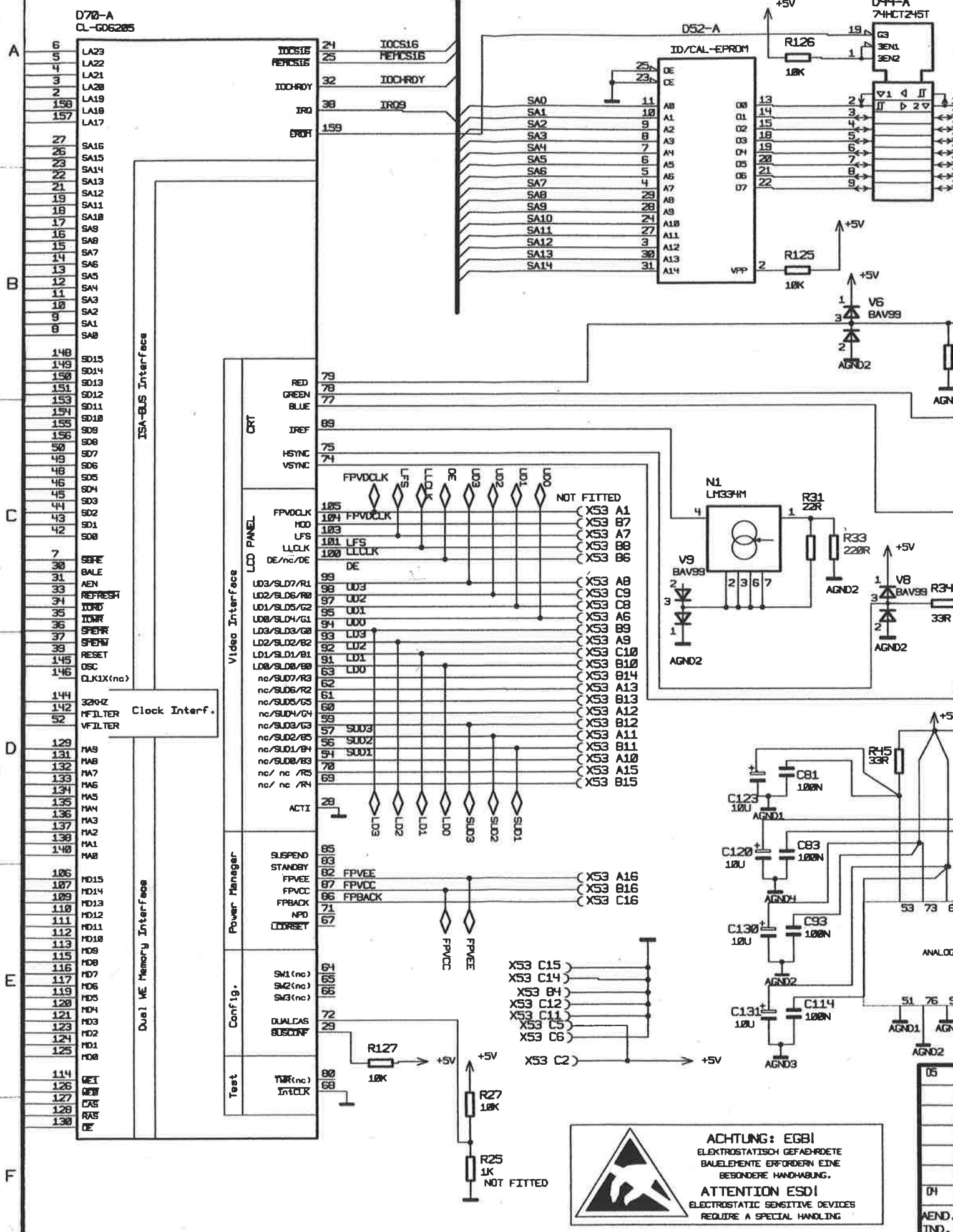


- LA23
- LA22
- LA21
- LA20
- LA19
- LA18
- LA17
- SA16
- SA15
- SA14
- SA13
- SA12
- SA11
- SA10
- SA9
- SA8
- SA7
- SA6
- SA5
- SA4
- SA3
- SA2
- SA1
- SA0
- SD15
- SD14
- SD13
- SD12
- SD11
- SD10
- SD9
- SD8
- SD7
- SD6
- SD5
- SD4
- SD3
- SD2
- SD1
- SD0
- SBHE
- BALE
- AEN
- REFRESH
- IOR
- IOW
- SPEPR
- SPEPW
- RESETDRV
- OSC

- MA9
- MA8
- MA7
- MA6
- MA5
- MA4
- MA3
- MA2
- MA1
- MA0
- MD15
- MD14
- MD13
- MD12
- MD11
- MD10
- MD9
- MD8
- MD7
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- MD4
- MD3
- MD2
- MD1
- MD0
- WE
- CAS
- RAS
- DE

\* = not fitted

BEHALTEN WIR UNS ALLE RECHTE VOR

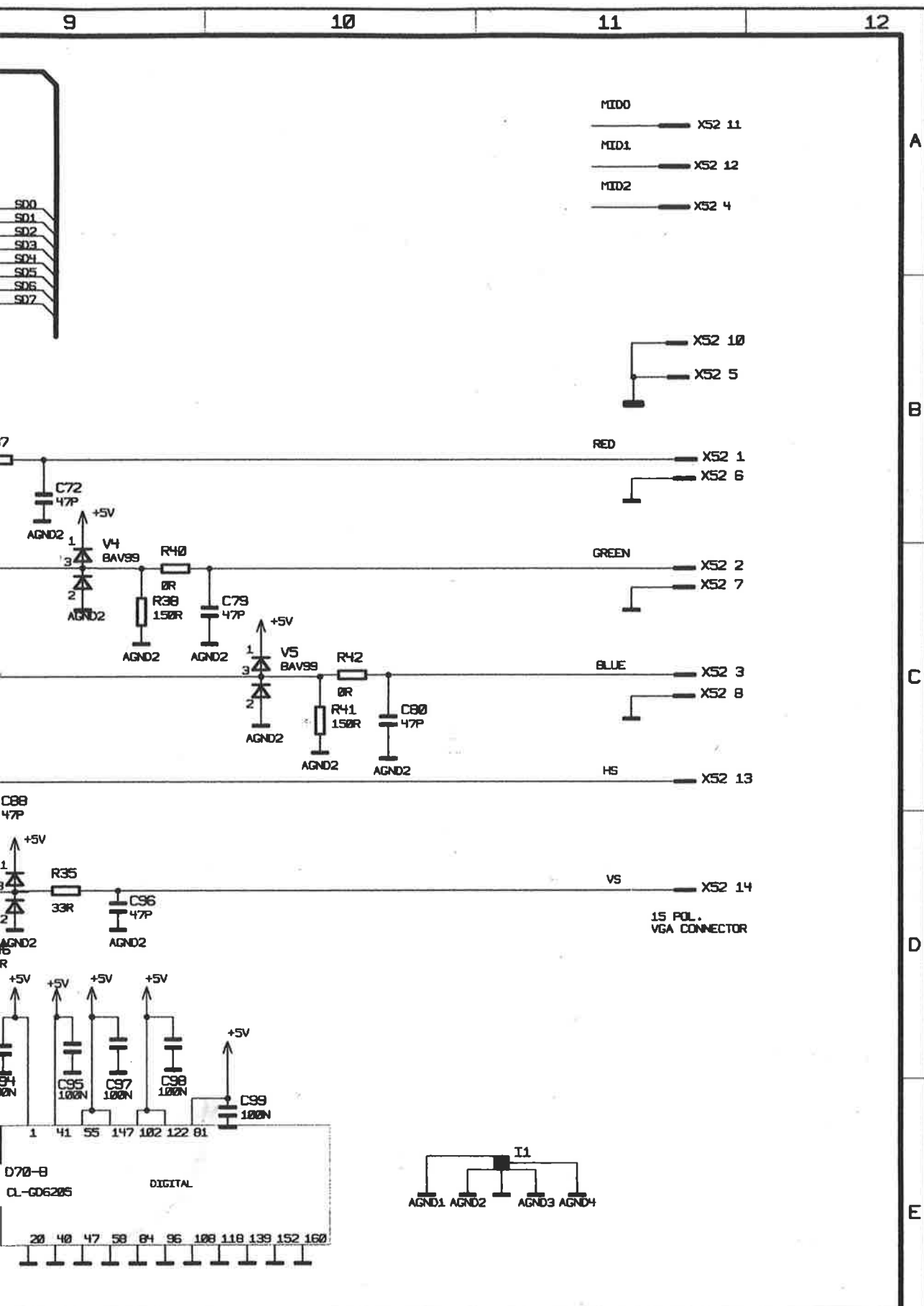


**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDRETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.

**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING



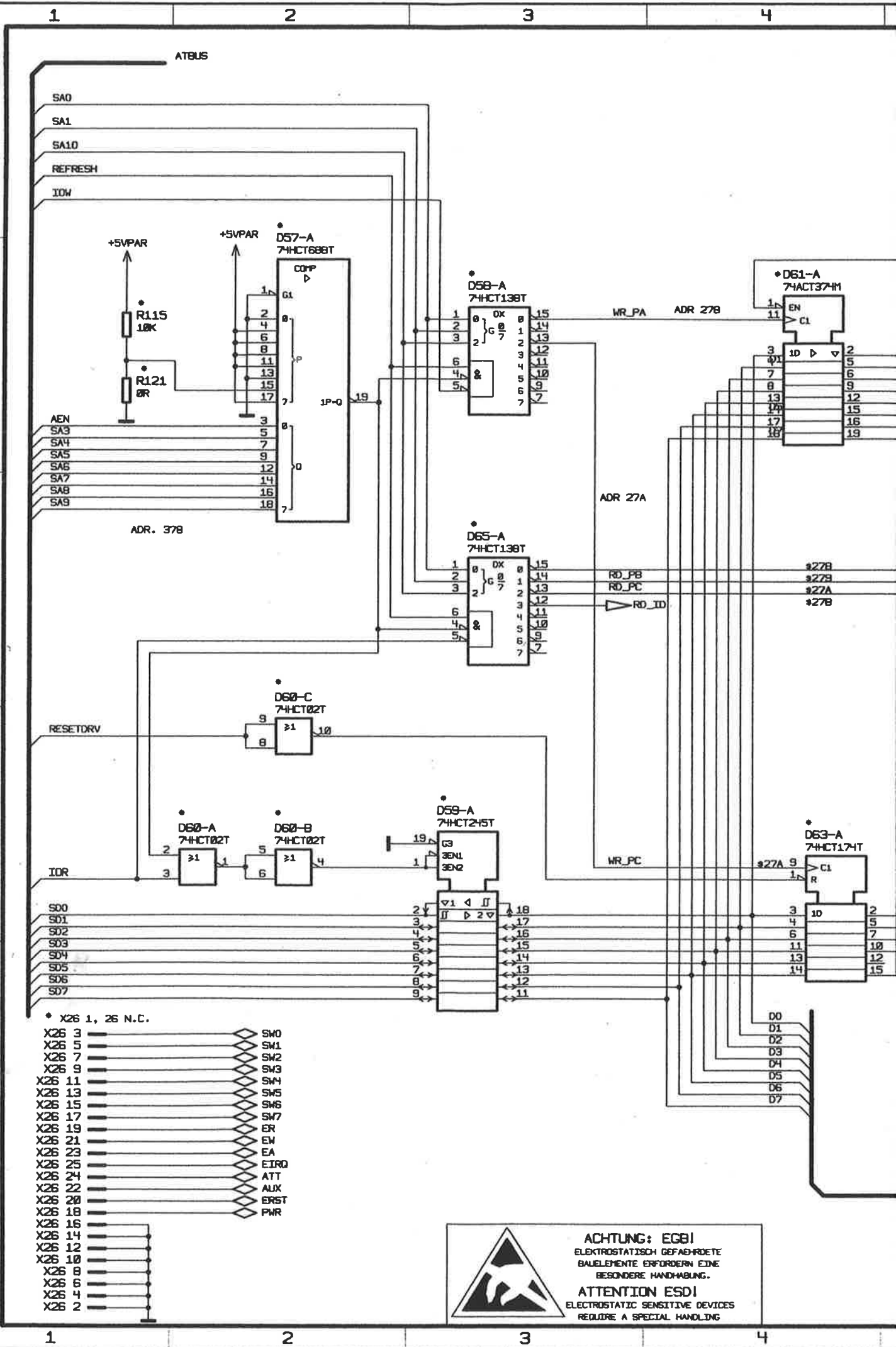
05  
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			1GPK	TAG	NAME	BENENNUNG	
			BEARB.		SR	DIGITAL_UNIT	
			GEPR.		SR	DIGITAL_UNIT	
			NORM			top/PC_PERIPHERIE_5055	
			PLOTT	17.06.96		s3	
			ROHDE&SCHWARZ			ZEICHN.-NR.	BLATT-NR.
						1078.2708.01S	B
						v. 19 EL.	F
LEDERUNGS- TEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG.I.V.	1078.2008	ERSTE Z. 1078.2008
9			10		11		12

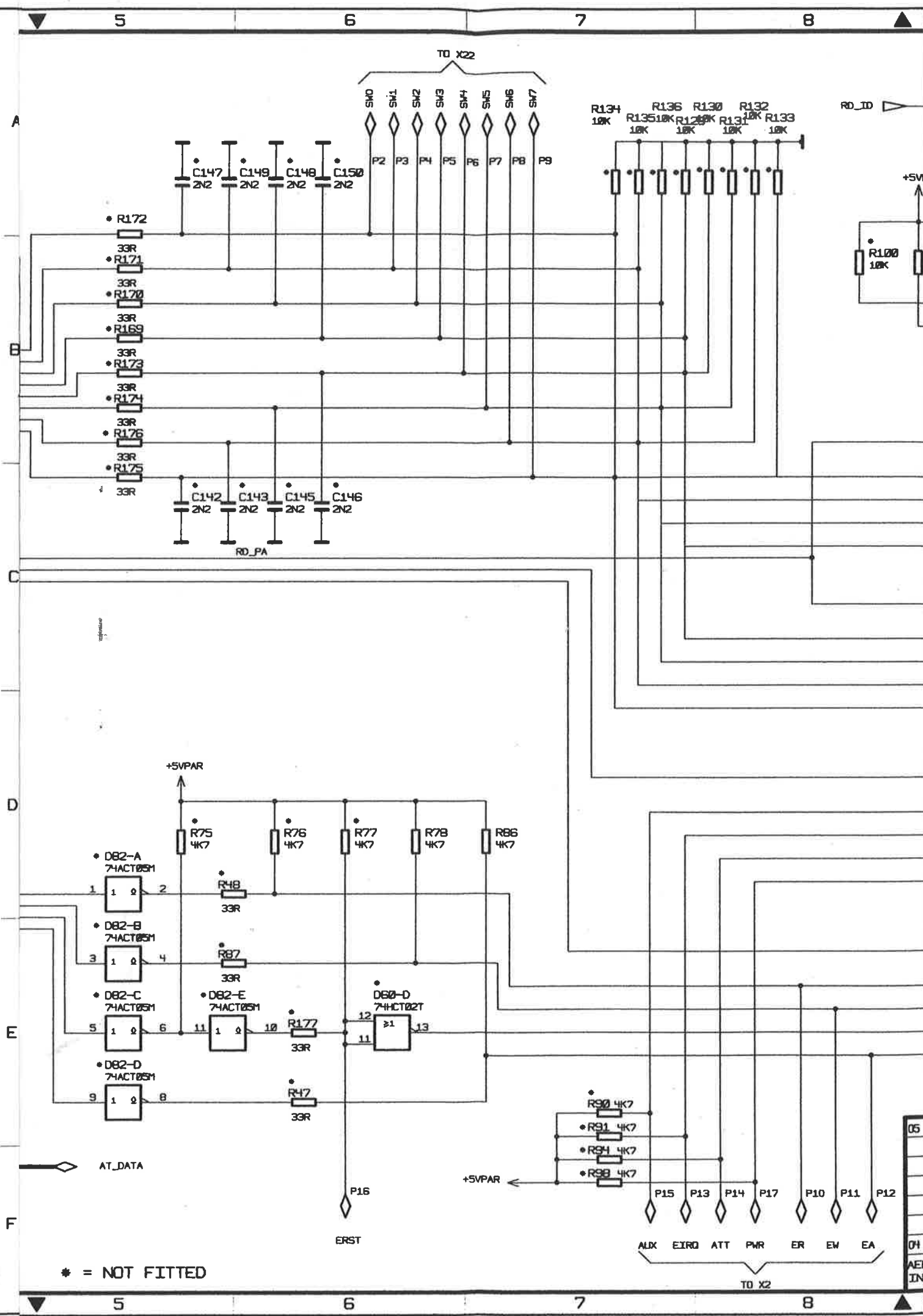


FÜR DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR



**ACHTUNG: ESD!**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

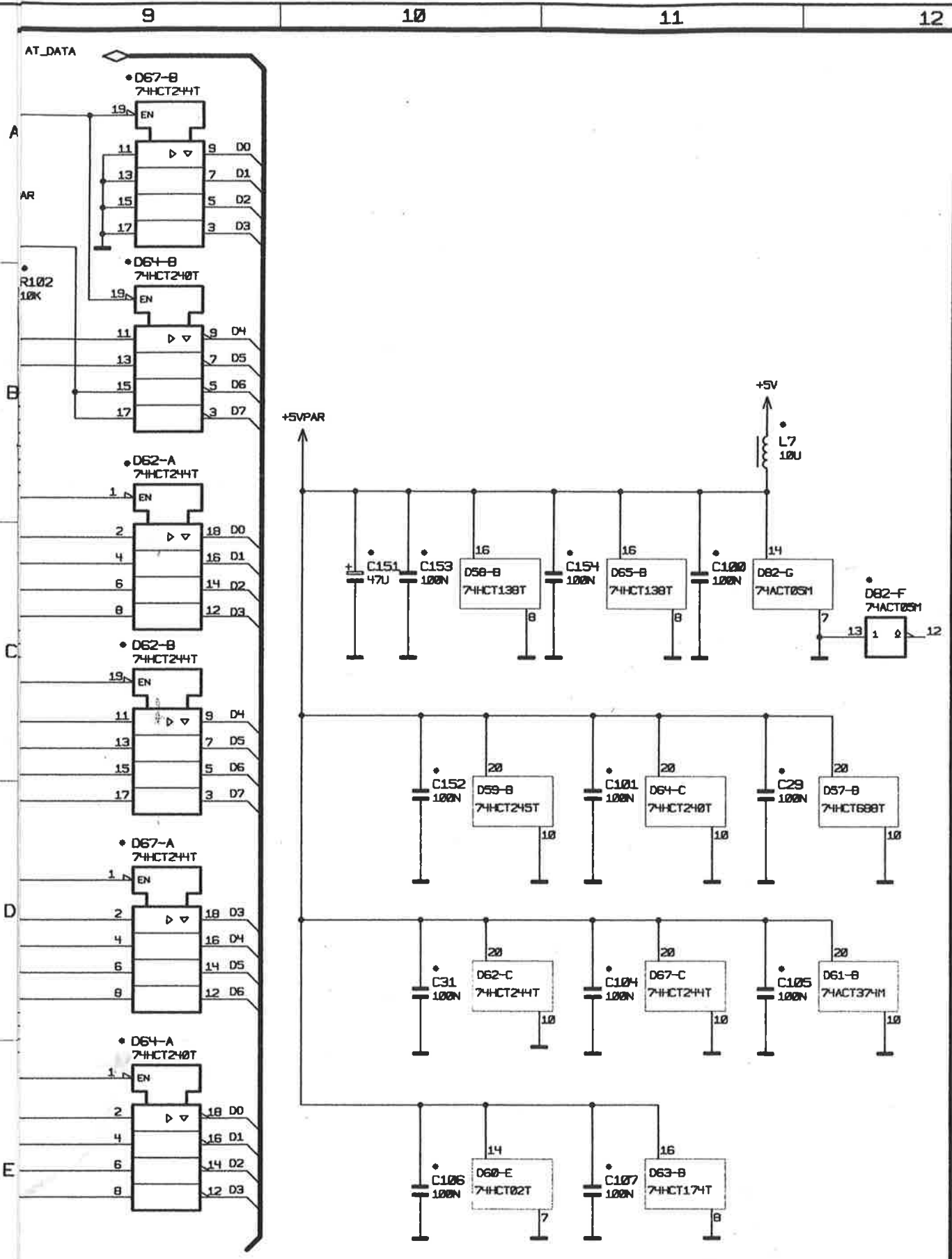
FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



\* = NOT FITTED

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FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

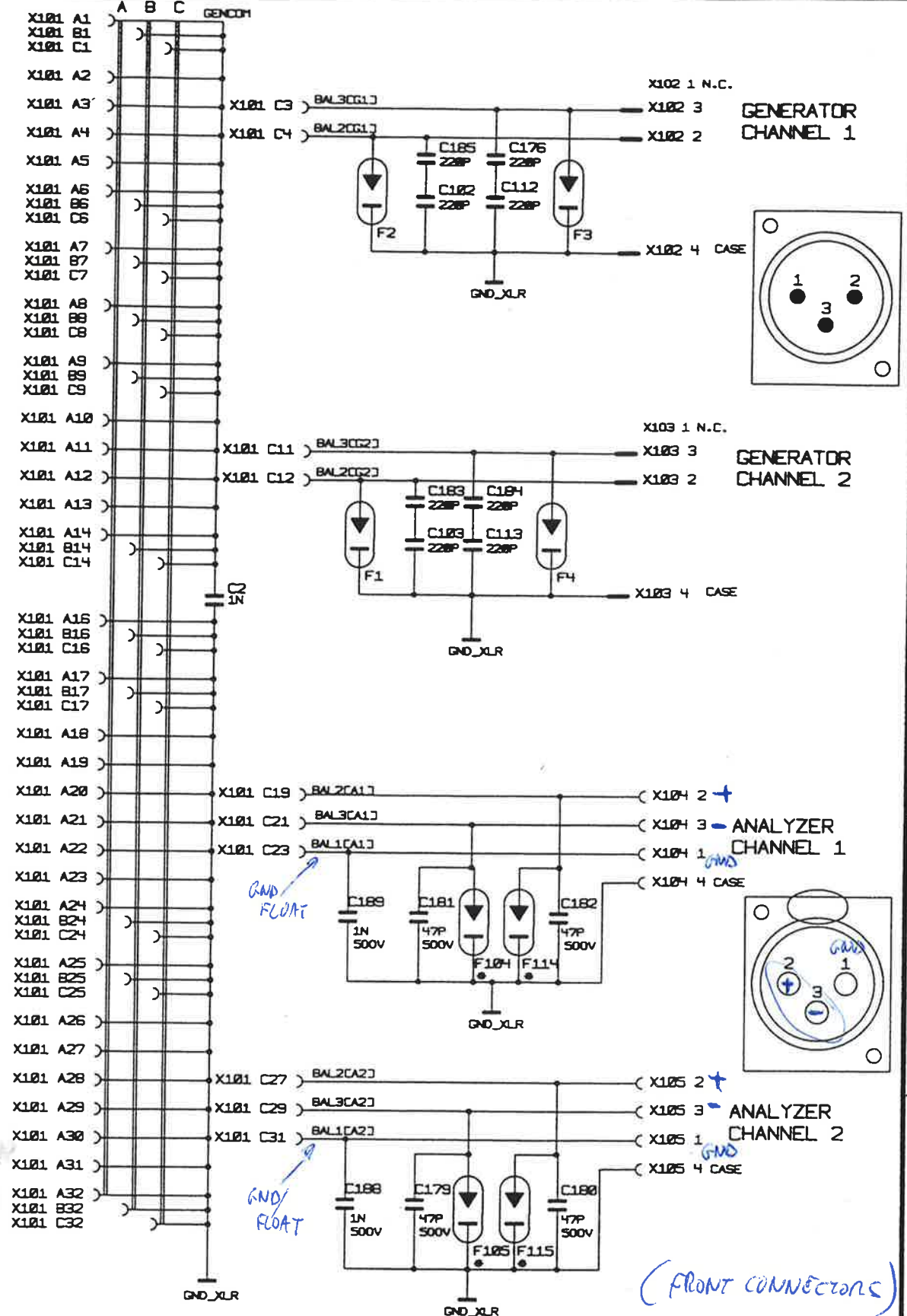


			1GPK	TAG	NAME	BENENNUNG	
			BEARB.		SR	DIGITAL_UNIT	
			GEPR.		SR	DIGITAL_UNIT	
			NORM				
			PLDIT	17.08.96		top/PC_PERIPHERIE_5055	
			ROHDE&SCHWARZ			ZEICHN.-NR.	
						1078.2708.01S	
			ZU GERAET UPL			s5	
						REG.I.V. 1078.2008	
AENDERUNGS-MITTEILUNG			DATUM NAME			BLATT-NR.	
						10	
						V. 19 BL.	

FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

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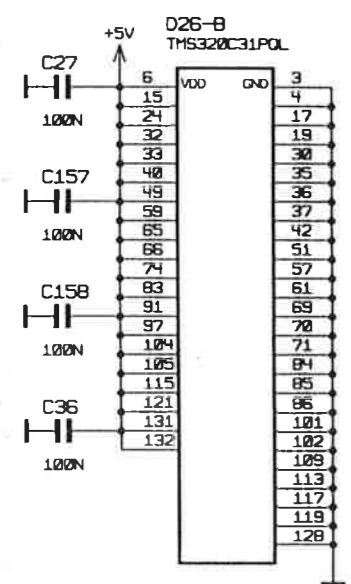
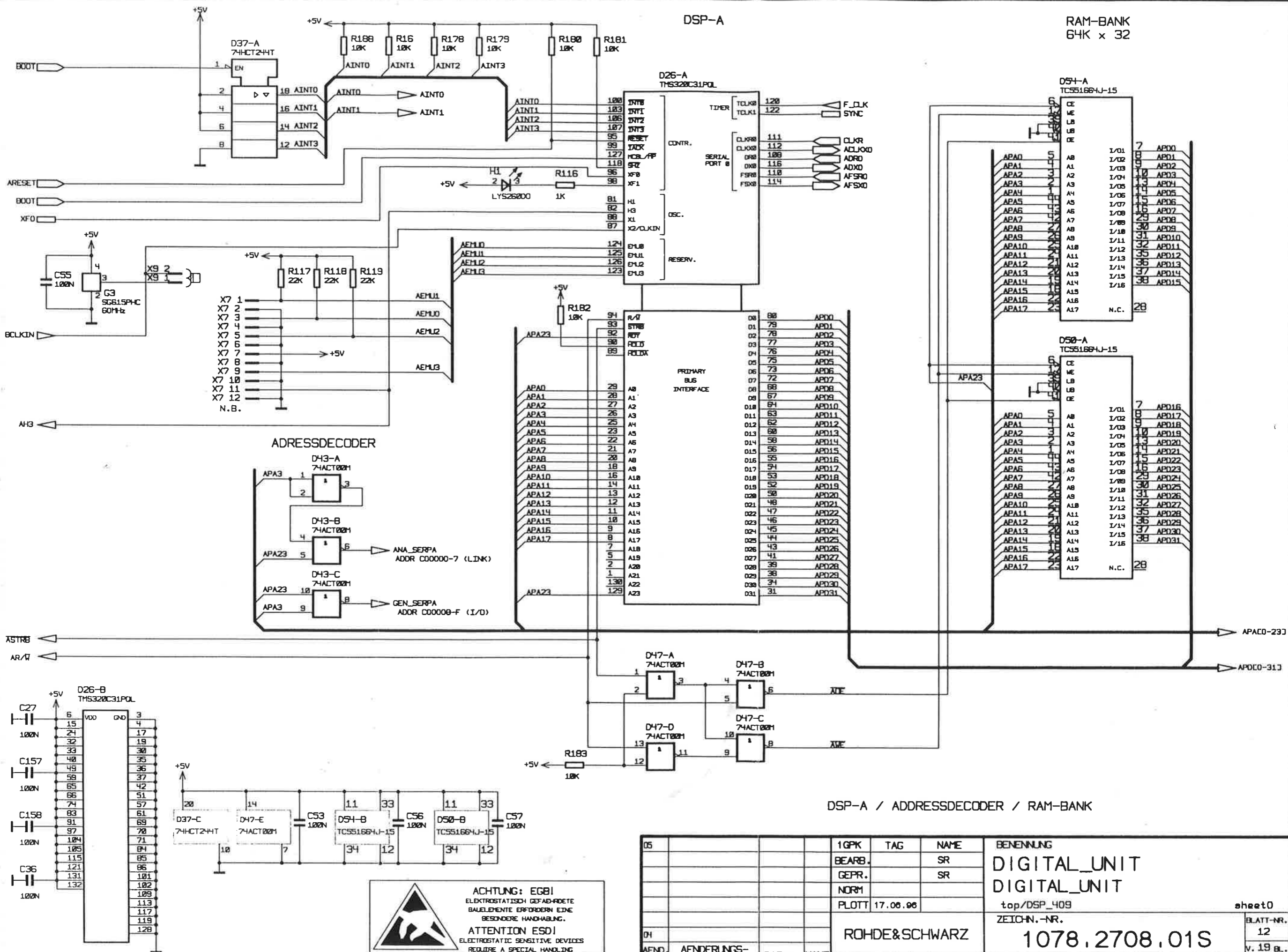
\* = NICHT BESTUECKT/NOT FITTED

05/01				1GPK	TAG	NAME	BENENNUNG
				BEARB.		SR	DIGITAL_UNIT → ANALOG
				GEPR.		SR	DIGITAL_UNIT?
				NORM			
				FLOTT	25.09.96		top/XLR_PLATTE_5120
							sheet0
							ZEICHN.-NR.
							1078.2708.01S
05				ROHDE&SCHWARZ			BLATT-NR.
							11
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG.I.V. 1078.2008	V. 19 BL.
						ERSTE Z. 1078.2008	

1 2 3 4



FLIER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

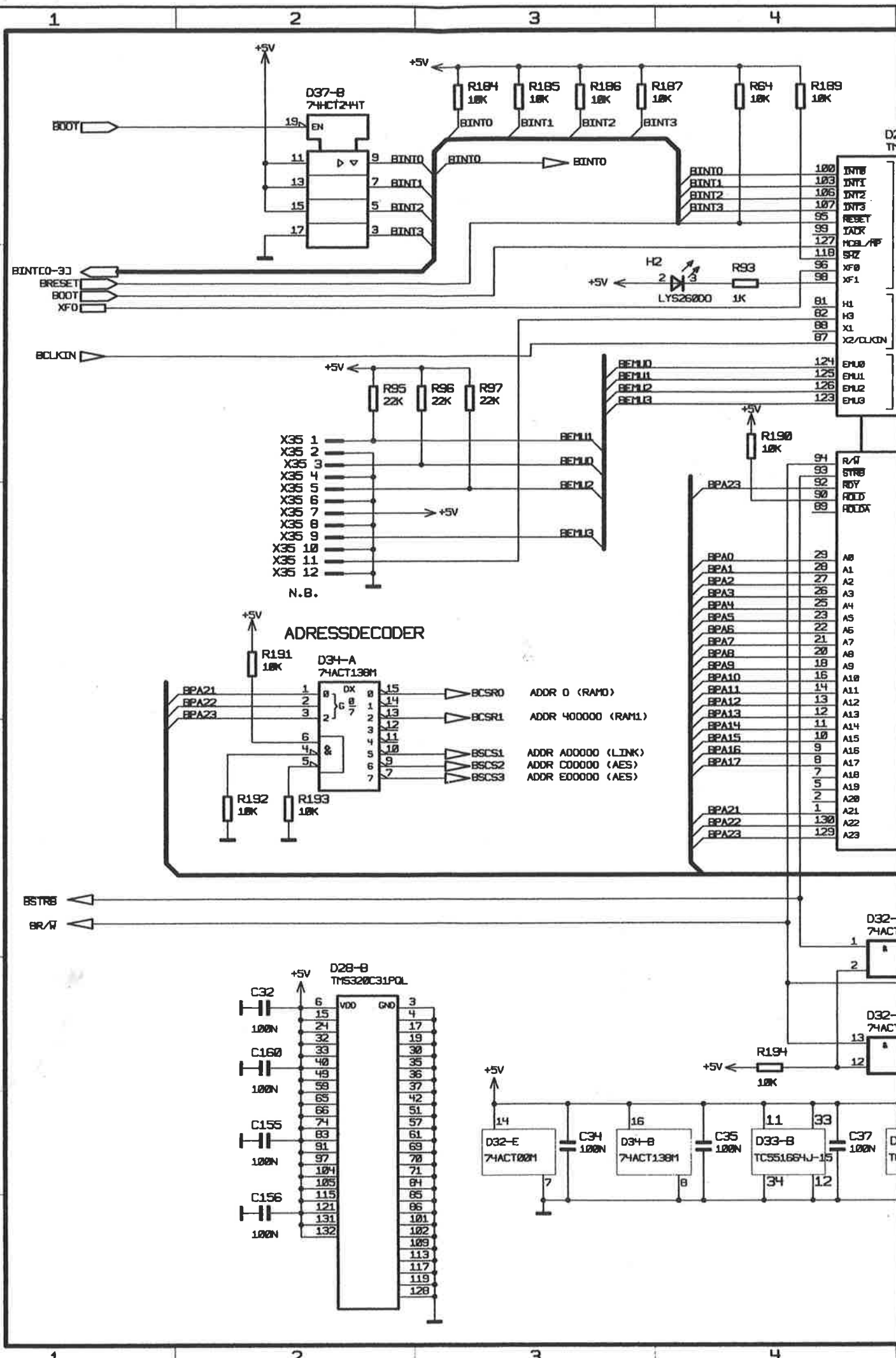



**ACHTUNG: ESD!**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

DSP-A / ADDRESSDECODER / RAM-BANK

05				1GPK	TAG	NAME	BENENNUNG	
				BEARB.		SR	DIGITAL_UNIT	
				GEPR.		SR	DIGITAL_UNIT	
				NORM			top/DSP_409	sheet0
				PLOTT	17.06.96		ZEICHN.-NR.	BLATT-NR.
							1078.2708.01S	12
01				ROHDE&SCHWARZ				v. 19 Bl.
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. I.V.	1078.2008	ERSTE Z. 1078.2008

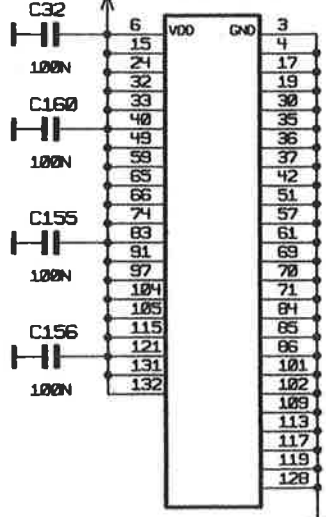
FÜR DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR



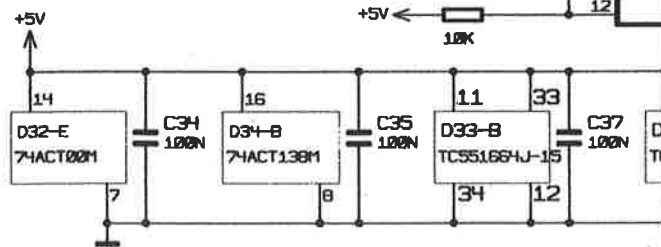
**ADRESSDECODER**

- BCSR0 ADDR 0 (RAM0)
- BCSR1 ADDR 400000 (RAM1)
- BSCS1 ADDR A00000 (LINK)
- BSCS2 ADDR C00000 (AES)
- BSCS3 ADDR E00000 (AES)

**D28-B TMS320C31POL**



**D32-E 74ACT00M**



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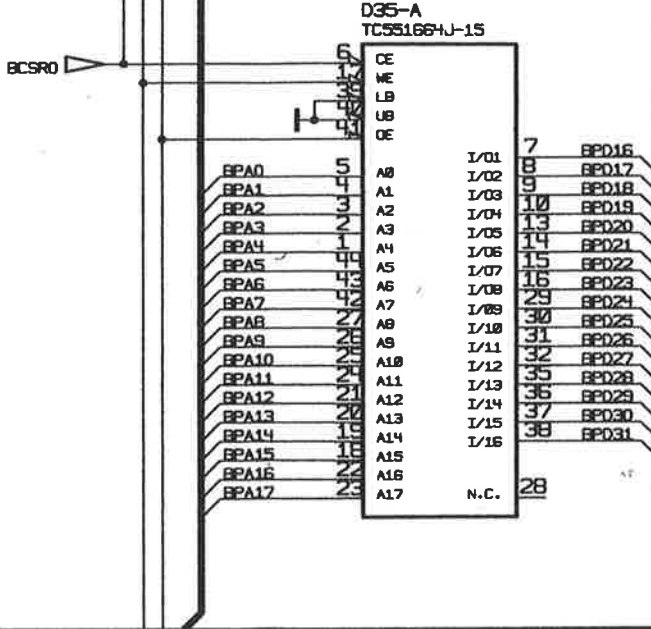
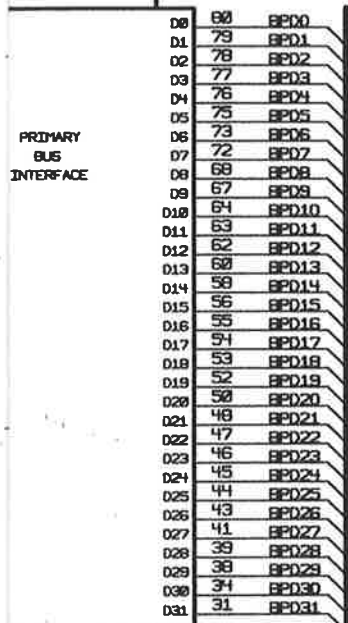
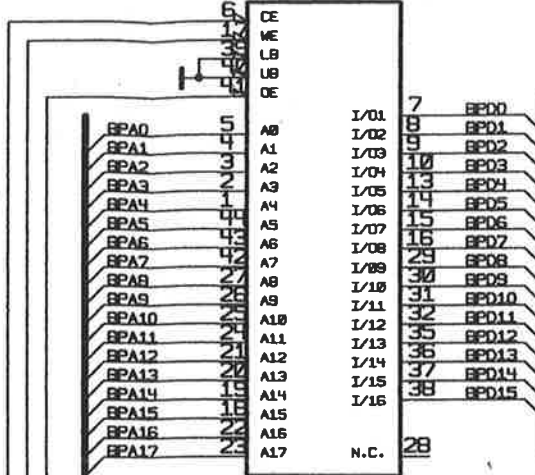
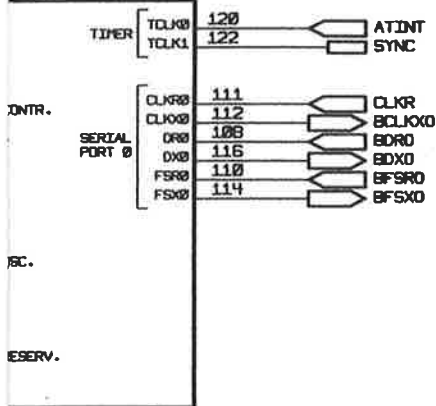
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### DSP-B

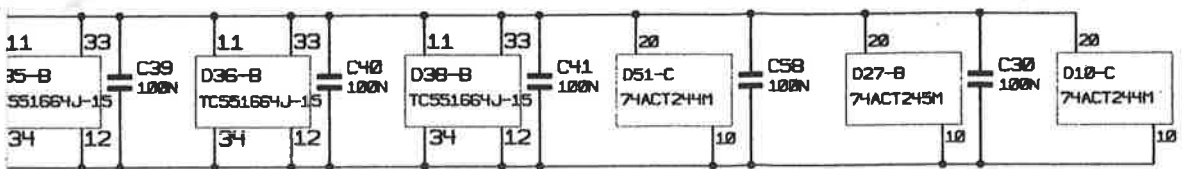
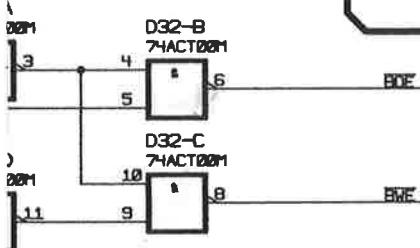
### RAM-BANKO 64K x 32

B-A  
3320C31POL

D33-A  
TC551664J-15



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



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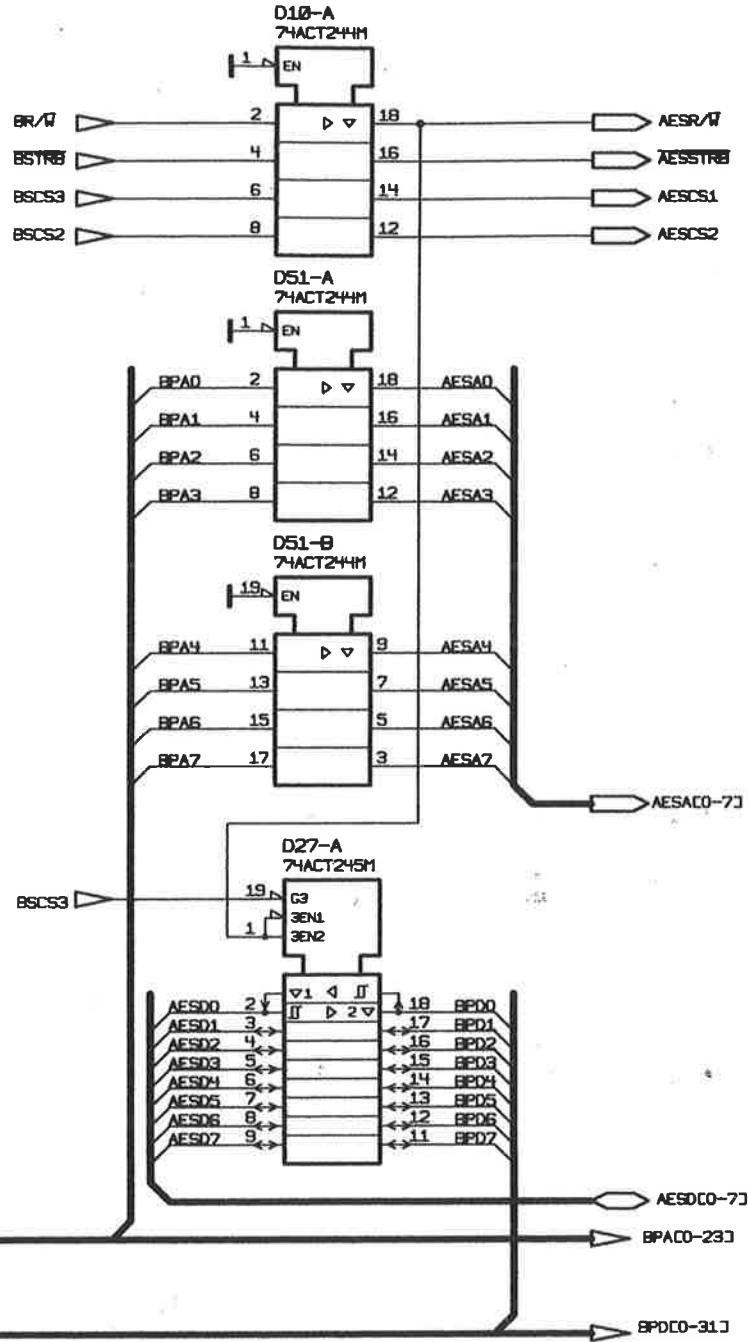
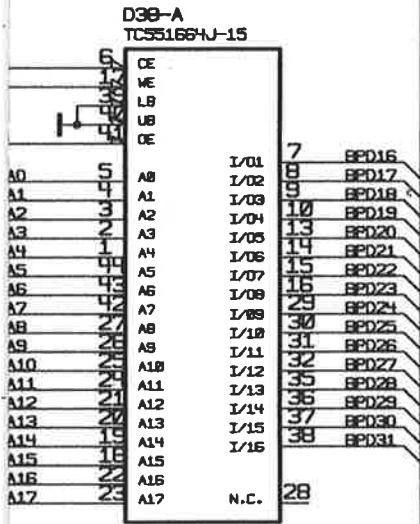
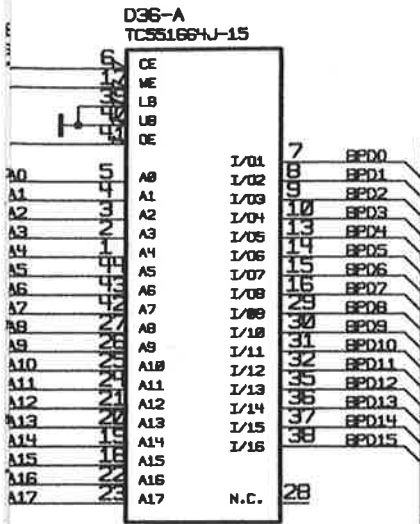
6

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RAM-BANK1  
64K x 32

AESEBU-INTERFACE



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.

**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

ADRESSDECODER / DSP-B / RAM-BANK

1GPK	TAG	NAME	BENENNUNG
BEARB.		SR	DIGITAL_UNIT
GEPR.		SR	DIGITAL_UNIT
NORM			top/DSP_409
PLOTT	17.06.98		ZEICHN.-NR.
		ROHDE&SCHWARZ	1078.2708.01S
		ZU GERÄT UPL	REG.I.V. 1078.2008
			ERSTE Z. 1078.2008

sheet1  
BLATT-NR.  
13  
V. 19 BL.

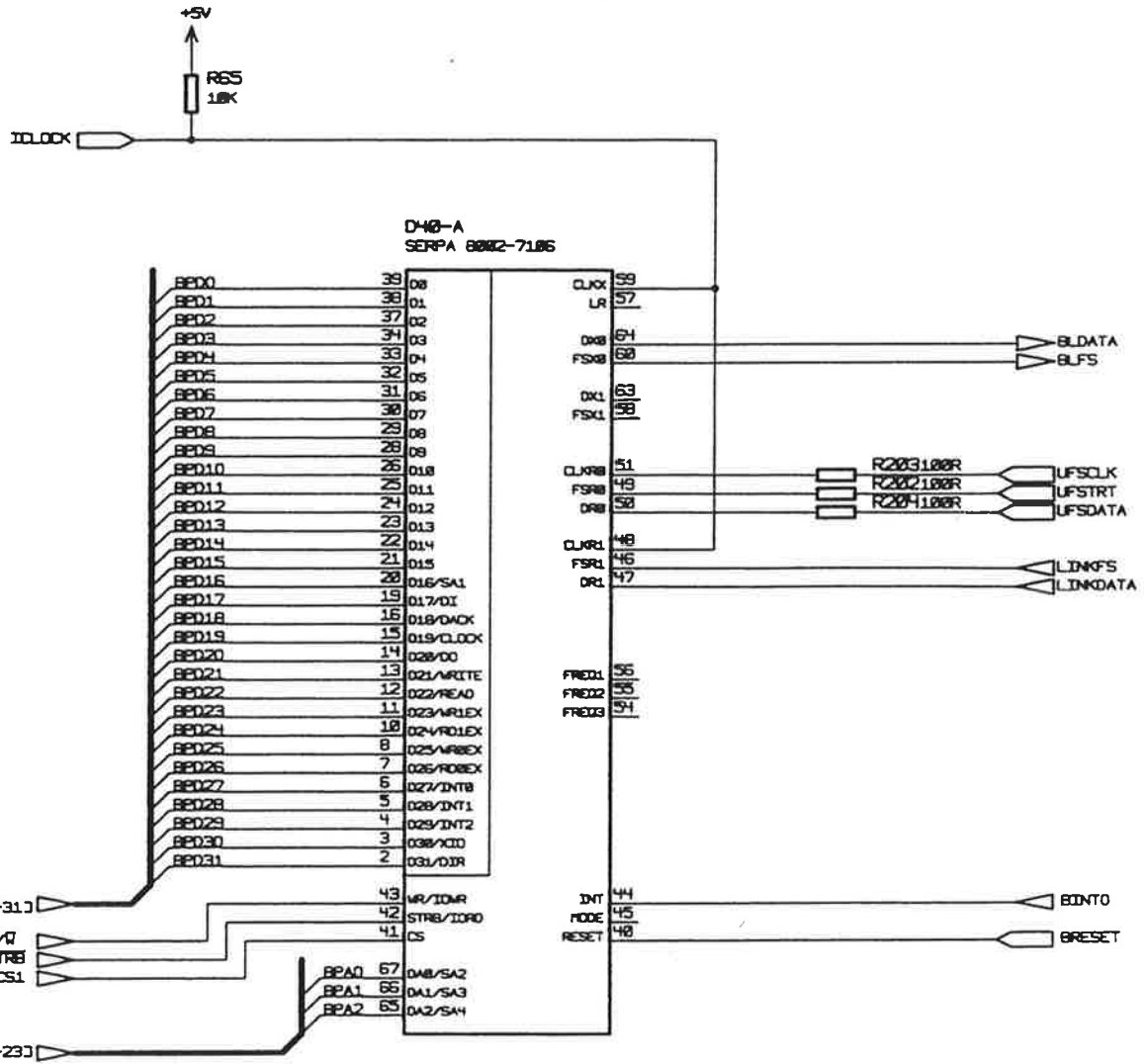
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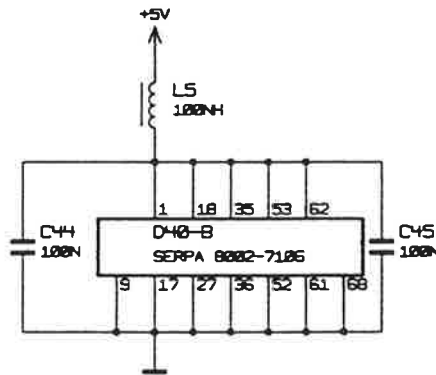
3

4

### DSP SERPA-B



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



**ACHTUNG: EGB!**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

DSP-B SERPA

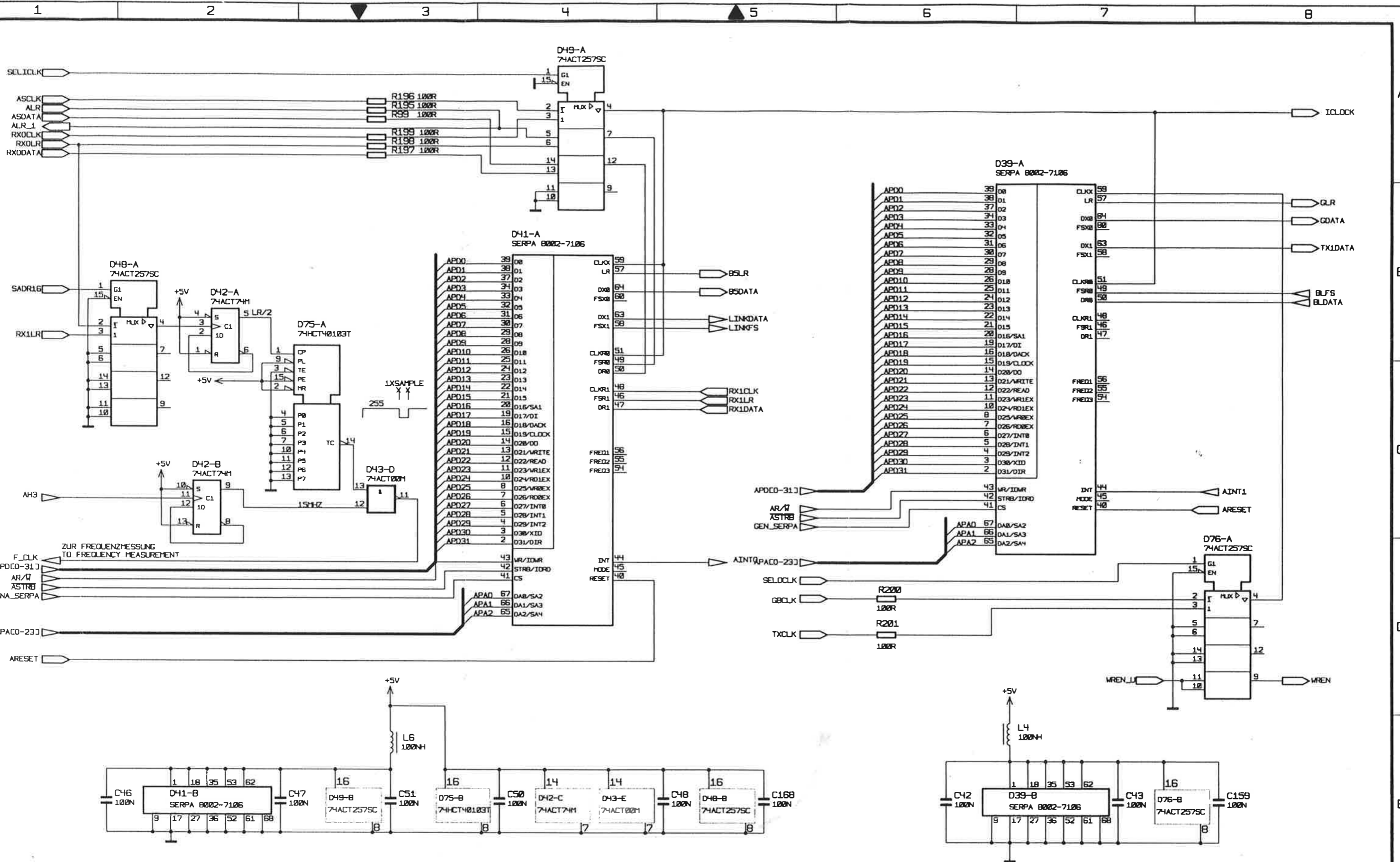
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				PLDTT	17.06.98		ZEICHN.-NR.	BLATT-NR.
04				ROHDE&SCHWARZ			1078.2708.01S	14
ÄEND. IND.	ÄNDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG.I.V. 1078.2008	ERSTE Z. 1078.2008	v. 19 Bl.

1

2

3

4

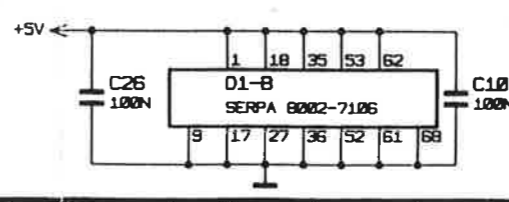
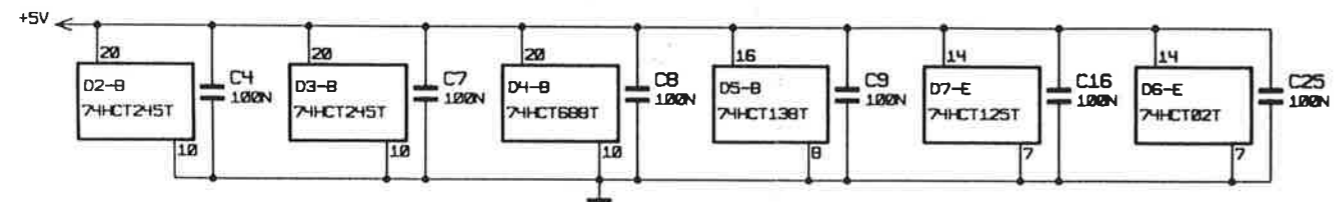
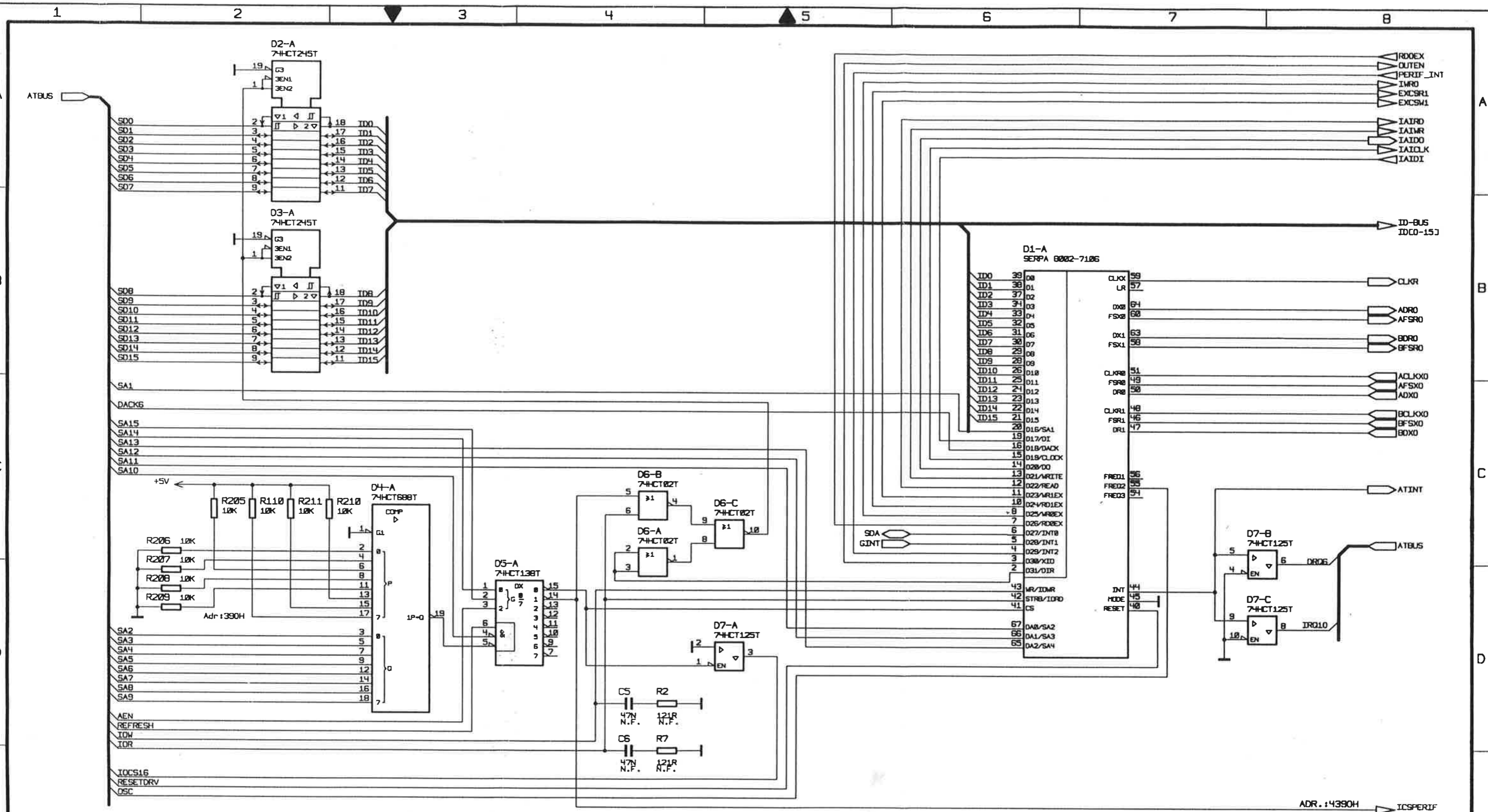


FLIER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDLUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

05				1GPK	TAG	NAME	BENENNUNG	
				BEARB.		SR	DIGITAL_UNIT	
				GEPR.		SR	DIGITAL_UNIT	
				NORM			top/DSP_409	
				PLOTT	17.06.06		sheet3	
01				ROHDE&SCHWARZ			ZEICHN.-NR.	
				ZU GERÄT UPL			1078.2708.01S	
AE	ÄNDERUNGS-	DATUM	NAME	REG.I.V.		1078.2008		BLATT-NR.
IND.	MITTEILUNG			ERSTE Z.		1078.2008		15
								v. 19 Bl.

FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDLUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

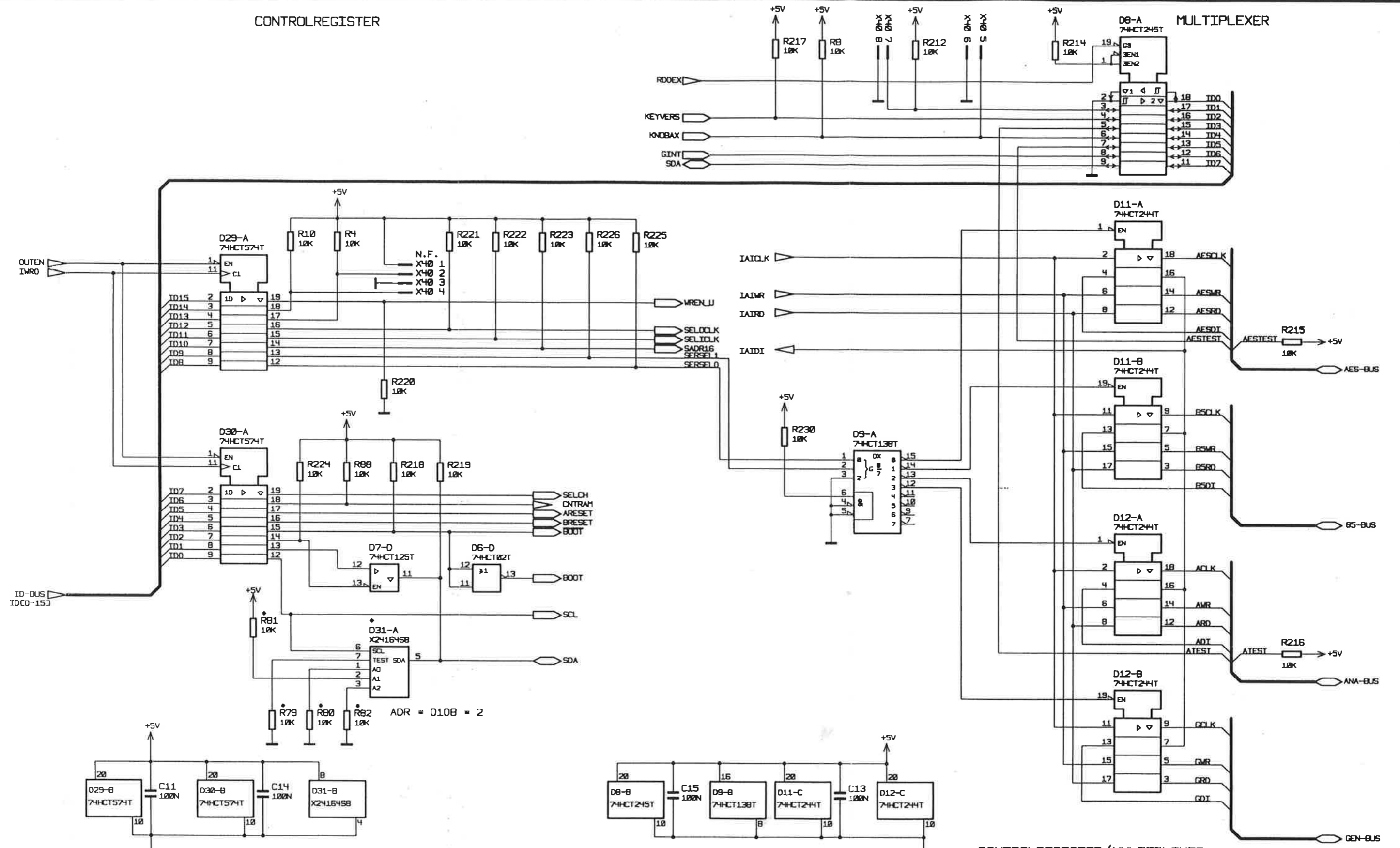
N.F. = NICHT BESTUECKT/NOT FITTED

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				GEPR.		SR	DIGITAL_UNIT	
				NORM			top/AT_INTERFACE_472	sheet 0
				PLOTT	17.06.98		ZEICHN.-NR.	BLATT-NR.
							1078.2708.01S	16
04								v. 19 Bl.
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ROHDE & SCHWARZ			REG.I.V. 1078.2008	ERSTE Z. 1078.2008
				ZU GERÄT UPL				

1 2 3 4 5 6 7 8

CONTROLREGISTER

MULTIPLEXER



FÜR DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR

**ACHTUNG: EGBI**  
ELEKTROSTATISCH GEFÄHRDETE BAUELEMENTE ERFORDERN EINE BESONDERE HANDLUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES REQUIRE A SPECIAL HANDLING

\* = NOT FITTED

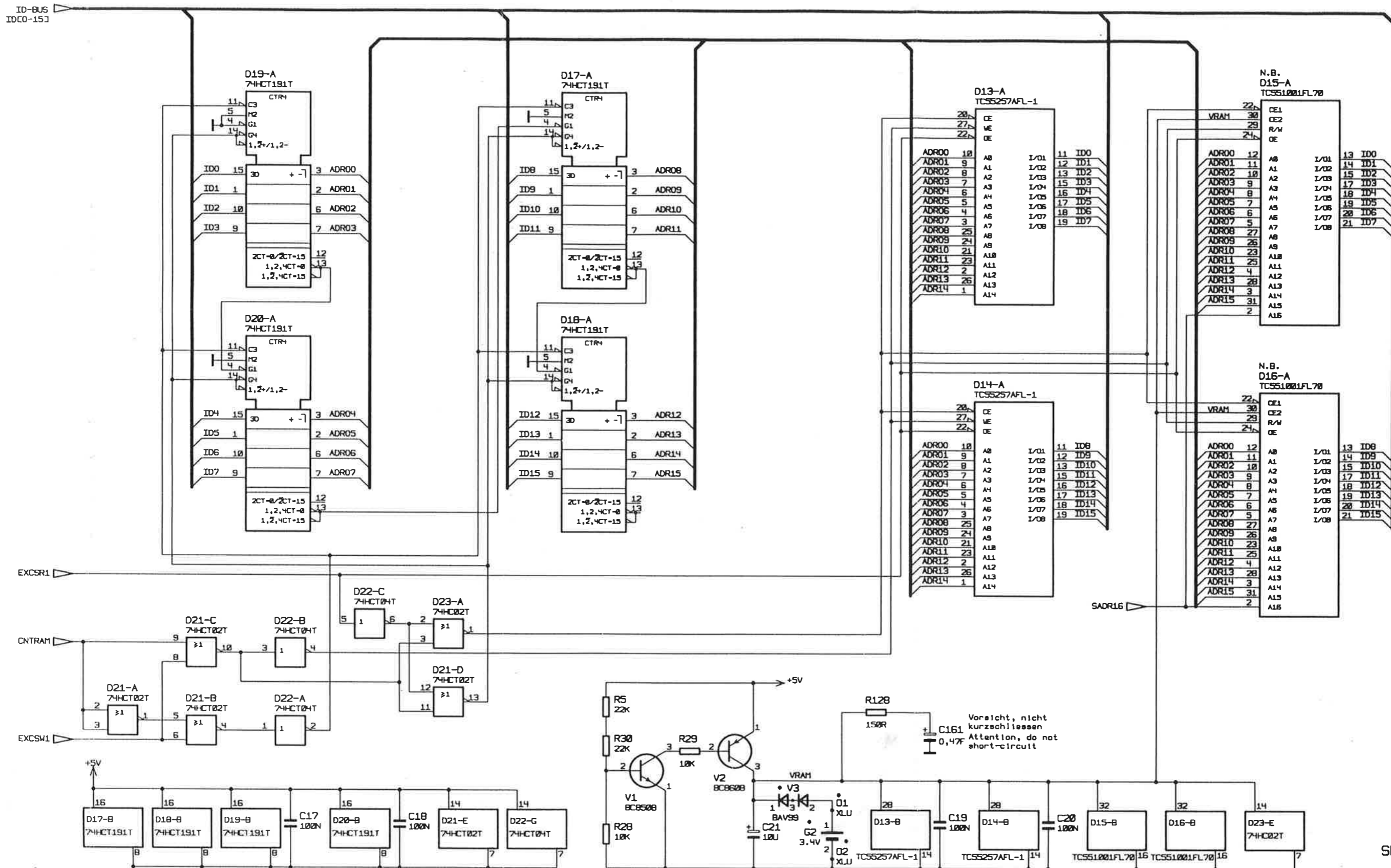
CONTROLREGISTER/MULTIPLEXER

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				GEPR.		SR	DIGITAL_UNIT	
				NORM				
				PLOTT	17.06.96			
04				ROHDE&SCHWARZ			top/AT_INTERFACE_472	sheet1
AEND.	AENDERUNGS-	DATUM	NAME				ZEICHN.-NR.	BLATT-NR.
IND.	MITTEILUNG						1078.2708.01S	17
				ZU GERÄT UPL			REG.I.V. 1078.2008	V. 19 B.
							ERSTE Z. 1078.2008	

1 2 3 4 5 6 7 8



FLUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



• = NOT FITTED

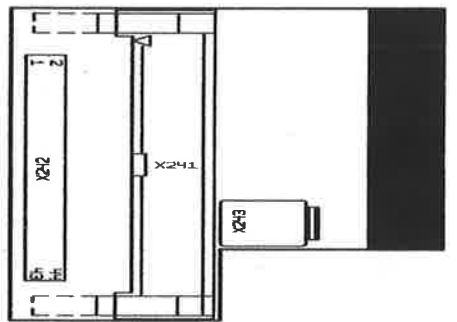
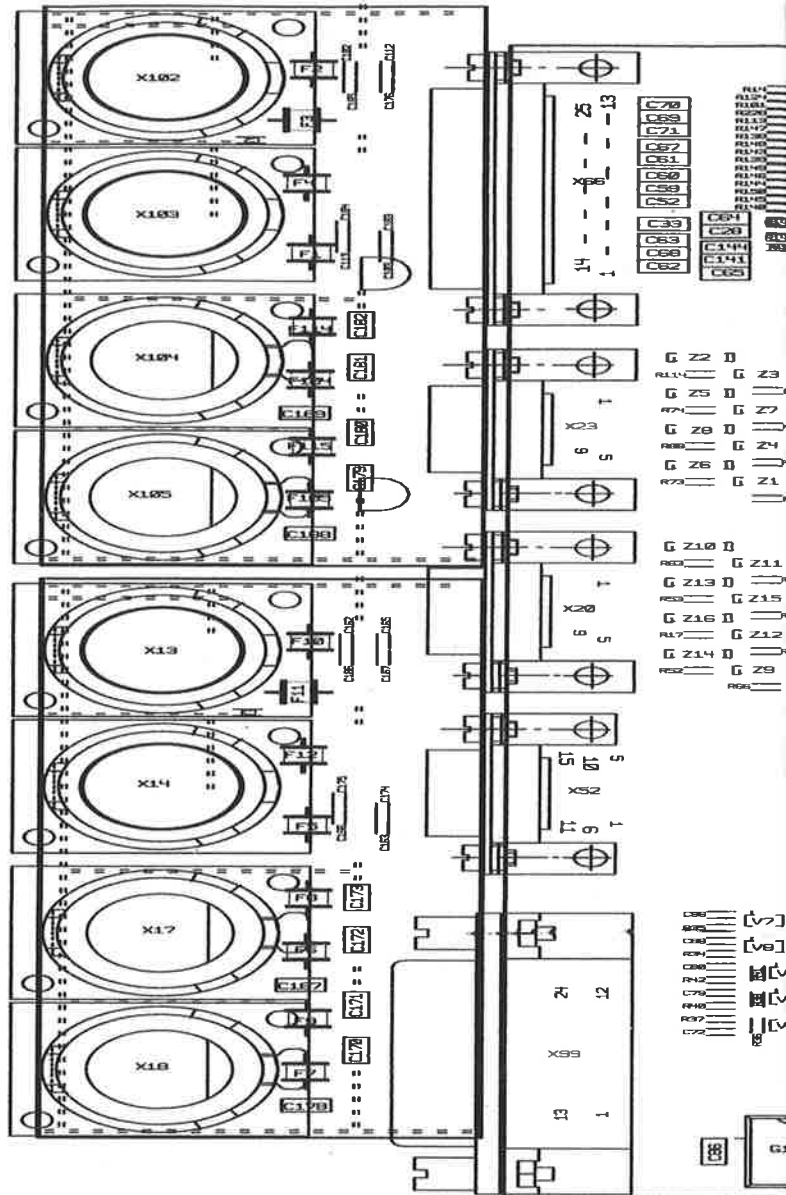
**ACHTUNG: ESD!**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDLUNG.

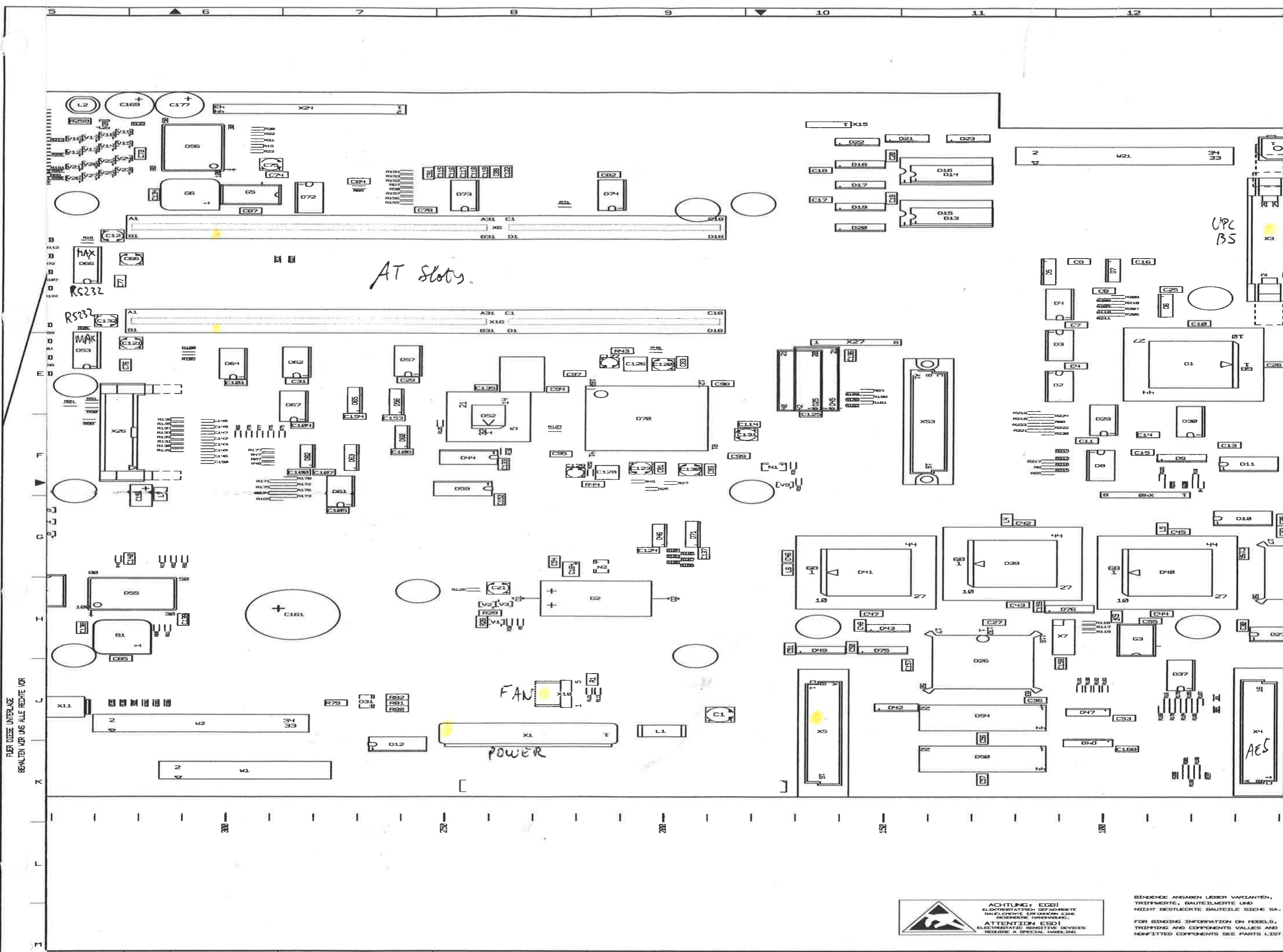
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

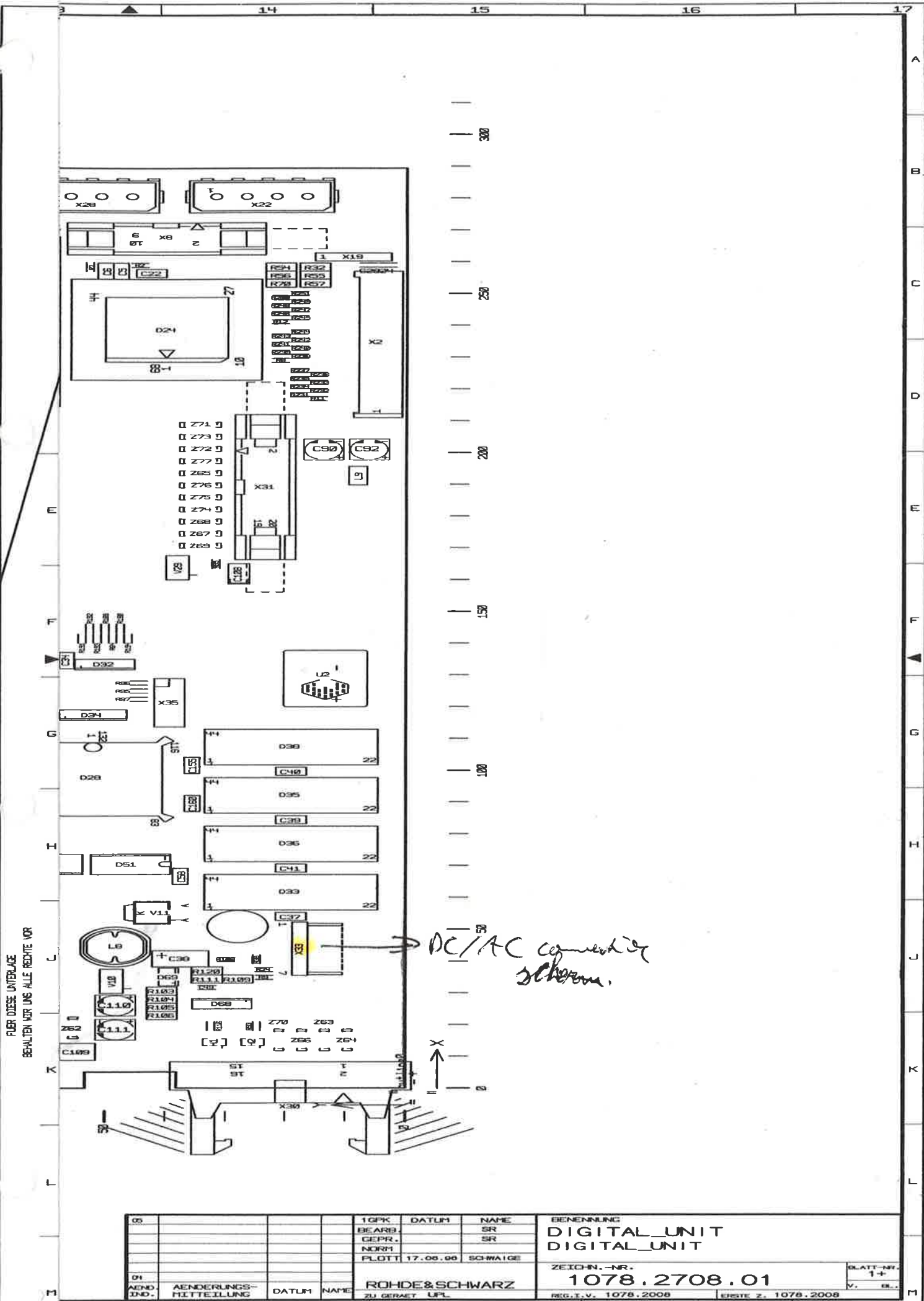
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			GEPR.		SR	DIGITAL_UNIT	
			NORM			top/AT_INTERFACE_472	sheet2
			PLOTT	17.06.98		ZEICHN.-NR.	BLATT-NR.
					ROHDE&SCHWARZ	1078.2708.01S	18
04							v. 19 Bl.
AEND. IND.	AENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG.I.V. 1078.2008	ERSTE Z. 1078.2008

FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

DARSTELLUNG SEITE B  
VIEW ON SIDE B







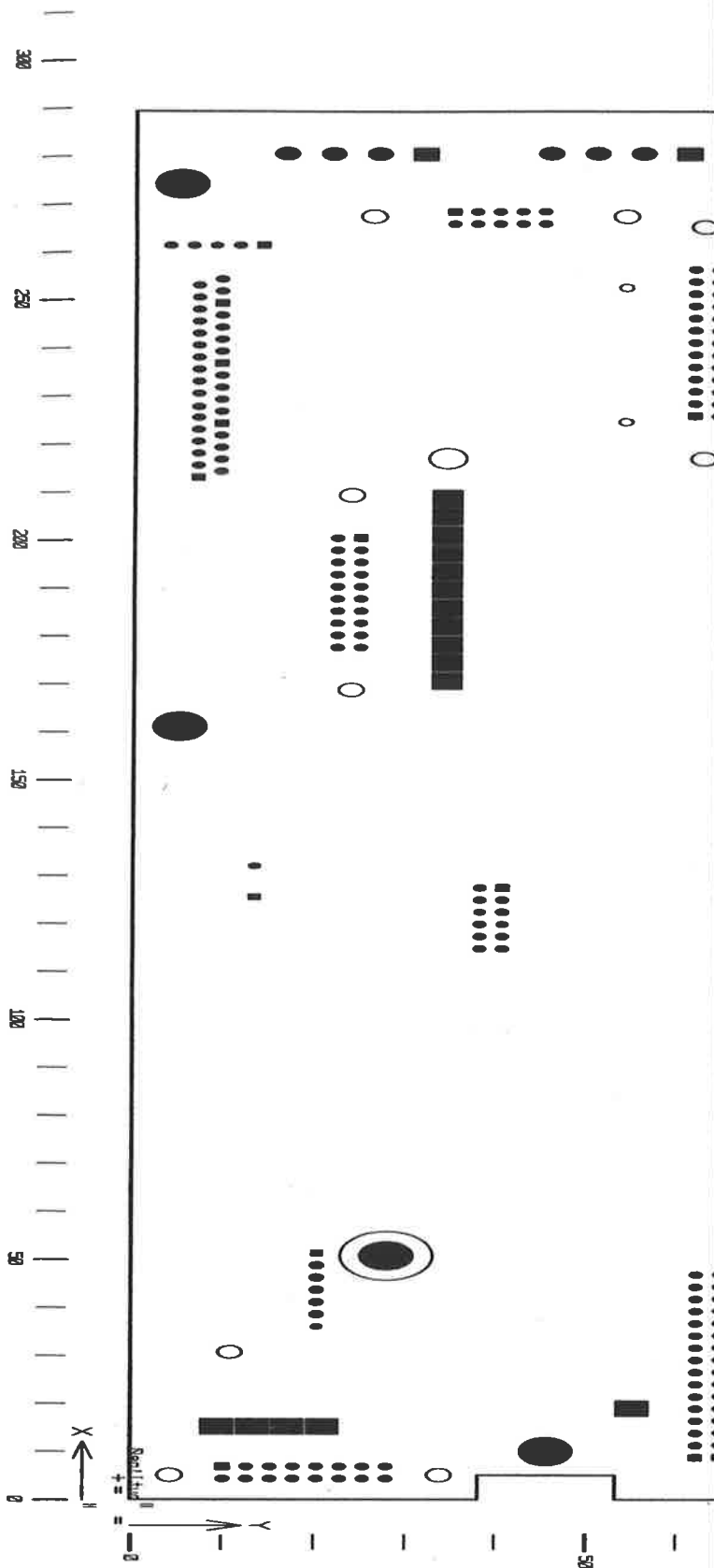
FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

*DC/AC connected to  
Schroma.*

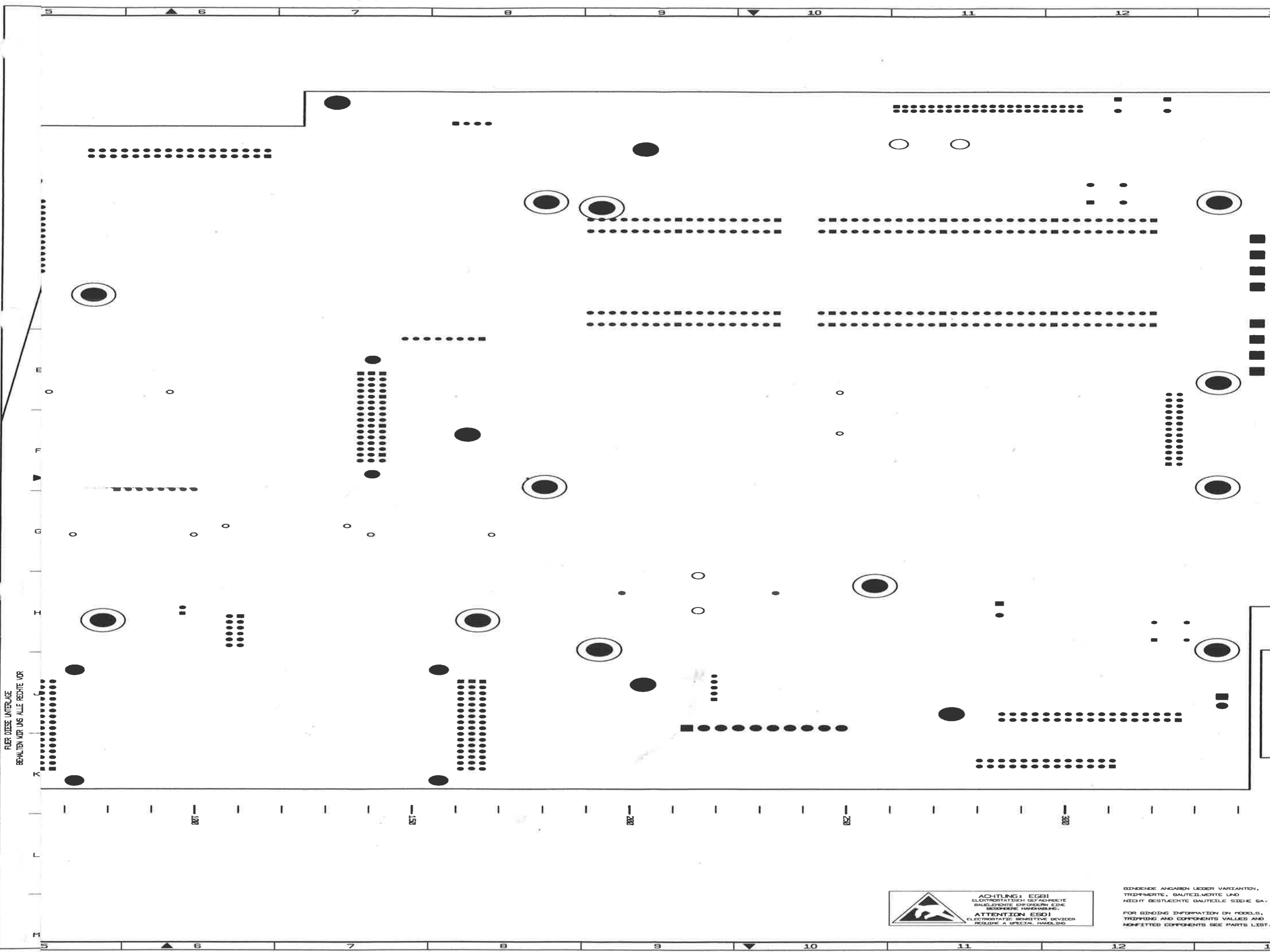
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				GEPR.		SR	DIGITAL_UNIT	
				NORM				
				PLOTT	17.06.00	SCHWALGE		
01				ROHDE & SCHWARZ			ZEICHN.-NR.	
AEND.	AENDERUNGS-	DATUM	NAME	ZU GERÄT UPL.			1078.2708.01	
IND.	MITTEILUNG			REG. I. V. 1078.2008			ERSTE Z. 1078.2008	
							BLATT-NR.	
							1+	
							V. B.	

FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

DARSTELLUNG SEITE A  
VIEW ON SIDE A

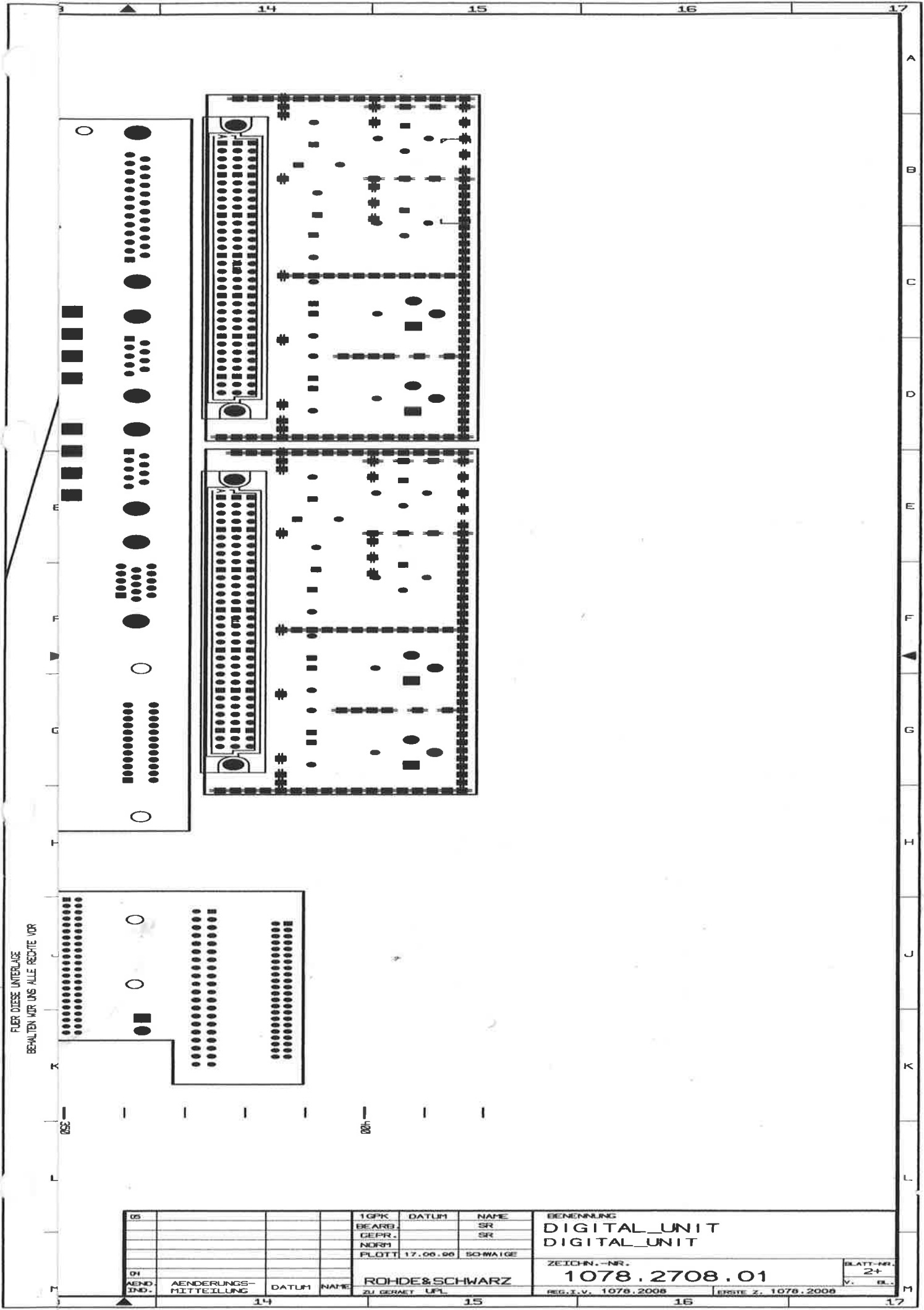


FLIER DIESE UNTERLAGE  
BEHALTEN VOR UNS ALLE RECHTE VOR



 **ACHTUNG! ESD!**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERGÄNZEND EINE  
SICHERHEITSHANDLUNG!  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

BINDENDE ANGABEN LEDER VARIANTEN,  
TRIFFMERTE, BAUTEILMERTE UND  
NICHT BESTÜCKTE BAUTEILE SIEHE SA.  
FOR BINDING INFORMATION ON MODELS,  
TRIPPING AND COMPONENTS VALUES AND  
NON-FITTED COMPONENTS SEE PARTS LIST.



FÜR DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR

05				1 GPK	DATUM	NAME	BENENNUNG	
				BEARB.		SR	DIGITAL_UNIT	
				GEPR.		SR	DIGITAL_UNIT	
				NDRM				
				PLOTT	17.06.90	SCHWATGE		
01				ROHDE & SCHWARZ			ZEICHN.-NR.	
ÄND.	ÄNDERUNGS-	DATUM	NAME	ZU GERÄT UPL.			1078.2708.01	
IND.	MITTEILUNG			REG. I.V. 1078.2008			ERSTE Z. 1078.2008	
							BLATT-NR.	
							2+	
							V. DL.	

## **XY-Liste**

## **XY List**

### **Erklärung der Spaltenbezeichnungen:**

- Part:** Bauelement-Kennzeichen.
- Side:** Leiterplatten-Seite, auf der sich das Bauelement befindet.
- X/Y:** Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
- SQR, PG:** Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

### **Explanation of column designations:**

- Part:** Identification of instrument part.
- Side:** Side of the PC board on which instrument part is positioned.
- X/Y:** Coordinates (millimeter) of the component on the PC board in reference to zero point.
- SQR, PG:** Square and page of the diagram for the respective instrument part.





Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C157	B	56	145	1E	12	D9-A	B	144	87	5C	17	D29-B				1E	17
C158	B	59	110	1E	12	D9-B				5E	17	D30-A	B	157	76	2C	17
C159	B	84	115	8E	15	D10-A	B	116	74	10A	13	D30-B				2E	17
C160	B	88	36	2E	13	D10-B				8E	13	D31-A	B	39	265	3D	17
C161	B	81	285	6E	18	D10-C				7E	13	D31-B				3E	17
C162	B	188	387	3A	4	D11-A	B	139	73	7B	17	D32-A	B	131	54	4D	13
C163	B	153	384	3C	4	D11-B				7C	17	D32-B				5E	13
C164	B	100	222	4E	2	D11-C				5E	17	D32-C				5E	13
C165	B	188	384	3A	4	D12-A	B	18	267	7D	17	D32-D				4E	13
C166	B	155	388	3C	4	D12-B				7D	17	D32-E				3E	13
C167	B	185	384	3A	4	D12-C				6E	17	D33-A	B	57	32	7A	13
C168	B	21	96	5E	15	D13-A	B	245	144	6A	18	D33-B				4E	13
C169	B	302	323	3E	7	D13-B				5E	18	D34-A	B	115	57	2C	13
C170	B	110	386	3E	4	D14-A	B	264	144	6C	18	D34-B				3E	13
C171	B	116	386	3E	4	D14-B				6E	18	D35-A	B	87	32	7C	13
C172	B	132	386	3D	4	D15-A	B	245	146	7A	18	D35-B				5E	13
C173	B	137	386	3D	4	D15-B				7E	18	D36-A	B	72	32	9A	13
C174	B	156	384	3B	4	D16-A	B	264	146	7C	18	D36-B				5E	13
C175	B	158	388	3B	4	D16-B				7E	18	D37-A	B	47	78	3A	12
C176	B	296	384	3A	11	D17-A	B	262	161	4A	18	D37-B				2A	13
C177	B	302	312	3E	7	D17-B				1E	18	D37-C				2E	12
C178	B	98	393	2E	4	D18-A	B	271	161	4C	18	D38-A	B	103	32	9C	13
C179	B	222	386	3E	11	D18-B				2E	18	D38-B				6E	13
C180	B	228	386	3E	11	D19-A	B	253	161	2A	18	D39-A	B	101	133	6B	15
C181	B	244	386	3D	11	D19-B				2E	18	D39-B				6E	15
C182	B	249	386	3D	11	D20-A	B	244	161	2C	18	D40-A	B	97	98	2B	14
C183	B	268	384	3B	11	D20-B				3E	18	D40-B				2D	14
C184	B	270	388	3B	11	D21-A	B	282	149	1E	18	D41-A	B	97	166	4B	15
C185	B	296	387	3A	11	D21-B				2E	18	D41-B				2E	15
C186	B	185	387	3A	4	D21-C				2D	18	D42-A	B	36	151	2B	15
C187	B	121	393	2D	4	D21-D				3D	18	D42-B				2C	15
C188	B	210	393	2E	11	D21-E				3E	18	D42-C				4E	15
C189	B	233	393	2D	11	D22-A	B	281	161	2E	18	D43-A	B	70	153	3C	12
D1-A	B	187	68	6B	16	D22-B				2D	18	D43-B				3D	12
D1-B				6E	16	D22-C				3D	18	D43-C				3D	12
D2-A	B	184	115	2A	16	D22-D				4F	18	D43-D				3C	15
D2-B				2E	16	D22-E				3C	19	D43-E				4E	15
D3-A	B	201	115	2B	16	D22-F				4F	18	D44-A	B	152	239	8A	8
D3-B				2E	16	D22-G				4E	18	D44-B				3A	8
D4-A	B	208	106	3C	16	D23-A	B	282	135	3D	18	D45-A	B	168	161	2D	8
D4-B				3E	16	D23-B				3F	18	D45-B				3A	8
D5-A	B	232	116	3D	16	D23-C				3F	18	D46-A	B	109	199	2B	8
D5-B				3E	16	D23-D				3F	18	D46-B				4C	8
D6-A	B	217	89	4C	16	D23-E				7E	18	D46-C				2A	8
D6-B				4C	16	D24-A	B	227	40	2B	19	D47-A	B	39	100	5D	12
D6-C				4C	16	D24-B				2D	19	D47-B				5E	12
D6-D				3D	17	D25-A	B	168	164	1A	8	D47-C				5E	12
D6-E				4E	16	D25-B				2C	8	D47-D				5E	12
D7-A	B	232	101	4D	16	D26-A	B	72	128	5A	12	D47-E				3E	12
D7-B				7C	16	D26-B				2E	12	D48-A	B	26	99	1B	15
D7-C				7D	16	D27-A	B	66	66	10C	13	D48-B				5E	15
D7-D				3D	17	D27-B				7E	13	D49-A	B	61	169	4A	15
D7-E				4E	16	D28-A	B	111	52	4A	13	D49-B				3E	15
D8-A	B	149	106	7A	17	D28-B				2E	13	D50-A	B	21	114	7C	12
D8-B				4E	17	D29-A	B	157	96	2B	17	D50-B				4E	12

ROHDE & SCHWARZ	-I	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
		05 17.06.96	ED DIGITAL_UNIT DIGITAL_UNIT	1078.2708.01 XY	2+

Part Side X	Y	Sqr	Pg	Part Side X	Y	Sqr	Pg	Part Side X	Y	Sqr	Pg
D51-A	B 75	40	10B 13	D73-B		6D	7	R7	B 259	53	4E 16
D51-B			10B 13	D73-C		3F	7	R8	B 143	114	5A 17
D51-C			6E 13	D74-A	B 255	208	6A 7	R9	B 35	24	7A 6
D52-A	B 158	241	7A 8	D74-B		2F	7	R10	B 138	79	3B 17
D52-B			1A 8	D75-A	B 61	155	2B 15	R11	B 217	15	3A 19
D53-A	B 186	328	10A 5	D75-B		3E	15	R12	B 241	22	3B 19
D53-B			7F 5	D76-A	B 79	112	7D 15	R13	B 232	289	1A 2
D54-A	B 39	114	7A 12	D76-B		7E	15	R14	B 296	344	5B 5
D54-B			3E 12	D82-A	B 144	279	5D 10	R15	B 281	293	5C 5
D55-A	B 79	331	6A 9	D82-B		5E	10	R16	B 40	86	4A 12
D55-B			6D 9	D82-C		5E	10	R17	B 190	350	11A 5
D56-A	B 271	300	5A 5	D82-D		5E	10	R18	B 240	333	9D 5
D56-B			3F 5	D82-E		5E	10	R19	B 102	315	7D 9
D57-A	B 183	254	2B 10	D82-F		12C	10	R20	B 289	293	5C 5
D57-B			12C 10	D82-G		11C	10	R21	B 284	293	5C 5
D58-A	B 166	259	3B 10	F1	B 268	391	2B 11	R22	B 286	293	5D 5
D58-B			10C 10	F2	B 297	391	2A 11	R23	B 279	293	5C 5
D59-A	B 138	241	3D 10	F3	B 290	389	3A 11	R24	B 37	24	7A 6
D59-B			10C 10	F4	B 274	392	3B 11	R25	B 133	202	6F 8
D60-A	B 152	258	1D 10	F5	B 156	391	2B 4	R26	B 203	334	10B 5
D60-B			2D 10	F6	B 131	391	3D 4	R27	B 136	198	6E 8
D60-C			2D 10	F7	B 108	391	3E 4	R28	B 74	242	4E 18
D60-D			6E 10	F8	B 135	391	3D 4	R29	B 79	238	4E 18
D60-E			10E 10	F9	B 111	391	3E 4	R30	B 76	236	4E 18
D61-A	B 126	269	4B 10	F10	B 185	391	2A 4	R31	B 144	171	8C 8
D61-B			12D 10	F11	B 178	389	3A 4	R32	B 258	17	2C 19
D62-A	B 182	280	9B 10	F12	B 163	392	3B 4	R33	B 137	170	8C 8
D62-B			9C 10	F104	B 243	391	3D 11	R34	B 128	348	8C 8
D62-C			10D 10	F105	B 220	391	3E 11	R35	B 133	348	9D 8
D63-A	B 142	269	4D 10	F114	B 246	391	3D 11	R36	B 114	345	9B 8
D63-B			11E 10	F115	B 223	391	3E 11	R37	B 115	348	9B 8
D64-A	B 182	294	9E 10	G1	B 91	345	3B 9	R38	B 118	345	9C 8
D64-B			9B 10	G2	B 86	234	5E 18	R39	B 40	25	7A 6
D64-C			11C 10	G3	B 65	89	2B 12	R40	B 117	348	9C 8
D65-A	B 167	269	3C 10	G5	B 264	293	5E 5	R41	B 123	345	10C 8
D65-B			11C 10	G6	B 257	305	5D 5	R42	B 122	348	10C 8
D66-A	B 223	328	10C 5	H1	B 13	31	4B 12	R43	B 193	212	4D 8
D66-B			8F 5	H2	B 13	24	4B 13	R44	B 135	218	4D 8
D67-A	B 163	280	9D 10	L1	B 29	196	11D 2	R45	B 136	206	8D 8
D67-B			9A 10	L2	B 299	332	3E 7	R46	B 193	202	9D 8
D67-C			11D 10	L4	B 122	122	6E 15	R47	B 148	290	6E 10
D68-A	B 29	27	3C 6	L5	B 118	87	2D 14	R48	B 144	290	5D 10
D68-B			2D 6	L6	B 97	172	3E 15	R49	B 102	325	6C 9
D68-C			2D 6	L7	B 129	316	11B 10	R50	B 263	259	7C 7
D68-D			1D 6	L8	B 48	48	4D 6	R51	B 194	343	11A 5
D68-E			4F 6	L9	B 191	8	6A 6	R52	B 183	350	11A 5
D69-A	B 33	37	3D 6	N1	B 145	173	7C 8	R53	B 197	350	11B 5
D69-B			4D 6	N2-A	B 102	217	4E 2	R54	B 258	23	2C 19
D70-A	B 177	220	5A 8	N2-B			5F 2	R55	B 256	17	2C 19
D70-B			8E 8	R1	B 52	217	11D 2	R56	B 256	23	2C 19
D71-A	B 109	191	3B 8	R2	B 259	45	4D 16	R57	B 253	17	2C 19
D71-B			2A 8	R3	B 44	74	7C 2	R58	B 187	343	11B 5
D72-A	B 265	287	6B 7	R4	B 134	78	3B 17	R59	B 201	343	11B 5
D72-B			2F 7	R5	B 75	233	4D 18	R60	B 74	316	7D 9
D73-A	B 255	242	6C 7	R6	B 229	20	3B 19	R61	B 74	314	7D 9

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R227	B	232	286	1A	2	V17	B	284	331	6A	5	X40	B	131	82	6A	17
R228	B	292	344	5C	5	V18	B	285	327	7A	5	X52	B	154	359	11D	8
R230	B	134	81	5C	17	V19	B	286	324	8A	5	X53	B	182	143	7E	8
R231	B	218	17	3A	19	V20	B	272	331	7A	5	X66	B	260	361	9B	5
R232	B	220	15	3A	19	V21	B	271	335	7A	5	X99	B	96	361	7A	9
R233	B	222	15	3A	19	V22	B	274	327	8A	5	X101	A	297	376	2E	11
R234	B	221	17	3A	19	V23	B	270	324	7A	5	X102	B	302	406	3B	11
R235	B	223	17	3A	19	V24	B	275	324	7A	5	X103	B	276	406	3C	11
R236	B	225	15	3B	19	V25	B	269	327	7A	5	X104	B	239	408	3D	11
R237	B	226	17	3B	19	V26	B	266	335	7A	5	X105	B	213	408	3E	11
R238	B	230	18	3B	19	V27	B	267	331	7A	5	X240	B	58	351	1E	3
R239	B	232	20	3B	19	V28	B	290	330	8A	5	X241	B	55	375	2D	3
R240	B	233	18	3B	19	V29	B	162	35	3C	6	X242	B	51	387	4E	3
R241	B	234	20	3B	19	W1	B	10	311	10E	2	X243	B	21	363	1E	3
R242	B	235	18	3B	19	W2	B	30	326	10D	2	Z1	B	220	341	11E	5
R243	B	237	20	3B	19	W21	B	276	116	2B	5	Z2	B	244	348	11E	5
R244	B	238	18	3B	19	X1	B	27	213	11E	2	Z3	B	241	341	11E	5
R245	B	242	18	3B	19	X2	B	213	7	11B	2	Z4	B	227	341	11D	5
R246	B	244	22	3B	19	X3	B	226	62	10B	2	Z5	B	237	348	11D	5
R247	B	245	18	3B	19	X4	B	9	62	8C	2	Z6	B	223	348	11D	5
R248	B	246	22	4C	19	X5	B	47	166	8F	2	Z7	B	234	341	11C	5
R249	B	248	17	3C	19	X6	B	244	320	2B	2	Z8	B	230	348	11C	5
R250	B	249	20	3D	19	X7	B	76	110	3C	12	Z9	B	183	341	11C	5
R251	B	250	17	4D	19	X8	B	269	35	11C	2	Z10	B	207	348	11C	5
R252	B	140	217	4D	8	X9	B	77	97	2B	12	Z11	B	204	341	11B	5
R256	B	277	339	7B	5	X10	B	39	220	11D	2	Z12	B	190	341	11B	5
R257	B	271	340	7B	5	X11	B	41	337	5E	2	Z13	B	200	348	11B	5
R258	B	267	340	7B	5	X12	A	185	376	2E	4	Z14	B	186	348	11A	5
R259	B	292	333	3E	7	X13	B	191	406	3B	4	Z15	B	197	341	11A	5
U2	B	126	13	7F	2	X14	B	164	406	3C	4	Z16	B	193	348	11A	5
V1	B	74	238	4E	18	X15	B	291	159	6F	2	Z62	B	22	55	2D	6
V2	B	82	240	5E	18	X16	B	203	320	4B	2	Z63	B	18	13	2A	6
V3	B	84	238	5E	18	X17	B	127	408	3D	4	Z64	B	18	10	2A	6
V4	B	120	343	9C	8	X18	B	101	408	3E	4	Z65	B	194	37	2A	6
V5	B	125	343	10C	8	X19	B	262	14	11C	2	Z66	B	18	17	2A	6
V6	B	112	341	8B	8	X20	B	200	361	12C	5	Z67	B	175	37	2B	6
V7	B	135	345	9D	8	X22	B	281	32	1D	5	Z68	B	178	37	2B	6
V8	B	130	345	8C	8	X23	B	235	361	12E	5	Z69	B	171	37	2B	6
V9	B	134	172	7C	8	X24	B	298	261	3E	7	Z70	B	18	21	2B	6
V10	B	31	46	3D	6	X26	B	142	324	1E	10	Z71	B	209	37	2C	6
V11	B	53	36	4D	6	X27	B	197	166	4D	8	Z72	B	201	37	2C	6
V12	B	278	335	8A	5	X28	B	281	61	1E	7	Z73	B	205	37	2C	6
V13	B	279	331	8A	5	X30	B	7	10	7C	6	Z74	B	182	37	1F	6
V14	B	280	327	6A	5	X31	B	201	25	7E	6	Z75	B	186	37	1F	6
V15	B	281	324	7A	5	X33	B	51	20	8A	6	Z76	B	190	37	1E	6
V16	B	283	335	7A	5	X35	B	128	41	2C	13	Z77	B	197	37	1E	6

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VARO2=GRUNDAUSFUEHRUNG MODO2=BASIC_MODEL					
1	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
2	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
B1	EO 40.000MHZ-QU.OSZ 5V QUARTZ CRYSTAL UNIT NICHT BESTUECKT NOT FITTED	1051.4316.00	PHILIPS CO	XOS5460W		
C1	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS		
C2	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJ0603Y***KXAT		
C3	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4938.00	VITRAMON	VJ0603Y***KXAT		
C4	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C5	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5195.00	VITRAMON	VJ 1206 Y 473 K XAT		
C6	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5195.00	VITRAMON	VJ 1206 Y 473 K XAT		
C7	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
..11						
C12	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
C13	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
..20						
C21	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
C22	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C23	CC 4,7NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4809.00	VITRAMON	VJ0603Y***KXAT		
C24	CC 4,7NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4809.00	VITRAMON	VJ0603Y***KXAT		
C25	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C26	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C27	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C28	CC 2,2NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8444.00	VITRAMON	VJ1206 Y 222 K AT		
C29	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C30	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C31	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C32	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C33	CC 2,2NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8444.00	VITRAMON	VJ1206 Y 222 K AT		
C34	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
..37						
C38	CE 10UF+-20%35V 7343 SMD-TANTALUM CAPACITOR	1078.3291.00	SIEMENS	B45197-A6106-M40		
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C39 ..48	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C49	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJ0603Y***KXAT	
C50	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C51	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C52	CC 2,2NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8444.00	VITRAMON	VJ1206 Y 222 K AT	
C53 ..58	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C59 ..65	CC 2,2NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8444.00	VITRAMON	VJ1206 Y 222 K AT	
C66	CE 4,7UF+-20%50V RUND SMD SMD-ELECTTROLYTIC CAPACIT	CE 0009.6530.00	SANYO	50CV4.7FS	
C67 ..71	CC 2,2NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8444.00	VITRAMON	VJ1206 Y 222 K AT	
C72	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C73	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C74	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C75	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C76 ..78	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C79	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C80	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C81	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C82 ..84	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C85	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C86	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C87	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C88	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C89	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT	
C90	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C91	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT	
C92	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C93 ..95	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C96	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C97	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C98	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C99	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C100	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C101	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C102	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C103	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C104	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
C105	NICHT BESTUECKT NOT FITTED CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C106	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C107	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C108	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C109	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM		
C110	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS		
C111	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS		
C112	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT		
C113	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT		
C114	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C115	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT		
..119	CERAMIC CHIP CAPACITOR					
C120	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
C121	CE 4,7UF+-20%50V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6530.00	SANYO	50CV4.7FS		
C122	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT		
C123	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
C124	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C125	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C126	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM		
C127	CE 2,2UF+-20%50V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6524.00	SANYO	50CV2.2FS		
C128	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM		
C129	CE 2,2UF+-20%50V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6524.00	SANYO	50CV2.2FS		
C130	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
..132	CERAMIC CHIP CAPACITOR					
C133	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C134	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C135	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
..140	CERAMIC CHIP CAPACITOR					
C141	CC 2,2NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8444.00	VITRAMON	VJ1206 Y 222 K AT		
C142	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT		
C143	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT		
C144	CC 2,2NF+-10%50VX7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8444.00	VITRAMON	VJ1206 Y 222 K AT		
C145	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT		
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C146	NOT FITTED CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT	
C147	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT	
C148	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT	
C149	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT	
C150	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT	
C151	CE 47UF +-10% 10V 7343 TANTALUM SMD-CAPACITOR NICHT BESTUECKT NOT FITTED	CE 0007.7300.00	SPRAGUE EL	293D X9 010 D2T	
C152	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C153	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C154	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C155	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C161	CE 470MF-20+80%5,5V GOLD-CAPACITOR	6073.4362.00	PANACOL-EL	EECF5R5U474	
C162	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C163	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C164	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C165	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C166	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C167	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C168	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C169	CE 470UF+-20%25V RD11X16 ELECTROLYTIC CAPACITOR NICHT BESTUECKT NOT FITTED	CE 0008.1987.00	PANASONIC	ECA1 EFG 471B	
C170	CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	1078.3362.00	VITRAMON	VJ1206A470F XET	
C171	CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C172	NICHT BESTUECKT NOT FITTED CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C173	NICHT BESTUECKT NOT FITTED CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C174	NICHT BESTUECKT NOT FITTED CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C175	NICHT BESTUECKT NOT FITTED CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C176	NICHT BESTUECKT NOT FITTED CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C177	CE 470UF+-20%25V RD11X16 ELECTROLYTIC CAPACITOR	CE 0008.1987.00	PANASONIC	ECA1 EFG 471B	
C178	CC 1NF +-10%500VHDK1206 CERAMIC CHIP CAPACITOR	0007.8807.00	VITRAMON	VJ1206 Y102K XET	
C179	NICHT BESTUECKT NOT FITTED CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
..182	CERAMIC CHIP CAPACITOR				
C183	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
..185	CERAMIC CHIP CAPACITOR				
C186	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C187	NICHT BESTUECKT NOT FITTED CC 1NF +-10%500VHDK1206 CERAMIC CHIP CAPACITOR	0007.8807.00	VITRAMON	VJ1206 Y102K XET	
C188	NICHT BESTUECKT NOT FITTED CC 1NF +-10%500VHDK1206 CERAMIC CHIP CAPACITOR	0007.8807.00	VITRAMON	VJ1206 Y102K XET	
C189	NICHT BESTUECKT NOT FITTED CC 1NF +-10%500VHDK1206 CERAMIC CHIP CAPACITOR	0007.8807.00	VITRAMON	VJ1206 Y102K XET	
D1	BG 8002-713 SERPA ASIC IC GATE ARRAY	1030.8570.00	VLSI	---	
D2	BL PC74HCT245T 8XTRANSC OCTAL BUS TRANSCEIVER	BL 0007.5414.00	PHILIPS SE	74HCT245D	
D3	BL PC74HCT245T 8XTRANSC OCTAL BUS TRANSCEIVER	BL 0007.5414.00	PHILIPS SE	74HCT245D	
D4	BL PC74HCT688T 8B.COMPAR. MAGNITUDE COMPARATOR	BL 0007.6762.00	PHILIPS SE	74HCT688D	
D5	BL PC74HCT138T LINE DECOD LINE DECODER	BL 0007.5120.00	PHILIPS SE	74HCT136D	
D6	BL PC74HCT02T 4X2IN NORG QUAD 2INPUT NORGATE	BL 0007.5366.00	PHILIPS SE	74HCT02D	
D7	BL PC74HCT125T 4XBUFF. 3S QUAD LINE DRIVER	BL 0007.5395.00	PHILIPS SE	74HCT125D	
D8	BL PC74HCT245T 8XTRANSC OCTAL BUS TRANSCEIVER	BL 0007.5414.00	PHILIPS SE	74HCT245D	
D9	BL PC74HCT138T LINE DECOD LINE DECODER	BL 0007.5120.00	PHILIPS SE	74HCT136D	
D10	BL 74ACT244SC 8XBUFFER SS IC OCTAL BUFFER 3-STATE	BL 1012.9462.00	HARRIS	CD74ACT244M	
D11	BL PC74HCT244T 8XBUFF 3S OCTAL BUFFER	BL 0007.6562.00	PHILIPS SE	74HCT244D	
D12	BL PC74HCT244T 8XBUFF 3S OCTAL BUFFER	BL 0007.6562.00	PHILIPS SE	74HCT244D	
D13	BC 84256-12LP 32KX8 SRAM RAM	0007.6985.00	FUJITSU LI	MB84256C-10(-70)LPF	
D14	BC 84256-12LP 32KX8 SRAM RAM	0007.6985.00	FUJITSU LI	MB84256C-10(-70)LPF	
D15	BC TC551001FL 128KX8 SRAM STATIC RAM 128KX8	1046.3938.00	TOSHIBA	TC551001AFL-70	
D16	NICHT BESTUECKT NOT FITTED BC TC551001FL 128KX8 SRAM STATIC RAM 128KX8	1046.3938.00	TOSHIBA	TC551001AFL-70	

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D17	NICHT BESTUECKT NOT FITTED				
. .20	BL PC74HCT191T U/D BI.CTR UP/DOWN COUNTER	BL 0007.6479.00	PHILIPS-CO	PC74HCT191T	
D21	BL PC74HCT02T 4X2IN NORQ QUAD 2INPUT NORQATE	BL 0007.5366.00	PHILIPS SE	74HCT02D	
D22	BL PC74HCT04T 6XINVERT HEXINVERTER	BL 0007.5372.00	PHILIPS SE	74HCT04D	
D23	BL PC74HCT02T 4X2IN.NORQ QUAD 2INPUT NOR GATE	BL 0007.3470.00	PHILIPS SE	74HCT02D	
D24	BG L5A8612 PERIF2 ASIC IC ASIC KEYBOARD INTERF.	0009.0432.00	LSI	L5A8612	
D25	BC TC514260BJ 256KX16DRAM IC MEMORY	0009.9823.00	TOSHIBA	TC514260BJ-70	
D26	BC TMS320C31PQL FLPTR DSP DIGITAL SIGNAL PROCESSOR	1078.3310.00	TEXAS INST	TMS320C31PQL60 (NEU)	
D27	BL 74ACT245SC 8XBUSTRASC IC OCTAL BUS-TRASC 3-ST	BL 0008.0739.00	HARRIS	CD74ACT245M	
D28	BC TMS320C31PQL FLPTR DSP DIGITAL SIGNAL PROCESSOR	1078.3310.00	TEXAS INST	TMS320C31PQL60 (NEU)	
D29	BL PC74HCT574T 8XD-FF 3S OCTAL D-TYPE FLIPFLOP	BL 0007.6727.00	PHILIPS-CO	PC74HCT574T	
D30	BL PC74HCT574T 8XD-FF 3S OCTAL D-TYPE FLIPFLOP	BL 0007.6727.00	PHILIPS-CO	PC74HCT574T	
D31	BC X24164S8 2KX8 EEPROM IC MEMORY	2013.8937.00	XICOR INC.	XC24164S8	
	NICHT BESTUECKT NOT FITTED				
D32	BL 74ACTOOSC 4X 2-NAND IC QUAD 2INP NAND GATE	BL 0008.0668.00	HARRIS	CD74ACTO0M	
D33	BC TC551664J-15 SRAM IC MEMORY	0009.8385.00	TOSHIBA	TC551664AJ-15 (NEU)	
D34	BL 74ACT138SC 3TO8 DECOD 3-TO-8 DECODER/DEMUX	BL 2007.5017.00	HARRIS	CD74ACT138M	
D35	BC TC551664J-15 SRAM IC MEMORY	0009.8385.00	TOSHIBA	TC551664AJ-15 (NEU)	
D36	BC TC551664J-15 SRAM IC MEMORY	0009.8385.00	TOSHIBA	TC551664AJ-15 (NEU)	
D37	BL PC74HCT244T 8XBUFFER 3S OCTAL BUFFER	BL 0007.6562.00	PHILIPS SE	74HCT244D	
D38	BC TC551664J-15 SRAM IC MEMORY	0009.8385.00	TOSHIBA	TC551664AJ-15 (NEU)	
D39	BG 8002-713 SERPA ASIC IC GATE ARRAY	1030.8570.00	VLSI	---	
. .41					
D42	BL 74ACT74SC 2XRSFLIPFLOP IC DUAL D-FLIPFLOP	BL 0008.0680.00	HARRIS	CD74ACT74M	
D43	BL 74ACTOOSC 4X 2-NAND IC QUAD 2INP NAND GATE	BL 0008.0668.00	HARRIS	CD74ACTO0M	
D44	BL PC74HCT245T 8XTRASC OCTAL BUS TRANSCEIVER	BL 0007.5414.00	PHILIPS SE	74HCT245D	
D45	BC TC514260BJ 256KX16DRAM IC MEMORY	0009.9823.00	TOSHIBA	TC514260BJ-70	
	NICHT BESTUECKT NOT FITTED				
D46	BL PC74HCT74T 2XD-FLIPFL DUAL D-TYPE FLIP FLOP	BL 0007.6262.00	PHILIPS SE	74HCT74D	
	NICHT BESTUECKT NOT FITTED				
D47	BL 74ACTOOSC 4X 2-NAND IC QUAD 2INP NAND GATE	BL 0008.0668.00	HARRIS	CD74ACTO0M	
D48	BL 74ACT257SC 4X 2INP MUX IC QUAD 2INP MULIPLEXER	BL 1051.4174.00	NSC	74ACT257SC	
D49	BL 74ACT257SC 4X 2INP MUX IC QUAD 2INP MULIPLEXER	BL 1051.4174.00	NSC	74ACT257SC	
D50	BC TC551664J-15 SRAM IC MEMORY	0009.8385.00	TOSHIBA	TC551664AJ-15 (NEU)	
D51	BL 74ACT244SC 8XBUFFER SS IC OCTAL BUFFER 3-STATE	BL 1012.9462.00	HARRIS	CD74ACT244M	
D52	HS ID/CAL-EPROM	1078.2772.00			
D53	BJ MAX239CWG RS232 3TX5RX RS232-TRANSCEIVER	1003.0908.00	MAXIM	MAX239CWG	
D54	BC TC551664J-15 SRAM IC MEMORY	0009.8385.00	TOSHIBA	TC551664AJ-15 (NEU)	
D55	BC TNT4882C IEE488-CONTRL NUR F.SERV.ZWECKE STRAFE!	1050.0700.00	NATIONAL/I	TNT4882CAQ	
D56	BC FDC37C665 FLOPPYCONTR IC FLOPPY DISK CONTR	2008.0490.00	STANDARD M	FDC37C665	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
D57	BL PC74HCT688T 8B.COMPAR. MAGNITUDE COMPARATOR NICHT BESTUECKT NOT FITTED	BL 0007.6762.00	PHILIPS SE	74HCT688D	
D58	BL PC74HCT138T LINE DECOD LINE DECODER NICHT BESTUECKT NOT FITTED	BL 0007.5120.00	PHILIPS SE	74HCT136D	
D59	BL PC74HCT245T 8XTRANSC OCTAL BUS TRANSCEIVER NICHT BESTUECKT NOT FITTED	BL 0007.5414.00	PHILIPS SE	74HCT245D	
D60	BL PC74HCT02T 4X2IN NORG QUAD 2INPUT NORGATE NICHT BESTUECKT NOT FITTED	BL 0007.5366.00	PHILIPS SE	74HCT02D	
D61	BL 74ACT374SC 8XD-FF 3S IC OCTAL D-FLIPFLOP 3ST NICHT BESTUECKT NOT FITTED	BL 1012.9485.00	HARRIS	CD74ACT374M	
D62	BL PC74HCT244T 8XBUFFER 3S OCTAL BUFFER NICHT BESTUECKT NOT FITTED	BL 0007.6562.00	PHILIPS SE	74HCT244D	
D63	BL PC74HCT174T 6XD-FF HEX D-TYPE FLIPFLOP NICHT BESTUECKT NOT FITTED	BL 0007.6456.00	PHILIPS-CO	PC74HCT174T	
D64	BL PC74HCT240T 8XINV.BUFF OCTAL BUFFER INVERTING NICHT BESTUECKT NOT FITTED	BL 0007.6533.00	PHILIPS SE	74HCT240D	
D65	BL PC74HCT138T LINE DECOD LINE DECODER NICHT BESTUECKT NOT FITTED	BL 0007.5120.00	PHILIPS SE	74HCT136D	
D66	BJ MAX239CWG RS232 3TX5RX RS232-TRANSCEIVER	1003.0908.00	MAXIM	MAX239CWG	
D67	BL PC74HCT244T 8XBUFFER 3S OCTAL BUFFER NICHT BESTUECKT NOT FITTED	BL 0007.6562.00	PHILIPS SE	74HCT244D	
D68	BL PC74HCT02T 4X2IN NORG QUAD 2INPUT NORGATE	BL 0007.5366.00	PHILIPS SE	74HCT02D	
D69	BO MAX749CSA INV SCH.REGL IC DIG CONTR INVERTER	1078.3304.00	MAXIM	MAX749CSA	
D70	BC GD6205 LCD VGA CTRL IC LCD VGA CONTROLLER	1050.0675.00	CIRRUS LOG	GD6205-65QC	
D71	BL PC74HCT40103T PROG.CNT BINARY DOWN COUNTER NICHT BESTUECKT NOT FITTED	BL 0007.6956.00	PHILIPS-CO	PC74HCT40103T	
D72	BL PC74HCT245T 8XTRANSC OCTAL BUS TRANSCEIVER	BL 0007.5414.00	PHILIPS SE	74HCT245D	
D73	BL PC74HCT244T 8XBUFFER 3S OCTAL BUFFER	BL 0007.6562.00	PHILIPS SE	74HCT244D	
D74	BL PC74HCT245T 8XTRANSC OCTAL BUS TRANSCEIVER	BL 0007.5414.00	PHILIPS SE	74HCT245D	
D75	BL PC74HCT40103T PROG.CNT BINARY DOWN COUNTER	BL 0007.6956.00	PHILIPS-CO	PC74HCT40103T	
D76	BL 74ACT257SC 4X 2INP MUX IC QUAD 2INP MULIPLXER	BL 1051.4174.00	NSC	74ACT257SC	
D82	BL 74ACT05M 6X O.D.INVERT IC HEX INVERTER O.DRAIN NICHT BESTUECKT NOT FITTED	BL 1036.4477.00	HARRIS	CD74ACT05M	
F1	SU 90V RD 6X4,6 DRAHTANS. VOLTAGE DISCHARGER	0335.3421.00	SIEMENS		
F5	SU 90V RD 6X4,6 DRAHTANS. VOLTAGE DISCHARGER NICHT BESTUECKT NOT FITTED	0335.3421.00	SIEMENS		
F6	SU UEBERSP.ABLEITER 230V ARRESTER NICHT BESTUECKT NOT FITTED	1078.3379.00	SIEMENS	M51-A230X , Q69-X293	

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F7	SU UEBERSP.ABLEITER 230V ARRESTER NICHT BESTUECKT NOT FITTED	1078.3379.00	SIEMENS	M51-A230X , Q69-X293	
F8	SU UEBERSP.ABLEITER 230V ARRESTER NICHT BESTUECKT NOT FITTED	1078.3379.00	SIEMENS	M51-A230X , Q69-X293	
F9	SU UEBERSP.ABLEITER 230V ARRESTER NICHT BESTUECKT NOT FITTED	1078.3379.00	SIEMENS	M51-A230X , Q69-X293	
F10	SU 90V RD 6X4,6 DRAHTANS. VOLTAGE DISCHARGER NICHT BESTUECKT NOT FITTED	0335.3421.00	SIEMENS		
F11	SU 90V RD 6X4,6 DRAHTANS. VOLTAGE DISCHARGER NICHT BESTUECKT NOT FITTED	0335.3421.00	SIEMENS		
F12	SU 90V RD 6X4,6 DRAHTANS. VOLTAGE DISCHARGER NICHT BESTUECKT NOT FITTED	0335.3421.00	SIEMENS		
F104	SU UEBERSP.ABLEITER 230V ARRESTER	1078.3379.00	SIEMENS	M51-A230X , Q69-X293	
F105	NICHT BESTUECKT/NOT FITTED SU UEBERSP.ABLEITER 230V ARRESTER	1078.3379.00	SIEMENS	M51-A230X , Q69-X293	
F114	NICHT BESTUECKT/NOT FITTED SU UEBERSP.ABLEITER 230V ARRESTER	1078.3379.00	SIEMENS	M51-A230X , Q69-X293	
F115	NICHT BESTUECKT/NOT FITTED SU UEBERSP.ABLEITER 230V ARRESTER	1078.3379.00	SIEMENS	M51-A230X , Q69-X293	
G1	EO 40,000MHZ QUARZOSZ QUARTZ CRYSTAL OSCILLATOR	1078.3133.00	SEIKO	SG615PH 40.000MHZ	
G2	EB 3,4V LITHIUM-BATTERIE LI BATTERY NICHT BESTUECKT NOT FITTED	0565.1687.00	SONNENSCHNE	SL-750/P/009 1110750	
G3	EO 60,000MHZ QUARZOSZ QUARTZ CRYSTAL UNIT	1078.3427.00	SEIKO	SG615PH-C 60.000MHZ	
G5	EO 24,000MHZ QUARZOSZ QUARTZ CRYSTAL OSCILLATOR	1078.3127.00	SEIKO	SG615P 24.000MHZ	
G6	EO 24,000MHZ-QU.OSZ 5V CLOCK OSZILLATOR NICHT BESTUECKT NOT FITTED	1006.4210.00	PHILIPS CO	X0S5460W	
H1	AF LYS260DO GELB LED LIGHT EMITTING DIODE	1003.0714.00	SIEMENS	LY-S260-DO	
H2	AF LYS260DO GELB LED LIGHT EMITTING DIODE	1003.0714.00	SIEMENS	LY-S260-DO	
L1	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	
L2	LD SP-DROSSEL 68UH 0,68A CHOKE	1081.1821.00	SUMIDA	CDR74-680	
L4	LD 100NH10%OR21 660MA1206 CERAMIC CHIP COIL	0691.0733.00	STETTNER	5503 00404 100NH+-10	
L7	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR NICHT BESTUECKT NOT FITTED	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L8	LD SP-DROSSEL 47UH 1,5A CHOKE	1081.0331.00	SUMIDA	CDR125-470	
L9	LD 47NH 10% 0,51A 1210 SMD-INDUCTOR	0008.5976.00	SIEMENS	B82422-A3470-K100	
N1	BO LM334M 1-40V 10MA IREF CURRENT SOURCE	1006.4256.00	NSC	LM334M	
N2	BO TL7705ACD UPSUPERVISOR IC RESET/POWER-CONTROLLER	6042.7524.00	TEXAS	TL7705ACD	

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R1	RK SMD-HEISSL. 100K 1206 SMD-NTC-RESISTOR	0008.9236.00	SIEMENS	B57621-C104-J	
R2	RG 121 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.9498.00	DALE	CRCW 0603	....0
R3	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R4	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R5	RG 22K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7050.00	DALE	CRCW 0603	....0
R6	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R7	RG 121 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.9498.00	DALE	CRCW 0603	....0
R8	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R9	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603	....0
R10	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R13	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R14	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R15	RG 150R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6947.00	DALE	CRCW 0603	....0
R16	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R17	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R18	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R19	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R20	RG 150R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6947.00	DALE	CRCW 0603	....0
R24	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R25	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5340.00	DALE	CRCW 0603	....0
R26	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R27	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R28	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R29	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R30	RG 22K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7050.00	DALE	CRCW 0603	....0
R31	RG 22R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6901.00	DALE	CRCW 0603	....0
R32	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T	
R33	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
R34	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R35	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R36	RG 150R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6947.00	DALE	CRCW 0603	....0
R37	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R38	RG 150R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6947.00	DALE	CRCW 0603	....0
R39	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R40	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R41	RG 150R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6947.00	DALE	CRCW 0603 . . . . 0	
R42	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R43	RG 75,0 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8855.00	DALE	CRCW1206-10 75R F-T	
R44	RG 75,0 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8855.00	DALE	CRCW1206-10 75R F-T	
R45	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603 . . . . 0	
R46	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603 . . . . 0	
R47	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.6918.00	DALE	CRCW 0603 . . . . 0	
R48	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.6918.00	DALE	CRCW 0603 . . . . 0	
R49	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R50	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603 . . . . 0	
R51	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
..53 R54	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T	
..57 R58	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R59	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R60	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R61	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R62	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R63	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R64	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R65	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R66	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R67	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603 . . . . 0	
R68	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R69	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R70	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T	
R71	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R72	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
..74 R75	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R76	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R77	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R78	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	0009.7020.00	DALE	CRCW 0603 . . . . 0	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R79	NOT FITTED RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R80	NOT FITTED RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R81	NOT FITTED RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R82	NOT FITTED RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R83	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R84	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R85	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R86	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R87	NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	0009.6918.00	DALE	CRCW 0603 . . . . 0	
R88	NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R89	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603 . . . . 0	
R90	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R91	NOT FITTED RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R92	NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R93	NOT FITTED RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R94	NOT FITTED RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R95	NOT FITTED RG 22K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7050.00	DALE	CRCW 0603 . . . . 0	
R97					
R98	NOT FITTED RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R99	NOT FITTED RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 . . . . 0	
R100	NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R101	NOT FITTED RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R102	NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R103	NOT FITTED RG 1,0 OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8265.00	PHILIPS	RC 02	
R106					
R107	NOT FITTED RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R108	NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
R109	RG 909 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6140.00	DALE	CRCW1206-10 909K F-T		
R110	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R111	RG 511 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6085.00	DALE	CRCW1206-10 511K F-T		
R112	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702		
R113	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702		
R114	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702		
R115	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R116	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0		
R117	RG 22K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7050.00	DALE	CRCW 0603 . . . . 0		
..119	R120	RK SMD-HEISSEL.470K 1206 THERMISTOR	0857.9885.00	SIEMENS	B57621-C474-J	
R121	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702		
R122	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702		
R123	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603 . . . . 0		
R124	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702		
R125	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
..127	R128	RG 150R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6947.00	DALE	CRCW 0603 . . . . 0	
R129	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R130	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R131	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R132	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R133	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R134	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R135	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R136	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0		
R137	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603 . . . . 0		
R138	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603 . . . . 0		
..157	R158	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
..162	R163	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R164	NICHT BESTUECKT NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R165	NICHT BESTUECKT NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R166	NICHT BESTUECKT NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R167	NICHT BESTUECKT NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R168	NICHT BESTUECKT NOT FITTED RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R169	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R170	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R171	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R172	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R173	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R174	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R175	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R176	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R177	NICHT BESTUECKT NOT FITTED RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R178	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
..194	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R205	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
..226	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R227	RG 33R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6918.00	DALE	CRCW 0603	....0
R228	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CD	RC21 0-OHM 2322 702	
R230	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
..252	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R256	RG 1,0 OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8265.00	PHILIPS	RC 02	
..258	NICHT BESTUECKT NOT FITTED				
R259					
U2	EL TONGEBER 6V 40MIA WARNING DEVICE 6V	0836.8538.00	DIGISOUND	F/SWX-06	

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V1	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V2	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V3	AD BAV99 70V DUO UDI DIODE NICHT BESTUECKT NOT FITTED	AD 0911.0092.00	PHILIPS-CO	BAV99	
V4	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V9	AM BSP171 P-E DMOS MOSFET	4032.4288.00	SIEMENS	BSP171	
V11	AG MBRD360 SGL 60V 3A0 SCHOTTKY RECTIFIER	4024.7875.00	MOTOROLA	MBRD360T4	
V12	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V28	AM BSP171 P-E DMOS MOSFET	4032.4288.00	SIEMENS	BSP171	
W1	DY FLACHBANDK.	1078.2950.00			
W2	DY FLACHBANDK.	1078.2966.00			
W21	DY KABEL	1078.2789.00			
X1	FP STECKERLEISTE 10P.GER CONNECTOR 10POL.	FP 0815.7603.00	J.S.T.DEUT	B10P-VH-B	
X2	BUCHSENLEISTE 34P.FLEXP CONNECTOR	1064.1927.00	MOLEX	52044-3410	
X3	FP STECKERLEISTE 26P.GER CONNECTOR 26POL.	FP 0620.0147.00	BERG	71918-126	
X4	FP STECKERLEISTE 48P.KURZ CONNECTOR 48P	FP 1040.7483.00	PANDUIT	100-348-133	
X5	FP STECKERLEISTE 48P.KURZ CONNECTOR 48P	FP 1040.7483.00	PANDUIT	100-348-133	
X6	FP BUCHSENLEISTE 98P.GER. CONNECTOR 98P.	4009.7790.00	AMP	645169	
X7	FP STECKERLEISTE 12POL CONNECTOR 12P	FP 0701.5231.00	BERG	75844-102-12	
X8	FP STECKERLEISTE 10P.GER CONNECTOR 10 WAY	FP 0649.4428.00	SIEMENS	V23535-A1200-A102	
X9	FP STIFTLAISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X10	FP STIFTL.WIN 5P.R2,54 ANGLE PIN CONNECTOR	FP 0009.7214.00			
X11	FP STECKERLEISTE 2P.GER CONNECTOR 2POL.	FP 0815.7584.00	J.S.T.DEUT	B2P-VH-B	
X12	FP BUCHSENLEISTE 96POL. CONNECTOR 96P NICHT BESTUECKT NOT FITTED	0379.8329.00	MOLEX	96S-6033-072V-9	
X13	FO EINBAUSTECKER 3P.GER. CONNECTOR NICHT BESTUECKT NOT FITTED	1078.3210.00	NEUTRIK	NC3MDM3-V	
X14	FO EINBAUSTECKER 3P.GER. CONNECTOR NICHT BESTUECKT NOT FITTED	1078.3210.00	NEUTRIK	NC3MDM3-V	
X15	FP STIFTLAISTE 4P.R2,54 PIN CONNECTOR	FP 0009.6147.00			
X16	FP BUCHSENLEISTE 98P.GER. CONNECTOR 98P.	4009.7790.00	AMP	645169	
X17	FO EINBAUBUCHSE 3P.GERADE CONNECTOR NICHT BESTUECKT NOT FITTED	1078.3204.00	NEUTRIK	NC3FDM3-V	
X18	FO EINBAUBUCHSE 3P.GERADE CONNECTOR NICHT BESTUECKT NOT FITTED	1078.3204.00	NEUTRIK	NC3FDM3-V	
X19	FP STIFTLAISTE 5P.R2,54 PIN CONNECTOR NICHT BESTUECKT NOT FITTED	FP 0009.6153.00			
X20	FM STECKERLEISTE 9P.WINK CONNECTOR 9POL	FM 4036.4818.00	FCT	F09P5G1-K407	
X22	FP STIFTSOCKEL 4POL.GS CONNECTOR	0344.9612.00	AMP	P-N350211-1	

095.0026-0693


1GPK	295 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
	<b>ROHDE &amp; SCHWARZ</b>	08	10.03.97	ED DIGITAL_UNIT	<b>1078.2708.01 SA</b>	14+

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wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
X23	FM STECKERLEISTE 9P.WINK CONNECTOR 9POL	FM 4036.4818.00	FCT	F09P5G1-K407		
X24	STECKERLEISTE 44P.R=2 TE CONNECTOR	FP 1043.9612.00	BERG	87131-044		
X26	FP STECKERLEISTE 26P.GER CONNECTOR 26P. NICHT BESTUECKT NOT FITTED	FP 0820.8610.00	SIEMENS	V23535-A2200-A262		
X27	FP STIFTLAISTE 8P.R2,54 PIN CONNECTOR	FP 0009.6182.00				
X28	FP STIFTSOCKEL 4POL.GS CONNECTOR	0344.9612.00	AMP	P-N350211-1		
X30	FP STECKERLEISTE 16P.WIN CONNECTOR 16P.	FP 0682.4281.00	BERG	77342-116		
X31	FP STECKERLEISTE20P.GER CONNECTOR 20P.	FP 0099.9428.00	SIEMENS	V23535-A1200-A202		
X33	FP STIFTL.WIN 7P.R2,54 ANGLE PIN CONNECTOR	FP 0009.7237.00				
X35	FP STECKERLEISTE 12POL CONNECTOR 12P	FP 0701.5231.00	BERG	75844-102-12		
X40	FP STIFTLAISTE 8P.R2,54 PIN CONNECTOR NICHT BESTUECKT NOT FITTED	FP 0009.6182.00				
X52	FM BU-LEISTE WIN 15P. HD CONNECTOR	1065.8902.00	FCT	CT09-15S5L228		
X53	FP BUCHSENLEISTE 48P.KURZ CONNECTOR 48P. NICHT BESTUECKT NOT FITTED	FP 0008.5899.00	PANDUIT	100-348-433B		
X66	FM BUCHSENLEISTE 25P.WINK FEMALE CONNECTOR STRIP	FM 0570.4345.00	FCT	F25S5G1-K407		
X99	FM BUCHSENLEISTE 24POL. CONNECTOR	FM 0392.5971.00	AMPHENOL	57LE-20240-27CO-D35		
X101	FP BUCHSENLEISTE 96POL. CONNECTOR 96P	0379.8329.00	MOLEX	96S-6033-072V-9		
X102	FO EINBAUSTECKER 3P.GER. CONNECTOR	1078.3210.00	NEUTRIK	NC3MDM3-V		
X103	FO EINBAUSTECKER 3P.GER. CONNECTOR	1078.3210.00	NEUTRIK	NC3MDM3-V		
X104	FO EINBAUBUCHSE 3P.GERADE CONNECTOR	1078.3204.00	NEUTRIK	NC3FDM3-V		
X105	FO EINBAUBUCHSE 3P.GERADE CONNECTOR	1078.3204.00	NEUTRIK	NC3FDM3-V		
X240	FP BUCHSENLEISTE 44P.R=2 CONNECTOR 44POL. NICHT BESTUECKT NOT FITTED	0009.5640.00	BERG	88333-044		
X241	FP STECKERLEISTE 40P.GER CONNECTOR 40P NICHT BESTUECKT NOT FITTED	FP 0820.8627.00	THOMAS&BET	501-4027ES		
X242	STECKERLEISTE 44P.R=2 TE CONNECTOR NICHT BESTUECKT NOT FITTED	FP 1043.9612.00	BERG	87131-044		
X243	FP STECKERLEISTE 2P.GER CONNECTOR 2POL. NICHT BESTUECKT NOT FITTED	FP 0815.7584.00	J.S.T.DEUT	B2P-VH-B		
Z1	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z2	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z3	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z4	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
1GPK	295 3PUA	Äi	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
	<b>ROHDE &amp; SCHWARZ</b>	08	10.03.97	ED DIGITAL_UNIT	<b>1078.2708.01 SA</b>	15+

095.0026-0693

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
Z5	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z6	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z7	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z8	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z9	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z10	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z11	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z12	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z13	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z14	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z15	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z16	LD SMD-T-FILTER 3,3NF SMD-FILTER NICHT BESTUECKT NOT FITTED	1039.1362.00	MURATA	NFM61R20T332T1		
Z62	LD SMD-T-FILTER 3,3NF SMD-FILTER	1039.1362.00	MURATA	NFM61R20T332T1		
Z63 ..77	LD SMD-T-FILTER 33PF SMD-T-FILTER 33PF	1062.6744.00	MURATA	NFM61 ROOT330		
1GPK	295 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
 <b>ROHDE &amp; SCHWARZ</b>	08	10.03.97	ED DIGITAL_UNIT	<b>1078.2708.01 SA</b>	16-	

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**Schnittstellenbeschreibung**  
Interface Description

zu: **Digital Unit**  
for: Digital Unit

Sach-Nr.: **1078.2708.02**  
Part No.:

Blatt Nr.: /Sheet No.:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Änd.-Index / Amendment																					
Blatt Nr.: /Sheet No.:	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Änd.-Index / Amendment																					

erstellt von: **Wolfgang Kufer**  
**1GP2**  
issued by:

Datum: **13.04.95**  
Date:

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>	Benennung: Digital Unit			Bl. 1
	Digital Unit			von 14
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Signal	R	A	Wertebereich	P	Bild Nr.	Anschlusspunkt	Bemerkung
Name				T			

### External Connectors

LPT1				X66			parallele Schnittstelle
\STB Strobe	O	D	TTL	D	4	X28 1	25 pol DSUB FEMALE
PD0	B	D	TTL	D		X28 2	
PD1	B	D	TTL	D		X28 3	
PD2	B	D	TTL	D		X28 4	
PD3	B	D	TTL	D		X28 5	
PD4	B	D	TTL	D		X28 6	
PD5	B	D	TTL	D		X28 7	
PD6	B	D	TTL	D		X28 8	
PD7	B	D	TTL	D		X28 9	
\ACK Acknowledge	I	D	TTL	D		X28 10	
BUSY Printer Busy	I	D	TTL	D		X28 11	
PE Paper Empty	I	D	TTL	D		X28 12	
SLCT Select Printer	I	D	TTL	D		X28 13	
\AFD Auto Feed	O	D	TTL	D		X28 14	
\ERR Error	I	D	TTL	D		X28 15	
INIT Printer Init	O	D	TTL	D		X28 16	
SLIN Select input	O	D	TTL	D		X28 17	
GND		V	Masse	D		X28 18, 19, 20, 21, 22, 23, 24, 25	

COM1				X20			serielle Schnittstelle
TxD Transmit Data	O	D	+12V (V.24)	D		3	9 pol DSUB MALE
DTR Data Terminal Ready	O	D	"	D		4	
RTS Request to Send	O	D	"	D		7	
DSR Data Set Ready	I	D	"	D		6	
RI Ring Indicator	I	D	"	D		9	
CTS Clear to Send	I	D	"	D		8	
DCD Data Carrier Detect	I	D	"	D		1	
RxD Receive Data	I	D	"	D		2	
GND		V	Masse	D		5	

COM2				X23			serielle Schnittstelle
TxD Transmit Data	O	D	+12V (V.24)	D	4	3	
DTR Data Terminal Ready	O	D	"	D		4	
RTS Request to Send	O	D	"	D		7	
DSR Data Set Ready	I	D	"	D		6	
RI Ring Indicator	I	D	"	D		9	

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Digital Unit	Bl. 2	
		Digital Unit	von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

I = Eingang

B = Bidirektional

A = Analog

D = Digital

P = Power

P = Prüfwert

T = Trimmwert

D = Typprüfwert

E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
CTS	Clear to Send	I	D	"	D		8	
DCD	Data Carrier Detect	I	D	"	D		1	
RxD	Receive Data	I	D	"	D		2	
GND			V	Masse	D		5	

Keyboard								
KBCLK	Keyboard Clock	B	D	TTL	D		X13, X31 1	
KBDATA	Keyboard Data	B	D	TTL	D		X13, X31 2	
GND			V	Masse	D		X13, X31 4	
VCC			V	5V+5%, 500mA	D		X13, X31 5	

VGA Graphics Adapter				X52				
RED		O	A	+ - 1 Volt	D		Pin 1	15 pol DSUB 3 lines
GREEN		O	A	+ - 1 Volt	D		Pin 2	
BLUE		O	A	+ - 1 Volt	D		Pin 3	
MID0		I	D	TTL	D		Pin 11	not decoded
MID1		I	D	TTL	D		Pin 12	not decoded
MID2		I	D	TTL	D		Pin 4	not decoded
HSYNC		O	D	TTL	D		Pin 13	
VSYNC		O	D	TTL	D		Pin 14	
GND			V	Masse	D		Pins 6,7,8,10	

IEC Interface				X99				
DIO1		B	D	TTL	D		Pin 1	
DIO2		B	D	TTL	D		Pin 2	
DIO3		B	D	TTL	D		Pin 3	
DIO4		B	D	TTL	D		Pin 4	
DIO5		B	D	TTL	D		Pin 13	
DIO6		B	D	TTL	D		Pin 14	
DIO7		B	D	TTL	D		Pin 15	
DIO8		B	D	TTL	D		Pin 16	
EOI		B	D	TTL	D		Pin 5	
DAV		B	D	TTL	D		Pin 6	
NRFD		B	D	TTL	D		Pin 7	
NDAC		B	D	TTL	D		Pin 8	
IFC		B	D	TTL	D		Pin 9	
SRQ		B	D	TTL	D		Pin 10	
ATN		B	D	TTL	D		Pin 11	
SHIELD			V	GND	D		Pin 12	
REN		B	D	TTL	D		Pin 17	
GND			V		D		Pins 18,19,20,21, 22,23,24	

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: <i>01</i>
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Digital Unit	Bl. 3	
		Digital Unit	von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		



Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

I = Eingang

B = Bidirektional

A = Analog

D = Digital

P = Power

P = Prüfwert

T = Trimmwert

D = Typprüfwert

E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
<b>Switcher Control (O</b>						<b>X26</b>		<b>26 pol flat cable</b>
SW0		B	D	TTL	D	9	3	DSUB: 2
SW1		B	D	TTL	D	9	5	DSUB: 3
SW2		B	D	TTL	D	9	7	DSUB: 4
SW3		B	D	TTL	D	9	9	DSUB: 5
SW4		B	D	TTL	D	9	11	DSUB: 6
SW5		B	D	TTL	D	9	13	DSUB: 7
SW6		B	D	TTL	D	9	15	DSUB: 8
SW7		B	D	TTL	D	9	17	DSUB: 9
ER		B	D	TTL	D	9	19	DSUB: 10
EW		B	D	TTL	D	9	21	DSUB: 11
EA		B	D	TTL	D	9	23	DSUB: 12
EIRQ		B	D	TTL	D	9	25	DSUB: 13
ATT		B	D	TTL	D	9	24	DSUB: 25
AUX		B	D	TTL	D	9	22	DSUB: 24
ERST		B	D	TTL	D	9	20	DSUB: 23
PWR		B	D	TTL	D	9	18	DSUB: 22
GND[D]			P		D	9	2, 4, 6, 8, 10, 12, 14, 16	DSUB: 14-21

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Digital Unit	Bl. 4	
		Digital Unit	von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P	Bild Nr.	Anschlusspunkt	Bemerkung
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### Internal Connectors, Measurement

Generator Control					W1		26 pol flat cable	
<b>Data Link</b>								
GCLK	Clock	O	D	TTL 1 ... 3 MHz	D	2	10	nur zeitweise
IAIDO	Data out	O	D	TTL	D		11	
GDI	Data in	I	D	TTL	D		14	
GWR	Write	O	D	TTL	D		12	
WREN	Write Enable	O	D	TTL	D		9	
GINT	Gen Overload	I	D	TTL	D		15	
<b>DAC Link</b>								
GBCLK	Bitclock	I	D	TTL 3,072MHz	D		2	
GLR	LR-Signal	O	D	TTL 48kHz	D		4	
GDATA	Data	O	D	TTL	D		7	
<b>Signal to AES-Option</b>								
GEN_AES			A	Sinus 10Hz ... 110kHz	D		25	Signal Shield
GGND			P				24, 26	
	Temperatur	I	D	TTL	D		20	Temp.Sensor
SCL	Clock	O	D	TTL	D		17	EEPROM
SDA	Data in/out	B	D	TTL	D		18	
<b>Power, Misc</b>								
+5V[D]		I	P		D		6, 21	Gehäuse nicht benutzt
GND[D]			P				1, 3, 5, 8, 16	
n.c.							13, 19, 22, 23	

Analysator Control					W2			
<b>Data Link</b>								
ACLK	Clock	O	D	TTL 1 ... 3 MHz	D		16	nur zeitweise
IAIDO	Data out	O	D	TTL	D		17	
ADI	Data in	I	D	TTL	D		20	
ARD	Read	O	D	TTL	D		19	
AWR	Write	O	D	TTL	D		18	
WREN	Write Enable	O	D	TTL	D		15	
ATEST	Reserved	I	D	TTL	D		27	
<b>ADC Link</b>								
ASCLK	Bitclock	I	D	TTL 3,072MHz	D		4	
ALR	LR-Signal	I	D	TTL 48kHz	D		2	
ASDATA	Data	I	D	TTL	D		6	
UFSCCLK	Bitclock	I	D	TTL	D		10	
UFSTRT	LR-Signal	I	D	TTL 288kHz	D		8	
UFSDATA	Data	I	D	TTL	D		12	
SELCH	Select UFS	O	D	TTL	D		21	
<b>Signal from AES-Option</b>								
ANA1_AES			A	Sinus 10Hz ... 110kHz	D		33	Signal

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Digital Unit	Bl. 5	
		Digital Unit	von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Signal		R	A	Wertebereich	P	Bild Nr.	Anschlusspunkt	Bemerkung
Name	Beschreibung				T			
ANA2_AES			A	Sinus 10Hz ... 110kHz	D		31	Signal
AGND			P				32, 34	Shield
<b>Signal to B5-Option</b>								
AMCLK	Master Clock		D	TTL	D		29	
INPMON1	Monitor Signal		A	Input Signal Ch 1	D		23	
INPMON2	Monitor Signal		A	Input Signal Ch 2	D		25	
<b>Power, Misc</b>								
+5V[D]		O	P		D		14	
GND[D]			P				1, 3, 5, 7, 9, 11, 13, 22, 24, 26, 30, 28, 31	Gehäuse
n.c.								nicht benutzt

Speaker Control		X3						
Data Link								
B5CLK	Clock	O	D	TTL	1 ... 3 MHz	D	10	nur zeitweise
IAIDO	Data out	O	D	TTL		D	11	
B5DI	Data in	I	D	TTL		D	14	
B5RD	Read	O	D	TTL		D	13	
B5WR	Write	O	D	TTL		D	12	
WREN	Write Enable	O	D	TTL		D	15	
Signal Link								
ICLOCK	Bitclock	O	D	TTL	3,072MHz	D	2	
AMCLK	Analog Master	O	D	TTL	18 MHz	D	3	
B5LR	LR-Signal	O	D	TTL	48kHz	D	4	
B5DATA	Data	O	D	TTL		D	7	
Analog								
INPMON1	Monitor Signal		A	Input Signal Ch 1		D	23	
INPMON2	Monitor Signal		A	Input Signal Ch 2		D	25	
AGND			P				22, 24, 26	Shield
Power								
+5V[D]		O	P			D	9	
+12V		O	P			D	17	
+15V		O	P			D	18	
-15V		O	P			D	20	
GND[D]			P				1, 5, 8, 16, 19, 21	Gehäuse
n.c.							15	nicht benutzt

AES/EBU Control		48 pol. VG Conn.						
Data Link								
IAIDO		O	D	TTL		D	2	X5.B7
AESCLK		O	D	TTL		D	2	X5.C7
AESRD		O	D	TTL		D	2	X5.A8
AESWR		O	D	TTL		D	2	X5.A7
WREN		O	D	TTL		D	2	X5.C8
IAIDO		O	D	TTL		D	2	X5.B7
								Data Out
Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:			Ä.I.: 01		
Benennung: Digital Unit		Digital Unit					Bl. 6	
<b>ROHDE &amp; SCHWARZ</b>							von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB						

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
AESTEST		I	D	TTL	D	2	X4.C16	Test In
<b>Analog Link</b>								
ANA1_AES		I	A		D	2	X5.B11	Jitter Measurement
ANA2_AES		I	A		D	2	X5.B12	Onther Measurement
GND[A]						2	X5.A10,B10,C10,A11,C11,A12,B12,C12	Shield
GEN_AES		O	A		D	2	X5.B14	Jitter Source
GND[G]						2	X5.A14,C14,A15,B15,C15	Shield
<b>Power</b>								
+5V		O	P		D	2	X5.A1,B1,C1	
+15V		O	P		D	2	X5.A3,B3,C3	
-15V		O	P		D	2	X5.A5,B5,C5	
+12V		O	P		D	2	X5.A6,B6,C6	
GND						2	X5.A2,B2,C2,A4,B4,C4,A16,B16,C16	
<b>Audio Link</b>								
RX0LR		I	D	TTL, 48kHz	D	2	X4.A3	Frame
RX0CLK		I	D	TTL, 3MHz	D	2	X4.A2	Bitclock
RX0DATA		I	D	TTL	D	2	X4.A4	
RX1LR		I	D	TTL, 48kHz	D	2	X4.A12	Frame
RX1CLK		I	D	TTL, 3MHz	D	2	X4.A11	Bitclock
RX1DATA		I	D	TTL	D	2	X4.A13	
GLR		O	D	TTL, 48kHz	D	2	X4.A7	Frame
TXCLK		I	D	TTL, 3MHz	D	2	X4.A6	Bitclock
GDATA		O	D	TTL	D	2	X4.A8	Chan. 0
TX1DATA		O	D	TTL	D	2	X4.A10	Chan. 1
DSP Bus								
AESD0		B	D	TTL	D	2	X4.B1	
AESD1		B	D	TTL	D	2	X4.B2	
AESD2		B	D	TTL	D	2	X4.B3	
AESD3		B	D	TTL	D	2	X4.B4	
AESD4		B	D	TTL	D	2	X4.B5	
AESD5		B	D	TTL	D	2	X4.B6	
AESD6		B	D	TTL	D	2	X4.B7	
AESD7		B	D	TTL	D	2	X4.B8	
AESA0		O	D	TTL	D	2	X4.B9	
AESA1		O	D	TTL	D	2	X4.B10	
AESA2		O	D	TTL	D	2	X4.B11	
AESA3		O	D	TTL	D	2	X4.B12	
AESA4		O	D	TTL	D	2	X4.B13	
AESA5		O	D	TTL	D	2	X4.B14	
AESA6		O	D	TTL	D	2	X4.B15	
AESA7		O	D	TTL	D	2	X4.B16	
AESCS1		O	D	TTL	D	2	X4.C2	Adr.: A00000
AESCS2		O	D	TTL	D	2	X4.C1	
AESR/W		O	D	TTL	D	2	X4.C3	
AESSTRB		O	D	TTL	D	2	X4.C4	
BINT1		I	D	TTL	D	2	X4.A14	
BINT2		I	D	TTL	D	2	X4.A15	
BINT3		I	D	TTL	D	2	X4.A16	SERTMP
Power								
+5V		O	P		D	2	X4.C8,C9,C10,C11,C12	

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Digital Unit	Bl. 7	
		Digital Unit	von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
GND						2	X4.A1,A5,C5,C6, C7,A9	

### Internal Connectors, Front Unit

Internal Keyboard				X2			
<b>Matrix</b>							
ROW0	O	D	TTL	D		3	
ROW1	O	D	TTL	D		4	
ROW2	O	D	TTL	D		5	
ROW3	O	D	TTL	D		6	
ROW4	O	D	TTL	D		7	
ROW5	O	D	TTL	D		8	
ROW6	O	D	TTL	D		9	
ROW7	O	D	TTL	D		10	
COL0	I	D	TTL	D		11	
COL1	I	D	TTL	D		12	
COL2	I	D	TTL	D		13	
COL3	I	D	TTL	D		14	
COL4	I	D	TTL	D		15	
COL5	I	D	TTL	D		16	
COL6	I	D	TTL	D		17	
COL7	I	D	TTL	D		18	
<b>LED</b>							
PIO0	O	D	TTL, R <sub>i</sub> = 1.5 kΩ	D		19	
PIO1	O	D	TTL, R <sub>i</sub> = 1.5 kΩ	D		20	
PIO2	O	D	TTL, R <sub>i</sub> = 1.5 kΩ	D		21	
PIO3	O	D	TTL, R <sub>i</sub> = 1.5 kΩ	D		22	
PIO4	O	D	TTL, R <sub>i</sub> = 1.5 kΩ	D		23	
PIO5	O	D	TTL, R <sub>i</sub> = 1.5 kΩ	D		24	
<b>Power, Misc</b>							
KEYVERS	I	D	TTL	D		25	Coding
+5V[D]	O	P		D		1	
GND[D]		P				2	Gehäuse
n.c.						26 - 34	nicht benutzt

LCD Tube (direct)				X17			
AC1	O	P	500V, 6mA	D		7	
AC2	O	P	500V, 6mA	D		4	
GND[D]		P				1, 2	Gehäuse
n.c.						3, 5, 6	nicht benutzt

LCD Tube (indirect)				X33			
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Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
Benennung: Digital Unit			Bl. 8	
Benennung: Digital Unit			von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
VIN		O	P	12V, 500mA, filtered	D		2	
CNT		O	D		D		3	Control, Pulldown 1kΩ
GND[D]			P				1, 5	Gehäuse
VR		O	A	10kΩ Poti to GND			4	Brightness max = 10kΩ

LCD Connector (B/W)				X30			16 pol Flat Cable Conn.	
LFS		O	D	TTL	D	5	1	Frame Sync
CP1		O	D	TTL	D	5	2	Line Clock
CP2		O	D	TTL	D	5	3	Dot Clock
ENABLE		O	D	TTL	D	5	3	1=Display on
UD0 Upper Data		O	D	TTL	D	5	8	clocked with CP2
UD1 Upper Data		O	D	TTL	D	5	9	clocked with CP2
UD2 Upper Data		O	D	TTL	D	5	10	clocked with CP2
UD3 Upper Data		O	D	TTL	D	5	11	clocked with CP2
LD0 Upper Data		O	D	TTL	D	5	12	clocked with CP2
LD1 Upper Data		O	D	TTL	D	5	13	clocked with CP2
LD2 Upper Data		O	D	TTL	D	5	14	clocked with CP2
LD3 Upper Data		O	D	TTL	D	5	15	clocked with CP2
VDD Supply		O	P	5V	D	5	5	switched with FPVCC
VEE Contrast		O	P	-12V ... -27V	D	5	7	switched with FPVEE
VSS = GND[D]					D	5	6, 16	

LCD Connector (Color)				X31			20 pol. flat cable Conn.	
BLANK = DE		O	D	TTL	D	5	6	Display Enable
CT2		O	D	TTL	D	5	9	Dot Clock
B0		O	D	TTL	D	5	2	Blue
B1		O	D	TTL	D	5	3	Blue
B2		O	D	TTL	D	5	4	Blue
R0		O	D	TTL	D	5	11	Red
R1		O	D	TTL	D	5	12	Red
R2		O	D	TTL	D	5	13	Red
G0		O	D	TTL	D	5	15	Green
G1		O	D	TTL	D	5	16	Green
G2		O	D	TTL	D	5	17	Green
VDD Supply		O	P	5V	D	5	7,8	switched with FPVCC
VSS = GND[D] n.c.					D	5	1, 5, 10, 14, 18 19,20	

Knob				X19				
RMK1		I	D	TTL	D	4		
RMK2		I	D	TTL	D	5		
+5V[D]		O	P		D	1		
GND[D]			P			3		Gehäuse
n.c.						2		nicht benutzt

HE-GES Type				X8		
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Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
Benennung: Digital Unit		Digital Unit		Bl. 9
<b>ROHDE &amp; SCHWARZ</b>				von 14
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
RMK1		I	D	TTL	D		4	
RMK2		I	D	TTL	D		9	
KNOBAX		I	D	TTL	D		10	
+5V[D]		O	P		D		5, 7	
GND[D]			P				6	Gehäuse nicht benutzt
n.c.							1, 3, 8	

### Internal Connector, PC-Core

Fan				X10				
SENSE		O	A	PTC 100kΩ	D		5	
+12V		O	P		D		2	
GND[D]			P				3	Gehäuse nicht benutzt
n.c.							1, 4	

Power				X1				
+5V[D]		O	P		D		2, 4	
+12V		O	P		D		10	
+15V		O	P		D		6	
-15V		O	P		D		8	
GND[D]			P				1, 3, 5, 7, 9	Gehäuse

AT Motherboard								
<b>Misc. Signals</b>								
<b>Power Good</b>				<b>X11</b>				
PWRGOOD		O	D		D		1	only for motherboards which don't boot alone
GND[D]			P				1, 2	Gehäuse
<b>Speaker</b>				<b>X15</b>				
SPK+		I	A		D		1, 2	
SPK-		I	A		D		3, 4	

AT-Slot				X6, X16				
SA0		B	D	TTL	D		A31	
SA1		B	D	TTL	D		A30	
SA2		B	D	TTL	D		A29	
SA3		B	D	TTL	D		A28	
SA4		B	D	TTL	D		A27	
SA5		B	D	TTL	D		A26	

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>	Benennung: Digital Unit			Bl. 10
	Digital Unit			von 14
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

I = Eingang

B = Bidirektional

A = Analog

D = Digital

P = Power

P = Prüfwert

T = Trimmwert

D = Typprüfwert E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
SA6		B	D	TTL	D		A25	
SA7		B	D	TTL	D		A24	
SA8		B	D	TTL	D		A23	
SA9		B	D	TTL	D		A22	
SA10		B	D	TTL	D		A21	
SA11		B	D	TTL	D		A20	
SA12		B	D	TTL	D		A19	
SA13		B	D	TTL	D		A18	
SA14		B	D	TTL	D		A17	
SA15		B	D	TTL	D		A16	
SA16		B	D	TTL	D		A15	
SA17		B	D	TTL	D		A14	
SA18		B	D	TTL	D		A13	
SA19		B	D	TTL	D		A12	
LA17		B	D	TTL	D		C08	
LA18		B	D	TTL	D		C07	
LA19		B	D	TTL	D		C06	
LA20		B	D	TTL	D		C05	
LA21		B	D	TTL	D		C04	
LA22		B	D	TTL	D		C03	
LA23		B	D	TTL	D		C02	
SD0		B	D	TTL	D		A09	
SD1		B	D	TTL	D		A08	
SD2		B	D	TTL	D		A07	
SD3		B	D	TTL	D		A06	
SD4		B	D	TTL	D		A05	
SD5		B	D	TTL	D		A04	
SD6		B	D	TTL	D		A03	
SD7		B	D	TTL	D		A02	
SD8		B	D	TTL	D		C11	
SD9		B	D	TTL	D		C12	
SD10		B	D	TTL	D		C13	
SD11		B	D	TTL	D		C14	
SD12		B	D	TTL	D		C15	
SD13		B	D	TTL	D		C16	
SD14		B	D	TTL	D		C17	
SD15		B	D	TTL	D		C18	
I/OCHCK		B	D	TTL	D		A01	
AEN		B	D	TTL	D		A11	
I/OCHRDY		B	D	TTL	D		A10	
RESETDRV		B	D	TTL	D		B02	
OWS		B	D	TTL	D		B08	
SMEMW		B	D	TTL	D		B11	
SMEMR		B	D	TTL	D		B12	
IOW		B	D	TTL	D		B13	

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Digital Unit	Bl. 11	
		Digital Unit	von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		



Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

A = Analog

P = Prüfwert

I = Eingang

D = Digital

T = Trimmwert

B = Bidirektional

P = Power

D = Typprüfwert

E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
IOR		B	D	TTL	D		B14	
BALE		B	D	TTL	D		B28	
OSC		B	D	TTL	D		B30	
SBHE		B	D	TTL	D		C01	
MEMR		B	D	TTL	D		C09	
MEMW		B	D	TTL	D		C10	
MEMCS16		B	D	TTL	D		D01	
IOCS16		B	D	TTL	D		D02	
MASTER		B	D	TTL	D		D17	
REFRESH		B	D	TTL	D		B19	
CLK		B	D	TTL	D		B20	
<b>DMA</b>								
DACK0		B	D	TTL	D		D08	
DRQ0		B	D	TTL	D		D09	
DACK1		B	D	TTL	D		B17	
DRQ1		B	D	TTL	D		B18	
DACK2		B	D	TTL	D		B26	
DRQ2		B	D	TTL	D		B06	
DACK3		B	D	TTL	D		B15	
DRQ3		B	D	TTL	D		B16	
DACK5		B	D	TTL	D		D10	
DRQ5		B	D	TTL	D		D11	
DACK6		B	D	TTL	D		D12	
DRQ6		B	D	TTL	D		D13	
DACK7		B	D	TTL	D		D14	
DRQ7		B	D	TTL	D		D15	
TC		B	D	TTL	D		B27	
<b>Interrupt</b>								
IRQ3		B	D	TTL	D		B25	
IRQ4		B	D	TTL	D		B24	
IRQ5		B	D	TTL	D		B23	
IRQ6		B	D	TTL	D		B22	
IRQ7		B	D	TTL	D		B21	
IRQ9		B	D	TTL	D		B04	
IRQ10		B	D	TTL	D		D03	
IRQ11		B	D	TTL	D		D04	
IRQ12		B	D	TTL	D		D05	
IRQ14		B	D	TTL	D		D07	
IRQ15		B	D	TTL	D		D06	
<b>Power</b>								
+5V		B	P		D		B03, B29, D16	
-5V		B	P		D		B05	not used
-12V		B	P		D		B07	
+12V		B	P		D		B09	
GND		B	P		D		B01, B10, B31, D18	

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Digital Unit	Bl. 12	
		Digital Unit	von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung):

O = Ausgang

I = Eingang

B = Bidirektional

Eintragung in der Spalte A (Art):

A = Analog

D = Digital

P = Power

Eintragung in der Spalte P/T (Prüfanweisung):

P = Prüfwert

T = Trimmwert

D = Typprüfwert

E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
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HDD Interface				X24			44 pol flat cable, 2mm pin grid
IDE_D0	B	D	TTL	D	6	17	Data
IDE_D1	B	D	TTL	D	6	15	Data
IDE_D2	B	D	TTL	D	6	13	Data
IDE_D3	B	D	TTL	D	6	11	Data
IDE_D4	B	D	TTL	D	6	9	Data
IDE_D5	B	D	TTL	D	6	7	Data
IDE_D6	B	D	TTL	D	6	5	Data
IDE_D7	B	D	TTL	D	6	3	Data
IDE_D8	B	D	TTL	D	6	4	Data
IDE_D9	B	D	TTL	D	6	6	Data
IDE_D10	B	D	TTL	D	6	8	Data
IDE_D11	B	D	TTL	D	6	10	Data
IDE_D12	B	D	TTL	D	6	12	Data
IDE_D13	B	D	TTL	D	6	14	Data
IDE_D14	B	D	TTL	D	6	16	Data
IDE_D15	B	D	TTL	D	6	18	Data
IDE_SA0	O	D	TTL	D	6	35	Address
IDE_SA1	O	D	TTL	D	6	33	Address
IDE_SA2	O	D	TTL	D	6	36	Address
IDE_CS0	O	D	TTL	D	6	37	Select
IDE_CS1	O	D	TTL	D	6	38	Select
IDE_IOW	O	D	TTL	D	6	23	
IDE_IOR	O	D	TTL	D	6	25	
IOCHRDY	I	D	TTL	D	6	27	
IDE_BALE	O	D	TTL	D	6	28	
IOCS16	I	D	TTL	D	6	32	
IRQ14	I	D	TTL	D	6	31	Drive Interrupt
+5V	O	P		D	6	41, 42	
GND				D	6	2, 19, 22, 24, 26, 30, 40, 43	

FDD Power				X22		
+5V	O	P		D	6	4
+12V	O	P		D	6	1
GND				D	6	2, 3

FDD Interface				X21			34 pol flat cable
INDEX	I	D	TTL, Pullup 150	D	4	8	
TRACK0	I	D	TTL	D	4	26	
DSKCHANGE	I	D	TTL	D	4	34	
WRITE PROTECT	I	D	TTL	D	4	28	
WRITE GATE	O	D	TTL	D	4	24	
DEN SEL	I	D	TTL	D	4	2	
DIR	O	D	TTL	D	4	18	
STEP	O	D	TTL	D	4	20	
HEAD SEL	O	D	TTL	D	4	32	
DRIVE SEL 0	O	D	TTL	D	4	12	see note
DRIVE SEL 1	O	D	TTL	D	4	14	see note
MOTOR 0	O	D	TTL	D	4	16	see note
MOTOR 1	O	D	TTL	D	4	10	see note
WRD	O	D	TTL	D	4	22	

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Digital Unit	Bl. 13	
		Digital Unit	von 14	
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

I = Eingang

B = Bidirektional

A = Analog

D = Digital

P = Power

P = Prüfwert

T = Trimmwert

D = Typprüfwert

E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
RDD		O	D	TTL	D	4	30	
GND						4	1,3,5,7,9,11,13,15 ,17,19,21,23,25,27,29,31,33	

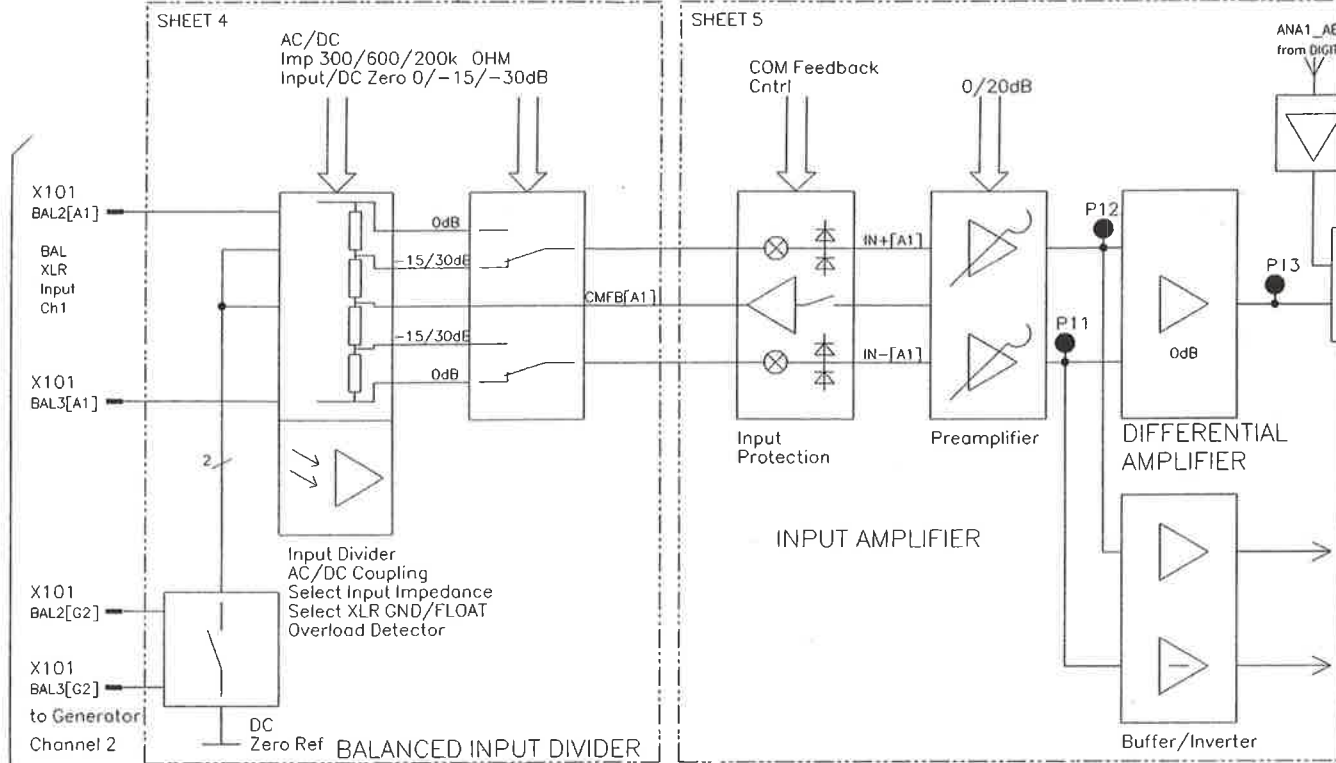
Note: The drive select and motor control pins are swapped respective to a standard FDD interface. No cable rotation is necessary to select drive A:

Abt.: 1GPK	Name: Schwaiger	Datum: 13.04.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>	Benennung: Digital Unit			Bl. 14
	Digital Unit			von 14
Typ: UPL	reg.i.Verz.: V	Sachnummer: 1078.2708.01 SB		

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

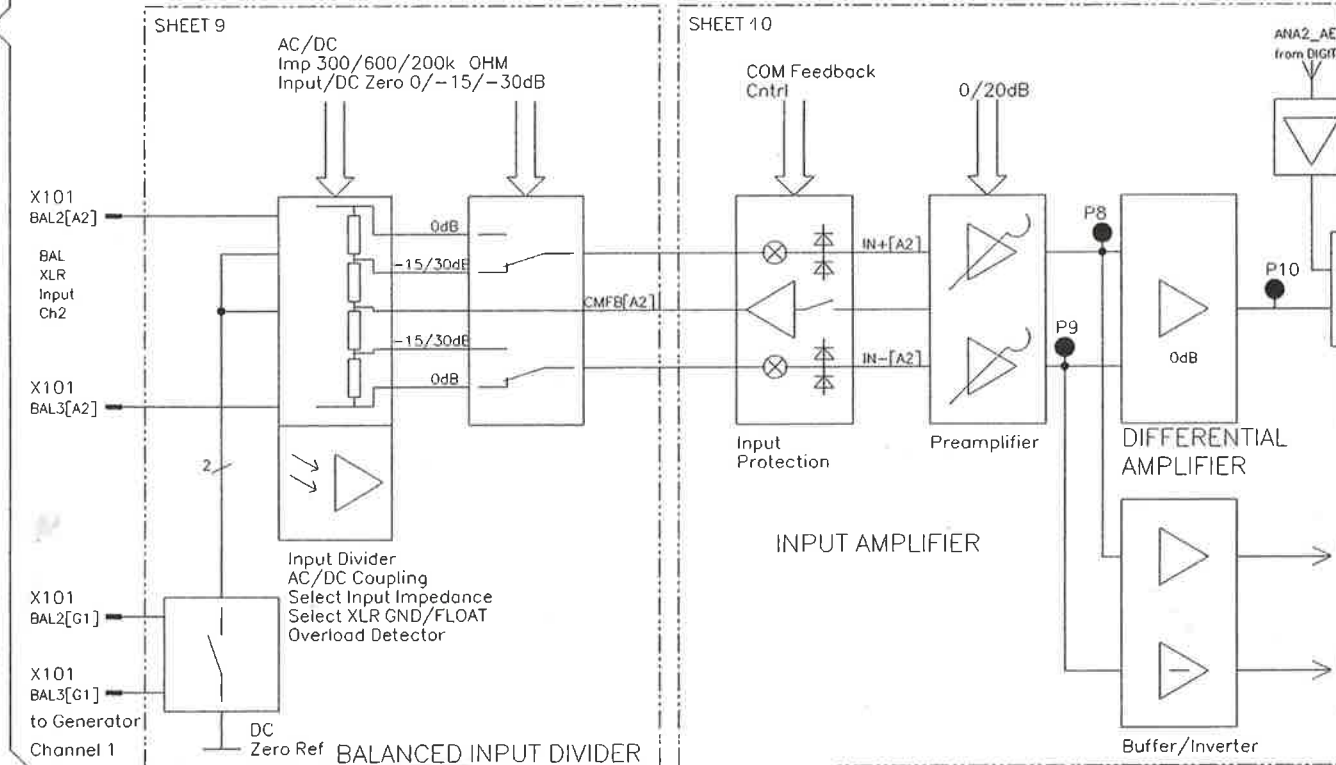
to A90 XLR Adapter 1078.2720.02

### Channel 1



*Generator 2 has own input 2*

### Channel 2



*Generator 1 has own input 2*

A  
B  
C  
D  
E  
F

1 2 3 4

A

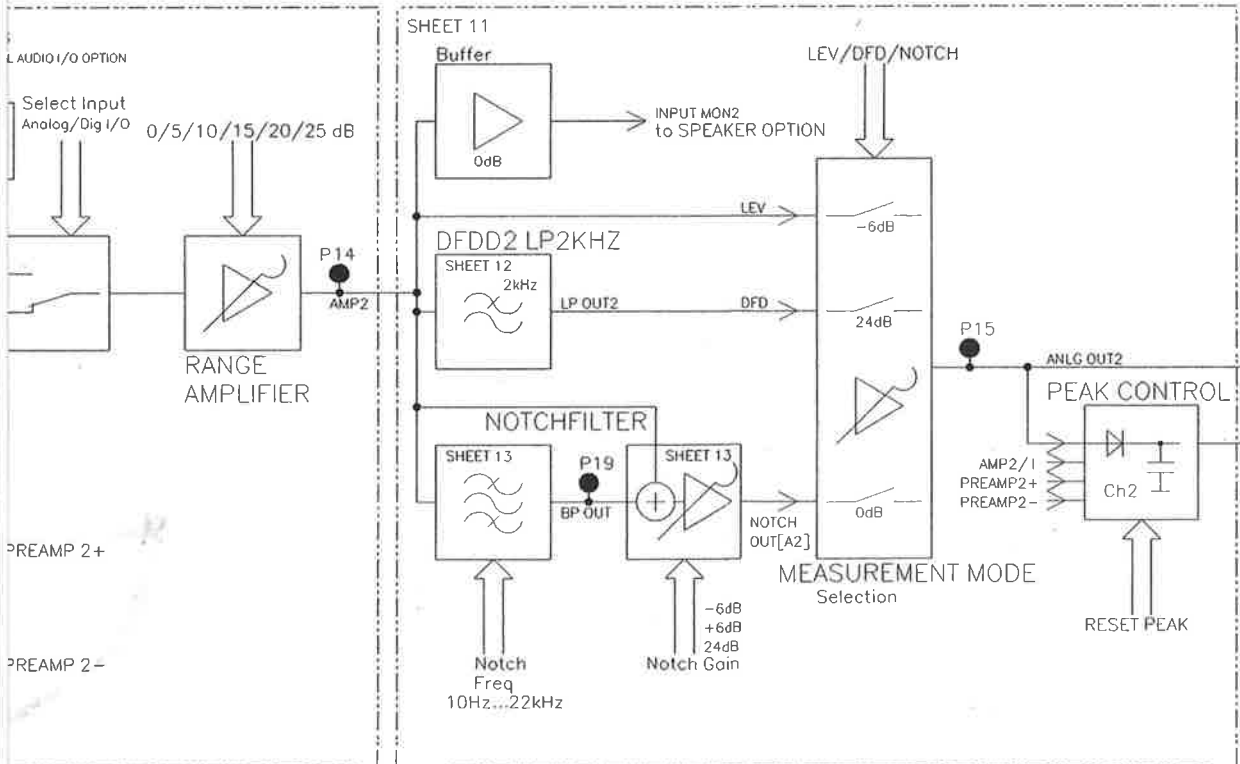
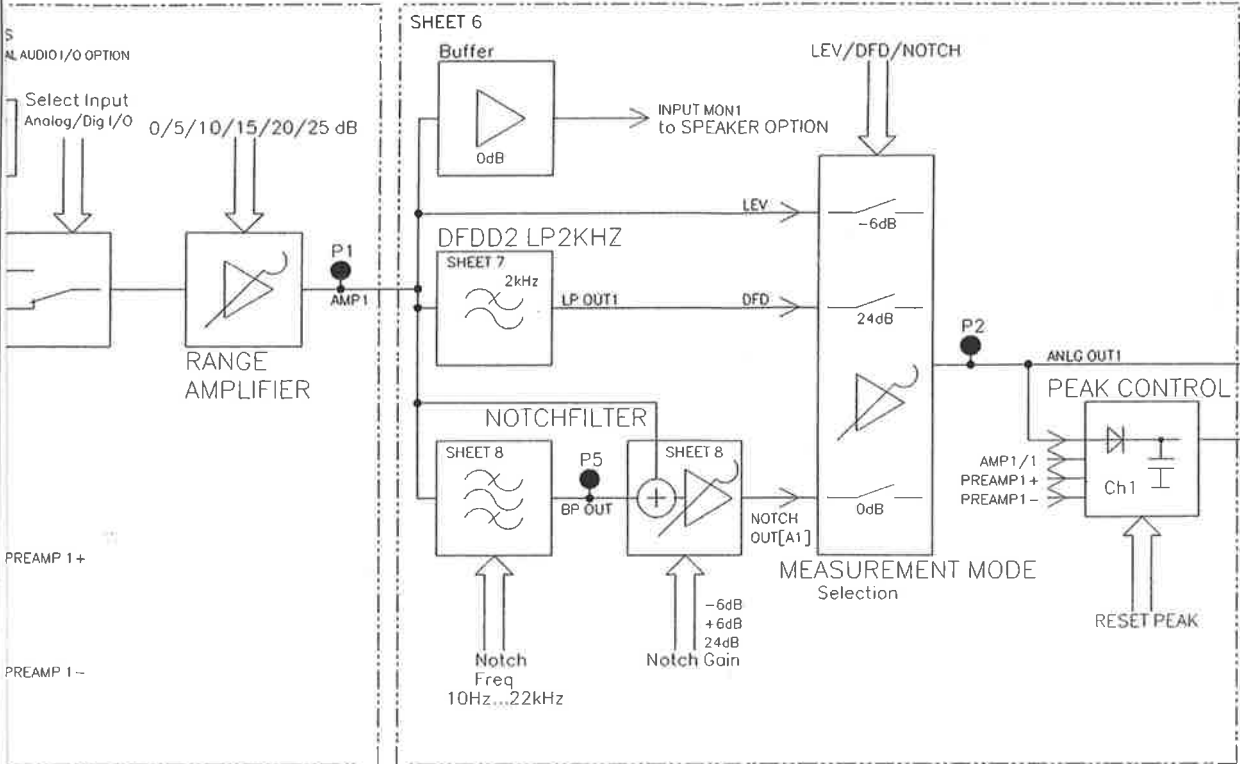
B

C

D

E

F

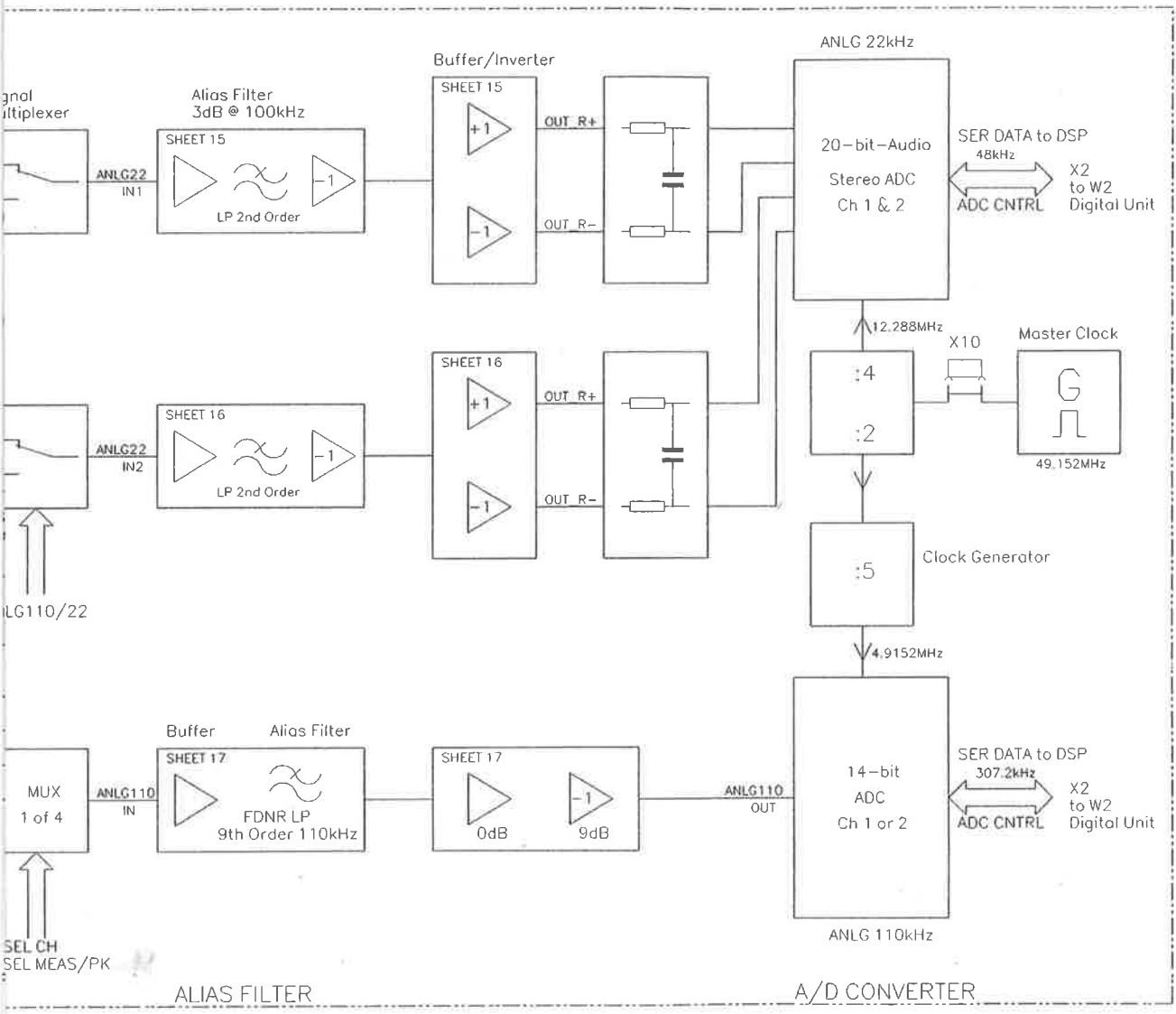


FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR

Bindende Angaben ueber Varianten, Trimmwerte, Bauteile und nicht bestueckte Bauteile siehe SA.  
 FOR BINDING INFORMATION ON MODELS, TRIMMING AND COMPONENTS VALUES AND NONFITTED COMPONENTS SEE PARTS LIST

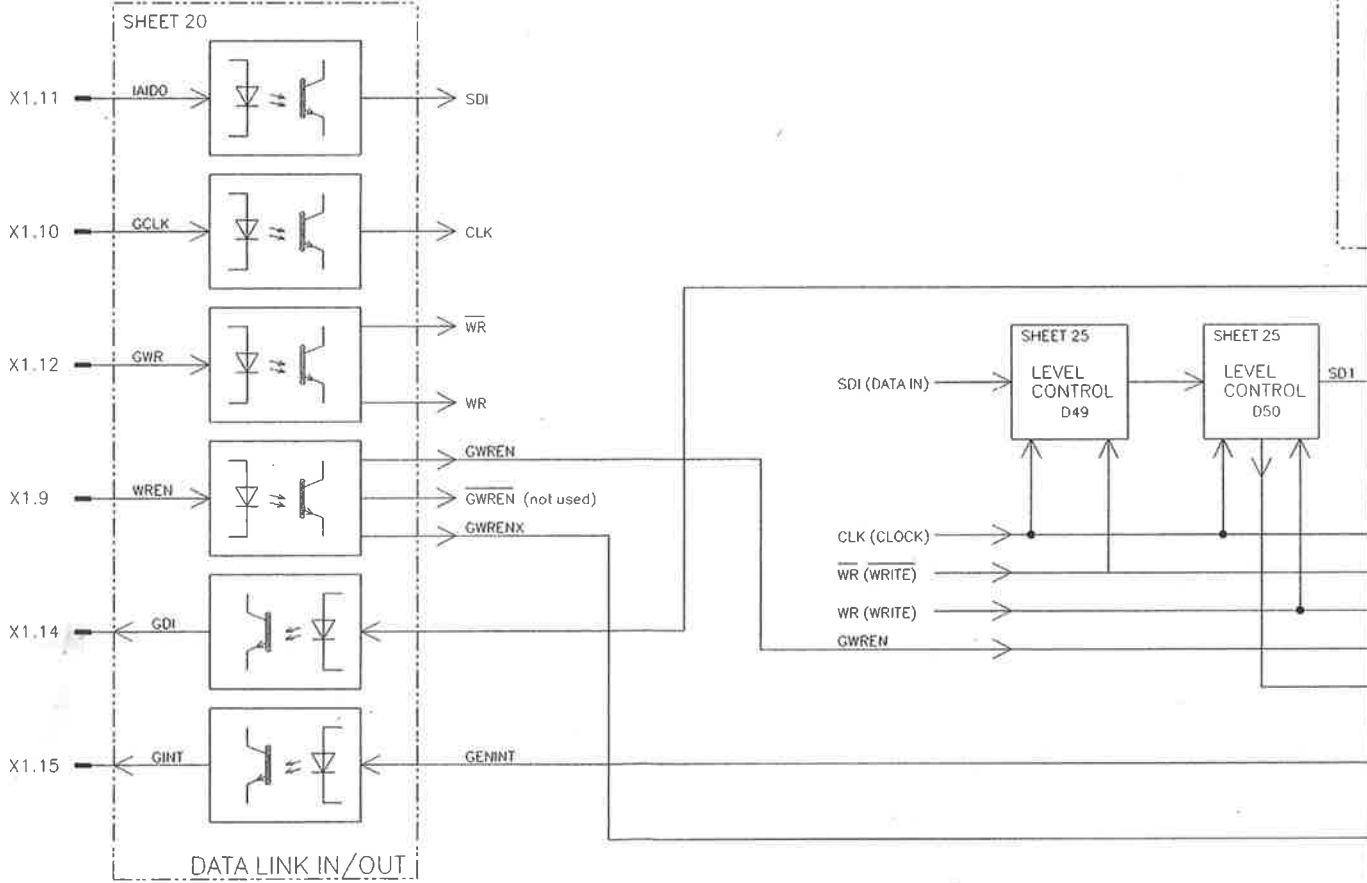
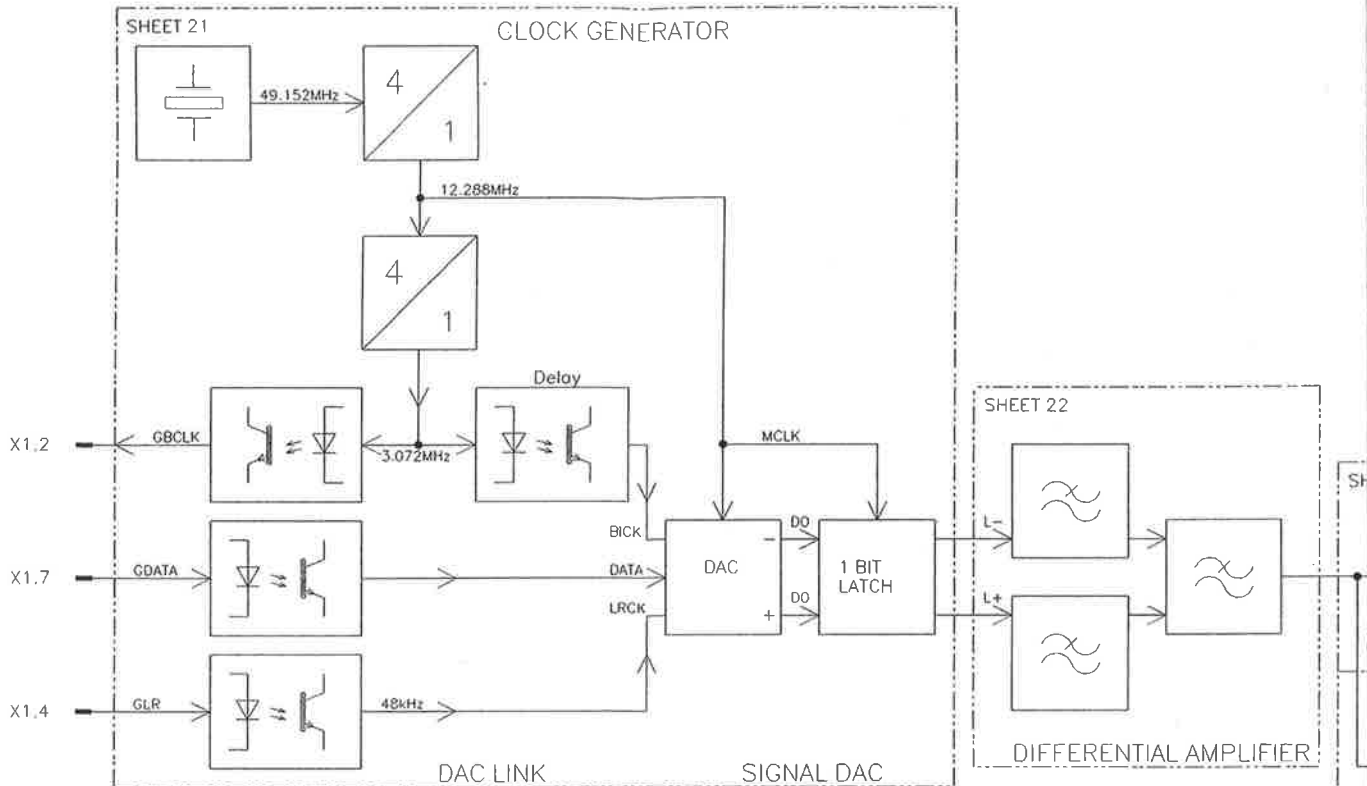
**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFAEHRDETE BAUELEMENTE ERFORDERN EINE BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES REQUIRE A SPECIAL HANDLING

FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR



/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT / ANALYZER	
			GEPR.		SR	ANALOG_UNIT	
			NORM			TOP/TOP.2	
			PLOTT	21.10.96	SCHWAIGE	ZEICHN. -NR.	
			ROHDE&SCHWARZ			1078.2908.01 S	BLATT-NR. 2 +
IND. ID.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET	UPL	REG.I.V.	ERSTE Z.
						1078.2008	1078.2008

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



A

B

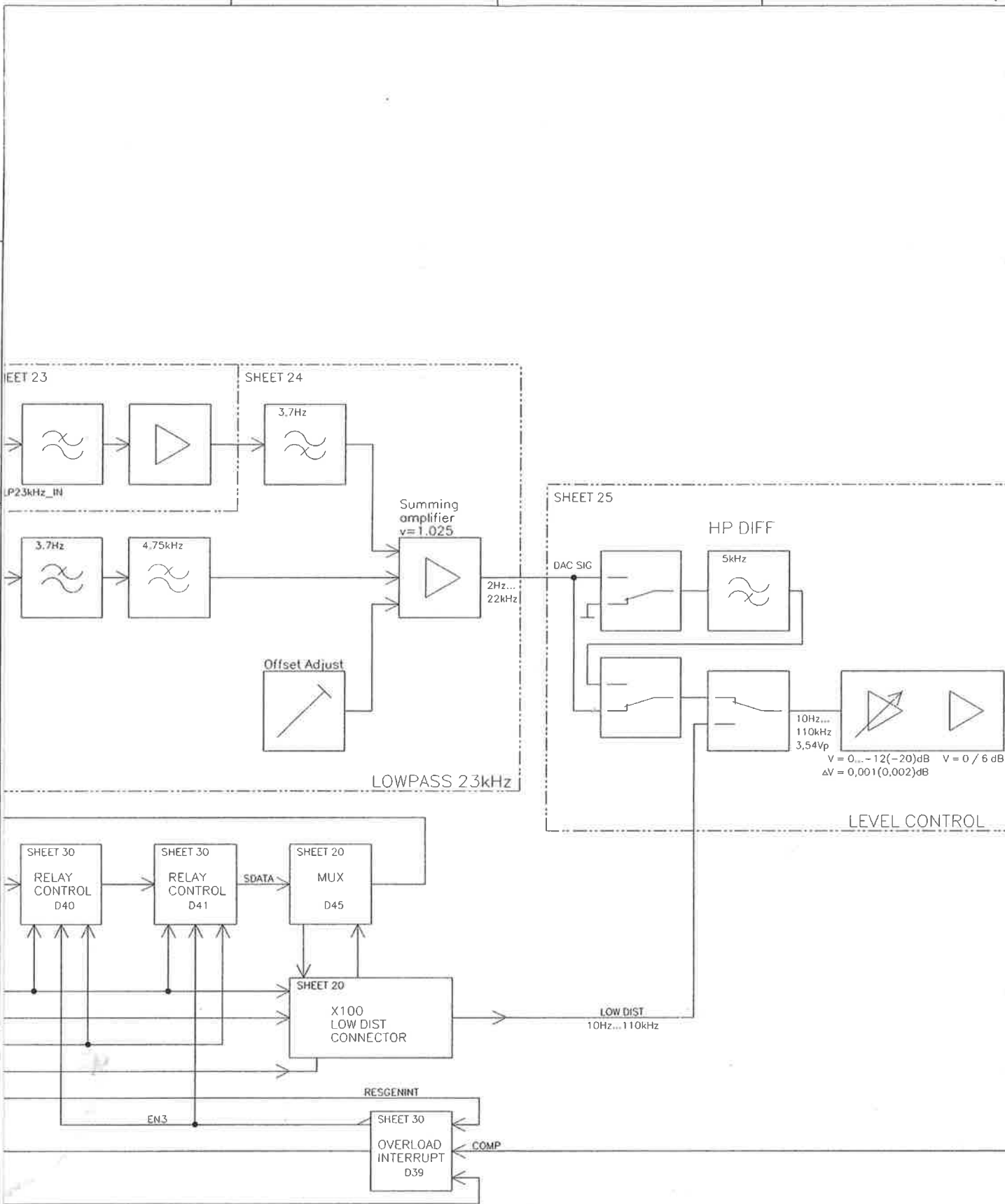
C

D

E

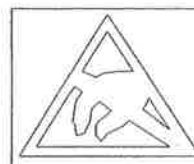
F

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



Bindende Angaben ueber Varianten,  
Trimmwerte, Bauteile und  
nicht bestueckte Bauteile siehe SA.

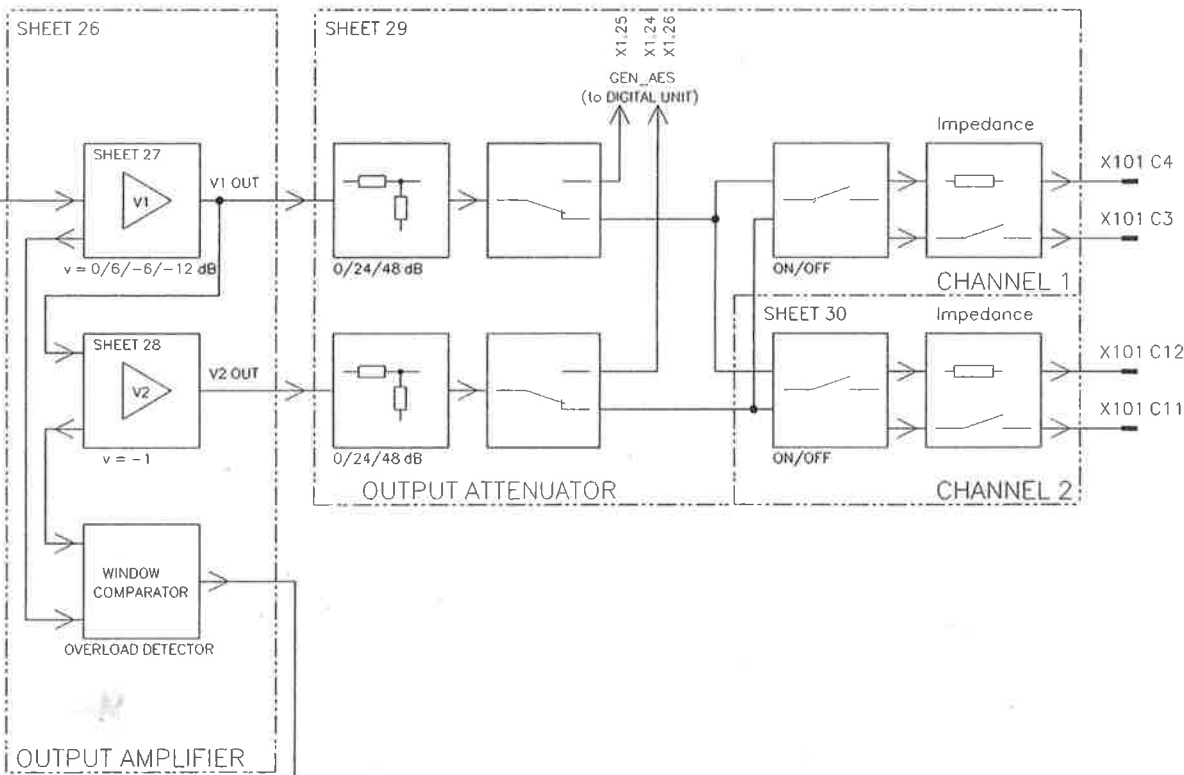
FOR BINDING INFORMATION ON MODELS,  
TRIMMING AND COMPONENTS VALUES AND  
NONFITTED COMPONENTS SEE PARTS LIST



ACHTUNG: EGB !  
ELEKTROSTATISCH GEFAEHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
ATTENTION ESD !  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

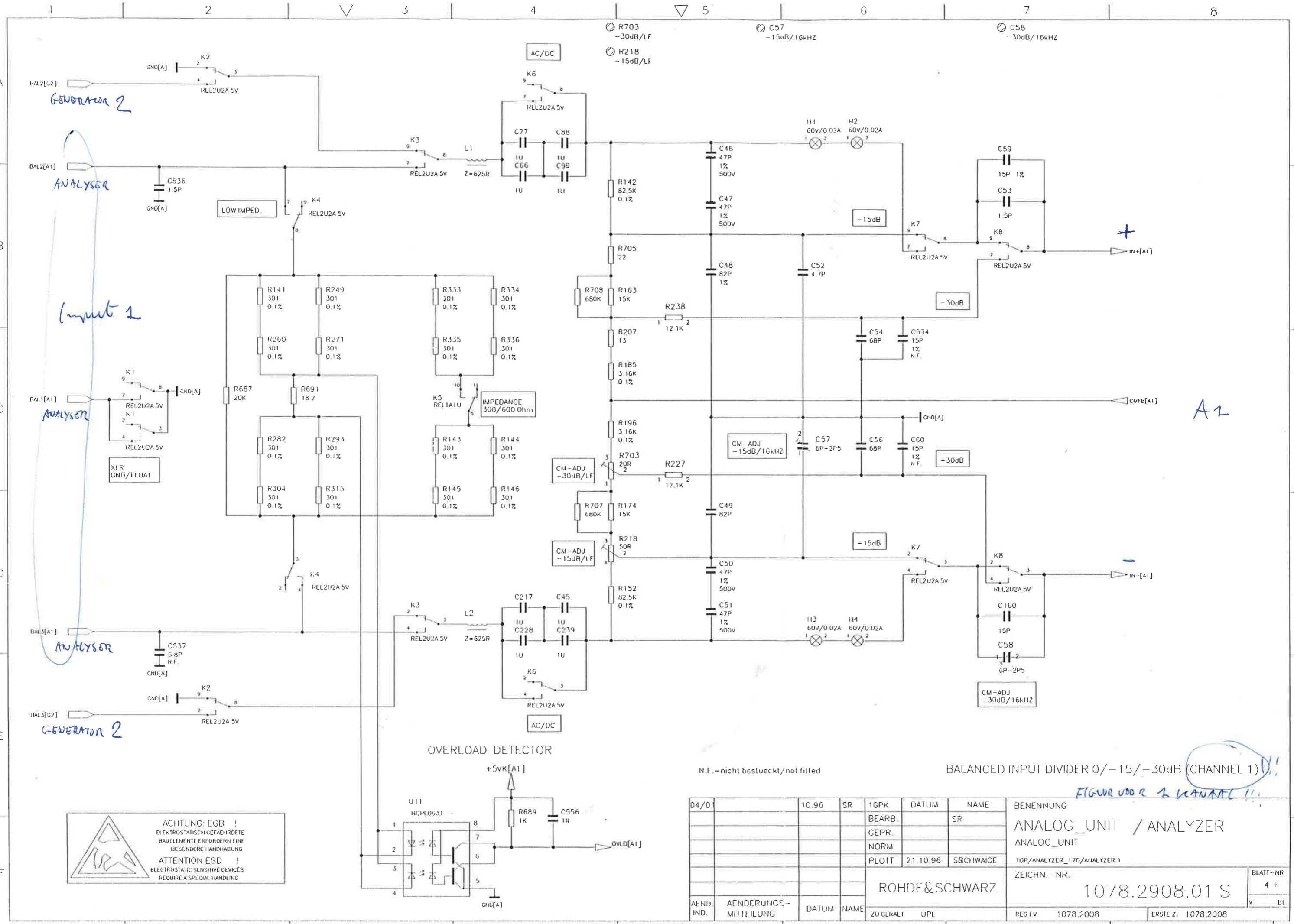



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

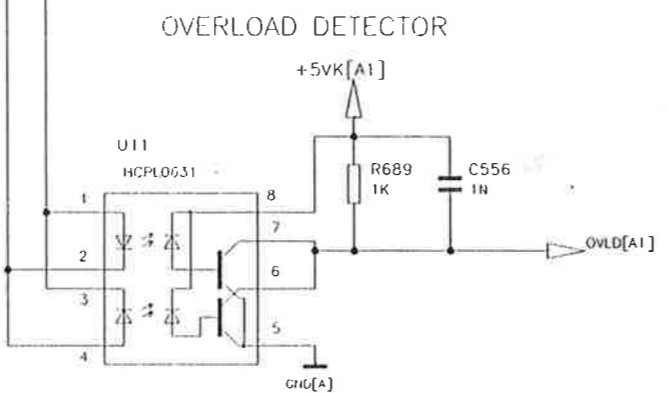


04/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT / GENERATOR ANALOG_UNIT TOP/TOP.3	
			GEPR.		SR		
			NORM				
			PLOTT	21.10.96	SCHWAIGE		
ROHDE&SCHWARZ						ZEICHN.-NR.	BLATT-NR.
						1078.2908.01 S	3 +
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET	UPL	REG.I.V.	BL.
						1078.2008	1078.2008

BEHALTEN WIR UNS ALLE RECHTE VOR




**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING



D4/0	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / ANALYSER
			GEPR.			ANALOG_UNIT
			NORM	21.10.96	SBCHWAIGE	10P/ANALYSER_170/ANALYSER.1
			PLOTT			ZEICHN.-NR.
						1078.2908.01 S
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄET	UPL	REG I V 1078.2008
						ERSIE Z. 1078.2008
						BLATT-NR. 4 +
						BL

1

2

3

4



A

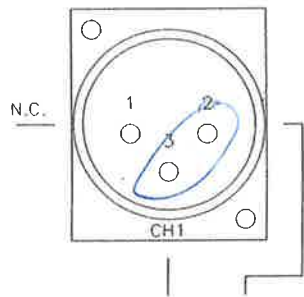
B

C

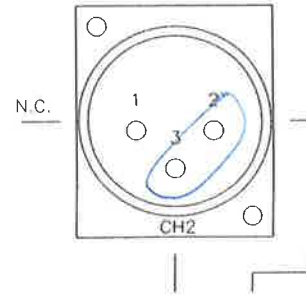
D

E

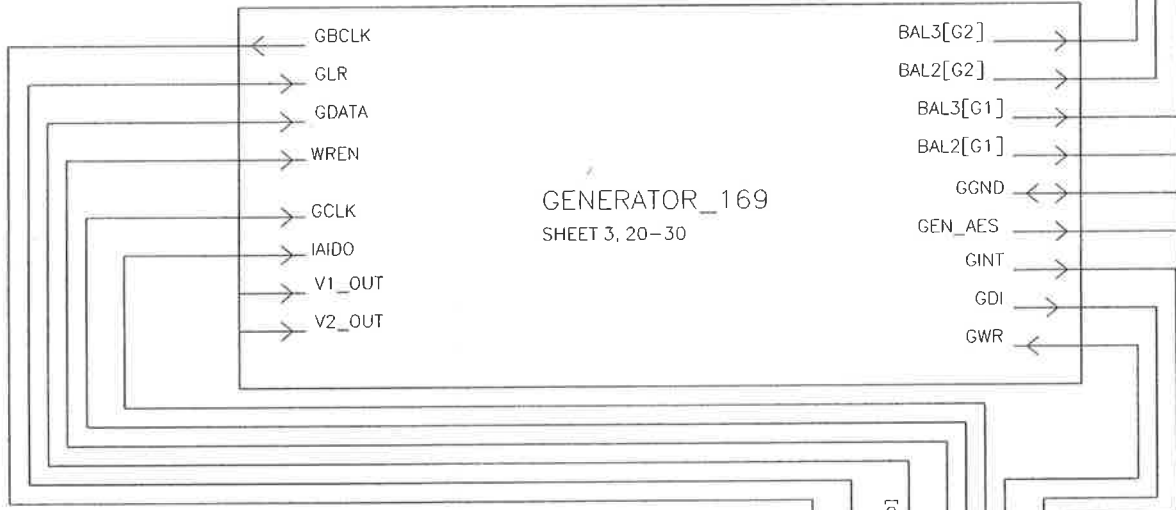
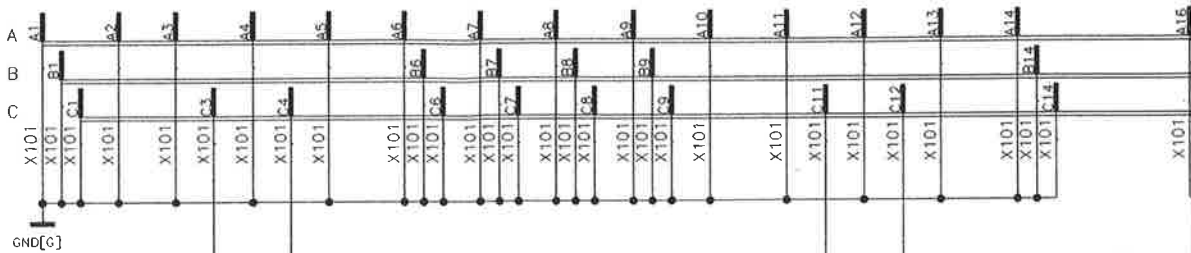
F



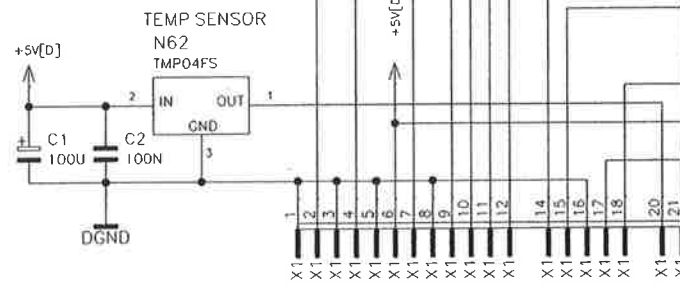
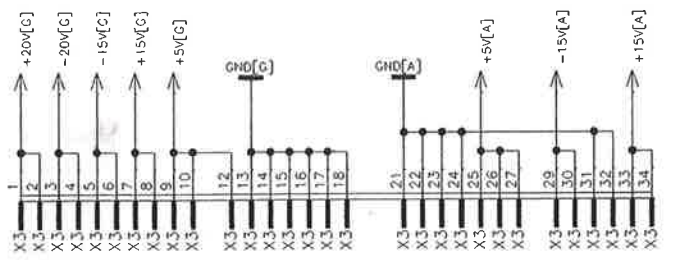
GENERATOR



to A90 XLR ADAPTER

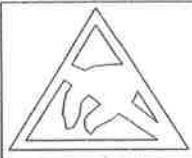


GENERATOR\_169  
SHEET 3, 20-30



to W3 from A1 POWER SUPPLY BOARD (1078.2608.02)

to W1 from A9 DIGITAL BOARD (1078.273)

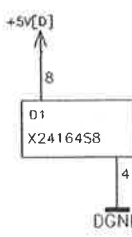


**ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG

**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

Bindende Angaben ueber Varianten,  
Trimmwerte, Bauteile und  
nicht bestueckte Bauteile siehe SA.

FOR BINDING INFORMATION ON MODELS,  
TRIMMING AND COMPONENTS VALUES AND  
NONFITTED COMPONENTS SEE PARTS LIST



1

2

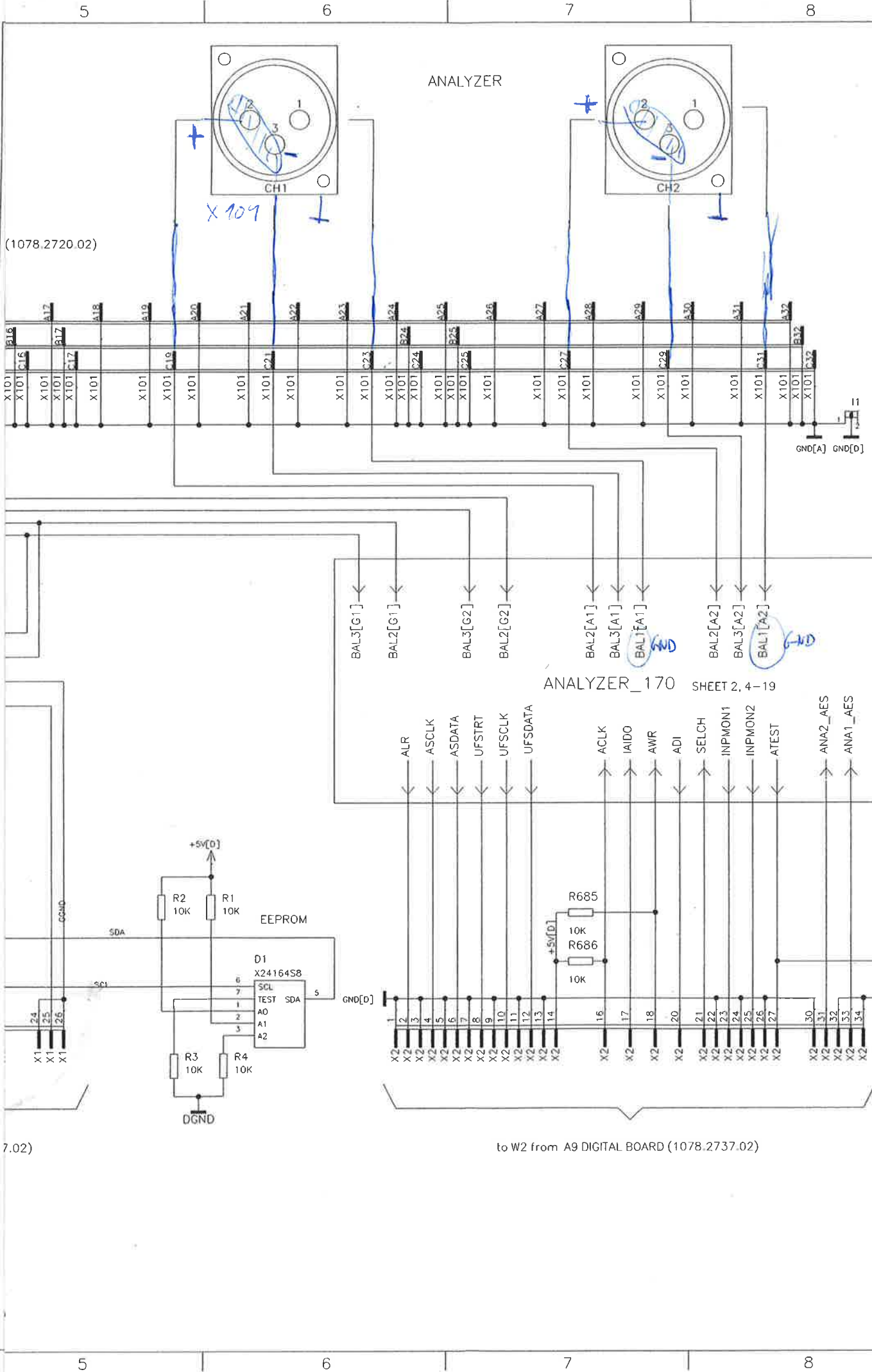
3

4



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



04

AE

IN

9

10

11

12

A

A

B

B

C

C

D

D

E

E

F

F

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

→ +5V[A]

/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT	
			GEPR.			ANALOG_UNIT	
			NORM			TOP/TOP.1	
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.	
			ROHDE&SCHWARZ			1078.2908.01 S	
ND. D.	AENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERAET	UPL	REG.I.V.	1078.2008
						ERSTE Z.	1078.2008
						BLATT-NR.	1 +
						V.	BL

9

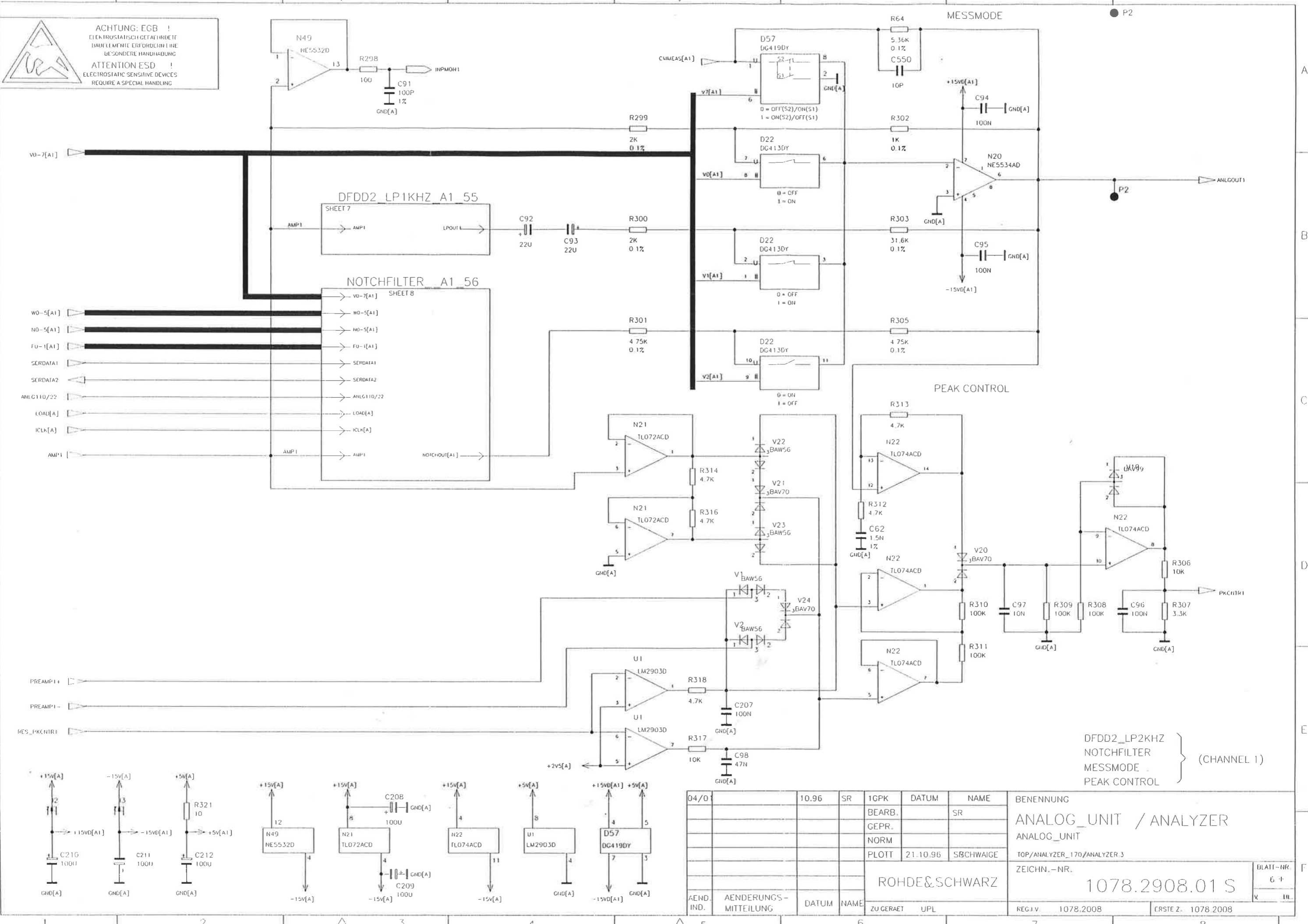
10

11

12



ACHTUNG: EGB !  
 ELEKTROSTATISCH GEFÄHRDICT  
 DAN ELEMENTE ERFOHREND IN DIE  
 BESONDERE HANDLUNG  
 ATTENTION ESD !  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

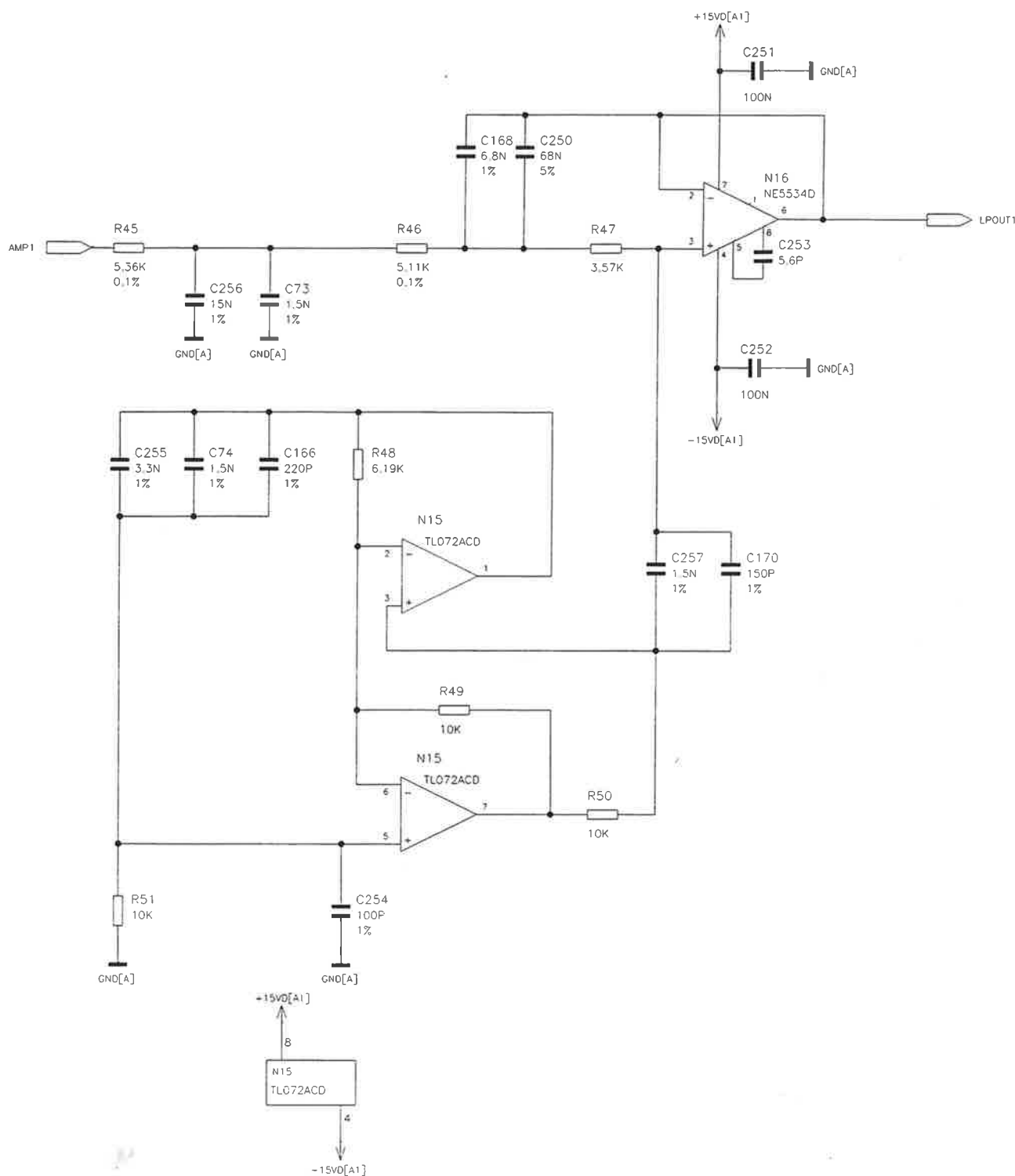



DFDD2\_LP2KHZ  
 NOTCHFILTER  
 MESSMODE  
 PEAK CONTROL  
 (CHANNEL 1)

04/0	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / ANALYZER
			GEPR.			ANALOG_UNIT
			NORM			TOP/ANALYZER_170/ANALYZER_3
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
						1078.2908.01 S
						BLATT-NR.
						6
ROHDE&SCHWARZ						
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET	UPL	REG. V.
						1078.2008
						ERSTE Z.
						1078.2008

BEHALTEN WIR UNS ALLE RECHTE VOR

BEHALTEN WIR UNS ALLE RECHTE VOR




**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

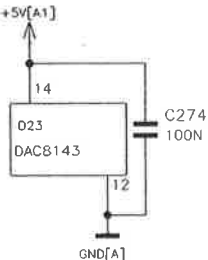
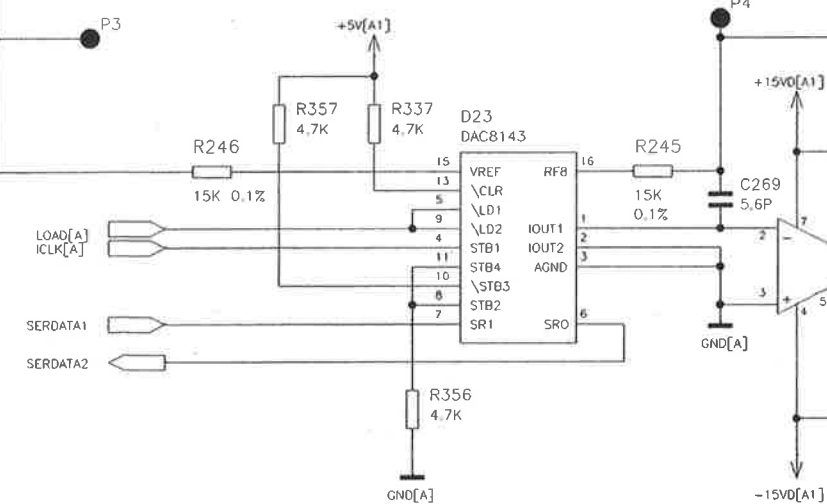
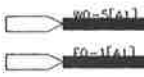
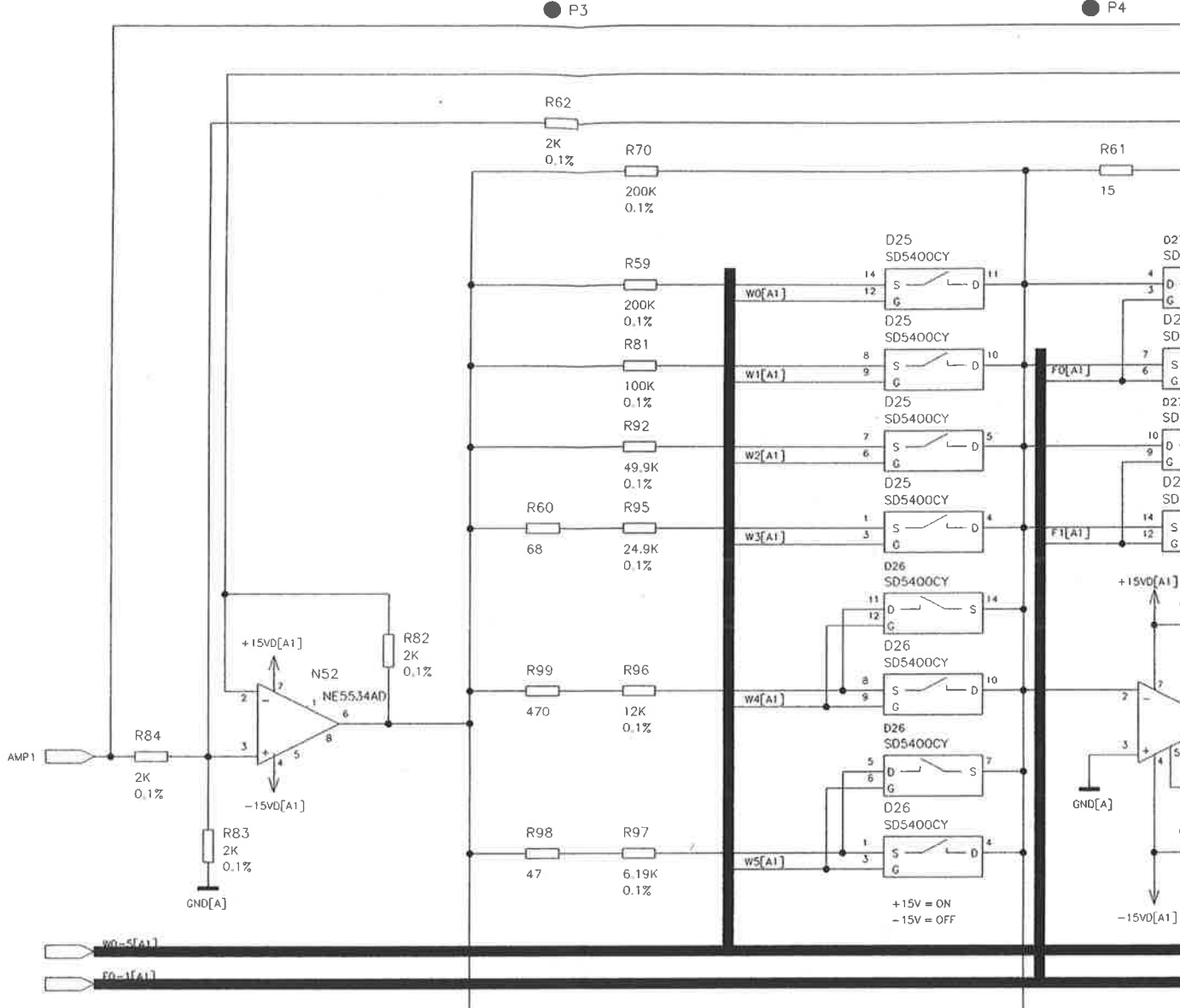
04/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / ANALYZER
			GEPR			ANALOG_UNIT
			NORM			TOP/ANALYZER_170/DFDD2_LP1KHZ_A1_55/DFDD2_LP1KHZ_A1.1
			PLOTT	21.10.96	S/SCHWAIGE	ZEICHN.-NR.
			ROHDE&SCHWARZ			1078.2908.01 S
						BLATT-NR. 7 +
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. V 1078.2008
						ERSTE Z. 1078.2008



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

1 2 3 4

A  
B  
C  
D  
E  
F



**ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

1 2 3 4

5

6

7

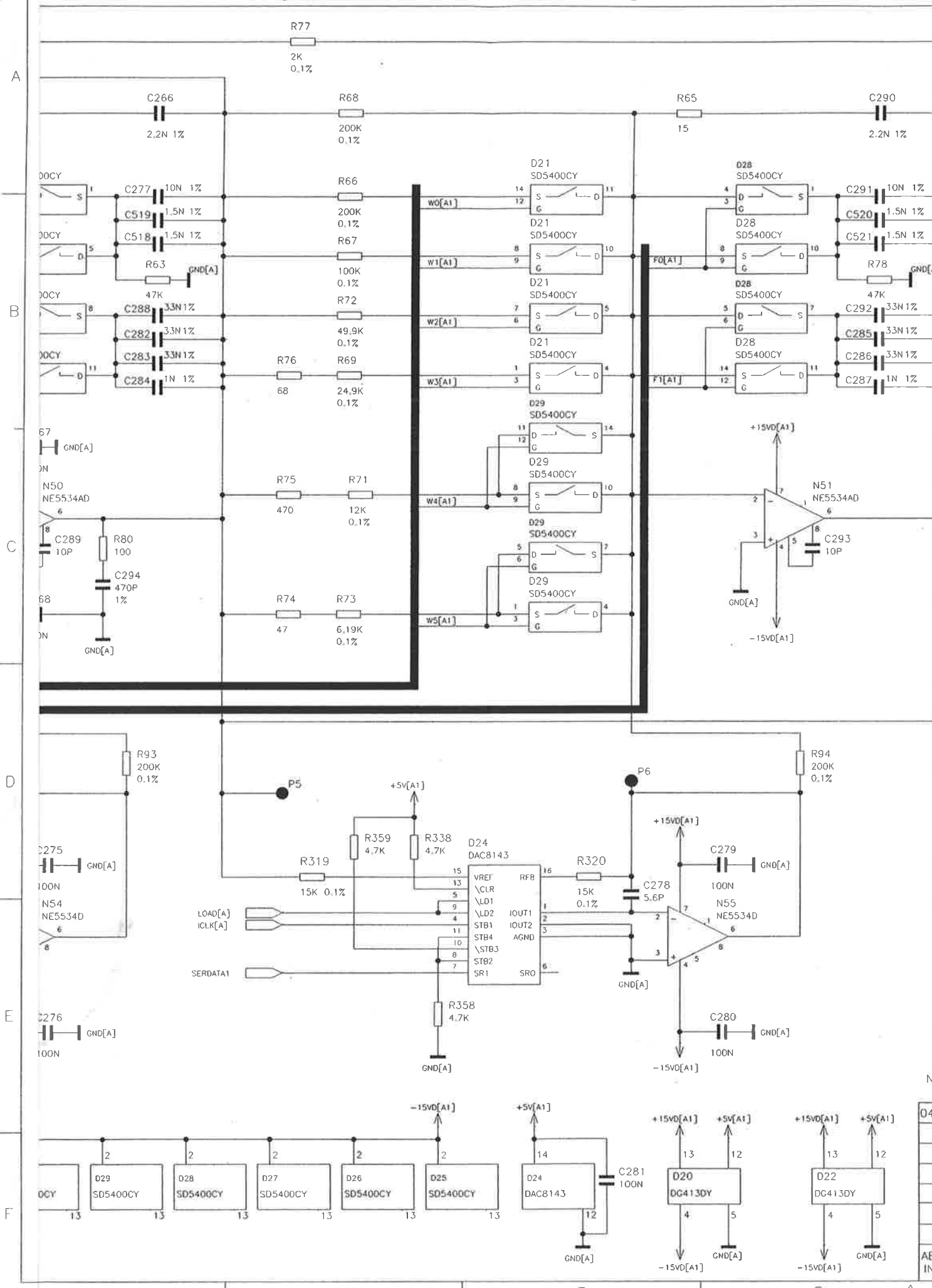
8



P5

P6

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



5

6

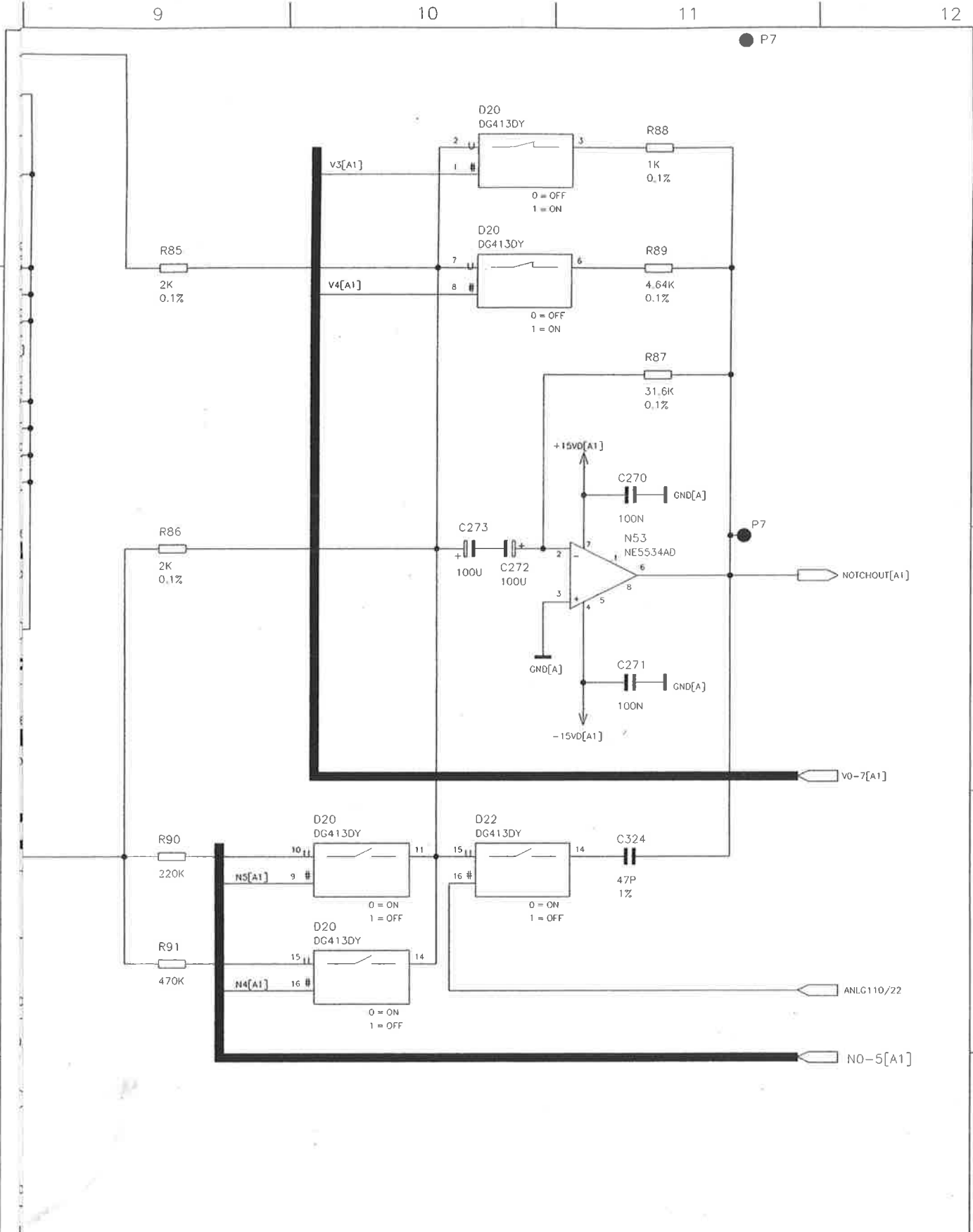
7

8



N.  
04.  
AE  
IN

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



F. = NICHT BESTUECKT/NOT FITTED

701	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT / ANALYZER	
			GEPR.			ANALOG_UNIT	
			NORM			TOP/ANALYZER_170/NOTCHFILTER__A1_56/NOTCHFILTER__A1_1	
			PLOTT	21.10.96	SR/EINBE_G	ZEICHN.-NR.	BLATT-NR.
					ROHDE&SCHWARZ	1078.2908.01 S	8 +
ND.	AENDERUNGS-	DATUM	NAME	ZUGERAET	UPL	REG.I.V.	BL
D.	MITTEILUNG					1078,2008	ERSTE Z.
						1078,2008	

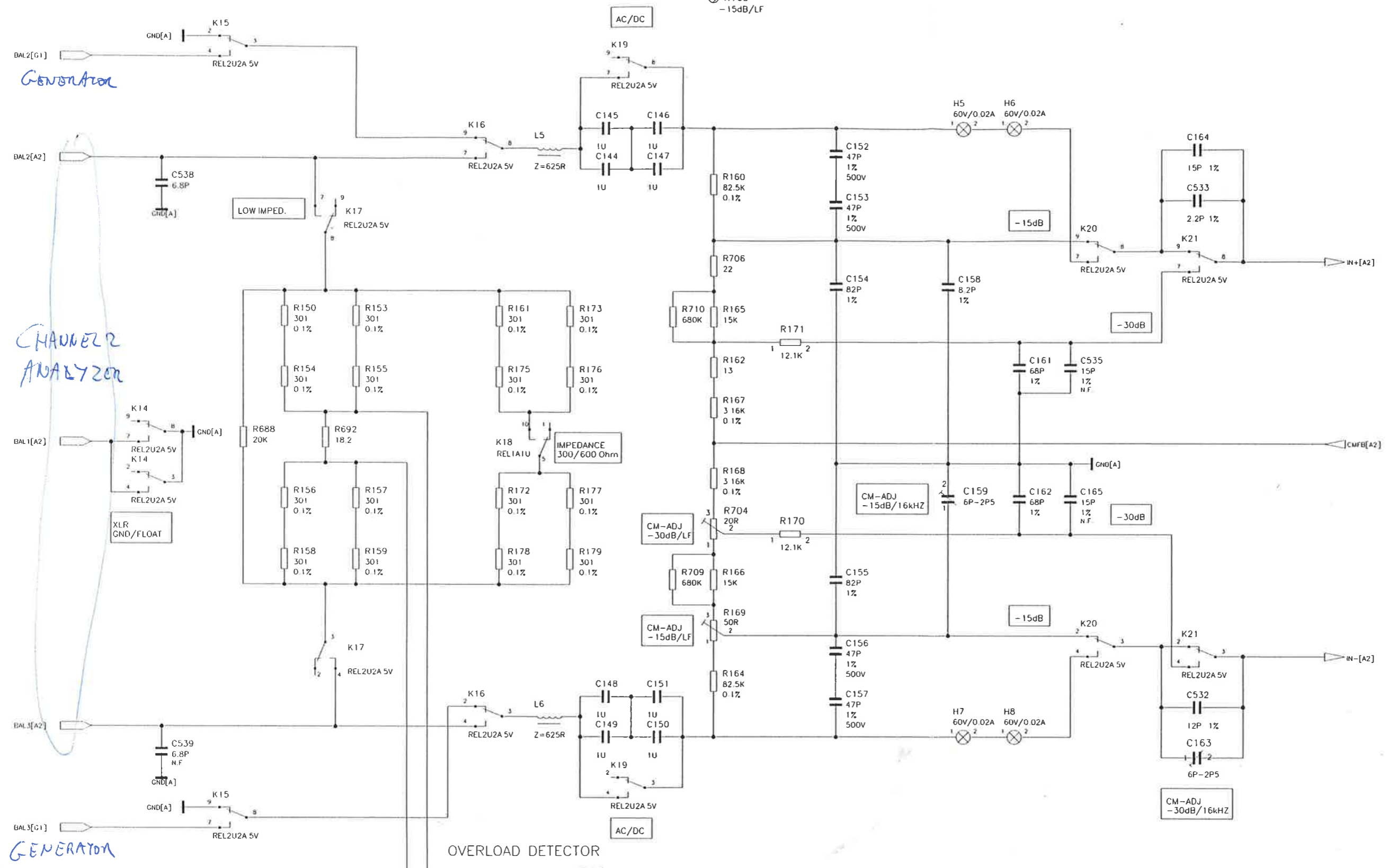
BEHALTEN WIR UNS ALLE RECHTE VOR

Generator

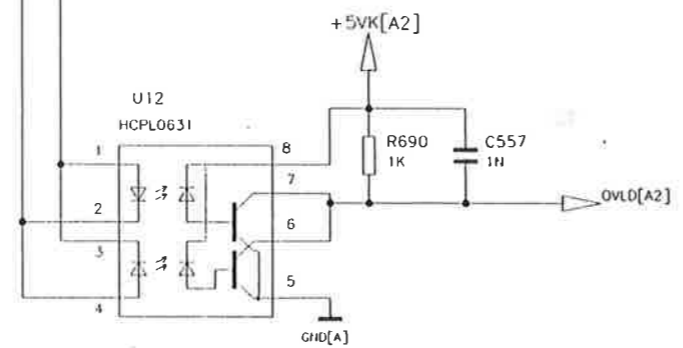
CHANNEL 2 ANALYZER

Generator

- ⊗ R704 -30dB/LF
- ⊗ R169 -15dB/LF
- ⊗ C159 -15dB/16kHz
- ⊗ C163 -30dB/16kHz



OVERLOAD DETECTOR



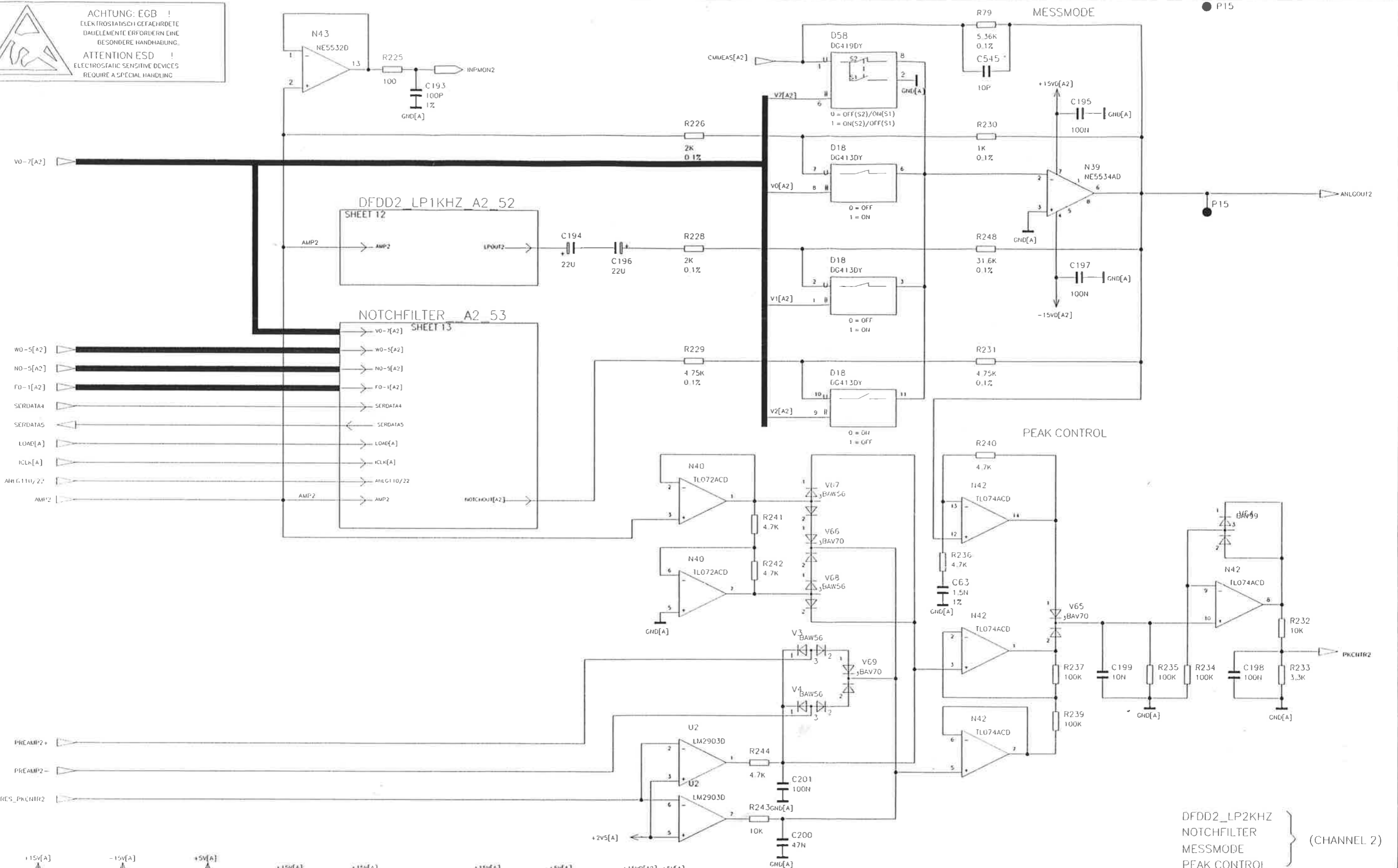
**ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFÄHRDETE  
BAULEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG  
**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

N.F. = nicht bestueckt / not fitted      BALANCED INPUT DIVIDER 0/-15/-30dB (CHANNEL 2)

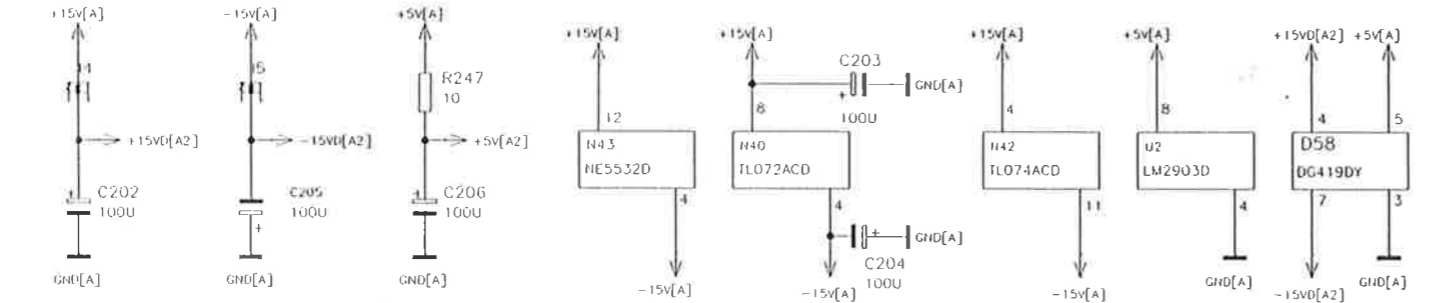
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. V.	1078.2008	ERSTE Z.	1078.2008	
04/0		10.96	SR	1GPK	DATUM	NAME	BENENNUNG	ANALOG_UNIT / ANALYZER		
				BEARB.		SR	ANALOG_UNIT			
				GEPR.			TOP/ANALYZER_170/ANALYZER 4			
				NORM			ZEICHN.-NR.			
				PLOTT	22.10.96	SBCHWAIGE	1078.2908.01 S			
				ROHDE&SCHWARZ		REG. V.		1078.2008	ERSTE Z.	1078.2008
						ZU GERÄT		UPL		
										BLATT-NR.
										9 +
										BL



ACHTUNG: EGB !  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
ATTENTION ESD !  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING



DFDD2\_LP2KHZ  
NOTCHFILTER  
MESSMODE  
PEAK CONTROL } (CHANNEL 2)



04/0	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / ANALYZER
			GEPR.			ANALOG_UNIT
			NORM			TOP/ANALYZER_170/ANALYZER.6
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
						1078.2908.01 S
						BLATT-NR. 11 +
						X BL.
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. V. 1078.2008
						ERSTE Z. 1078.2008

BEHALTEN WIE UNS ALLE RECHTE VOR

1 2 3 4

A

B

C

D

E

A

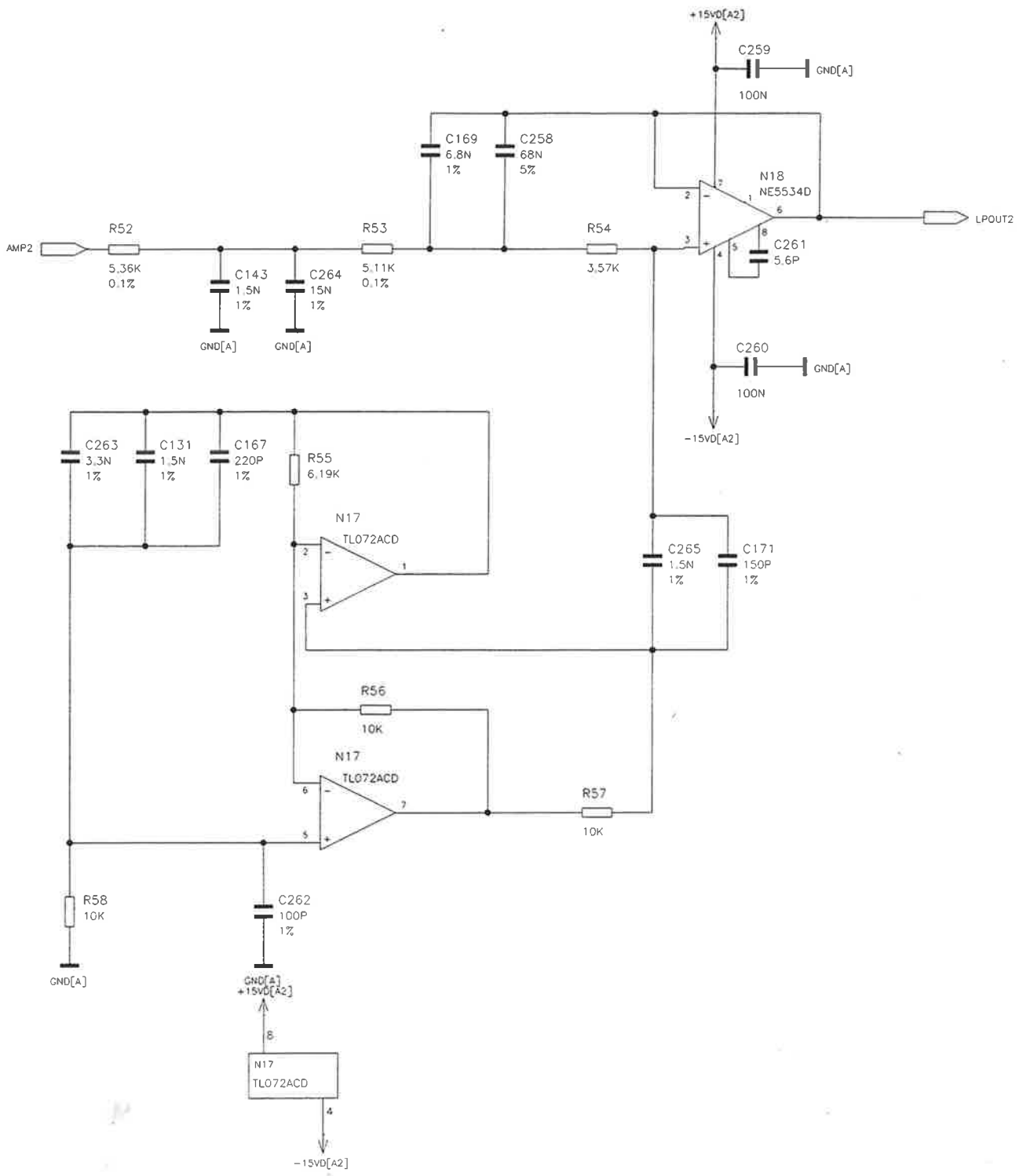
B

C

D

E

BEHALTEN WIR UNS ALLE RECHTE VOR

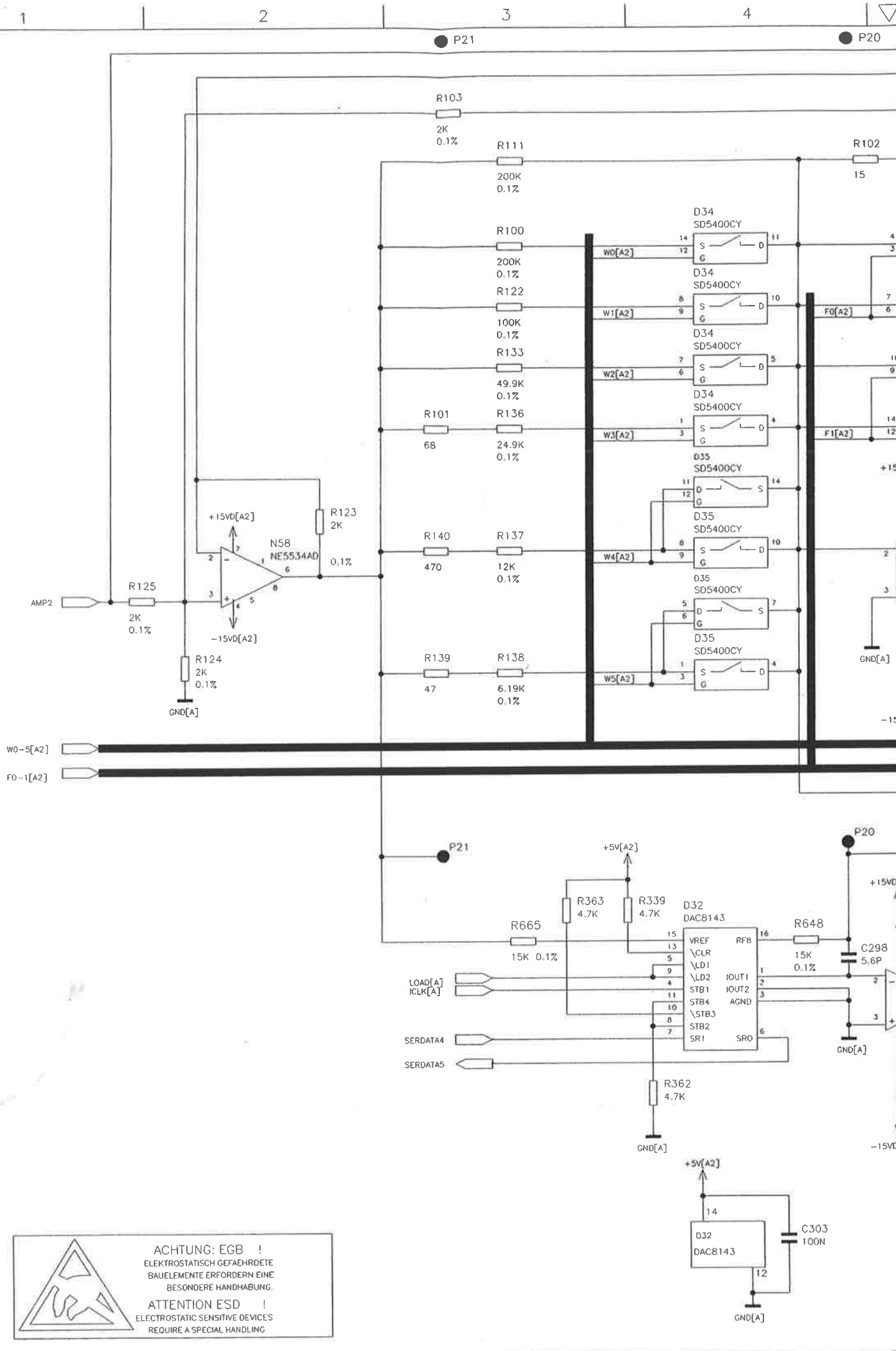




**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

04/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT / ANALYZER	
			GEPR.			ANALOG_UNIT	
			NORM			TOP/ANALYZER_170/DFDD2_LP1KHZ_A2_S2/DFDD2_LP1KHZ_A2_1	
			PLOTT	21.10.96	S/SCHWAIGE	ZEICHN.-NR.	BLATT-NR.
			ROHDE&SCHWARZ			1078.2908.01 S	12 +
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG.I.V.	BL
						1078.2008	ERSTE Z. 1078.2008

1 2 3 4

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



 **ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING



5

6

7

8

P19  
R118  
2K  
0,1%

P17

A

C295 2,2N 1%

R109  
200K  
0,1%

R106  
15

C319 2,2N 1%

D36 SD5400CY

C306 10N 1%

R107  
200K  
0,1%

D31 SD5400CY

D37 SD5400CY

C320 10N 1%

D36 SD5400CY

C522 1,5N 1%

R108  
100K  
0,1%

D31 SD5400CY

D37 SD5400CY

C524 1,5N 1%

D36 SD5400CY

R104 47K

R113  
100K  
0,1%

D31 SD5400CY

D37 SD5400CY

C525 1,5N 1%

B

C317 33N 1%

R117  
49,9K  
0,1%

D31 SD5400CY

D37 SD5400CY

C321 33N 1%

D36 SD5400CY

C311 33N 1%

R110  
24,9K  
0,1%

D31 SD5400CY

D37 SD5400CY

C314 33N 1%

D36 SD5400CY

C312 33N 1%

R113  
49,9K  
0,1%

D31 SD5400CY

D37 SD5400CY

C315 33N 1%

D36 SD5400CY

C313 1N 1%

R114  
6,19K  
0,1%

D38 SD5400CY

D38 SD5400CY

C316 1N 1%

C

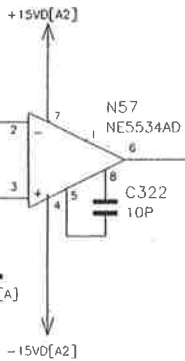
C296 100N

R116  
470

R112  
12K  
0,1%

D38 SD5400CY

D38 SD5400CY



D36 SD5400CY

C318 10P

R121  
100

R115  
47

D38 SD5400CY

D38 SD5400CY

D36 SD5400CY

C323 470P

R114  
6,19K  
0,1%

R114  
6,19K  
0,1%

D38 SD5400CY

D38 SD5400CY

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

D

R134 200K 0,1%

R682 15K 0,1%

R360 4,7K

R340 4,7K

P17

D36 SD5400CY

C304 100N

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

D36 SD5400CY

C307 5,6P

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

D36 SD5400CY

C308 100N

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

D36 SD5400CY

C309 100N

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

E

C305 100N

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

F

D36 SD5400CY

C310 100N

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

D36 SD5400CY

C310 100N

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

D36 SD5400CY

C310 100N

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

D36 SD5400CY

C310 100N

R681 15K 0,1%

R361 4,7K

D33 DAC8143

D33 DAC8143

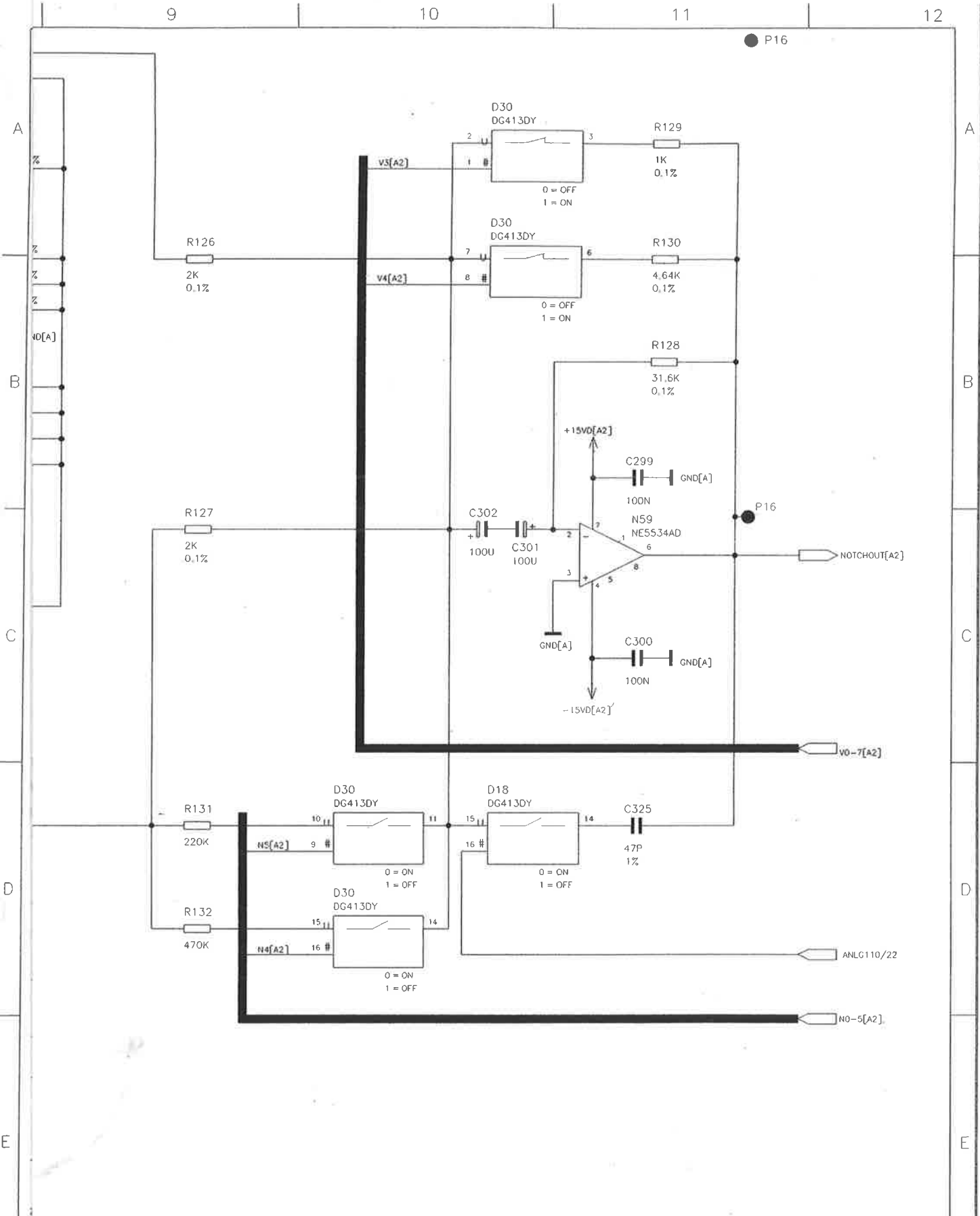
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6

7

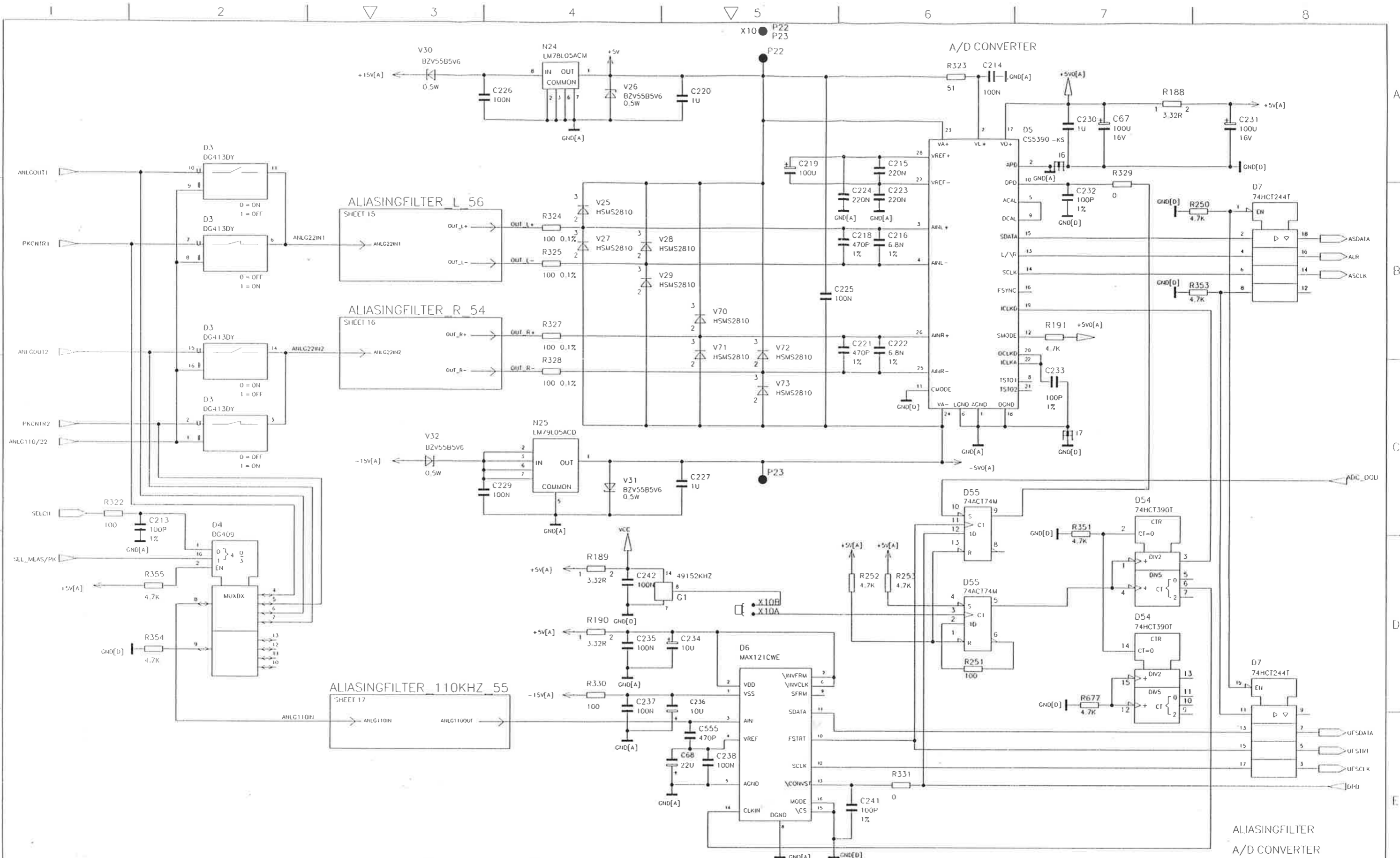
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FUER DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR

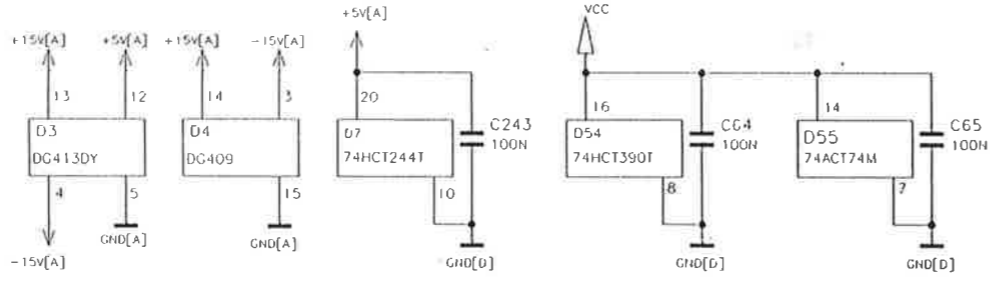


1/01	10.96	SR	1CPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT / ANALYZER	
			GEPR.			ANALOG_UNIT	
			NORM			TOP/ANALYZER_170/NOTCHFILTER_A2_53/NOTCHFILTER_A2.1	
			PLOTT	21.10.96	SWEINBE_G	ZEICHN.-NR.	
			ROHDE&SCHWARZ			1078.2908.01 S	BLATT-NR. 13 +
END. V.D.	AENDERUNGS-MITTEILUNG	DATUM				NAME	ZU GERAET

BEHALTEN WIR UNS ALLE RECHTE VOR



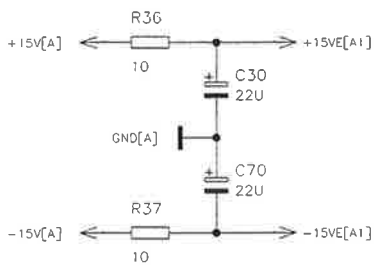
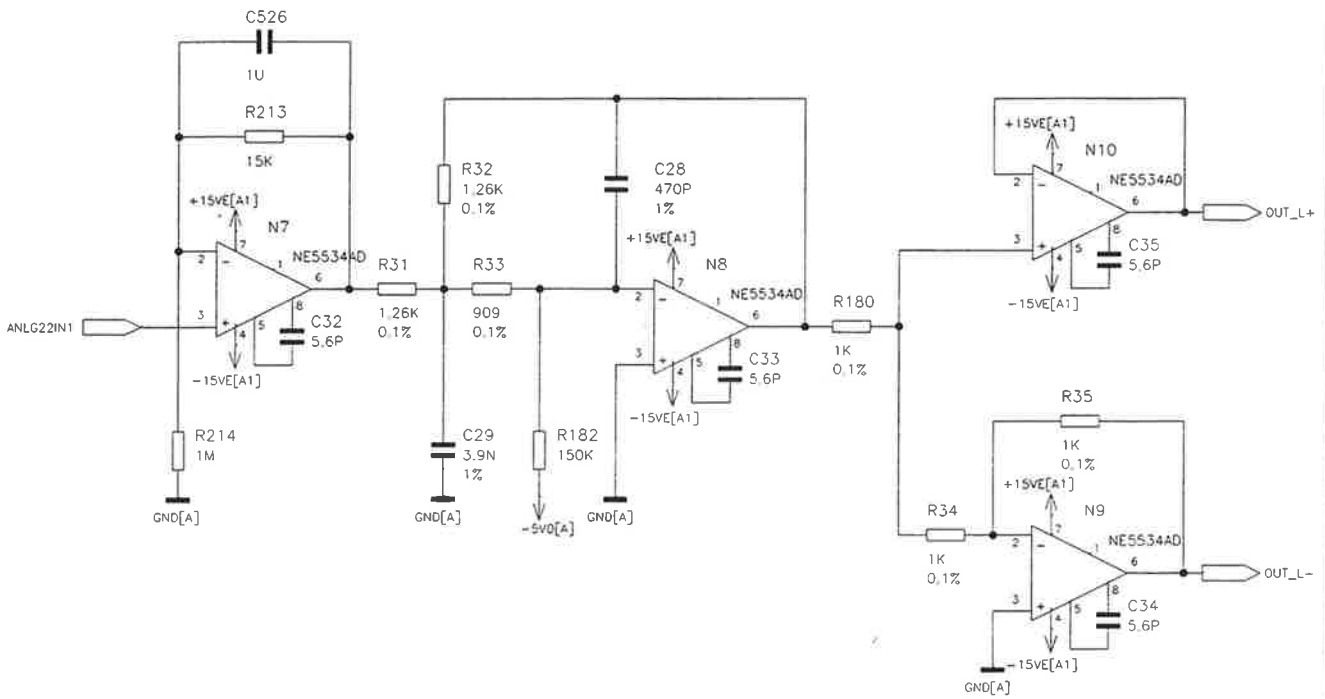
**ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG  
**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING




04/0	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / ANALYZER
			GEPR.			ANALOG_UNIT
			NORM			TOP/ANALYZER_170/ANALYZER.7
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
						1078.2908.01 S
						BLATT-NR.
						14 +
						BL.
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. I. V.
						1078.2008
						ERSTE Z.
						1078.2008

ALIASINGFILTER  
A/D CONVERTER

BEHALTEN WIR UNS ALLE RECHTE VOR

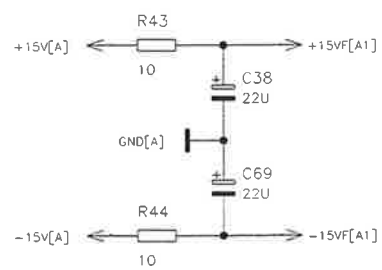
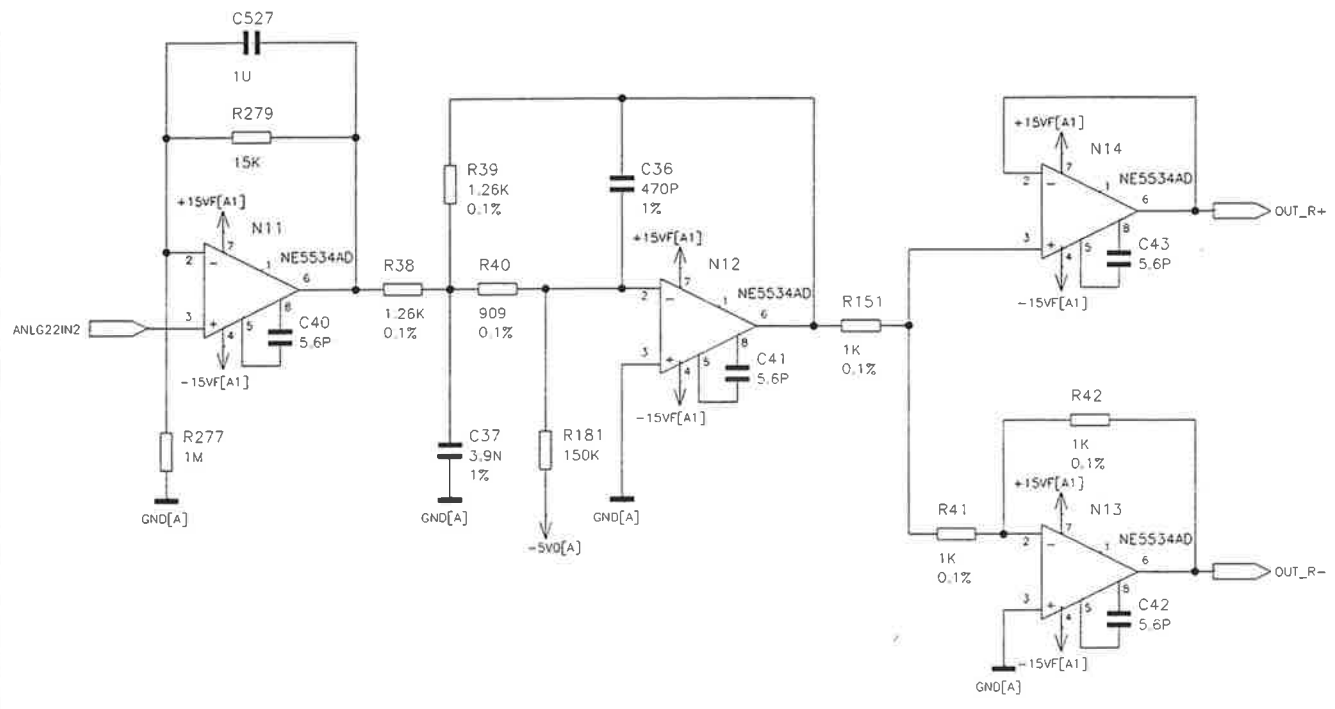




**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

04/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
						ANALOG_UNIT / ANALYZER ANALOG_UNIT TOP/ANALYZER_170/ALIASINGFILTER_L_56/ALIASINGFILTER_L_1	
						ZEICHN.-NR.	
					ROHDE&SCHWARZ	1078.2908.01 S	
						BLATT-NR. 15 +	
AEND. IND.	ÄNDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. IV	1078.2008
						ERSTE Z.	1078.2008

BEHALTEN WIR UNS ALLE RECHTE VOR

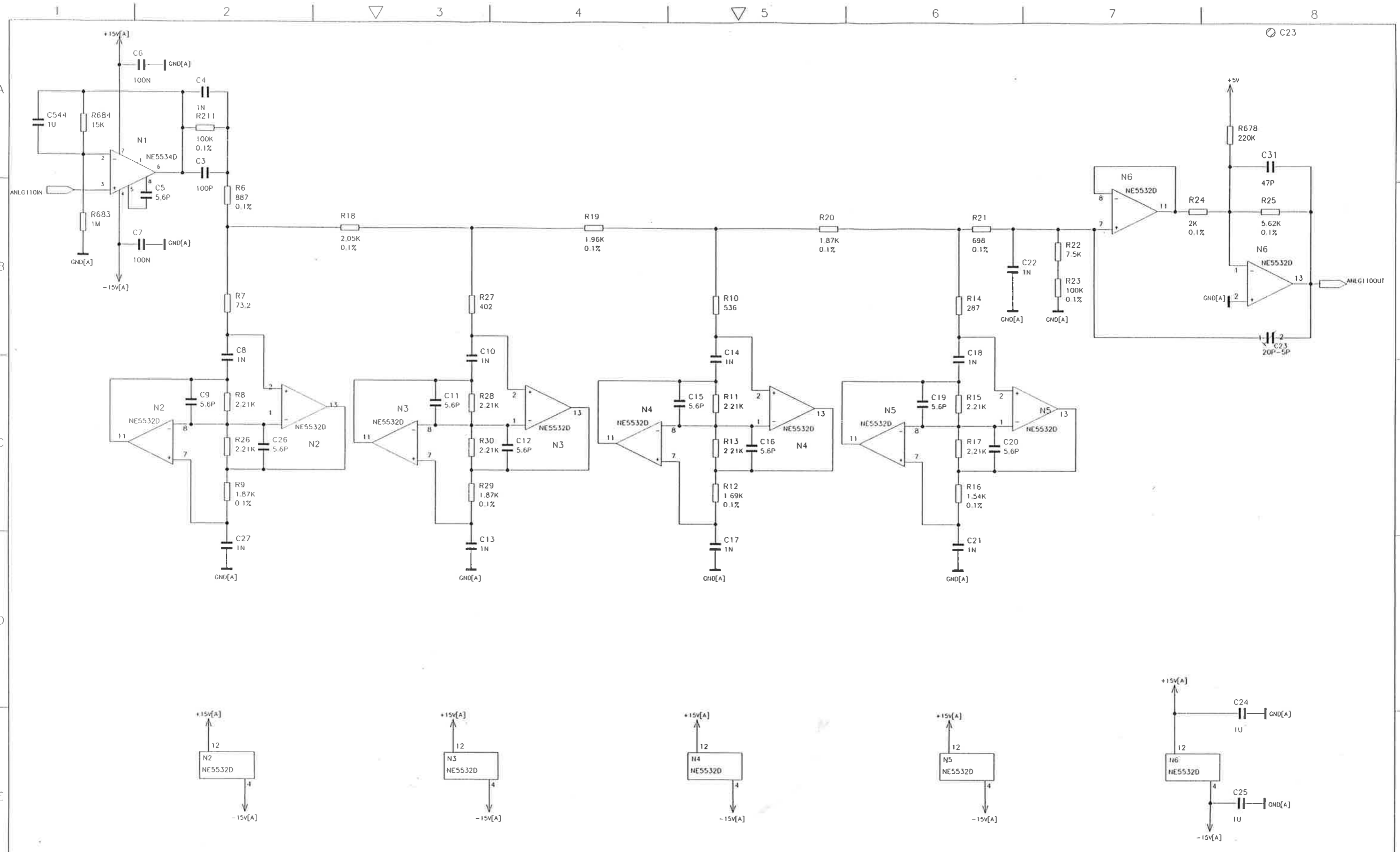




**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

04/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
					SR	ANALOG_UNIT / ANALYZER ANALOG_UNIT TOP/ANALYZER_170/ALIASINGFILTER_R_54/ALIASINGFILTER_R_1	
			ROHDE&SCHWARZ			ZEICHN.-NR.	BLATT-NR.
						1078.2908.01 S	16 +
AEND. IND.	ÄNDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT UPL	REG. I.V.	1078.2008	ERSTE Z. 1078.2008
							v BL

FÜR DIESE UNIVERSITÄT BEHALTEN WIR UNS ALLE RECHTE VOR

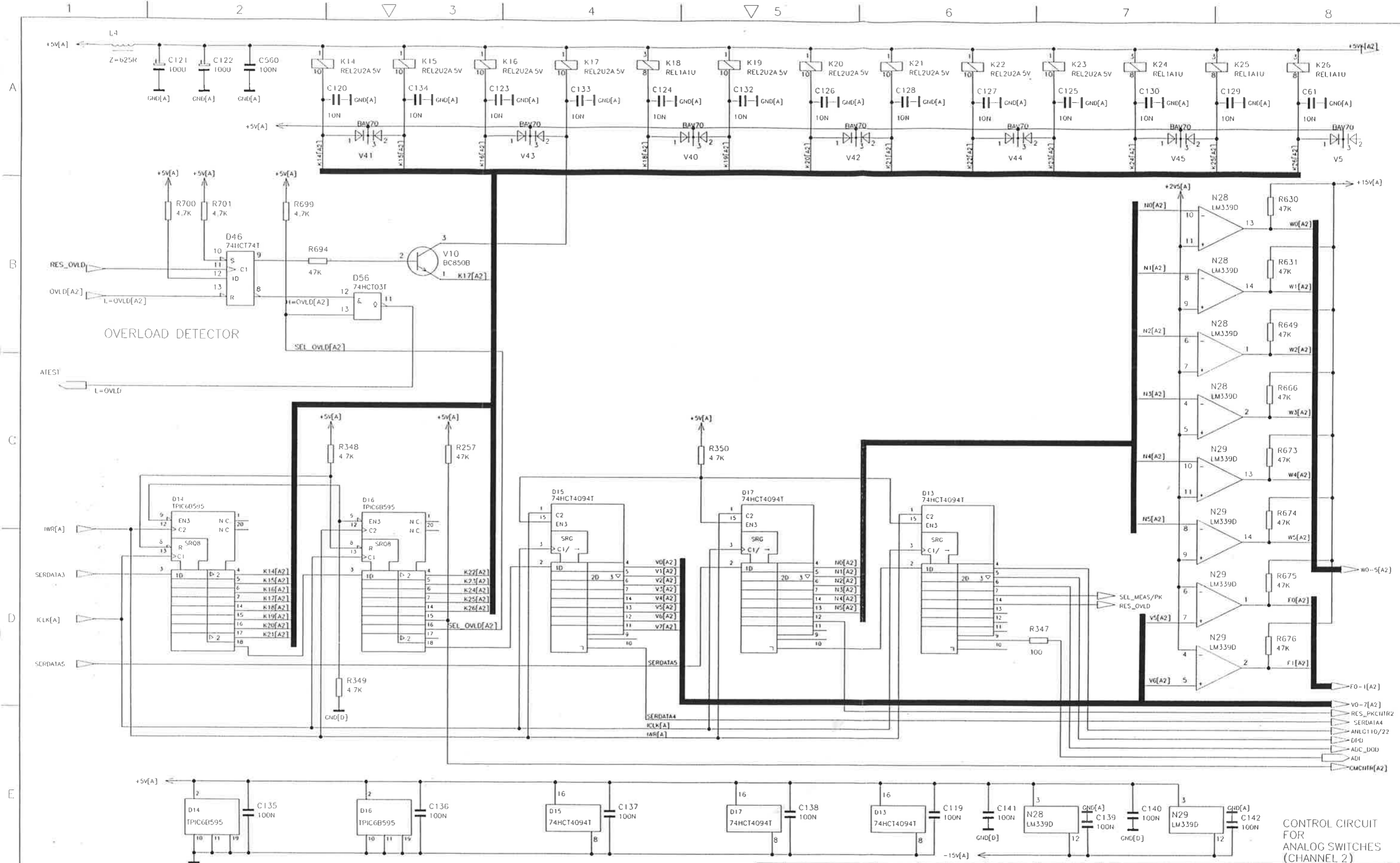



**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESÖNDERE HANDHABUNG  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

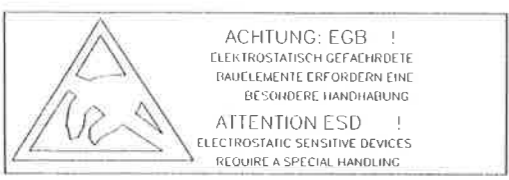
04/0		10.96	SR	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		SR	ANALOG_UNIT / ANALYZER
				GEPR.			ANALOG_UNIT
				NORM			TOP/ANALYZER_170/ALIASINGFILTER_110KHZ_55/ALIASINGFILTER_110KHZ_1
				PLOTT	21.10.96	SBCHWAIGE	ZEICHN. -NR.
				ROHDE&SCHWARZ			1078.2908.01 S
AEND. IND.	AENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. I.V.	1078.2008
						ERSTE Z.	1078.2008

BLATT-NR.  
17 +  
V. BL.





BEHALTEN WIR UNS ALLE RECHTE VOR

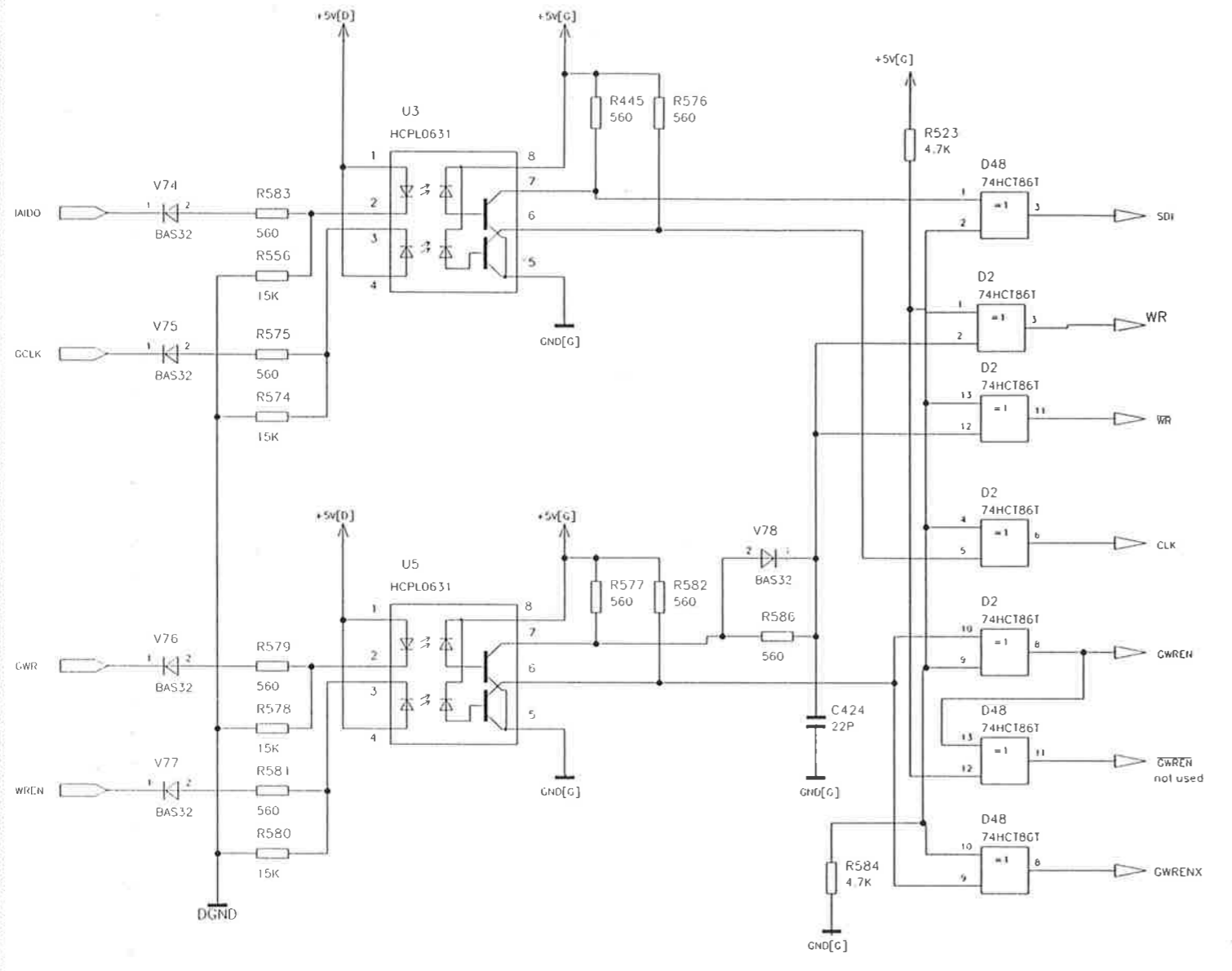


04/0	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / ANALYZER
			GEPR.			ANALOG_UNIT
			NORM			TOP/ANALYZER_170/ANALYZER 9
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
						1078.2908.01 S
						BLATT-NR
						19 +
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. I.V.
						1078.2008
						ERSTE Z.
						1078.2008

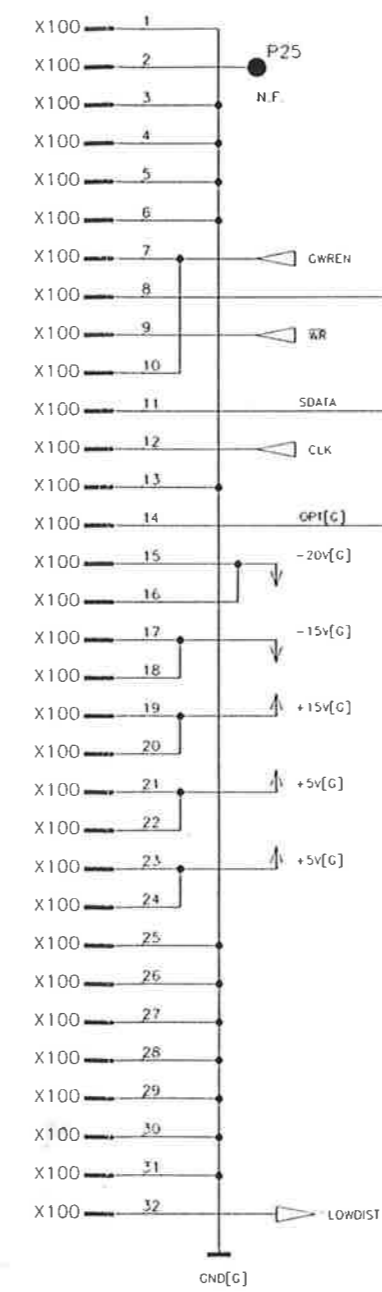
CONTROL CIRCUIT FOR ANALOG SWITCHES (CHANNEL 2)



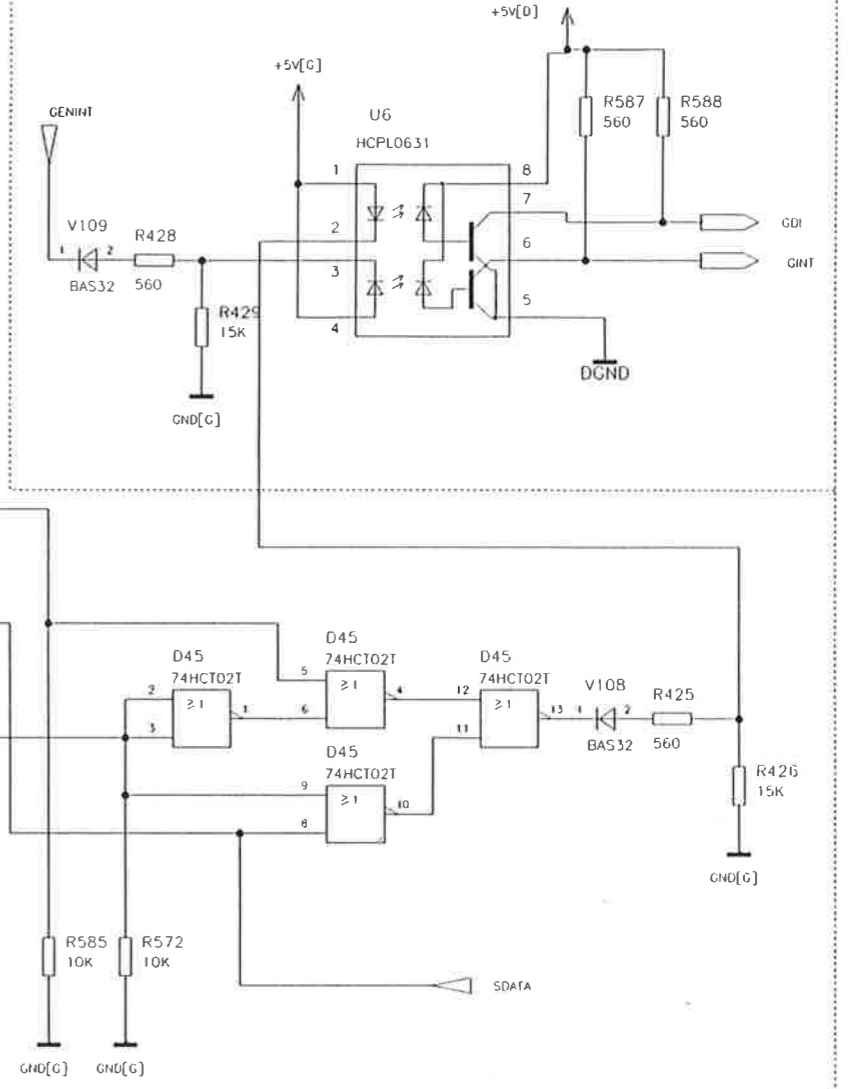
DATA LINK IN



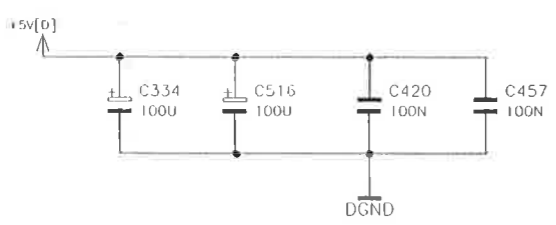
LOW DIST CONNECTOR




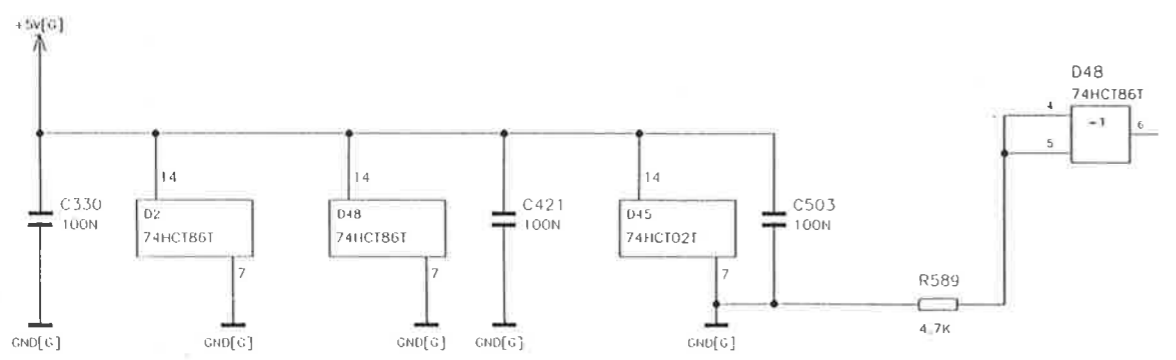
DATA LINK OUT



BEHALTEN WIR UNS ALLE RECHTE VOR

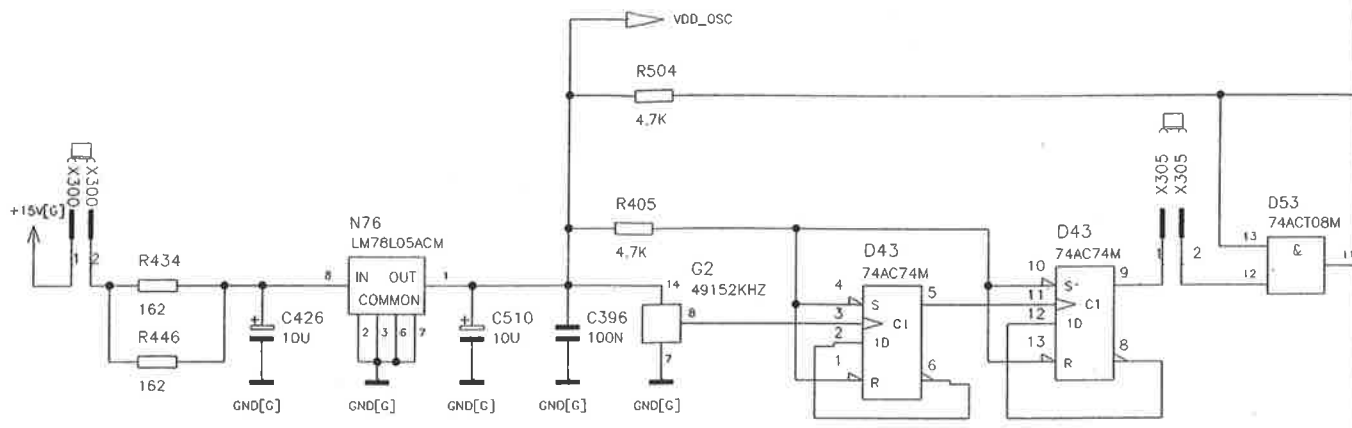



**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

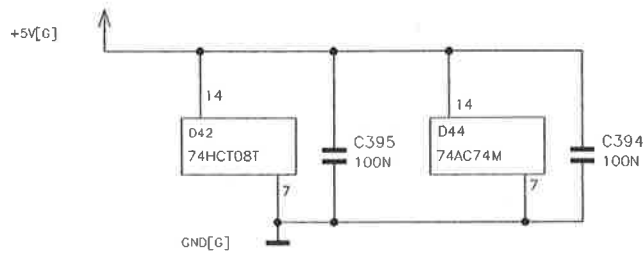
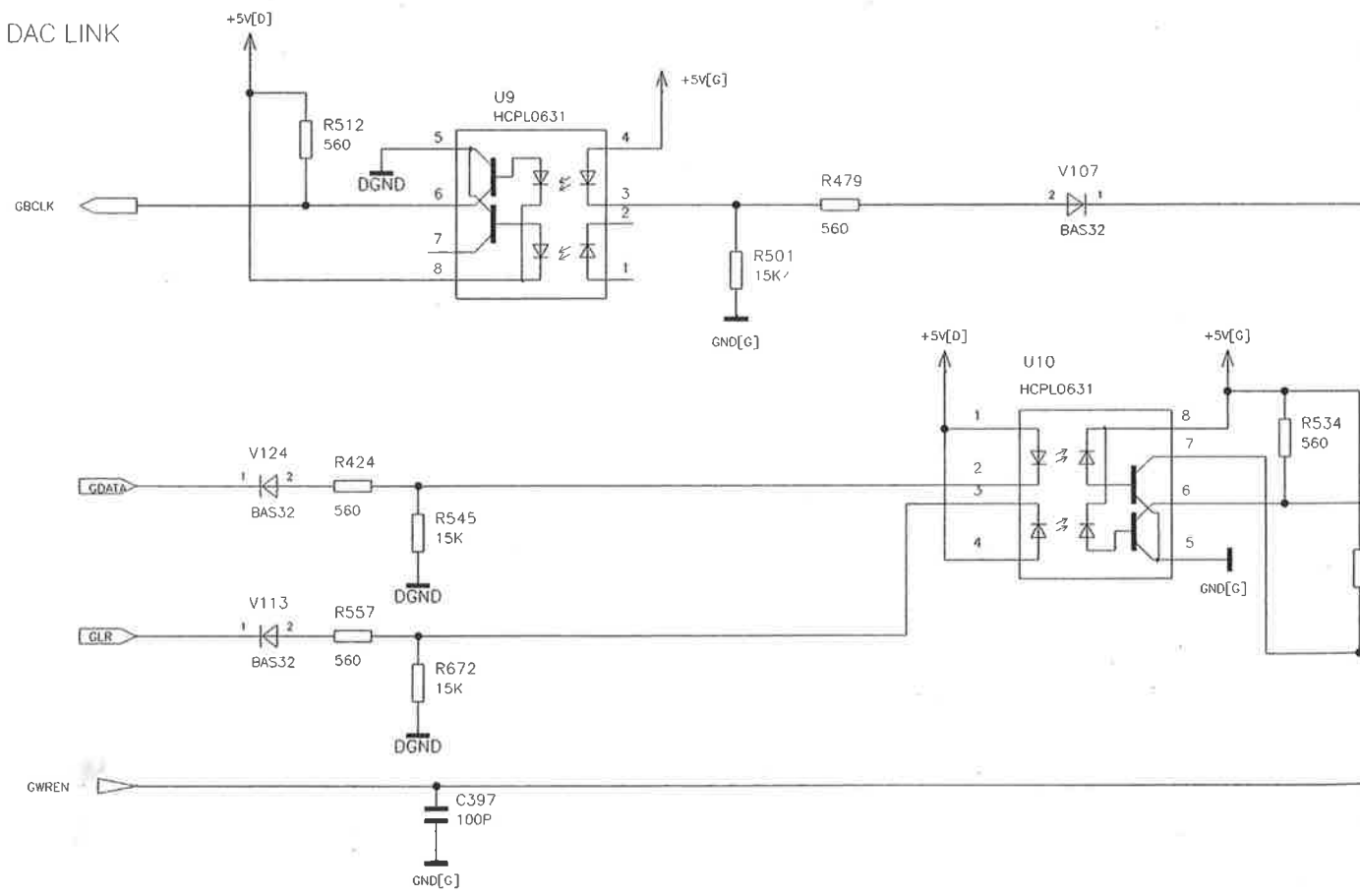


04/0	10.96	SR	IGPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / GENERATOR
			GEPR.			ANALOG_UNIT
			NORM			TOP/GENERATOR_169/GENERATOR_1
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
						1078.2908.01 S
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. I.V.
						1078.2008
						ERSIEZ. 1078.2008
						BLATT-NR. 20 +
						BL

# CLOCK GENERATOR



# DAC LINK



**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDENE  
 BAUELEMENTE ERFORDERN EIN  
 BESONDERE HANDHABUNG  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

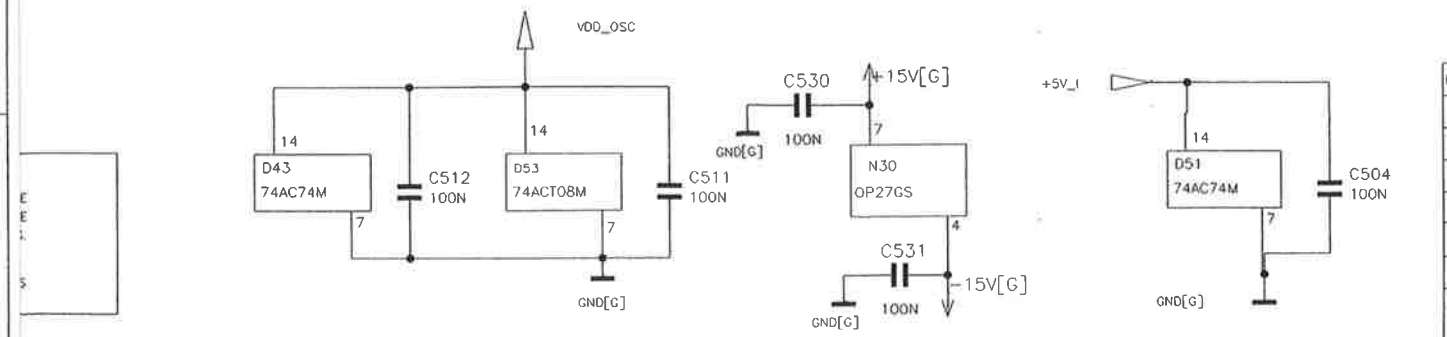
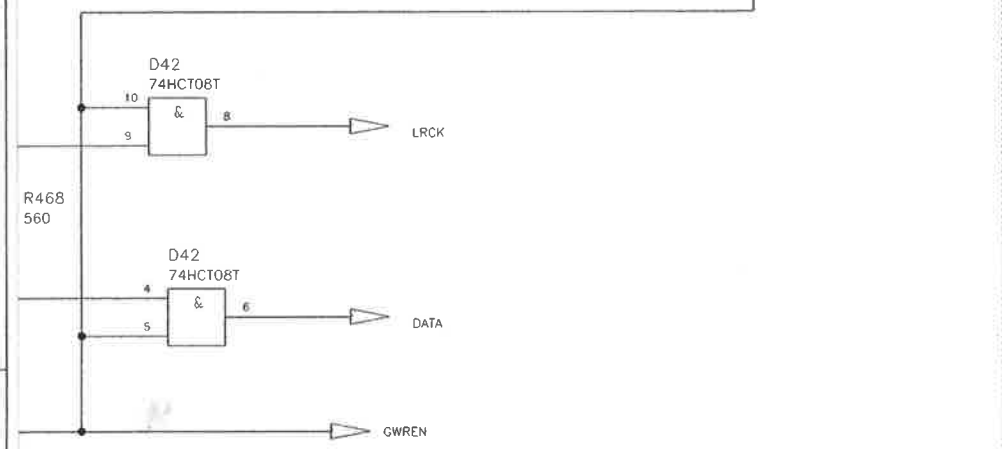
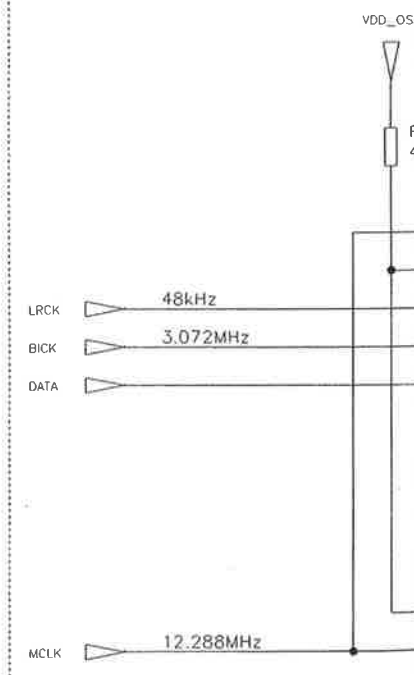
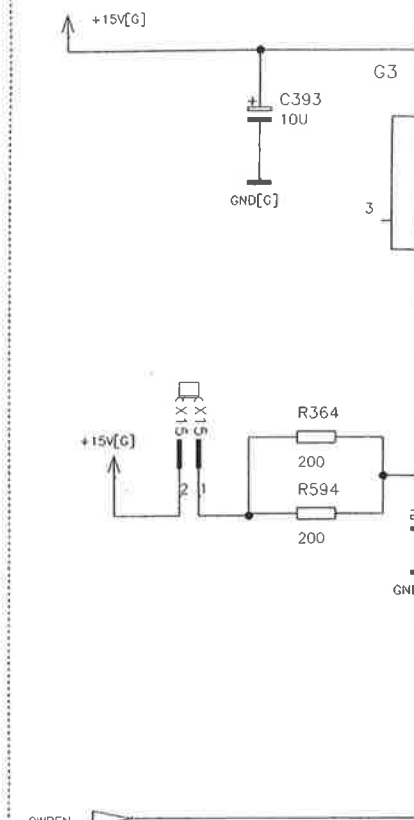
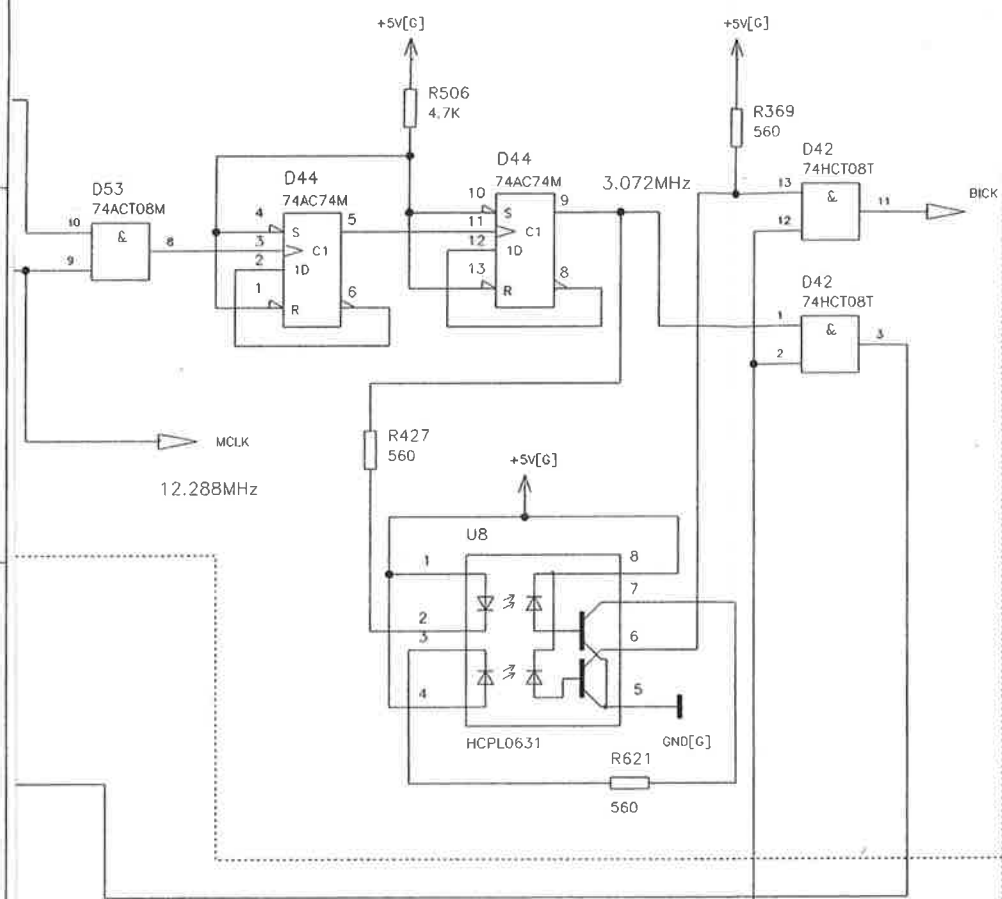
FUER DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR

A  
B  
C  
D  
E  
F

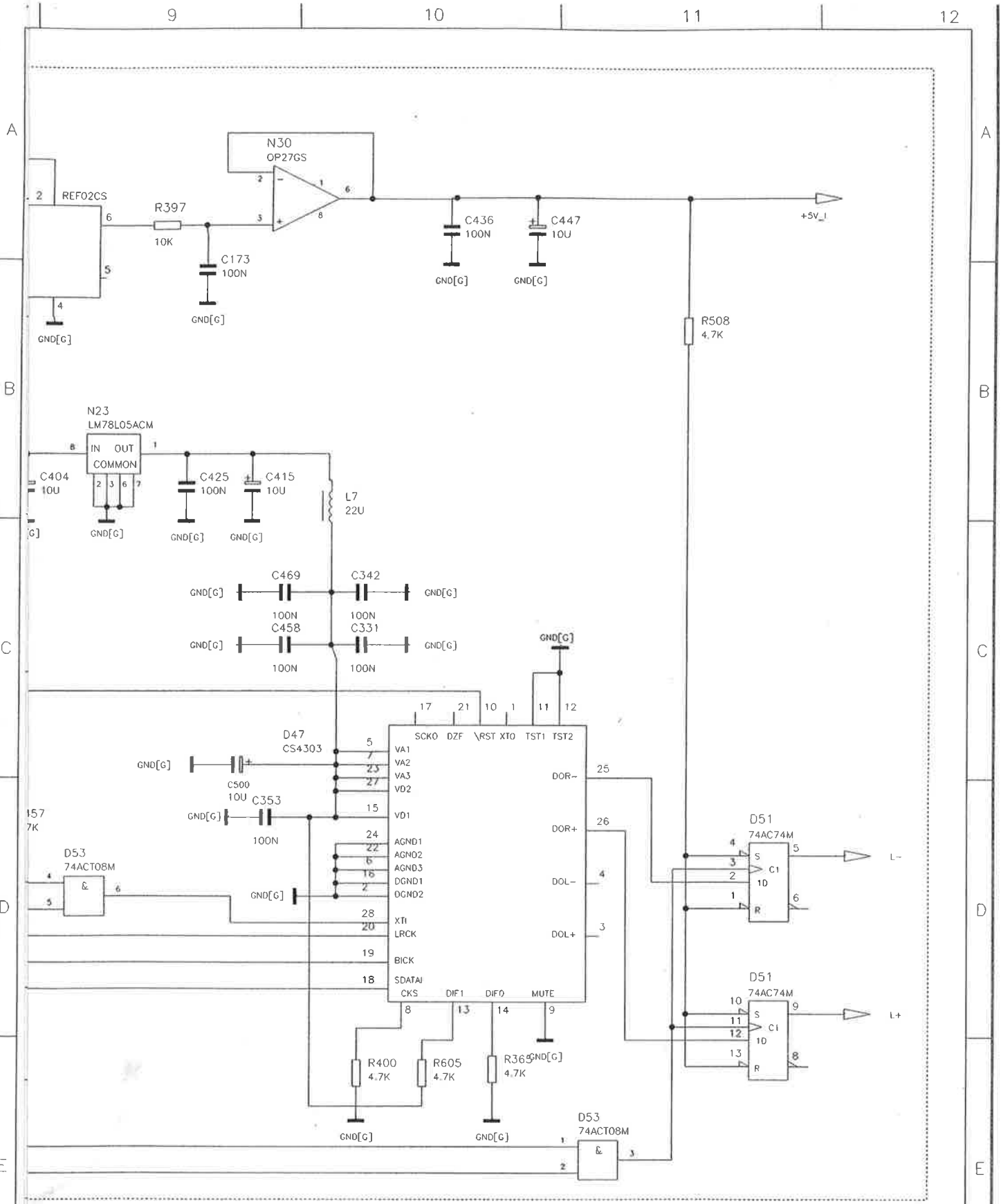
FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

X15

SIGNAL DAC

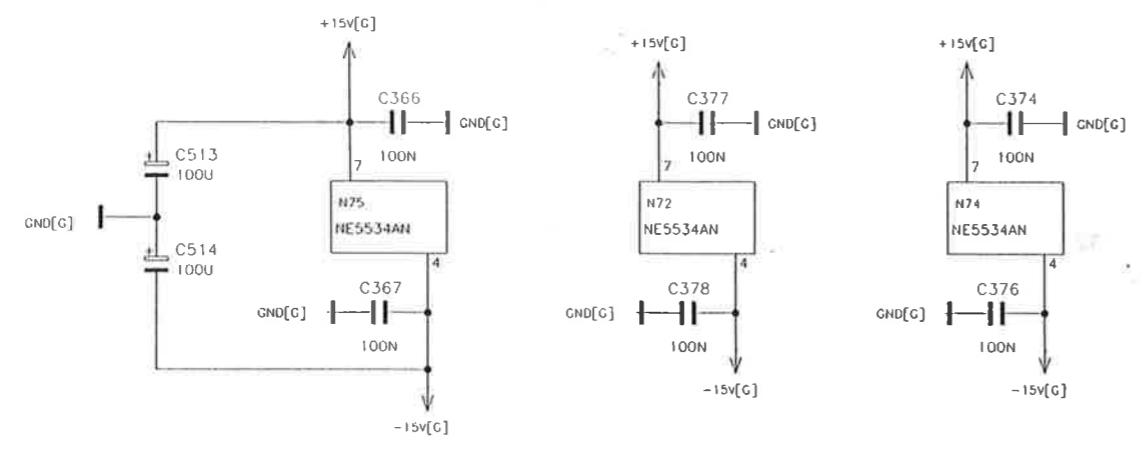
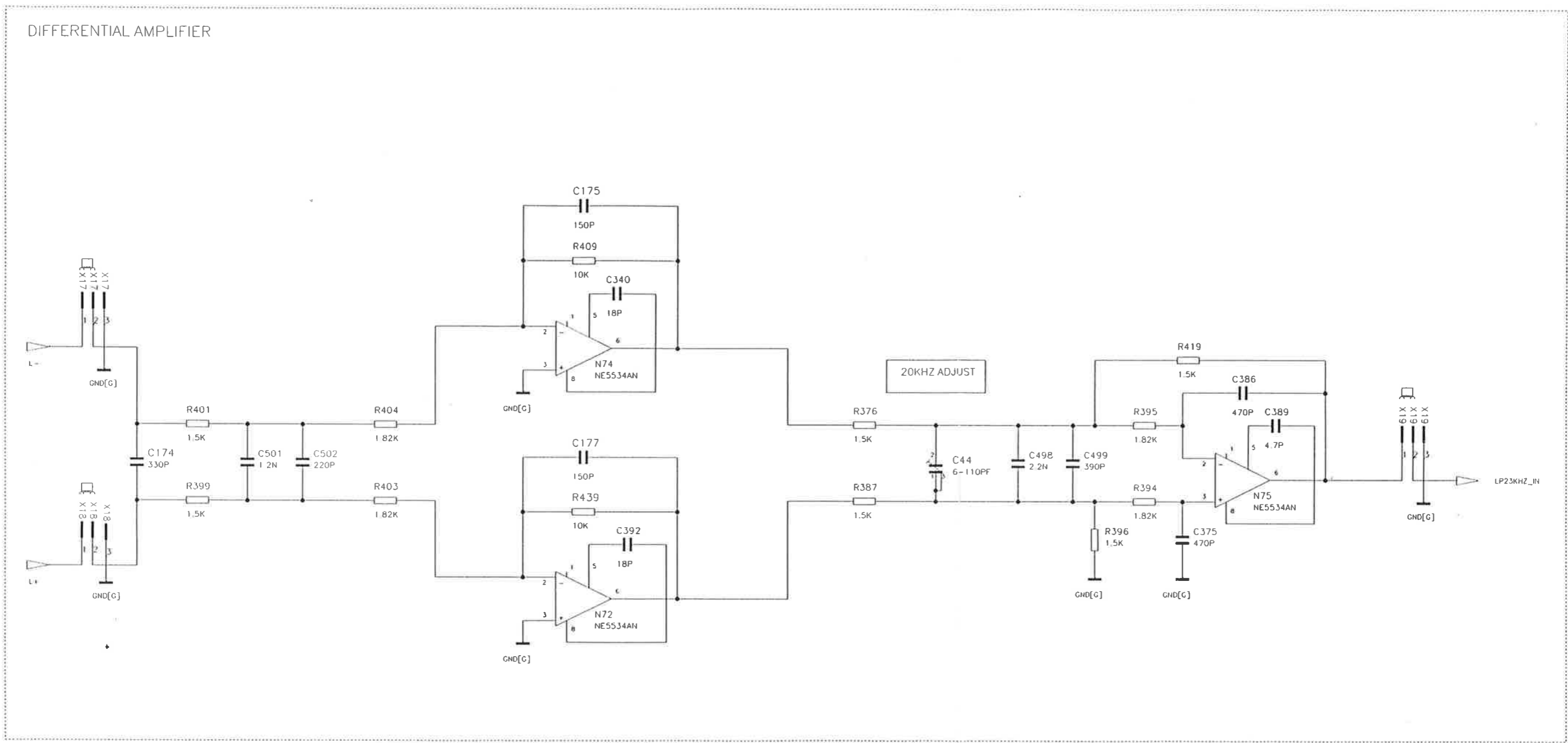


FUER DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR



4/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / GENERATOR
			GEPR.			ANALOG_UNIT
			NORM			TOP/GENERATOR_169/GENERATOR.2
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
			ROHDE&SCHWARZ			1078.2908.01 S
						BLATT-NR.
END.	AENDERUNGS-	DATUM	NAME	ZU GERAET	UPL	REG.I.V.
VD.	MITTEILUNG					1078.2008
						ERSTE Z. 1078.2008
						BL.

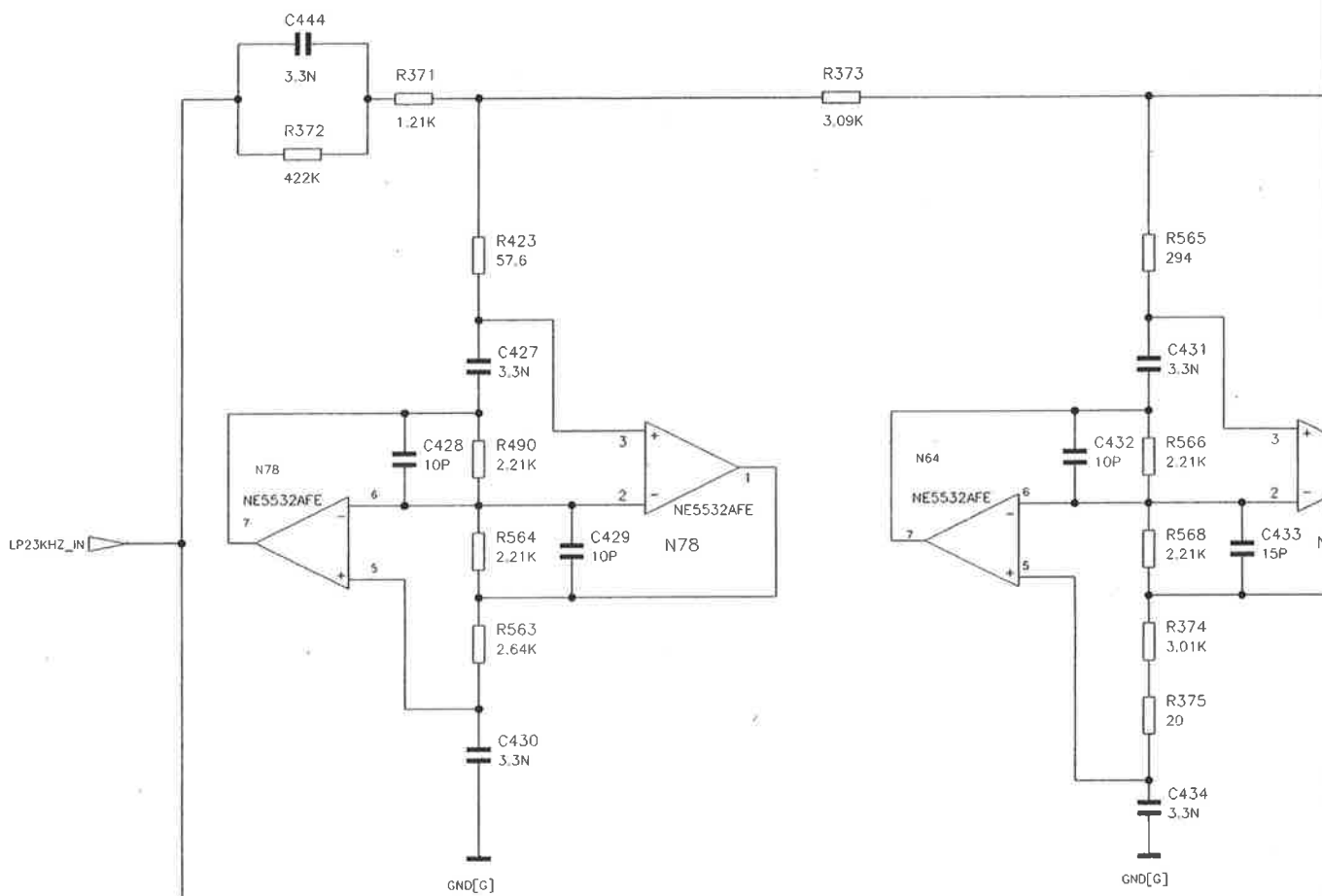
BEHALTEN WIR UNS ALLE RECHTE VOR



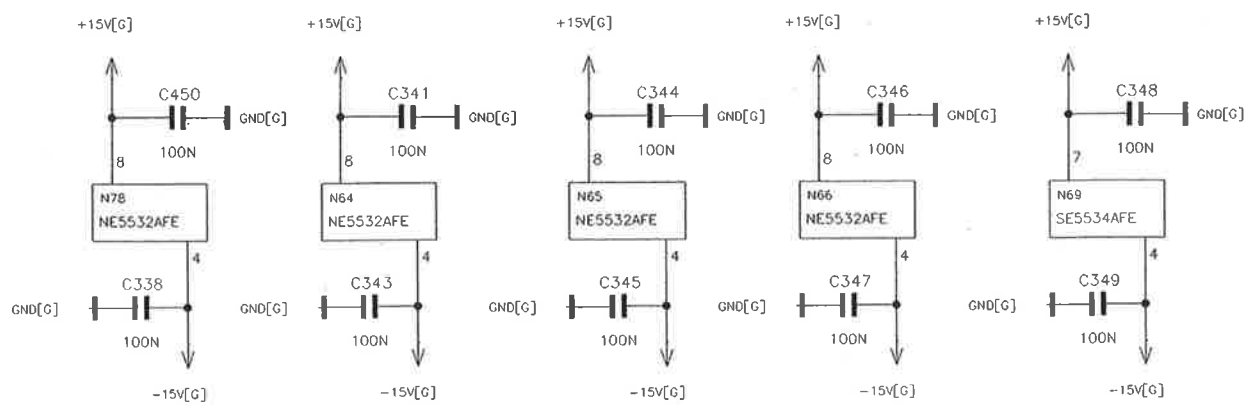

  
**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

04/0	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / GENERATOR
			GEPR.			ANALOG_UNIT
			NORM			TOP/GENERATOR_169/GENERATOR_3
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
						1078.2908.01 S
						BLATT-NR.
						22 +
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET	UPL	REG I.V.
						1078.2008
						ERSTE Z.
						1078.2008

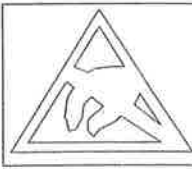
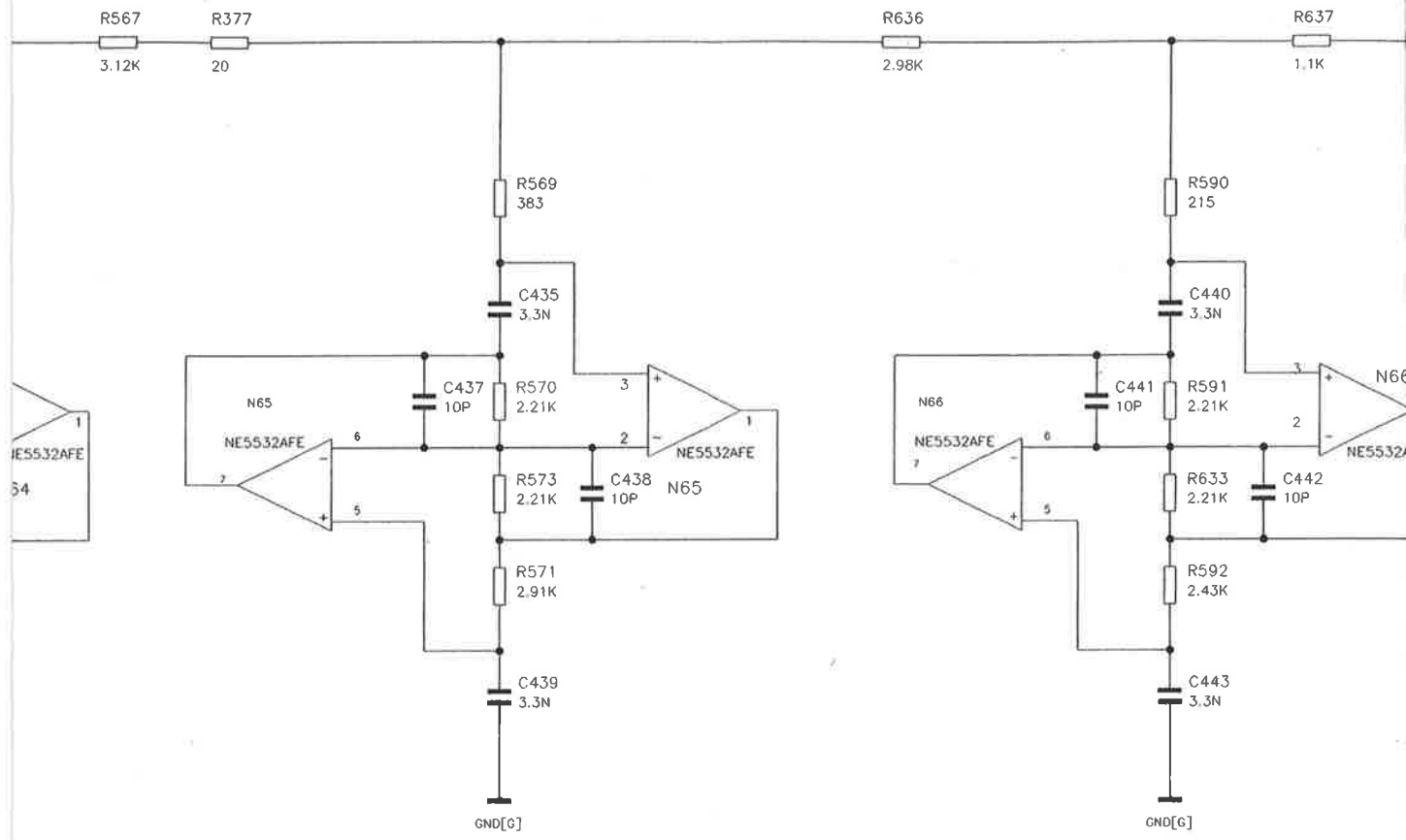
LOWPASS 23KHZ



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



ACHTUNG: EGB !  
ELEKTROSTATISCHE GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
ATTENTION ESD !  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

04/  
AEN  
IND

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12

C497

P18

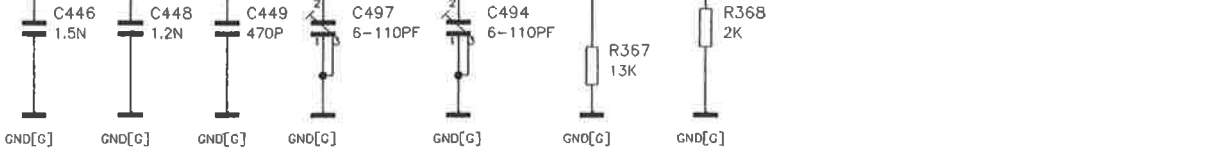
A

A

FDNR ADJUST

B

B



C

C

D

D

E

E

F

F

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT / GENERATOR	
			GEPR.			ANALOG_UNIT	
			NORM			TOP/GENERATOR_169/GENERATOR.4	
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.	BLATT-NR.
			ROHDE&SCHWARZ			1078.2908.01 S	23 +
0.	AENDERUNGS-	DATUM	NAME	ZU GERAET	UPL	REG.I.V.	ERSTE Z.
	MITTEILUNG					1078.2008	1078.2008

9

10

11

12

BL.

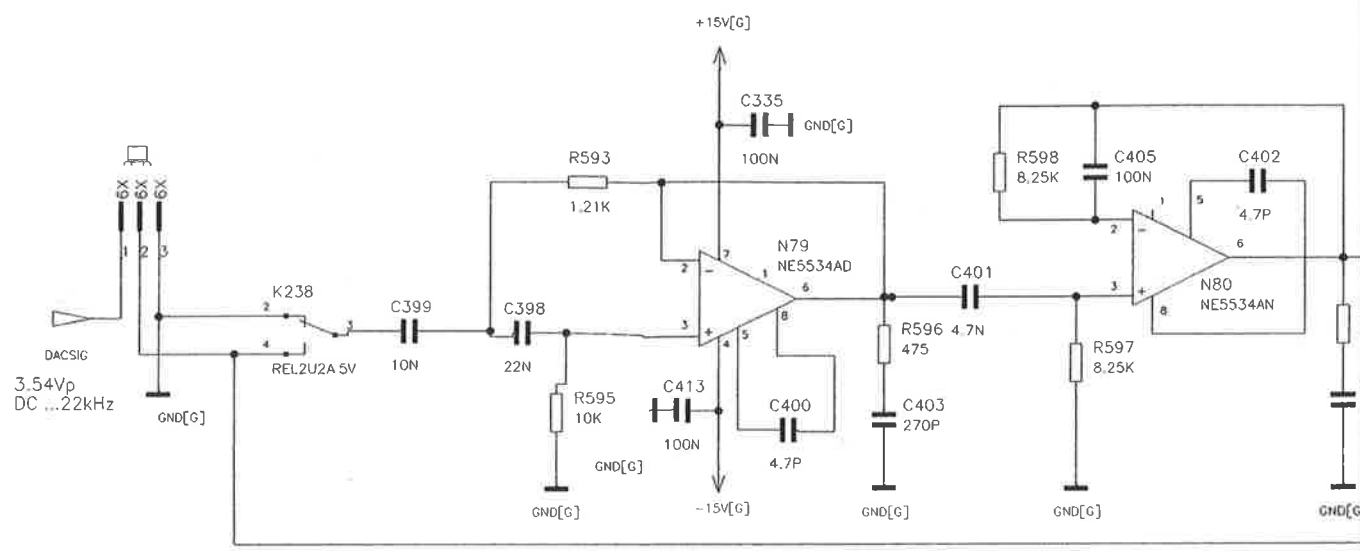




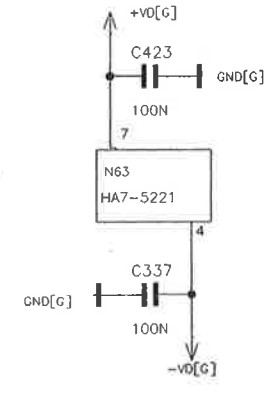
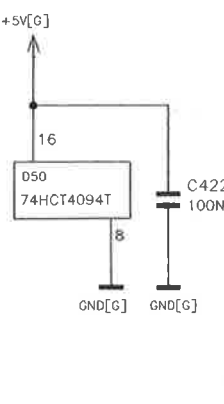
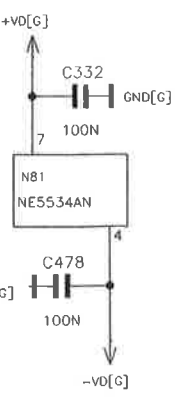
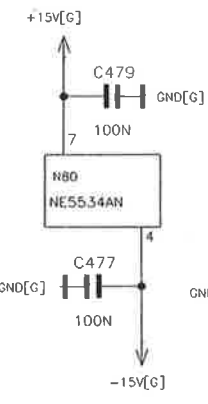
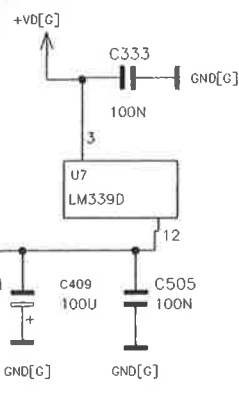
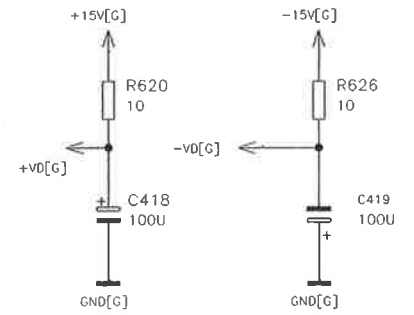
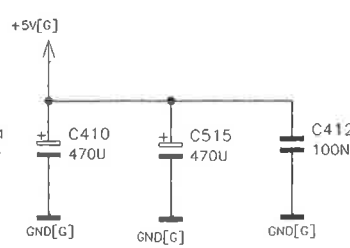
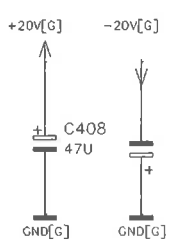
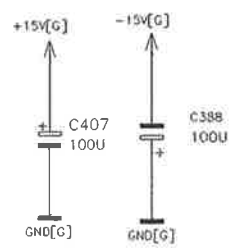
1 2 3 4

# HP DIFF

LOWDIST

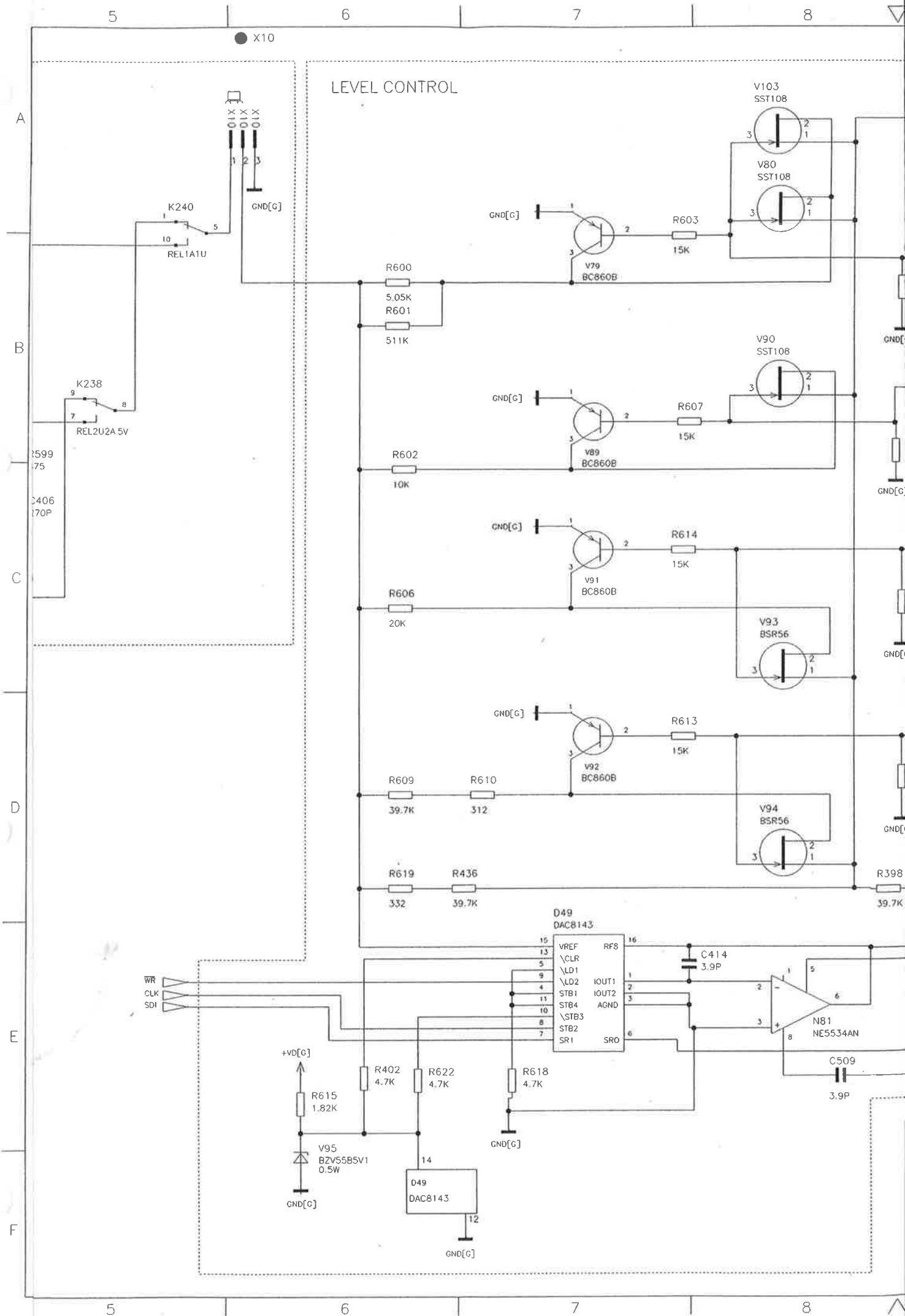


FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR

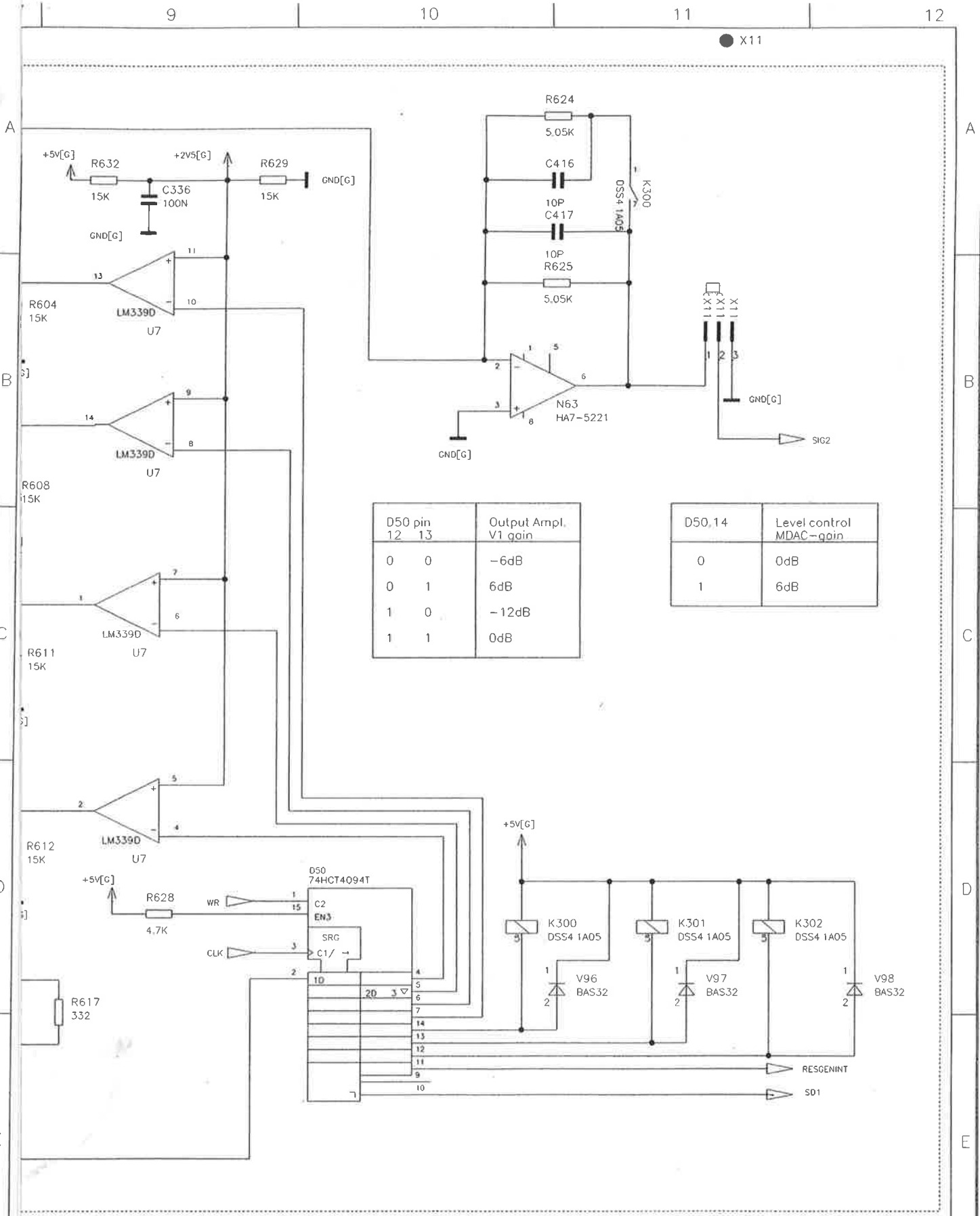


1 2 3 4

FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

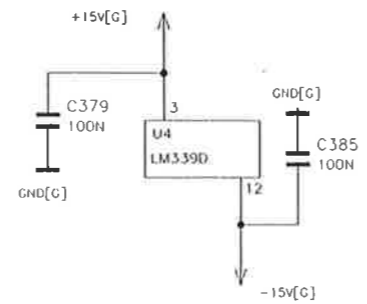
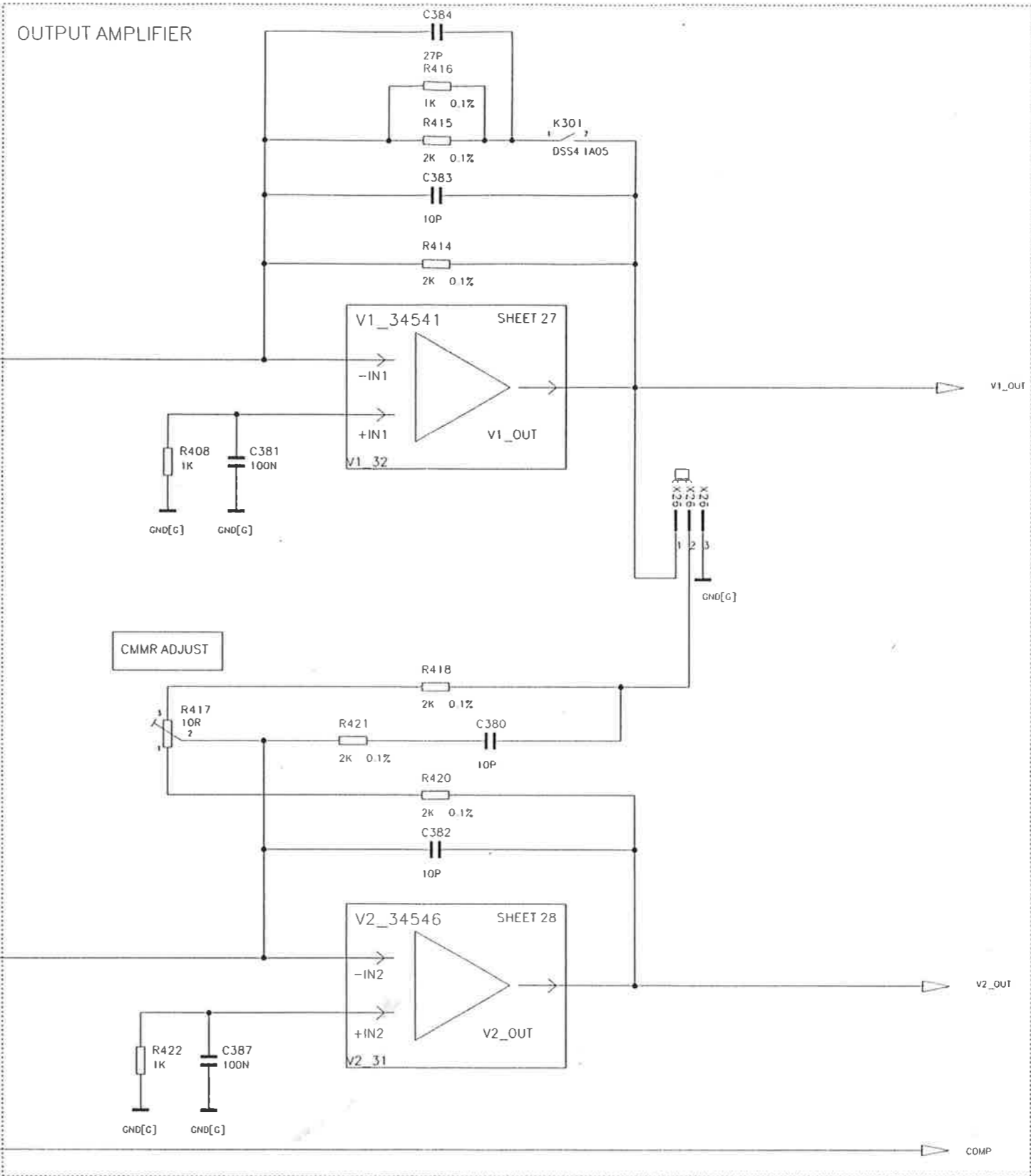
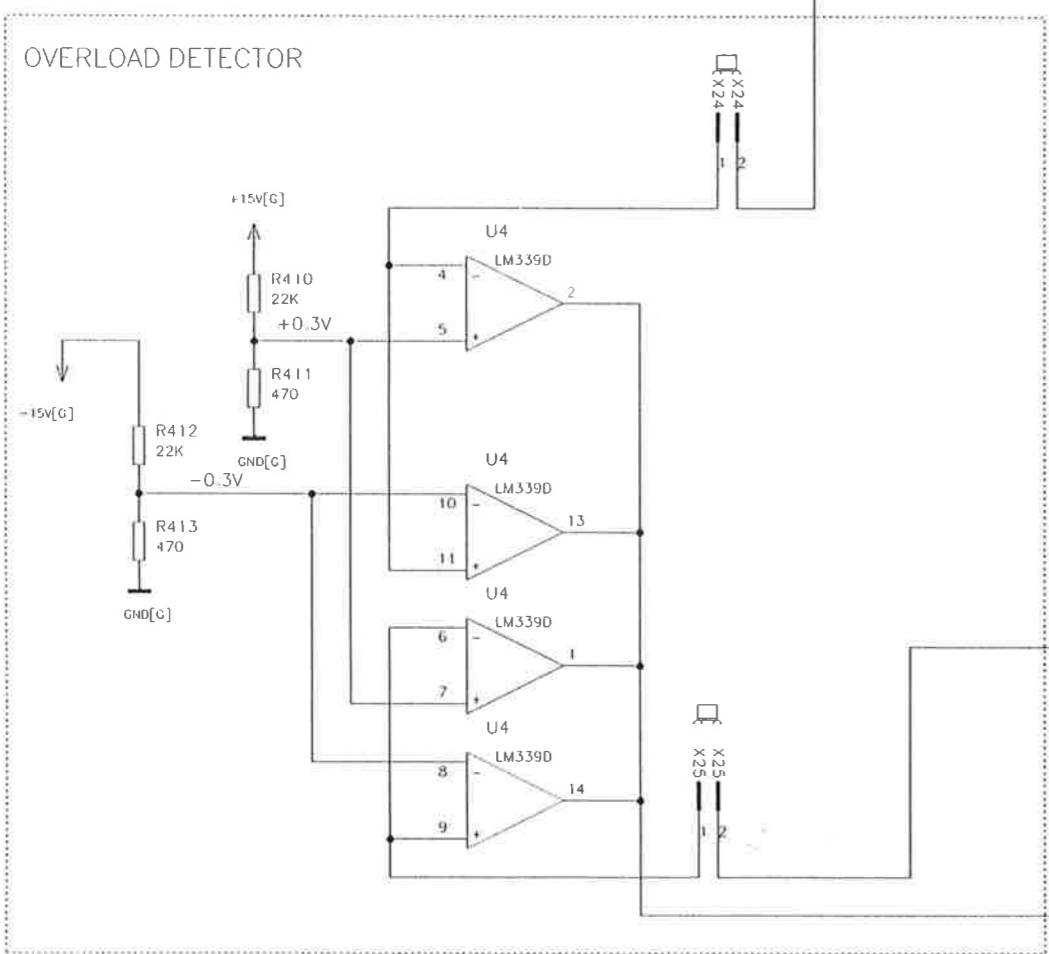


D50 pin	12	13	Output Ampl.	V1 gain
0	0		-6dB	
0	1		6dB	
1	0		-12dB	
1	1		0dB	

D50, 14	Level control	MDAC-gain
0		0dB
1		6dB

04/01	10.96	SR	1GPK	DATUM	NAME	BENENNUNG			
			BEARB.		SR	ANALOG_UNIT / GENERATOR			
			GEPR.			ANALOG_UNIT			
			NORM			TOP/GENERATOR_169/GENERATOR.6			
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.	1078.2908.01 S	BLATT-NR. 25 +	
			ROHDE&SCHWARZ					V. BL.	
AEND. IND.	AENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERAET	UPL	REG.I.V.	1078.2008	ERSTE Z.	1078.2008

BEHALTEN WIR UNS ALLE RECHTE VOR

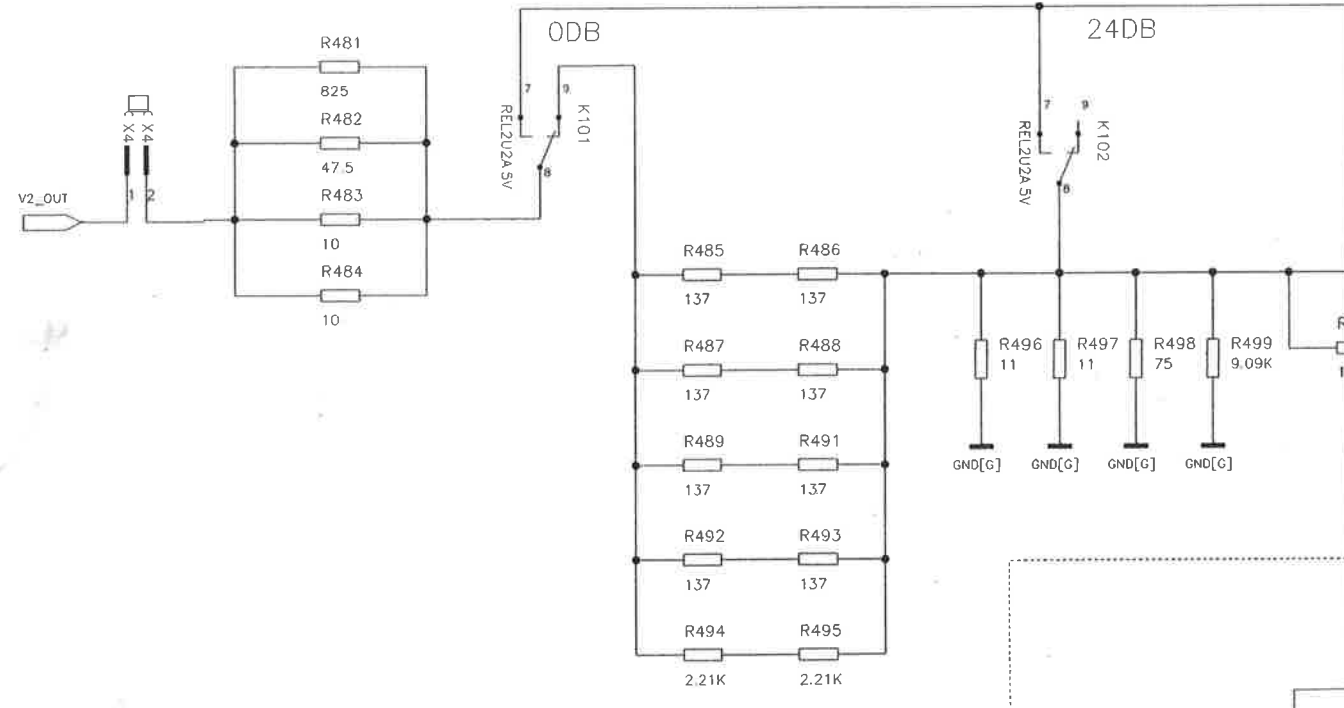
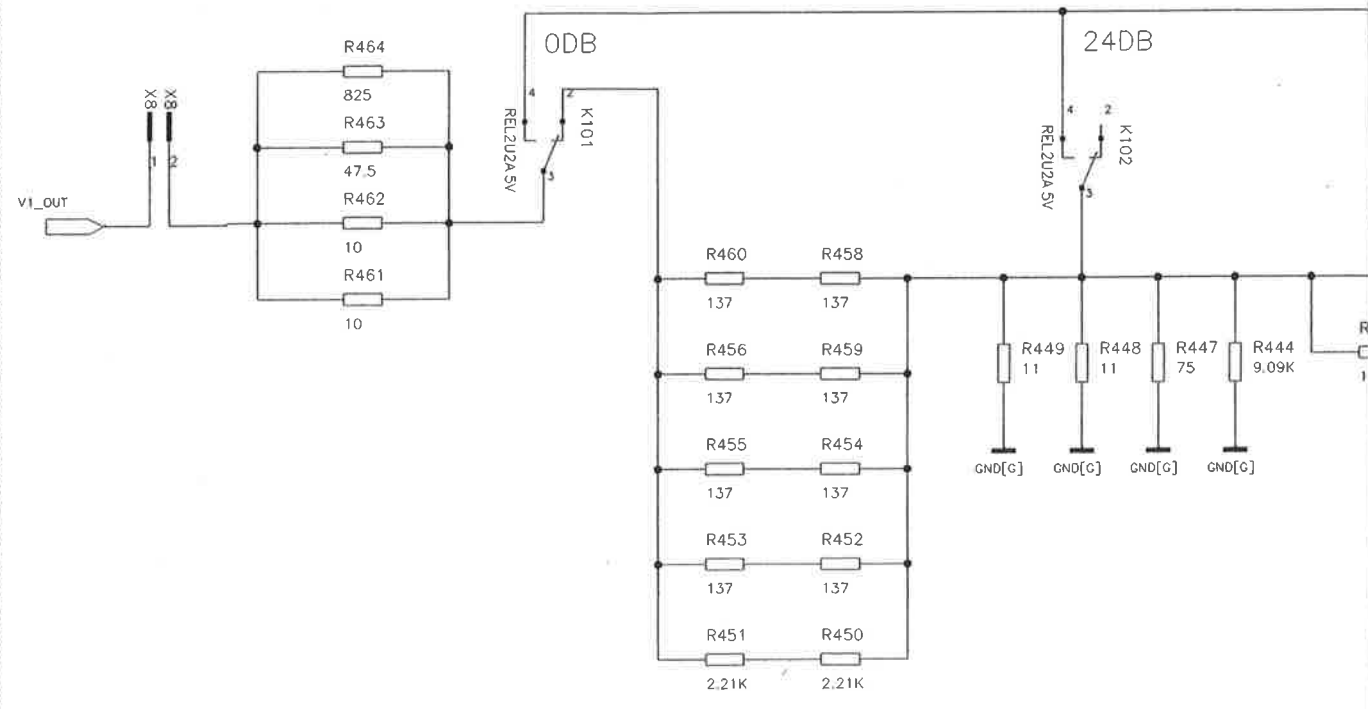


**ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

D4/0		10.96	SR	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		SR	ANALOG_UNIT / GENERATOR
				GEPR.			ANALOG_UNIT
				NORM			TOP/GENERATOR_169/GENERATOR:7
				PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
							1078.2908.01 S
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG. I. V.	1078.2008
						ERSTE Z.	1078.2008
							BLATT-NR. 26 +
							BL.

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

### OUTPUT ATTENUATOR



5 6 7 8

A

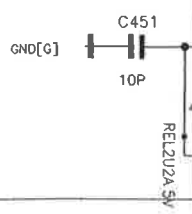
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C

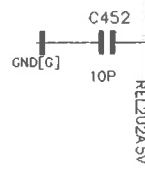
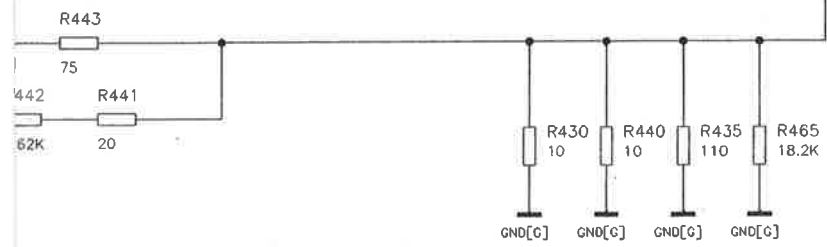
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E

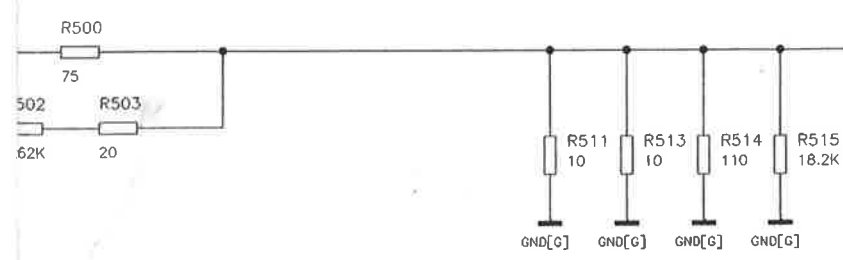
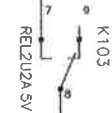
F



48DB



48DB



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR


**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

5 6 7 8

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11

12

X6  
X7

A

A

B

B

C

C

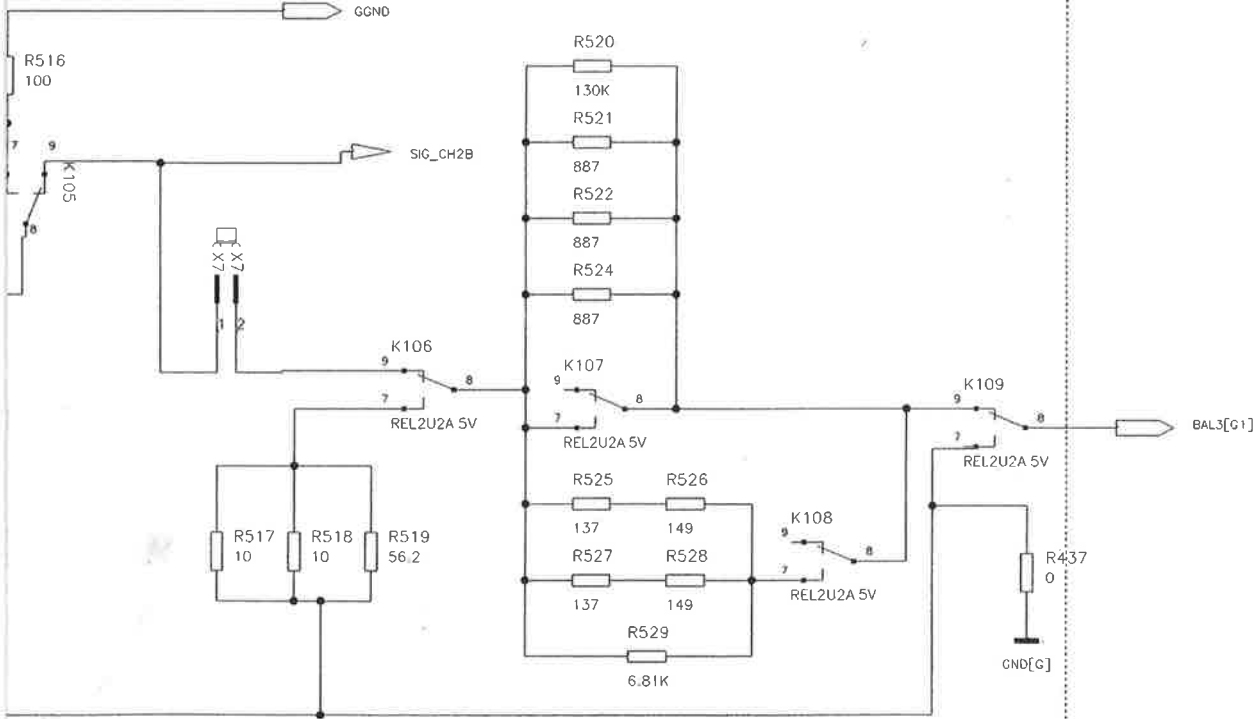
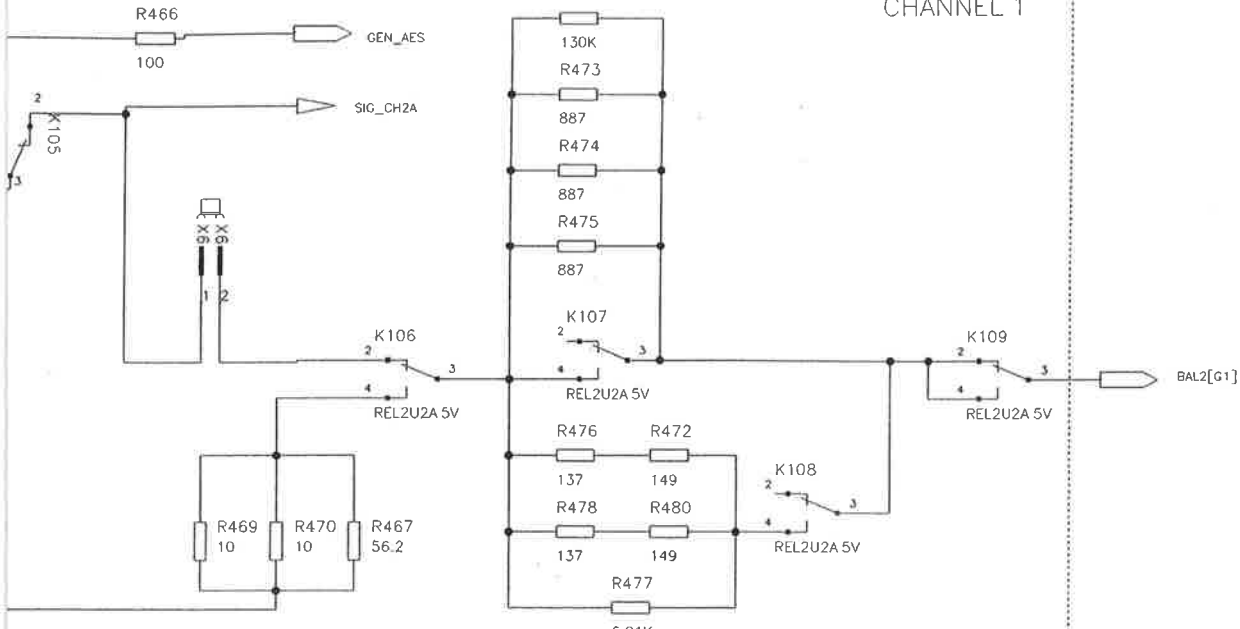
D

D

E

E

CHANNEL 1



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

10	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT / GENERATOR	
			GEPR.			ANALOG_UNIT	
			NORM			TOP/GENERATOR_169/GENERATOR.8	
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.	BLATT-NR.
			ROHDE&SCHWARZ			1078.2908.01 S	29 +
ID.	AENDERUNGS-	DATUM	NAME	ZU GERAET	UPL	REG.I.V.	BL
	MITTEILUNG					1078.2008	ERSTE Z. 1078.2008

9

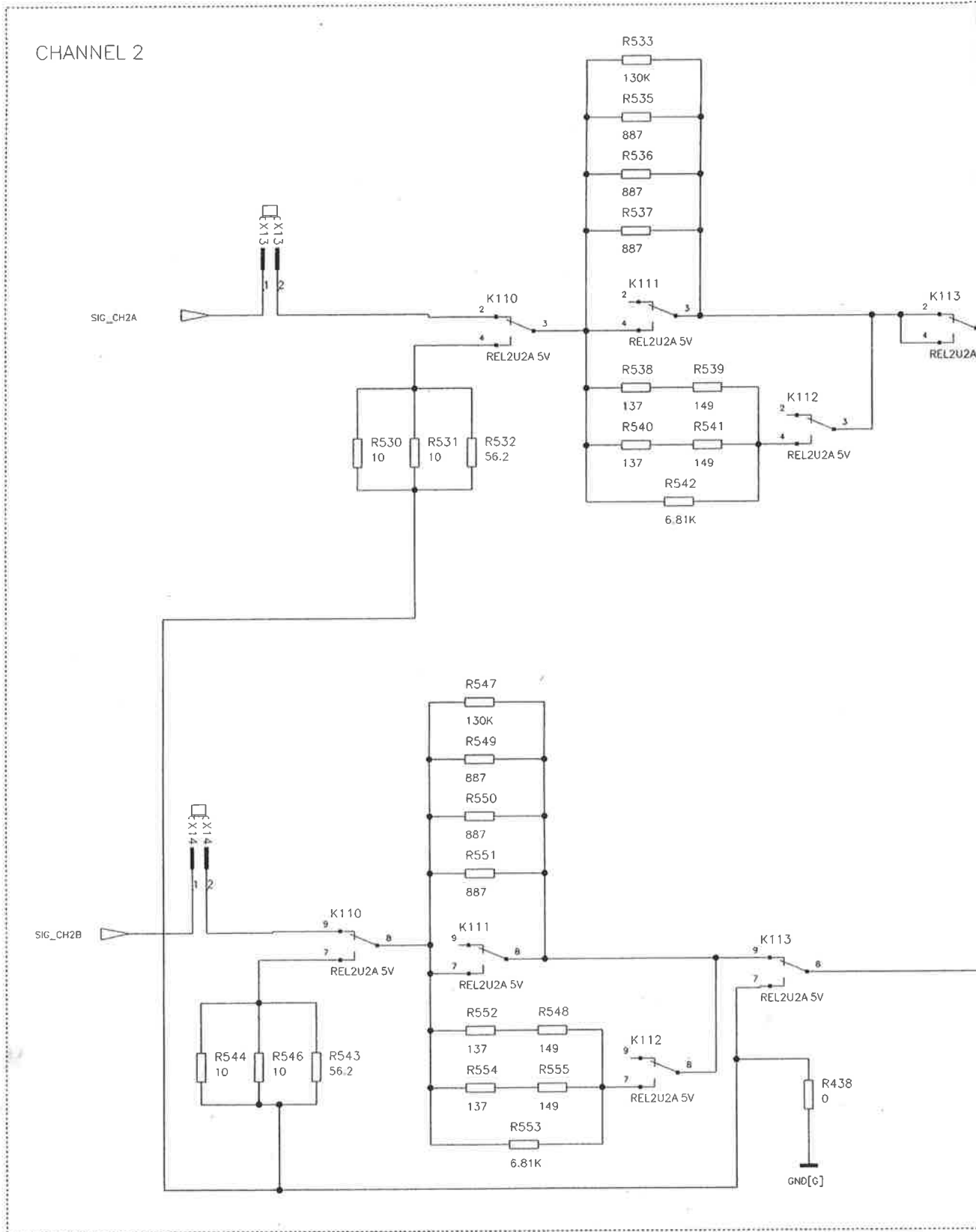
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11

12



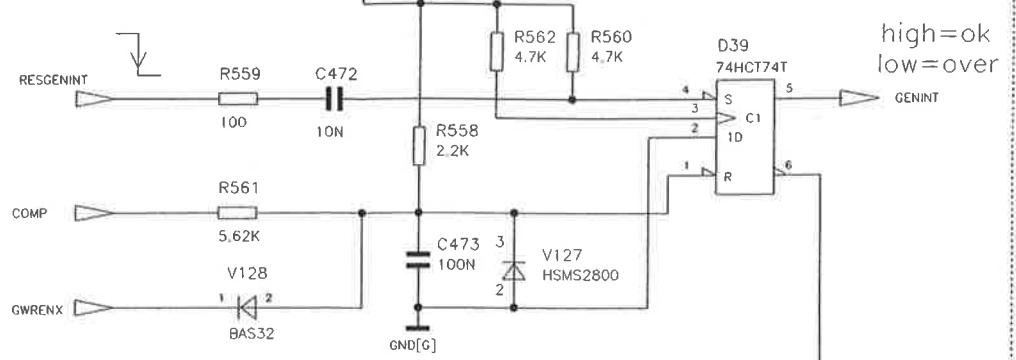
FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



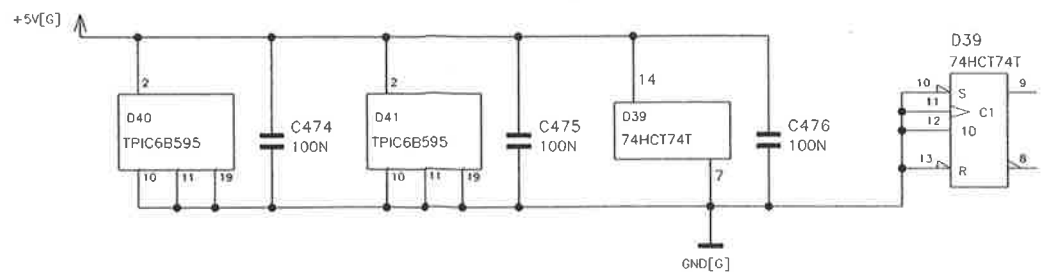
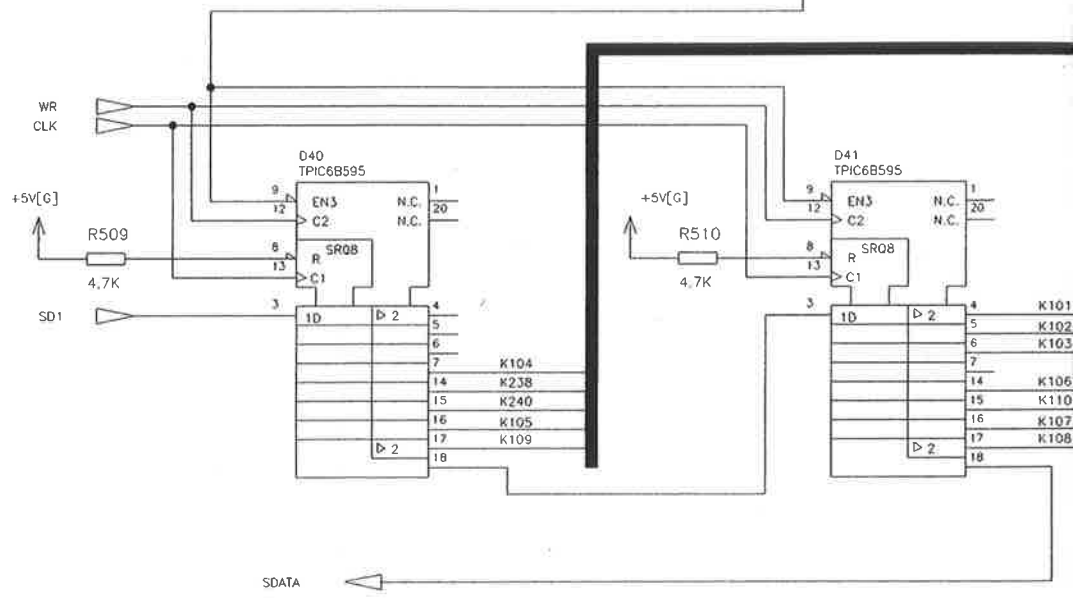
**ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

### OVERLOAD INTERRUPT +5V[G]

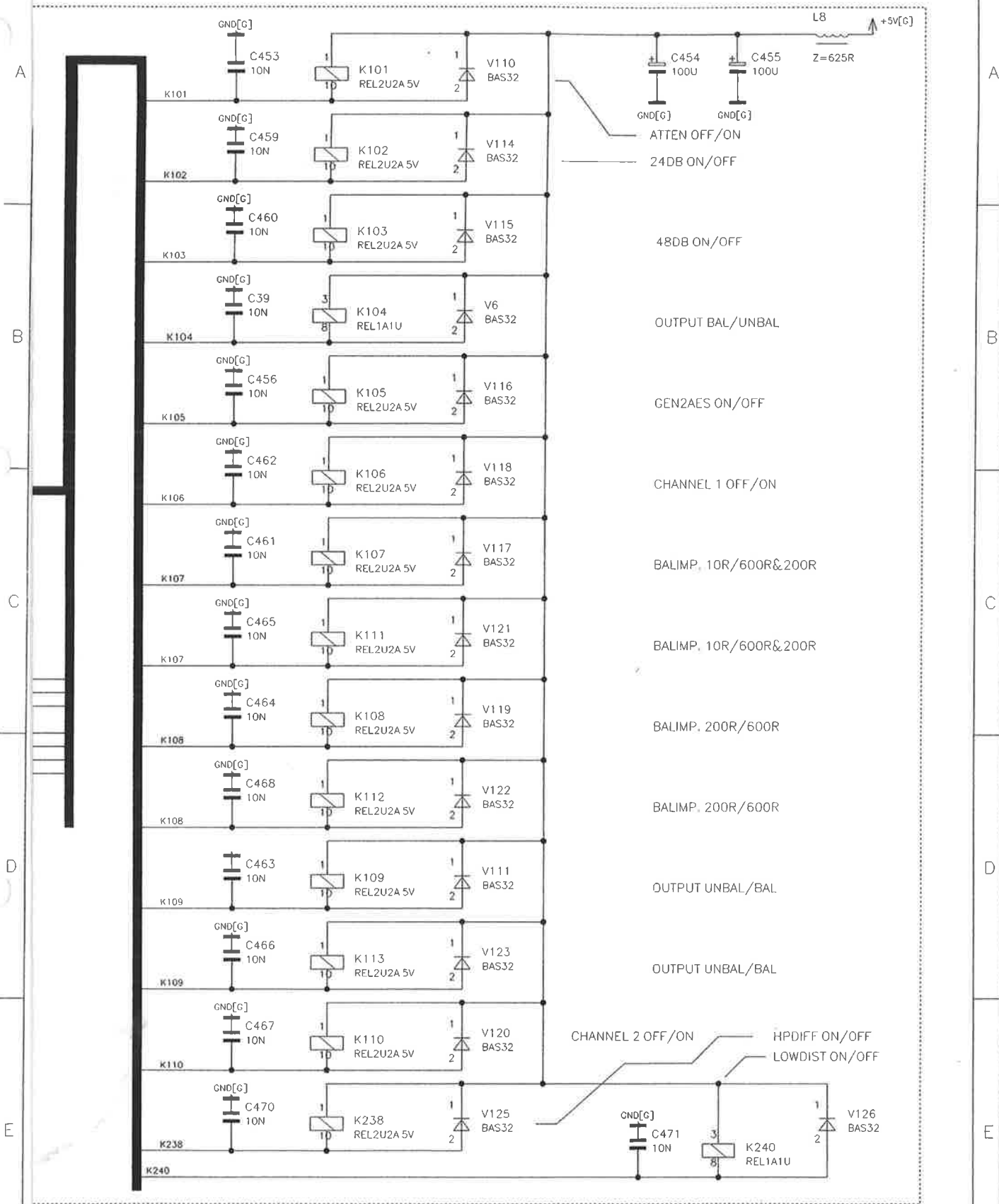


### RELAY CONTROL



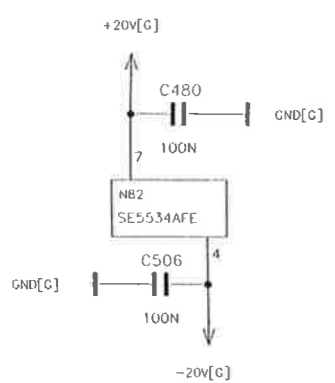
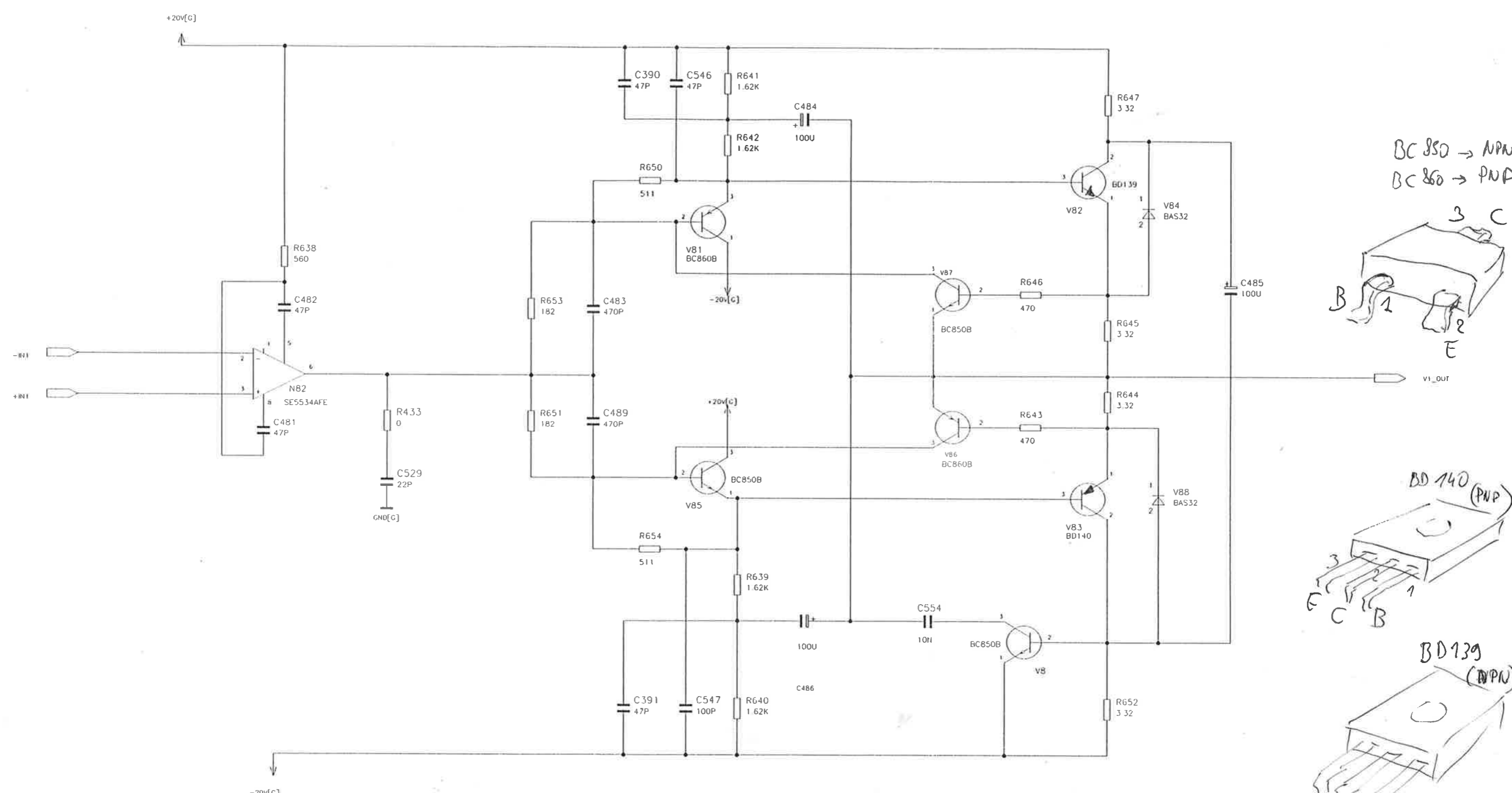
04/C  
AEN  
IND.

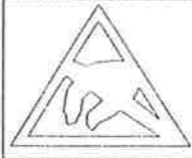
FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



2	10.96	SR	1GPK	DATUM	NAME	BENENNUNG	
			BEARB.		SR	ANALOG_UNIT / GENERATOR	
			GEPR.			ANALOG_UNIT	
			NORM				
			PLOTT	19.12.96	SBCHWAIGE	TOP/GENERATOR_169/GENERATOR.9	
			ROHDE&SCHWARZ			ZEICHN.-NR.	BLATT-NR.
						1078.2908.01 S	30 +
							V BL
AENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERAET	UPL	REG.IV.	1078.2008	ERSTE Z. 1078.2008.01

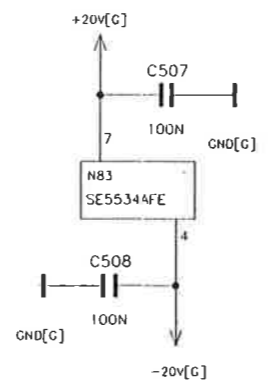
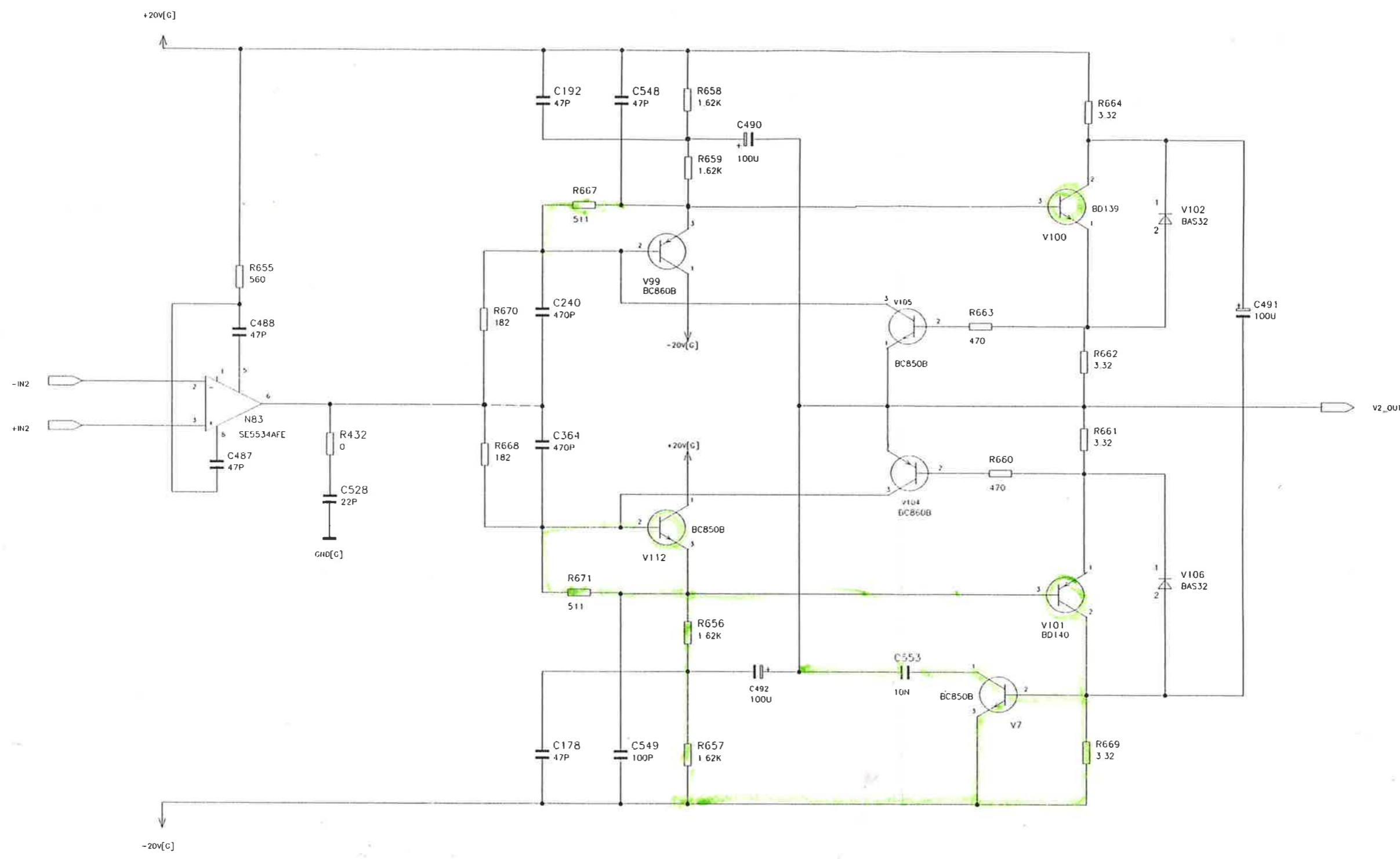
BEHALTEN WIR UNS ALLE RECHTE VOR




  
**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

04/0	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		SR	ANALOG_UNIT / GENERATOR
			GEPR.			ANALOG_UNIT
			NORM			TOP/GENERATOR_169/v1_32/v1.1
			PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
			ROHDE&SCHWARZ			1078.2908.01 S
AEND. IND.	AENDERUNGS-- MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG I.V. 1078.2008
						ERSTE Z. 1078.2008
						BLATT-NR 27 +
						BL

BEHALTEN WIR UNS ALLE RECHTE VOR

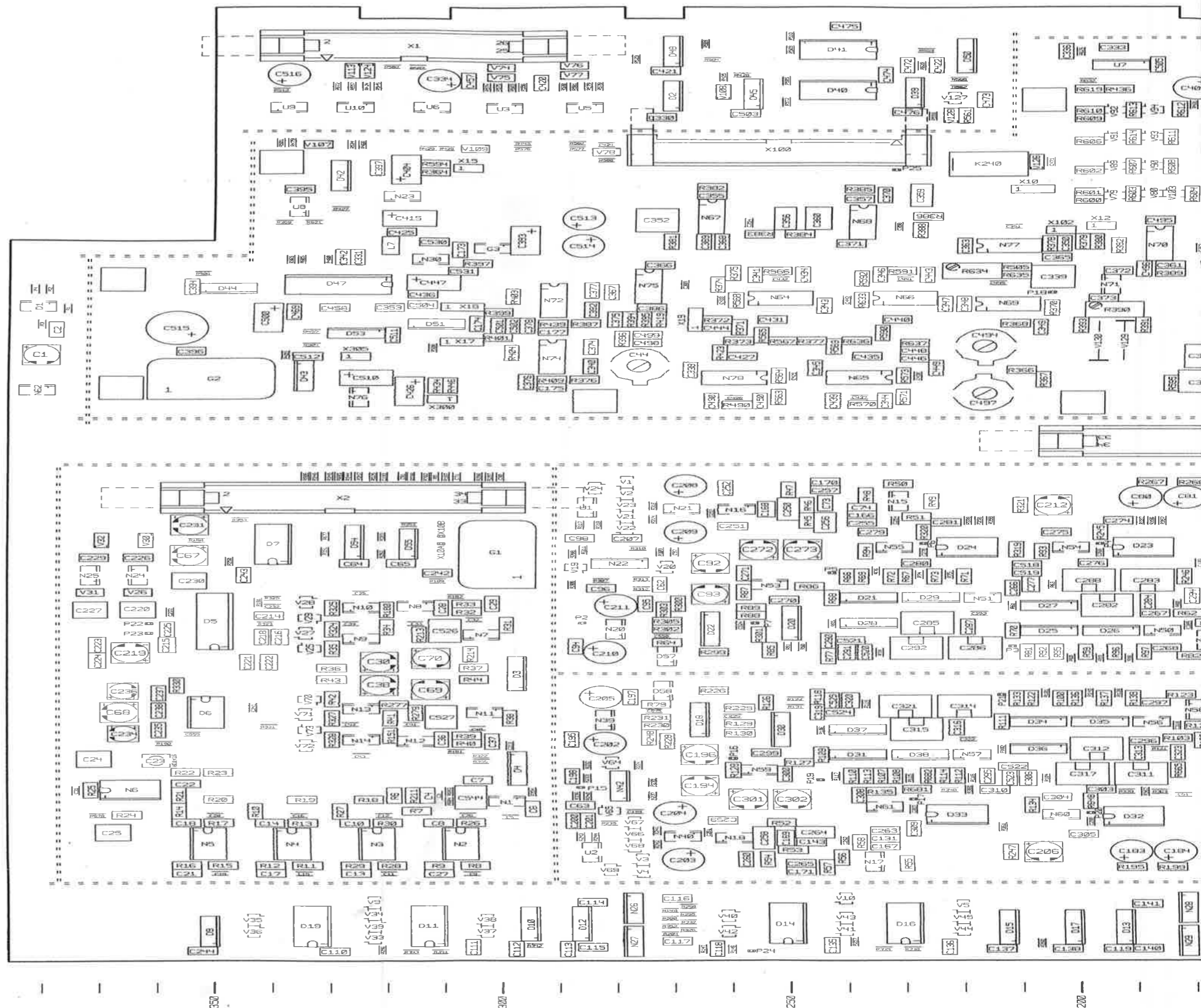


**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

04/0		10.96	SR	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		SR	ANALOG_UNIT / GENERATOR
				GEPR.			ANALOG_UNIT
				NORM			TOP/GENERATOR_169/V2_31/V2.1
				PLOTT	21.10.96	SBCHWAIGE	ZEICHN.-NR.
							1078.2908.01 S
							BLATT-NR.
							28 +
							BL
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG I.V.	1078.2008
						ERSTE Z.	1078.2008

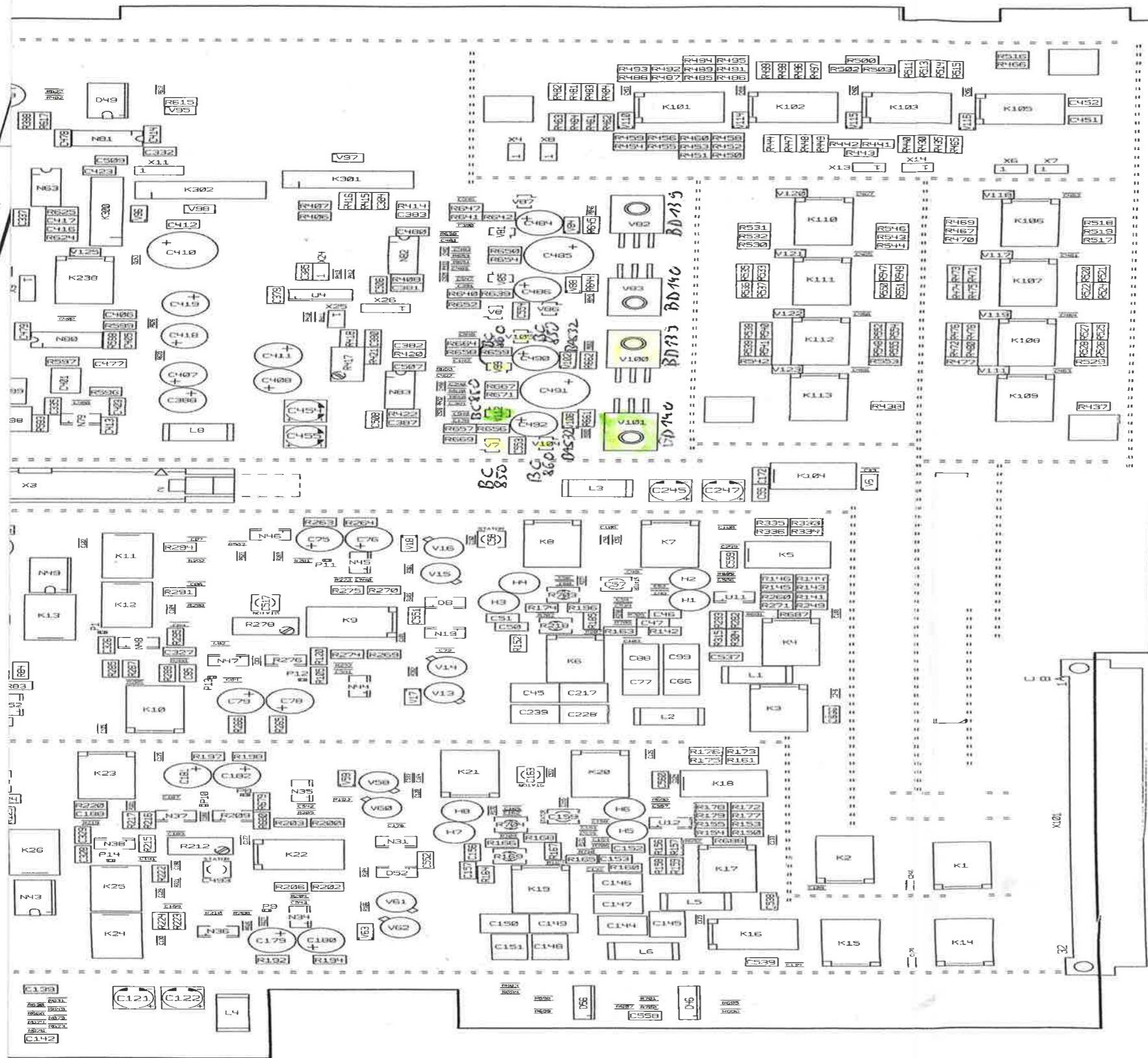


FÜR DIESE UNIVERSITÄT  
BEHALTEN WIR UNS ALLE RECHTE VOR



DARSTELLUNG SEITE B  
VIEW ON SIDE B

HIER DIESE UNTERHALT  
BEHALTEN WIR UNS ALLE RECHTE VOR



**ACHTUNG! ESD!**  
 ESD SCHÜTZEN! ESD SCHÜTZEN!  
 ELEKTROSTATISCHE ENTWEDUNG!  
 ELEKTROSTATISCHE ENTWEDUNG!  
**ATTENTION ESD!**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

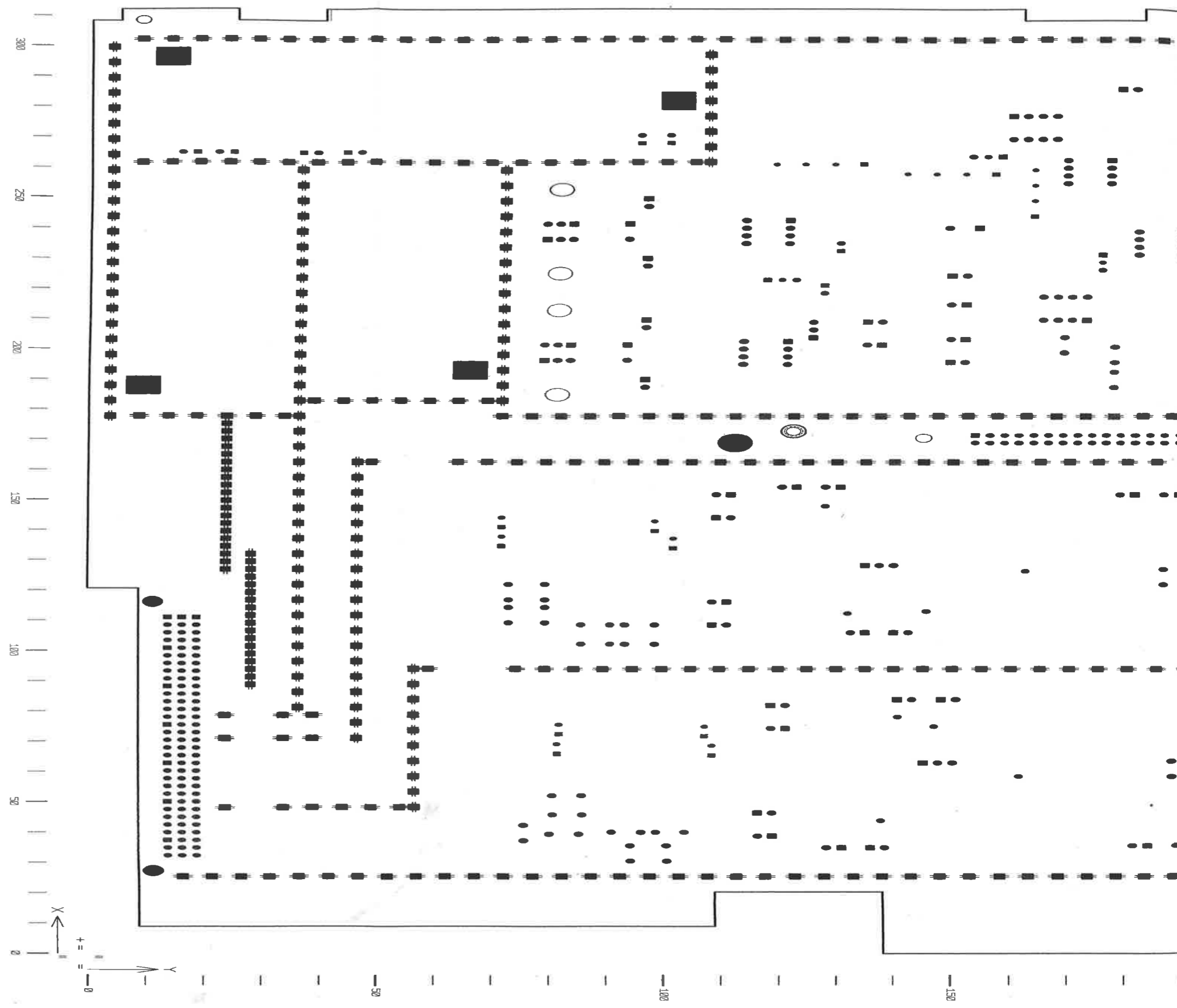
DINDENGE ANGABEN UEBER VARIANTEN,  
 TRIFFMERTE, BAUTEILMERTE UND  
 NICHT BESTUECKTE BAUTEILE SEHEN SA.  
 FOR BINDING INFORMATION ON MODELS,  
 TRIPPING AND COMPONENTS VALUES AND  
 NONFITTED COMPONENTS SEE PARTS LIST.

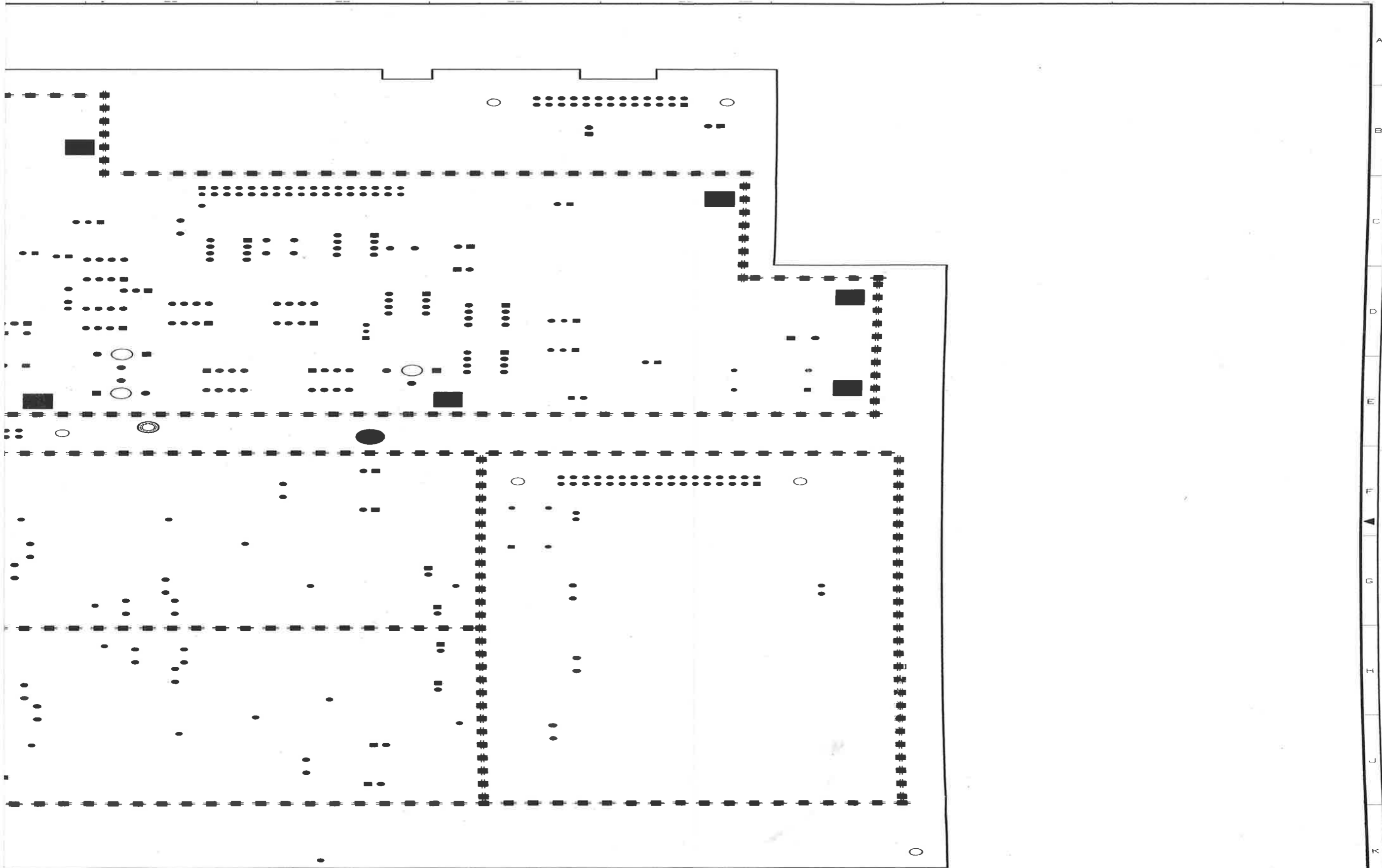
NO.	10.06	SR	1GPK	DATUM	NAME	BENENNUNG
AEND.IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ROHDE & SCHWARZ		
BEAMT. GEPR. NDRM FLOTT 21.10.00 SCHWAIGE ZEICHN.-NR. 1078.2908.01 D REG.-V. 1078.2008 ERSTE Z. 1078.2008						
						BLATT-NR. 1+



FÜR DIESE UNTERLAGEN  
BEHALTEN NUR DAS ALLE RECHTE VOR

DARSTELLUNG SEITE A  
VIEW ON SIDE A





A  
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200 250 300 350



**ACHTUNG! EGG!**  
ELEKTROSTATISCH GEFÄHRLICHE  
HAARSTÄTTE! BEWEGEN SICH  
BESONDERE UMFORMUNG!  
**ATTENTION EGG!**  
ELECTROSTATIC DANGEROUS DEVICES  
REQUIRE A SPECIAL HANDLING!

BEZÜGLICHE ANGABEN ÜBER VARIANTEN,  
TRIPFWERTE, BAUTEILNUMMERN UND  
NICHT BESTÜCKTE BAUTEILE SIEHE SA!  
FOR BINDING INFORMATION ON MODELS,  
TRIPPING AND COMPONENTS VALUES AND  
NON-FITTED COMPONENTS SEE PARTS LIST.

01/01	10.00	SR	TOPK	DATUM	NAME	BENENNUNG	BLATT-NR.
			BEARB.		SR	ANALOG_UNIT	2-
			GEPR.		SR	ANALOG_UNIT	
			NORM				
			PLOTT	21.10.00	SCHWALGE		
						ZEICHN.-NR.	
						1078.2908.01 D	
						REG. V. 1078.2008	
						ERSTE Z. 1078.2008	
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ROHDE & SCHWARZ ZU GERÄT UPL			V. BL.

10 11 12 13 14 15 16 17



## **XY-Liste**

## **XY List**

### **Erklärung der Spaltenbezeichnungen:**

- Part:** Bauelement-Kennzeichen.
- Side:** Leiterplatten-Seite, auf der sich das Bauelement befindet.
- X/Y:** Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
- SQR, PG:** Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

### **Explanation of column designations:**

- Part:** Identification of instrument part.
- Side:** Side of the PC board on which instrument part is positioned.
- X/Y:** Coordinates (millimeter) of the component on the PC board in reference to zero point.
- SQR, PG:** Square and page of the diagram for the respective instrument part.

Service-Relevante Bauteile / Service-Relevant Components

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C23	B	65	358	8B	17	R417	B	204	126	5C	26	X100	B	266	232	6B	20
C57	B	141	81	6C	4	R634	B	226	222	2B	24	X100	B	266	232	6B	20
C58	B	157	104	7D	4	X1	B	298	331	4E	1	X100	B	266	232	6B	20
C159	B	72	95	6C	9	X2	B	150	348	6E	1	X100	B	266	232	6C	20
C163	B	82	97	7E	9	X3	B	171	155	1E	1	X100	B	266	232	6C	20
C494	B	201	222	10B	23	X4	B	268	101	1D	29	X100	B	266	232	6C	20
C497	B	186	211	9B	23	X6	B	265	25	9B	29	X100	B	266	232	6C	20
P1	B	126	164	8D	5	X7	B	265	18	9D	29	X100	B	266	232	6C	20
P2	B	110	286	7B	6	X8	B	268	96	1B	29	X100	B	266	232	6C	20
P3	B	103	211	3D	8	X9	B	231	177	1B	25	X100	B	266	232	6C	20
P4	B	137	196	4D	8	X10	B	253	211	5A	25	X100	B	266	232	6C	20
P6	B	137	227	7D	8	X10A	B	253	211	5D	14	X100	B	266	232	6C	20
P7	B	110	256	11C	8	X10B	B	253	211	5D	14	X100	B	266	232	6C	20
P8	B	78	142	4B	10	X11	B	264	159	11B	25	X100	B	266	232	6D	20
P9	B	44	138	4D	10	X12	B	241	198	6C	24	X100	B	266	232	6D	20
P10	B	75	148	6C	10	X13	B	265	44	2B	30	X100	B	266	232	6D	20
P11	B	148	129	4D	5	X14	B	265	37	2D	30	X100	B	266	232	6D	20
P12	B	112	133	4B	5	X15	B	260	308	8B	21	X100	B	266	232	6D	20
P13	B	113	147	6C	5	X17	B	203	310	1C	22	X100	B	266	232	6D	20
P15	B	57	286	7B	11	X18	B	214	310	1D	22	X100	B	266	232	6D	20
P16	B	66	260	11C	13	X19	B	208	267	7C	22	X100	B	266	232	6D	20
P17	B	53	229	7D	13	X26	B	223	118	6C	26	X100	B	266	232	6D	20
P18	B	219	205	11A	23	X100	B	266	232	6E	20	X100	B	266	232	6D	20
R169	B	59	103	4D	9	X100	B	266	232	6B	20	X100	B	266	232	6E	20
R212	B	63	146	5C	10	X100	B	266	232	6B	20	X100	B	266	232	6E	20
R218	B	127	96	4D	4	X100	B	266	232	6B	20	X101	B	111	14	2B	1
R278	B	128	136	5C	5	X100	B	266	232	6B	20	X102	B	239	205	4A	24
R390	B	213	197	5D	24	X100	B	266	232	6B	20	X300	B	184	309	1B	21

Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C1	B	201	380	3E	1	C20	B	48	351	6C	17	C40	B	76	303	2B	16
C2	B	205	378	3E	1	C21	B	29	357	6D	17	C41	B	77	316	3C	16
C3	B	53	311	2A	17	C22	B	58	357	6B	17	C42	B	77	326	4C	16
C4	B	52	313	2A	17	C24	B	66	368	8D	17	C43	B	67	324	4B	16
C5	B	47	298	2B	17	C25	B	42	365	8E	17	C44	B	195	281	5C	22
C6	B	51	295	2A	17	C26	B	48	307	2C	17	C45	B	109	94	4D	4
C7	B	59	303	2B	17	C27	B	29	313	2D	17	C46	B	132	75	5A	4
C8	B	45	313	2B	17	C28	B	114	311	2B	15	C47	B	130	77	5B	4
C9	B	28	305	2C	17	C29	B	115	302	2C	15	C48	B	138	78	5B	4
C10	B	45	327	3B	17	C30	B	98	324	2D	15	C49	B	145	82	5D	4
C11	B	28	319	3C	17	C31	B	55	374	8A	17	C50	B	128	99	5D	4
C12	B	48	321	4C	17	C32	B	112	306	2B	15	C51	B	131	100	5D	4
C13	B	29	327	3D	17	C33	B	110	314	3C	15	C52	B	140	78	6B	4
C14	B	45	342	5B	17	C34	B	110	327	4C	15	C53	B	155	84	7B	4
C15	B	28	334	5C	17	C35	B	121	325	4B	15	C54	B	136	84	6C	4
C16	B	48	336	5C	17	C36	B	74	311	2B	16	C55	B	167	62	7E	30
C17	B	29	342	5D	17	C37	B	73	302	2C	16	C56	B	143	93	6C	4
C18	B	45	357	6B	17	C38	B	90	324	2D	16	C59	B	155	86	7A	4
C19	B	28	349	6C	17	C39	B	175	44	9B	30	C60	B	141	93	6C	4

ROHDE & SCHWARZ	-I	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	04	19.07.96	ED ANALOG_UNIT ANALOG_UNIT	1078.2908.01 XY	1+



Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C61	B	54	181	8A	19	C116	B	20	268	7E	18	C173	B	231	308	9A	21
C62	B	122	272	6D	6	C117	B	6	268	7E	18	C174	B	207	305	2C	22
C63	B	51	288	6D	11	C118	B	2	263	3F	18	C175	B	188	293	4B	22
C64	B	130	327	4F	14	C119	B	4	195	6E	19	C176	B	69	119	2C	10
C65	B	130	319	5F	14	C120	B	29	38	3A	19	C177	B	206	293	4C	22
C66	B	109	74	4B	4	C121	B	15	159	2A	19	C178	B	190	108	4D	28
C67	B	133	352	7A	14	C122	B	15	152	2A	19	C179	B	35	137	1F	10
C68	B	81	364	5E	14	C123	B	42	71	3A	19	C180	B	35	131	1F	10
C69	B	86	312	2D	16	C124	B	82	75	4A	19	C181	B	84	149	2F	10
C70	B	102	312	2D	15	C125	B	89	155	7A	19	C182	B	84	142	2F	10
C71	B	158	308	6E	10	C126	B	90	78	5A	19	C183	B	36	192	3F	10
C72	B	121	110	2C	5	C127	B	65	142	6A	19	C184	B	36	185	3F	10
C73	B	148	244	2B	7	C128	B	79	115	6A	19	C185	B	67	152	5D	10
C74	B	149	239	2B	7	C129	B	50	155	7A	19	C186	B	71	148	5C	10
C75	B	154	131	1F	5	C130	B	36	155	7A	19	C187	B	77	154	5C	10
C76	B	154	124	1F	5	C131	B	40	232	1B	12	C188	B	72	164	7D	10
C77	B	109	80	4A	4	C132	B	56	88	5A	19	C189	B	45	152	7B	10
C78	B	106	136	2F	5	C133	B	64	60	4A	19	C190	B	58	152	7C	10
C79	B	106	141	2F	5	C134	B	28	56	3A	19	C191	B	59	156	7B	10
C80	B	152	191	3F	5	C135	B	7	243	2E	19	C192	B	208	109	4A	28
C81	B	152	183	3F	5	C136	B	6	223	3E	19	C193	B	158	321	3A	11
C82	B	123	145	5D	5	C137	B	4	216	4E	19	C194	B	54	265	4B	11
C83	B	119	140	5C	5	C138	B	4	204	5E	19	C195	B	74	288	7A	11
C84	B	112	143	5C	5	C139	B	20	172	7E	19	C196	B	70	265	4B	11
C85	B	116	150	7D	5	C140	B	4	187	7E	19	C197	B	85	277	7B	11
C86	B	141	149	7C	5	C141	B	18	187	6E	19	C198	B	62	288	8D	11
C87	B	154	149	7B	5	C142	B	6	172	8E	19	C199	B	49	278	7D	11
C88	B	117	80	4A	4	C143	B	39	248	2B	12	C200	B	44	288	5E	11
C89	B	129	151	7B	5	C144	B	39	81	4B	9	C201	B	44	285	5E	11
C90	B	158	300	6E	5	C145	B	42	76	4A	9	C202	B	72	282	1F	11
C91	B	158	317	3A	6	C146	B	52	81	4A	9	C203	B	33	267	3E	11
C92	B	133	264	4B	6	C147	B	46	81	4B	9	C204	B	48	269	3F	11
C93	B	117	264	4B	6	C148	B	30	95	4D	9	C205	B	88	283	2F	11
C94	B	104	287	7A	6	C149	B	40	91	4D	9	C206	B	38	206	2F	11
C95	B	115	275	7B	6	C150	B	40	99	4D	9	C207	B	138	280	5E	6
C96	B	122	284	7D	6	C151	B	36	101	4D	9	C208	B	156	269	3E	6
C97	B	133	270	7D	6	C152	B	62	80	5B	9	C209	B	140	269	3F	6
C98	B	138	285	5E	6	C153	B	59	83	5B	9	C210	B	102	282	1F	6
C99	B	117	74	4B	4	C154	B	65	86	5B	9	C211	B	117	280	2F	6
C100	B	158	67	5A	18	C155	B	77	92	5D	9	C212	B	146	204	2F	6
C101	B	126	117	6A	18	C156	B	63	106	5D	9	C213	B	70	298	2C	14
C102	B	152	167	7A	18	C157	B	57	107	5D	9	C214	B	113	342	6A	14
C103	B	131	179	8A	18	C158	B	70	86	6B	9	C215	B	102	358	6A	14
C104	B	134	153	7A	18	C160	B	155	107	7D	4	C216	B	104	338	6B	14
C105	B	98	164	6A	18	C161	B	68	89	6C	9	C217	B	109	86	4D	4
C106	B	158	86	6A	18	C162	B	73	99	6C	9	C218	B	104	342	5B	14
C107	B	124	82	5A	18	C164	B	82	115	7B	9	C219	B	98	364	5A	14
C108	B	132	49	4A	18	C165	B	74	99	6C	9	C220	B	115	366	5A	14
C109	B	51	53	3A	18	C166	B	146	239	2B	7	C221	B	99	344	5B	14
C110	B	3	328	3E	18	C167	B	37	232	2B	12	C222	B	99	340	6B	14
C111	B	6	305	4E	18	C168	B	146	254	2A	7	C223	B	105	370	6B	14
C112	B	5	298	5E	18	C169	B	42	251	2A	12	C224	B	97	370	5B	14
C113	B	5	289	6E	18	C170	B	157	245	3C	7	C225	B	110	358	5B	14
C114	B	19	283	6E	18	C171	B	29	250	3C	12	C226	B	132	362	3A	14
C115	B	4	283	7E	18	C172	B	172	62	7E	30	C227	B	115	369	5C	14

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C228	B	102	86	4D	4	C283	B	122	188	5B	8	C338	B	192	267	2F	23
C229	B	132	369	3C	14	C284	B	119	188	5B	8	C339	B	222	205	2B	24
C230	B	124	351	7A	14	C285	B	108	226	8B	8	C340	B	193	285	4B	22
C231	B	143	352	8A	14	C286	B	105	218	8B	8	C341	B	223	257	2E	23
C232	B	116	340	7B	14	C287	B	108	219	8B	8	C342	B	232	328	10C	21
C233	B	113	358	7C	14	C288	B	122	198	5B	8	C343	B	216	244	2F	23
C234	B	74	363	5D	14	C289	B	109	181	5C	8	C344	B	185	234	3E	23
C235	B	77	360	4D	14	C290	B	106	243	8A	8	C345	B	193	246	3F	23
C236	B	88	368	5D	14	C291	B	103	240	8B	8	C346	B	223	235	4E	23
C237	B	86	360	4D	14	C292	B	105	228	8B	8	C347	B	217	224	4F	23
C238	B	83	360	5E	14	C293	B	114	216	8C	8	C348	B	217	220	4E	23
C239	B	102	94	4D	4	C294	B	118	180	5C	8	C349	B	206	207	4F	23
C240	B	201	109	4B	28	C295	B	62	216	5A	13	C350	B	233	203	3A	24
C241	B	82	343	6E	14	C296	B	72	187	5C	13	C351	B	241	213	3B	24
C242	B	127	310	4D	14	C297	B	84	188	5C	13	C352	B	243	271	2C	24
C243	B	128	345	3F	14	C298	B	46	198	4D	13	C353	B	214	318	9D	21
C244	B	3	354	2E	18	C299	B	68	256	11B	13	C354	B	241	258	3C	24
C245	B	166	76	2A	18	C300	B	59	251	11C	13	C355	B	251	266	3C	24
C246	B	52	38	2A	18	C301	B	55	257	10C	13	C356	B	246	251	4C	24
C247	B	166	67	2A	18	C302	B	55	250	10C	13	C357	B	250	237	4C	24
C248	B	109	50	3A	18	C303	B	56	195	4F	13	C358	B	240	232	5C	24
C249	B	152	65	4A	18	C304	B	53	202	5D	13	C359	B	248	228	6C	24
C250	B	145	250	3A	7	C305	B	41	201	5E	13	C360	B	241	246	5C	24
C251	B	142	258	3A	7	C306	B	61	209	5B	13	C361	B	228	186	7C	24
C252	B	153	261	3B	7	C307	B	50	229	7D	13	C362	B	233	180	7C	24
C253	B	147	264	3B	7	C308	B	52	238	8D	13	C363	B	236	220	1E	24
C254	B	145	232	2D	7	C309	B	45	229	8E	13	C364	B	195	110	4C	28
C255	B	144	239	1B	7	C310	B	56	216	7F	13	C365	B	231	203	1F	24
C256	B	146	244	2B	7	C311	B	64	189	5B	13	C366	B	228	271	2E	22
C257	B	154	245	3C	7	C312	B	67	197	5B	13	C367	B	221	281	2F	22
C258	B	43	255	3A	12	C313	B	66	190	5B	13	C368	B	237	262	2E	24
C259	B	46	260	3A	12	C314	B	81	220	8B	13	C369	B	234	265	2F	24
C260	B	35	258	3B	12	C315	B	78	228	8B	13	C370	B	249	234	2E	24
C261	B	43	264	3B	12	C316	B	78	221	8B	13	C371	B	235	238	2F	24
C262	B	39	241	2D	12	C317	B	64	199	5B	13	C372	B	226	192	3E	24
C263	B	43	232	1B	12	C318	B	76	183	5C	13	C373	B	217	195	3F	24
C264	B	42	248	2B	12	C319	B	80	245	8A	13	C374	B	200	285	4E	22
C265	B	32	250	3C	12	C320	B	83	239	8B	13	C375	B	212	281	6C	22
C266	B	120	211	5A	8	C321	B	81	230	8B	13	C376	B	188	296	4F	22
C267	B	114	185	5C	8	C322	B	72	220	8C	13	C377	B	218	285	3E	22
C268	B	102	183	5C	8	C323	B	70	183	5C	13	C378	B	207	296	3F	22
C269	B	134	196	4D	8	C324	B	109	258	11D	8	C379	B	225	138	3F	26
C270	B	118	252	11B	8	C325	B	80	260	11D	13	C380	B	212	123	6D	26
C271	B	125	258	11C	8	C326	B	124	163	7C	5	C381	B	229	119	5C	26
C272	B	132	255	10C	8	C327	B	121	153	7D	5	C382	B	212	118	5D	26
C273	B	132	248	10C	8	C328	B	62	167	7C	10	C383	B	251	118	5B	26
C274	B	144	191	4F	8	C329	B	64	167	7D	10	C384	B	253	122	5A	26
C275	B	140	202	5D	8	C330	B	276	275	1F	20	C385	B	235	133	4F	26
C276	B	130	199	5E	8	C331	B	232	326	10C	21	C386	B	214	276	7C	22
C277	B	122	208	5B	8	C332	B	269	158	3E	25	C387	B	189	119	5E	26
C278	B	134	227	7D	8	C333	B	299	193	1E	25	C388	B	196	150	2D	25
C279	B	140	234	7D	8	C334	B	287	312	1E	20	C389	B	221	269	7C	22
C280	B	130	230	7E	8	C335	B	192	172	3B	25	C390	B	248	109	4A	27
C281	B	144	221	7F	8	C336	B	299	203	9A	25	C391	B	230	108	4D	27
C282	B	119	195	5B	8	C337	B	248	178	4F	25	C392	B	212	285	4D	22

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C393	B	240	297	8A	21	C448	B	200	227	9B	23	C505	B	292	187	2F	25
C394	B	223	354	2F	21	C449	B	196	225	9B	23	C506	B	228	122	2F	27
C395	B	253	334	2F	21	C450	B	185	255	2E	23	C507	B	206	115	3E	28
C396	B	200	356	3B	21	C451	B	279	10	8A	29	C508	B	188	122	3F	28
C397	B	258	323	2E	21	C452	B	284	10	8C	29	C509	B	267	162	8E	25
C398	B	192	179	2B	25	C453	B	287	84	9A	30	C510	B	191	327	2B	21
C399	B	201	179	2B	25	C454	B	192	135	11A	30	C511	B	204	319	6F	21
C400	B	195	167	3C	25	C455	B	185	135	11A	30	C512	B	198	332	6F	21
C401	B	199	170	4B	25	C456	B	287	30	9B	30	C513	B	243	288	2E	22
C402	B	220	169	4B	25	C457	B	287	307	2E	20	C514	B	234	285	2E	22
C403	B	195	162	3C	25	C458	B	214	331	9C	21	C515	B	208	354	3D	25
C404	B	256	318	8B	21	C459	B	287	66	9A	30	C516	B	290	339	2E	20
C405	B	215	161	4B	25	C460	B	287	48	9B	30	C517	B	133	138	5D	5
C406	B	221	160	5C	25	C461	B	239	13	9C	30	C518	B	130	207	5B	8
C407	B	203	153	1D	25	C462	B	257	13	9B	30	C519	B	127	207	5B	8
C408	B	201	138	2D	25	C463	B	205	14	9D	30	C520	B	103	237	8B	8
C409	B	286	180	1F	25	C464	B	222	13	9C	30	C521	B	105	238	8B	8
C410	B	240	155	2D	25	C465	B	239	46	9C	30	C522	B	64	210	5B	13
C411	B	209	136	2D	25	C466	B	205	46	9D	30	C523	B	61	212	5B	13
C412	B	248	154	3D	25	C467	B	257	46	9E	30	C524	B	81	240	8B	13
C413	B	190	163	3C	25	C468	B	222	46	9D	30	C525	B	84	243	8B	13
C414	B	273	157	7E	25	C469	B	211	337	9C	21	C526	B	106	310	2B	15
C415	B	243	320	9B	21	C470	B	238	160	9E	30	C527	B	82	311	1B	16
C416	B	246	173	10A	25	C471	B	261	206	11E	30	C528	B	193	112	3C	28
C417	B	249	173	10A	25	C472	B	295	231	6A	30	C529	B	233	112	3C	27
C418	B	215	153	4D	25	C473	B	280	217	7B	30	C530	B	236	311	7E	21
C419	B	224	150	4D	25	C474	B	289	234	6F	30	C531	B	226	306	7F	21
C420	B	286	294	2E	20	C475	B	306	240	7F	30	C532	B	84	94	7D	9
C421	B	291	274	2F	20	C476	B	278	232	7F	30	C533	B	82	116	7B	9
C422	B	292	225	3E	25	C477	B	206	162	2E	25	C534	B	135	84	6C	4
C423	B	264	167	4E	25	C478	B	271	171	3E	25	C535	B	67	89	6C	9
C424	B	267	282	3C	20	C479	B	214	177	2E	25	C536	B	101	50	2B	4
C425	B	239	320	9B	21	C480	B	246	115	2E	27	C537	B	119	65	2D	4
C426	B	190	316	2B	21	C481	B	243	112	2C	27	C538	B	45	60	2B	9
C427	B	198	260	2B	23	C482	B	241	112	2C	27	C539	B	29	60	2E	9
C428	B	185	259	2C	23	C483	B	241	109	4C	27	C540	B	142	124	3D	5
C429	B	191	250	3C	23	C484	B	250	97	5B	27	C541	B	115	126	3B	5
C430	B	185	264	2C	23	C485	B	241	94	7B	27	C542	B	75	133	3B	10
C431	B	210	252	4B	23	C486	B	230	97	5D	27	C543	B	46	134	3D	10
C432	B	223	253	4C	23	C487	B	203	112	2C	28	C544	B	51	305	1A	17
C433	B	217	262	4C	23	C488	B	201	112	2B	28	C545	B	82	273	6A	11
C434	B	223	248	4C	23	C489	B	235	110	4C	27	C546	B	255	109	4A	27
C435	B	198	238	6B	23	C490	B	210	97	5B	28	C547	B	232	108	4D	27
C436	B	218	316	10A	21	C491	B	201	94	7B	28	C548	B	215	109	4A	28
C437	B	185	237	6C	23	C492	B	190	97	5D	28	C549	B	192	108	4D	28
C438	B	191	228	6C	23	C493	B	58	146	5D	10	C550	B	106	271	6A	6
C439	B	185	243	6C	23	C495	B	243	185	4E	24	C551	B	133	115	4F	5
C440	B	210	230	8B	23	C496	B	225	189	4F	24	C552	B	57	114	4F	10
C441	B	223	231	8C	23	C498	B	203	273	6C	22	C553	B	184	100	5D	28
C442	B	217	241	8C	23	C499	B	205	273	6C	22	C554	B	224	100	5D	27
C443	B	223	227	8C	23	C500	B	214	341	9C	21	C555	B	74	353	4E	14
C444	B	208	264	2A	23	C501	B	207	301	2C	22	C556	B	142	67	4E	4
C445	B	222	214	11A	23	C502	B	207	298	2C	22	C557	B	75	78	4E	9
C446	B	197	227	9B	23	C503	B	277	260	3F	20	C558	B	13	78	1E	18
C447	B	222	316	10A	21	C504	B	215	316	8F	21	C559	B	147	66	2A	18

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Part Side X	Y	Sqr	Pg	Part Side X	Y	Sqr	Pg	Part Side X	Y	Sqr	Pg		
C560	B 81 77	2A	19	D20	B 106 247	10B	8	D34	B 81 203	6F	13		
D1	B 217 379	4F	1	D20	B 106 247	10A	8	D34	B 81 203	4B	13		
D1	B 217 379	6E	1	D21	B 116 240	5F	8	D34	B 81 203	4B	13		
D2	B 279 269	1F	20	D21	B 116 240	7B	8	D34	B 81 203	4B	13		
D2	B 279 269	4B	20	D21	B 116 240	7B	8	D34	B 81 203	4B	13		
D2	B 279 269	4C	20	D21	B 116 240	7B	8	D35	B 81 192	6F	13		
D2	B 279 269	4C	20	D21	B 116 240	7B	8	D35	B 81 192	4C	13		
D2	B 279 269	4B	20	D22	B 113 266	8F	8	D35	B 81 192	4C	13		
D3	B 90 295	2F	14	D22	B 113 266	10D	8	D35	B 81 192	4C	13		
D3	B 90 295	2B	14	D22	B 113 266	5B	6	D35	B 81 192	4C	13		
D3	B 90 295	2A	14	D22	B 113 266	5B	6	D36	B 72 203	6F	13		
D3	B 90 295	2B	14	D22	B 113 266	5C	6	D36	B 72 203	5B	13		
D3	B 90 295	2C	14	D23	B 130 193	4F	8	D36	B 72 203	5B	13		
D4	B 67 300	3F	14	D23	B 130 193	4D	8	D36	B 72 203	5B	13		
D4	B 67 300	2D	14	D24	B 130 224	7F	8	D36	B 72 203	5B	13		
D5	B 103 345	6A	14	D24	B 130 224	6D	8	D37	B 73 242	5F	13		
D6	B 86 356	5D	14	D25	B 111 201	6F	8	D37	B 73 242	8B	13		
D7	B 131 335	8D	14	D25	B 111 201	4B	8	D37	B 73 242	8B	13		
D7	B 131 335	8B	14	D25	B 111 201	4B	8	D37	B 73 242	8B	13		
D7	B 131 335	3F	14	D25	B 111 201	4B	8	D37	B 73 242	8B	13		
D8	B 133 112	2C	5	D25	B 111 201	4B	8	D38	B 65 231	5F	13		
D8	B 133 112	5F	5	D26	B 111 191	6F	8	D38	B 65 231	7C	13		
D9	B 6 349	1D	18	D26	B 111 191	4C	8	D38	B 65 231	7C	13		
D9	B 6 349	2C	18	D26	B 111 191	4C	8	D38	B 65 231	7C	13		
D9	B 6 349	2E	18	D26	B 111 191	4C	8	D38	B 65 231	7C	13		
D9	B 6 349	2D	18	D26	B 111 191	4C	8	D39	B 281 227	7A	30		
D9	B 6 349	1C	18	D27	B 119 201	6F	8	D39	B 281 227	8F	30		
D9	B 6 349	2D	18	D27	B 119 201	4B	8	D39	B 281 227	7F	30		
D9	B 6 349	1D	18	D27	B 119 201	5B	8	D40	B 290 237	6C	30		
D10	B 8 293	4C	18	D27	B 119 201	4B	8	D40	B 290 237	6F	30		
D10	B 8 293	5E	18	D27	B 119 201	5B	8	D41	B 303 237	8C	30		
D11	B 6 308	4E	18	D28	B 108 240	5F	8	D41	B 303 237	6F	30		
D11	B 6 308	3C	18	D28	B 108 240	7B	8	D42	B 253 326	7B	21		
D12	B 8 284	5E	18	D28	B 108 240	7B	8	D42	B 253 326	7B	21		
D12	B 8 284	5C	18	D28	B 108 240	8B	8	D42	B 253 326	1F	21		
D13	B 6 190	6E	19	D28	B 108 240	8B	8	D42	B 253 326	5D	21		
D13	B 6 190	6C	19	D29	B 116 229	5F	8	D42	B 253 326	5D	21		
D14	B 6 246	2E	19	D29	B 116 229	7C	8	D43	B 196 337	3B	21		
D14	B 6 246	2C	19	D29	B 116 229	7C	8	D43	B 196 337	5F	21		
D15	B 6 210	4E	19	D29	B 116 229	7C	8	D43	B 196 337	4B	21		
D15	B 6 210	4C	19	D29	B 116 229	7C	8	D44	B 218 352	6B	21		
D16	B 6 226	3E	19	D30	B 80 254	7F	13	D44	B 218 352	5B	21		
D16	B 6 226	3C	19	D30	B 80 254	9D	13	D44	B 218 352	2F	21		
D17	B 6 199	5E	19	D30	B 80 254	9D	13	D45	B 280 255	3F	20		
D17	B 6 199	5C	19	D30	B 80 254	10B	13	D45	B 280 255	7C	20		
D18	B 74 263	8F	13	D30	B 80 254	10A	13	D45	B 280 255	7C	20		
D18	B 74 263	10D	13	D31	B 65 242	5F	13	D45	B 280 255	7C	20		
D18	B 74 263	5B	11	D31	B 65 242	7B	13	D45	B 280 255	7C	20		
D18	B 74 263	5B	11	D31	B 65 242	7B	13	D46	B 13 70	2B	19		
D18	B 74 263	5C	11	D31	B 65 242	7B	13	D46	B 13 70	1E	18		
D19	B 6 329	3E	18	D31	B 65 242	7B	13	D46	B 13 70	2B	18		
D19	B 6 329	2C	18	D32	B 42 195	4F	13	D47	B 226 321	10C	21		
D20	B 106 247	7F	8	D32	B 42 195	4D	13	D48	B 294 269	4D	20		
D20	B 106 247	9D	8	D33	B 43 225	7F	13	D48	B 294 269	4C	20		
D20	B 106 247	9D	8	D33	B 43 225	6D	13	D48	B 294 269	2F	20		
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				ED ANALOG UNIT ANALOG UNIT				1078.2908.01 XY				5+	



Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
D48	B	294	269	4E	20	K5	B	146	62	4C	4	K26	B	56	171	8A	19
D48	B	294	269	4B	20	K6	B	124	95	5A	18	K26	B	56	171	6C	10
D49	B	280	160	7E	25	K6	B	124	95	4E	4	K101	B	277	81	10A	30
D49	B	280	160	6E	25	K6	B	124	95	4A	4	K101	B	277	81	3D	29
D50	B	292	218	9D	25	K7	B	158	81	5A	18	K101	B	277	81	3B	29
D50	B	292	218	3E	25	K7	B	158	81	6D	4	K102	B	277	63	10A	30
D51	B	206	316	8F	21	K7	B	158	81	6B	4	K102	B	277	63	4D	29
D51	B	206	316	11D	21	K8	B	158	99	6A	18	K102	B	277	63	4B	29
D51	B	206	316	11D	21	K8	B	158	99	7D	4	K103	B	277	45	10B	30
D52	B	58	116	2C	10	K8	B	158	99	7B	4	K103	B	277	45	7D	29
D52	B	58	116	4F	10	K9	B	135	120	6A	18	K103	B	277	45	7B	29
D53	B	208	322	5B	21	K9	B	135	120	3D	5	K104	B	170	58	7E	30
D53	B	208	322	4B	21	K9	B	135	120	3C	5	K104	B	170	58	10B	30
D53	B	208	322	6F	21	K10	B	98	150	6A	18	K105	B	277	27	10B	30
D53	B	208	322	8D	21	K10	B	98	150	7D	5	K105	B	277	27	8D	29
D53	B	208	322	10E	21	K10	B	98	150	6C	5	K105	B	277	27	8A	29
D54	B	133	323	7D	14	K11	B	154	164	7A	18	K106	B	254	26	10B	30
D54	B	133	323	4F	14	K11	B	154	164	8B	5	K106	B	254	26	9D	29
D54	B	133	323	7C	14	K12	B	140	164	7A	18	K106	B	254	26	9B	29
D55	B	133	314	6C	14	K12	B	140	164	8C	5	K107	B	236	26	10C	30
D55	B	133	314	6D	14	K13	B	126	168	8A	18	K107	B	236	26	10D	29
D55	B	133	314	4F	14	K13	B	126	168	6C	5	K107	B	236	26	10B	29
D56	B	13	87	3B	19	K14	B	29	25	2A	19	K108	B	218	26	10C	30
D56	B	13	87	2B	18	K14	B	29	25	2C	9	K108	B	218	26	10E	29
D56	B	13	87	2F	18	K14	B	29	25	2C	9	K108	B	218	26	10B	29
D56	B	13	87	2F	18	K15	B	29	42	3A	19	K109	B	202	26	10D	30
D56	B	13	87	2E	18	K15	B	29	42	2A	9	K109	B	202	26	11D	29
D57	B	98	269	5A	6	K15	B	29	42	2E	9	K109	B	202	26	11B	29
D57	B	98	269	4F	6	K16	B	32	68	3A	19	K110	B	254	58	2D	30
D58	B	86	269	5A	11	K16	B	32	68	3D	9	K110	B	254	58	3B	30
D58	B	86	269	4F	11	K16	B	32	68	3B	9	K110	B	254	58	10E	30
G1	B	126	297	4D	14	K17	B	61	72	4A	19	K111	B	236	58	10C	30
G2	B	187	358	3B	21	K17	B	61	72	2D	9	K111	B	236	58	3D	30
G3	B	236	300	8A	21	K17	B	61	72	3B	9	K111	B	236	58	3B	30
H1	B	135	72	6A	4	K18	B	78	72	4A	19	K112	B	218	58	10D	30
H2	B	141	72	6A	4	K18	B	78	72	4C	9	K112	B	218	58	3E	30
H3	B	134	102	6D	4	K19	B	55	101	5A	19	K112	B	218	58	4B	30
H4	B	140	99	6D	4	K19	B	55	101	4E	9	K113	B	202	58	10D	30
H5	B	66	82	6A	9	K19	B	55	101	4A	9	K113	B	202	58	4D	30
H6	B	72	83	6A	9	K20	B	90	92	5A	19	K113	B	202	58	4B	30
H7	B	65	109	6D	9	K20	B	90	92	6D	9	K238	B	236	173	10E	30
H8	B	72	108	6D	9	K20	B	90	92	6B	9	K238	B	236	173	5B	25
K1	B	52	25	2A	18	K21	B	79	101	6A	19	K238	B	236	173	2B	25
K1	B	52	25	2C	4	K21	B	79	101	7D	9	K240	B	257	222	11E	30
K1	B	52	25	2C	4	K21	B	79	101	7B	9	K240	B	257	222	5A	25
K2	B	54	43	3A	18	K22	B	55	138	6A	19	K300	B	244	164	11A	25
K2	B	54	43	2A	4	K22	B	55	138	3C	10	K300	B	244	164	10D	25
K2	B	54	43	2E	4	K22	B	55	138	3B	10	K301	B	261	135	6A	26
K3	B	109	64	3A	18	K23	B	89	169	7A	19	K301	B	261	135	11D	25
K3	B	109	64	3D	4	K23	B	89	169	7D	10	K302	B	258	157	2B	26
K3	B	109	64	3A	4	K23	B	89	169	6C	10	K302	B	258	157	11D	25
K4	B	129	62	4A	18	K24	B	41	166	7A	19	L1	B	114	58	4A	4
K4	B	129	62	2D	4	K24	B	41	166	8B	10	L2	B	102	71	4D	4
K4	B	129	62	3B	4	K25	B	55	166	7A	19	L3	B	170	91	1A	18
K5	B	146	62	4A	18	K25	B	55	166	8C	10	L4	B	9	144	1A	19

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
L5	B	46	67	4B	9	N27	B	10	280	7E	18	N57	B	65	220	8C	13
L6	B	32	76	4D	9	N27	B	10	280	7C	18	N58	B	84	182	2C	13
L7	B	236	320	9B	21	N27	B	10	280	7C	18	N59	B	60	257	10C	13
L8	B	186	145	11A	30	N27	B	10	280	7D	18	N60	B	45	205	4E	13
N1	B	55	297	1A	17	N27	B	10	280	7D	18	N61	B	48	236	7E	13
N2	B	43	312	2C	17	N28	B	21	184	6E	19	N62	B	190	379	3D	1
N2	B	43	312	2C	17	N28	B	21	184	7B	19	N63	B	262	178	10B	25
N2	B	43	312	2E	17	N28	B	21	184	7B	19	N63	B	262	178	4E	25
N3	B	43	327	4C	17	N28	B	21	184	7B	19	N64	B	213	256	5C	23
N3	B	43	327	3E	17	N28	B	21	184	7C	19	N64	B	213	256	4C	23
N3	B	43	327	3C	17	N29	B	10	184	7D	19	N64	B	213	256	2E	23
N4	B	43	341	5C	17	N29	B	10	184	7E	19	N65	B	195	234	6C	23
N4	B	43	341	5E	17	N29	B	10	184	7C	19	N65	B	195	234	6C	23
N4	B	43	341	4C	17	N29	B	10	184	7C	19	N65	B	195	234	3E	23
N5	B	43	356	6C	17	N29	B	10	184	7D	19	N66	B	213	234	8C	23
N5	B	43	356	6C	17	N30	B	227	315	7F	21	N66	B	213	234	7C	23
N5	B	43	356	6E	17	N30	B	227	315	9A	21	N66	B	213	234	3E	23
N6	B	51	369	8B	17	N31	B	62	120	2C	10	N67	B	248	268	2E	24
N6	B	51	369	7E	17	N31	B	62	120	4F	10	N67	B	248	268	3C	24
N6	B	51	369	7B	17	N34	B	40	131	4D	10	N68	B	246	242	2E	24
N7	B	104	305	1B	15	N35	B	77	130	4B	10	N68	B	246	242	5C	24
N8	B	119	313	3B	15	N36	B	35	148	4F	10	N69	B	211	217	4E	23
N9	B	103	326	4C	15	N36	B	35	148	4E	10	N69	B	211	217	10A	23
N10	B	113	326	4B	15	N36	B	35	148	4A	10	N70	B	239	191	4E	24
N11	B	84	301	1B	16	N37	B	69	154	5C	10	N70	B	239	191	7C	24
N12	B	69	317	2B	16	N38	B	66	160	7C	10	N71	B	224	198	3E	24
N13	B	85	323	3C	16	N39	B	77	279	7B	11	N71	B	224	198	6D	24
N14	B	75	323	3B	16	N40	B	43	267	5D	11	N71	B	224	198	4E	24
N15	B	152	234	2C	7	N40	B	43	267	5C	11	N72	B	220	295	3E	22
N15	B	152	234	2C	7	N40	B	43	267	3F	11	N72	B	220	295	4D	22
N15	B	152	234	2D	7	N42	B	53	277	4F	11	N74	B	202	295	4C	22
N16	B	151	257	3A	7	N42	B	53	277	6D	11	N74	B	202	295	4E	22
N17	B	30	233	2C	12	N42	B	53	277	6E	11	N75	B	225	279	7C	22
N17	B	30	233	2C	12	N42	B	53	277	7D	11	N75	B	225	279	2E	22
N17	B	30	233	2D	12	N42	B	53	277	6C	11	N76	B	187	328	2B	21
N18	B	37	262	3A	12	N43	B	43	170	3A	11	N77	B	231	217	1E	24
N19	B	129	109	2C	5	N43	B	43	170	3F	11	N77	B	231	217	3A	24
N19	B	129	109	4F	5	N43	B	43	170	6D	10	N78	B	195	256	3C	23
N20	B	107	277	6B	6	N44	B	109	121	4B	5	N78	B	195	256	2C	23
N21	B	145	271	4C	6	N45	B	145	121	4D	5	N78	B	195	256	2E	23
N21	B	145	271	3F	6	N46	B	158	136	4F	5	N79	B	187	170	3B	25
N21	B	145	271	4D	6	N46	B	158	136	4E	5	N80	B	210	174	4B	25
N22	B	133	276	6D	6	N46	B	158	136	4A	5	N80	B	210	174	2E	25
N22	B	133	276	7D	6	N47	B	121	142	5C	5	N81	B	277	161	8E	25
N22	B	133	276	4F	6	N48	B	121	160	7C	5	N81	B	277	161	2E	25
N22	B	133	276	6E	6	N49	B	139	167	2A	6	N82	B	243	122	2C	27
N22	B	133	276	6C	6	N49	B	139	167	2F	6	N82	B	243	122	2E	27
N23	B	248	320	8B	21	N49	B	139	167	6D	5	N83	B	203	122	2C	28
N24	B	128	366	4A	14	N50	B	105	187	4C	8	N83	B	203	122	3E	28
N25	B	124	369	4C	14	N51	B	121	215	8C	8	P5	B	127	243	6D	8
N26	B	21	280	6E	18	N52	B	103	175	2C	8	P14	B	58	163	8D	10
N26	B	21	280	7C	18	N53	B	126	251	10C	8	P19	B	59	244	6D	13
N26	B	21	280	7B	18	N54	B	133	203	4E	8	P20	B	48	198	4D	13
N26	B	21	280	7B	18	N55	B	133	234	7E	8	P21	B	87	213	3D	13
N26	B	21	280	7B	18	N56	B	81	185	5C	13	P22	B	110	361	5A	14

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
P23	B	107	361	5C	14	R53	B	36	248	2B	12	R108	B	59	232	6B	13
P24	B	3	257	3F	18	R54	B	35	254	3B	12	R109	B	66	244	6A	13
P25	B	259	232	6B	20	R55	B	30	230	2B	12	R110	B	59	239	6B	13
R1	B	213	376	5D	1	R56	B	35	241	2C	12	R111	B	80	213	3A	13
R2	B	221	379	5D	1	R57	B	32	244	3D	12	R112	B	59	221	6C	13
R3	B	209	380	5E	1	R58	B	37	238	1D	12	R113	B	59	237	6B	13
R4	B	221	382	6E	1	R59	B	99	199	3B	8	R114	B	59	224	6C	13
R5	B	158	312	5D	10	R60	B	98	201	3B	8	R115	B	60	229	6C	13
R6	B	56	319	2B	17	R61	B	115	211	4A	8	R116	B	60	218	6C	13
R7	B	49	317	2B	17	R62	B	114	179	3A	8	R117	B	60	242	6B	13
R8	B	31	303	2C	17	R63	B	122	204	5B	8	R118	B	88	245	6A	13
R9	B	31	310	2C	17	R64	B	104	270	6A	6	R119	B	83	237	8B	13
R10	B	50	343	5B	17	R65	B	111	243	7A	8	R120	B	121	130	4D	5
R11	B	31	332	5C	17	R66	B	127	240	6B	8	R121	B	69	187	5C	13
R12	B	31	339	5C	17	R67	B	127	230	6B	8	R122	B	87	208	3B	13
R13	B	45	336	5C	17	R68	B	120	243	6A	8	R123	B	87	184	2C	13
R14	B	50	356	6B	17	R69	B	127	237	6B	8	R124	B	77	181	2C	13
R15	B	31	347	6C	17	R70	B	106	211	3A	8	R125	B	70	179	1C	13
R16	B	31	353	6C	17	R71	B	127	220	6C	8	R126	B	86	254	9B	13
R17	B	45	351	6C	17	R72	B	127	232	6B	8	R127	B	65	247	9C	13
R18	B	53	322	3B	17	R73	B	127	225	6C	8	R128	B	61	260	11B	13
R19	B	53	333	4B	17	R74	B	126	227	6C	8	R129	B	77	257	11A	13
R20	B	53	348	5B	17	R75	B	126	222	6C	8	R130	B	74	257	11B	13
R21	B	52	356	6B	17	R76	B	128	235	6B	8	R131	B	83	248	9D	13
R22	B	62	357	7B	17	R77	B	98	243	6A	8	R132	B	86	248	9D	13
R23	B	62	351	7B	17	R78	B	102	234	8B	8	R133	B	87	211	3B	13
R24	B	48	364	7B	17	R79	B	84	271	6A	11	R134	B	52	208	5D	13
R25	B	54	371	8B	17	R80	B	116	183	5C	8	R135	B	55	236	8D	13
R26	B	45	307	2C	17	R81	B	99	209	3B	8	R136	B	87	201	3B	13
R27	B	50	328	3B	17	R82	B	100	179	2C	8	R137	B	87	196	3C	13
R28	B	31	318	3C	17	R83	B	110	179	2C	8	R138	B	87	191	3C	13
R29	B	31	324	3C	17	R84	B	117	177	1C	8	R139	B	88	193	3C	13
R30	B	45	322	3C	17	R85	B	100	253	9B	8	R140	B	88	198	3C	13
R31	B	108	299	2B	15	R86	B	123	245	9C	8	R141	B	137	52	2B	4
R32	B	114	308	2B	15	R87	B	122	258	11B	8	R142	B	127	75	4B	4
R33	B	117	304	2B	15	R88	B	113	255	11A	8	R143	B	140	52	3C	4
R34	B	111	320	3C	15	R89	B	116	255	11B	8	R144	B	143	52	4C	4
R35	B	101	330	4C	15	R90	B	102	248	9D	8	R145	B	140	57	3C	4
R36	B	96	331	1D	15	R91	B	102	250	9D	8	R146	B	143	57	4C	4
R37	B	96	303	1D	15	R92	B	99	206	3B	8	R147	B	4	265	3F	18
R38	B	81	298	2B	16	R93	B	132	206	5D	8	R148	B	3	260	3F	18
R39	B	74	308	2B	16	R94	B	132	237	8D	8	R149	B	16	270	8B	18
R40	B	71	304	2B	16	R95	B	99	204	3B	8	R150	B	67	62	2B	9
R41	B	78	319	3C	16	R96	B	99	194	3C	8	R151	B	72	319	3B	16
R42	B	87	330	4C	16	R97	B	99	189	3C	8	R152	B	125	99	4D	4
R43	B	92	331	1D	16	R98	B	98	191	3C	8	R153	B	70	62	3B	9
R44	B	92	303	1D	16	R99	B	98	196	3C	8	R154	B	67	68	2C	9
R45	B	143	247	1B	7	R100	B	87	203	3B	13	R155	B	70	68	3C	9
R46	B	148	247	2B	7	R101	B	87	206	3B	13	R156	B	64	77	2C	9
R47	B	153	250	3B	7	R102	B	70	213	4A	13	R157	B	64	75	3C	9
R48	B	151	237	2B	7	R103	B	73	181	3A	13	R158	B	59	77	2D	9
R49	B	149	225	2C	7	R104	B	60	206	5B	13	R159	B	59	75	3D	9
R50	B	156	230	3C	7	R105	B	112	130	4C	5	R160	B	57	81	4B	9
R51	B	145	230	1D	7	R106	B	75	244	7A	13	R161	B	89	63	3B	9
R52	B	45	253	1B	12	R107	B	59	234	6B	13	R162	B	58	93	4C	9

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R163	B	127	82	4B	4	R217	B	72	159	7C	10	R275	B	139	127	4C	5
R164	B	56	104	4D	9	R219	B	70	165	7D	10	R276	B	116	137	5B	5
R165	B	59	88	4B	9	R220	B	75	164	7D	10	R276	B	116	137	5D	5
R166	B	64	100	4D	9	R221	B	51	152	7C	10	R276	B	116	137	4C	5
R167	B	60	94	4C	9	R222	B	53	155	7C	10	R276	B	116	137	4C	5
R168	B	65	94	4C	9	R223	B	42	152	7B	10	R277	B	84	317	1C	16
R170	B	73	103	5C	9	R224	B	39	155	7B	10	R279	B	83	315	1B	16
R171	B	63	90	5C	9	R225	B	159	323	3A	11	R280	B	14	270	8C	18
R172	B	75	62	3C	9	R226	B	88	261	5A	11	R281	B	148	132	4D	5
R173	B	91	63	4B	9	R227	B	141	89	5C	4	R282	B	132	65	2C	4
R174	B	134	94	4D	4	R228	B	70	271	5B	11	R283	B	148	137	4E	5
R175	B	89	68	3C	9	R229	B	83	257	5C	11	R284	B	9	270	8C	18
R176	B	91	68	4C	9	R230	B	77	271	6A	11	R285	B	114	163	7C	5
R177	B	72	62	4C	9	R231	B	79	271	6C	11	R286	B	112	158	7C	5
R178	B	75	68	3D	9	R232	B	65	285	8D	11	R287	B	114	159	7C	5
R179	B	72	68	4D	9	R233	B	60	285	8D	11	R288	B	118	152	7D	5
R180	B	117	320	3B	15	R234	B	65	276	7D	11	R289	B	116	154	7D	5
R181	B	68	309	2C	16	R235	B	45	282	7D	11	R290	B	135	149	7C	5
R182	B	119	309	2C	15	R236	B	55	287	6D	11	R291	B	138	150	7C	5
R183	B	136	116	3C	5	R237	B	53	274	7D	11	R292	B	148	149	7B	5
R184	B	54	123	3C	10	R238	B	131	84	5B	4	R293	B	132	68	3C	4
R185	B	128	88	4C	4	R239	B	58	274	7D	11	R294	B	152	150	7B	5
R186	B	44	123	2E	10	R240	B	55	285	6C	11	R295	B	124	152	7B	5
R187	B	158	310	6E	10	R241	B	43	273	5C	11	R296	B	158	304	6D	5
R188	B	138	352	7A	14	R242	B	39	273	5D	11	R297	B	158	302	6E	5
R189	B	124	312	4D	14	R243	B	40	286	5E	11	R298	B	159	316	3A	6
R190	B	71	358	4D	14	R244	B	40	284	5E	11	R299	B	101	261	5A	6
R191	B	118	342	7B	14	R245	B	142	196	4D	8	R300	B	118	269	5B	6
R192	B	29	139	1E	10	R246	B	124	182	3D	8	R301	B	108	255	5C	6
R193	B	77	127	2A	10	R247	B	34	212	2E	11	R302	B	109	270	6A	6
R194	B	29	130	1F	10	R248	B	71	274	6B	11	R303	B	117	272	6B	6
R195	B	30	190	3E	10	R249	B	135	52	3B	4	R304	B	127	65	2C	4
R196	B	134	87	4C	4	R250	B	130	347	7B	14	R305	B	111	270	6C	6
R197	B	90	146	2E	10	R251	B	143	317	6D	14	R306	B	124	288	8D	6
R198	B	90	139	2F	10	R252	B	133	321	6D	14	R307	B	124	283	8D	6
R199	B	30	186	3F	10	R253	B	140	321	6D	14	R308	B	133	288	7D	6
R200	B	70	127	3C	10	R256	B	3	321	4C	18	R309	B	133	272	7D	6
R201	B	76	159	7C	10	R257	B	6	239	3C	19	R310	B	135	276	7D	6
R202	B	51	127	3C	10	R258	B	18	267	8B	18	R311	B	135	286	7D	6
R203	B	70	133	4C	10	R259	B	15	267	8B	18	R312	B	122	276	6D	6
R204	B	48	133	3C	10	R260	B	137	57	2C	4	R313	B	125	276	6C	6
R205	B	73	133	3B	10	R261	B	146	116	2E	5	R314	B	144	274	5C	6
R206	B	51	133	4C	10	R262	B	116	116	2A	5	R315	B	127	68	3C	4
R207	B	127	87	4B	4	R263	B	159	129	1E	5	R316	B	148	274	5D	6
R208	B	43	142	4D	10	R264	B	159	125	1F	5	R317	B	143	286	5E	6
R209	B	69	145	5D	10	R265	B	97	137	2E	5	R318	B	143	283	5E	6
R209	B	69	145	5B	10	R266	B	97	143	2F	5	R319	B	133	211	6D	8
R209	B	69	145	4C	10	R267	B	157	186	3E	5	R320	B	142	227	7D	8
R209	B	69	145	4C	10	R268	B	157	182	3F	5	R321	B	151	210	2E	6
R210	B	43	146	4E	10	R269	B	120	118	3C	5	R322	B	67	304	1C	14
R211	B	52	316	2A	17	R270	B	139	118	3C	5	R323	B	110	340	6A	14
R213	B	105	314	1B	15	R271	B	135	57	3C	4	R324	B	107	330	4B	14
R214	B	102	305	1C	15	R272	B	117	126	3B	5	R325	B	114	330	4B	14
R215	B	65	157	7B	10	R273	B	142	127	3D	5	R326	B	10	267	8C	18
R216	B	72	157	7C	10	R274	B	120	127	4C	5	R327	B	81	330	4B	14

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R328	B	74	330	4C	14	R383	B	238	257	4C	24	R440	B	273	40	6B	29
R329	B	119	340	7B	14	R384	B	238	250	4C	24	R441	B	272	46	5B	29
R330	B	92	357	4D	14	R385	B	253	237	5C	24	R442	B	272	51	5B	29
R331	B	77	341	6E	14	R386	B	244	228	6C	24	R443	B	269	49	5B	29
R332	B	13	267	8D	18	R387	B	209	287	5C	22	R444	B	273	61	4B	29
R333	B	159	53	3B	4	R388	B	238	228	5C	24	R445	B	268	296	3A	20
R334	B	157	53	4B	4	R389	B	225	186	7C	24	R446	B	187	309	1B	21
R335	B	159	58	3C	4	R391	B	207	189	5D	24	R447	B	273	58	4B	29
R336	B	157	58	4C	4	R392	B	233	194	6D	24	R448	B	273	56	4B	29
R337	B	145	189	3D	8	R393	B	207	200	5E	24	R449	B	273	53	4B	29
R338	B	145	219	6D	8	R394	B	209	278	6C	22	R450	B	269	70	3C	29
R339	B	55	192	3D	13	R395	B	209	276	6C	22	R451	B	269	75	3C	29
R340	B	56	223	6D	13	R396	B	205	279	6C	22	R452	B	271	70	3C	29
R341	B	3	312	3C	18	R397	B	229	303	9A	21	R453	B	271	75	3C	29
R342	B	5	295	5C	18	R398	B	280	177	8D	25	R454	B	271	82	3C	29
R343	B	3	316	3D	18	R399	B	213	303	2C	22	R455	B	271	77	3C	29
R344	B	158	327	1C	18	R400	B	229	331	10D	21	R456	B	274	77	3B	29
R345	B	158	330	1D	18	R401	B	204	303	2C	22	R457	B	206	334	8D	21
R346	B	158	333	1D	18	R402	B	285	172	6E	25	R458	B	274	70	3B	29
R347	B	159	325	6D	19	R403	B	216	298	3C	22	R459	B	274	82	3B	29
R348	B	4	230	3C	19	R404	B	201	298	3C	22	R460	B	274	75	3B	29
R349	B	4	234	3D	19	R405	B	199	338	3B	21	R461	B	277	90	2B	29
R350	B	5	207	5C	19	R406	B	250	134	2B	26	R462	B	277	87	2B	29
R351	B	133	331	7C	14	R407	B	253	134	3B	26	R463	B	277	95	2B	29
R352	B	11	270	8D	18	R408	B	232	119	5B	26	R464	B	277	92	2B	29
R353	B	145	346	7B	14	R409	B	191	293	4B	22	R465	B	273	32	7B	29
R354	B	54	295	2D	14	R410	B	220	133	2C	26	R466	B	296	22	9A	29
R355	B	65	304	2D	14	R411	B	221	131	2D	26	R467	B	246	30	9B	29
R356	B	143	187	4E	8	R412	B	234	126	1D	26	R468	B	267	325	5D	21
R357	B	145	185	3D	8	R413	B	232	128	1D	26	R469	B	249	30	9B	29
R358	B	143	217	6E	8	R414	B	253	118	5B	26	R470	B	244	30	9B	29
R359	B	145	215	6D	8	R415	B	253	124	5A	26	R471	B	235	29	10A	29
R360	B	56	219	6D	13	R416	B	253	127	5A	26	R472	B	213	32	10B	29
R361	B	43	213	6E	13	R418	B	212	126	5C	26	R473	B	235	32	10A	29
R362	B	54	189	4E	13	R419	B	209	273	6C	22	R474	B	227	32	10A	29
R363	B	55	185	3D	13	R420	B	210	118	5D	26	R475	B	227	29	10B	29
R364	B	258	311	8B	21	R421	B	207	123	5D	26	R476	B	218	32	10B	29
R365	B	229	337	10D	21	R422	B	192	119	4E	26	R477	B	208	32	10C	29
R366	B	194	212	10B	23	R423	B	201	262	2B	23	R478	B	218	29	10B	29
R367	B	192	206	10B	23	R424	B	287	324	2D	21	R479	B	269	337	3C	21
R368	B	209	213	10B	23	R425	B	289	262	8C	20	R480	B	213	29	10B	29
R369	B	242	339	6A	21	R426	B	290	260	8C	20	R481	B	289	92	2D	29
R370	B	212	205	11A	23	R427	B	246	328	6B	21	R482	B	289	95	2D	29
R371	B	209	259	2B	23	R428	B	266	310	7B	20	R483	B	289	90	2D	29
R372	B	210	264	2B	23	R429	B	266	313	7B	20	R484	B	289	87	2D	29
R373	B	203	261	3B	23	R430	B	273	37	6B	29	R485	B	291	74	3D	29
R374	B	220	263	4C	23	R431	B	281	181	1E	25	R486	B	291	69	3D	29
R375	B	224	260	4C	23	R432	B	196	112	3C	28	R487	B	291	76	3E	29
R376	B	191	287	5C	22	R433	B	236	112	3C	27	R488	B	291	81	3E	29
R377	B	203	248	5B	23	R434	B	187	312	1B	21	R489	B	294	74	3E	29
R378	B	233	206	3A	24	R435	B	273	35	6B	29	R490	B	182	258	2B	23
R379	B	237	200	4A	24	R436	B	285	196	6D	25	R491	B	294	69	3E	29
R380	B	234	197	4A	24	R437	B	194	11	11E	29	R492	B	294	76	3E	29
R381	B	234	271	2C	24	R438	B	194	43	4E	30	R493	B	294	81	3E	29
R382	B	253	266	3C	24	R439	B	209	293	4C	22	R494	B	297	74	3E	29

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R495	B	297	69	3E	29	R550	B	227	43	3D	30	R605	B	229	335	10D	21
R496	B	292	57	4E	29	R551	B	227	41	3D	30	R606	B	268	201	6C	25
R497	B	292	55	4E	29	R552	B	218	44	3D	30	R607	B	262	191	7B	25
R498	B	292	60	4E	29	R553	B	208	41	3E	30	R608	B	258	185	8B	25
R499	B	292	62	4E	29	R554	B	218	41	3E	30	R609	B	276	201	6D	25
R500	B	297	49	5D	29	R555	B	213	41	3E	30	R610	B	278	201	6D	25
R501	B	269	339	3C	21	R556	B	287	297	2B	20	R611	B	268	185	8C	25
R502	B	294	51	5E	29	R557	B	287	327	2D	21	R612	B	277	184	8D	25
R503	B	294	46	5E	29	R558	B	276	226	7A	30	R613	B	280	191	7D	25
R504	B	202	334	3A	21	R559	B	298	227	6A	30	R614	B	271	191	7C	25
R505	B	227	210	2B	24	R560	B	289	221	7A	30	R615	B	284	151	6E	25
R506	B	225	353	6A	21	R561	B	275	220	6B	30	R616	B	39	142	4B	10
R507	B	153	142	4B	5	R562	B	286	221	7A	30	R617	B	277	175	8D	25
R508	B	200	312	11B	21	R563	B	186	252	2C	23	R618	B	287	156	7E	25
R509	B	299	251	6C	30	R564	B	190	252	2C	23	R619	B	285	201	6D	25
R510	B	302	251	7C	30	R565	B	204	255	4B	23	R620	B	208	156	4D	25
R511	B	292	40	6E	29	R566	B	226	254	4B	23	R621	B	242	333	6C	21
R512	B	285	340	2C	21	R567	B	203	253	5B	23	R622	B	287	172	6E	25
R513	B	292	37	6E	29	R568	B	218	260	4C	23	R623	B	150	142	4B	5
R514	B	292	35	6E	29	R569	B	203	243	6B	23	R624	B	244	173	10A	25
R515	B	292	32	7E	29	R570	B	182	236	6B	23	R625	B	251	173	10B	25
R516	B	298	25	8C	29	R571	B	186	231	6C	23	R626	B	218	157	4D	25
R517	B	244	11	9D	29	R572	B	282	251	7C	20	R627	B	40	139	4B	10
R518	B	249	11	9D	29	R573	B	190	231	6C	23	R628	B	293	228	9D	25
R519	B	246	11	9D	29	R574	B	287	304	2B	20	R629	B	298	201	9A	25
R520	B	235	11	10C	29	R575	B	287	302	2B	20	R630	B	16	174	8B	19
R521	B	235	9	10C	29	R576	B	266	296	3A	20	R631	B	17	171	8B	19
R522	B	227	11	10D	29	R577	B	266	288	3C	20	R632	B	288	200	9A	25
R523	B	294	277	4A	20	R578	B	287	284	2C	20	R633	B	218	238	8C	23
R524	B	227	9	10D	29	R579	B	287	286	2C	20	R635	B	225	210	2B	24
R525	B	218	9	10D	29	R580	B	287	290	2D	20	R636	B	203	240	7B	23
R526	B	213	9	10D	29	R581	B	287	288	2D	20	R637	B	203	230	8B	23
R527	B	218	11	10E	29	R582	B	268	288	3C	20	R638	B	245	112	2B	27
R528	B	213	11	10E	29	R583	B	287	299	2B	20	R639	B	227	102	5D	27
R529	B	208	9	10E	29	R584	B	295	265	4D	20	R640	B	227	107	5D	27
R530	B	242	62	2B	30	R585	B	287	251	6C	20	R641	B	250	110	4A	27
R531	B	247	62	3B	30	R586	B	262	283	3C	20	R642	B	250	105	4B	27
R532	B	244	62	3B	30	R587	B	293	315	8A	20	R643	B	225	89	6C	27
R533	B	235	62	3A	30	R588	B	293	321	8A	20	R644	B	232	89	6C	27
R534	B	267	327	4D	21	R589	B	301	265	3F	20	R645	B	249	89	6C	27
R535	B	235	65	3A	30	R590	B	204	234	8B	23	R646	B	253	89	6B	27
R536	B	227	65	3A	30	R591	B	226	233	8B	23	R647	B	253	110	6A	27
R537	B	227	62	3B	30	R592	B	222	238	8C	23	R648	B	54	198	4D	13
R538	B	218	64	3B	30	R593	B	190	174	2B	25	R649	B	15	171	8B	19
R539	B	213	64	4B	30	R594	B	261	311	8B	21	R650	B	240	104	4B	27
R540	B	218	62	3B	30	R595	B	188	184	2C	25	R651	B	237	110	4C	27
R541	B	213	62	4B	30	R596	B	198	165	3B	25	R652	B	224	107	6D	27
R542	B	208	64	3C	30	R597	B	207	169	4B	25	R653	B	239	109	4B	27
R543	B	244	43	2D	30	R598	B	215	163	4B	25	R654	B	237	101	4D	27
R544	B	242	43	2D	30	R599	B	218	163	5B	25	R655	B	205	112	2B	28
R545	B	286	323	2D	21	R600	B	249	201	6B	25	R656	B	187	102	5D	28
R546	B	247	43	2D	30	R601	B	252	201	6B	25	R657	B	187	107	5D	28
R547	B	235	43	3C	30	R602	B	259	201	6C	25	R658	B	210	110	4A	28
R548	B	213	44	3D	30	R603	B	253	191	7A	25	R659	B	210	105	5B	28
R549	B	235	41	3C	30	R604	B	250	181	8B	25	R660	B	185	89	6C	28

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	04	19.07.96	ED ANALOG_UNIT ANALOG_UNIT	1078.2908.01 XY	11+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R661	B	192	89	6C	28	U2	B	34	282	5E	11	V39	B	12	321	8A	18
R662	B	209	89	6C	28	U3	B	282	298	3B	20	V40	B	16	260	4A	19
R663	B	213	89	6B	28	U4	B	224	135	2C	26	V41	B	9	242	3A	19
R664	B	213	110	6A	28	U4	B	224	135	2D	26	V42	B	10	260	5A	19
R665	B	64	183	3D	13	U4	B	224	135	2D	26	V43	B	13	242	4A	19
R666	B	13	174	8C	19	U4	B	224	135	2E	26	V44	B	9	222	6A	19
R667	B	200	104	4B	28	U4	B	224	135	3F	26	V45	B	13	222	7A	19
R668	B	197	110	4C	28	U5	B	282	284	3C	20	V58	B	82	119	2B	10
R669	B	184	107	6D	28	U6	B	277	315	8B	20	V59	B	81	126	2B	10
R670	B	199	109	4B	28	U7	B	296	190	9B	25	V60	B	74	122	2B	10
R671	B	197	101	4D	28	U7	B	296	190	9B	25	V61	B	46	117	2D	10
R672	B	286	330	2D	21	U7	B	296	190	9C	25	V62	B	39	119	2D	10
R673	B	9	171	8C	19	U7	B	296	190	9D	25	V63	B	36	123	2E	10
R674	B	11	174	8C	19	U7	B	296	190	1E	25	V64	B	64	282	8C	11
R675	B	12	171	8D	19	U8	B	245	333	6C	21	V65	B	50	282	7D	11
R676	B	8	174	8D	19	U9	B	277	340	2C	21	V66	B	40	278	5C	11
R677	B	140	331	7D	14	U10	B	282	324	4D	21	V67	B	44	278	5C	11
R678	B	48	371	8A	17	U11	B	135	67	4F	4	V68	B	37	278	5D	11
R679	B	78	139	4C	10	U12	B	67	77	4F	9	V69	B	31	280	6D	11
R680	B	69	139	4D	10	V1	B	156	279	5D	6	V70	B	84	332	5B	14
R681	B	56	226	7D	13	V2	B	152	279	5D	6	V71	B	80	335	5B	14
R682	B	62	226	6D	13	V3	B	32	277	5D	11	V72	B	71	333	5B	14
R683	B	55	309	1B	17	V4	B	28	277	5D	11	V73	B	77	334	5C	14
R684	B	51	309	1A	17	V5	B	17	222	8A	19	V74	B	293	303	1B	20
R685	B	158	329	7D	1	V6	B	170	44	10B	30	V75	B	290	303	1B	20
R686	B	158	334	7D	1	V7	B	181	105	6D	28	V76	B	293	290	1C	20
R687	B	132	54	2C	4	V8	B	221	105	6D	27	V77	B	290	290	1D	20
R688	B	65	65	2C	9	V9	B	18	324	3B	18	V78	B	265	281	3C	20
R689	B	144	67	4E	4	V10	B	19	242	3B	19	V79	B	252	196	7A	25
R690	B	77	78	4E	9	V13	B	109	109	2B	5	V80	B	252	189	8A	25
R691	B	132	62	3C	4	V14	B	116	112	2B	5	V81	B	245	102	4B	27
R692	B	65	71	3C	9	V15	B	144	110	2D	5	V82	B	241	84	6B	27
R693	B	22	100	2B	18	V16	B	152	112	2D	5	V83	B	236	80	6C	27
R694	B	20	100	2B	19	V17	B	109	116	2B	5	V84	B	246	92	7B	27
R695	B	17	66	2B	18	V18	B	155	116	2E	5	V85	B	233	104	4C	27
R696	B	14	66	2B	18	V19	B	128	286	7C	6	V86	B	224	94	6C	27
R697	B	15	82	2B	18	V20	B	128	272	7D	6	V87	B	256	98	6B	27
R698	B	18	97	2E	18	V21	B	144	279	5C	6	V88	B	228	91	7C	27
R699	B	14	97	2B	19	V22	B	141	279	5C	6	V89	B	261	196	7B	25
R700	B	15	80	2B	19	V23	B	148	279	5D	6	V90	B	261	189	8B	25
R701	B	18	80	2B	19	V24	B	156	283	5D	6	V91	B	271	196	7C	25
R702	B	158	313	8D	1	V25	B	103	334	4B	14	V92	B	280	196	7D	25
R703	B	137	95	4C	4	V26	B	121	365	4A	14	V93	B	271	189	8C	25
R704	B	71	98	4C	9	V27	B	106	335	4B	14	V94	B	280	189	8D	25
R705	B	132	80	4B	4	V28	B	118	333	4B	14	V95	B	281	155	6E	25
R706	B	63	86	4B	9	V29	B	111	332	4B	14	V96	B	249	159	10D	25
R707	B	132	94	4D	4	V30	B	140	362	3A	14	V97	B	267	129	11D	25
R708	B	130	82	4B	4	V31	B	121	373	4C	14	V98	B	252	152	12D	25
R709	B	66	100	4D	9	V32	B	136	370	3C	14	V99	B	204	102	4B	28
R710	B	61	88	4B	9	V33	B	7	324	2A	18	V100	B	201	84	6B	28
U1	B	147	283	4E	6	V34	B	14	324	3A	18	V101	B	196	80	6D	28
U1	B	147	283	4F	6	V35	B	14	342	4A	18	V102	B	206	92	7B	28
U1	B	147	283	4E	6	V36	B	10	342	5A	18	V103	B	252	185	8A	25
U2	B	34	282	4F	11	V37	B	9	304	6A	18	V104	B	184	94	6C	28
U2	B	34	282	5E	11	V38	B	12	304	7A	18	V105	B	216	98	6B	28

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&		Date	XY-list for	Stock-Nr	Page
SCHWARZ		04 19.07.96	ED ANALOG UNIT ANALOG UNIT	1078.2908.01 XY	12+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
V106	B	188	91	7D	28	V116	B	277	30	10B	30	V126	B	260	208	11E	30
V107	B	267	331	4C	21	V117	B	239	24	10C	30	V127	B	282	223	7B	30
V108	B	283	262	8C	20	V118	B	257	24	10B	30	V128	B	275	223	6B	30
V109	B	266	304	6B	20	V119	B	222	24	10C	30	V129	B	210	192	5D	24
V110	B	277	84	10A	30	V120	B	257	56	10E	30	V130	B	197	197	5E	24
V111	B	205	24	10D	30	V121	B	239	56	10C	30	X24	B	232	131	3C	26
V112	B	193	104	4C	28	V122	B	222	56	10D	30	X25	B	221	128	3E	26
V113	B	293	327	2D	21	V123	B	205	56	10D	30	X305	B	198	327	4B	21
V114	B	277	66	10A	30	V124	B	293	324	2D	21						
V115	B	277	48	10B	30	V125	B	239	169	10E	30						


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	04	19.07.96	ED ANALOG_UNIT ANALOG_UNIT	1078.2908.01 XY	13-



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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VARO2=GRUNDAUSFUEHRUNG MODO2=BASIC_MODEL				
C1	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C2	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C3	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C4	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C5	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C6	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C7	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C8	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C9	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C10	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C11	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C12	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C13	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C14	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C15	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C16	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C17	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C18	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C19	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C20	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C21	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C22	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C23	CT 20P/5P 4,5X4X2,6 SMD CERAMIC CHIP TRIMMER	CT 0008.1212.00	VALVO	2012 899 02004	
C24	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C25	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C26	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C27	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C28	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C29	CC 3,9NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2987.00	VITRAMON	VJ1206A392FXAT	
C30	CE 22UF+-20%35V RUND SMD SMD-ELEKTROLYTIC-CAPACIT.	CE 0009.6253.00	SANYO	35CV22FS	
C31	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C32	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C36	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C37	CC 3,9NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2987.00	VITRAMON	VJ1206A392FXAT	
C38	CE 22UF+-20%35V RUND SMD SMD-ELEKTROLYTIC-CAPACIT.	CE 0009.6253.00	SANYO	35CV22FS	
C39	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	

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		17	10.03.97	ED ANALOG_UNIT ANALOG UNIT	<b>1078.2908.01 SA</b>	1+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C40 . . 43	CC 5,6PFO, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C44	CT 104PF FOLIE LIEGEND TRIMMER	1030.9619.00	PHILIPS	2222 808 31101	
C45	CK 1UF+-5%50V7, 5X5, 5X10, 5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C46	CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C47	CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C48	CC 82PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	1097.6363.00			
C49	CC 82PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	1097.6363.00			
C50	CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C51	CC 47 PF+-1%500V NPO1206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C52	CC 4,7PFO, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	
C53	CC 1,5PFO, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4450.00	VITRAMON	VJ0603A *** BXAT	
C54	CC 68PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.9746.00	VITRAMON	VJ0603A *** FXAT	
C55	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5195.00	VITRAMON	VJ 1206 Y 473 K XAT	
C56	CC 68PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.9746.00	VITRAMON	VJ0603A *** FXAT	
C57	CT 6P /2P5 4,5X4X2,6 SMD CERAMIC CHIP TRIMMER	CT 0008.1187.00	VALVO	2012 899 02002	
C58	CT 6P /2P5 4,5X4X2,6 SMD CERAMIC CHIP TRIMMER	CT 0008.1187.00	VALVO	2012 899 02002	
C59	CC 15PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8227.00	VITRAMON	VJ0603A *** BXAT	
C60	CC 15PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8227.00	VITRAMON	VJ0603A *** BXAT	
C61	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C62	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C63	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C64	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C65	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C66	CK 1UF+-5%50V7, 5X5, 5X10, 5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C67	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C68	CE 22UF+-20%35V RUND SMD SMD-ELEKTROLYTIC-CAPACIT.	CE 0009.6253.00	SANYO	35CV22FS	
C71	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C72	CC 5,6PFO, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C73	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C74	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C75	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C76	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C77	CK 1UF+-5%50V7, 5X5, 5X10, 5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C78	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C82	CC 12PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8256.00	VITRAMON	VJ0603A *** FXAT	
C83	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C84	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C85	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	

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	<b>ROHDE &amp; SCHWARZ</b>	17	10.03.97	ED ANALOG_UNIT ANALOG UNIT	<b>1078.2908.01 SA</b>	2+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C86	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C87	CC 10PF+-1% 50V COG 0603 SMD-CERAMIC CAPACITOR	0008.2183.00	AVX	0603 5J 100 FAW TR	
C88	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C89	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C90	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C91	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C92	CE 22UF+-20%35V RUND SMD SMD-ELEKTROLYTIC-CAPACIT.	CE 0009.6253.00	SANYO	35CV22FS	
C93	CE 22UF+-20%35V RUND SMD SMD-ELEKTROLYTIC-CAPACIT.	CE 0009.6253.00	SANYO	35CV22FS	
C94 ..96	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C97	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C98	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5195.00	VITRAMON	VJ 1206 Y 473 K XAT	
C99	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C100 ..109	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C110 ..119	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C120	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C121	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C122	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C123 ..130	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C131	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C132 ..134	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C135 ..142	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C143	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C144 ..151	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C152	CC 47 PF+-1%500V NP01206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C153	CC 47 PF+-1%500V NP01206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C154	CC 82PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	1097.6363.00			
C155	CC 82PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	1097.6363.00			
C156	CC 47 PF+-1%500V NP01206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C157	CC 47 PF+-1%500V NP01206 CERAMIC CHIP CAPACITOR	1078.3362.00	VITRAMON	VJ1206A470F XET	
C158	CC 12PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8256.00	VITRAMON	VJ0603A *** FXAT	
C159	CT 6P /2P5 4,5X4X2,6 SMD CERAMIC CHIP TRIMMER	CT 0008.1187.00	VALVO	2012 899 02002	
C160	CC 15PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8227.00	VITRAMON	VJ0603A *** BXAT	
C161	CC 68PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.9746.00	VITRAMON	VJ0603A *** FXAT	
C162	CC 68PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.9746.00	VITRAMON	VJ0603A *** FXAT	
C163	CT 6P /2P5 4,5X4X2,6 SMD CERAMIC CHIP TRIMMER	CT 0008.1187.00	VALVO	2012 899 02002	
C164	CC 15PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8227.00	VITRAMON	VJ0603A *** BXAT	
C165	CC 15PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8227.00	VITRAMON	VJ0603A *** BXAT	
C166	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	VITRAMON	VJ1206 A 221 F AT	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C167	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	VITRAMON	VJ1206 A 221 F AT	
C168	CC 6,8NF+-1% 50V NPO 1210 SMD-CERAMIC CAPACITOR	0010.2993.00	VITRAMON	VJ1210A682FXAT	
C169	CC 6,8NF+-1% 50V NPO 1210 SMD-CERAMIC CAPACITOR	0010.2993.00	VITRAMON	VJ1210A682FXAT	
C170	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT	
C171	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT	
C172	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5195.00	VITRAMON	VJ 1206 Y 473 K XAT	
C173	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C174	CC 330PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8873.00	VITRAMON	VJ1206 A 331 F AT	
C175	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT	
C176	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C177	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT	
C178	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C179	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C185	CC 12PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8256.00	VITRAMON	VJ0603A *** FXAT	
C186	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C187	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C188	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C189	CC 10PF+-1% 50V COG 0603 SMD-CERAMIC CAPACITOR	0008.2183.00	AVX	0603 5J 100 FAW TR	
C190	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C191	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C192	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C193	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C194	CE 22UF+-20%35V RUND SMD SMD-ELEKTROLYTIC-CAPACIT.	CE 0009.6253.00	SANYO	35CV22FS	
C195	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C196	CE 22UF+-20%35V RUND SMD SMD-ELEKTROLYTIC-CAPACIT.	CE 0009.6253.00	SANYO	35CV22FS	
C197	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C198	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C199	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C200	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5195.00	VITRAMON	VJ 1206 Y 473 K XAT	
C201	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C202	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C206	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C207	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C208	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C212	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C213	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C214	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C215	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	VITRAMON	VJ 1210 Y 224 KFATM	
C216	CC 6,8NF+-1% 50V NPO 1210 SMD-CERAMIC CAPACITOR	0010.2993.00	VITRAMON	VJ1210A682FXAT	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C217	CK 1UF+-5%50V7, 5X5, 5X10, 5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C218	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C219	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C220	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C221	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C222	CC 6,8NF+-1% 50V NPO 1210 SMD-CERAMIC CAPACITOR	0010.2993.00	VITRAMON	VJ1210A682FXAT	
C223	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	VITRAMON	VJ 1210 Y 224 KFATM	
C224	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	VITRAMON	VJ 1210 Y 224 KFATM	
C225	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C226	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C227	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C228	CK 1UF+-5%50V7, 5X5, 5X10, 5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C229	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C230	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C231	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C232	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C233	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C234	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C235	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C236	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C237	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C238	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C239	CK 1UF+-5%50V7, 5X5, 5X10, 5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C240	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4896.00	VITRAMON	VJ0603Y***KXAT	
C241	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C242	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..244					
C245	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C246	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C247	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C248	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C249	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C250	CK 68NF+-5%63V RD2, 5H7MKT CAPACITOR	CK 0099.2923.00	WIMA	MKS2	
C251	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C252	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C253	CC 5,6PFO, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C254	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C255	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C256	CC 15NF+-1% 50V NPO 1812 SMD-CERAMIC CAPACITOR	0010.3748.00	VITRAMON	VJ1812A153FXAT	
C257	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C258	CK 68NF+-5%63V RD2,5H7MKT CAPACITOR	CK 0099.2923.00	WIMA	MKS2	
C259	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C260	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C261	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C262	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C263	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C264	CC 15NF+-1% 50V NPO 1812 SMD-CERAMIC CAPACITOR	0010.3748.00	VITRAMON	VJ1812A153FXAT	
C265	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C266	CC 2,2NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2964.00	VITRAMON	VJ1206A222FXAT	
C267	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C268	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C269	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C270	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C271	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C272	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C273	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C274	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..276	CC 10NF+-1% 50V NPO 1210 SMD-CERAMIC CAPACITOR	0010.3002.00	VITRAMON	VJ1210A103FXAT	
C277	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C278	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..281	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C282	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C283	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C284	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C285	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C286	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C287	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C288	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C289	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C290	CC 2,2NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2964.00	VITRAMON	VJ1206A222FXAT	
C291	CC 10NF+-1% 50V NPO 1210 SMD-CERAMIC CAPACITOR	0010.3002.00	VITRAMON	VJ1210A103FXAT	
C292	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C293	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C294	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C295	CC 2,2NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2964.00	VITRAMON	VJ1206A222FXAT	
C296	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C297	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C298	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C299	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C300	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	

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	<b>ROHDE &amp; SCHWARZ</b>	17	10.03.97	ED ANALOG_UNIT ANALOG UNIT	<b>1078.2908.01 SA</b>	6+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C301	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C302	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C303 ..305	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C306	CC 10NF+-1% 50V NPO 1210 SMD-CERAMIC CAPACITOR	0010.3002.00	VITRAMON	VJ1210A103FXAT	
C307	CC 5,6PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4521.00	VITRAMON	VJ0603A *** BXAT	
C308 ..310	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C311	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C312	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C313	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C314	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C315	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C316	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C317	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C318	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C319	CC 2,2NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2964.00	VITRAMON	VJ1206A222FXAT	
C320	CC 10NF+-1% 50V NPO 1210 SMD-CERAMIC CAPACITOR	0010.3002.00	VITRAMON	VJ1210A103FXAT	
C321	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C322	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C323	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C324	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C325	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C326 ..333	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C334	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C335 ..338	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C339	CK 2,2UF+-5% 50V RD7,2H13 CAPACITOR	CK 0350.5944.00	WIMA	MKS 2/2.2UF/50V/5%	
C340	CC 18PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	VITRAMON	VJ1206 A 180F FA	
C341 ..350	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C351	CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	
C352	CK 2,2UF+-5% 50V RD7,2H13 CAPACITOR	CK 0350.5944.00	WIMA	MKS 2/2.2UF/50V/5%	
C353	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C354	CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	
C355	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C356	CK 22NF+-5%63V RD2,5H7MKT CAPACITOR	CK 0099.2881.00	WIMA	MKS2	
C357	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C358	CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	
C359	CK 22NF+-5%63V RD2,5H7MKT CAPACITOR	CK 0099.2881.00	WIMA	MKS2	
C360	CK 4,7NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	0007.7630.00	ROEDERSTEI	KP1830-247 06 1 3 W	
C361	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	VITRAMON	VJ1206 A 100 C FA	
C362	CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	

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		17	10.03.97	ED ANALOG_UNIT ANALOG UNIT	<b>1078.2908.01 SA</b>	7+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C363	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C364	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4896.00	VITRAMON	VJ0603Y***KXAT	
C365 . . 374	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C375	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C376 . . 379	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C380	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	VITRAMON	VJ1206 A 100 C FA	
C381	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C382	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	VITRAMON	VJ1206 A 100 C FA	
C383	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	VITRAMON	VJ1206 A 100 C FA	
C384	CC 27PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8409.00	VITRAMON	VJ1206A 270F FA	
C385	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C386	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C387	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C388	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C389	CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	
C390	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C391	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C392	CC 18PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8767.00	VITRAMON	VJ1206 A 180F FA	
C393	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C394 . . 396	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C397	CC 100PF+-5%500V NPO1206 CERAMIC CHIP CAPACITOR	0007.8742.00	VITRAMON	VJ1206 A101J XET	
C398	CK 22NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7675.00	ROEDERSTEI	KP1830-322 06 1 3 W	
C399	CK 10NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7652.00	ROEDERSTEI	KP1830-310 06 1 3 W	
C400	CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	
C401	CK 4,7NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	0007.7630.00	ROEDERSTEI	KP1830-247 06 1 3 W	
C402	CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	
C403	CC 270PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8867.00	VITRAMON	VJ1206 A 271 F AT	
C404	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C405	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C406	CC 270PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8867.00	VITRAMON	VJ1206 A 271 F AT	
C407	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C408	CE 47UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7479.00	PANASONIC	ECA1 HFG 470 I	
C409	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C410	CE 470UF+-20% 10V RM5 ELECTROLYTIC CAPACITOR	CE 0008.1993.00	NAT. PANAS	ECA 1CFG 471 BQ	
C411	CE 47UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7479.00	PANASONIC	ECA1 HFG 470 I	
C412	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C413	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C414	CC 3,9PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C415	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	

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**ROHM & SCHWARZ**

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10.03.97

ED ANALOG\_UNIT

ANALOG UNIT


**1078.2908.01 SA**

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C416	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	VITRAMON	VJ1206 A 100 C FA	
C417	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	VITRAMON	VJ1206 A 100 C FA	
C418	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C419	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C420	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..423					
C424	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C425	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C426	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C427	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C428	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C429	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C430	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C431	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C432	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C433	CC 15PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8227.00	VITRAMON	VJ0603A *** BXAT	
C434	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C435	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C436	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C437	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C438	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C439	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C440	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C441	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C442	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C443	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C444	CC 3,3NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2970.00	VITRAMON	VJ1206A332FXAT	
C445	CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4538.00	VITRAMON	VJ0603A *** BXAT	
C446	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C447	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C448	CC 1,2NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7400.00	VITRAMON	VJ1206 A 122 F FAT	
C449	CC 470PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8515.00	VITRAMON	VJ1206 A 471 F AT	
C450	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C451	CC 10 PF+-5%500V NPO 1206 CERAMIC CHIP CAPACITOR	0007.8671.00	VITRAMON	VJ1206 A100C XET	
C452	CC 10 PF+-5%500V NPO 1206 CERAMIC CHIP CAPACITOR	0007.8671.00	VITRAMON	VJ1206 A100C XET	
C453	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C454	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C455	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C456	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C457	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	


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		17	10.03.97	ED ANALOG_UNIT ANALOG UNIT	<b>1078.2908.01 SA</b>	9+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C458	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C459	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
. . 468 C469	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C470	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C471	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C472	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C473	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
. . 480 C481	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C482	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C483	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4896.00	VITRAMON	VJ0603Y***KXAT	
C484	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C485	CE 100UF+-20%63V RM5 ELECTROLYTIC CAPACITOR	CE 0008.7879.00	PANASONIC	ECA 1 JFG 101 BQ	
C486	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C487	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C488	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C489	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4896.00	VITRAMON	VJ0603Y***KXAT	
C490	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C491	CE 100UF+-20%63V RM5 ELECTROLYTIC CAPACITOR	CE 0008.7879.00	PANASONIC	ECA 1 JFG 101 BQ	
C492	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C493	CT 10P/3P 4,5X4X2,6 SMD CERAMIC CHIP TRIMMER	CT 0008.1206.00	VALVO	2012 899 02003	
C494	CT 104PF FOLIE LIEGEND TRIMMER	1030.9619.00	PHILIPS	2222 808 31101	
C495	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C496	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C497	CT 104PF FOLIE LIEGEND TRIMMER	1030.9619.00	PHILIPS	2222 808 31101	
C498	CC 2,2NF+-1% 50V NPO 1206 SMD-CERAMIC CAPACITOR	0010.2964.00	VITRAMON	VJ1206A222FXAT	
C499	CC 390PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8880.00	VITRAMON	VJ1206 A 391 F AT	
C500	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C501	CC 1,2NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7400.00	VITRAMON	VJ1206 A 122 F FAT	
C502	CC 220PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8850.00	VITRAMON	VJ1206 A 221 F AT	
C503	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
. . 508 C509	CC 3,9PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C510	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C511	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C512	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C513	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C514	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C515	CE 470UF+-20% 10V RM5 ELECTROLYTIC CAPACITOR	CE 0008.1993.00	NAT. PANAS	ECA 1CFG 471 BQ	
C516	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C517	CT 10P/3P 4,5X4X2,6 SMD CERAMIC CHIP TRIMMER	CT 0008.1206.00	VALVO	2012 899 02003	

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	<b>ROHDE &amp; SCHWARZ</b>	17	10.03.97	ED ANALOG_UNIT ANALOG UNIT	<b>1078.2908.01 SA</b>	10+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C518	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C526	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C527	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C528	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C529	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C530	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C531	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C532	CC 12PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8256.00	VITRAMON	VJ0603A *** FXAT	
C533	CC 2,2PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.4467.00	VITRAMON	VJ0603A *** BXAT	
C534	CC 15PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8227.00	VITRAMON	VJ0603A *** BXAT	
C535	CC 15PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8227.00	VITRAMON	VJ0603A *** BXAT	
C536	CC 1,5PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8159.00	VITRAMON	VJ1206 A 1R5 C AT	
C537	CC 6,8P+-0,25P NPO 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	0007.8665.00	VITRAMON	VJ1206 A6R8C XET	
C538	CC 6,8P+-0,25P NPO 1206 CERAMIC CHIP CAPACITOR	0007.8665.00	VITRAMON	VJ1206 A6R8C XET	
C539	CC 6,8P+-0,25P NPO 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	0007.8665.00	VITRAMON	VJ1206 A6R8C XET	
C540	CC 6,8PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8262.00	VITRAMON	VJ0603A *** BXAT	
C541	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C542	CC 6,8PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8262.00	VITRAMON	VJ0603A *** BXAT	
C543	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C544	CK 1UF+-5%50V7,5X5,5X10,5 CAPACITOR	CK 0099.2998.00	WIMA	MKS2/50/1UF/5%	
C545	CC 10PF+-1% 50V COG 0603 SMD-CERAMIC CAPACITOR	0008.2183.00	AVX	0603 5J 100 FAW TR	
C546	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C547	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C548	CC 47PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4644.00	VITRAMON	VJ0603A *** FXAT	
C549	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C550	CC 10PF+-1% 50V COG 0603 SMD-CERAMIC CAPACITOR	0008.2183.00	AVX	0603 5J 100 FAW TR	
C551	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C552	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C553	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C554	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C555	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4896.00	VITRAMON	VJ0603Y***KXAT	
C556	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJ0603Y***KXAT	
C557	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJ0603Y***KXAT	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C558 ..560	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
D1	BC X24164S8 2KX8 EEPROM IC MEMORY	2013.8937.00	XICOR INC.	XC24164S8	
D2	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	BL 0007.6291.00	PHILIPS SE	74HCT86D	
D3	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D4	BS DG409DY 2X 4CHAN.MUX IC ANALOG MULTIPLEXER	1031.5452.00	SILICONIX	DG409DY	
D5	BJ CS5390K STEREO 2OB-ADC IC NLOG DIGITAL CONVERT	1078.3191.00	CRYSTAL-SE	CS5390-KS	
D6	BJ MAX121CWE 1X14B-ADC IC ANALOG DIGITAL CONV	1078.3179.00	MAXIM	MAX121CWE	
D7	BL PC74HCT244T 8XBUFF 3S OCTAL BUFFER	BL 0007.6562.00	PHILIPS SE	74HCT244D	
D8	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
D9	BL PC74HCT04T 6XINVERT HEXINVERTER	BL 0007.5372.00	PHILIPS SE	74HCT04D	
D10	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D11	BJ TPIC6B595 8B.MOSF.DRIV IC POWER LOGIC 8BSHREG	1078.3279.00	TEXAS INST	TPIC6B595DW	
D12	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D13	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D14	BJ TPIC6B595 8B.MOSF.DRIV IC POWER LOGIC 8BSHREG	1078.3279.00	TEXAS INST	TPIC6B595DW	
D15	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D16	BJ TPIC6B595 8B.MOSF.DRIV IC POWER LOGIC 8BSHREG	1078.3279.00	TEXAS INST	TPIC6B595DW	
D17	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D18	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D19	BJ TPIC6B595 8B.MOSF.DRIV IC POWER LOGIC 8BSHREG	1078.3279.00	TEXAS INST	TPIC6B595DW	
D20	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D21	BS SD5400CY 4X ANALOGSCH QUAD ANALOG SWITCH	0351.0000.00	SILICONIX	SD5400CY	
D22	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D23	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D24	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D25 ..29	BS SD5400CY 4X ANALOGSCH QUAD ANALOG SWITCH	0351.0000.00	SILICONIX	SD5400CY	
D30	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D31	BS SD5400CY 4X ANALOGSCH QUAD ANALOG SWITCH	0351.0000.00	SILICONIX	SD5400CY	
D32	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D33	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D34 ..38	BS SD5400CY 4X ANALOGSCH QUAD ANALOG SWITCH	0351.0000.00	SILICONIX	SD5400CY	
D39	BL PC74HCT74T 2XD-FLIPFL DUAL D-TYPE FLIP FLOP	BL 0007.6262.00	PHILIPS SE	74HCT74D	
D40	BJ TPIC6B595 8B.MOSF.DRIV IC POWER LOGIC 8BSHREG	1078.3279.00	TEXAS INST	TPIC6B595DW	
D41	BJ TPIC6B595 8B.MOSF.DRIV IC POWER LOGIC 8BSHREG	1078.3279.00	TEXAS INST	TPIC6B595DW	
D42	BL PC74HCT08T 4X2IN ANDG AND GATE	BL 0007.6179.00	PHILIPS SE	74HCT08D	
D43	BL 74AC74SC 2XD-FLIPFL DUAL D-TYPE FLIPF	BL 0820.3602.00	NSC	74AC74SC	
D44	BL 74AC74SC 2XD-FLIPFL DUAL D-TYPE FLIPF	BL 0820.3602.00	NSC	74AC74SC	
D45	BL PC74HCT02T 4X2IN NORG QUAD 2INPUT NORGATE	BL 0007.5366.00	PHILIPS SE	74HCT02D	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
D46	BL PC74HCT74T 2XD-FLIPFL DUAL D-TYPE FLIP FLOP	BL 0007.6262.00	PHILIPS SE	74HCT74D	
D47	BJ CS4303KS STEREO-DAC IC DIGITAL	1078.3333.00	CRYSTAL-SE	CS4303-KS	
D48	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	BL 0007.6291.00	PHILIPS SE	74HCT86D	
D49	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D50	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D51	BL 74AC74SC 2XD-FLIPFL DUAL D-TYPE FLIPF	BL 0820.3602.00	NSC	74AC74SC	
D52	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
D53	BL 74ACT08SC 4X2-IN AND IC QUAD 2-INP AND GATE	BL 1012.9362.00	HARRIS	CD74ACT08M	
D54	BL PC74HCT390T 2X4B COUNT DECADE COUNTER	BL 0007.6685.00	PHILIPS SE	74HCT390D	
D55	BL 74ACT74SC 2XRSFLIPFLOP IC DUAL D-FLIPFLOP	BL 0008.0680.00	HARRIS	CD74ACT74M	
D56	BL PC74HCT03T 4X2IN NAND NAND GATE	BL 0007.6162.00	PHILIPS SE	74HCT03D	
D57	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
D58	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
G1	EO 49,152MHZ-QU.OSZ 5V CLOCK OSCILLATOR	1030.8541.00	PHILIPS	X05850 49,152 MHZ	
G2	EO 49,152MHZ-QU.OSZ 5V CLOCK OSCILLATOR	1030.8541.00	PHILIPS	X05850 49,152 MHZ	
G3	BO REFO2CS VREF IC VOLTAGE REFERENCE	0009.6882.00	ANALOG DEV	REFO2CS	
H1 ..8	EF BI-PINLAMPE 60V20MA LAMP	1078.3285.00	OSHIND	OL-6195 BPR	
K1 ..4	SN GEPOLT 2XUM 5V MONOST. RELAY	1078.3262.00	MATSUSHITA	TQ2SA-5V-Z	<i>(SAD) NAIS</i> <i>→ 313.5 (Bomw) 5.1 wil</i> <i>och em</i> <i>T YCO</i>
K5	SN RELAIS 5V 1XU MONOST. RELAY	1078.3256.00	SIEMENS	V23026-D1021-B201	
K6 ..10	SN GEPOLT 2XUM 5V MONOST. RELAY	1078.3262.00	MATSUSHITA	TQ2SA-5V-Z	
K11 ..13	SN RELAIS 5V 1XU MONOST. RELAY	1078.3256.00	SIEMENS	V23026-D1021-B201	
K14 ..17	SN GEPOLT 2XUM 5V MONOST. RELAY	1078.3262.00	MATSUSHITA	TQ2SA-5V-Z	
K18	SN RELAIS 5V 1XU MONOST. RELAY	1078.3256.00	SIEMENS	V23026-D1021-B201	
K19 ..23	SN GEPOLT 2XUM 5V MONOST. RELAY	1078.3262.00	MATSUSHITA	TQ2SA-5V-Z	
K24 ..26	SN RELAIS 5V 1XU MONOST. RELAY	1078.3256.00	SIEMENS	V23026-D1021-B201	
K101 ..103	SN GEPOLT 2XUM 5V MONOST. RELAY	1078.3262.00	MATSUSHITA	TQ2SA-5V-Z	
K104	SN RELAIS 5V 1XU MONOST. RELAY	1078.3256.00	SIEMENS	V23026-D1021-B201	
K105 ..113	SN GEPOLT 2XUM 5V MONOST. RELAY	1078.3262.00	MATSUSHITA	TQ2SA-5V-Z	
K238	SN GEPOLT 2XUM 5V MONOST. RELAY	1078.3262.00	MATSUSHITA	TQ2SA-5V-Z	
K240	SN RELAIS 5V 1XU MONOST. RELAY	1078.3256.00	SIEMENS	V23026-D1021-B201	
K300 ..302	SR 5V 500 OHM 1X1 SIL RELAY 5V SIL	1012.9604.00	CLARE	DSS4 1A 05R	
L1 ..6	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	
L7	LD 22UH 10% 0,14A 1210 SMD-INDUCTOR	LD 0520.7886.00	SIEMENS	B82422-A1223-K100	
L8	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	
N1	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N2 ..6	BO NE5532D 2XLN OPAMP OPERATIONAL AMPLIFIER	0007.7798.00	SIGNETICS	NE5532D	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
N7 ..14	BO NE5534AD LN OPAMP IC OPAMP	1011.5528.00	PHILIPS	NE5534AD	
N15	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N16	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N17	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N18	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N19	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG DEV	AD744KR	
N20	BO NE5534AD LN OPAMP IC OPAMP	1011.5528.00	PHILIPS	NE5534AD	
N21	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N22	BO TLO74ACD 4XFET OPAMP OPERATIONAL AMPLIFIER	0007.7823.00	TEXAS INST	TLO74ACD	
N23	BO M78LO5ACM+5V5%0A1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78LO5ACM	
N24	BO M78LO5ACM+5V5%0A1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78LO5ACM	
N25	BO M79LO5ACM-5V5%0A1VREGL VOLTAGE REGULATOR 5VDC	0851.6703.00	NSC	LM79LO5ACM	
N26 ..29	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D	
N30	BO OP27GS LN OPAMP OPAMP	6024.3214.00	PMI	OP27GS	
N31	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG DEV	AD744KR	
N34	BO OPA627AU OPAMP IC OPARATIONAL AMPLIFIER	1043.9535.00	BURR BROWN	OPA627AU	
N35	BO OPA627AU OPAMP IC OPARATIONAL AMPLIFIER	1043.9535.00	BURR BROWN	OPA627AU	
N36	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N37	BO AD797BR LN/LD/LO OPAMP IC LOW NOISE OPAMP	1030.9383.00	ANALOG DEV	AD797BR	
N38	BO AD797BR LN/LD/LO OPAMP IC LOW NOISE OPAMP	1030.9383.00	ANALOG DEV	AD797BR	
N39	BO NE5534AD LN OPAMP IC OPAMP	1011.5528.00	PHILIPS	NE5534AD	
N40	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N42	BO TLO74ACD 4XFET OPAMP OPERATIONAL AMPLIFIER	0007.7823.00	TEXAS INST	TLO74ACD	
N43	BO NE5532D 2XLN OPAMP OPERATIONAL AMPLIFIER	0007.7798.00	SIGNETICS	NE5532D	
N44	BO OPA627AU OPAMP IC OPARATIONAL AMPLIFIER	1043.9535.00	BURR BROWN	OPA627AU	
N45	BO OPA627AU OPAMP IC OPARATIONAL AMPLIFIER	1043.9535.00	BURR BROWN	OPA627AU	
N46	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N47	BO AD797BR LN/LD/LO OPAMP IC LOW NOISE OPAMP	1030.9383.00	ANALOG DEV	AD797BR	
N48	BO AD797BR LN/LD/LO OPAMP IC LOW NOISE OPAMP	1030.9383.00	ANALOG DEV	AD797BR	
N49	BO NE5532D 2XLN OPAMP OPERATIONAL AMPLIFIER	0007.7798.00	SIGNETICS	NE5532D	
N50 ..53	BO NE5534AD LN OPAMP IC OPAMP	1011.5528.00	PHILIPS	NE5534AD	
N54	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N55	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N56 ..59	BO NE5534AD LN OPAMP IC OPAMP	1011.5528.00	PHILIPS	NE5534AD	
N60	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N61	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N62	BJ TMO4FS TEMP.SENSOR SER TEMPERATUR SENSOR	1078.3327.00	ANALOG DEV	TMO4FS	
N63	BO HA7-5221-5 1XLN OPAMP IC OPAMP	1030.9390.00	HARRIS	HA7-5221-5	
N64 ..66	BO NE5532AFE 2XLN OPAMP OPERATIONAL AMPLIFIER	BO 0356.0450.00	PHILIPS-CO	NE5532AFE	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
N67	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N68	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N69	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE	
N70	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N71	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST TL	072 ACDR	
N72	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N74	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N75	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N76	BO M78LO5ACM+5V5%OA1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78LO5ACM	
N77	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N78	BO NE5532AFE 2XLN OPAMP OPERATIONAL AMPLIFIER	BO 0356.0450.00	PHILIPS-CO	NE5532AFE	
N79	BO NE5534AD LN OPAMP IC OPAMP	1011.5528.00	PHILIPS	NE5534AD	
N80	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N81	BO NE5534 1XLN OPAMP IC OPAMP	0009.5570.00	PHILIPS SE	NE5534AN	
N82	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE	
N83	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE	
P1 ..24 P25	VL EINPRESSTIFT L=6,8 PIN VL EINPRESSTIFT L=6,8 PIN NICHT BESTUECKT NOT FITTED	VL 0010.7250.00 VL 0010.7250.00	AMP AMP	1-928776-5 1-928776-5	
R1 ..4	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R5	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R6	RG 887 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9952.00	MIKRO-TEK-	CMF 1206	
R7	RG 73,2 OHM+-1%TK100 1206 RESISTOR	0010.0690.00			
R8	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R9	RG 1,87KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0003.00	MIKRO-TEK-	CMF 1206	
R10	RG 536 OHM+-1%TK100 1206 RESISTOR	0010.1897.00			
R11	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R12	RG 1,69KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9998.00	MIKRO-TEK-	CMF 1206	
R13	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R14	RG RICHTIGE SNR.0006.8990 RESISTOR	0010.1945.00			
R15	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R16	RG 1,54KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9981.00	MIKRO-TEK-	CMF 1206	
R17	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R18	RG 2,05KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0603.00	MIKRO-TEK-	CMF 1206	
R19	RG 1,96KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0590.00	MIKRO-TEK-	CMF 1206	
R20	RG 1,87KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0003.00	MIKRO-TEK-	CMF 1206	
R21	RG 698 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9946.00	MIKRO-TEK-	CMF 1206	
R22	RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	DALE	CRCW1206-10 7K50 F-T	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R23	RG 100,0KO+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0655.00	MIKRO-TEK-	CMF 1206	
R24	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R25	RG 5,62KOH+-0,1%TK25 1206 RESISTOR	0009.8440.00	MIKRO-TEK-	CMF 1206	
R26	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R27	RG 402 OHM+-1%TK100 1206 RESISTOR	0010.1900.00			
R28	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R29	RG 1,87KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0003.00	MIKRO-TEK-	CMF 1206	
R30	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R31	RG 1,26KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8840.00	MIKRO-TEK-	CMF 1206	
R32	RG 1,26KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8840.00	MIKRO-TEK-	CMF 1206	
R33	RG 909 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9969.00	MIKRO-TEK-	CMF 1206	
R34	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R35	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R36	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R37	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R38	RG 1,26KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8840.00	MIKRO-TEK-	CMF 1206	
R39	RG 1,26KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8840.00	MIKRO-TEK-	CMF 1206	
R40	RG 909 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9969.00	MIKRO-TEK-	CMF 1206	
R41	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R42	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R43	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R44	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R45	RG 5,36KOH+-0,1%TK25 1206 RESISTOR	0010.2912.00	MIKRO-TEK-	CMF 1206	
R46	RG 5,11KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8185.00	MIKRO-TEK-	CMF 1206	
R47	RG 3,57KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5795.00	DALE	CRCW1206-10 3K57 F-T	
R48	RG 6,19KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0741.00	DALE	CRCW1206-10 6K19 F-T	
R49	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
..51					
R52	RG 5,36KOH+-0,1%TK25 1206 RESISTOR	0010.2912.00	MIKRO-TEK-	CMF 1206	
R53	RG 5,11KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8185.00	MIKRO-TEK-	CMF 1206	
R54	RG 3,57KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5795.00	DALE	CRCW1206-10 3K57 F-T	
R55	RG 6,19KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0741.00	DALE	CRCW1206-10 6K19 F-T	
R56	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
..58					
R59	RG 200KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206	
R60	RG 68R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6930.00	DALE	CRCW 0603	....0
R61	RG 15R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6899.00	DALE	CRCW 0603	....0
R62	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R63	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R64	RG 5,36KOH+-0,1%TK25 1206 RESISTOR	0010.2912.00	MIKRO-TEK-	CMF 1206	
R65	RG 15R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6899.00	DALE	CRCW 0603	....0

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R66	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206	
R67	RG 100,0KO+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0655.00	MIKRO-TEK-	CMF 1206	
R68	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206	
R69	RG 24,9KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0626.00	MIKRO-TEK-	CMF 1206	
R70	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206	
R71	RG 12,0KOH+-0, 1%TK25 1206 SMD-RESISTOR	0009.7620.00	MIKRO-TEK-	CMF 1206	
R72	RG 49,9KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0649.00	MIKRO-TEK-	CMF 1206	
R73	RG 6,19KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.8885.00	MIKRO-TEK-	CMF 1206	
R74	RG 47R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6924.00	DALE	CRCW 0603	....0
R75	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R76	RG 68R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6930.00	DALE	CRCW 0603	....0
R77	RG 2,0KOHM+-0, 1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R78	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R79	RG 5,36KOH+-0, 1%TK25 1206 RESISTOR	0010.2912.00	MIKRO-TEK-	CMF 1206	
R80	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R81	RG 100,0KO+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0655.00	MIKRO-TEK-	CMF 1206	
R82	RG 2,0KOHM+-0, 1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R87	RG 31,6KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0632.00	MIKRO-TEK-	CMF 1206	
R88	RG 1,0 KO +-0, 1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R89	RG 4,64KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0610.00	MIKRO-TEK-	CMF 1206	
R90	RG 220K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7108.00	DALE	CRCW 0603	....0
R91	RG 470K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7120.00	DALE	CRCW 0603	....0
R92	RG 49,9KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0649.00	MIKRO-TEK-	CMF 1206	
R93	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206	
R94	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206	
R95	RG 24,9KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0626.00	MIKRO-TEK-	CMF 1206	
R96	RG 12,0KOH+-0, 1%TK25 1206 SMD-RESISTOR	0009.7620.00	MIKRO-TEK-	CMF 1206	
R97	RG 6,19KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.8885.00	MIKRO-TEK-	CMF 1206	
R98	RG 47R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6924.00	DALE	CRCW 0603	....0
R99	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R100	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206	
R101	RG 68R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6930.00	DALE	CRCW 0603	....0
R102	RG 15R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6899.00	DALE	CRCW 0603	....0
R103	RG 2,0KOHM+-0, 1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R104	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R105	RG 21,5KOH+-0, 1%TK25 1206 RESISTOR	0010.2929.00	MIKRO-TEK-	CMF 1206	
R106	RG 15R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6899.00	DALE	CRCW 0603	....0
R107	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206	
R108	RG 100,0KO+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0655.00	MIKRO-TEK-	CMF 1206	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
R109	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206		
R110	RG 24,9KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0626.00	MIKRO-TEK-	CMF 1206		
R111	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206		
R112	RG 12,0KOH+-0, 1%TK25 1206 SMD-RESISTOR	0009.7620.00	MIKRO-TEK-	CMF 1206		
R113	RG 49,9KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0649.00	MIKRO-TEK-	CMF 1206		
R114	RG 6,19KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.8885.00	MIKRO-TEK-	CMF 1206		
R115	RG 47R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6924.00	DALE	CRCW 0603	....0	
R116	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0	
R117	RG 68R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6930.00	DALE	CRCW 0603	....0	
R118	RG 2,0KOHM+-0, 1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206		
R119	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0	
R120	RG 21,5KOH+-0, 1%TK25 1206 RESISTOR	0010.2929.00	MIKRO-TEK-	CMF 1206		
R121	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0	
R122	RG 100,0KO+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0655.00	MIKRO-TEK-	CMF 1206		
R123	RG 2,0KOHM+-0, 1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206		
R127	RG 31,6KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0632.00	MIKRO-TEK-	CMF 1206		
R128	RG 1,0 KO +-0, 1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206		
R129	RG 4,64KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0610.00	MIKRO-TEK-	CMF 1206		
R130	RG 220K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7108.00	DALE	CRCW 0603	....0	
R131	RG 470K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7120.00	DALE	CRCW 0603	....0	
R132	RG 49,9KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0649.00	MIKRO-TEK-	CMF 1206		
R133	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206		
R134	RG 200KOHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7720.00	MIKRO-TEK-	CMF 1206		
R135	RG 24,9KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0010.0626.00	MIKRO-TEK-	CMF 1206		
R136	RG 12,0KOH+-0, 1%TK25 1206 SMD-RESISTOR	0009.7620.00	MIKRO-TEK-	CMF 1206		
R137	RG 6,19KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.8885.00	MIKRO-TEK-	CMF 1206		
R138	RG 47R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6924.00	DALE	CRCW 0603	....0	
R139	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0	
R140	RG 301 OHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206		
R141	RG 82,5KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7737.00	MIKRO-TEK-	CMF 1206		
R142	RG 301 OHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206		
R143	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0	
R144	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0	
R145	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0	
R146	RG 301 OHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206		
R147	RG 1,0 KO +-0, 1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206		
R148	RG 82,5KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7737.00	MIKRO-TEK-	CMF 1206		
R149	RG 301 OHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206		
R150	RG 82,5KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7737.00	MIKRO-TEK-	CMF 1206		
R151	RG 301 OHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206		
R152	RG 82,5KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7737.00	MIKRO-TEK-	CMF 1206		
R153	RG 301 OHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206		
R154	RG 82,5KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7737.00	MIKRO-TEK-	CMF 1206		
R155	RG 82,5KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7737.00	MIKRO-TEK-	CMF 1206		
R156	RG 82,5KOH+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.7737.00	MIKRO-TEK-	CMF 1206		
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R161	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R162	RG 13,0 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9069.00	DALE	CRCW 0603	....0
R163	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R164	RG 82,5KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7737.00	MIKRO-TEK-	CMF 1206	
R165	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R166	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R167	RG 3,16KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8204.00	MIKRO-TEK-	CMF 1206	
R168	RG 3,16KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8204.00	MIKRO-TEK-	CMF 1206	
R169	RS 0,25W 50 OHM+-20% SMD POTENTIOMETER	RS 0007.9578.00	BOURNS	3314G-1-500	
R170	RG 12K1 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8462.00			
R171	RG 12K1 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8462.00			
R172	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R173	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R174	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R175	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
..179	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R180	RG 150K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7095.00	DALE	CRCW 0603	....0
R181	RG 150K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7095.00	DALE	CRCW 0603	....0
R182	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R183	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R184	RG 3,16KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8204.00	MIKRO-TEK-	CMF 1206	
R185	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603	....0
R186	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R187	RG 3R32 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8362.00			
R188	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R191	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R192	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603	....0
R193	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R194	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R195	RG 3,16KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8204.00	MIKRO-TEK-	CMF 1206	
R196	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R197	RG 164 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7808.00	MIKRO-TEK-	CMF 1206	
..199	RG 56R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9646.00	DALE	CRCW 0603	....0
R200	RG 164 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7808.00	MIKRO-TEK-	CMF 1206	
R201	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R202	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R203	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R204	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R205	RG 13,0 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9069.00	DALE	CRCW 0603	....0
R206	RG 13,0 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9069.00	DALE	CRCW 0603	....0
R207	RG 13,0 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9069.00	DALE	CRCW 0603	....0

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R208	RG 12K1 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8462.00			
R209	RN 4X1K 0,1% 0,3W S08 RESISTOR NETWORK	1078.3340.00	BOURNS	4K08T-001-1001BC	
R210	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R211	RG 100,0K0+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0655.00	MIKRO-TEK-	CMF 1206	
R212	RS 0,3W 10 OHM+-10%CERMET TRIMMING POTENTIOMETER	RS 0006.9100.00	BECKMAN	67W 100HM 10%	
R213	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R214	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T	
R215	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R216	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R217	RG 1,87KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0003.00	MIKRO-TEK-	CMF 1206	
R218	RS 0,25W 50 OHM+-20% SMD POTENTIOMETER	RS 0007.9578.00	BOURNS	3314G-1-500	
R219	RG 1K5 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6999.00	DALE	CRCW 0603	....0
R220	RG 1,91KOHM+-1%TK100 1206 SMD-RESISTOR EIA1206	1051.4600.00			
R221	RG 47R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6924.00	DALE	CRCW 0603	....0
R222	RG 1,62KOHM+-0,1TK25 1206 SMD-RESISTOR EIA1206	0009.7795.00	MIKRO-TEK-	CMF 1206	
R223	RG 130 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5572.00	DALE	CRCW1206-10 130R F-T	
R224	RG 6,80KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8891.00	MIKRO-TEK-	CMF 1206	
R225	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R226	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R227	RG 12K1 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8462.00			
R228	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R229	RG 4,75KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8856.00	MIKRO-TEK-	CMF 1206	
R230	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R231	RG 4,75KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8856.00	MIKRO-TEK-	CMF 1206	
R232	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R233	RG 3K3 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7014.00	DALE	CRCW 0603	....0
R234	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R235	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R236	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R237	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R238	RG 12K1 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8462.00			
R239	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R240	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R243	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R244	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R245	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R246	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R247	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R248	RG 31,6KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0632.00	MIKRO-TEK-	CMF 1206	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R249	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R250	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R251	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R252	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R253	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R256	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R259	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R260	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603	....0
R261	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603	....0
R262	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R263	RG 164 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7808.00	MIKRO-TEK-	CMF 1206	
R269	RG 164 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7808.00	MIKRO-TEK-	CMF 1206	
R270	RG 164 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R271	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R272	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R273	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R274	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R275	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R276	RN 4X1K 0,1% 0,3W S08 RESISTOR NETWORK	1078.3340.00	BOURNS	4K08T-001-1001BC	
R277	RG 1,0MDHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T	
R278	RS 0,3W 10 OHM+-10% CERMET TRIMMING POTENTIOMETER	RS 0006.9100.00	BECKMAN	67W 100HM 10%	
R279	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R280	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R281	RG 12K1 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8462.00			
R282	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R283	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R284	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R285	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R286	RG 56R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9646.00	DALE	CRCW 0603	....0
R287	RG 1,87KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0003.00	MIKRO-TEK-	CMF 1206	
R288	RG 1K5 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6999.00	DALE	CRCW 0603	....0
R289	RG 1,91KOHM+-1%TK100 1206 SMD-RESISTOR EIA1206	1051.4600.00			
R290	RG 47R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6924.00	DALE	CRCW 0603	....0
R291	RG 1,62KOHM+-0,1TK25 1206 SMD-RESISTOR EIA1206	0009.7795.00	MIKRO-TEK-	CMF 1206	
R292	RG 130R +-1% TK200 0603 SMD RESISTOR EIA0603	1078.3110.00			
R293	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R294	RG 6,80KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8891.00	MIKRO-TEK-	CMF 1206	
R295	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R296	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R297	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0

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Kannz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R298	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R299	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R300	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R301	RG 4,75KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8856.00	MIKRO-TEK-	CMF 1206	
R302	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R303	RG 31,6KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0010.0632.00	MIKRO-TEK-	CMF 1206	
R304	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R305	RG 4,75KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8856.00	MIKRO-TEK-	CMF 1206	
R306	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R307	RG 3K3 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7014.00	DALE	CRCW 0603	....0
R308	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
..311	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R312	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
..314	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R315	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
R316	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R317	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R318	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R319	RG 15,0KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R320	RG 15,0KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R321	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R322	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R323	RG 51,0 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9030.00	DALE	CRCW 0603	....0
R324	RG 100 OHM+-0,1%TK25 1206 SMD-RESISTOR	0009.8033.00	MIKRO-TEK-	CMF 1206	
R325	RG 100 OHM+-0,1%TK25 1206 SMD-RESISTOR	0009.8033.00	MIKRO-TEK-	CMF 1206	
R326	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R327	RG 100 OHM+-0,1%TK25 1206 SMD-RESISTOR	0009.8033.00	MIKRO-TEK-	CMF 1206	
R328	RG 100 OHM+-0,1%TK25 1206 SMD-RESISTOR	0009.8033.00	MIKRO-TEK-	CMF 1206	
R329	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R330	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R331	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R332	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R333	RG 301 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9269.00	MIKRO-TEK-	CMF 1206	
..336	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R337	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
..343	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R344	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
..347	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R348	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
..351	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R352	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R353	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
..363	RG 200 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5608.00	DALE	CRCW1206-10 200R F-T	
R364	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R365	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R366	RG 422KOHM+-0,1%TK25 1206 RESISTOR	0010.2958.00	MIKRO-TEK-	CMF 1206	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R367	RG 13,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5837.00	DALE	CRCW1206-10 13K F-T	
R368	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R369	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
R370	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R371	RG 1,21KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7789.00	MIKRO-TEK-	CMF 1206	
R372	RG 422KOHM+-0,1%TK25 1206 RESISTOR	0010.2958.00	MIKRO-TEK-	CMF 1206	
R373	RG 3,09KOH+-0,1%TK25 1206 RESISTOR	0010.2264.00	MIKRO-TEK-	CMF 1206	
R374	RG 3,01KOH+-0,1%TK25 1206 RESISTOR	0010.2058.00	MIKRO-TEK-	CMF 1206	
R375	RG 20,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5472.00	DALE	CRW1206-10 20R F-T	
R376	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R377	RG 20,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5472.00	DALE	CRW1206-10 20R F-T	
R378	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R379	RG 1,62KOHM+-0,1TK25 1206 SMD-RESISTOR EIA1206	0009.7795.00	MIKRO-TEK-	CMF 1206	
R380	RG 1,62KOHM+-0,1TK25 1206 SMD-RESISTOR EIA1206	0009.7795.00	MIKRO-TEK-	CMF 1206	
R381	RG 19,6KOHM+-1%TK100 1206 CHIP RESISTOR	0007.0893.00	DRALORIC	CGB 3216 19,6KOHM 2%	
R382	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R383	RG 2,61KOHM+-1%TK100 1206 CHIP RESISTOR	0007.0658.00	DRALORIC	CGB 3216 2,61KOHM 2%	
R384	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	DALE	CRCW1206-10 1K21 F-T	
R385	RG 3,83KOH+-0,1%TK25 1206 RESISTOR	0010.2893.00	MIKRO-TEK-	CMF 1206	
R386	RG 1,62KOHM+-0,1TK25 1206 SMD-RESISTOR EIA1206	0009.7795.00	MIKRO-TEK-	CMF 1206	
R387	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R388	RG 1,62KOHM+-0,1TK25 1206 SMD-RESISTOR EIA1206	0009.7795.00	MIKRO-TEK-	CMF 1206	
R389	RG 3,32KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7772.00	MIKRO-TEK-	CMF 1206	
R390	RS 0,3W 50KOHM+-10% CERMET TRIMMING POTENTIOMETER	RS 0006.6700.00	BOURNS	3296W-1- 50KOHM+-10%	
R391	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R392	RG 150 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5972.00	DALE	CRCW1206-10 150K F-T	
R393	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R394	RG 1,82KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.8010.00	MIKRO-TEK-	CMF 1206	
R395	RG 1,82KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.8010.00	MIKRO-TEK-	CMF 1206	
R396	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R397	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R398	RG 39,7KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8079.00	MIKRO-TEK-	CMF 1206	
R399	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R400	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R401	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R402	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R403	RG 1,82KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.8010.00	MIKRO-TEK-	CMF 1206	
R404	RG 1,82KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.8010.00	MIKRO-TEK-	CMF 1206	
R405	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R406	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R407	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R408	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R409	RG 10,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7666.00	MIKRO-TEK-	CMF 1206	
R410	RG 22K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7050.00	DALE	CRCW 0603	....0
R411	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R412	RG 22K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7050.00	DALE	CRCW 0603	....0
R413	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R414	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R415	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R416	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00	MIKRO-TEK-	CMF 1206	
R417	RS 0,3W 10 OHM+-10% CERMET TRIMMING POTENTIOMETER	RS 0006.9100.00	BECKMAN	67W 100HM 10%	
R418	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R419	RK 1,5KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9975.00	MIKRO-TEK	CMF1206	
R420	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R421	RG 2,0KOHM+-0,1%TK25 1206 SMD-RESISTOR	0009.7608.00	MIKRO-TEK-	CMF 1206	
R422	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R423	RG 57,6 OHM+-1%TK100 1206 RESISTOR	0010.0703.00			
R424	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
R425	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
R426	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603	....0
R427	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
R428	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
R429	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603	....0
R430	RG 10,0OHM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R431	RG 10R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5328.00	DALE	CRCW 0603	....0
R432	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R433	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R434	RG 162 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8932.00	DALE	CRCW1206-10 162R F-T	
R435	RG 110 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8890.00	DALE	CRCW1206-10 110R F-T	
R436	RG 39,7KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8079.00	MIKRO-TEK-	CMF 1206	
R437	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R438	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R439	RG 10,0KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.7666.00	MIKRO-TEK-	CMF 1206	
R440	RG 10,0OHM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R441	RG 20,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5472.00	DALE	CRW1206-10 20R F-T	
R442	RG 1,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9997.00	DALE	CRCW1206-10 1K62 F-T	
R443	RG 75,0OHM+-0,1%TK25 1206 CHIP RESISTOR	2016.2252.00	MIKRO-TEK-	CMF 1206	
R444	RG 9,09KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0787.00	DALE	CRCW1206-10 9K09 F-T	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R445	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . 0	
R446	RG 162 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8932.00	DALE	CRCW1206-10 162R F-T	
R447	RG 75,0OHM+-0,1%TK25 1206 CHIP RESISTOR	2016.2252.00	MIKRO-TEK-	CMF 1206	
R448	RG 11,0OHM+-0,1%TK25 1206 RESISTOR	0010.6899.00	MIKRO-TEK-	CMF 1206	
R449	RG 11,0OHM+-0,1%TK25 1206 RESISTOR	0010.6899.00	MIKRO-TEK-	CMF 1206	
R450	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R451	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R452	RG 137 OHM+-0,1%TK25 1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
. . 456	SMD-RESISTOR EIA1206				
R457	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R458	RG 137 OHM+-0,1%TK25 1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
. . 460	SMD-RESISTOR EIA1206				
R461	RG 10,0OHM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R462	RG 10,0OHM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R463	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
R464	RG 825 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.7259.00	DALE	CRCW1206-10 825R F-T	
R465	RG 18,2KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5850.00	DALE	CRCW1206-10 18K2 F-T	
R466	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R467	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8826.00	DALE	CRCW1206-10 56R2 F-T	
R468	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . 0	
R469	RG 10,0OHM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R470	RG 10,0OHM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R471	RG 130,0KOH+-1%TK100 1206 RESISTOR CHIP	RG 0007.5966.00	DALE	CRCW1206-10 130K F-T	
R472	RG 149 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8762.00	MIKRO-TEK-	CMF 1206	
R473	RG 887 OHM+-0,1%TK25 1206	0009.9952.00	MIKRO-TEK-	CMF 1206	
. . 475	SMD-RESISTOR EIA1206				
R476	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
R477	RG 6,81KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0758.00	DALE	CRCW1206-10 6K81 F-T	
R478	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
R479	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . 0	
R480	RG 149 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8762.00	MIKRO-TEK-	CMF 1206	
R481	RG 825 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.7259.00	DALE	CRCW1206-10 825R F-T	
R482	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
R483	RG 10,0OHM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R484	RG 10,0OHM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R485	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
. . 489	SMD-RESISTOR EIA1206				
R490	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R491	RG 137 OHM+-0,1%TK25 1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
. . 493	SMD-RESISTOR EIA1206				
R494	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R495	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R496	RG 11,0OHM+-0,1%TK25 1206 RESISTOR	0010.6899.00	MIKRO-TEK-	CMF 1206	
R497	RG 11,0OHM+-0,1%TK25 1206 RESISTOR	0010.6899.00	MIKRO-TEK-	CMF 1206	

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R498	RG 75,00HM+-0,1%TK25 1206 CHIP RESISTOR	2016.2252.00	MIKRO-TEK-	CMF 1206	
R499	RG 9,09KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0787.00	DALE	CRCW1206-10 9K09 F-T	
R500	RG 75,00HM+-0,1%TK25 1206 CHIP RESISTOR	2016.2252.00	MIKRO-TEK-	CMF 1206	
R501	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603 . . . . 0	
R502	RG 1,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9997.00	DALE	CRCW1206-10 1K62 F-T	
R503	RG 20,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5472.00	DALE	CRW1206-10 20R F-T	
R504	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R505	RG 18,2KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5850.00	DALE	CRCW1206-10 18K2 F-T	
R506	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R507	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R508	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R511	RG 10,00HM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R512	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . 0	
R513	RG 10,00HM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R514	RG 110 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8890.00	DALE	CRCW1206-10 110R F-T	
R515	RG 18,2KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5850.00	DALE	CRCW1206-10 18K2 F-T	
R516	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R517	RG 10,00HM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R518	RG 10,00HM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R519	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8826.00	DALE	CRCW1206-10 56R2 F-T	
R520	RG 130,0KOH+-1%TK100 1206 RESISTOR CHIP	RG 0007.5966.00	DALE	CRCW1206-10 130K F-T	
R521	RG 887 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9952.00	MIKRO-TEK-	CMF 1206	
R522	RG 887 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9952.00	MIKRO-TEK-	CMF 1206	
R523	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R524	RG 887 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9952.00	MIKRO-TEK-	CMF 1206	
R525	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
R526	RG 149 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8762.00	MIKRO-TEK-	CMF 1206	
R527	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
R528	RG 149 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8762.00	MIKRO-TEK-	CMF 1206	
R529	RG 6,81KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0758.00	DALE	CRCW1206-10 6K81 F-T	
R530	RG 10,00HM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R531	RG 10,00HM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R532	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8826.00	DALE	CRCW1206-10 56R2 F-T	
R533	RG 130,0KOH+-1%TK100 1206 RESISTOR CHIP	RG 0007.5966.00	DALE	CRCW1206-10 130K F-T	
R534	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . 0	
R535	RG 887 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9952.00	MIKRO-TEK-	CMF 1206	
R538	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
R539	RG 149 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8762.00	MIKRO-TEK-	CMF 1206	
R540	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	

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	<b>ROHDE &amp; SCHWARZ</b>	17	10.03.97	ED ANALOG_UNIT ANALOG UNIT	<b>1078.2908.01 SA</b>	26+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R541	RG 149 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8762.00	MIKRO-TEK-	CMF 1206	
R542	RG 6,81KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0758.00	DALE	CRCW1206-10 6K81 F-T	
R543	RG 56,2 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8826.00	DALE	CRCW1206-10 56R2 F-T	
R544	RG 10,00HM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R545	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603	....0
R546	RG 10,00HM+-0,1%TK25 1206 CHIP RESISTOR	0009.9546.00	MIKRO-TEK-	CMF 1206	
R547	RG 130,0KOH+-1%TK100 1206 RESISTOR CHIP	RG 0007.5966.00	DALE	CRCW1206-10 130K F-T	
R548	RG 149 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8762.00	MIKRO-TEK-	CMF 1206	
R549	RG 887 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9952.00	MIKRO-TEK-	CMF 1206	
..551 R552	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
R553	RG 6,81KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0758.00	DALE	CRCW1206-10 6K81 F-T	
R554	RG 137 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9252.00	MIKRO-TEK-	CMF 1206	
R555	RG 149 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8762.00	MIKRO-TEK-	CMF 1206	
R556	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603	....0
R557	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
R558	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603	....0
R559	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R560	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R561	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	DALE	CRCW1206-10 5K62 F-T	
R562	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R563	RG 2,64KOH+-0,1%TK25 1206 RESISTOR	0010.1980.00	MIKRO-TEK-	CMF 1206	
R564	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R565	RG 294 OHM+-1%TK100 1206 RESISTOR	0010.1780.00			
R566	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R567	RG 3,12KOH+-0,1%TK25 1206 RESISTOR	0010.2735.00	MIKRO-TEK-	CMF 1206	
R568	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R569	RG 383 OHM+-1%TK100 1206 CHIP RESISTOR	0006.9022.00	DRALORIC	CGB3216 383OHM2% TK	
R570	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R571	RG 2,91KOH+-0,1%TK25 1206 RESISTOR	0010.1997.00	MIKRO-TEK-	CMF 1206	
R572	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R573	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R574	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603	....0
R575	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
..577 R578	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603	....0
R579	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
R580	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603	....0
R581	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603	....0
..583 R584	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
R585	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R586 . .588	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . .0	
R589	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . .0	
R590	RG 196 OHM+-1%TK100 1206 CHIP RESISTOR	0006.8955.00	DRALORIC	CGB3216 196OHM2% TK	
R591	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R592	RG 2,43KOH+-0,1%TK25 1206 RESISTOR	0010.1974.00	MIKRO-TEK-	CMF 1206	
R593	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	DALE	CRCW1206-10 1K21 F-T	
R594	RG 200 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5608.00	DALE	CRCW1206-10 200R F-T	
R595	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R596	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T	
R597	RG 8,25KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0770.00	DALE	CRCW1206-10 8K25 F-T	
R598	RG 8,25KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0770.00	DALE	CRCW1206-10 8K25 F-T	
R599	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T	
R600	RG 5,05KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8879.00	MIKRO-TEK-	CMF 1206	
R601	RG 511 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6085.00	DALE	CRCW1206-10 511K F-T	
R602	RG 10,0KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.7666.00	MIKRO-TEK-	CMF 1206	
R603	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R604	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R605	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . .0	
R606	RG 20,0KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.7643.00	MIKRO-TEK-	CMF 1206	
R607	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R608	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R609	RG 39,7KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8079.00	MIKRO-TEK-	CMF 1206	
R610	RG 312 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8785.00	MIKRO-TEK-	CMF 1206	
R611 . .614	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R615	RG 1,82KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5720.00	DALE	CRCW1206-10 1K82 F-T	
R616	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . .0	
R617	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R618	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . .0	
R619	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R620	RG 10R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5328.00	DALE	CRCW 0603 . . . . .0	
R621	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . .0	
R622	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . .0	
R623	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603 . . . . .0	
R624	RG 5,05KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8879.00	MIKRO-TEK-	CMF 1206	
R625	RG 5,05KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8879.00	MIKRO-TEK-	CMF 1206	
R626	RG 10R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5328.00	DALE	CRCW 0603 . . . . .0	
R627	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603 . . . . .0	
R628	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . .0	
R629	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603 . . . . .0	

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Kanz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R630	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603 . . . . 0	
R631	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603 . . . . 0	
R632	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603 . . . . 0	
R633	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R634	RS 0,3W 5KOHM+-10%CERMET TRIMMING POTENTIOMETER	RS 0006.6698.00	BOURNS	3296W-1- 5KOHM+-10%	
R635	RG 392 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6056.00	DALE	CRCW1206-10 392K F-T	
R636	RG 2,98KOH+-0,1%TK25 1206 RESISTOR	0010.2006.00	MIKRO-TEK-	CMF 1206	
R637	RG 1,1KOHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.8127.00	MIKRO-TEK-	CMF 1206	
R638	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . 0	
R639 . . 642	RG 1,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9997.00	DALE	CRCW1206-10 1K62 F-T	
R643	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603 . . . . 0	
R644	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R645	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R646	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603 . . . . 0	
R647	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R648	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R649	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603 . . . . 0	
R650	RG 511 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9051.00	DALE	CRCW1206-10 511R F-T	
R651	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R652	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R653	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R654	RG 511 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9051.00	DALE	CRCW1206-10 511R F-T	
R655	RG 560R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9630.00	DALE	CRCW 0603 . . . . 0	
R656 . . 659	RG 1,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9997.00	DALE	CRCW1206-10 1K62 F-T	
R660	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603 . . . . 0	
R661	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R662	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R663	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603 . . . . 0	
R664	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R665	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R666	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603 . . . . 0	
R667	RG 511 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9051.00	DALE	CRCW1206-10 511R F-T	
R668	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R669	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R670	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R671	RG 511 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9051.00	DALE	CRCW1206-10 511R F-T	
R672	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603 . . . . 0	
R673 . . 676	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603 . . . . 0	
R677	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	

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**ROHDE & SCHWARZ**

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Äi Datum  
Date 10.03.97

Schalttailliste für  
Parts list for  
ED ANALOG\_UNIT  
ANALOG UNIT

Sachnummer  
Stock No. **1078.2908.01 SA**

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R678	RG 220K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7108.00	DALE	CRCW 0603	....0
R679	RG 21,5KOH+-0,1%TK25 1206 RESISTOR	0010.2929.00	MIKRO-TEK-	CMF 1206	
R680	RG 21,5KOH+-0,1%TK25 1206 RESISTOR	0010.2929.00	MIKRO-TEK-	CMF 1206	
R681	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R682	RG 15,0KOH+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.7766.00	MIKRO-TEK-	CMF 1206	
R683	RG 1M0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5370.00	DALE	CRCW 0603	....0
R684	RG 15K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7043.00	DALE	CRCW 0603	....0
R685	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R686	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R687	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R688	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R689	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603	....0
R690	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603	....0
R691	RG 18R2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8385.00			
R692	RG 18R2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8385.00			
R693	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R694	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0
R695	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603	....0
..702	RS 0,25W 20 OHM+-20% SMD POTENTIOMETER	RS 0007.9561.00	BOURNS	3314G-1-200	
R703	RS 0,25W 20 OHM+-20% SMD POTENTIOMETER	RS 0007.9561.00	BOURNS	3314G-1-200	
R704	RG 22R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6901.00	DALE	CRCW 0603	....0
R705	RG 22R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6901.00	DALE	CRCW 0603	....0
R706	RG 22R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6901.00	DALE	CRCW 0603	....0
R707	RG 680K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7137.00	DALE	CRCW 0603	....0
..710					
U1	BO LM2903D 2XLP COMPAR DUAL	0520.7734.00	SIGNETICS	LM2903D	
U2	BO LM2903D 2XLP COMPAR DUAL	0520.7734.00	SIGNETICS	LM2903D	
U3	BP HCPL0631 2XOPTOCOUP L DUAL OPTO COUPLER	1058.0680.00	HEWLETT-PA	HCPL-0631	
U4	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D	
U5	BP HCPL0631 2XOPTOCOUP L DUAL OPTO COUPLER	1058.0680.00	HEWLETT-PA	HCPL-0631	
U6	BP HCPL0631 2XOPTOCOUP L DUAL OPTO COUPLER	1058.0680.00	HEWLETT-PA	HCPL-0631	
U7	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D	
U8	BP HCPL0631 2XOPTOCOUP L DUAL OPTO COUPLER	1058.0680.00	HEWLETT-PA	HCPL-0631	
..12					
V1	AD BAW56 70V DUO UDI DIODE	0012.9350.00	PHILIPS-CO	BAW56	
..4					
V5	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V6	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V7	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
..10					
V13	AE BAV45 35V PICOAMPDI LOW LEAKAGE DIODE	AE 0252.5386.00	PHILIPS-CO	BAV45	
..16					
V17	AE BZV55/10V 0,5W ZDI ZENER DIODE	AE 0006.9880.00	PHILIPS SE	BZV55C10	
V18	AE BZV55/10V 0,5W ZDI ZENER DIODE	AE 0006.9880.00	PHILIPS SE	BZV55C10	

1GPK

295 3PUA

ÄI

Datum  
Date

Schaltteilliste für  
Parts list for

Sachnummer  
Stock No.

Blatt-Nr.  
Page

 **ROHDE & SCHWARZ**

17 10.03.97

ED ANALOG\_UNIT  
ANALOG UNIT

**1078.2908.01 SA**


30+

095.0026-0693

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
V19	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V20	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V21	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V22	AD BAW56 70V DUO UDI DIODE	0012.9350.00	PHILIPS-CO	BAW56	
V23	AD BAW56 70V DUO UDI DIODE	0012.9350.00	PHILIPS-CO	BAW56	
V24	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V25	AE HSMS2810 SCHOTTKY DIODE	0520.7340.00	HEWLETT-PA	HSMS2810	
V26	AE BZV55/C5V6 0.5W ZDI ZENER DIODE	AE 0006.9845.00	PHILIPS	BZV55B5V6	
V27	AE HSMS2810 SCHOTTKY DIODE	0520.7340.00	HEWLETT-PA	HSMS2810	
..29					
V30	AE BZV55/C5V6 0.5W ZDI ZENER DIODE	AE 0006.9845.00	PHILIPS	BZV55B5V6	
..32					
V33	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
..45					
V58	AE BAV45 35V PICOAMPDI LOW LEAKAGE DIODE	AE 0252.5386.00	PHILIPS-CO	BAV45	
V59	AE BZV55/10V 0,5W ZDI ZENER DIODE	AE 0006.9880.00	PHILIPS SE	BZV55C10	
V60	AE BAV45 35V PICOAMPDI LOW LEAKAGE DIODE	AE 0252.5386.00	PHILIPS-CO	BAV45	
..62					
V63	AE BZV55/10V 0,5W ZDI ZENER DIODE	AE 0006.9880.00	PHILIPS SE	BZV55C10	
V64	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V65	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V66	AD BAV70 70V DUO UDI, DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V67	AD BAW56 70V DUO UDI DIODE	0012.9350.00	PHILIPS-CO	BAW56	
V68	AD BAW56 70V DUO UDI DIODE	0012.9350.00	PHILIPS-CO	BAW56	
V69	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V70	AE HSMS2810 SCHOTTKY DIODE	0520.7340.00	HEWLETT-PA	HSMS2810	
..73					
V74	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
..78					
V79	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V80	AM SST108 N-D 25V JFET JFET TRANSISTOR	6007.3949.00	SILICONIX	SST108	
V81	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V82	AL BD139 N 80V 1A0 TRANSISTOR	AL 0274.8994.00	PHILIPS-CO	BD139	
V83	AL BD140 P 80V 1A5 TRANSISTOR	AL 0335.9642.00	PHILIPS-CO	BD140	
V84	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V85	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V86	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V87	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V88	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V89	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V90	AM SST108 N-D 25V JFET JFET TRANSISTOR	6007.3949.00	SILICONIX	SST108	
V91	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V92	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V93	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V94	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	

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1GPK	295 3PUA	ÄI	Datum Date	Schalttailliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
		17	10.03.97	ED ANALOG_UNIT ANALOG UNIT	<b>1078.2908.01 SA</b>	31+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
V95	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS SE	BZV55B5V1 GEG	
V96 ..98	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V99	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V100	AL BD139 N 80V 1A0 TRANSISTOR	AL 0274.8994.00	PHILIPS-CO	BD139	
V101	AL BD140 P 80V 1A5 TRANSISTOR	AL 0335.9642.00	PHILIPS-CO	BD140	
V102	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V103	AM SST10B N-D 25V JFET JFET TRANSISTOR	6007.3949.00	SILICONIX	SST10B	
V104	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V105	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V106 ..111	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V112	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V113 ..126	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V127	AE HSMS2800 SCHOTTKY DIODE	AE 0836.8421.00	HEWLETT-PA	HSMS2800	
V128	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V129	AE 1N827 6,2V REF DI REFERENCE DIODE	AE 0418.0029.00	COMPENSATE	1N827	
V130	AE 1N827 6,2V REF DI REFERENCE DIODE	AE 0418.0029.00	COMPENSATE	1N827	
X1	FP STECKERLEISTE 26P.GER CONNECTOR 26POL.	FP 0620.0147.00	BERG	71918-126	
X2	FP STECKERLEISTE 34P.GER CONNECTOR 34P	FP 0645.7145.00	SIEMENS	V23535-A1200-A342	
X3	FP STECKERLEISTE 34P.GER CONNECTOR 34P	FP 0645.7145.00	SIEMENS	V23535-A1200-A342	
X4	FP STIFTLISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X6 ..8	FP STIFTLISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X9 ..11	FP STIFTLISTE 3P.R2,54 PIN CONNECTOR	FP 0009.6101.00			
X12 ..15	FP STIFTLISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X17 ..19	FP STIFTLISTE 3P.R2,54 PIN CONNECTOR	FP 0009.6101.00			
X24	FP STIFTLISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X25	FP STIFTLISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X26	FP STIFTLISTE 3P.R2,54 PIN CONNECTOR	FP 0009.6101.00			
X100	FP STECKERLEISTE 34P.GER CONNECTOR 34P	FP 0351.3474.00	SIEMENS	V23535-A2200-A342	
X101	FP STECKERLEISTE 96POL. CONNECTOR 96P.	FP 0008.5753.00	PANDUIT	100-096-033B	
X102	FP STIFTLISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X300	FP STIFTLISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X305	FP STIFTLISTE 2P.R2,54 PIN CONNECTOR	FP 0009.5992.00			
X10A	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
X10B	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	

095.0026-0693

 **ROHDE & SCHWARZ**

17 10.03.97

ED ANALOG\_UNIT  
ANALOG UNIT

**1078.2908.01 SA**

32-



**Schnittstellenbeschreibung**  
Interface Description

zu: **Analogplatte**  
for: **Analog\_unit**

Sach-Nr.: **1078.2908.02**  
Part No.:

Blatt Nr.: /Sheet No.:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Änd.-Index / Amendment	01	01	01	01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Blatt Nr.: /Sheet No.:	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Änd.-Index / Amendment	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

erstellt von: **Nestler/Schermer**  
issued by: **1GP2**

Datum: **08.11.95**  
Date:

Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>	Benennung: <b>Analogplatte</b>			Bl. 1
	Analog_unit			von 4
Typ: UPL	reg.i.Verz.: 1078.2008 V		Sachnummer: 1078.2908.01 SB	

Eintragung in der Spalte R (Richtung):  
 Eintragung in der Spalte A (Art) :  
 Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang I = Eingang B = Bidirektional  
 A = Analog D = Digital P = Power  
 P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P	Bild Nr.	Anschlusspunkt	Bemerkung
------	---------------------	---	---	--------------	---	----------	----------------	-----------

Power Supply								X3
<b>Generator</b>								
+20V[G]		I	P	+20V±1V 200mA	D		1, 2	Stromaufnahme Maximalwerte
-20V[G]		I	P	-20V±1V 200mA	D		3, 4	
-15V[G]		I	P	-15V±0.75V 300mA	D		5, 6	
+15V[G]		I	P	+15V±0.75V 300mA	D		7, 8	
+5V[G]		I	P	+5V±0.15V 625mA	D		9, 10, 12	
GND[G]	Masse		P				13 ... 18	schwebend
<b>Analyzer</b>								
+5V[A]		I	P	+5V±0.15V 220mA	D		25, 26, 27	Stromaufnahme typ. mit Default- Setup
-15V[A]		I	P	-15V±0.75V 330mA	D		29, 30	
+15V[A]		I	P	+15V±0.75V 330mA	D		33, 34	
GND[A]	Masse		P				21...24, 31, 32	Gehäuse
n.c.							11, 19, 20, 28	nicht benutzt
<b>Power, Misc</b>								
+5V[D]		I	P	+5V±0.15V	D		6, 21	Gehäuse nicht benutzt
GND[D]			P				1, 3, 5, 8, 16	
n.c.							13, 19, 22, 23	

Generator Control								X1
<b>Data Link</b>								
GCLK	Clock	I	D	TTL 1 ... 3 MHz	D		10	
IAIDO	Data in	I	D	TTL	D		11	
GDI	Data out	O	D	TTL	D		14	
GWR	Write	I	D	TTL	D		12	
WREN	Write Enable	I	D	TTL	D		9	
GINT	Gen Overload	O	D	TTL	D		15	
<b>DAC Link</b>								
GBCLK	Bitclock	O	D	TTL 3,072MHz	D		2	
GLR	LR-Signal	I	D	TTL 48kHz	D		4	
GDATA	Data	I	D	TTL	D		7	
<b>Signal to Digital Audio I/O, Option UPL-B2</b>								
GEN_AES		O	A	Sinus 10Hz ... 110kHz	D		25	Signal Schirmung
GGND			P				24, 26	
	Temperatur	O	D	TTL ≈ 35Hz	D		20	Temp.Sensor
SCL	Clock	I	D	TTL	D		17	EEPROM
SDA	Data in/out	B	D	TTL	D		18	EEPROM

Low Dist Connector								X100
<b>Signale</b>								
LOWDIST		I	A	Sinus 10Hz ... 110kHz 2,8V ... 0,25V	D		31	nicht benutzt
LDFREQ		I	D	TTL 10Hz ... 110kHz			2	
<b>Data Link</b>								
Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.:	Ä.I.: 01				
<b>ROHDE &amp; SCHWARZ</b>		Benennung: Analogplatte Analog_unit					Bl. 2 von 4	
Typ: UPL	reg.i.Verz.: 1078.2008 V			Sachnummer: 1078.2908.01 SB				

Eintragung in der Spalte R (Richtung):  
 Eintragung in der Spalte A (Art):  
 Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang I = Eingang B = Bidirektional  
 A = Analog D = Digital P = Power  
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Name	Signal Beschreibung	R	A	Wertebereich	P	Bild Nr.	Anschlusspunkt	Bemerkung
CLK	Clock	O	D	HCMOS 1 ... 3MHz	D		12	nur zeitweise
	Data out	O	D	HCMOS	D		11	
	Data in	I	D	TTL	D		8	
/WR	Write	O	D	HCMOS	D		9	
GWREN	Write Enable	O	D	HCMOS	D		7, 10	
OPT[G]	to Data MUX	I	D	TTL	D		14	
<b>Power Supply</b>								
	-20V[G]	O	P	-20V±1V 10mA	D		15, 16	
	-15V[G]	O	P	-15V±0.75V 110mA	D		17, 18	
	+15V[G]	O	P	+15V±0.75V 85mA	D		19, 20	
	+5V[G]	O	P	+5V±0.15V 50mA	D		21 ...24	
GND[G]	Masse		P				1, 3 ... 6, 13, 25 ... 30, 32	schwebend

Analyzer Control		W2						
<b>Data Link</b>								
ACLK	Clock	I	D	HCT 1 ... 3 MHz	D		16	nicht benutzt
IAIDO	Data in	I	D	HCT	D		17	
ADI	Data out	O	D	HCT	D		20	
Reserved							19	
AWR	Write	I	D	HCT	D		18	
Reserved							15	nicht benutzt
				L			27	nicht benutzt
<b>ADC Link</b>								
ASCLK	Bitclock	O	D	HCT 3,072MHz	D		4	<b>Audio-ADC</b>
ALR	LR-Signal	O	D	HCT 48kHz	D		2	L/R-Takt
ASDATA	Data	O	D	HCT	D		6	Serielle Daten
UFSCCLK	Bitclock	O	D	HCT 4,9152MHz	D		10	<b>110kHz-ADC</b>
UFSTRT	Start-Signal	O	D	HCT 307,2kHz	D		8	Convers. Start
UFSDATA	Data	O	D	HCT	D		12	Serielle Daten
SELCH	Select Channel	I	D	HCT	D		21	Kanal-Schalter
<b>Signal from Digital Audio I/O, Option UPL-B2</b>								
ANA1_AES		I	A	0...3,5V rms,	D		33	Signal 1
ANA2_AES		I	A	10Hz ... 110kHz	D		31	Signal 2
GND[A]	Masse		P	0V			30, 32, 34	Schirmung
<b>Signal to Audio Monitor, Option UPL-B5</b>								
INPMON1	Monitor Signal	O	A	0...3,5V rms,	D		23	Output Ch 1
INPMON2	Monitor Signal	O	A	10Hz ... 110kHz	D		25	Output Ch 2
GND[A]	Masse		P	0V			22, 24, 26	Schirmung
<b>Power, Misc</b>								
	+5V[D]	I	P	+5V±0.15V	D		14	
DGND	Masse		P				1, 3, 5, 7, 9, 11, 13, 22, 24, 26, 30	Gehäuse
n.c.							28, 31	nicht benutzt

Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.:	Ä.I.: 01
Benennung: Analogplatte		Bl. 3		
ROHDE & SCHWARZ		Analog_unit		von 4
Typ: UPL	reg.i.Verz.: 1078.2008 V	Sachnummer: 1078.2908.01 SB		

Eintragung in der Spalte R (Richtung):  
 Eintragung in der Spalte A (Art):  
 Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang I = Eingang B = Bidirektional  
 A = Analog D = Digital P = Power  
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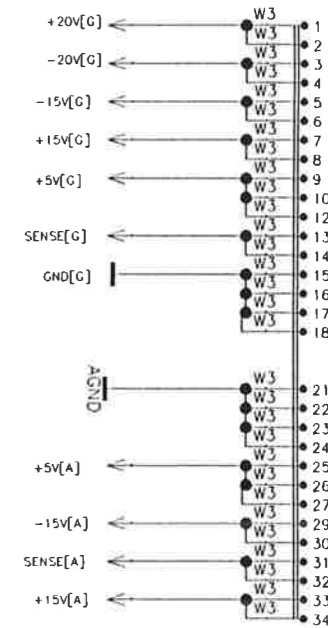
Signal		R	A	Wertebereich	P	Bild	Anschluss-	Bemerkung
Name	Beschreibung				T	Nr.	punkt	

Front Module Connector				X101				
<b>Generator</b>				0...20V rms BAL R <sub>SOURCE</sub> umschaltbar: 10Ω/200Ω/600Ω 0...10V rms UNBAL R <sub>SOURCE</sub> = 5Ω	P			symmetrische Generator-Ausg.: umschaltbar BAL/UNBAL Float Potential
BAL3[G1]	Channel 1 Lo	O	A		D		3 C	
BAL2[G1]	Channel 1 Hi	O	A		D		4 C	
BAL3[G2]	Channel 2 Lo	O	A		D		11 C	
BAL2[G2]	Channel 2 Hi	O	A		D		12 C	
GND[G]	Masse		P				1 A,B,C 2,3,4,5 A 6,7,8,9 A,B,C 10,11 A 12,13 A 14 A,B,C	schwebend
n.c.							2 B,C 3,4 B 5 B,C 11,12 B 13 B,C 15 A,B,C	nicht benutzt
<b>Analyzer</b>				0...35V rms/0...100V pk R <sub>INPUT</sub> umschaltbar 300Ω/600Ω/200kΩ	P			symmetrische. Analysator- Eingänge
BAL3[A1]	Channel 1 Lo	I	A		D		21 C	
BAL2[A1]	Channel 1 Hi	I	A		D		19 C	
BAL1[A1]	Channel 1 Shield	I	A	Float/Ground	D		23 C	umschaltbar
BAL3[A2]	Channel 2 Lo	I	A		D		29 C	
BAL2[A2]	Channel 2 Hi	I	A		D		27 C	
BAL1[A2]	Channel 2 Shield	I	A	Float/Ground	D		31 C	umschaltbar
GND[A] = GND[D]	Masse						16,17 A,B,C 18,19,20,21,22 A 23 A,C 24,25 A,B,C 26,27,28,29 A 30,31 A 32 A,B,C	Gehäuse
n.c.							18,20 B,C 19,21 B 22, 26 B,C 23,27,29 B 28, 30 B,C 31 B	nicht benutzt

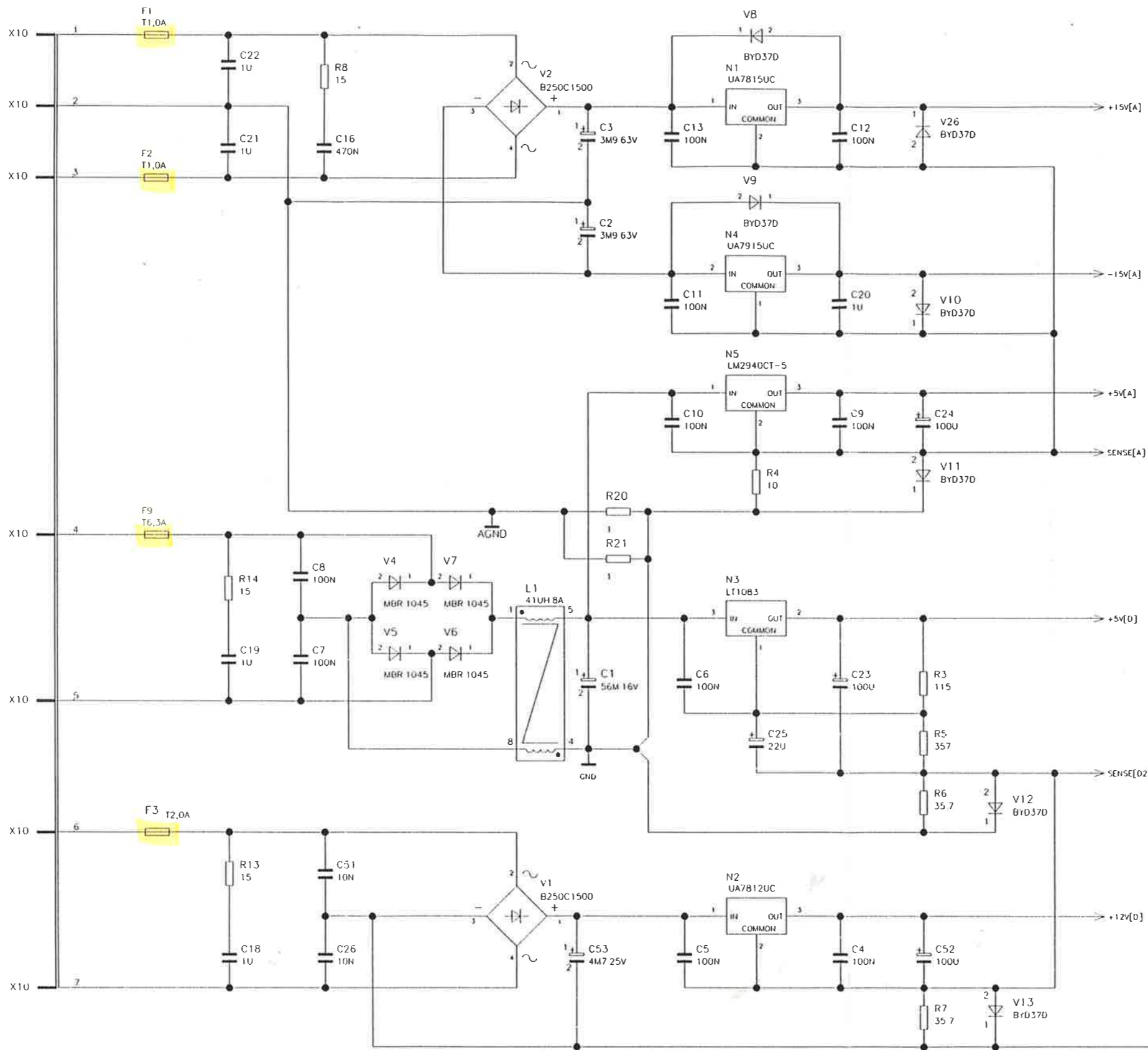
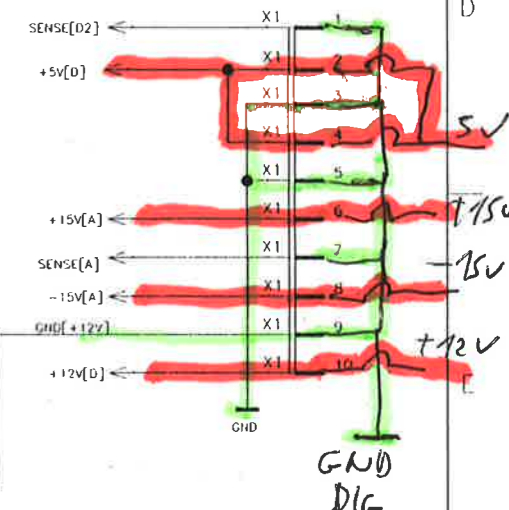
Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.:	Ä.I.: 01
Benennung: Analogplatte		Analog_unit		Bl. 4
<b>ROHDE &amp; SCHWARZ</b>				von 4
Typ: UPL	reg.i.Verz.: 1078.2008 V	Sachnummer: 1078.2908.01 SB		

ANALOG UNIT (ANALYZER)/DIGITAL UNIT POWER SUPPLY

ANALOG UNIT  
POWER CONNECTOR

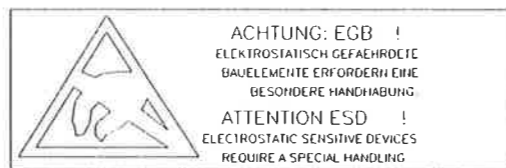


DIGITAL UNIT  
POWER CONNECTOR



VOM NETZTRANSFORMATOR  
FROM POWER TRANSFORMER

BEHALTEN WIR UNS ALLE RECHTE VOR



ACHTUNG: EGB !  
ELEKTROSTATISCH GEFÄHRDICHTE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG  
ATTENTION ESD !  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

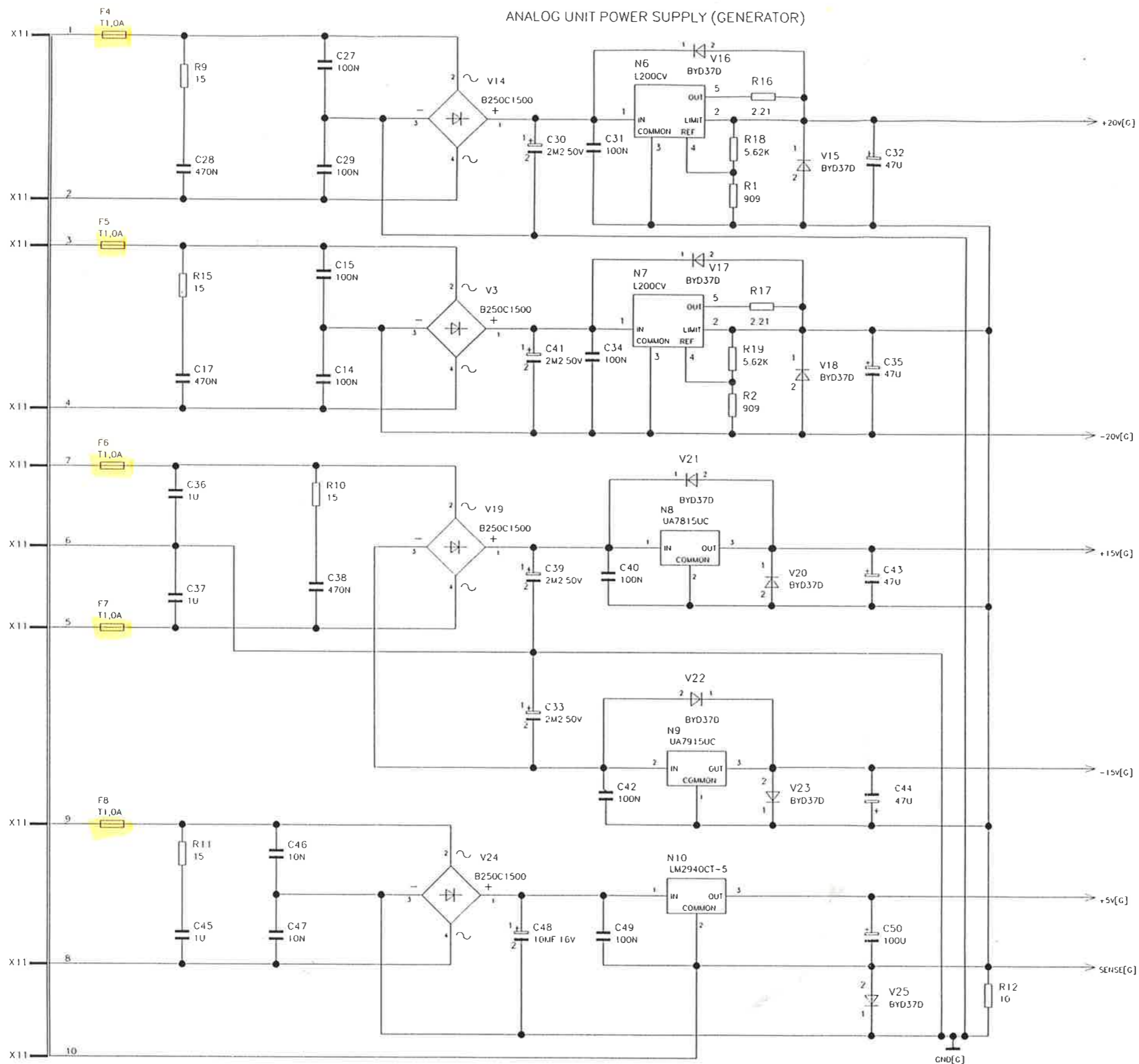
Bindende Angaben ueber Varianten,  
Trimmwerte, Bauteile und  
nicht bestueckte Bauteile siehe SA.


FOR BINDING INFORMATION ON MODELS,  
TRIMMING AND COMPONENTS VALUES AND  
NONFITTED COMPONENTS SEE PARTS LIST

04		10.96	SR	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		SR	NETZTEILPLATTE
				GEPR.		SR	POWER_SUPPLY_BOARD
				NORM			TOP/TOP.1
				PLOTT	28.10.96		ZEICHN.-NR.
						ROHDE&SCHWARZ	1078.2608.01 S
AEND. IND.	AENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL.	REG. V.	1078.2008
						ERSTE Z.	1078.2508
						ULATT-NR.	1 +
							Bl.

BEHALTEN WIR UNS ALLE RECHTE VOR

ANALOG UNIT POWER SUPPLY (GENERATOR)

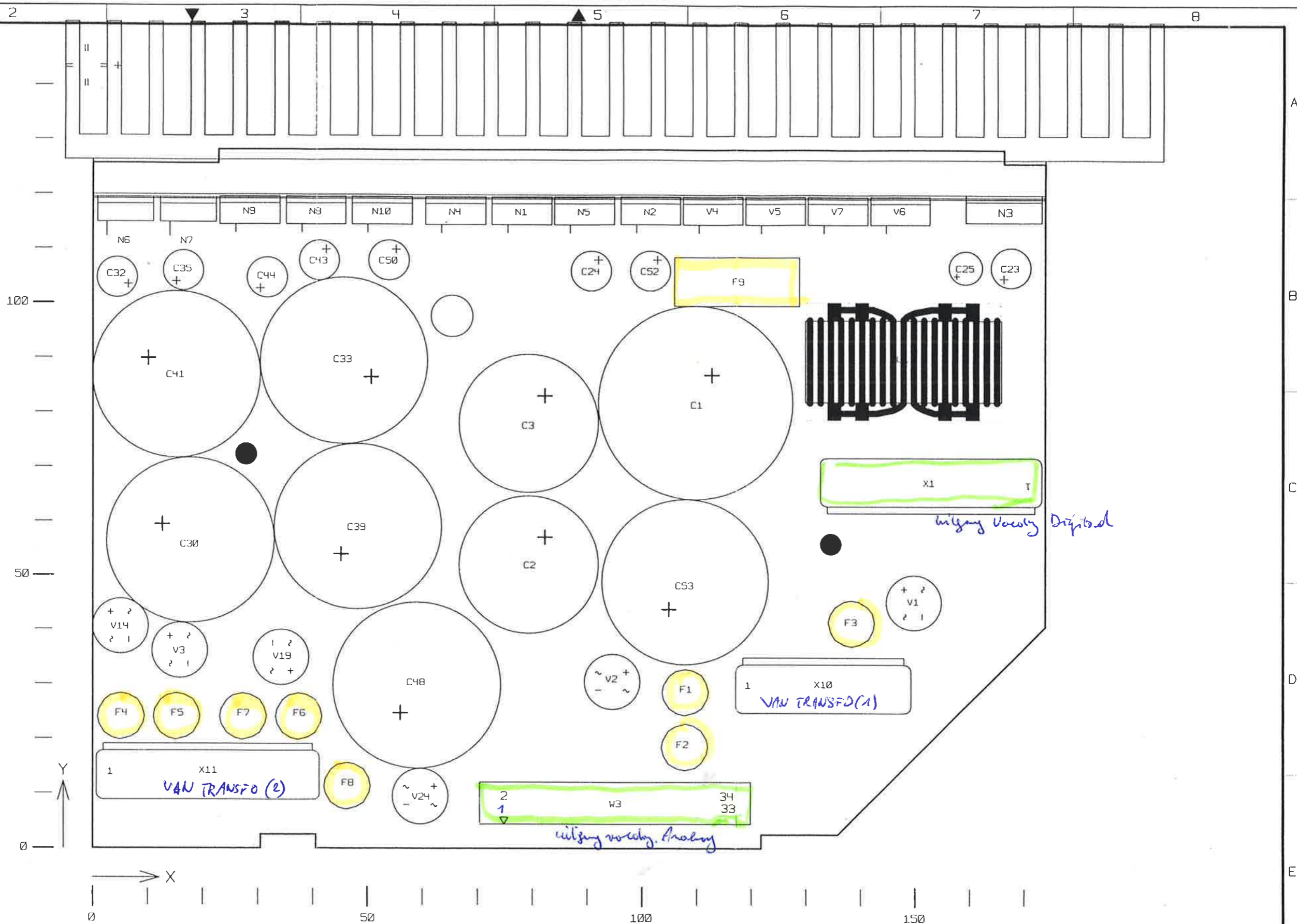



**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING


Bindende Angaben ueber Varianten,  
 Trimmwerte, Bauteile und  
 nicht bestueckte Bauteile siehe SA.  
 FOR BINDING INFORMATION ON MODELS,  
 TRIMMING AND COMPONENTS VALUES AND  
 NONFITTED COMPONENTS SEE PARTS LIST

04		10.96	SR	1GPK	DATUM	NAME	BENENNUNG
				BEARB		SR	NETZTEILPLATTE
				GEPR.		SR	POWER_SUPPLY_BOARD
				NORM			TOP/TOP.2
				PLOTT	28.10.96		ZEICHN.-NR.
				ROHDE&SCHWARZ			1078.2608.01 S
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL	REG I V	1078.2008
						ERSTE Z.	1078.2508
						BLATT-NR.	2 +
						BL.	

BEHALTEN WIR UNS ALLE RECHTE VOR



DARSTELLUNG SEITE B  
VIEW ON SIDE B



**ACHTUNG: EGB!**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

BINDENDE ANGABEN UEBER VARIANTEN,  
TRIMMWERTE, BAUTEILWERTE UND  
NICHT BESTUECKTE BAUTEILE SIEHE SA.  
  
FOR BINDING INFORMATION ON MODELS,  
TRIMMING AND COMPONENTS VALUES AND  
NONFITTED COMPONENTS SEE PARTS LIST.

DH	10.96	SR	1GPK	DATUM	NAME	BENENNUNG
						NETZTEILPLATTE
						POWER_SUPPLY_BOARD
						ZEICHN.-NR.
						1078.2608.01 D
						REG.I.V. 1078.2008
						ERSTE Z. 1078.2508
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ROHDE&SCHWARZ		UR.-NR. 1+
				ZU GERÄT UPL		V. DL.

1 2 3 4 5 6 7 8

A

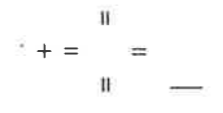
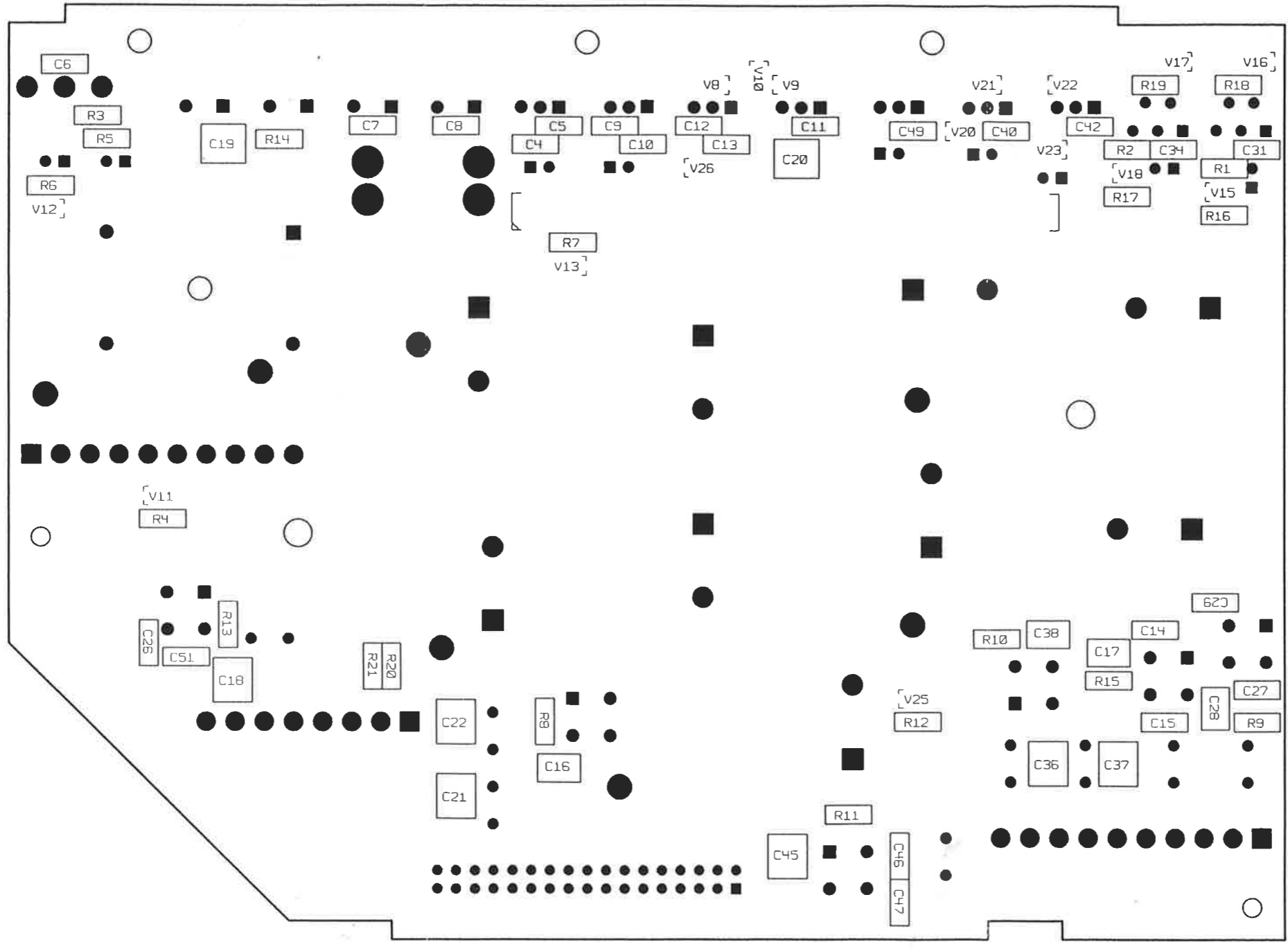
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100

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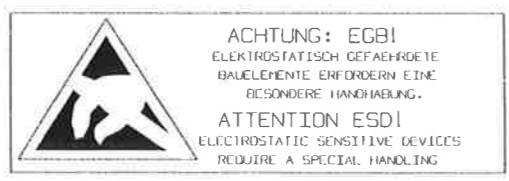
150

100

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DARSTELLUNG SEITE A  
VIEW ON SIDE A



BINDENDE ANGABEN UEBER VARIANTEN,  
TRIMMWERTE, BAUTEILWERTE UND  
NICHT BESTUECKTE BAUTEILE SIEHE SA.  
FOR BINDING INFORMATION ON MODELS,  
TRIMMING AND COMPONENTS VALUES AND  
NONFITTED COMPONENTS SEE PARTS LIST.

01		10.96	SR	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		SR	NETZTEILPLATTE
				GEPR.		SR	POWER_SUPPLY_BOARD
				NORM			
				PLOTT	28.10.96	SCHWAIGE	
							ZEICHN.-NR.
							1078.2608.01 D
							REG.I.V. 1078.2008
							ERSTE Z. 1078.2508
ÄND. IND.	ÄNDERUNGS- MITTEILUNG	DATUM	NAME	ROHDE&SCHWARZ ZU GERÄT UPL			BLATT-NR. 2-
							V. BL.



## **XY-Liste**

## **XY List**

### **Erklärung der Spaltenbezeichnungen:**

- Part:** Bauelement-Kennzeichen.
- Side:** Leiterplatten-Seite, auf der sich das Bauelement befindet.
- XY:** Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
- SQR, PG:** Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

### **Explanation of column designations:**

- Part:** Identification of instrument part.
- Side:** Side of the PC board on which instrument part is positioned.
- XY:** Coordinates (millimeter) of the component on the PC board in reference to zero point.
- SQR, PG:** Square and page of the diagram for the respective instrument part.


Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C1	B	110	87			C43	B	43	108			R12	A	48	30		
C2	B	79	57			C44	B	30	105			R13	A	144	45		
C3	B	79	83			C45	A	68	14			R14	A	135	110		
C4	A	104	109			C46	A	53	13			R15	A	22	36		
C5	A	97	112			C47	A	53	7			R16	A	6	100		
C6	A	168	120			C48	B	59	25			R17	A	20	102		
C7	A	126	112			C49	A	49	111			R18	A	5	117		
C8	A	111	112			C50	B	55	108			R19	A	16	117		
C9	A	93	112			C51	A	148	39			R20	A	122	36		
C10	A	86	109			C52	B	103	106			R21	A	124	36		
C11	A	66	112			C53	B	108	44			V1	B	147	48		
C12	A	82	112			F1	B	108	26			V2	B	97	33		
C13	A	74	109			F2	B	108	21			V3	B	13	39		
C14	A	20	43			F3	B	136	41			V4	B	110	114		
C15	A	15	30			F4	B	5	22			V5	B	122	114		
C16	A	101	23			F5	B	15	22			V6	B	145	114		
C17	A	27	39			F6	B	37	22			V7	B	133	114		
C18	A	144	39			F7	B	27	22			V8	A	76	117		
C19	A	142	109			F8	B	46	9			V9	A	69	117		
C20	A	70	107			F9	B	125	107			V10	A	72	120		
C21	A	113	23			L1	B	135	97			V11	A	155	61		
C22	A	113	33			N1	B	76	114			V12	A	167	100		
C23	B	166	107			N2	B	99	114			V13	A	96	93		
C24	B	92	106			N3	B	161	117			V14	B	3	43		
C25	B	158	107			N4	B	64	114			V15	A	10	103		
C26	A	155	42			N5	B	87	114			V16	A	2	121		
C27	A	2	34			N6	B	3	111			V17	A	13	121		
C28	A	10	29			N7	B	14	111			V18	A	23	105		
C29	A	11	46			N8	B	38	114			V19	B	37	32		
C30	B	13	57			N9	B	26	114			V20	A	46	111		
C31	A	2	109			N10	B	50	114			V21	A	39	117		
C32	B	4	104			R1	A	10	106			V22	A	32	117		
C33	B	51	90			R2	A	23	109			V23	A	30	109		
C34	A	13	109			R3	A	164	113			V24	B	62	12		
C35	B	15	106			R4	A	151	58			V25	A	52	33		
C36	A	32	27			R5	A	159	110			V26	A	81	106		
C37	A	23	21			R6	A	170	104			W3	B	75	7		
C38	A	35	42			R7	A	99	96			X1	B	171	67		
C39	B	48	54			R8	A	101	32			X10	B	119	30		
C40	A	36	111			R9	A	2	30			X11	B	3	14		
C41	B	10	87			R10	A	41	41								
C42	A	28	112			R11	A	58	17								

ROHDE & SCHWARZ	áI	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	04	28.10.96	ED NETZTEILPLATTE POWER_SUPPLY_BOARD	1078.2608.01 XY	1-



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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR02=GRUNDAUSFUEHRUNG MODO2=BASIC_MODEL					
C1	CE 56MF+-20%16V 35X45 ELEKTROLYTIC CAPACITOR	1078.8185.00	PANASONIC	ECOS1CP563EB		
C2	CE 3,9MF+-20%63V RD25XH35 ELECTROLYTIC CAPACITOR	2032.7849.00	EUROPE	SMH-VN 3900UF/63V M		
C3	CE 3,9MF+-20%63V RD25XH35 ELECTROLYTIC CAPACITOR	2032.7849.00	EUROPE	SMH-VN 3900UF/63V M		
C4	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
.. 15						
C16	CC 470NF+-10%50V X7R 1812 CERAMIC CHIP CAPACITOR	CC 0007.7498.00	VITRAMON	VJ 1812 Y 474KFATM		
C17	CC 470NF+-10%50V X7R 1812 CERAMIC CHIP CAPACITOR	CC 0007.7498.00	VITRAMON	VJ 1812 Y 474KFATM		
C18	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM		
.. 22						
C23	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I		
C24	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I		
C25	CE 22UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7533.00	PHILIPS CO	2222 116 11229		
C26	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT		
C27	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C28	CC 470NF+-10%50V X7R 1812 CERAMIC CHIP CAPACITOR	CC 0007.7498.00	VITRAMON	VJ 1812 Y 474KFATM		
C29	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C30	CE 2,2MF+-20%50V RD30X25 ELECTROLYTIC CAPACITOR	0815.8197.00	NIPPON CHE	SME 50 VNSN-2200 M		
C31	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C32	CE 47UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7479.00	PANASONIC	ECA1 HFG 470 I		
C33	CE 2,2MF+-20%50V RD30X25 ELECTROLYTIC CAPACITOR	0815.8197.00	NIPPON CHE	SME 50 VNSN-2200 M		
C34	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C35	CE 47UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7479.00	PANASONIC	ECA1 HFG 470 I		
C36	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM		
C37	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM		
C38	CC 470NF+-10%50V X7R 1812 CERAMIC CHIP CAPACITOR	CC 0007.7498.00	VITRAMON	VJ 1812 Y 474KFATM		
C39	CE 2,2MF+-20%50V RD30X25 ELECTROLYTIC CAPACITOR	0815.8197.00	NIPPON CHE	SME 50 VNSN-2200 M		
C40	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C41	CE 2,2MF+-20%50V RD30X25 ELECTROLYTIC CAPACITOR	0815.8197.00	NIPPON CHE	SME 50 VNSN-2200 M		
C42	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C43	CE 47UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7479.00	PANASONIC	ECA1 HFG 470 I		
C44	CE 47UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7479.00	PANASONIC	ECA1 HFG 470 I		
C45	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM		
C46	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT		
C47	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT		
C48	CE 10MF+-20%16V RD30X30 ELECTROLYTIC CAPACITOR	0815.8174.00	NIPPON CHE	SME 16 VNSN-10000 M		
C49	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
C50	CE 100UF+-20%25V RM2.5 ELECTOLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I		
C51	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT		
1GPK	295 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
	<b>ROHDE &amp; SCHWARZ</b>	07	10.03.97	ED NETZTEILPLATTE	<b>1078.2608.01 SA</b>	1+

095.0026-0693

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C52	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C53	CE 4,7MF+-20%25V RD30X25 ELECTROLYTIC CAPACITOR	0815.8180.00	NIPPON CHE	BKA 25 VN-4700 M	
F1	SS SCHMELZS.T 1A TR5-T FUSE TR5T 1A	SS 0815.8245.00	WICKMANN	TR5-T 1A NR.19372K	
F2	SS SCHMELZS.T 1A TR5-T FUSE TR5T 1A	SS 0815.8245.00	WICKMANN	TR5-T 1A NR.19372K	
F3	SS SCHMELZS.T 2A TR5 FUSE 2A TR5T	SS 0381.1728.00	WICKMANN	19372K	
F4	SS SCHMELZS.T 1A TR5-T FUSE TR5T 1A	SS 0815.8245.00	WICKMANN	TR5-T 1A NR.19372K	
..8 F9	SS SCHMELZ.T6,3 IEC127./3 FUSE T6,3	SS 0009.0610.00	WICKMANN	T6.3 L NR.19195	
L1	LD SP.DROSSEL 8A FILTER CHOKES	1078.3156.00	VACUUM-SCH	T60405-A6166-X4-80	
N1	BO UA7815UC+15V1AO VREGL VOLTAGE REGULATOR	BO 0282.5403.00	NAT. SEMIC	LM-7815CT	
N2	BO LM7812CT+12V1AO VREGL VOLTAGE REGULATOR	BO 0344.9641.00	NAT. SEMIC	LM340T12	
N3	BO LT1083CP LOWDROP+VREGL VOLTAGE REGULATOR	0738.5693.00	LTC	LT1083CP	
N4	BO UA7915UC-15V1AO VREGL VOLTAGE REGULATOR	BO 0282.5432.00	NO, . SEMIC	LM7915CT	
N5	BO LM2940CT LOWDROP+VREGL VOLTAGE REGULATOR	BO 0350.5809.00	NSC	LM2940CT-5.0	
N6	BO L200CV +ADJ2AO VREGL VOLTAGE REGULATOR	0336.7643.00	SGS	L200CV	
N7	BO L200CV +ADJ2AO VREGL VOLTAGE REGULATOR	0336.7643.00	SGS	L200CV	
N8	BO UA7815UC+15V1AO VREGL VOLTAGE REGULATOR	BO 0282.5403.00	NAT. SEMIC	LM-7815CT	
N9	BO UA7915UC-15V1AO VREGL VOLTAGE REGULATOR	BO 0282.5432.00	NO, . SEMIC	LM7915CT	
N10	BO LM2940CT LOWDROP+VREGL VOLTAGE REGULATOR	BO 0350.5809.00	NSC	LM2940CT-5.0	
R1	RG 909 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.7265.00	DALE	CRCW1206-10 909R F-T	
R2	RG 909 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.7265.00	DALE	CRCW1206-10 909R F-T	
R3	RG 115 OHM+-0,1%TK25 1206 SMD-RESISTOR EIA1206	0009.9230.00	MIKRO-TEK-	CMF 1206	
R4	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R5	RG 357 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5666.00	DALE	CRCW1206-10 357R F-T	
R6	RG 35,7 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5537.00	DALE	CRCW1206-10 357R F-T	
R7	RG 35,7 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5537.00	DALE	CRCW1206-10 357R F-T	
R8	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5450.00	DALE	CRW1206-10 15R F-T	
..11 R12	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R13	RG 15,0 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5450.00	DALE	CRW1206-10 15R F-T	
..15 R16	RG 2,210HM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8342.00	PHILIPS	RC 02	
R17	RG 2,210HM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8342.00	PHILIPS	RC 02	
R18	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	DALE	CRCW1206-10 5K62 F-T	
R19	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	DALE	CRCW1206-10 5K62 F-T	
R20	RG 1,0 OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8265.00	PHILIPS	RC 02	
R21	RG 1,0 OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8265.00	PHILIPS	RC 02	
V1	AG B250C1500 BRGL RECTIFIER	AG 0208.2340.00	TELEFUNKEN	B380C1500	
..3 V4	AG MBR1045 SGL 45V 10AO RECTIFIER	0344.6965.00	MOTOROLA	MBR 1045	
..7					

095.0026-0693

 **ROHDE & SCHWARZ**

07

10.03.97

ED NETZTEILPLATTE

**1078.2608.01 SA**


2+

Schaltteilliste für  
Parts list for

Sachnummer  
Stock No.

Blatt-Nr.  
Page

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
V8 ..13	AG BYD37J GL 600V 1A5 FAST RECOVERY RECTIFIER	0625.7933.00	PHILIPS-CO	BYD37J(GEG)		
V14	AG B250C1500 BRGL RECTIFIER	AG 0208.2340.00	TELEFUNKEN	B380C1500		
V15 ..18	AG BYD37J GL 600V 1A5 FAST RECOVERY RECTIFIER	0625.7933.00	PHILIPS-CO	BYD37J(GEG)		
V19	AG B250C1500 BRGL RECTIFIER	AG 0208.2340.00	TELEFUNKEN	B380C1500		
V20 ..23	AG BYD37J GL 600V 1A5 FAST RECOVERY RECTIFIER	0625.7933.00	PHILIPS-CO	BYD37J(GEG)		
V24	AG B250C1500 BRGL RECTIFIER	AG 0208.2340.00	TELEFUNKEN	B380C1500		
V25	AG BYD37J GL 600V 1A5 FAST RECOVERY RECTIFIER	0625.7933.00	PHILIPS-CO	BYD37J(GEG)		
V26	AG BYD37J GL 600V 1A5 FAST RECOVERY RECTIFIER	0625.7933.00	PHILIPS-CO	BYD37J(GEG)		
W3	DY FLACHBANDKABEL	1078.2972.00				
X1	FP STECKERLEISTE 10P.GER CONNECTOR 10POL.	FP 0815.7603.00	J.S.T.DEUT	B10P-VH-B		
X10	FP STECKERLEISTE 8P.GER CONNECTOR	FP 6014.4330.00	J.S.T.DEUT	B8P-VH-B		
X11	FP STECKERLEISTE 10P.GER CONNECTOR 10POL.	FP 0815.7603.00	J.S.T.DEUT	B10P-VH-B		
1GPK	295 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
 <b>ROHDE &amp; SCHWARZ</b>	07	10.03.97	ED NETZTEILPLATTE	<b>1078.2608.01 SA</b>	3-	

095.0026-0693

**Schnittstellenbeschreibung**  
Interface Description

zu: **UPL-Netzteil**  
for: UPL main supply

Sach-Nr.: **1078.2608.02**  
Part No.:

Blatt Nr.: /Sheet No.:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Änd.-Index / Amendment																					
Blatt Nr.: /Sheet No.:	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Änd.-Index / Amendment																					

erstellt von: **Burkhard Küfner / 1 GP 2**  
issued by:

Datum: **07.08.95**  
Date:

Abt.: 1 GPK	Name: Schwaiger	Datum: 7.08.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>	Benennung: UPL-Netzteil			Bl. 1
	UPL main supply			von 3
Typ: UPL	reg.i.Verz.: 1078.2008 V		Sachnummer: 1078.2608.01 SB	

Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

I = Eingang

B = Bidirektional

A = Analog

D = Digital

P = Power

P = Prüfwert

T = Trimmwert

D = Typprüfwert

E = Einstellwert

Signal		R	A	Wertebereich	P	Bild	Anschluss-	Bemerkung
Name	Beschreibung				T	Nr.	punkt	
+20V[G]	G	O	P	+18.6 ... +21V	P		W 3.1	
+20V[G]	e	O	P	( I <sub>max</sub> = 0.17 ... 0.24A )	P		W 3.2	Strombegrenzg.
- 20V[G]	n	O	P	-18.6 ... -21V	P		W 3.3	
- 20V[G]	e	O	P	( I <sub>max</sub> = 0.17 ... 0.24A )	P		W 3.4	Strombegrenzg.
- 15V[G]	r	O	P	-14.25 ... -15.75V	P		W 3.5	
- 15V[G]	a	O	P				W 3.6	
+15V[G]	t	O	P	+14.4 ... +15.6V	P		W 3.7	
+15V[G]	o	O	P				W 3.8	
+ 5V[G]	r	O	P	+4.85 ... +5.15V	P		W 3.9	
+ 5V[G]	s	O	P				W 3.10	
+ 5V[G]	p	O	P				W 3.12	
SENSE[G]	a	I	A				W 3.13	
SENSE[G]	n	I	A				W 3.14	
GND[G]	n	B	P	0V			W 3.15	
GND[G]	u	B	P				W 3.16	
GND[G]	n	B	P				W 3.17	
GND[G]	g	B	P				W 3.18	
GND		B	P	0V			W 3.21	
GND		B	P				W 3.22	
GND		B	P				W 3.23	
GND	A	B	P				W 3.24	
+ 5V[A]	n	O	P	+4.85 ... +5.15V	P		W 3.25	
+ 5V[A]	a	O	P				W 3.26	
+ 5V[A]	i	O	P				W 3.27	
- 15V[A]	y	O	P	-14.25 ... -15.75V	P		W 3.29	
- 15V[A]	z	O	P				W 3.30	
SENSE[A]	e	I	A				W 3.31	
SENSE[A]	r	I	A				W 3.32	
+15V[A]		O	P	+14.4 ... +15.6V	P		W 3.33	
+15V[A]		O	P				W 3.34	
SENSE[D2]		I	A				X 1.1	
+ 5V[D]	D	O	P	+4.95 ... +5.35V	P		X 1.2	
GND	i	B	P				X 1.3	
SENSE[D1]	g	I	A				X 1.4	
GND	i	B	P				X 1.5	
+15V[A]	t	O	P	+14.4 ... +15.6V	P		X 1.6	
SENSE[A]	a	I	A				X 1.7	
- 15V[A]	l	O	P	-14.25 ... -15.75V	P		X 1.8	
GND		B	P				X 1.9	
+12V[D]		O	P	+11.5 ... +12.5V	P		X 1.10	

Abt.: 1 GPK	Name: Schwaiger	Datum: 07.08.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: UPL-Netzteil	Bl. 2	
		UPL main supply	von 3	
Typ: UPL	reg.i.Verz.: 1078.2008 V	Sachnummer: 1078.2608.01 SB		

Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

I = Eingang

B = Bidirektional

A = Analog

D = Digital

P = Power

P = Prüfwert

T = Trimmwert

D = Typprüfwert

E = Einstellwert

Signal Name Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
<b>Trafoanschlüsse:</b> für die ±15V für den Analog-Analyzer		P	15.7 ... 19.2V <sub>eff</sub>			X10.1	
		P				X10.2	
		P	15.7 ... 19.2V <sub>eff</sub>			X10.3	
		P	7 ... 8.6V <sub>eff</sub>			X10.4	
		P				X10.5	
		P	13.7 ... 16.8V <sub>eff</sub>			X10.6	
		P				X10.7	
für die +5V für das Analog- und Digitalteil		P				X11.1	floatende Spannungen für den Analog- Generator
		P	18.7 ... 23V <sub>eff</sub>			X11.2	
		P	18.7 ... 23V <sub>eff</sub>			X11.3	
für die +12V für das Digitalteil		P				X11.4	
		P	15 ... 18.8V <sub>eff</sub>			X11.5	
für die +20V für den Generator		P				X11.6	
		P	15 ... 18.8V <sub>eff</sub>			X11.7	
für die -20V für den Generator		P				X11.8	
		P	6.5 ... 8V <sub>eff</sub>			X11.9	
für die ±15V für den Generator		P				X11.10	floatender Ge- nerator-Schirm
		P	0V				
für die +5V für den Generator							
Schirm[G]	B	P					

Abt.: 1 GPK	Name: Schwaiger	Datum: 07.08.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>	Benennung:	UPL-Netzteil		Bl. 3
		UPL main supply		von 3
Typ: UPL	reg.i.Verz.: 1078.2008 V	Sachnummer: 1078.2608.01 SB		



## Einbau der Option UPL-B1 (Low Distortion Generator)

- UPL ausschalten, Netzkabel abziehen
- \* Gerätefüße an der Geräterückseite abschrauben
- Gerät um 180° drehen, so daß die Unterseite nach oben zugänglich ist
- Untere Beplankungshaube etwas nach hinten schieben und abnehmen
- Kabel W100 (1078.3085.00) auf Stecker X100 der Analog-Unit (1078.2908.00) stecken  
(W100•1 auf X100•1 beachten)
- Low Distortion Generator (Deckelbeschriftung oben) mit der Ausziehhebelseite in die zwei roten Kunststoffhalterungen einsetzen
- \* Befestigen des Low Distortion Generators mit den beiden Kombischrauben M2,5x6 durch das Halteblech auf die Analog-Unit
- \* Untere Beplankungshaube und Gerätefüße wieder montieren (die Beplankungen müssen guten Kontakt zum Rahmen haben um die HF-Dichtigkeit zu gewährleisten)

Nach dem Einbau müssen Pegel- und Frequenzgenauigkeit kalibriert werden. Hierzu sind keine externen Meßgeräte erforderlich, da das Generatorsignal über eine interne Verbindung vom Analysator gemessen wird.

- Die Frequenz wird mit dem Frequenzzähler des UPL gemessen.
- Die Spannung wird relativ zum Universalgenerator kalibriert. Dieser muß abgeglichen und kalibriert sein.

Der Frequenzgang braucht nicht abgeglichen werden!

Zur Überprüfung des Frequenzgangs siehe Service-Handbuch.

### Achtung:

- Während der Kalibrierung dürfen an den Ausgängen des Generators und an den Eingängen des Analysators keine Kabel angeschlossen sein!
- Umgebungstemperatur: 23±5°C
- Aufwärmzeit des UPL: 1 Stunde

### Kalibrierung:

- UPL einschalten
- Aufwärmzeit abwarten
- Kalibrier-Routine im OPTIONS-Panel aufrufen:  
in der Zeile CALIBRATION GEN LOW DIST „ONCE“ selektieren
- Die Kalibrierung läuft automatisch ab

### Zur Inbetriebnahme:

Nach dem Einschalten des Geräts wird die eingebaute Option automatisch von der Software erkannt und kann im Generatorpanel bedient werden.

### Benötigte Werkzeuge:

- \* Kreuzschlitzschraubendreher Größe 1 oder 2

Für diese Unterlage behalten wir uns alle Rechte vor.

01			Ne		Tag	Name	<h1 style="margin: 0;">Einbauanweisung</h1> <h2 style="margin: 0;">Installation Instruction</h2>	
			Bearb.	11.95	Ne			
			Gepr.					
			Norm					
						Zeichn.-Nr.		Blatt-Nr.
			<b>ROHDE &amp; SCHWARZ</b>			<b>1078.4423</b>		<b>1</b>
Änd. Zust.	Änderungs-Mitteilung	Tag	Name	zu Gerät UPL-B1		reg. i. V. 1078.4400	erste Z. 1078.4417	v. Bl. 2

## Installation of Option UPL-B1 (Low Distortion Generator)

- Switch off UPL, unplug power cable from AC supply
- \* Unscrew feet at rear of unit
- Turn unit by 180° to allow bottom to be accessed from above
- Push slightly backwards and remove bottom cover panelling
- Connect cable W100 (1078.3085.00) to plug X100 of Analog Unit (1078.2908.00)  
(take care to connect W100•1 to X100•1)
- Insert side with extraction levers of Low Distortion Generator (cover label on top) into the two red plastic holders
- \* Use the two screw assemblies M2.5x6 and metal plate to fix Low Distortion Generator to the analog unit
- \* Mount bottom cover panelling and feet to unit (panelling must in good contact with the frame to ensure RF shielding)

Level and frequency accuracy need to be calibrated after installation. No external measuring instruments are required, as the generator signal is measured by the analyzer via an internal link.

- Frequency is measured by the UPL frequency counter.
- Voltage is calibrated relative to the universalgenerator, which should be matched and calibrated.

Frequency response matching is not necessary

For testing frequency response, see service manual

### Caution:

- During calibration cables must not be connected to the generator outputs and analyzer inputs
- Ambient temperature: 23±5°C
- Warming-up time of UPL: 1 hour

### Calibration:


- Switch on UPL
- Allow to warm up
- Call calibration routine in OPTIONS Panel:  
select "ONCE" in CALIBRATION GEN LOW DIST line
- Calibration is run automatically

### Putting into operation:


On power-up of the unit, the installed option will be automatically recognized by the software and can be controlled via the analyzer panel

### Tools required:

- \* Phillips screw driver size 1 or 2

01			Ne	Tag	Name	Benennung <b>Einbauanweisung</b> Installation Instruction	
				Bearb. 12.95	Ne		
				Gepr.			
				Norm			
						Zeichn.-Nr.	Blatt-Nr.
				<b>ROHDE &amp; SCHWARZ</b>		<b>1078.4423</b>	<b>2</b>
Änd. Zust.	Anderungs-Mittellung	Tag	Name	zu Gerät UPL-B1		reg. i. v. 1078.4400	v. Bl. 2
						erste z. 1078.4417	

Für diese Unterlage behalten  
wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = GRUNDAUSFUEHRUNG MOD 02 = BASIC MODEL					
A26	ED LOW DIST.GENERATOR LOW DIST.GENERATOR HIERZU STROML.1031.2699 S SEE CIRC.DIAG.1031.2699 S	1031.2699.02				
W100	DY LOW DIST. CABLE	1078.3085.00			1078.4417.00	
1GPK	296 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
 <b>ROHDE &amp; SCHWARZ</b>	01	11.03.97	GG UPL-B1 LOW DIST.GEN	<b>1078.4400.01 SA</b>	1-	

095.0026-0693

1

2

3

4

F

E

D

C

B

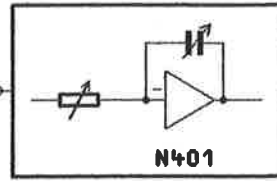
A

FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

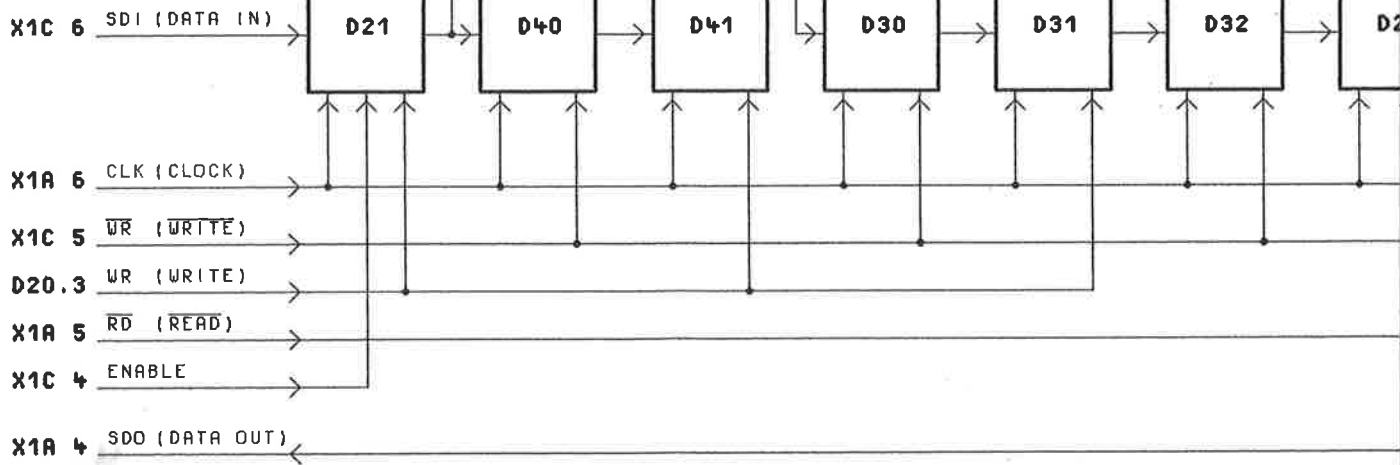
ZEICHN.-NR.

SHEET 4

INTEGRATOR 2



DATA LINK



1

2

3

4

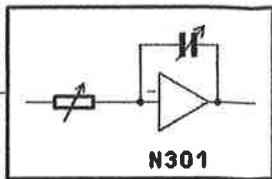
SHEET3

INTEGRATOR 1

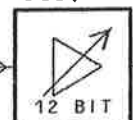
LOOP

SIN

COS



FREQ TUNE  
D32, N35

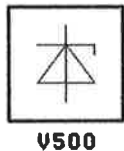


12 BIT  
V=1,0...0,0

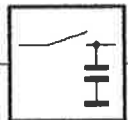
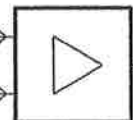
SHEET5

LEVEL CONTROL (ALC)

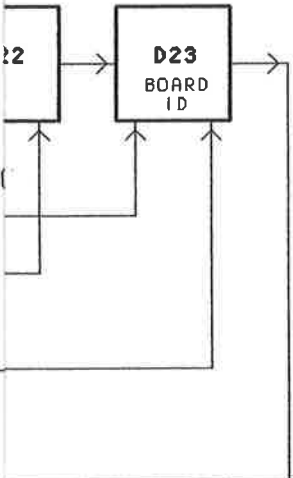
SUMMIERVERSTÄRKER  
SUMMING AMPLIFIER



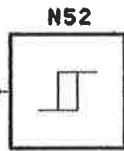
-6V2



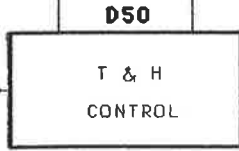
V504  
C504  
N53



SIN



N52



T & H  
CONTROL

V505..V508

STROMLAUF GILT FUER VAR.02  
CIRCUIT DIAGRAM IS VALID FOR MOD.02



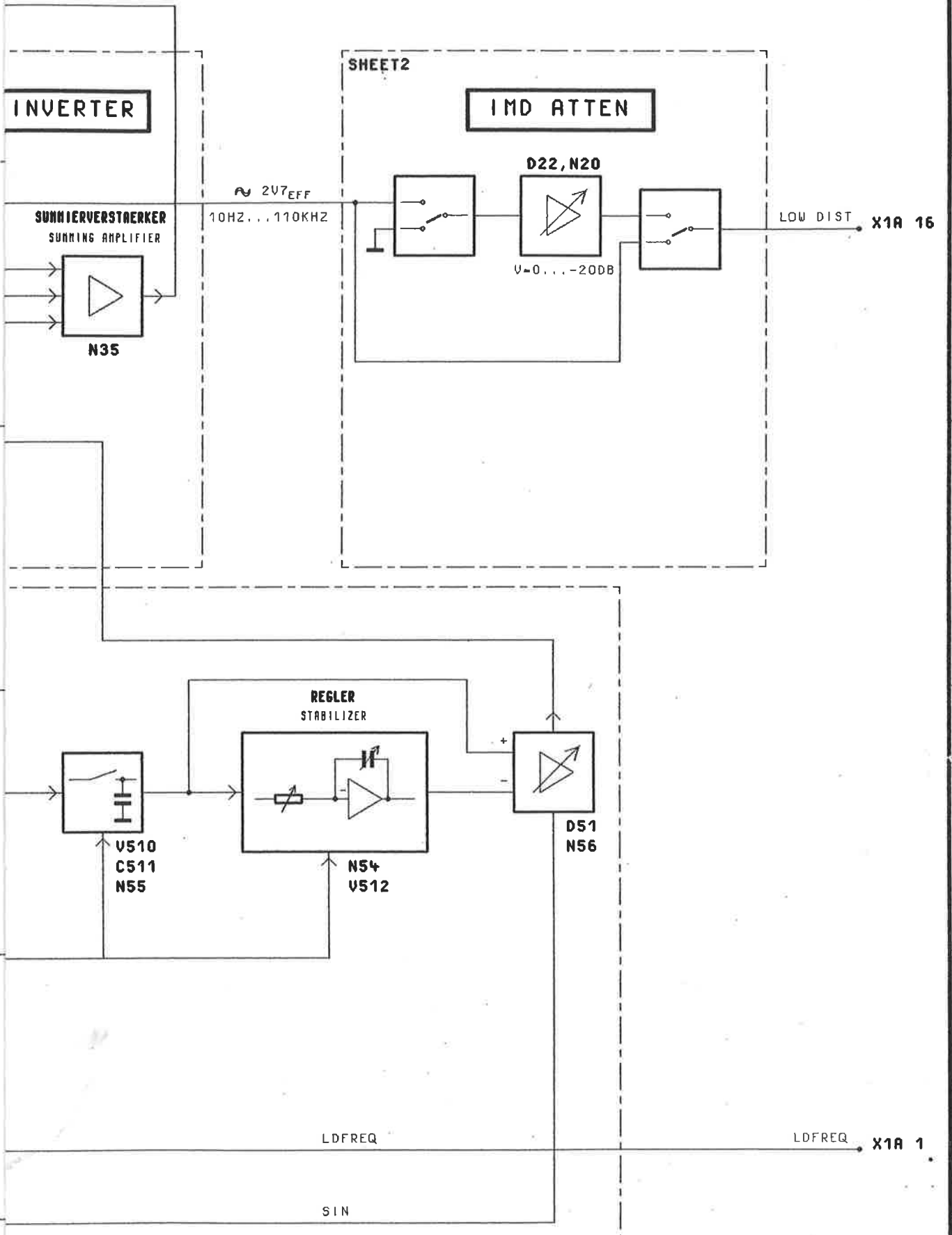
ACHTUNG: EGB!  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
ATTENTION ESD!  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

02/0

REND  
IND

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

ZEICHN.-NR.

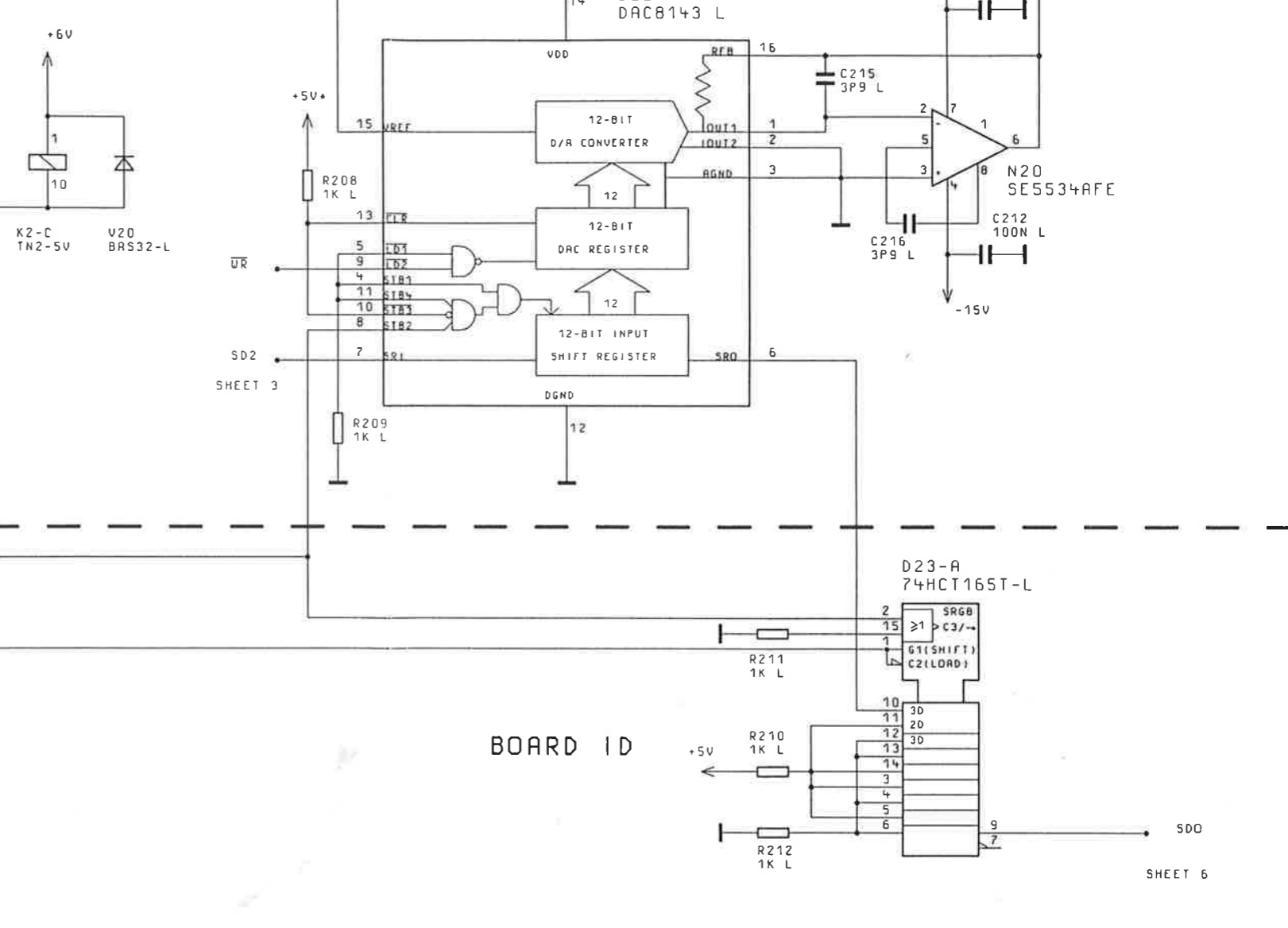
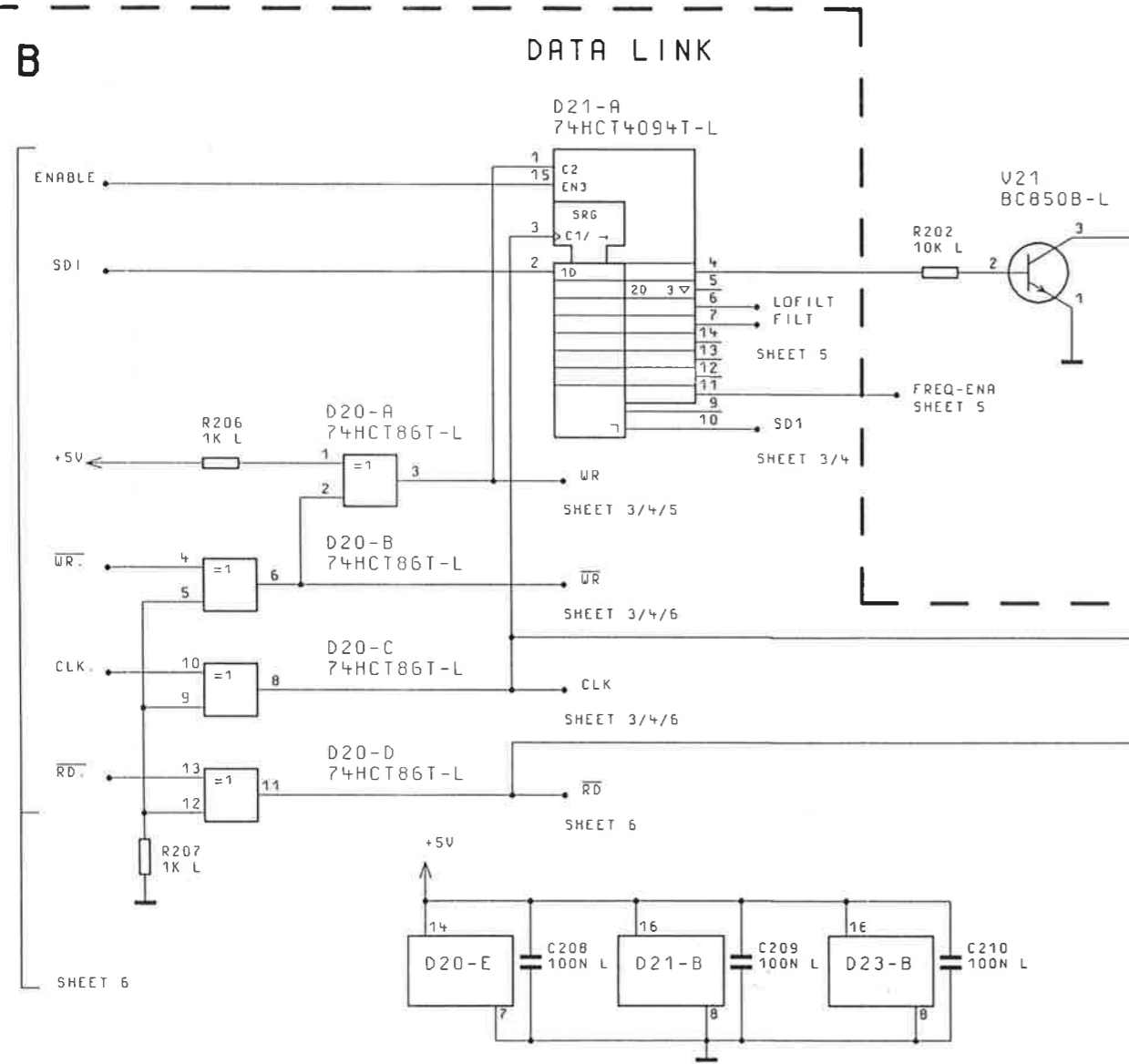
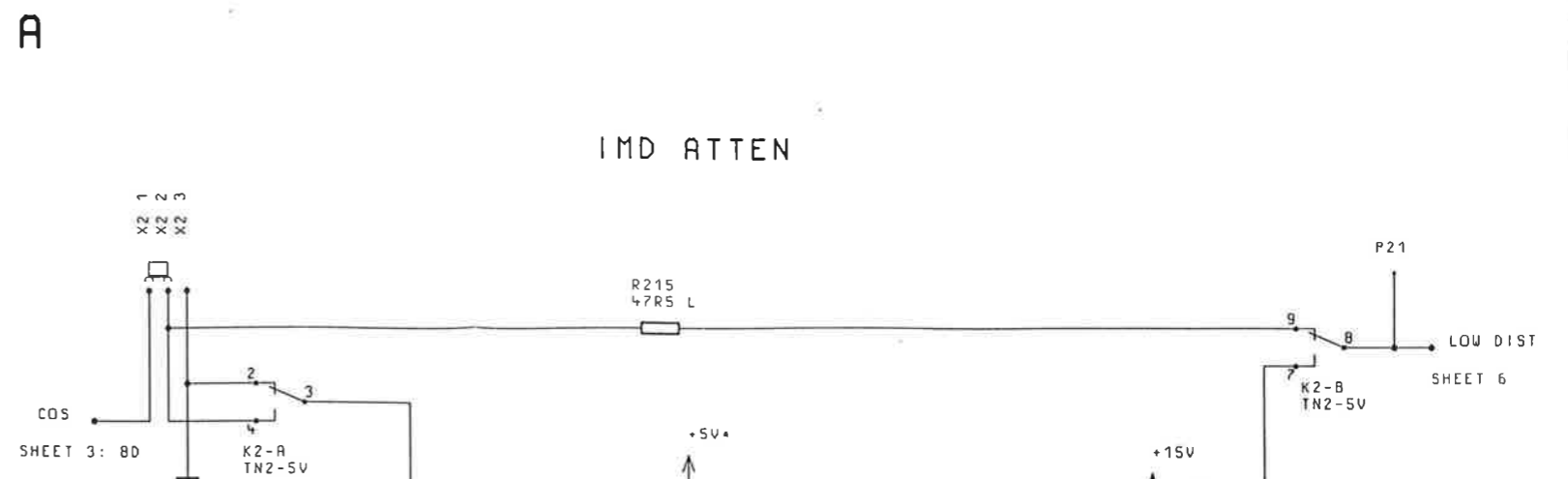
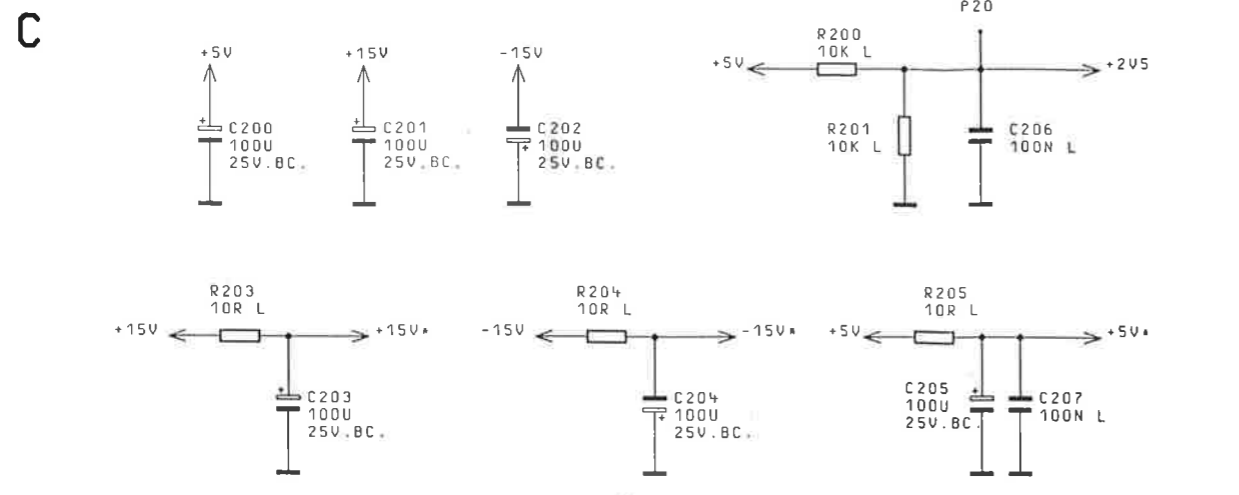


FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR

0			1GPK	TAG	NAME	BENENNUNG	
			BEARB.		FW	LOW DIST.GENERATOR LOW DIST.GENERATOR	
			GEPR.		SR		
			NORM				
			PLOTT	06.08.93			
			<b>ROHDE &amp; SCHWARZ</b>			ZEICHN.-NR.	BLATT-NR.
	ÄNDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPD-B1	REG.I.V.	ERSTE Z.
						1031.2601	1031.2601

ZEICHN.-NR.

FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR



STROMLAUF GILT FUER VAR.02  
CIRCUIT DIAGRAM IS VALID FOR MOD.02



ACHTUNG: EGB!  
ELEKTROSTATISCH GEFAHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
ATTENTION ESD!  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

03/				1GPK	TAG	NAME	BENENNUNG
				BEARB.		SR	LOW DIST.GENERATOR
				GEPR.			LOW DIST.GENERATOR
				NORM			
				PLOTT	07.02.97		
						ZEICHN.-NR.	
						1031.2699.015	
REND. IND.	RENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT UPD-B1		REG. I. V.	1031.2601
						ERST. Z.	1031.2601
						BLATT-NR.	2+
							5 BL.

P30

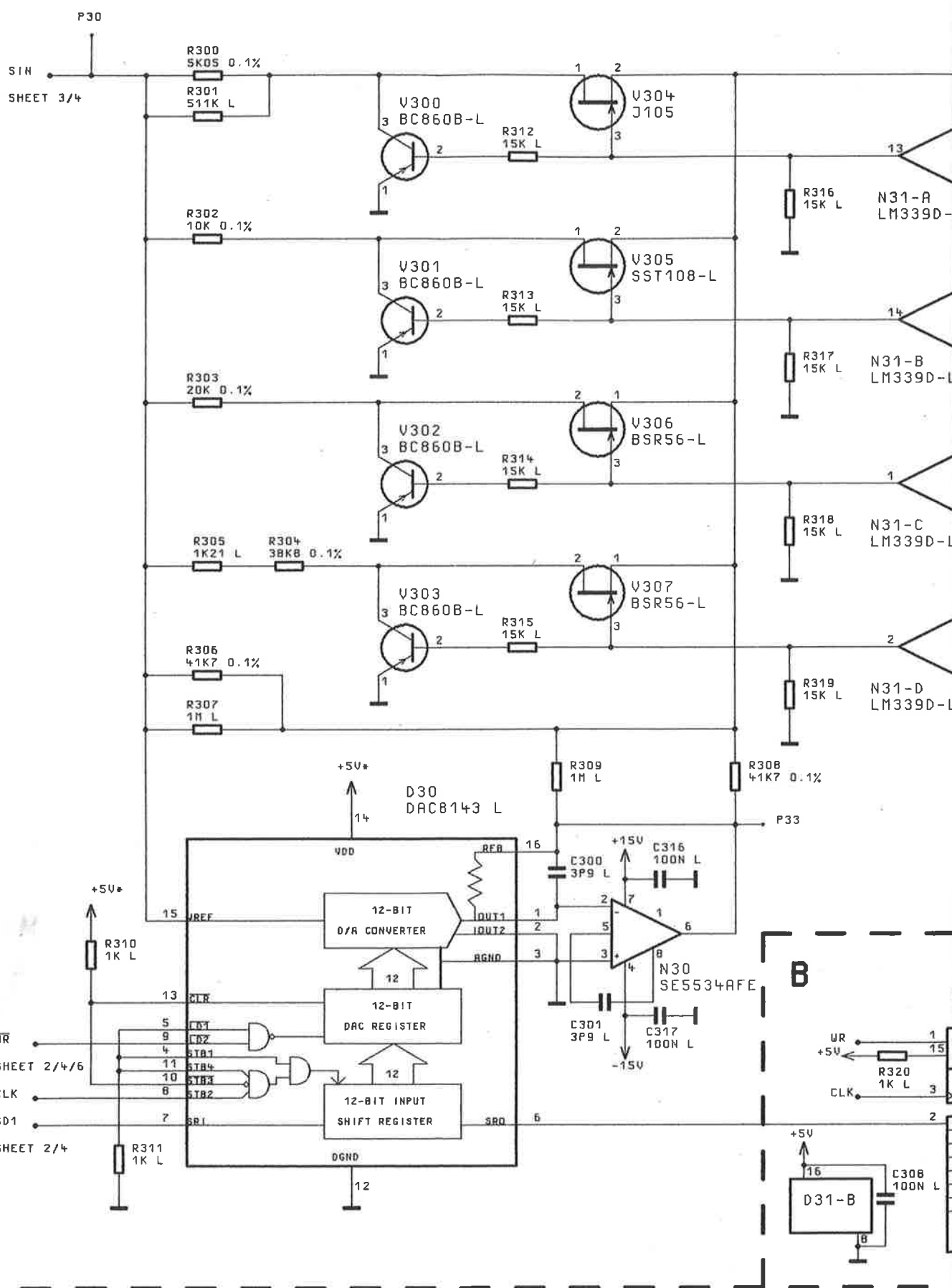
P33

C

SHEET 4

# INTEGRATOR 1

FRQ  
FRQ  
FRQ



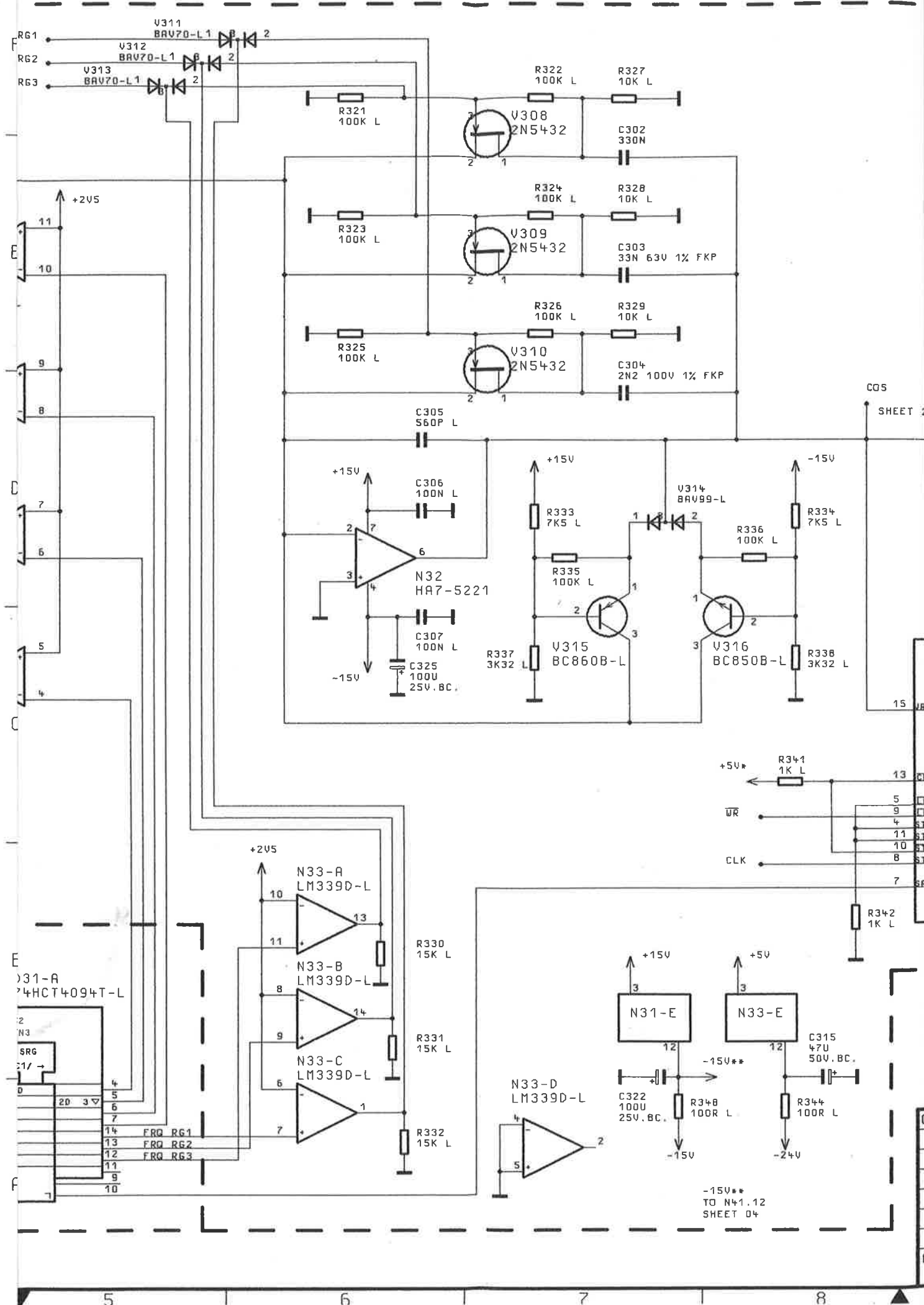
FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

ZEICHN. - NR.

F  
E  
D  
C  
B  
A

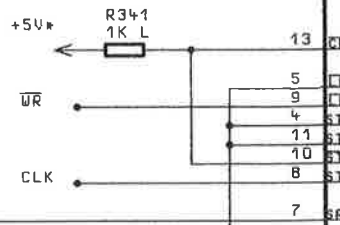


FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



C05  
SHEET 2

15



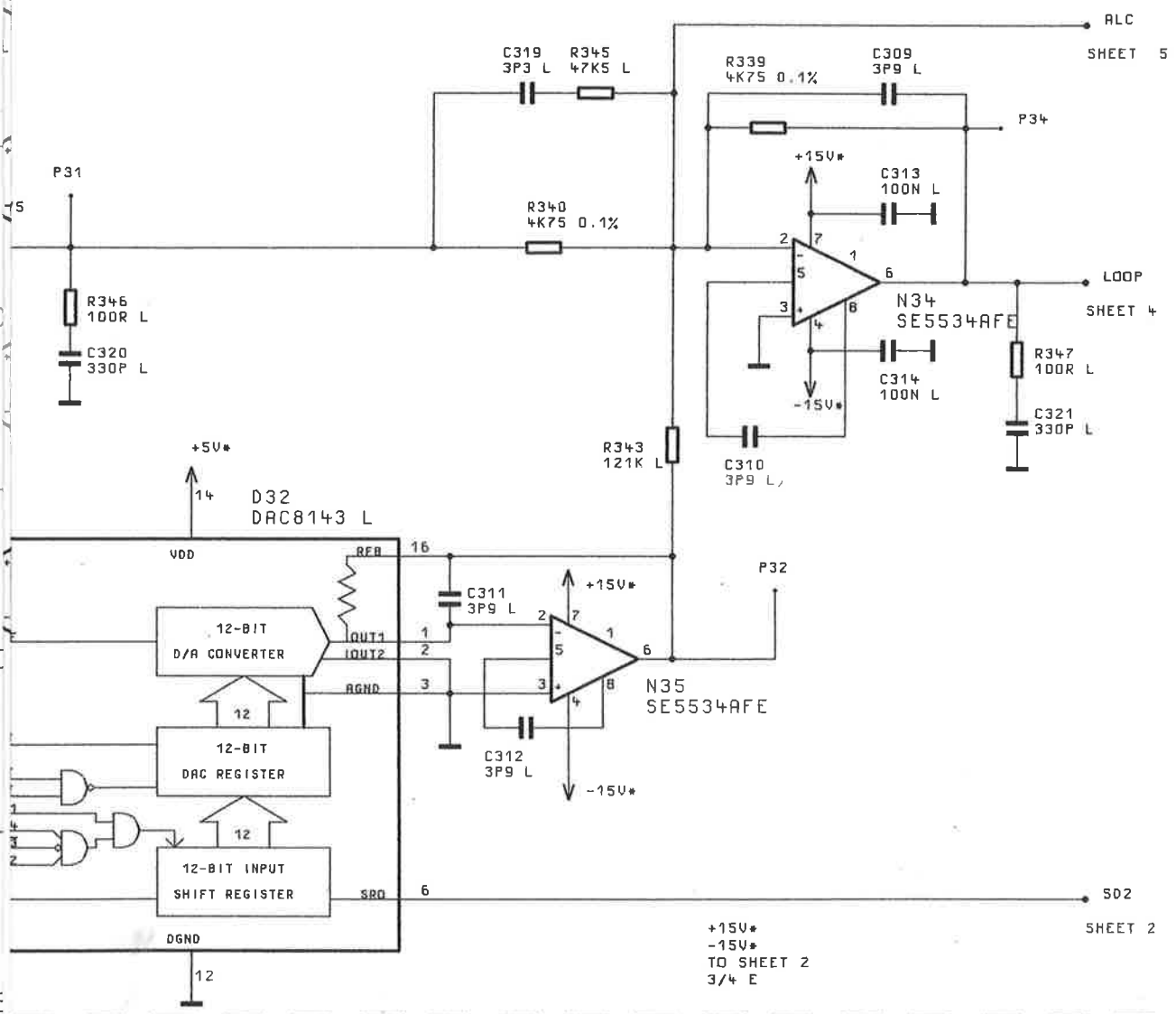
-15V\*\*  
TO N41.12  
SHEET 04

ZEICHN.-NR.

P31 P32 P34

# LOOP INVERTER

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



SHEET 5

SHEET 4

SHEET 2

+15V\*  
-15V\*  
TO SHEET 2  
3/4 E

STROMLAUF GILT FUER VAR.02  
CIRCUIT DIAGRAM IS VALID FOR MOD.02

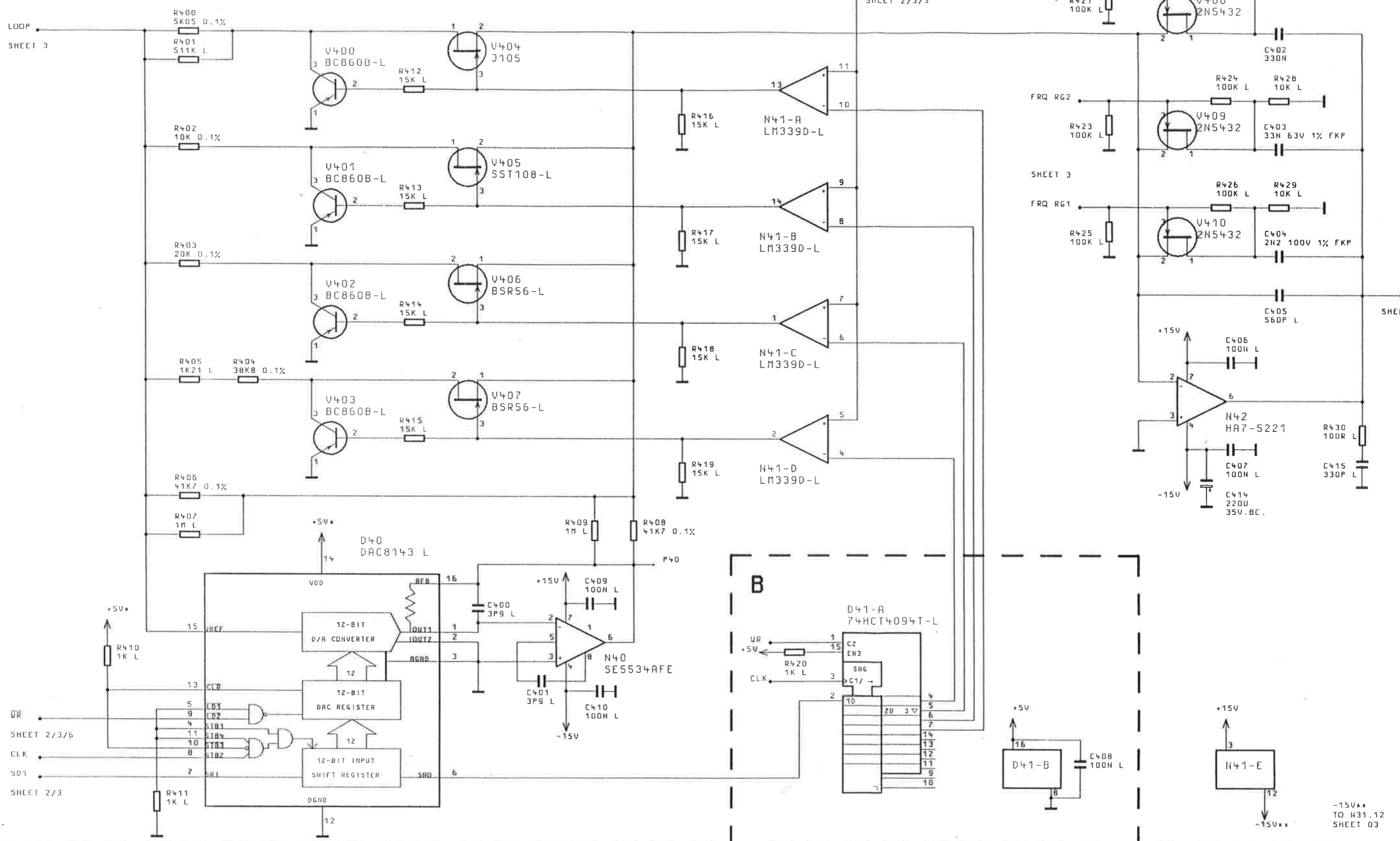


**ACHTUNG: EGB!**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG!  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

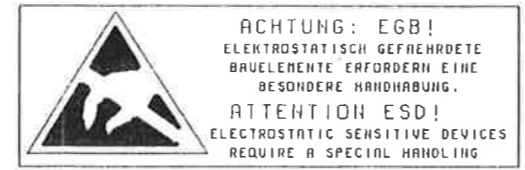
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				BEARB.		FW	LOW DIST.GENERATOR LOW DIST.GENERATOR		
				GEPR.		SR			
				NORM					
				PLOTT	24.05.93				
				<b>ROHDE &amp; SCHWARZ</b>			ZEICHN.-NR.	BLATT-NR.	
							1031.2699.015	3+	
NO. ID.	RENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPD-B1	REG.I.V.	1031.2601	ERSTE Z.	1031.2601

ZEICHN.-NR.

INTEGRATOR 2



STROMLAUF GILT FUER VAR.02  
CIRCUIT DIAGRAM IS VALID FOR MOD.02



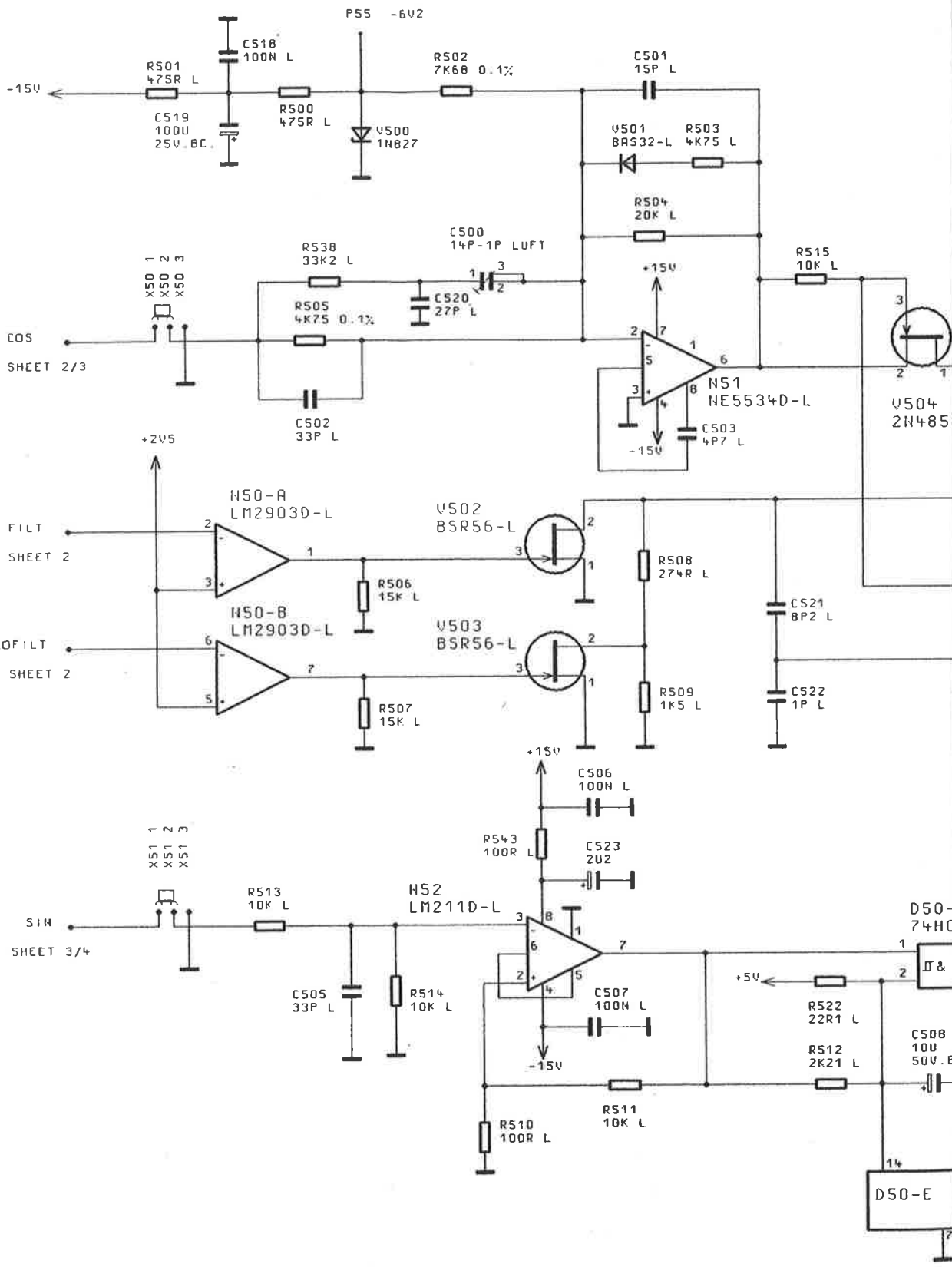
02/00				1GPK	TAG	NAME	BENENNUNG
				BEARB.		FW	LOW DIST.GENERATOR
				GEPR.		SR	LOW DIST.GENERATOR
				NDRN			
				PLOTT	24.05.93		
						ZEICHN.-NR.	
						1031.2699.015	
REND. IND.	RENDERUNGS-NITTEILUNG	DATUM	NAME	ZU GERÄT	UPD-B1	REG.-I.V.	1031.2601
						ERSIC Z.	1031.2601

FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR

ZEICHN.-NR

F  
E  
D  
C  
B  
A

D



FUEP DIESE UNTERLAGE  
BEHALTEN WIP UNS ALLE RECHTE UOOP

ZEICHN.-NR.

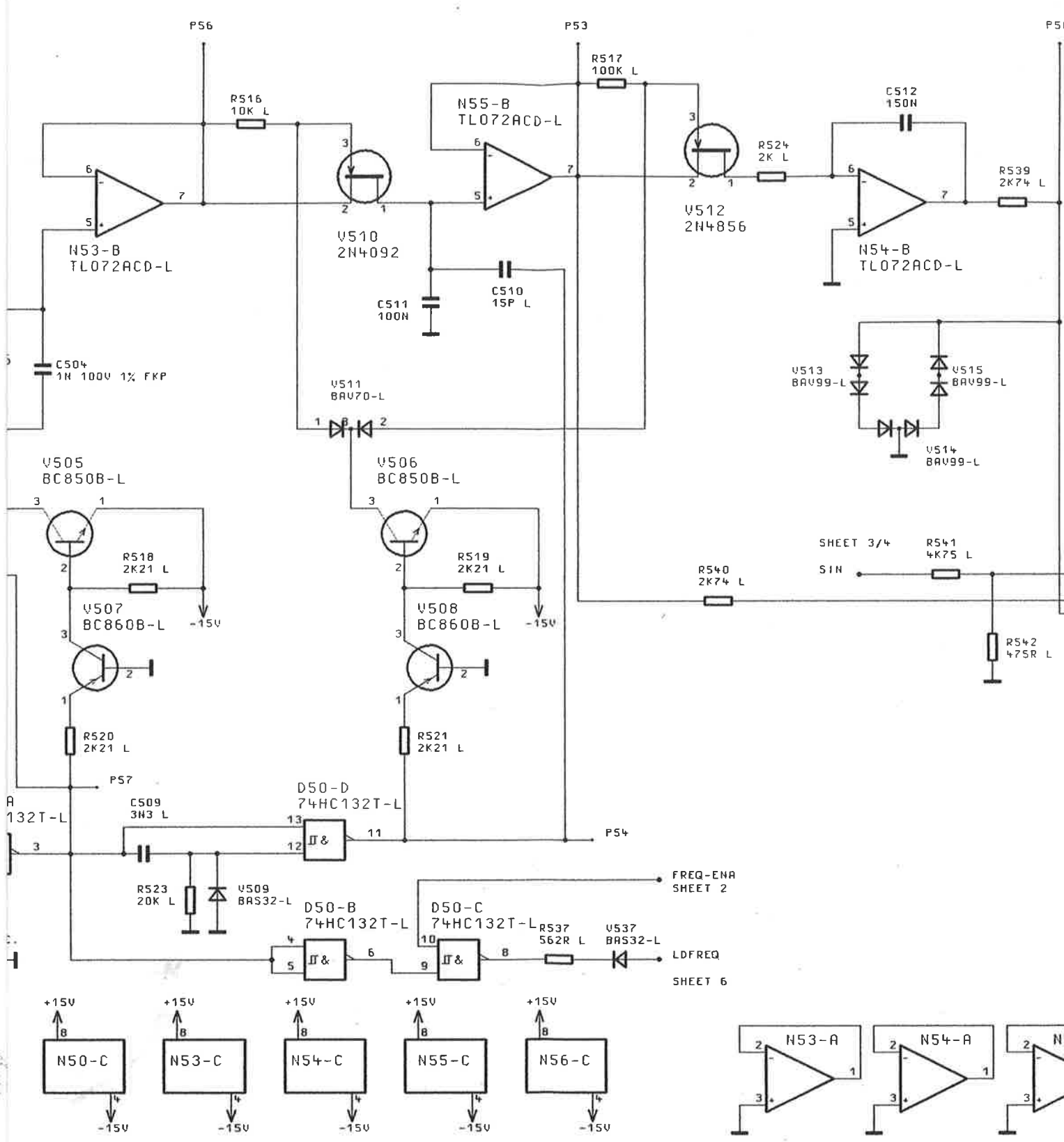
P57

P56

P53  
P54

P58

BEHALTEN WIP UNS ALLE RECHTE VOR  
FUER DIESE UNTERLAGE



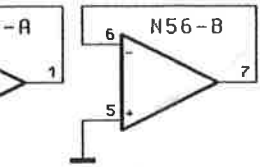
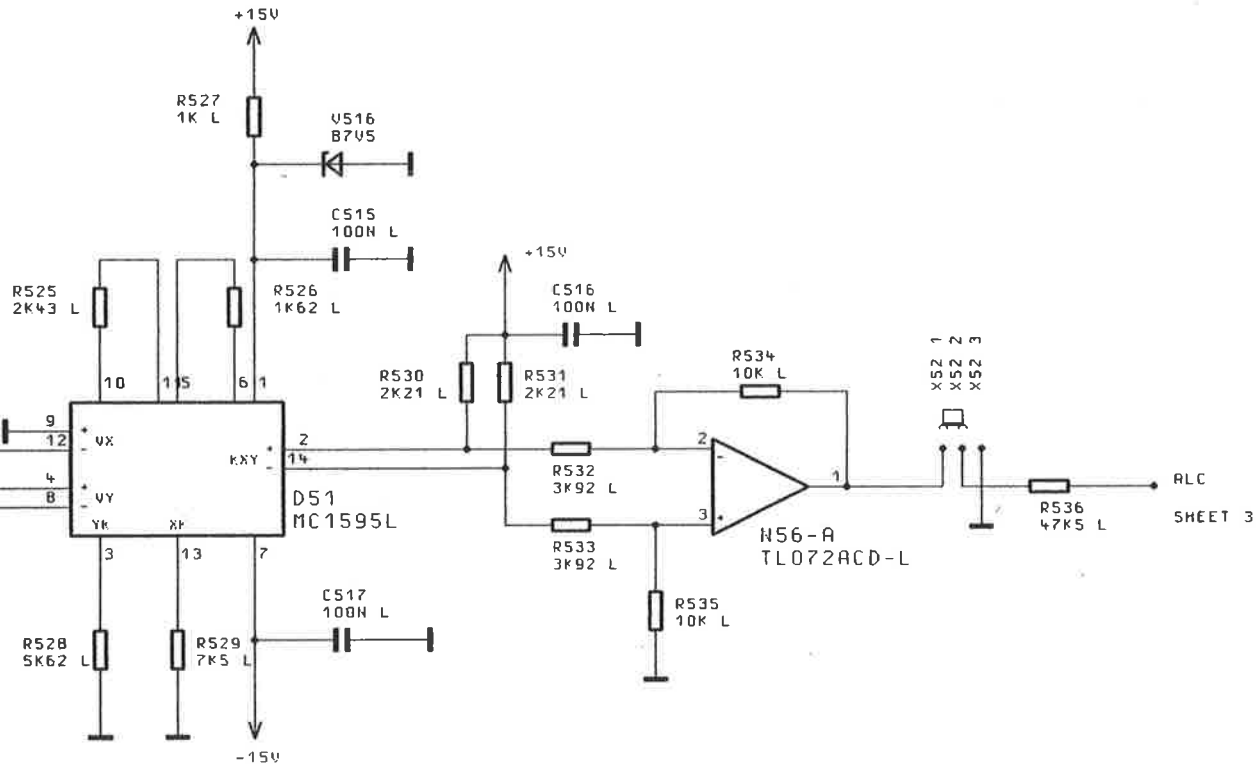
STROMLAUF GILT FUER VAR.02  
CIRCUIT DIAGRAM IS VALID FOR MOD.02




ACHTUNG: EGB!  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
ATTENTION ESD!  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

03/  
REN  
INI

LEVEL CONTROL (ALC)



			1GPK	TAG	NAME	BENENNUNG  <b>LOW DIST.GENERATOR</b> LOW DIST.GENERATOR	BLATT-NR. <b>5+</b> v. 5 BL.	
			BEARB.		SR			
			GEPR.					
			NORM					
			PLOTT	07.02.97				
			 <b>ROHDE &amp; SCHWARZ</b>			ZEICHN.-NR.	1031.2699.015	
ENDERUNGS-NITTEILUNG	DATUM	NAME				ZU GERÄT		UPD-B1

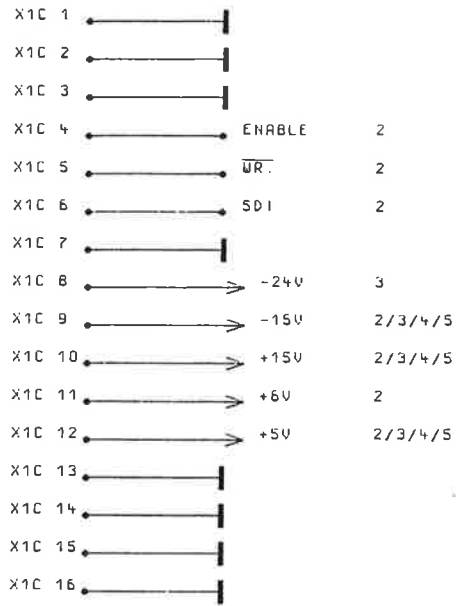
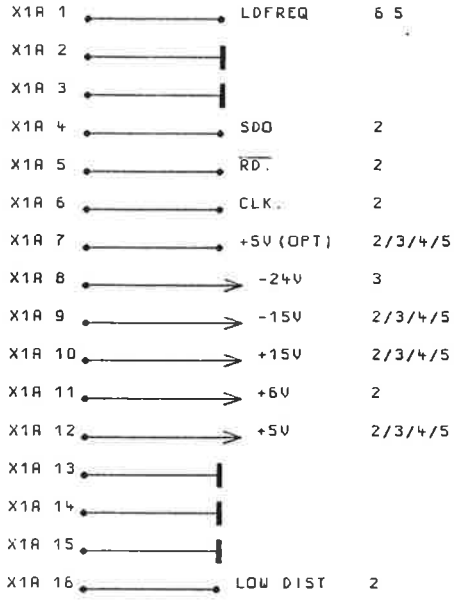
BEHALTEN VUR UNS ALLE RECHTE UDR  
FOLK DIESE UNTERLAGE

F  
E  
D  
C  
B

F  
E  
D  
C  
B

SHEET

SHEET

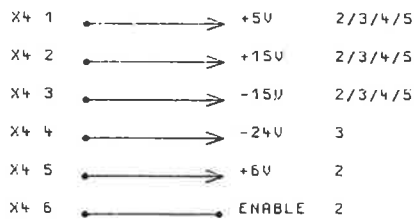
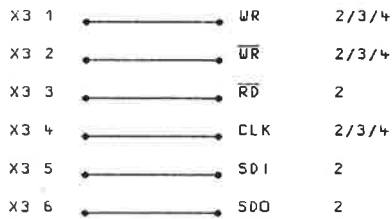


B

SHEET

C

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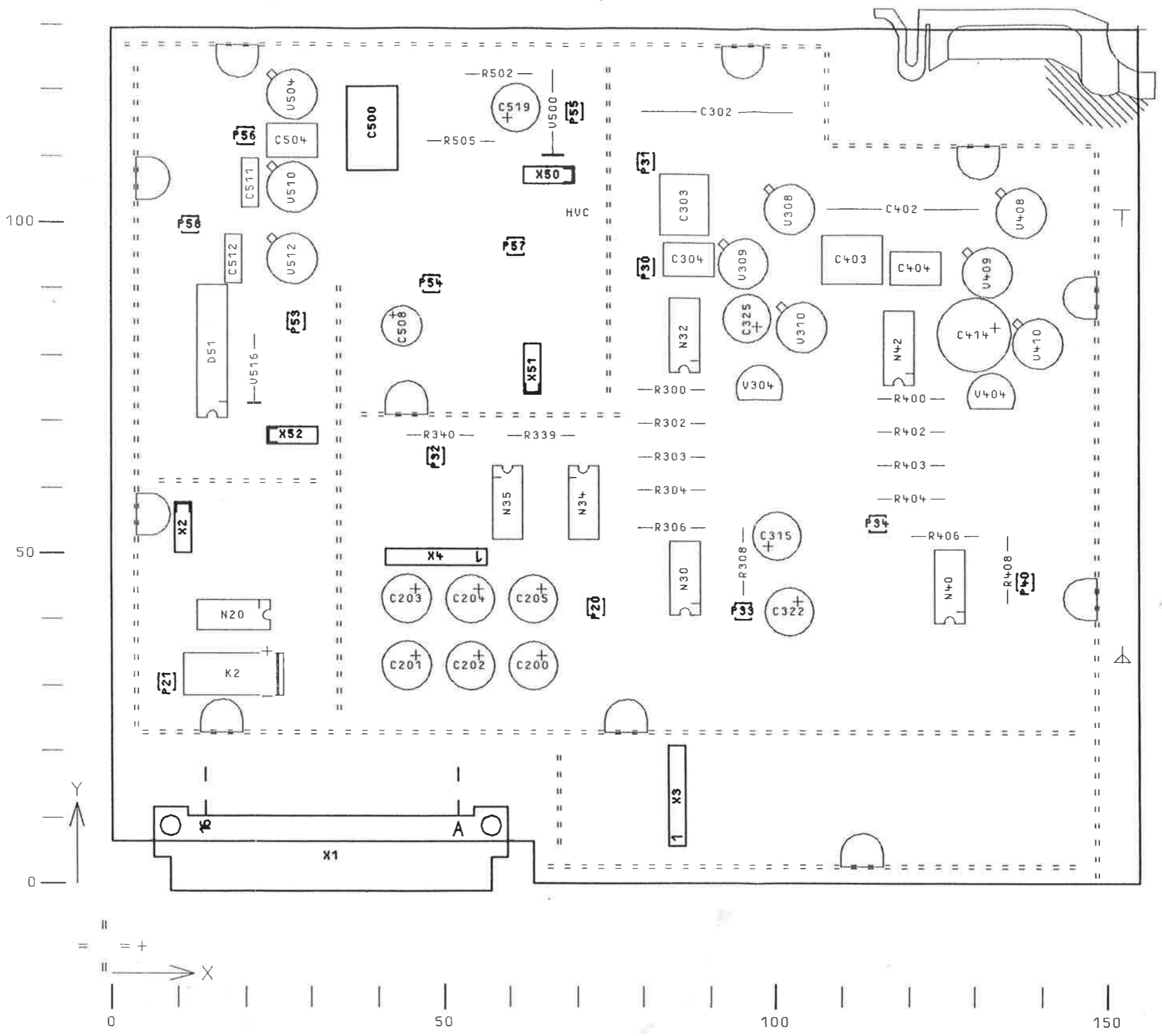


**ACHTUNG: EGB!**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

**STROMLAUF GILT FUER VAR.02**  
CIRCUIT DIAGRAM IS VALID FOR MOD.02

02/00				1GPK	TAG	NAME	BENENNUNG			
				BEARB.		FW	LOW DIST.GENERATOR			
				GEPR.		SR	LOW DIST.GENERATOR			
				NORM						
				PLOTT	24.05.93					
				<b>ROHDE&amp;SCHWARZ</b>		ZEICHN.-NR.		BLATT-NR.		
						1031.2699.01S		6-		
REND. IND.	RENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT		UPD-B1	REG. I.V.	1031.2601	ERSTE Z.	1031.2601

FÜR DIESE ZEICHNUNG BEHALTEN WIR UNS ALLE RECHTE VOR  
 DIESE ZEICHNUNG IST EINE RECHNERAUSGABE. VERÄNDERUNGEN KÖNNEN NUR DURCH RECHNEN  
 DES DATENSATZES ERFOLGEN



DARSTELLUNG SEITE B  
VIEW ON SIDE B



**ACHTUNG: EGB!**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

BINDENDE ANGABEN ÜBER VARIANTEN,  
 TRIMMWERTE, BAUTEILWERTE UND  
 NICHT BESTÜCKTE BAUTEILE SIEHE SR.  
 FOR BINDING INFORMATION ON MODELS,  
 TRIMMING AND COMPONENTS VALUES AND  
 NONFITTED COMPONENTS SEE PARTS LIST.

02/00				1GPK	TAG	NAME	BENENNUNG	2	
				BEARB.		SR	LOW DIST.GENERATOR		
				GEPR.		SR	LOW DIST.GENERATOR		
				NORM					
				PLOT!	18.05.93				
				<b>ROHDE &amp; SCHWARZ</b>			ZEICHN.-NR.	BLATT-NR.	
									1031.2699.01
REND. IND.	RENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPD-B1	REG. I. V.	1031.2601	ERSTE Z.	1031.2601





## XY-Liste

## XY List

### Erklärung der Spaltenbezeichnungen:

- Part:** Bauelement-Kennzeichen.
- Side:** Leiterplatten-Seite, auf der sich das Bauelement befindet.
- X/Y:** Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
- SQR, PG:** Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

### Explanation of column designations:

- Part:** Identification of instrument part.
- Side:** Side of the PC board on which instrument part is positioned.
- X/Y:** Coordinates (millimeter) of the component on the PC board in reference to zero point.
- SQR, PG:** Square and page of the diagram for the respective instrument part.

Part Side X Y Sqr Pg					Part Side X Y Sqr Pg					Part Side X Y Sqr Pg							
C200	B	65	33	2F	2	C504	B	25	112	5D	5	N33-E			8B	3	
C201	B	46	33	2F	2	C505	A	69	77	2B	5	N34	B	67	62	11D	3
C202	B	55	33	2F	2	C506	A	56	90	3C	5	N35	B	56	62	10C	3
C203	B	46	43	2E	2	C507	A	70	87	3B	5	N40	B	130	41	4C	4
C204	B	55	43	3E	2	C508	B	44	86	4B	5	N41-A	A	143	36	5E	4
C205	B	65	43	4E	2	C509	A	41	88	5C	5	N41-B				5E	4
C206	A	58	40	4F	2	C510	A	38	91	6E	5	N41-C				5D	4
C207	A	66	46	4E	2	C511	B	21	109	6E	5	N41-D				5C	4
C208	A	78	6	2B	2	C512	B	18	97	8E	5	N41-E				7B	4
C209	A	95	6	3B	2	C515	A	24	74	9D	5	N42	B	123	77	7D	4
C210	A	122	6	4B	2	C516	A	28	77	10D	5	N50-A	A	72	34	2D	5
C211	A	20	41	7E	2	C517	A	22	89	9C	5	N50-B				2D	5
C212	A	11	44	7D	2	C518	A	59	120	2F	5	N50-C				5B	5
C215	A	28	48	7D	2	C519	B	60	117	2E	5	N51	A	56	119	3E	5
C216	A	28	41	7D	2	C520	A	50	110	3E	5	N52	A	67	91	3C	5
C300	A	86	48	3B	3	C521	A	36	105	4D	5	N53-A	A	11	116	7B	5
C301	A	79	51	3B	3	C522	A	60	100	4D	5	N53-B				5E	5
C302	B	103	117	7E	3	D20-A	A	72	10	2C	2	N53-C				5B	5
C303	B	84	103	7E	3	D20-B				1C	2	N54-A	A	8	92	8B	5
C304	B	90	95	7D	3	D20-C				1C	2	N54-B				8E	5
C305	A	88	91	6D	3	D20-D				1B	2	N54-C				6B	5
C306	A	80	84	6D	3	D20-E				2B	2	N55-A	A	11	105	8B	5
C307	A	86	87	6C	3	D21-A	A	89	10	2D	2	N55-B				6E	5
C308	A	106	6	4A	3	D21-B				3B	2	N55-C				6B	5
C309	A	63	68	11E	3	D22	A	14	48	6C	2	N56-A	A	15	69	10D	5
C310	A	71	56	11D	3	D23-A	A	116	10	7C	2	N56-B				9B	5
C311	A	54	65	10C	3	D23-B				3B	2	N56-C				6B	5
C312	A	60	56	10C	3	D30	A	96	39	2A	3	HVC	B	69	102	1B	6
C313	A	73	65	11D	3	D31-A	A	100	10	4B	3	P20	B	73	42	4F	2
C314	A	67	51	11D	3	D31-B				4A	3	P21	B	8	30	8E	2
C315	B	99	53	8A	3	D32	A	52	62	8B	3	P30	B	81	93	1E	3
C316	A	79	45	3B	3	D40	A	130	37	2A	4	P31	B	81	109	9D	3
C317	A	93	51	3B	3	D41-A	A	135	10	5B	4	P32	B	49	65	11C	3
C319	A	60	65	10E	3	D41-B				6B	4	P33	B	95	41	4C	3
C320	A	81	102	9D	3	D50-A	A	53	87	4C	5	P34	B	116	55	11E	3
C321	A	69	45	11D	3	D50-B				6B	5	P40	B	138	46	4C	4
C322	B	104	41	7A	3	D50-C				6B	5	P53	B	28	85	7F	5
C325	B	96	84	6C	3	D50-D				6C	5	P54	B	48	91	7C	5
C400	A	126	47	3C	4	D50-E				4B	5	P55	B	70	117	2F	5
C401	A	119	50	4B	4	D51	B	19	73	9D	5	P56	B	20	113	5F	5
C402	B	131	102	8F	4	K2-A	B	23	33	5E	2	P57	B	61	97	5C	5
C403	B	112	97	8E	4	K2-B				8E	2	P58	B	12	100	8F	5
C404	B	124	93	8D	4	K2-C				4D	2	R200	A	65	36	3F	2
C405	A	121	88	8D	4	N20	B	22	44	7D	2	R201	A	62	40	3F	2
C406	A	112	79	7D	4	N30	B	90	43	3B	3	R202	A	67	29	4D	2
C407	A	119	85	7C	4	N31-A	A	110	37	5E	3	R203	A	47	36	2E	2
C408	A	140	6	7B	4	N31-B				5D	3	R204	A	53	36	2E	2
C409	A	119	40	4C	4	N31-C				5D	3	R205	A	68	36	3E	2
C410	A	133	49	4B	4	N31-D				5C	3	R206	A	75	6	2C	2
C414	B	133	83	7C	4	N31-E				7B	3	R207	A	82	15	1B	2
C415	A	109	93	8C	4	N32	B	90	79	6D	3	R208	A	29	52	5D	2
C500	B	39	110	3E	5	N33-A	A	115	48	6B	3	R209	A	11	48	5C	2
C501	A	39	116	3F	5	N33-B				6B	3	R210	A	127	8	7B	2
C502	A	54	112	2E	5	N33-C				6A	3	R211	A	130	11	7B	2
C503	A	47	118	4D	5	N33-D				7A	3	R212	A	126	16	7B	2

ROHDE & SCHWARZ	-I	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	02	26.05.93	EE LOW_DIST.GENERATOR LOW_DIST.GENERATOR	1031.2699.01 XY	1+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R215	A	22	27	6E	2	R405	A	113	63	2D	4	R529	A	8	75	9C	5
R300	B	79	75	2E	3	R406	B	121	53	2C	4	R530	A	28	70	10D	5
R301	A	80	81	2E	3	R407	A	124	53	2C	4	R531	A	15	82	10D	5
R302	B	79	70	2E	3	R408	B	135	53	4C	4	R532	A	22	68	10D	5
R303	B	79	65	2D	3	R409	A	135	49	4C	4	R533	A	15	75	10C	5
R304	B	79	60	2C	3	R410	A	115	33	2B	4	R534	A	26	65	10D	5
R305	A	78	57	2C	3	R411	A	133	32	2B	4	R535	A	18	68	10C	5
R306	B	79	54	2C	3	R412	A	125	71	3E	4	R536	A	43	65	11D	5
R307	A	83	53	2C	3	R413	A	125	66	3E	4	R537	A	44	79	6B	5
R308	B	95	54	4C	3	R414	A	125	61	3D	4	R538	A	57	110	2E	5
R309	A	95	51	3C	3	R415	A	125	56	3C	4	R539	A	9	89	8E	5
R310	A	82	35	1B	3	R416	A	140	74	5E	4	R540	A	30	85	7D	5
R311	A	100	32	2A	3	R417	A	136	66	5E	4	R541	A	30	74	8D	5
R312	A	89	72	3E	3	R418	A	136	61	5D	4	R542	A	8	79	8C	5
R313	A	89	67	3D	3	R419	A	136	56	5C	4	V20	A	28	34	5D	2
R314	A	89	62	3D	3	R420	A	144	7	5B	4	V21	A	58	28	4D	2
R315	A	89	57	3C	3	R421	A	143	98	7F	4	V300	A	84	72	3E	3
R316	A	104	75	4E	3	R422	A	139	105	7F	4	V301	A	84	67	3D	3
R317	A	100	67	4D	3	R423	A	138	89	7E	4	V302	A	84	62	3D	3
R318	A	100	62	4D	3	R424	A	134	97	7E	4	V303	A	84	57	3C	3
R319	A	100	57	4C	3	R425	A	142	74	7D	4	V304	B	95	75	3E	3
R320	A	111	14	4B	3	R426	A	141	85	7E	4	V305	A	97	70	3D	3
R321	A	105	93	6F	3	R427	A	125	102	8F	4	V306	A	97	65	3D	3
R322	A	105	105	7F	3	R428	A	125	97	8E	4	V307	A	97	60	3C	3
R323	A	101	91	6E	3	R429	A	129	88	8E	4	V308	B	100	102	7F	3
R324	A	97	98	7E	3	R430	A	116	92	8D	4	V309	B	93	94	7E	3
R325	A	111	81	6E	3	R500	A	67	114	2F	5	V310	B	102	84	7E	3
R326	A	105	87	7E	3	R501	A	59	114	2F	5	V311	A	108	78	5F	3
R327	A	96	102	7F	3	R502	B	64	123	3F	5	V312	A	113	90	5F	3
R328	A	89	99	7E	3	R503	A	33	110	4E	5	V313	A	114	103	5F	3
R329	A	93	88	7E	3	R504	A	42	115	3E	5	V314	A	96	109	7D	3
R330	A	100	46	6B	3	R505	B	58	112	2E	5	V315	A	87	109	7C	3
R331	A	100	49	6B	3	R506	A	52	107	2D	5	V316	A	91	109	8C	3
R332	A	116	51	6A	3	R507	A	56	107	2D	5	V400	A	120	71	3E	4
R333	A	88	114	7D	3	R508	A	39	103	3D	5	V401	A	120	66	3E	4
R334	A	96	114	8D	3	R509	A	45	103	3D	5	V402	A	120	61	3D	4
R335	A	88	111	7D	3	R510	A	61	78	3B	5	V403	A	120	56	3C	4
R336	A	92	111	8D	3	R511	A	64	84	3B	5	V404	B	130	74	3E	4
R337	A	85	116	7C	3	R512	A	57	87	4C	5	V405	A	133	69	3E	4
R338	A	92	116	8C	3	R513	A	66	77	2C	5	V406	A	133	63	3D	4
R339	B	60	68	11E	3	R514	A	67	84	3C	5	V407	A	133	58	3D	4
R340	B	44	68	10D	3	R515	A	33	116	4E	5	V408	B	135	102	7F	4
R341	A	43	46	8C	3	R516	A	25	109	5E	5	V409	B	130	93	7E	4
R342	A	38	55	8B	3	R517	A	30	88	7E	5	V410	B	137	82	7E	4
R343	A	51	68	10D	3	R518	A	52	93	5D	5	V500	B	67	110	2E	5
R344	A	100	39	8A	3	R519	A	41	93	6D	5	V501	A	36	114	3E	5
R345	A	67	65	10E	3	R520	A	55	97	5C	5	V502	A	40	107	3D	5
R346	A	81	97	9D	3	R521	A	44	93	6C	5	V503	A	45	107	3D	5
R347	A	73	51	11D	3	R522	A	57	81	4C	5	V504	B	25	119	4E	5
R348	A	101	44	7A	3	R523	A	41	83	5B	5	V505	A	46	96	5D	5
R400	B	116	74	2F	4	R524	A	22	93	7E	5	V506	A	37	96	6D	5
R401	A	113	69	2E	4	R525	A	15	88	9D	5	V507	A	52	98	5C	5
R402	B	116	69	2E	4	R526	A	25	83	9D	5	V508	A	43	98	6C	5
R403	B	116	64	2D	4	R527	A	25	77	9E	5	V509	A	41	85	5B	5
R404	B	116	58	2D	4	R528	A	22	79	9C	5	V510	B	25	105	6E	5



ROHDE & SCHWARZ	-I	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	02	26.05.93	EE LOW_DIST.GENERATOR LOW_DIST.GENERATOR	1031.2699.01 XY	2+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
V511	A	29	100	6D	5	X1C	B	52	11	3F	6	X4	B	55	50	3C	6
V512	B	25	95	7E	5	X1D	B	52	11			X4	B	55	50	3D	6
V513	A	8	99	8D	5	X1A	B	52	11	1F	1	X4	B	55	50	3D	1
V514	A	19	101	8D	5	X1C	B	52	11	3F	1	X50	B	69	107	2E	5
V515	A	14	100	8D	5	X1D	B	52	11			X51	B	64	76	2C	5
V516	B	22	73	9D	5	X2	B	11	57	5E	2	X52	B	25	68	11D	5
V537	A	38	79	7B	5	X3	B	85	7	1D	6						
X1A	B	52	11	1F	6	X3	B	85	7	1D	1						

ROHDE & SCHWARZ	-I	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	02	26.05.93	EE LOW_DIST.GENERATOR LOW_DIST.GENERATOR	1031.2699.01 XY	3-

Für diese Unterlage behalten wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = GRUNDAUSFUEHRUNG MOD 02 = BASIC MODEL ZUEH.STROML./CIRC.DIAGR. CIRC.DIAGR. 1031.2699.01 S				
C200 . . 205	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C206 . . 212	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C215	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C216	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C300	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C301	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C302	CK 330NF+-1%160V RD8X19 CAPACITOR	0008.1893.00	ROE	MKP 1839-433/161	
C303	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C304	CK 2,2NF +-1% 100V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7617.00	ROEDERSTEI	KP1830-222 01 1 3 W	
C305	CC 560PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.3186.00	VITRAMON	VJ1206 A 561 F AT	
C306	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C307	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C308	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C309 . . 312	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C313	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C314	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C315	CE 47UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7479.00	PANASONIC	ECA1 HFG 470 I	
C316	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C317	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C319	CC 3,3PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8194.00	VITRAMON	VJ 1206 A 3R3 C AT	
C320	CC 330PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8873.00	VITRAMON	VJ1206 A 331 F AT	
C321	CC 330PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8873.00	VITRAMON	VJ1206 A 331 F AT	
C322	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C325	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C400	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C401	CC 3,9PF+-0,25 50VNP01206 CERAMIC CHIP CAPACITOR	CC 0007.8207.00	VITRAMON	VJ1206 A 3R9 C AT	
C402	CK 330NF+-1%160V RD8X19 CAPACITOR	0008.1893.00	ROE	MKP 1839-433/161	
C403	CK 33NF +-1% 63V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7681.00	ROEDERSTEI	KP1830-333 06 1 3 W	
C404	CK 2,2NF +-1% 100V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7617.00	ROEDERSTEI	KP1830-222 01 1 3 W	
C405	CC 560PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.3186.00	VITRAMON	VJ1206 A 561 F AT	
C406 . . 410	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C414	CE 220UF+-20%35V RM5 ELECTROLYTIC CAPACITOR	CE 0008.7904.00	PANASONIC	ECA-1VFG221BQ	
C415	CC 330PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8873.00	VITRAMON	VJ1206 A 331 F AT	
C500	CT 13PF TAUCHTR.RD7X12 AIR-TYPE TRIMMER	CT 0092.4266.00	TEKELEC	AT 5401	
C501	CC 15PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8750.00	VITRAMON	VJ1206 A 150 F FA	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C502	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8780.00	VITRAMON	VJ1206 A330F AT	
C503	CC 4,7PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	VITRAMON	VJ1206 A 4R7 C AT	
C504	CK 1,0NF +-1% 100V RM5 KP POLYPROPYLENE CAPACITOR	CK 0007.7598.00	ROEDERSTEI	KP1830-210 01 1 3 W	
C505	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8780.00	VITRAMON	VJ1206 A330F AT	
C506	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C507	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C508	CE 10UF+-20%50V RM2,5 ELECTROLYTIC CAPACITOR	CE 0008.7427.00	PHILIPS CO	2222 116 11109	
C509	CC 3,3NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8909.00	VITRAMON	VJ1206 Y 332 KXAT	
C510	CC 15PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8750.00	VITRAMON	VJ1206 A 150 F FA	
C511	CK 100NF+-5%63VRD2,5H7MKT CAPACITOR	CK 0099.2930.00	WIMA	MKS2	
C512	CK 150NF+-5%63VRD3,5H9MKT CAPACITOR	CK 0099.2946.00	WIMA	MKS2	
C515	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C516	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C517	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C518	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C519	CE 100UF+-20%25V RM2.5 ELECTROLYTIC CAPACITOR	CE 0008.7891.00	PANASONIC	ECA-1EFG101I	
C520	CC 27PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8409.00	VITRAMON	VJ1206A 270F FA	
C521	CC 8,2PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8242.00	VITRAMON	VJ1206 A 8R2 C AT	
C522	CC 1PF+-0,25 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8667.00	VITRAMON	VJ1206A 1R0 CXAT	
C523	CE 2,2UF+-20%50V RD4X5 ELEKTROLYTIC CAPACITOR	0803.0944.00	NATIONAL	ECE-A1HKS-2R2	
D20	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	BL 0007.6291.00	PHILIPS SE	74HCT86D	
D21	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D22	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D23	BL PC74HCT165T 8B SHREG SHIFT REGISTER	BL 0007.5408.00	PHILIPS SE	74HCT165D	
D30	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D31	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D32	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D40	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D41	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D50	BL PC74HC132T 4XSCHMITT T QUAD 2-INP NAND SCHMITT	BL 0520.7811.00	PHILIPS SE	74HC132D	
D51	BO MC1595L MULTIPLIER MULTIPLIER	BO 0451.4365.00	MOTOROLA	MC1595L	
K2	SN GEPOLT 2XUM 5V MONOST. RELAY 5V	1030.9360.00	MATSUSHITA	TN2-5V	
N20	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE	
N30	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE	
N31	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D	
N32	BO HA7-5221-5 1XLNOPAMP IC OPAMP	1030.9390.00	HARRIS	HA7-5221-5	
N33	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
N34	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE	
N35	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE	
N40	BO SE5534AFE LN OPAMP OPERATIONAL AMPLIFIER	BO 0301.3335.00	SIGNETICS	SE5534AFE	
N41	BO LM339D 4X COMPAR COMPARATOR	BO 0007.3757.00	PHILIPS-CO	LM339D	
N42	BO HA7-5221-5 1XLNOPAMP IC OPAMP	1030.9390.00	HARRIS	HA7-5221-5	
N50	BO LM2903D 2XLP COMPAR DUAL	0520.7734.00	SIGNETICS	LM2903D	
N51	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N52	BO LM211D COMPAR COMPARATOR	0007.7869.00	SIGNETICS	LM211D	
N53 ..56	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
P20	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P21	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P30 ..34	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P40	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P53 ..58	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
R200	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R201	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R202	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R203	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R204	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R205	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R206 ..212	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R215	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
R300	RL 0,35W5,05KOHM+-0,1%T25 RESISTOR	RL 0084.2497.00	DRALORIC	SMAO207	
R301	RG 511 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6085.00	DALE	CRCW1206-10 511K F-T	
R302	RL 0,35W10,0KOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMAO207/10K-B-E	
R303	RL 0,35W20,0KOHM+-0,1%T25 RESISTOR	RL 0084.3641.00	DRALORIC	SMAO207/20,0K-B-E	
R304	RL 0,35W38,8KOHM+-0,1%T25 RESISTOR	RL 0084.4190.00	DRALORIC	SMAO207	
R305	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	DALE	CRCW1206-10 1K21 F-T	
R306	RL 0,35W41,7KOHM+-0,1%T25 RESISTOR	RL 0084.4254.00	DRALORIC	SMAO207	
R307	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T	
R308	RL 0,35W41,7KOHM+-0,1%T25 RESISTOR	RL 0084.4254.00	DRALORIC	SMAO207	
R309	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T	
R310	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R311	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R312 ..319	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R320	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R321 ..326	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R327	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R328	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R329	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R330	RG 15,OKOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R331	RG 15,OKOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R332	RG 15,OKOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
R333	RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	DALE	CRCW1206-10 7K50 F-T	
R334	RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	DALE	CRCW1206-10 7K50 F-T	
R335	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R336	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R337	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R338	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R339	RL 0,35W4,75KOHM+-0,1%T25 RESISTOR	RL 0084.2445.00	DRALORIC	SMA/207/4,75K-B-E	
R340	RL 0,35W4,75KOHM+-0,1%T25 RESISTOR	RL 0084.2445.00	DRALORIC	SMA/207/4,75K-B-E	
R341	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R342	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R343	RG 121,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1960.00	DALE	CRCW1206-10 121K F-T	
R344	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R345	RG 47,5KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5950.00	DALE	CRCW1206-10 47K5 F-T	
R346	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R347	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R348	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R400	RL 0,35W5,05KOHM+-0,1%T25 RESISTOR	RL 0084.2497.00	DRALORIC	SMA0207	
R401	RG 511 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6085.00	DALE	CRCW1206-10 511K F-T	
R402	RL 0,35W10,OKOHM+-0,1%T25 RESISTOR	RL 0084.3064.00	DRALORIC	SMA0207/10K-B-E	
R403	RL 0,35W20,OKOHM+-0,1%T25 RESISTOR	RL 0084.3641.00	DRALORIC	SMA0207/20,OK-B-E	
R404	RL 0,35W38,8KOHM+-0,1%T25 RESISTOR	RL 0084.4190.00	DRALORIC	SMA0207	
R405	RG 1,21KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9968.00	DALE	CRCW1206-10 1K21 F-T	
R406	RL 0,35W41,7KOHM+-0,1%T25 RESISTOR	RL 0084.4254.00	DRALORIC	SMA0207	
R407	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T	
R408	RL 0,35W41,7KOHM+-0,1%T25 RESISTOR	RL 0084.4254.00	DRALORIC	SMA0207	
R409	RG 1,0MOHM+-1%TK100 1206 CHIP RESISTOR	RG 0815.7532.00	DALE	CRCW1206-10 1M F-T	
R410	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R411	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R412	RG 15,OKOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T	
. . 419					
R420	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R421	RG 100,OKOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
. . 426					
R427	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R428	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R429	RG 10,OKOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	

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R430	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T		
R500	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T		
R501	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T		
R502	RL 0,35W7,68KOHM+-0,1%T25 RESISTOR	RL 0084.2845.00				
R503	RG 4,75KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5820.00	DALE	CRCW1206-10 4K75 F-T		
R504	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T		
R505	RL 0,35W4,75KOHM+-0,1%T25 RESISTOR	RL 0084.2445.00	DRALORIC	SMA/207/4,75K-B-E		
R506	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T		
R507	RG 15,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5843.00	DALE	CRCW1206-10 15K F-T		
R508	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T		
R509	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	DALE	CRCW1206-10 1K5 F-T		
R510	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T		
R511	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R512	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T		
R513	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
..516 R517	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T		
R518	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T		
..521 R522	RG 22,1 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5489.00	DALE	CRW1206-10 22R1 F-T		
R523	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T		
R524	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5737.00	DALE	CRCW1206-10 2K F-T		
R525	RG 2,43KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5750.00	DALE	CRCW1206-10 2K43 F-T		
R526	RG 1,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9997.00	DALE	CRCW1206-10 1K62 F-T		
R527	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T		
R528	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	DALE	CRCW1206-10 5K62 F-T		
R529	RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	DALE	CRCW1206-10 7K50 F-T		
R530	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T		
R531	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T		
R532	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	DALE	CRCW1206-10 3K92 F-T		
R533	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	DALE	CRCW1206-10 3K92 F-T		
R534	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R535	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R536	RG 47,5KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5950.00	DALE	CRCW1206-10 47K5 F-T		
R537	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T		
R538	RG 33,2KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5914.00	DALE	CRCW1206-10 33K2 F-T		
R539	RG 2,74KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5766.00	DALE	CRCW1206-10 2K74 F-T		
R540	RG 2,74KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5766.00	DALE	CRCW1206-10 2K74 F-T		
R541	RG 4,75KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5820.00	DALE	CRCW1206-10 4K75 F-T		
R542	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T		
R543	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T		
MENP1	296 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
	<b>ROHDE &amp; SCHWARZ</b>	09	11.03.97	ED LOW DIST.GENERATOR LOW DIST.GENERATOR	<b>1031.2699.01 SA</b>	5+

095.0026-0693

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
V20	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V21	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V300 ..303	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V304	AM J105 N-D 25V JFET JFET SWITCH	1030.9377.00	SILICONIX	J105	
V305	AM SST108 N-D 25V JFET JFET TRANSISTOR	6007.3949.00	SILICONIX	SST108	
V306	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V307	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V308	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V309	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V310	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V311	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V312	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V313	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V314	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V315	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V316	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V400 ..403	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V404	AM J105 N-D 25V JFET JFET SWITCH	1030.9377.00	SILICONIX	J105	
V405	AM SST108 N-D 25V JFET JFET TRANSISTOR	6007.3949.00	SILICONIX	SST108	
V406	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V407	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V408	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V409	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V410	AM 2N5432 N-D 25V JFET FET	AM 0296.8700.00	SILICONIX	2N5432	
V500	AE 1N827 6,2V REF DI REFERENCE DIODE	AE 0418.0029.00	COMPENSATE	1N827	
V501	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V502	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V503	AM BSR56 N-D 40V JFET FET	AM 0007.3111.00	PHILIPS-CO	BSR56	
V504	AM 2N4856A N-D 40V JFET FET	0262.4082.00	MOTOROLA		
V505	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V506	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	
V507	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V508	AK BC860B P 45V 200MA TRANSISTOR	AK 0007.7975.00	MOTOROLA	BC860B LT1	
V509	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V510	AM 2N4092 N-D 40V JFET FET	AM 0010.8791.00	INTERSIL	2N4092	
V511	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V512	AM 2N4856A N-D 40V JFET FET	0262.4082.00	MOTOROLA		
V513	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V514	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	

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MENP 1	296 3PUA	ÄI	Datum Date	Schalttailliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
		09	11.03.97	ED LOW DIST.GENERATOR LOW DIST.GENERATOR	<b>1031.2699.01 SA</b>	6+

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
V515	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99		
V516	AE BZX55/B7V5 0,5W ZDI ZENER DIODE	AE 0349.3041.00	PHILIPS-CO	BZX79/B7V5		
V537	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32		
X1	FP STECKERLEISTE 32P.KURZ CONNECTOR 32P.	FP 0008.5724.00	PANDUIT	100-332-033B		
X2	FP STIFTLAISTE 36P.R2,54 PIN CONNECTOR 3-POLIG/3 PINS	FP 0242.3600.00	BINDER	742-11-0179-00-36		
X3	FP STIFTLAISTE 36P.R2,54 PIN CONNECTOR 6-POLIG/6 PINS	FP 0242.3600.00	BINDER	742-11-0179-00-36		
X4	FP STIFTLAISTE 36P.R2,54 PIN CONNECTOR 6-POLIG/6 PINS	FP 0242.3600.00	BINDER	742-11-0179-00-36		
X50	FP STIFTLAISTE 36P.R2,54 PIN CONNECTOR 3-POLIG/3 PINS	FP 0242.3600.00	BINDER	742-11-0179-00-36		
X51	FP STIFTLAISTE 36P.R2,54 PIN CONNECTOR 3-POLIG/3 PINS	FP 0242.3600.00	BINDER	742-11-0179-00-36		
X52	FP STIFTLAISTE 36P.R2,54 PIN CONNECTOR 3-POLIG/3 PINS	FP 0242.3600.00	BINDER	742-11-0179-00-36		
MENP 1	296 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
		09	11.03.97	ED LOW DIST.GENERATOR LOW DIST.GENERATOR	<b>1031.2699.01 SA</b>	7-

**Schnittstellenbeschreibung**  
Interface Description

zu:                   LOW DIST GENERATOR  
for:

Sach-Nr.: 1031.2699.02  
Part No.:

erstellt von: W.Nestler, 1GP2  
issued by:

Datum: 18.06.93  
Date:

Abt 1GP2	Name Ne	Dat 18.06.93	Ä.Mi. 48170	Äi 02
ROHDE & SCHWARZ		Benennung LOW DIST GENERATOR		Bl. 1 von 2
Typ. UPD	Reg.in Verz. 1031.2601 V		Sachnummer 1031.2699 SB	

Richtung

E... Eingang  
A... Ausgang  
B... Bidirektional  
M... Meß

Art

A... analog  
H... digital HIGH  
L... digital LOW  
P... Power

P/T

P... Prüfwert  
T... Trimmwert  
D... Typprüfwert  
E... Einstellwert

Name	S i g n a l Beschreibung	R A	Wertebereich	P T	Bild Nr.	Anschluß Punkt	Bemerkung
LOW DIST	*****					X1	
Signale							
LOW DIST		A A	2.85V ... 0.25V 10Hz...110kHz Sinus	P		A 16	
LDFREQ		A L	10Hz...110kHz L: 3...8mA H: 0...0.5mA (Spannung ca. 3.6V)	P		A 1	
DATA LINK (Timing siehe P&T-Plan)							
CLK.	Clock	E H	TTL	D		A 6	
SDI	Data in	E H	TTL	D		C 6	
SDO	Data out	A H	HCMOS	D		A 4	
/WR.	Write	E L	TTL	D		C 5	
/RD.	Read	E L	TTL	D		A 5	
ENABLE		E H	TTL	D		C 4	
+5V(OPT) to Data Mux		A P	5±.15V	D		A 7	
Betriebsspannung							
-24V		E P	-24±1.2V	D		A, C 8	
-15V		E P	-15±.75V	D		A, C 9	
+15V		E P	15±.75V	D		A, C 10	
+6V		E P	6±.2V	D		A, C 11	
+5V		E P	5±.15V	D		A, C 12	
Masse		P				C 1, 7, 16 A, C 2, 3 13, 14, 15	
ÄI: 02	ÄM: 48170	Dat: 18.06.93		reg.i.Verz 1031.2601 V		B1.2	
R o h d e & S c h w a r z		Zeichn. Nr. 1031.2699 SB		Name Ne		Abt 1GP2	

Sortier Merkmal	Wertebereich eingeeengt	Gelt.- bereich	Bemerk2

Nur für internen Gebrauch



für diese Zeichnung behalten wir uns alle Recht vor. Änderungen vorbehalten.

## Einbau der Option UPL-B2 (Digital Audio I/O)

- UPL ausschalten, Netzkabel abziehen
- \* Gerätefüße an der Geräterückseite abschrauben
- Obere Beplankungshaube etwas nach hinten schieben und abnehmen
- Verfügt das Gerät über einen 486er Rechnerkern so muß dieser zuvor wie folgt demontiert werden:
  - \*\*\*\*\* falls vorhanden: Ausbau des Mithörausgangs (Blechwinkel mit Leiterplatte und Lautsprecher) \*\*\*\*\*
  - \* lösen der zwei Kombischrauben M3x8 (Befestigung des Lautsprechers)
  - abstecken des Flachbandkabels W10 aus Stecker X3 des Digitalboards und aushängen des Mithörausgangs
  - \*\*\*\*\* Ausbau des 486er Rechnerkerns (UPL-Ident-Nr.: 1078.2008.05) \*\*\*\*\*
  - \* demontieren der vier Linsenschrauben M3x46 mit Beilagscheiben auf der CPU 486
  - ausstecken folgender Kabel: W71 (aus X11 auf der Digital-Board-Seite abziehen)  
W72 (zu Ext. Keyboard)  
W75 (Speaker Cable zu X15 auf Digital-Board)
  - Ausstecken des Rechnerkerns aus der Buchsenleiste des Digital-Boards
  - \*\*\*\*\* Einbau: AES-Main-Board (1078.4200.02) \*\*\*\*\*
  - Buchsenleisten X40 und X50 des AES-Main-Boards auf die Steckerleisten X4 und X5 des Digital-Boards (1078.2737.02) einstecken
  - \* Montieren des AES-Main-Boards durch befestigen der drei Linsenschrauben (M3x25 mit jeweils drei Beilagscheiben) mit den Abstandssäulen
  - \* Wurde anfangs der Rechnerkern ausgebaut, muß er nun wieder eingebaut werden (bei VAR 05)
  - \*\*\*\*\* Einbau: AES-Rear-Panel (1078.4217.02) \*\*\*\*\*
  - \* Demontieren der Abdeckplatte (Abdeckung der Rückwand 1078.2243.00; Abmaße=109,7x38,54; befestigt mit zwei Kombischrauben M3x8) auf der Rückseite des Geräts
  - \* AES-Rear-Panel entsprechend zu den nun sichtbaren Ausbrüchen in der Rückwand plazieren und mit zwei Kombischrauben (M3x8) montieren
  - Kabelbuchse auf den Stecker X200 des AES-Main-Boards stecken
  - \*\*\*\*\* Einbau: AES-Front-Panel (1078.4223.02) \*\*\*\*\*
  - Drehimpulsgeberknopf abziehen
  - \* Blende der Fronteinheit demontieren (durch lösen der vier Senkschrauben M3x8 an den Ecken und fünf Senkschrauben M1,6 x 3) und die Einlegeplatte zwischen den beiden Blendenschichten (Abdeckung links vom Display) nach oben herauschieben
  - \* AES-Front-Panel entsprechend zu den nun sichtbaren Ausbrüchen in der Frontplatte plazieren und mit fünf Senkschrauben (M3x6) befestigen
  - Kabelbuchse auf den Stecker X100 des AES-Main-Boards stecken
  - \* Remontieren der Blende und aufstecken des Drehimpulsgeberknopfes
  - \*\*\*\*\* Wiederaufbau des Gesamtgeräts \*\*\*\*\*
  - \* falls vorher ausgebaut: Entsprechender Wiedereinbau des Rechnerkerns und des Mithörausgangs
  - \* Obere Beplankungshaube und Gerätefüße wieder montieren (die Beplankungen müssen guten Kontakt zum Rahmen haben um die HF-Dichtigkeit zu gewährleisten)

**Zur Inbetriebnahme:**

Nach dem Einschalten des Geräts wird die eingebaute Option automatisch von der Software erkannt und kann im Analyzerpanel bedient werden.

**Benötigte Werkzeuge:**

- \* Kreuzschlitzschraubendreher Größe 1 oder 2

01			Ne	Tag	Name	<h1 style="margin: 0;">Einbauanweisung</h1> <h2 style="margin: 0;">Installation Instruction</h2>
			Bearb.	11.95	Ne	
			Gepr.			
			Norm			
				<b>ROHDE &amp; SCHWARZ</b>		Zeichn.-Nr.
			zu Gerät	UPL-B2		1078.4023
Änd. Zust.	Änderungs-Mitteilung	Tag	Name	reg. i. V.	1078.4000	erste Z. 1078.4017
						Blatt-Nr. 1 v. Bl. 2

## Installation of Option UPL-B2 (Digital Audio I/O)

- Switch off UPL, unplug power cable from AC supply
- \* Unscrew feet at rear of unit
- Push back slightly and remove top cover panelling
- If the unit has a 486-processor, it must be dismantled as follows.

\*\*\*\*\* If appropriate: removal of monitoring output (bracket with PCB and loudspeaker) \*\*\*\*\*

- \* Undo two screw assemblies M3x8 (serve to fasten the loudspeaker)
- Unplug flat cable W10 from connector X3 of the digital board and demount monitoring output

\*\*\*\*\* Removal of 486-processor (UPL Ident No.: 1078.2008.05) \*\*\*\*\*

- \* Release four oval-head screws M3x46 with washers at CPU 486
- Unplug following cables:
  - W71 (disconnect from X11 on digital-board side)
  - W72 (to external keyboard)
  - W75 (speaker cable to X15 on digital board)
- Unplug processor from socket strip of digital board

\*\*\*\*\* Installation: AES main board (1078.4200.02) \*\*\*\*\*

- Connect socket strips X40 and X50 of AES main board to plug strips X4 and X5 of digital board (1078.2737.02)
- \* Mount AES main board by fastening three oval-head screws (M3x25 with three washers each) with spacers
- \* If the processor has been removed, it must now be reinstalled (for VAR 05)

\*\*\*\*\* Installation: AES rear panel (1078.4217.02) \*\*\*\*\*

- \* Remove cover plate (rear cover 1078.2243.00; dimensions: 109.7 x 38.54; fastened to rear of unit with two screw assemblies M3x8)
- \* Fit AES rear panel into cutouts at rear panel of unit and fasten using two screw assemblies (M3x8)
- Connect cable connector to connector X200 of AES main board

\*\*\*\*\* Installation: AES front panel (1078.4223.02) \*\*\*\*\*

- Pull off rotary knob
- \* Demount front cover (by undoing four countersunk screws M3x8 at the corners and five countersunk screws M1.6x3) and remove intermediate plate between two layers of front panel (cover left of display) by pushing upwards
- \* Fit AES front panel into cutouts at front panel of unit and fasten using five countersunk screws (M3x6)
- Connect cable connector to connector X100 of AES main board
- \* Remount front panel and fit rotary knob

\*\*\*\*\* Reassembly of unit \*\*\*\*\*

- \* Reinstall processor and monitoring output, if removed before
- \* Remount top cover panelling and feet to unit (panelling must be in good contact with the frame to ensure RF shielding)

### Putting into operation:

On power-up of the unit, the installed option will be automatically recognized by the software and can be controlled from the analyzer panel.

### Tools required:


- \* Philips screwdriver size 1 or 2

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01			Ne		Tag	Name	<h1 style="margin: 0;">Einbauanweisung</h1> <h2 style="margin: 0;">Installation Instruction</h2>	
				Bearb.	11.95	Ne		
				Gepr.				
				Norm				
						Zeichn.-Nr.	1078.4023	Blatt-Nr.
				<b>ROHDE &amp; SCHWARZ</b>				2
Änd. Zust.	Anderungs-Mitteilung	Tag	Name	zu Gerät UPL-B2		reg. i. v. 1078.4000	erste Z. 1078.4017	v. Bl. 2



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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VAR 02 = GRUNDAUSFUEHRUNG MOD 02 = BASIC MODEL				
A20	EE AES-MAIN-BOARD ENTHALTEN IN/INCLUDED IN 1078.4100.02	1078.4200.02			
A21	ED AES REAR PANEL ENTHALTEN IN/INCLUDED IN 1078.4100.02	1078.4217.02			
A22	ED AES FRONT PANEL ENTHALTEN IN/INCLUDED IN 1078.4100.02	1078.4223.02			
A23	ED BNC ADAPTER ENTHALTEN IN/INCLUDED IN 1078.4100.02	1078.4230.02			
A24	ED BNC ADAPTER ENTHALTEN IN/INCLUDED IN 1078.4100.02	1078.4230.02			
1GPK	295 3PUA				
 <b>ROHDE &amp; SCHWARZ</b>	ÄI 01	Datum Date 10.03.97	Schaltteilliste für Parts list for GG UPL-B2 DIG.AUDIO I/O	Sachnummer Stock No. <b>1078.4000.01 SA</b>	Blatt-Nr. Page 1-

095.0026-0693

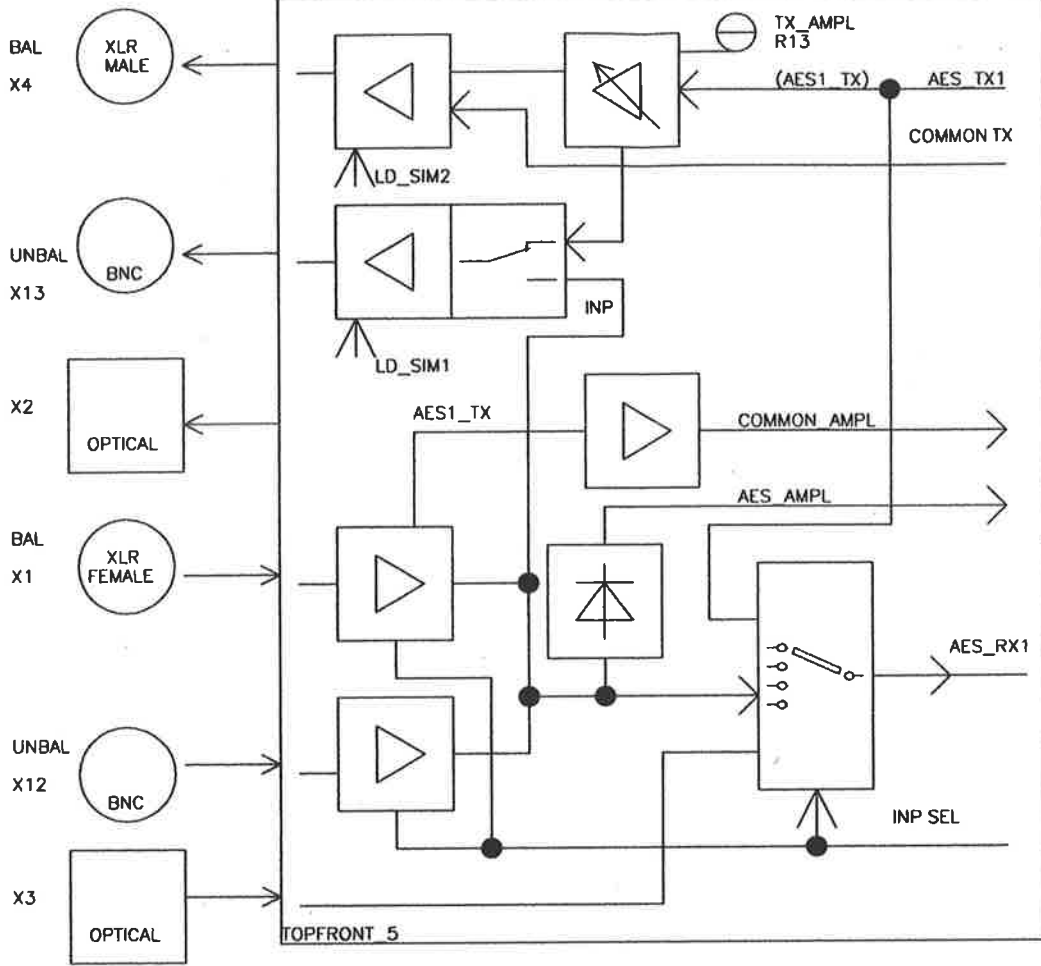
1 2 3 4

A22  
AES FRONT PANEL  
1078.4223

A20  
AES MAIN  
1078.42

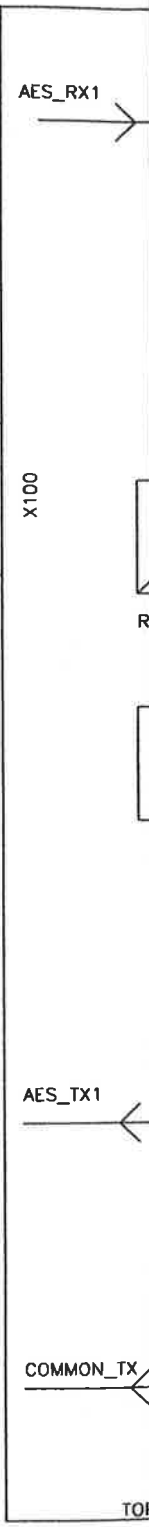
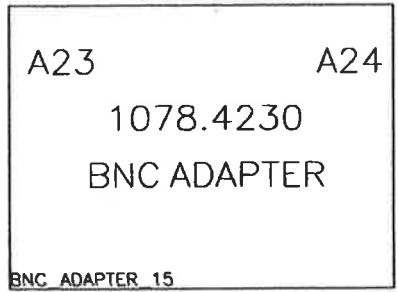
TOPFRONT\_344

TOP



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

BNC\_ADAPTER

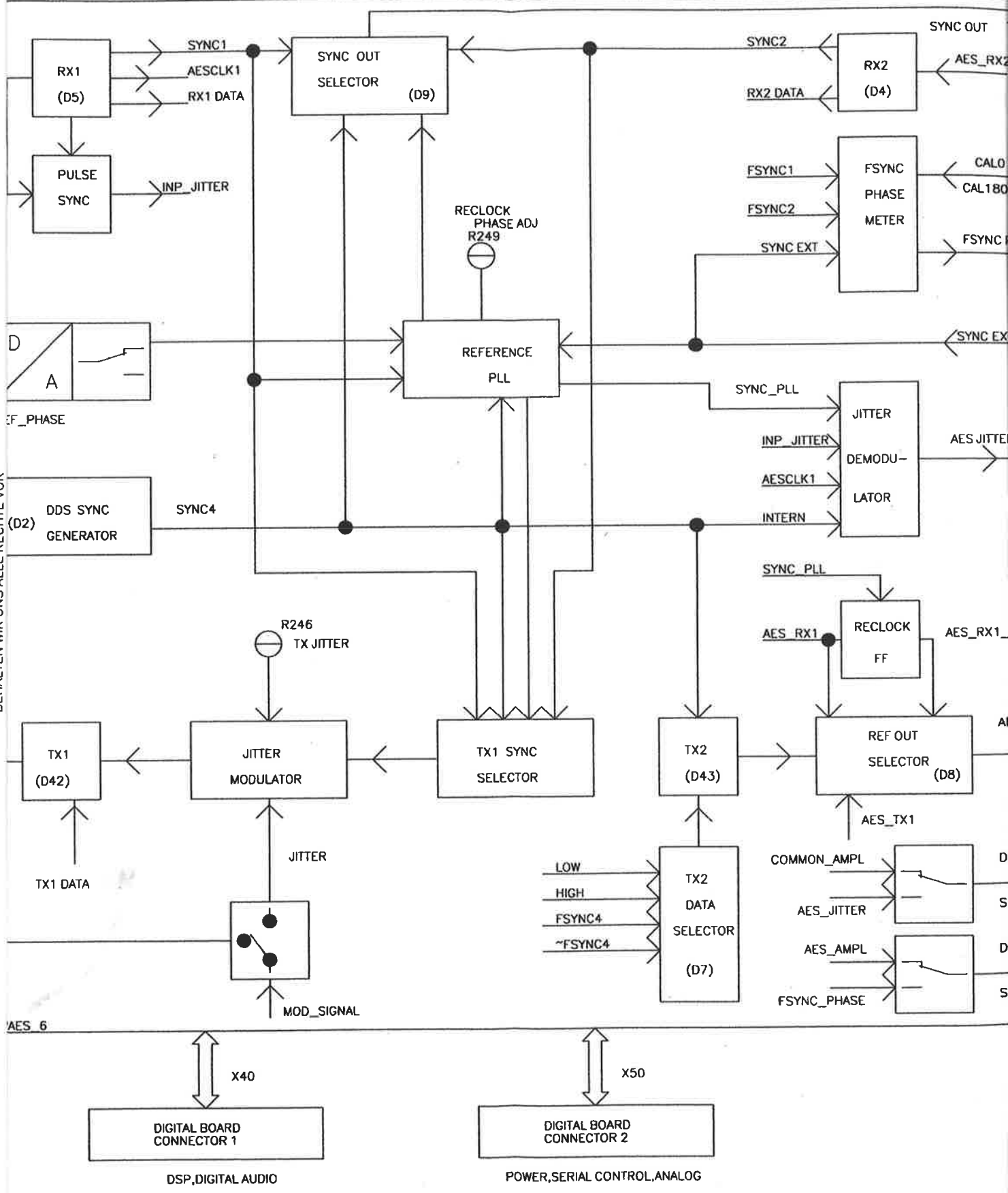


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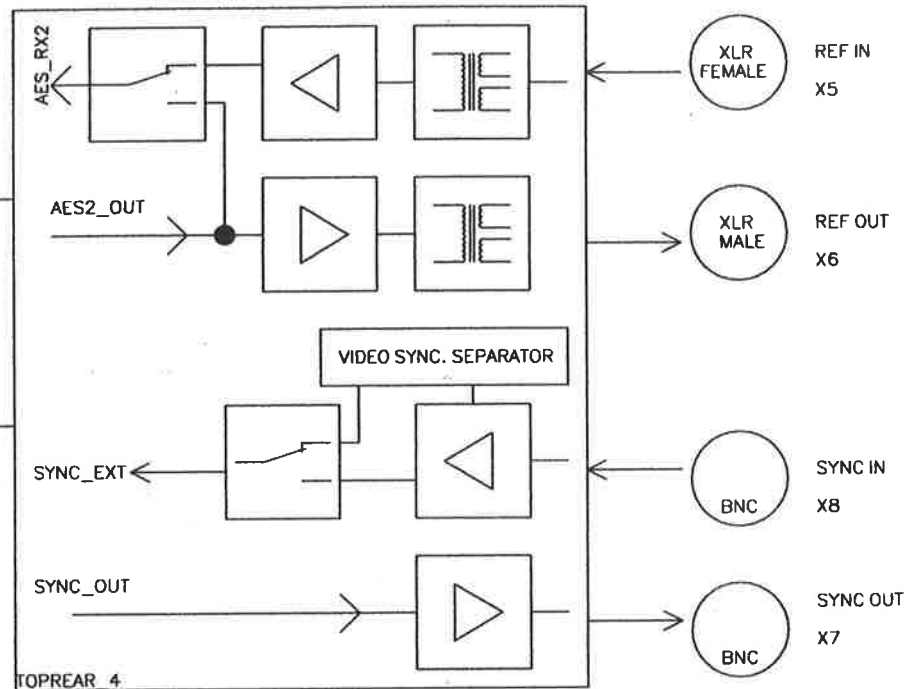
1 2 3 4

BOARD  
00  
DPAES\_331

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



A21  
AES REAR PANEL  
1078.4217  
TOPREAR\_381



- SHEET 1 :  
SHEET 2 : AES MAIN BOARD CONNECTORS  
SHEET 3 : AES MAIN BOARD SERIAL CONTROL INTERFACE  
SHEET 4 : FRONT PANEL INPUT CIRCUIT  
SHEET 5 : FRONT PANEL OUTPUT CIRCUIT  
SHEET 6 : REAR PANEL CIRCUIT  
SHEET 7 : AES MAIN BOARD DIGITAL AUDIO RECEIVER  
FSYNC\_PHASE AND JITTERDEMODULATOR  
SHEET 8 : AES MAIN BOARD REFERENCE PLL CIRCUIT  
SHEET 9 : AES MAIN BOARD DIGITAL AUDIO TRANSMITTER  
DDS SYNC-GENERATOR  
SHEET 10 : AES MAIN BOARD PHASE DAC AND JITTER-MODULATOR  
SHEET 11 : BNC-ADAPTER

FUER DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR  
 ECLK  
 2 OUT  
 MOD  
 NAL1  
 MOD  
 NAL2

3/01	51109(01)	24.04.96	SR	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		HO	AES-BOARD
				GEPR.			
				NORM			
				PLOTT	24.4.96	HO	
							TOP/TOP.1
							ZEICHN.-NR.
							1078.4100.01 S
							BLATT-NR.
							1 +
							AA BL.
3	50252	19.12.95	HO	ROHDE&SCHWARZ			
END. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET	UPL-B2	REG.I.V.	1078.4000
						ERSTE Z.	1078.4000

# DIGITAL BOARD CONNECTOR 1

A

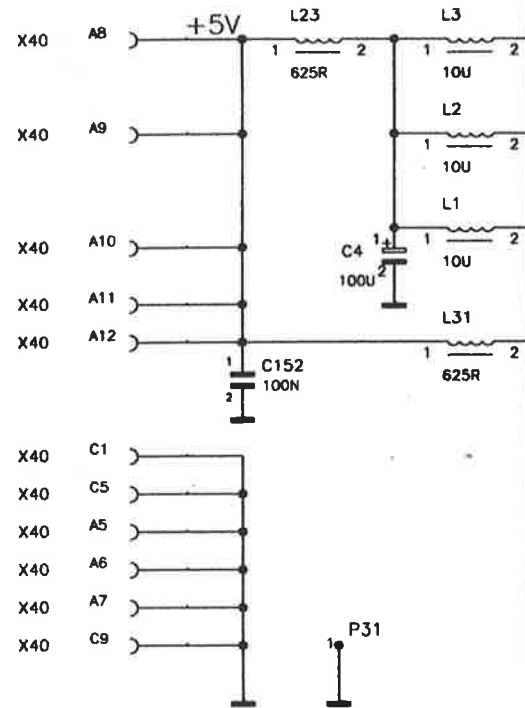
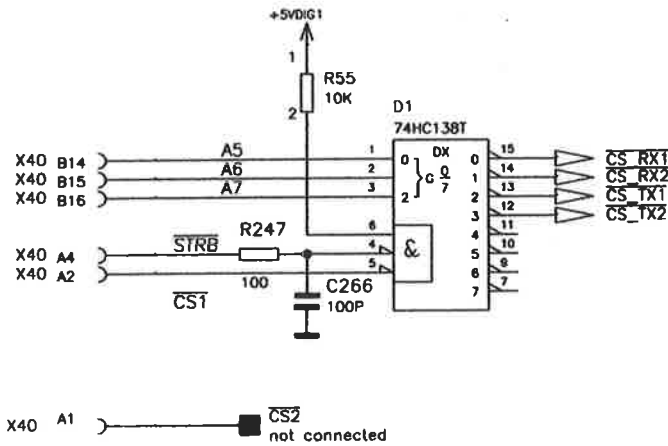
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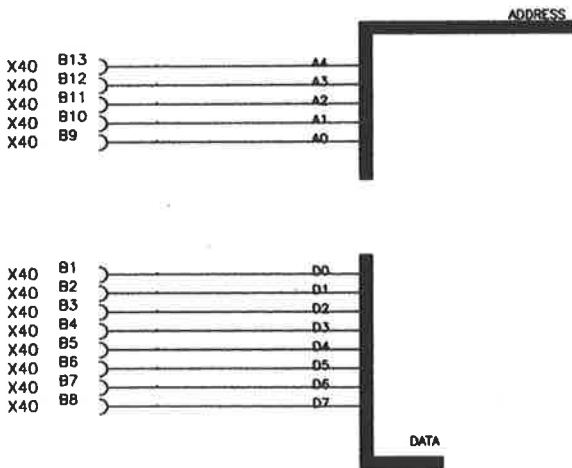
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E

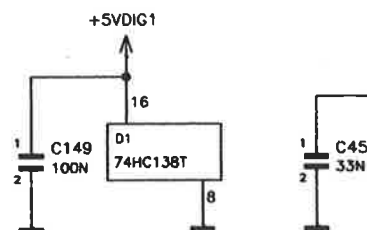
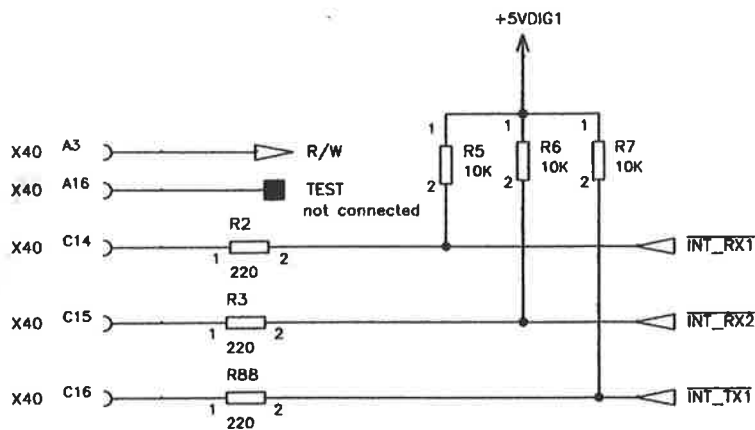
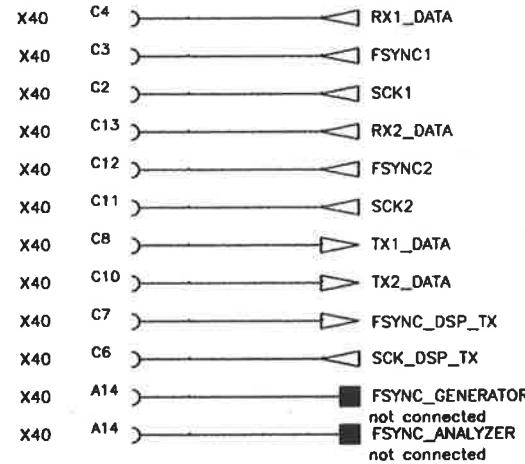
F



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

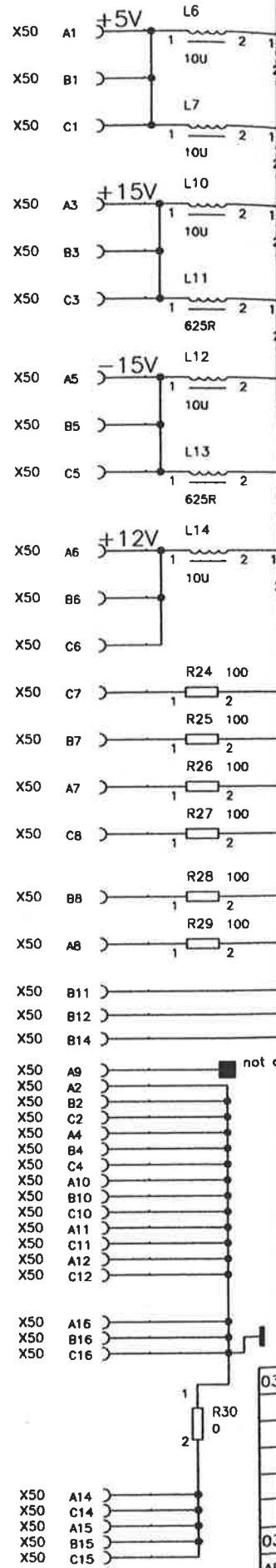
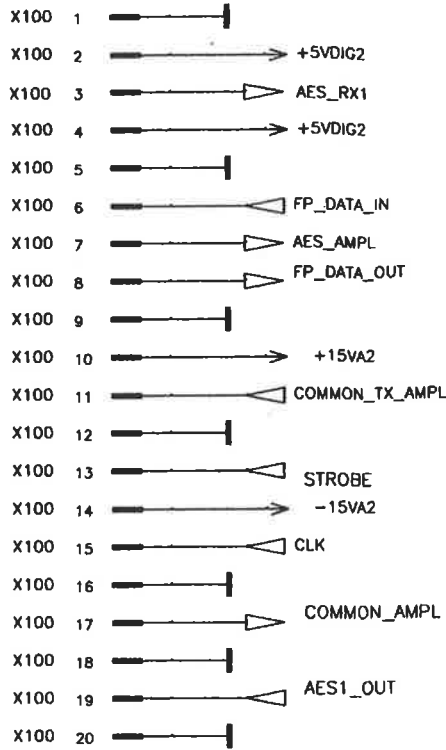
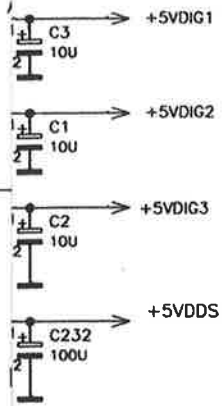


## DSP AUDIO

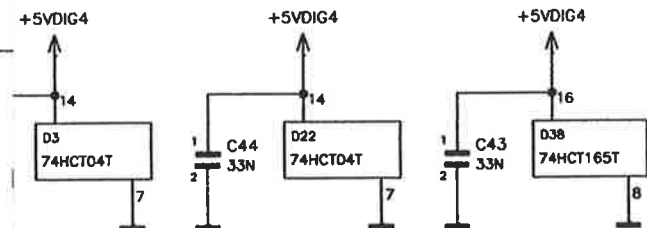
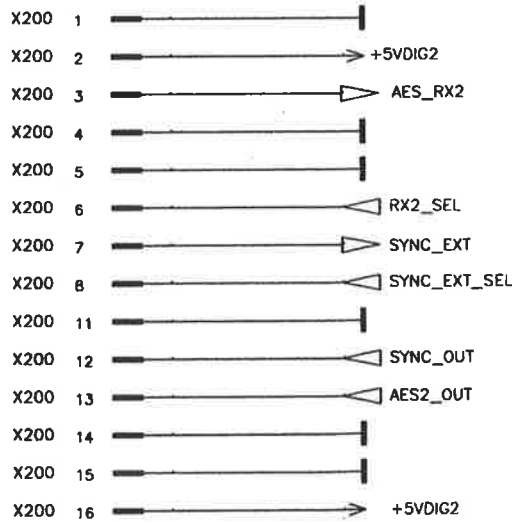


### FRONT PANEL CONNECTOR

### DIGITAL BOARD CONN



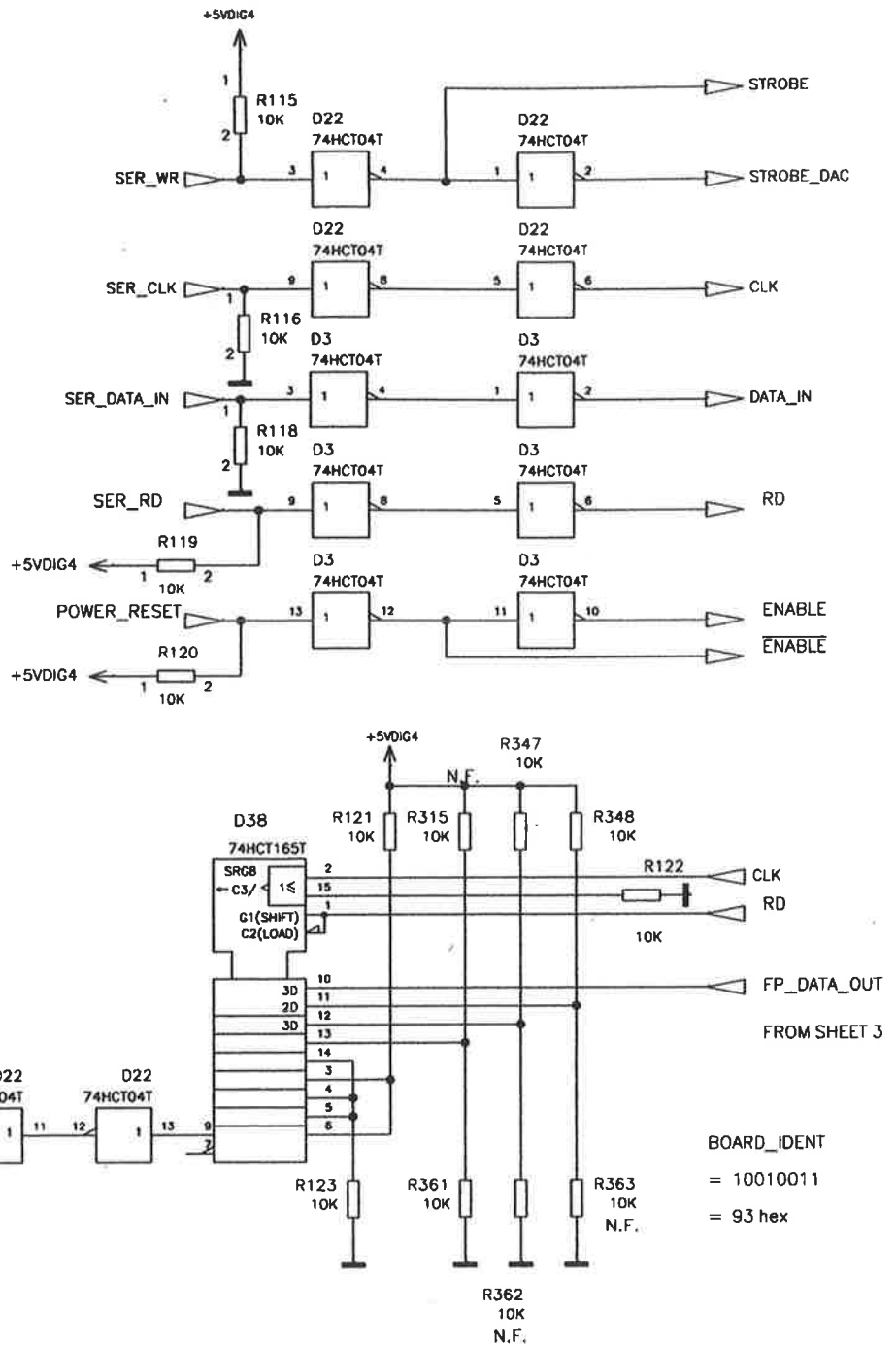
### REAR PANEL CONNECTOR



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

CTOR 2

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



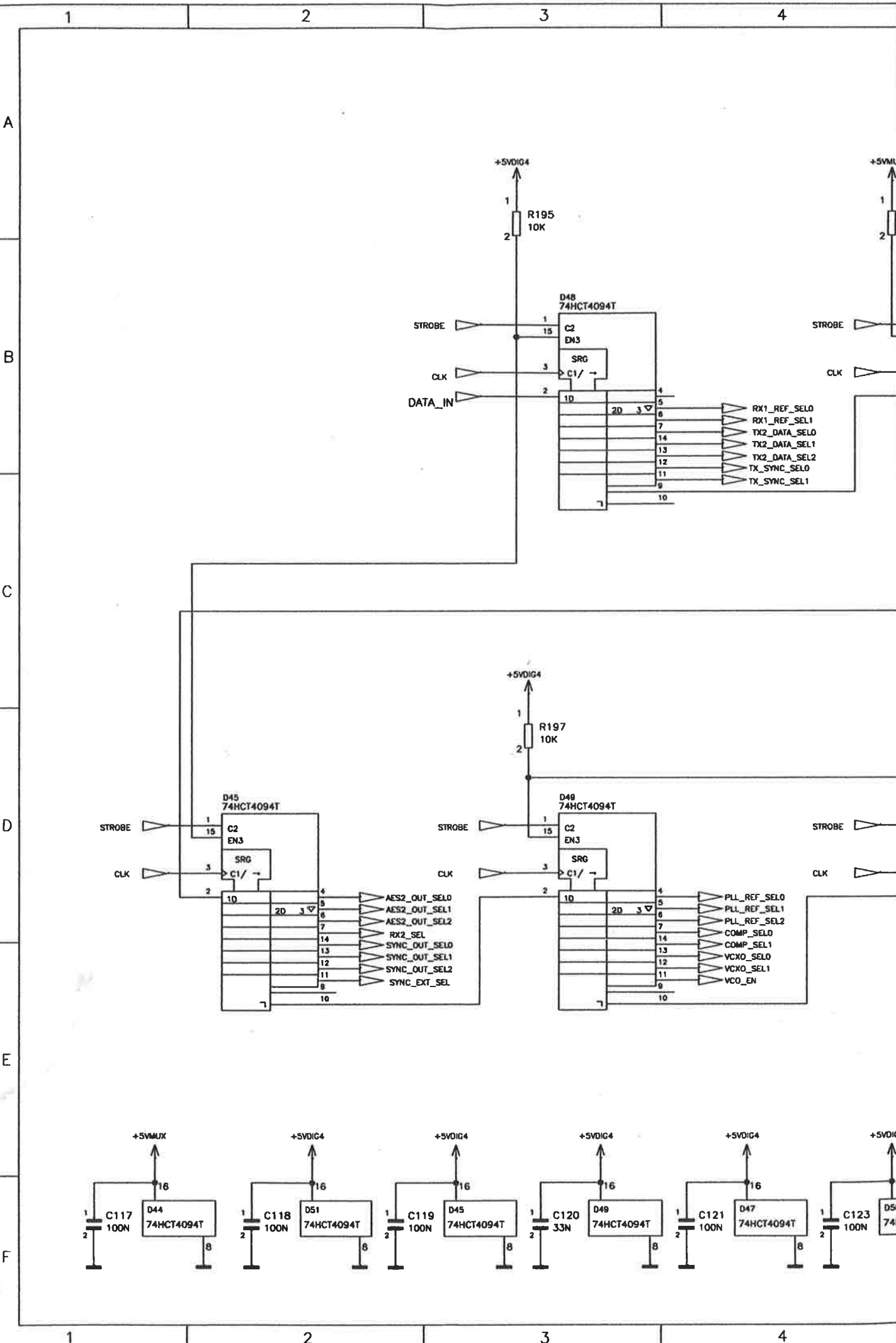
BOARD\_IDENT  
= 10010011  
= 93 hex

CONNECTORS

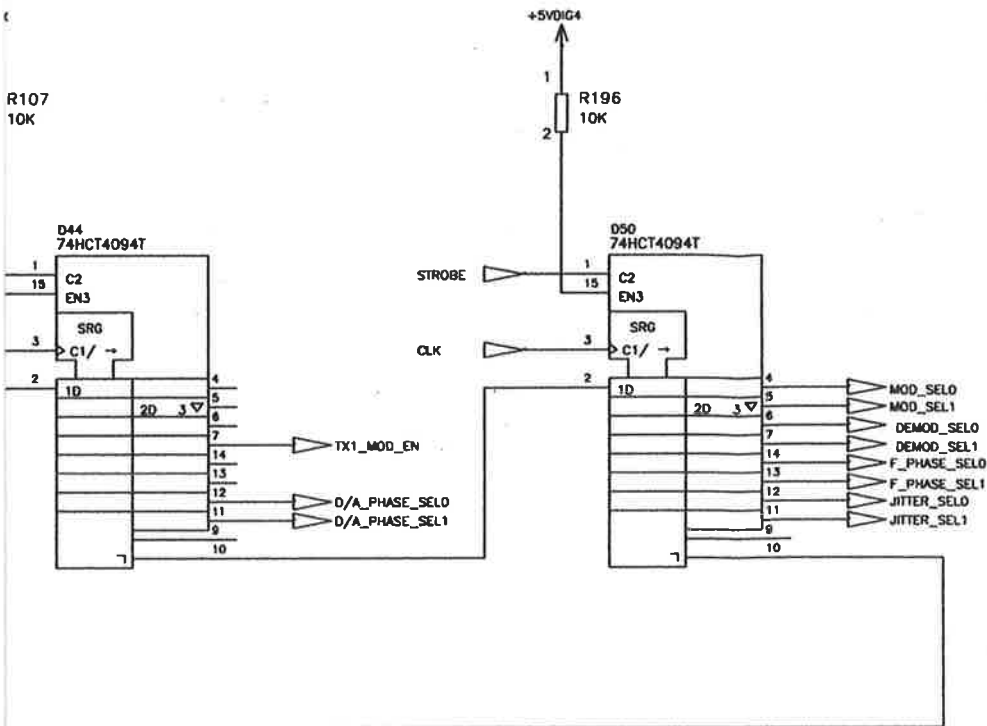
AES MAIN BOARD  
1078.4200

01	51109(01)	24.04.96	SR	1GPK	DATUM	NAME	BENENNUNG	
				BEARB.		HO	AES-BOARD	
				GEPR.				
				NORM				
				PLOTT	24.4.96	HO	TOP/TOPAES_6/TOPAES.1	
	50252	19.12.95	HO	ROHDE&SCHWARZ			ZEICHN.-NR.	BLATT-NR.
							1078.4100.01 S	2 +
				ZU GERAET UPL-B2			REG.I.V. 1078.4000	ERSTE Z. 1078.4000

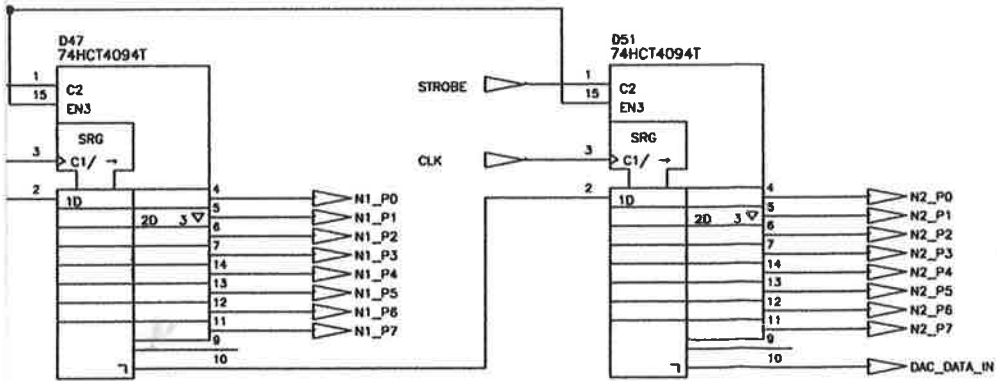
FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



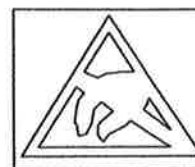
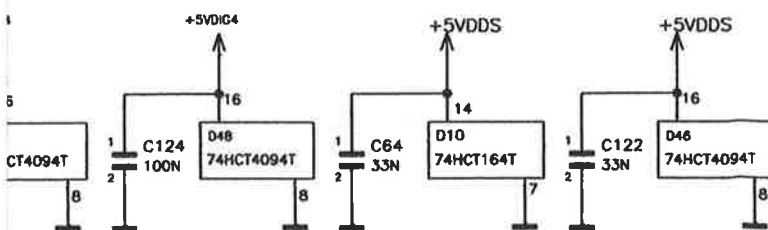




FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

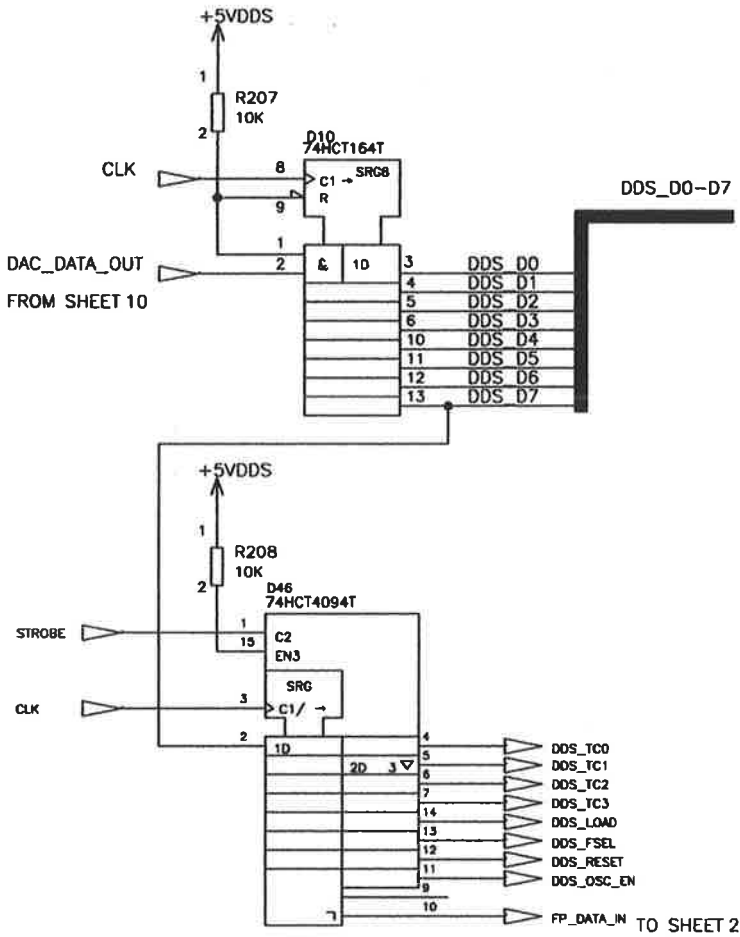


TO SHEET 10



**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



AES MAIN BOARD

1078.4200

SERIAL CONTROL INTERFACE

03	50252	19.12.95	HO	1GPK	DATUM	NAME	BENENNUNG	
				BEARB.		HO	AES-BOARD	
				GEPR.			-	
				NORM			TOP/TOPAES_6/TOPAES.5	
				PLOTT	2.2.96	HO	ZEICHN.-NR.	
02/01		27.09.95	BG	ROHDE&SCHWARZ			1078.4100.01 S	
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET	UPL-B2	REG.I.V.	1078.4000	ERSTE Z.
							1078.4000	BLATT-NR. 3 +
								BL.

# DIGITAL AUDIO FRONT INPUT

BAL

XLR

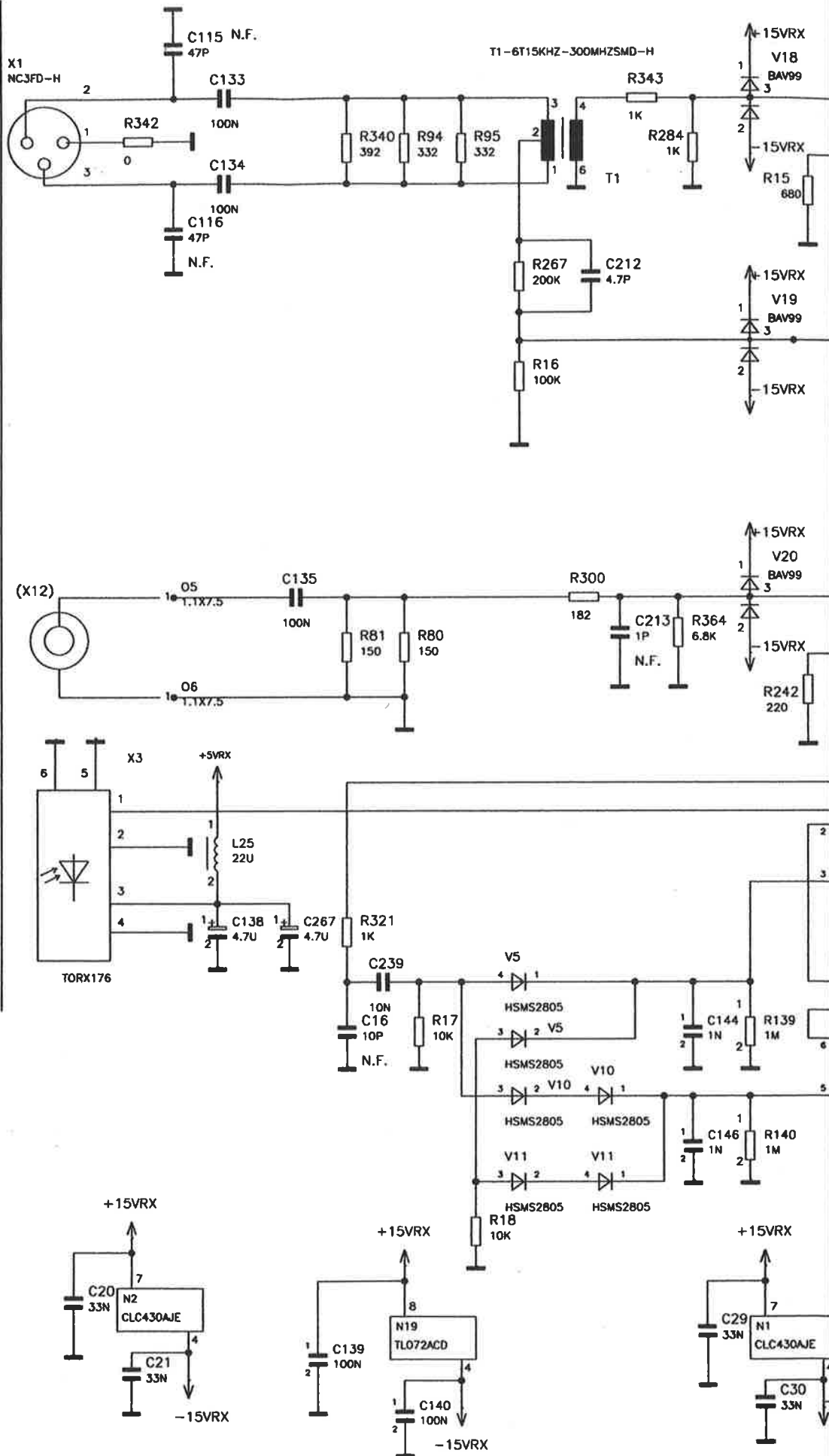
UNBAL

BNC

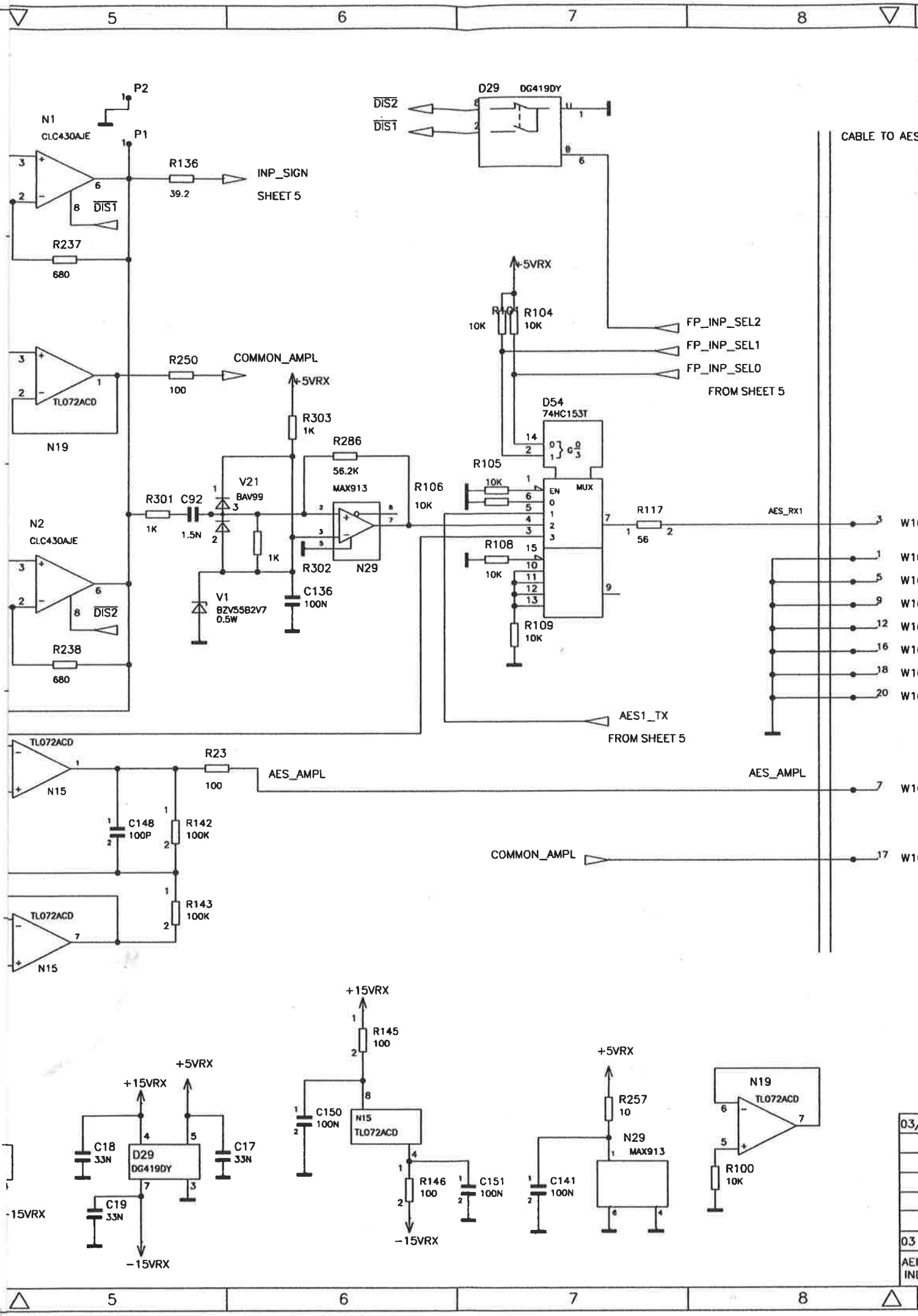
OPTICAL

TOSLINK

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



CABLE TO AES

W10  
W10  
W10  
W10  
W10  
W10  
W10  
W10  
W10

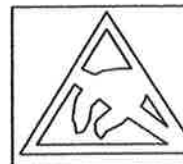
03/  
03  
AEN  
IND

MAIN BOARD

## DIGITAL AUDIO INPUT CONTROL

DIGITAL INPUT	FP_INP_		
	SEL2	SEL1	SEL0
OFF	0	0	0
INTERN TX1	0	0	1
BAL	1	1	0
UNBAL	0	1	0
OPTICAL	0	1	1

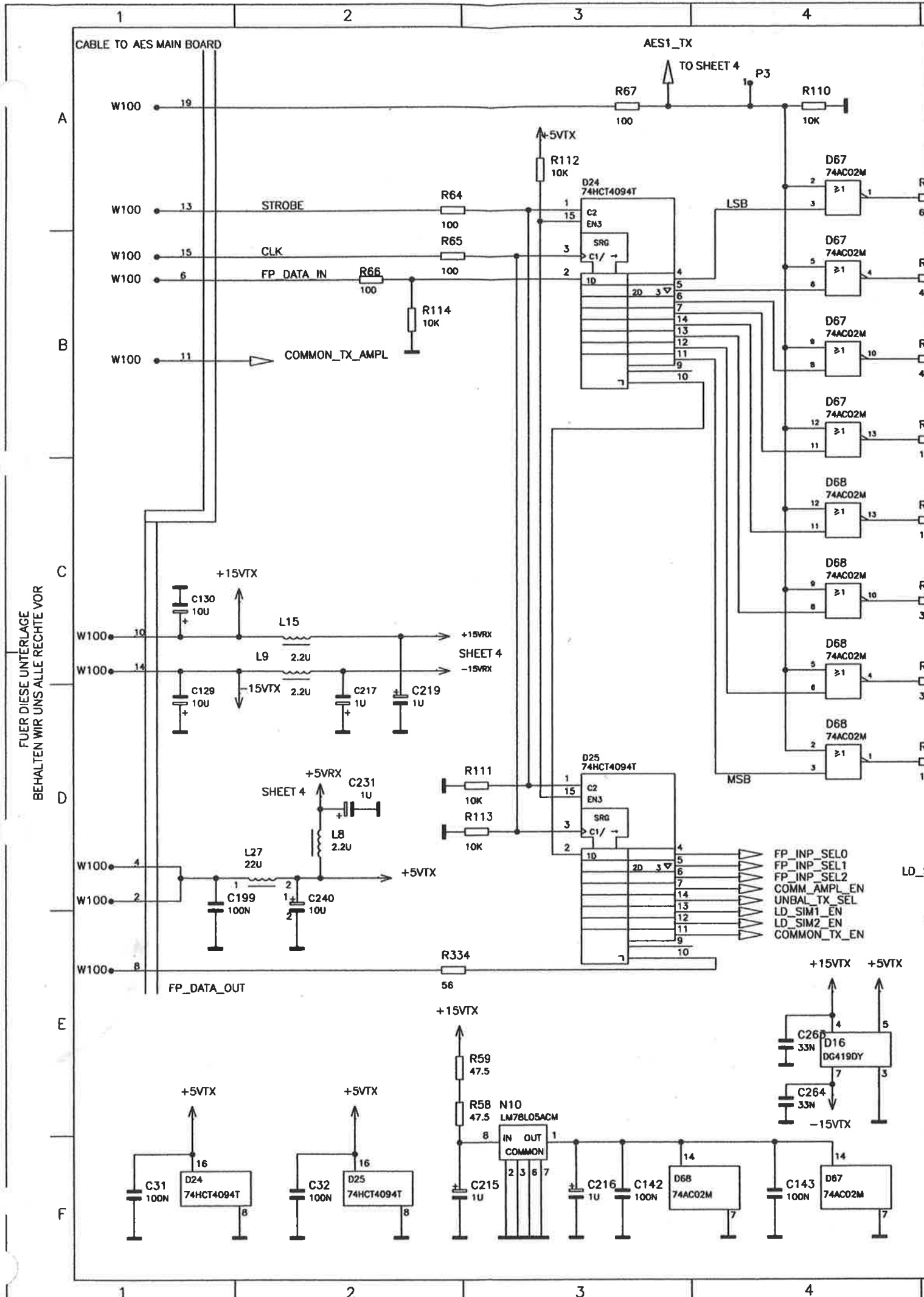
FUER DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR



**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

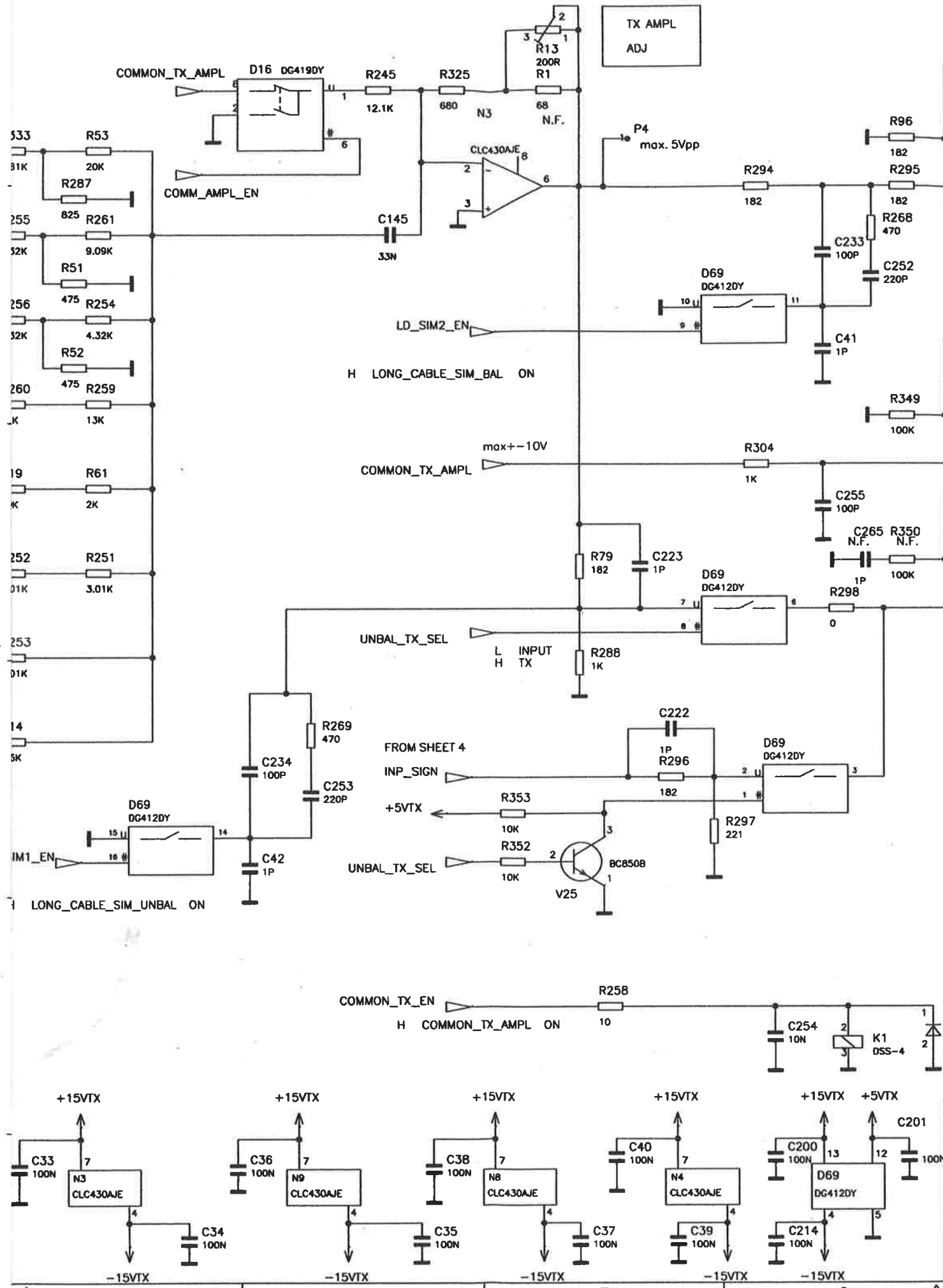
INPUT CIRCUIT  
 FRONT PANEL  
 1078.4223

01	51109(01)	24.04.96	SR	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		HO	AES-BOARD
				GEPR.			
				NORM			
				PLOTT	24.4.96	HO	
							TOP/TOPFRONT_5/TOPFRONT.1
							ZEICHN.-NR.
	50252	19.12.95	HO	ROHDE&SCHWARZ			1078.4100.01 S
							BLATT-NR. 4 +
D.	AENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL-B2	REG.I.V.	1078.4000
						ERSTE Z.	1078.4000



FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



+15VTX

+15VTX

+15VTX

+15VTX

+15VTX

+5VTX

-15VTX

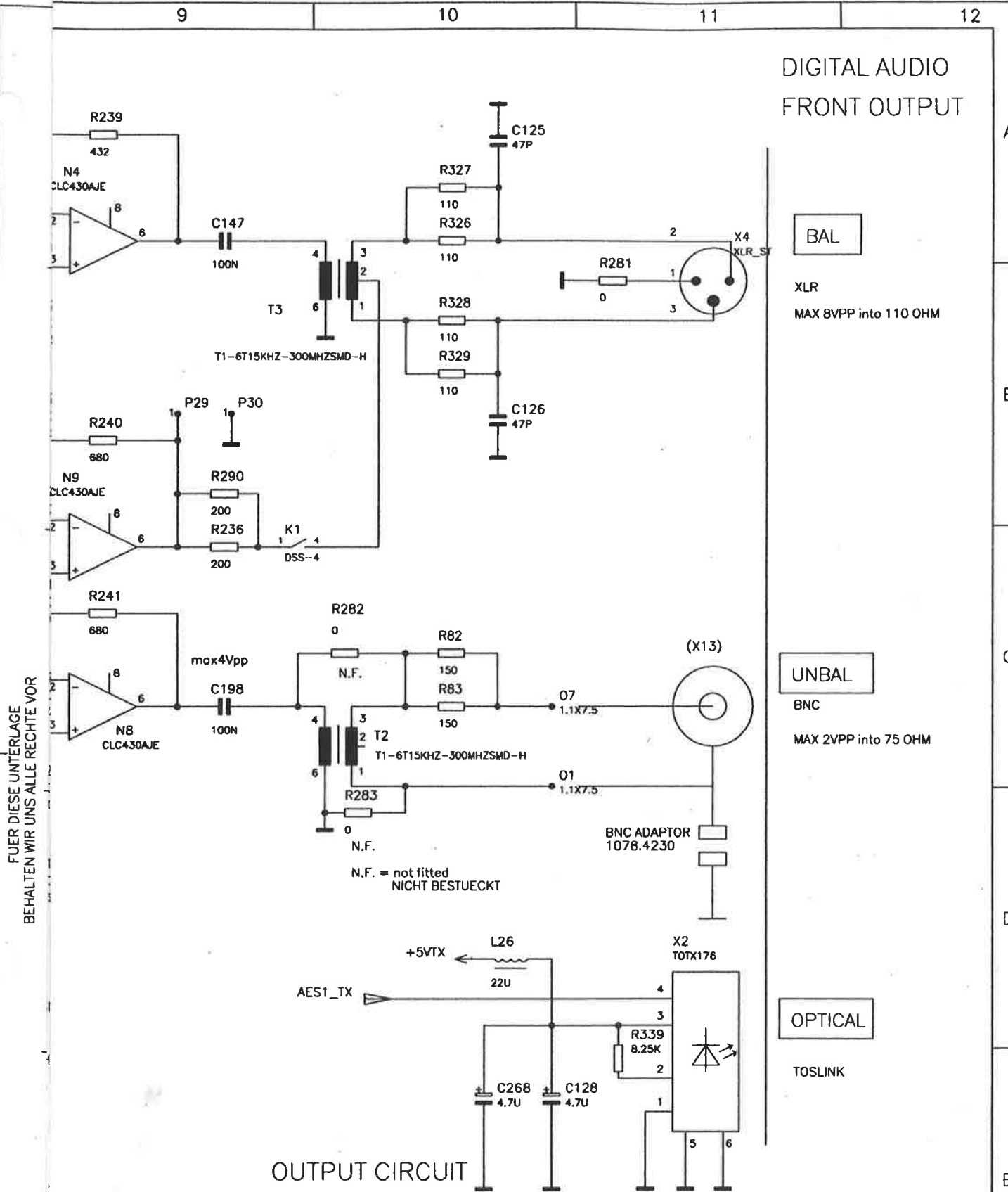
-15VTX

-15VTX

-15VTX

-15VTX

# DIGITAL AUDIO FRONT OUTPUT



BAL

XLR  
MAX 8VPP into 110 OHM

UNBAL

BNC  
MAX 2VPP into 75 OHM

OPTICAL

TOSLINK

OUTPUT CIRCUIT  
FRONT PANEL  
1078.4223

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

50252	19.12.95	HO	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		HO	AES-BOARD
			GEPR.			
			NORM			
			PLOTT	2.2.96	HO	TOP/TOPFRONT_5/TOPFRONT.2
			ROHDE&SCHWARZ		ZEICHN.-NR.	1078.4100.01 S
70	27.09.95	BG			BLATT-NR.	5 +
VD.	AENDERUNGS-	DATUM	NAME	ZU GERAET	UPL-B2	REG.I.V. 1078.4000
	MITTEILUNG					ERSTE Z. 1078.4000

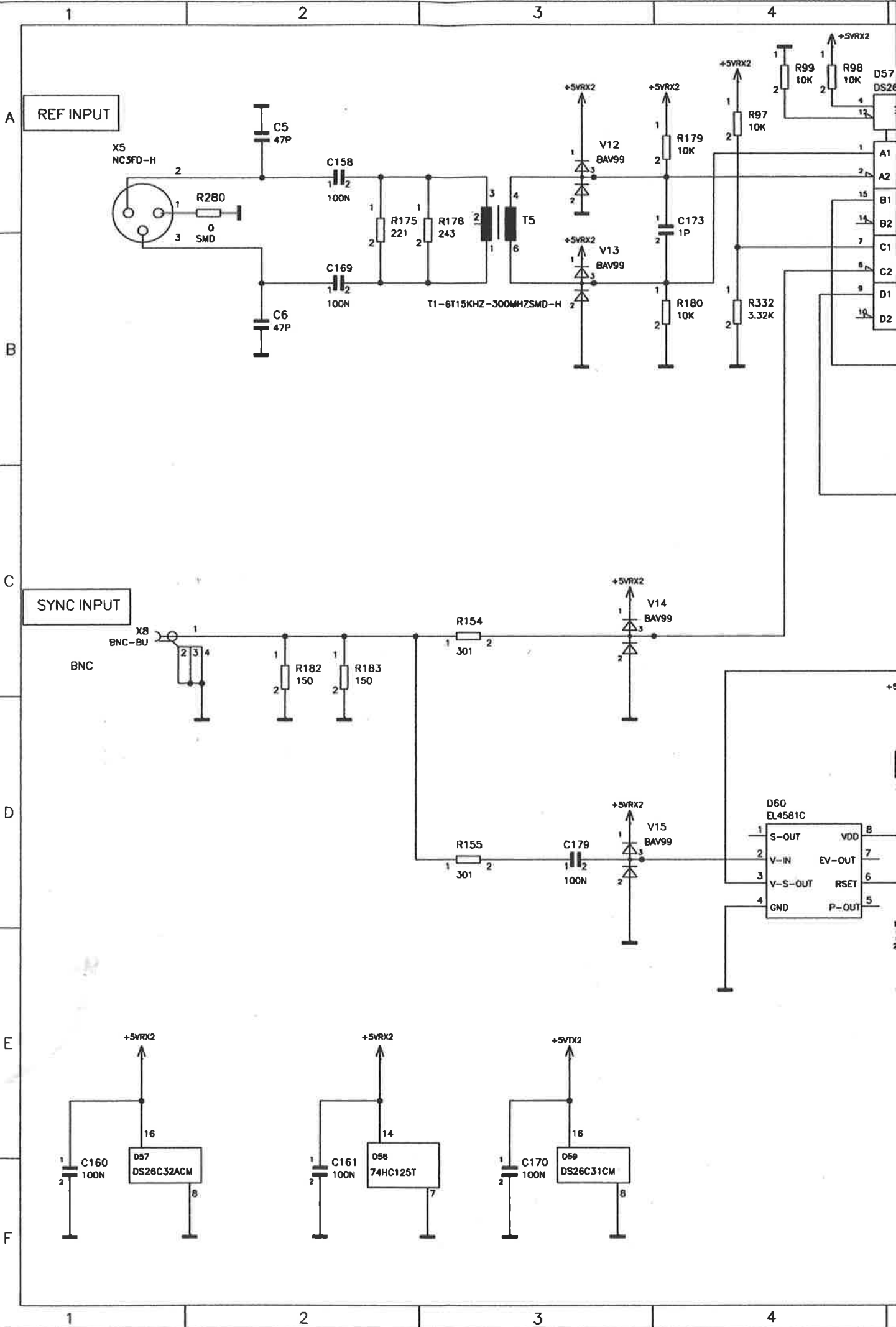
532

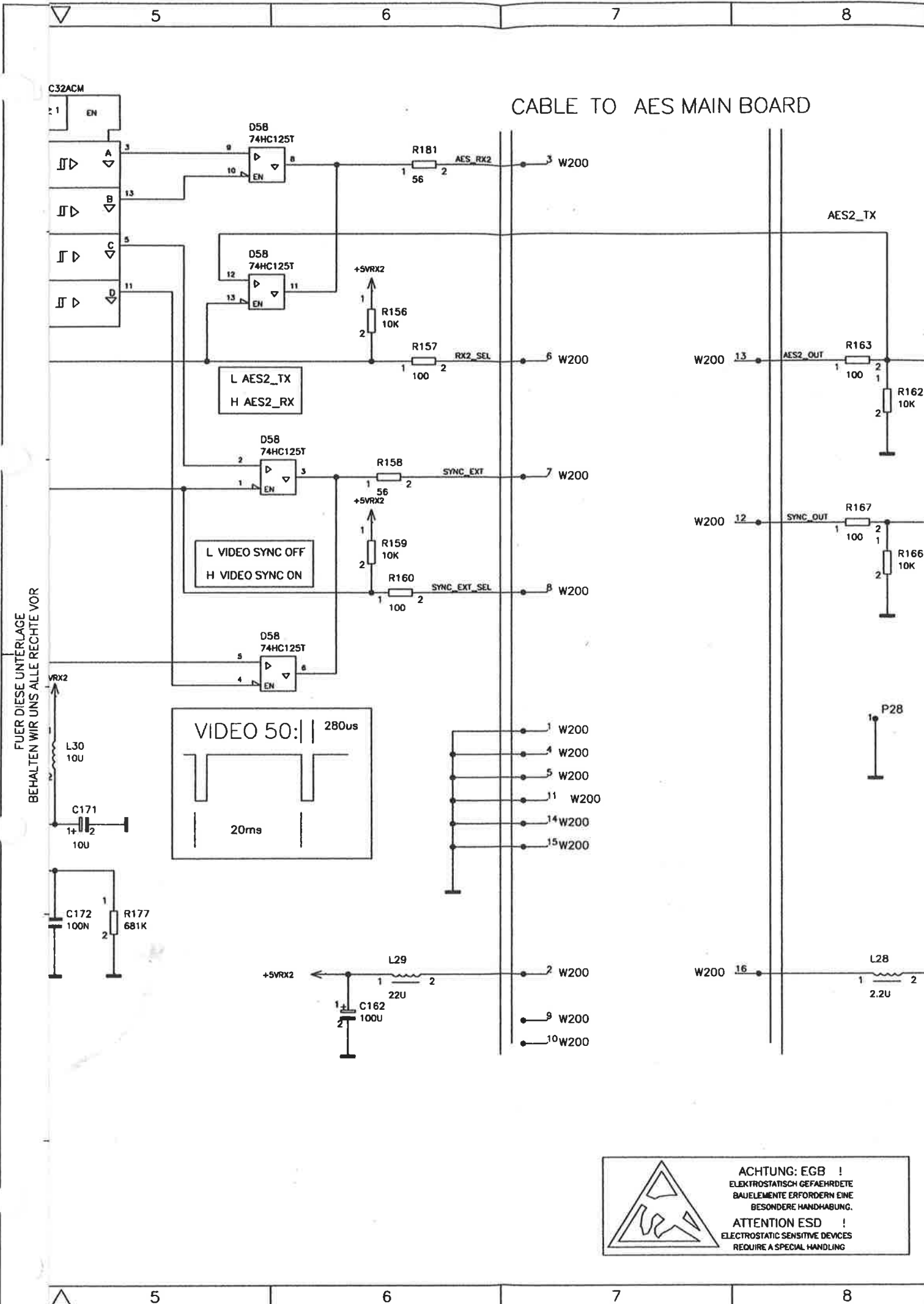
9 10 11 12

9 10 11 12



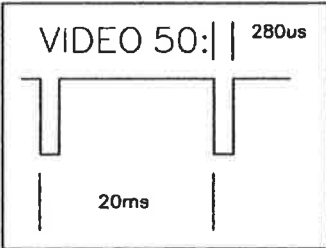
FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR





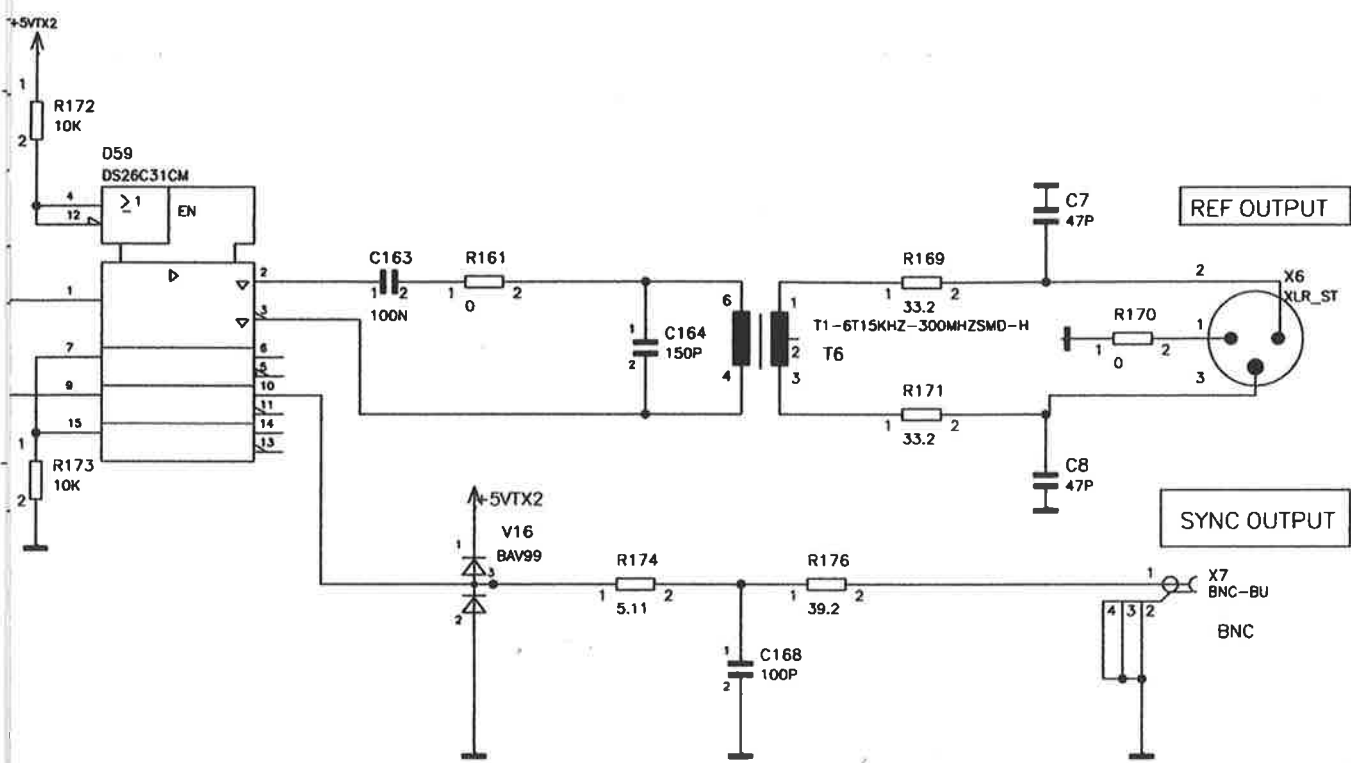
CABLE TO AES MAIN BOARD

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR





**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

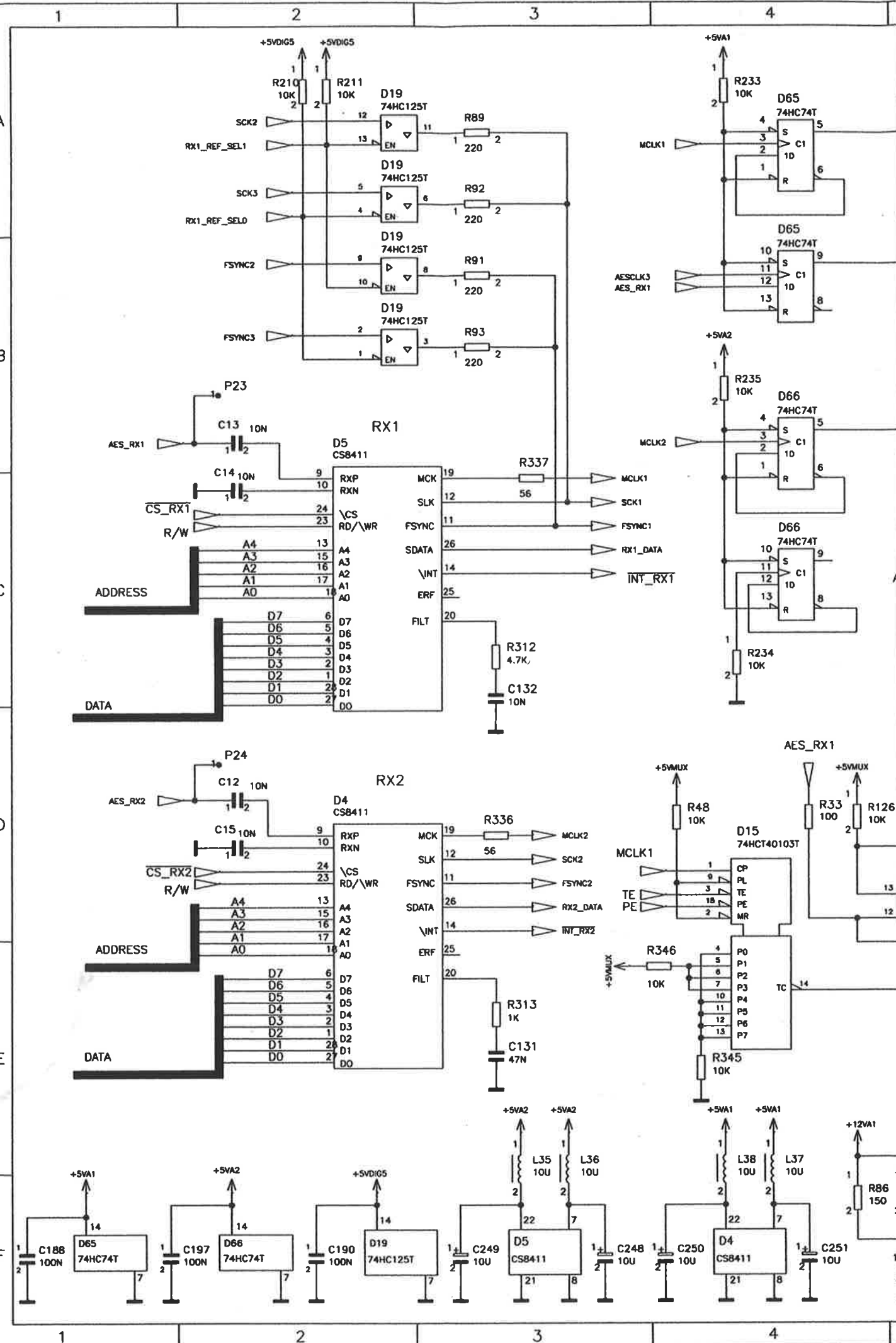
→ +5VTX2  
C174  
100U

REAR PANEL CIRCUIT  
1078.4217

3	50252	19.12.95	HO	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		HO	AES-BOARD
				GEPR.			
				NORM			
				PLOTT	2.2.96	HO	TOP/TOPREAR_4/TOPREAR.1
2/0		27.09.95	BG	ROHDE&SCHWARZ		ZEICHN.-NR.	1078.4100.01 S
END.	AENDERUNGS-	DATUM	NAME	ZU GERAET	UPL-B2	REG.I.V.	1078.4000
ND.	MITTEILUNG					ERSTE Z.	1078.4000

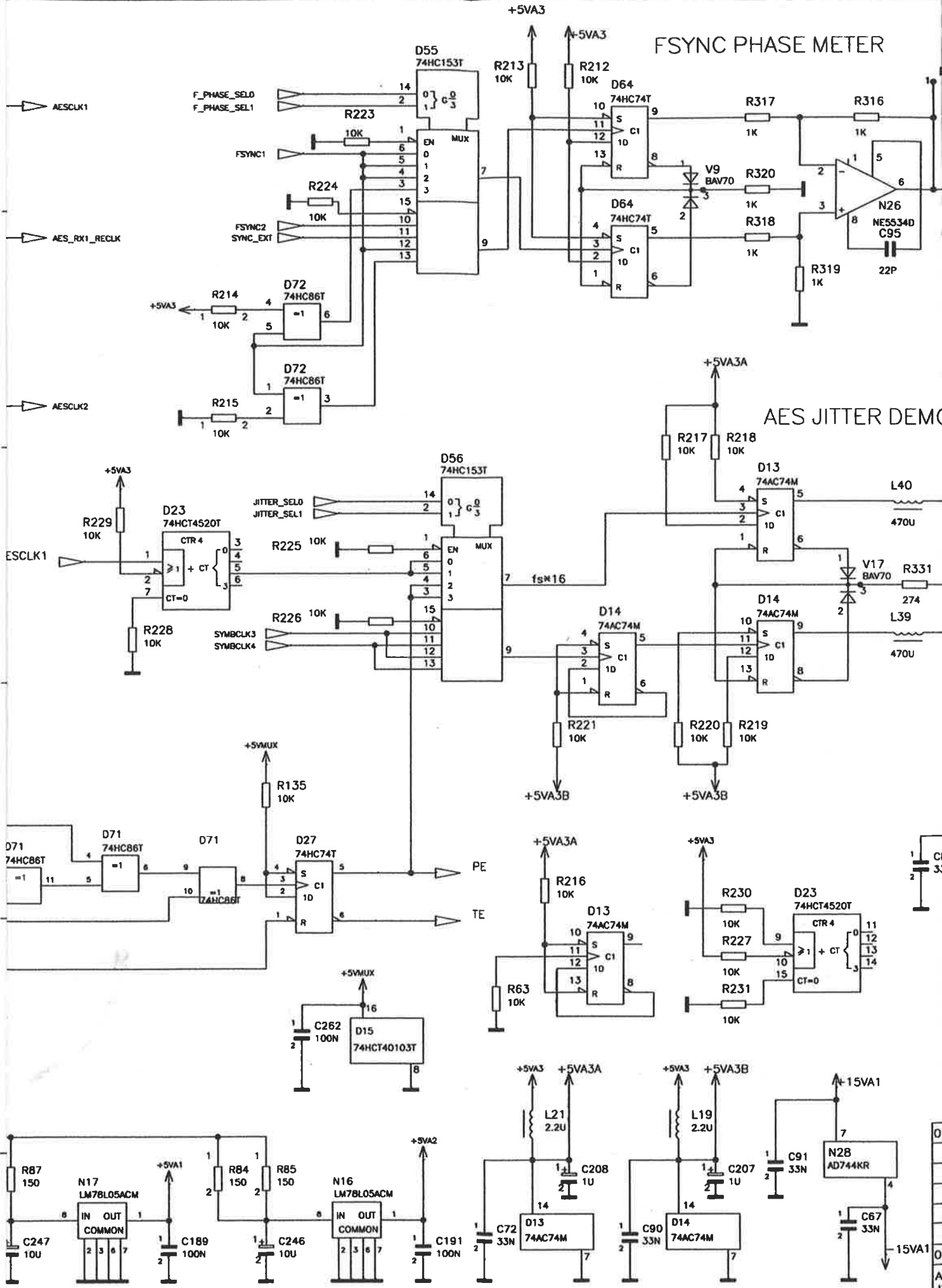
BLATT-NR.  
6 +  
BL.

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

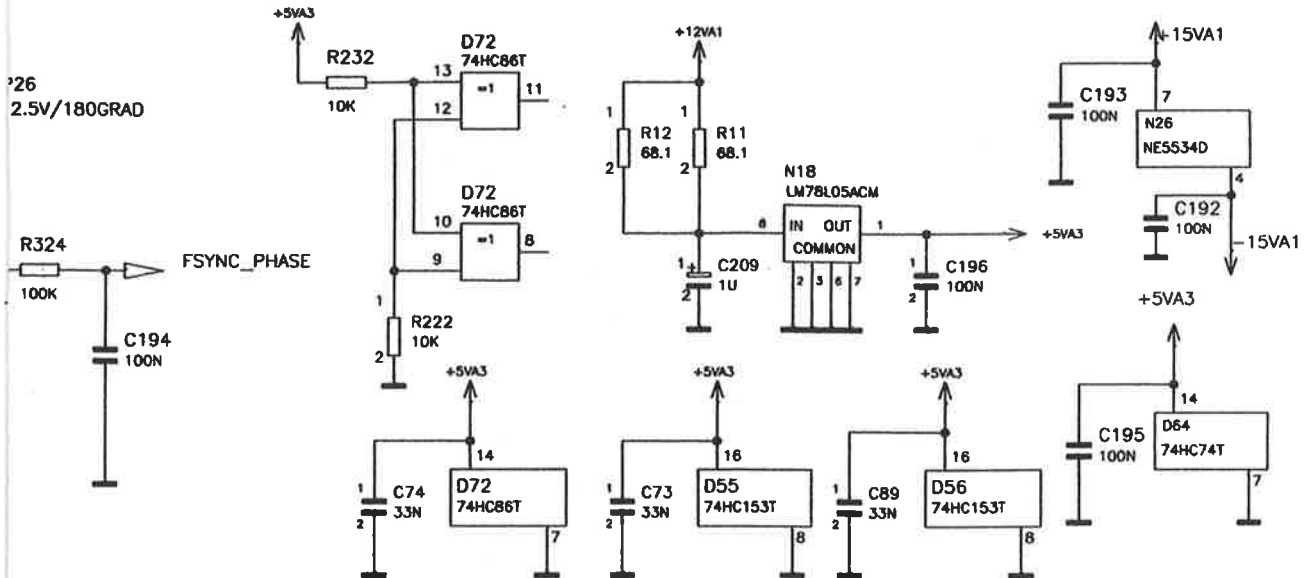


# FSYNC PHASE METER

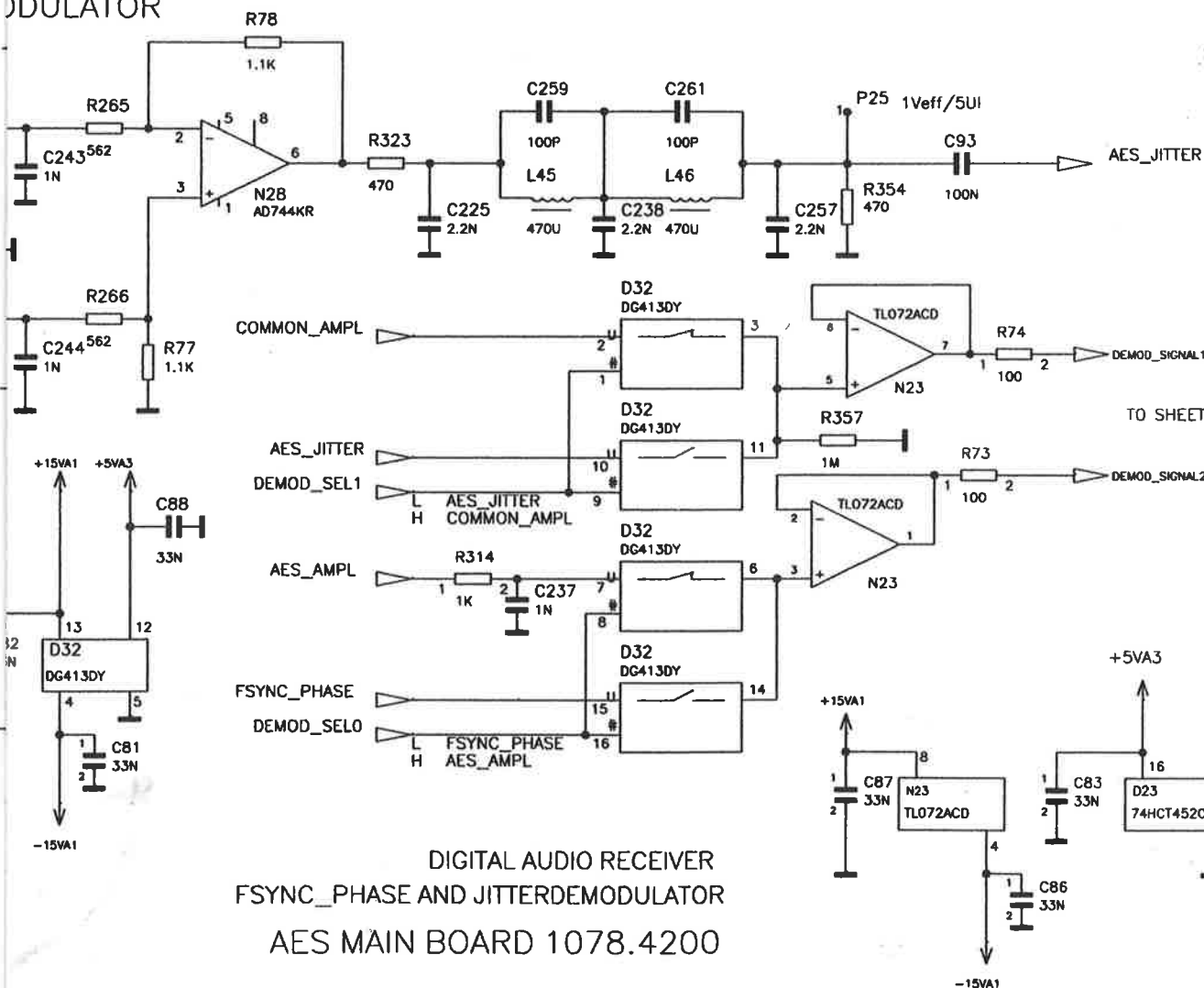
# AES JITTER DEMO



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



MODULATOR

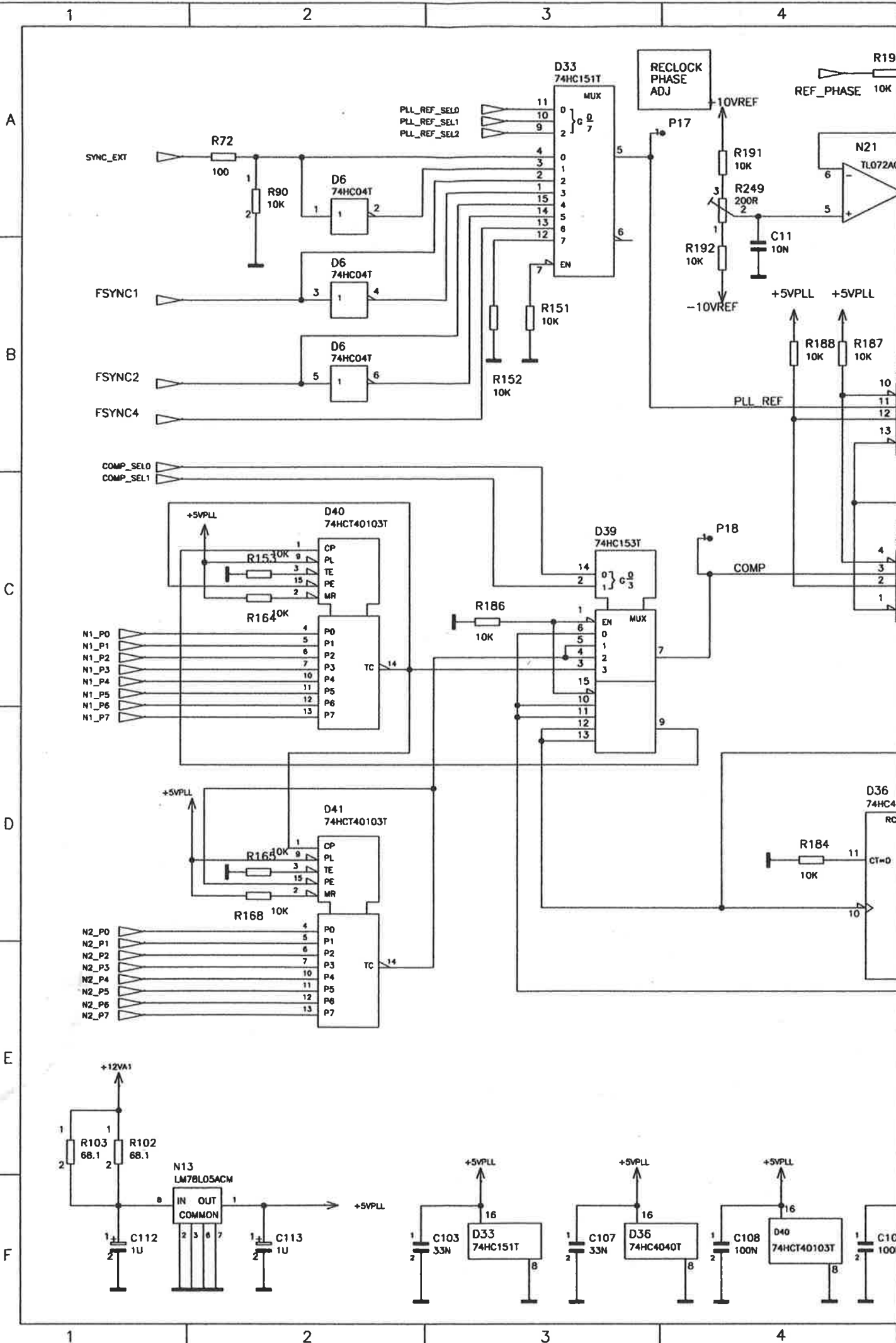


FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

DIGITAL AUDIO RECEIVER  
FSYNC\_PHASE AND JITTERDEMODULATOR  
AES MAIN BOARD 1078.4200

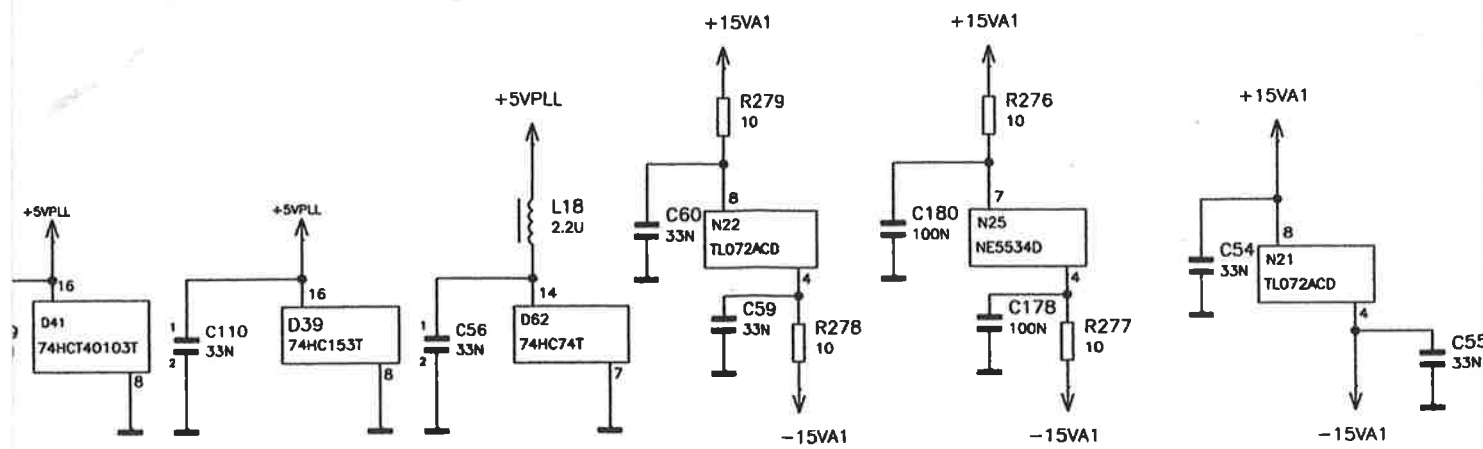
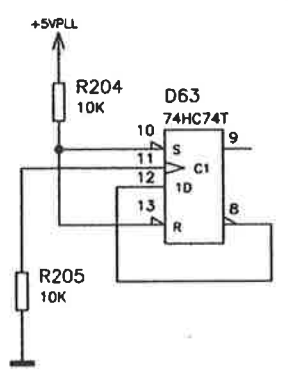
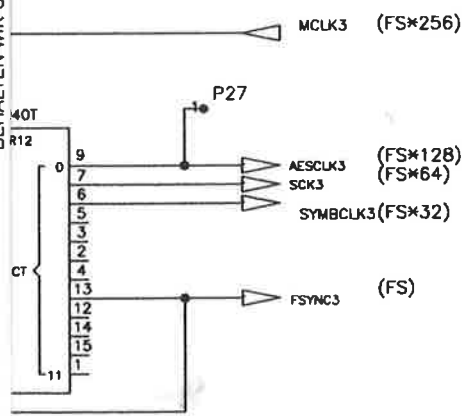
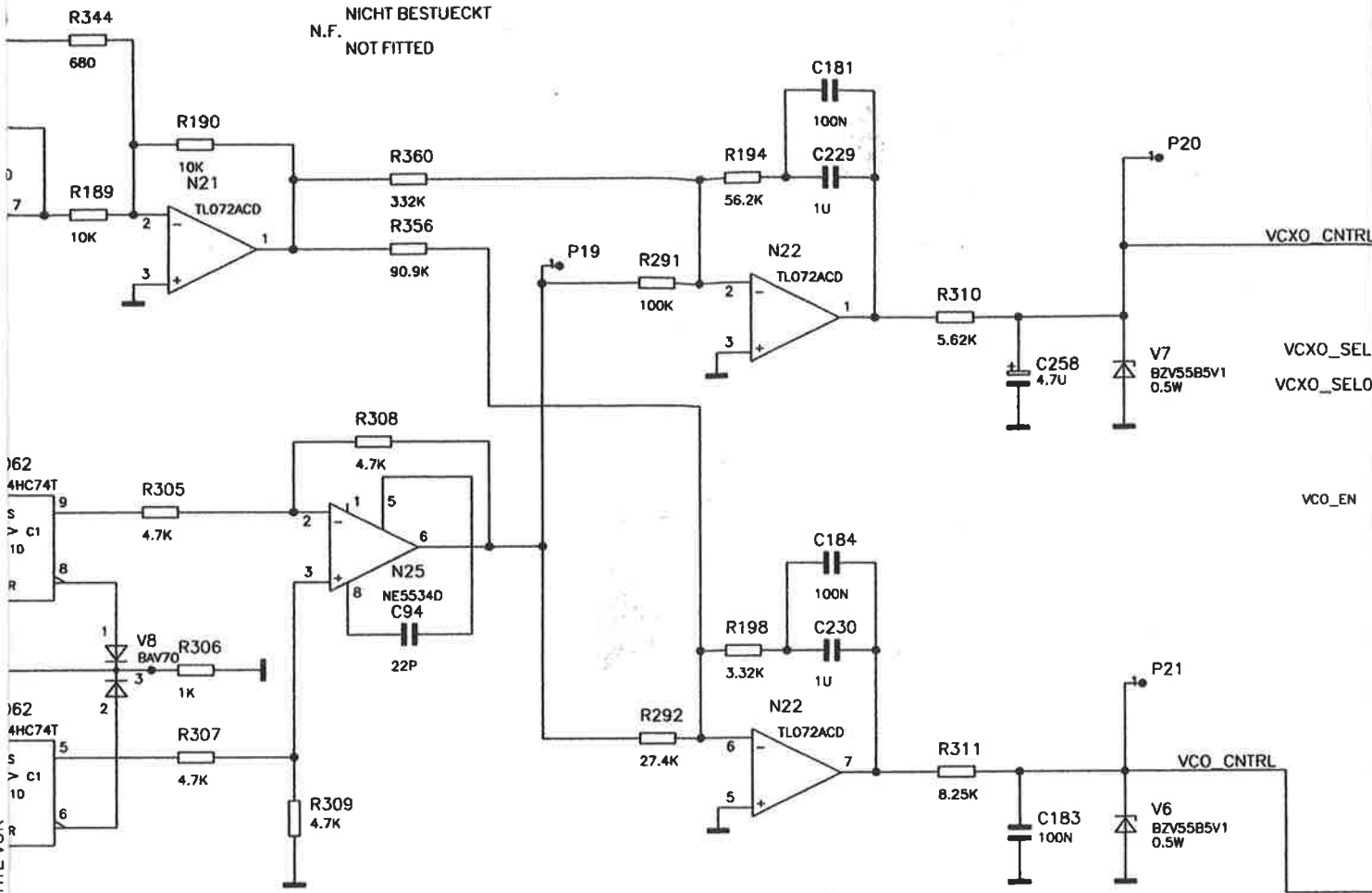
50252	19.12.95	HO	1GPK	DATUM	NAME	BENENNUNG
			BEARB.		HO	AES-BOARD
			GEPR.			
			NORM			
			PLOTT	2.2.96	HO	TOP/TOAES_6/TOAES.6
			ROHDE&SCHWARZ			ZEICHN.-NR.
						1078.4100.01 S
	27.09.95	BG				BLATT-NR.
						7 +
						V. BL.
AENDERUNGS- MITTEILUNG	DATUM	NAME	ZU GERAET	UPL-B2	REG.I.V.	1078.4000
					ERSTE Z.	1078.4000

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



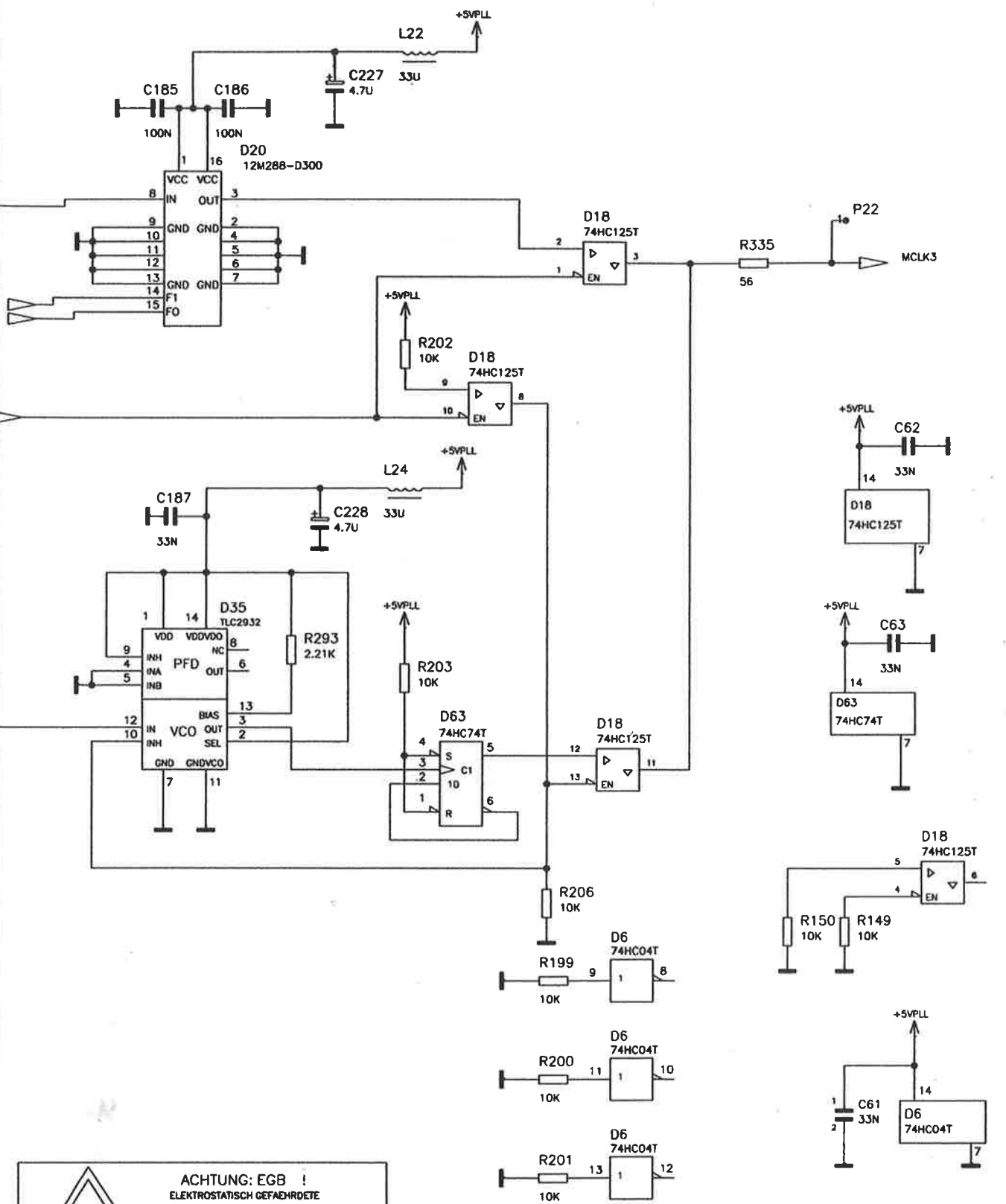
NICHT BESTUECKT  
N.F.  
NOT FITTED

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR





FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



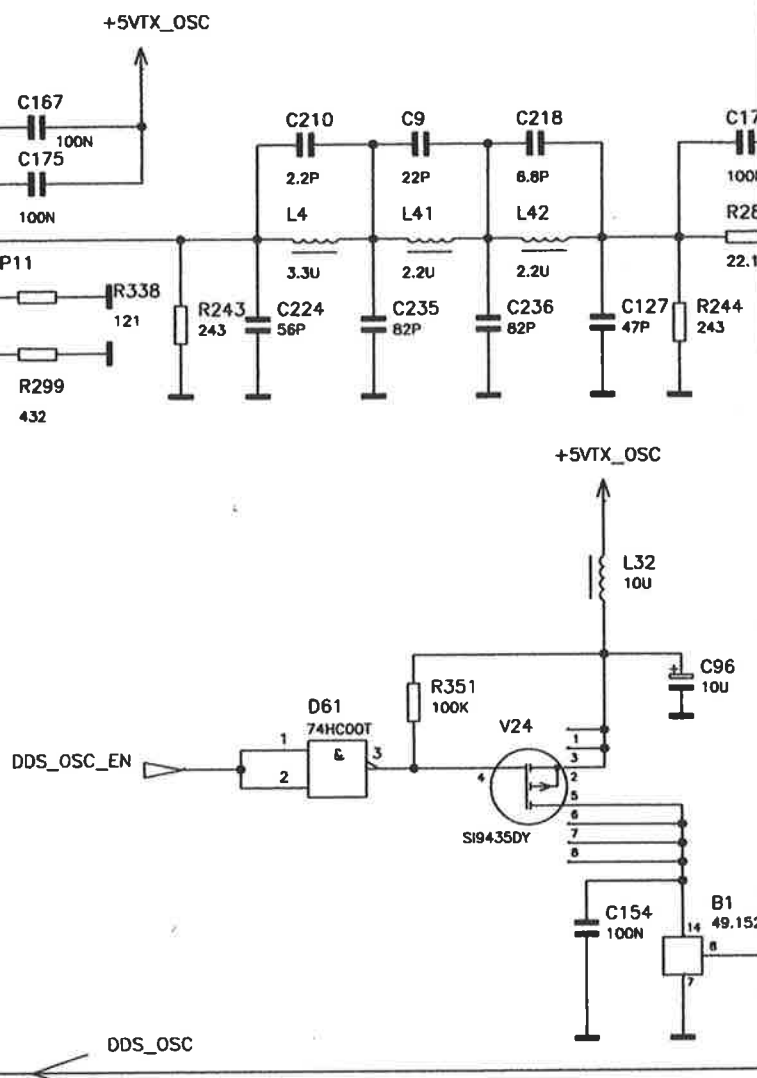
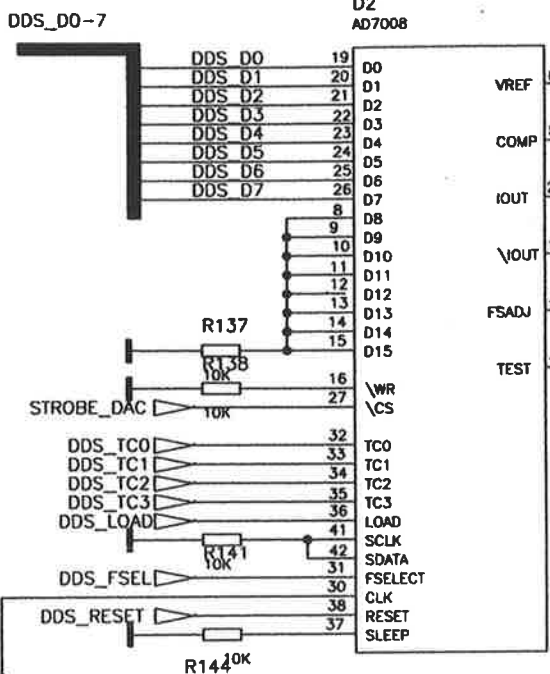
**ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.

**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

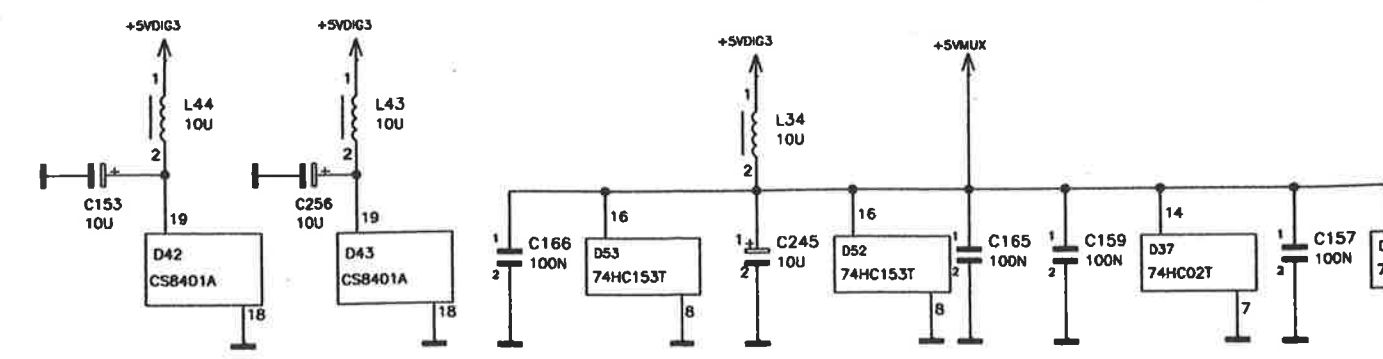
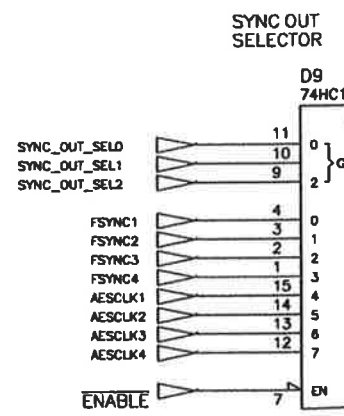
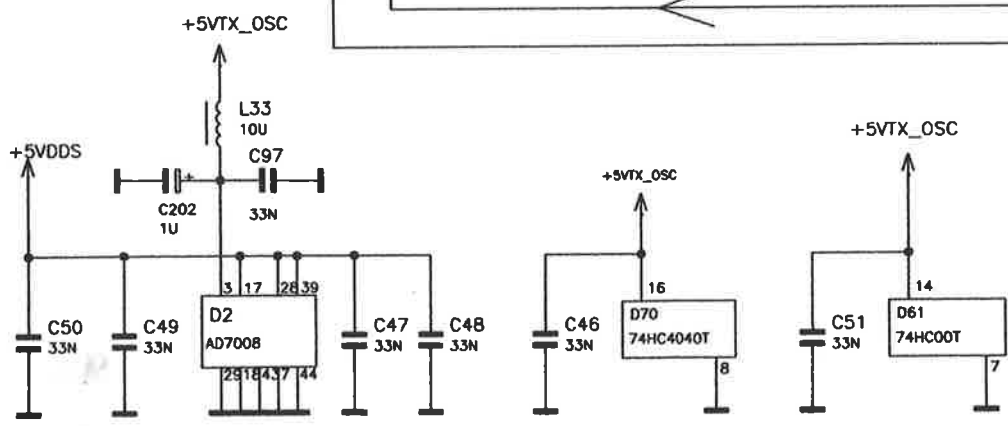
REFERENCE PLL CIRCUIT  
AES MAIN BOARD 1078.4200

03	50252	19.12.95	HO	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		HO	AES--BOARD
				GEPR.			
				NORM			
				PLOTT	2.2.96	HO	TOP/TOPAES_6/TOPAES.4
02/01		27.09.95	BG	ROHDE&SCHWARZ			ZEICHN.-NR.
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET	UPL-B2	REG.IV.	1078.4000
						ERSTE Z.	1078.4000
							BLATT-NR.
							8 +
							V BL.

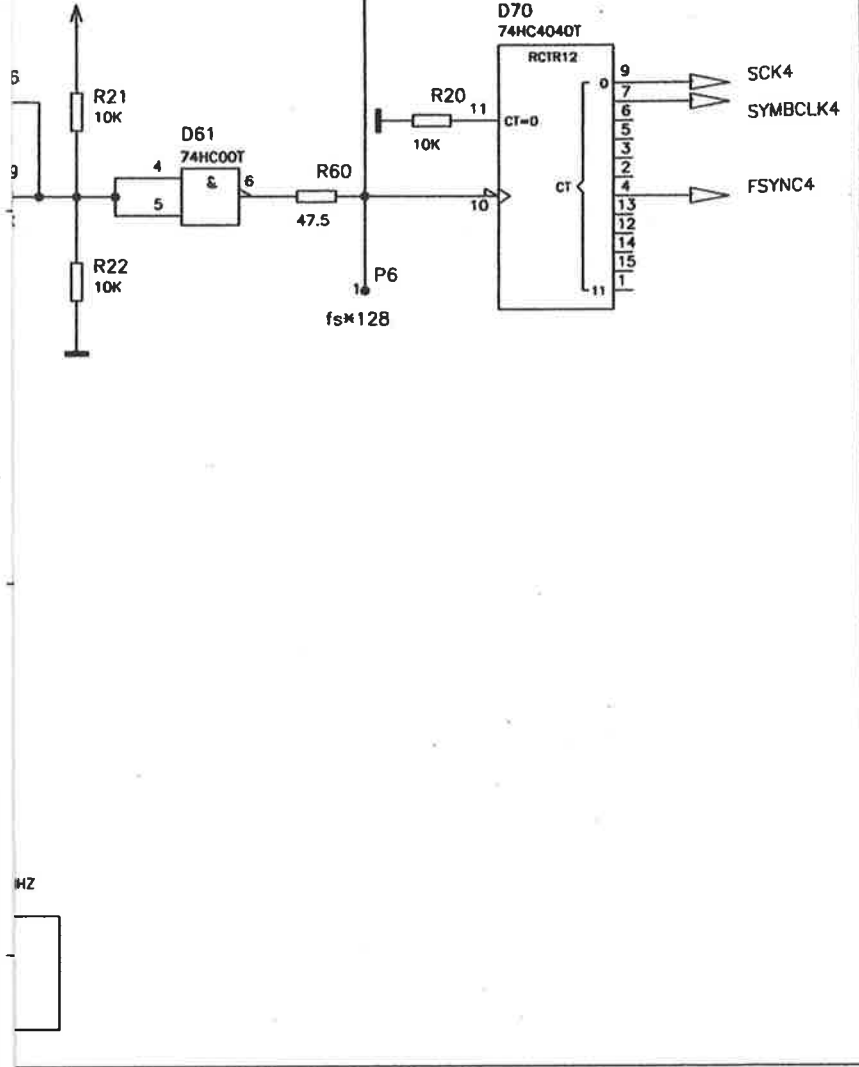
# DDS SYNC-GENERATOR



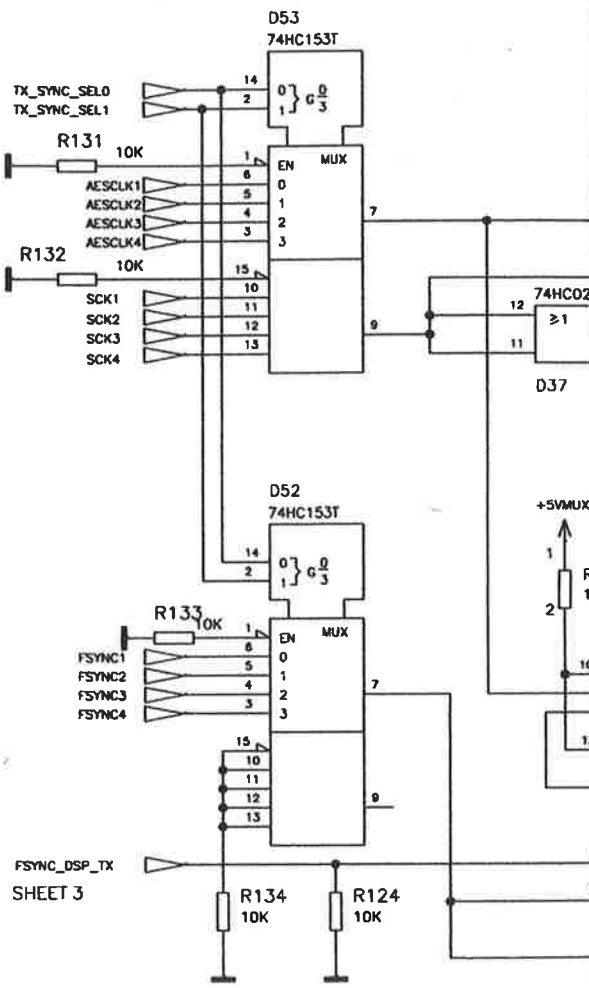
FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR



+5VTX\_OSC

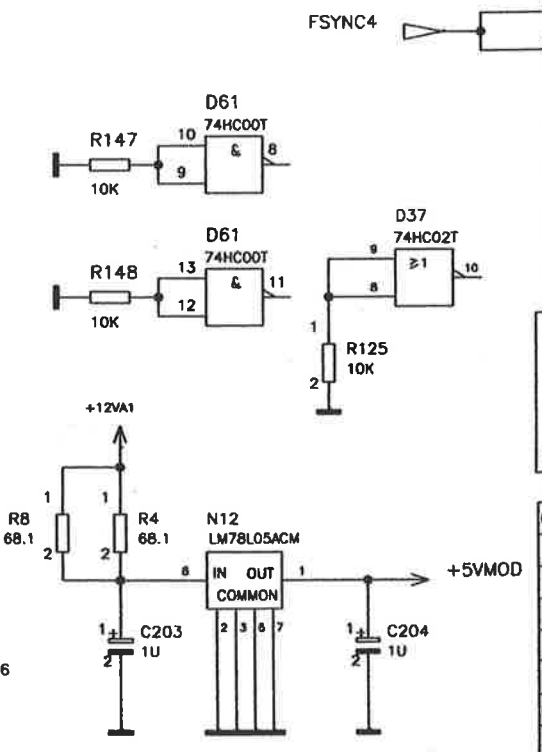
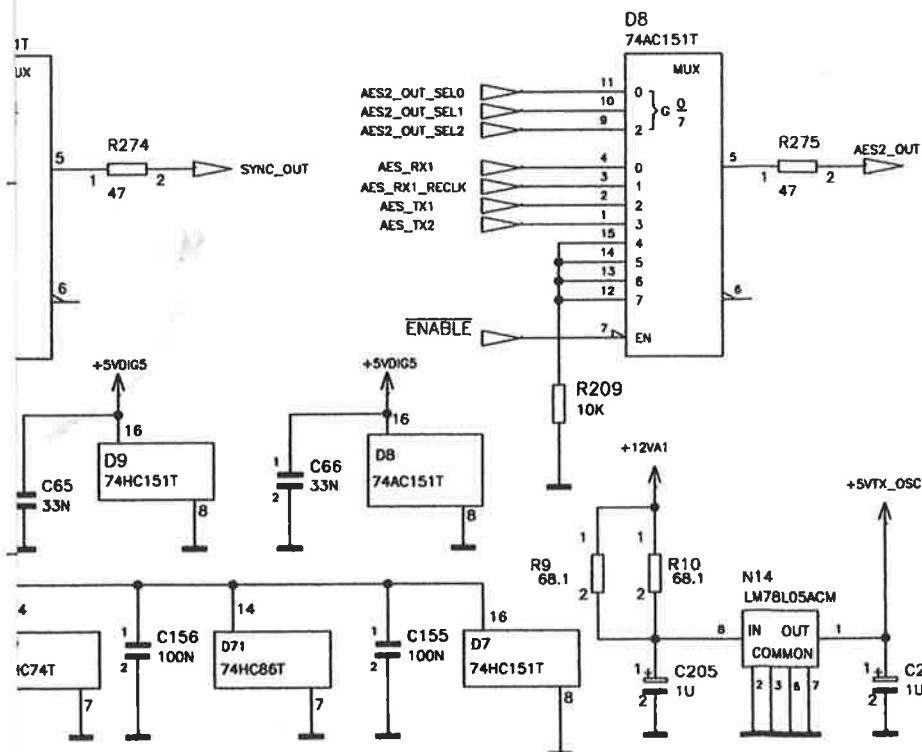


### TX1 - SYNC SWITCH DSP



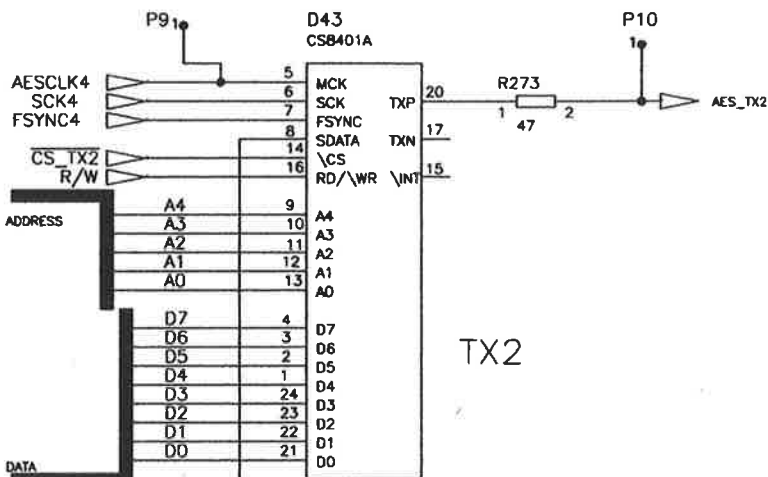
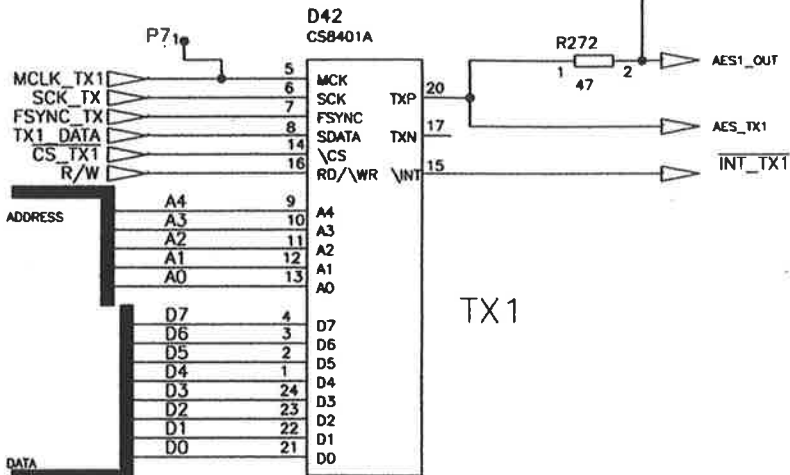
FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

### REF\_OUT\_SELECTOR

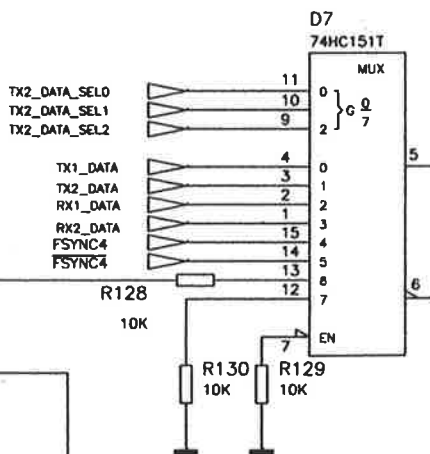


### AES TRANSMITTER

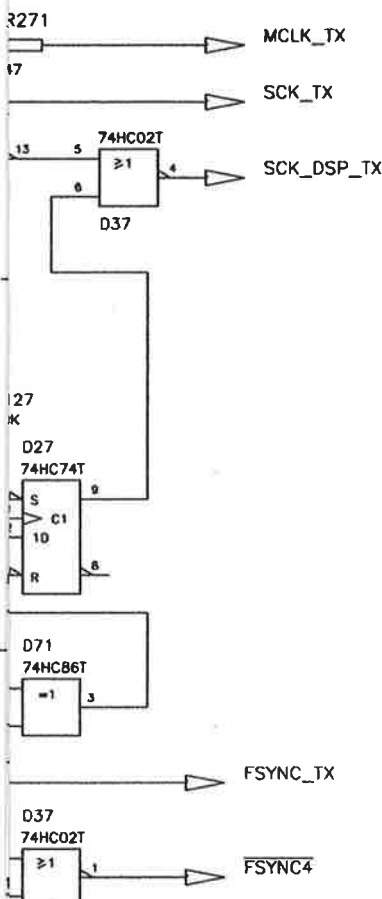
### SYNCRONIZER



### TX2-DATA SELECTOR



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

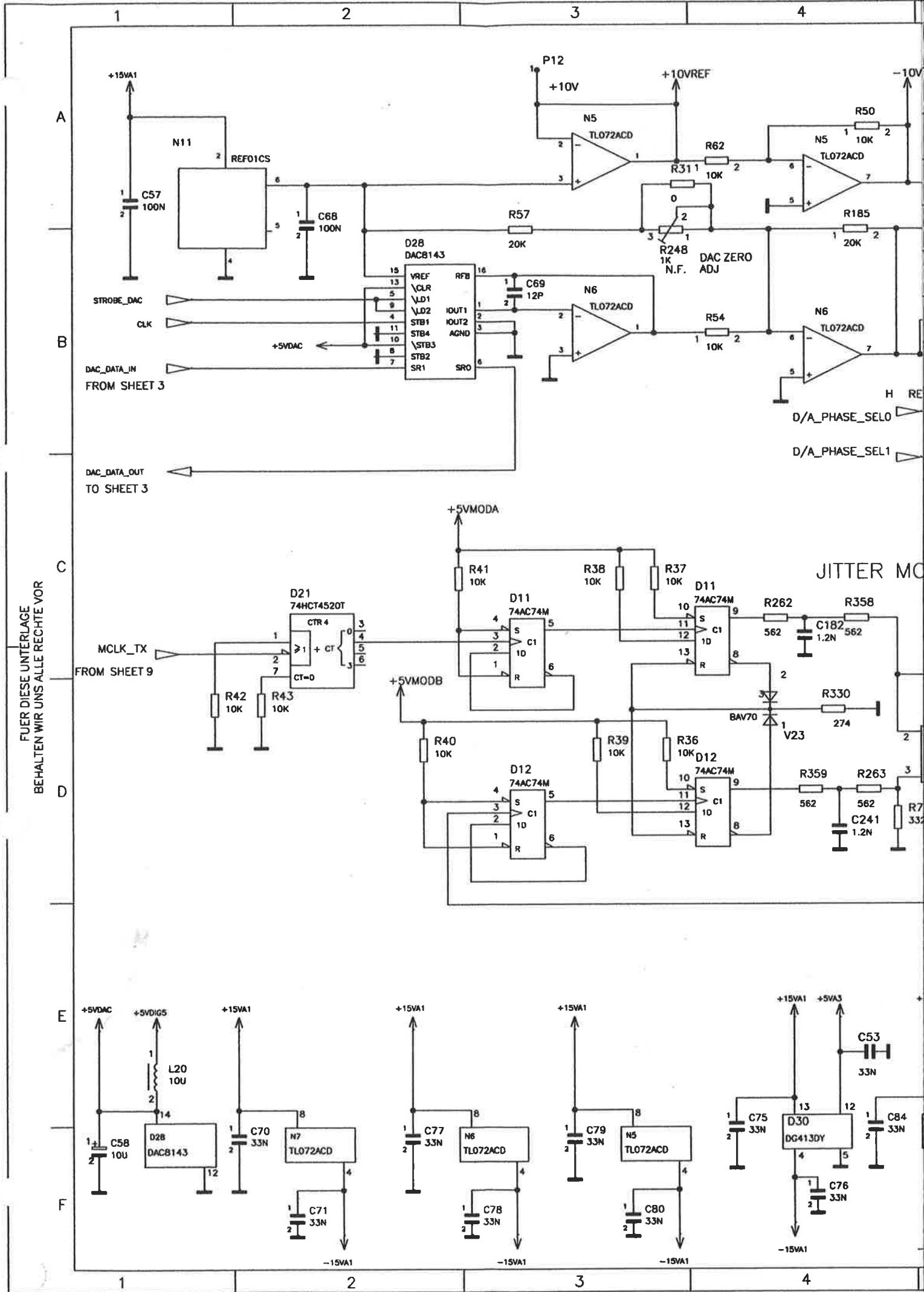


**ACHTUNG: EGB !**  
ELEKTROSTATISCH GEFAEHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

### DIGITAL AUDIO TRANSMITTER DDS SYNC-GENERATOR

### AES MAIN BOARD 1078.4200

3	50252	19.12.95	HO	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		HO	AES-BOARD
				GEPR.			
				NORM			
				PLOTT	2.2.96	HO	TOP/TOPAES_6/TOPAES.2
							ZEICHN.-NR.
2/0		27.09.95	BG	ROHDE&SCHWARZ			1078.4100.01 S
END. VD.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERAET	UPL-B2	REG.I.V.	1078.4000
						ERSTE Z.	1078.4000



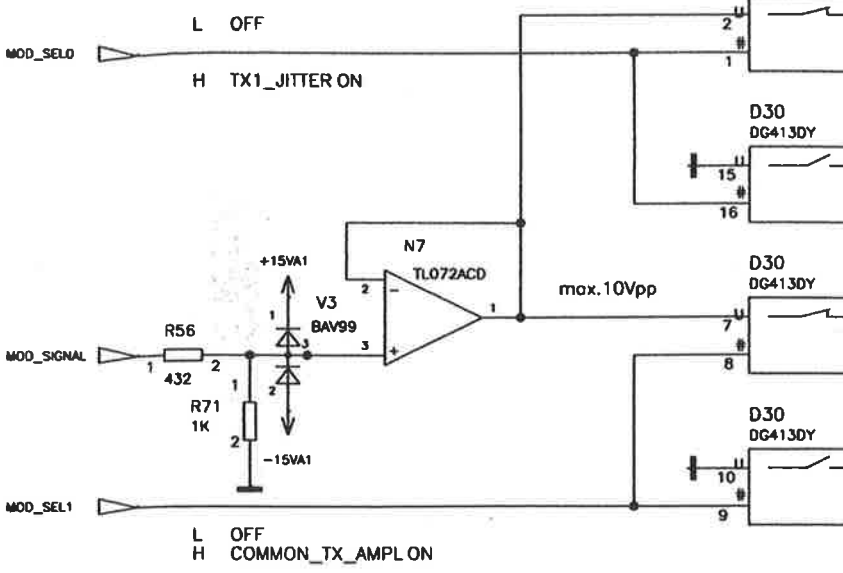
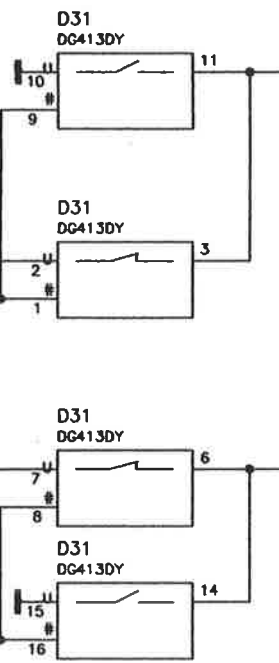
FUER DIESE UNTERLAGE BEHALTEN WIR UNS ALLE RECHTE VOR

REF

P13  
-10V

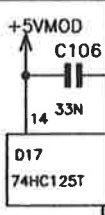
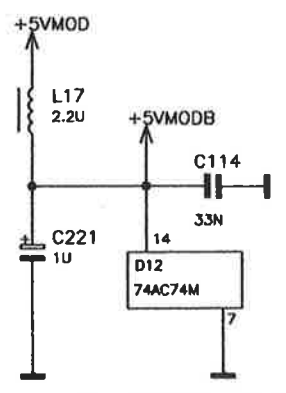
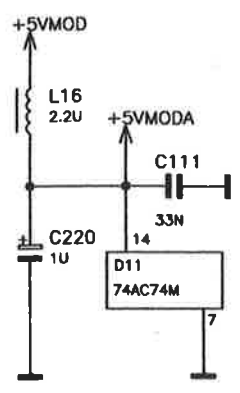
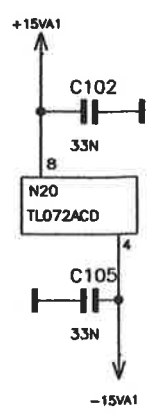
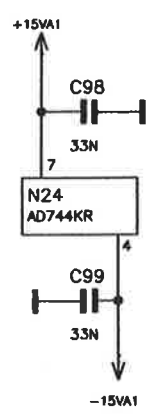
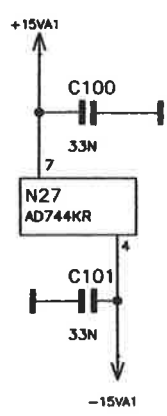
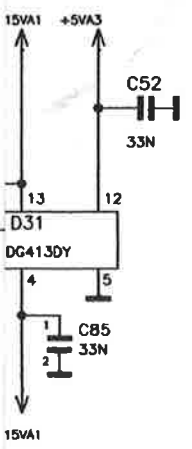
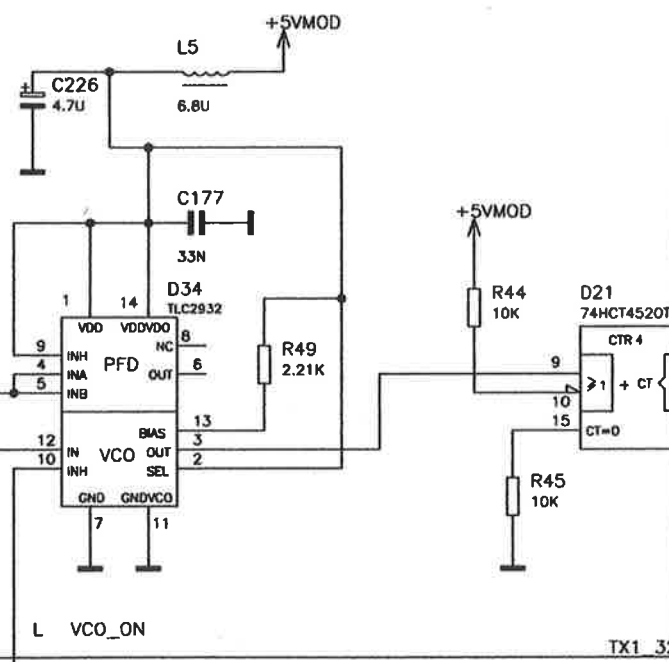
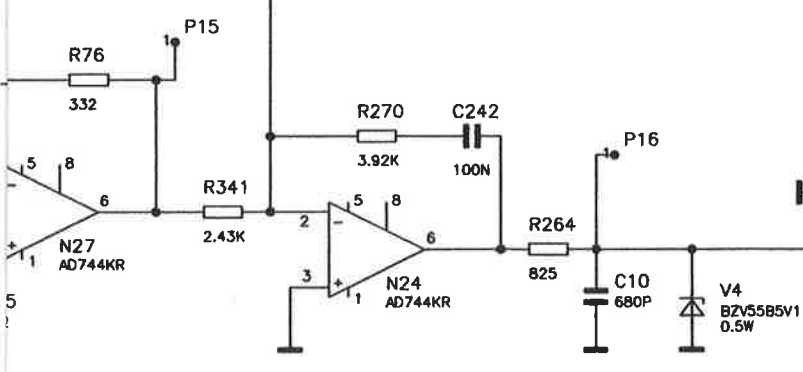
P14  
-10V...10V

F\_PHASE ON



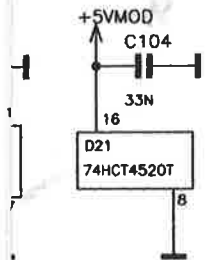
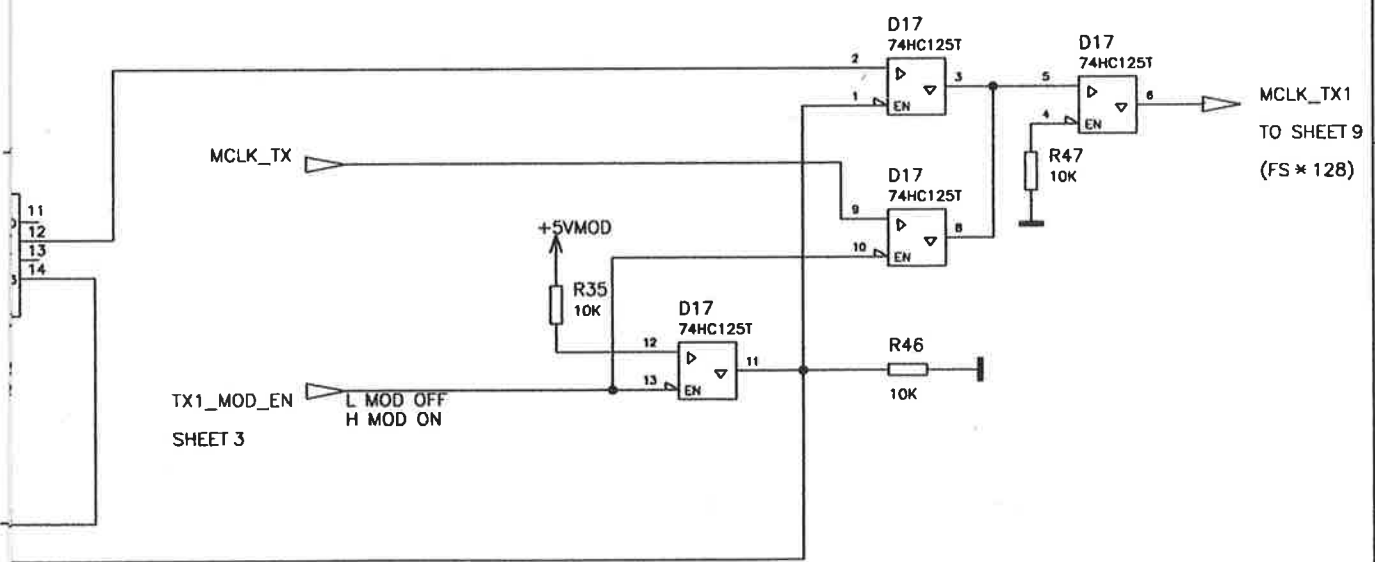
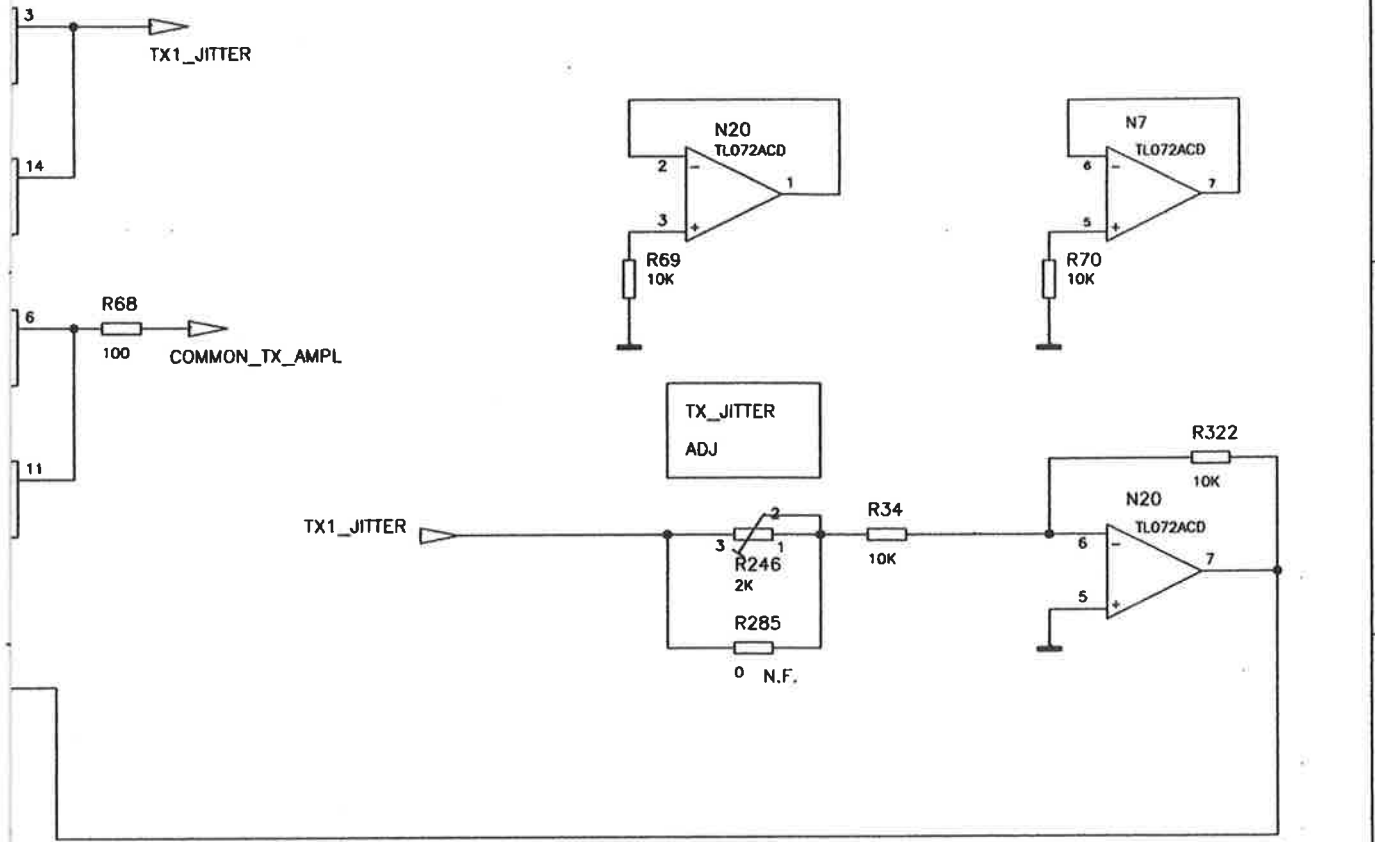
### MODULATOR

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



N.F. = not fitted/nicht bestueckt

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



**ACHTUNG: EGB !**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDHABUNG.  
**ATTENTION ESD !**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

PHASE DAC  
 JITTER MODULATOR

AES MAIN BOARD 1078.4200

3	50252	19.12.95	HO	1GPK	DATUM	NAME	BENENNUNG
				BEARB.		HO	AES-BOARD
				GEPR.			
				NORM			
				PLOTT	1.2.96	HO	TOP/TOPAES_6/TOPAES.3
				ROHDE&SCHWARZ			ZEICHN.-NR.
							1078.4100.01 S
2/01		27.09.95	BG				BLATT-NR.
							10 +
							BL.
END. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL-B2	REG.I.V.	1078.4000
						ERSTE Z.	1078.4000

1

2

3

4

A

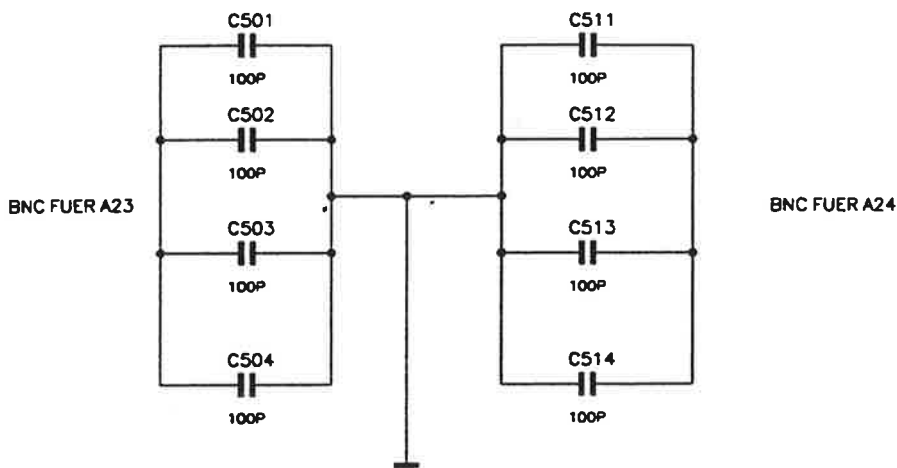
B

C

D

E

F



BNC ADAPTER  
 1078.4230  
 (FUER A23 und A24)

FUER DIESE UNTERLAGE  
 BEHALTEN WIR UNS ALLE RECHTE VOR

03	50252	19.12.95	HO	1GPK	DATUM	NAME	BENENNUNG	
				BEARB.		HO	AES-BOARD	
				GEPR.			-	
				NORM			TOP/BNC_ADAPTER_15/BNC_ADAPTER.1	
				PLOTT	5.2.96	HO	ZEICHN.-NR.	BLATT-NR.
				ROHDE&SCHWARZ			1078.4100.01 S	11 -
02/01		27.09.95	BG					V BL.
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	ZU GERÄT	UPL-B2	REG.LV.	1078.4000	ERSTE Z. 1078.4000

1

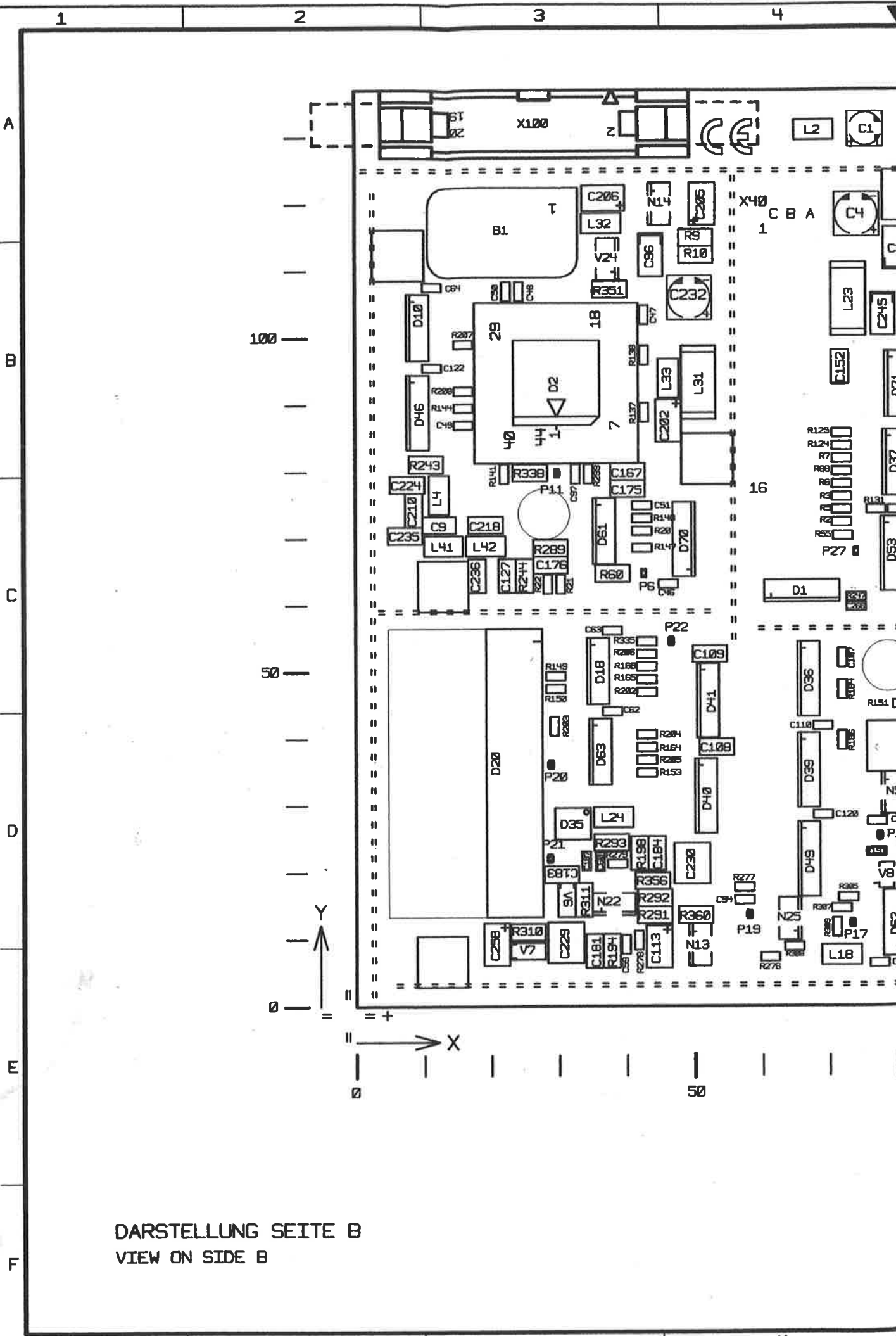
2

3

4



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

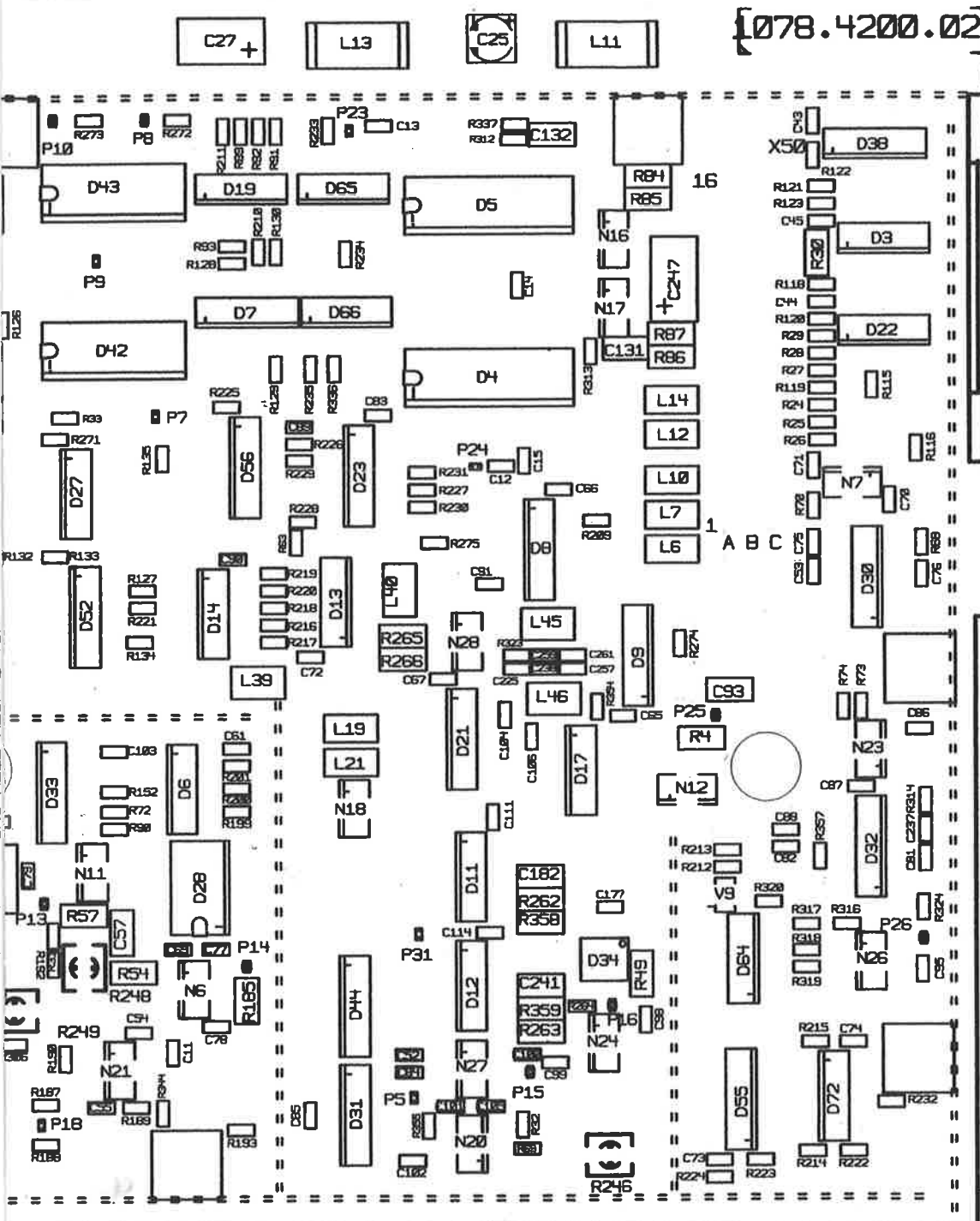


DARSTELLUNG SEITE B  
VIEW ON SIDE B

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

[078.4200.02]

[078.4223.02]



100

150

200

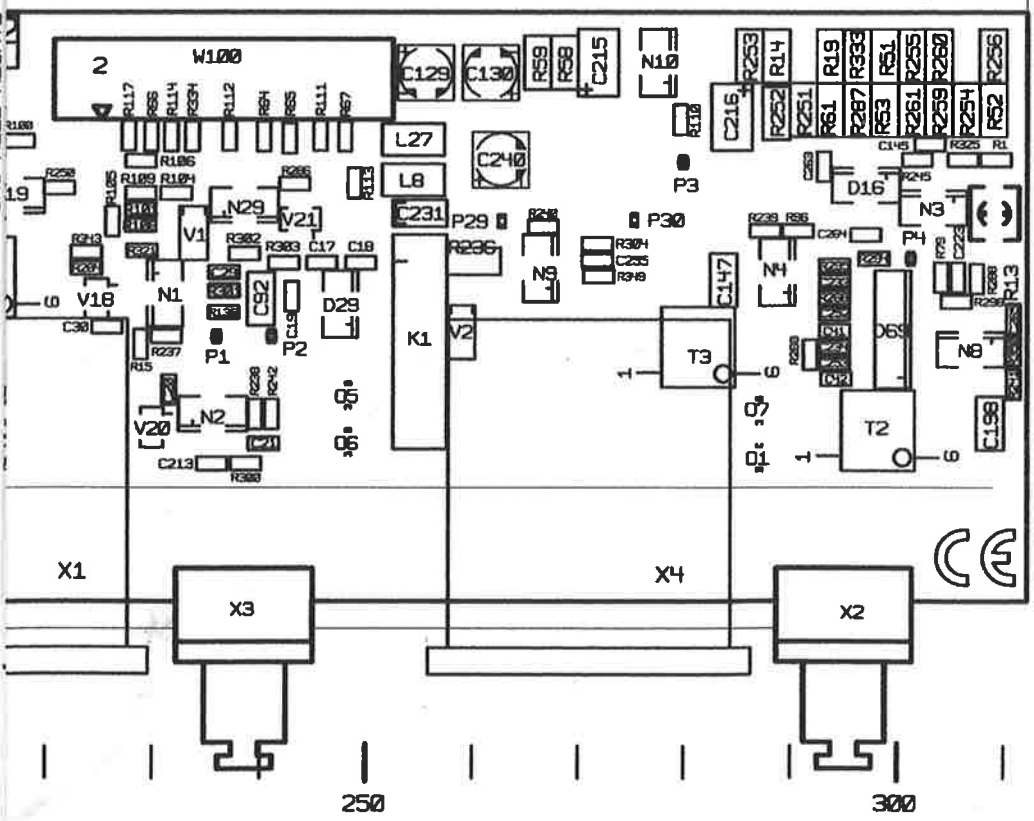
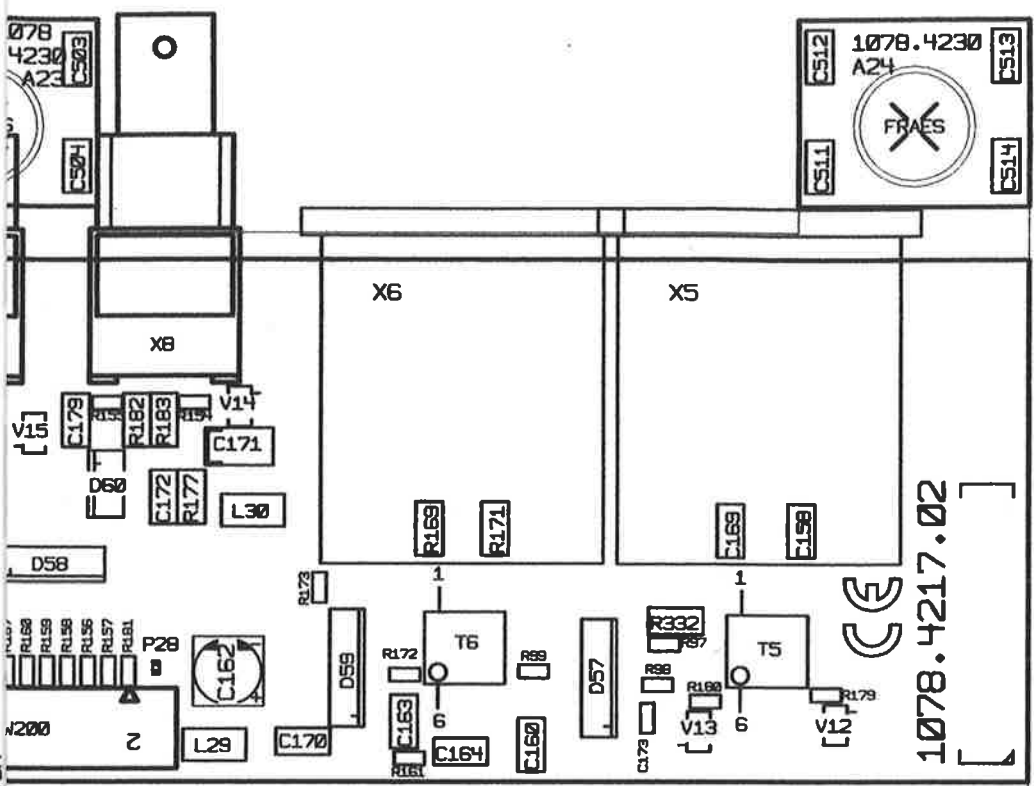


**ACHTUNG: EGBI**  
 ELEKTROSTATISCH GEFÄHRDETE  
 BAUELEMENTE ERFORDERN EINE  
 BESONDERE HANDLING.  
**ATTENTION ESDI**  
 ELECTROSTATIC SENSITIVE DEVICES  
 REQUIRE A SPECIAL HANDLING

BINDENDE ANGABEN LIEBER VARIANTEN,  
 TRIMMWERTE, BAUTEILWERTE UND  
 NICHT BESTUECKTE BAUTEILE SIEHE SA.

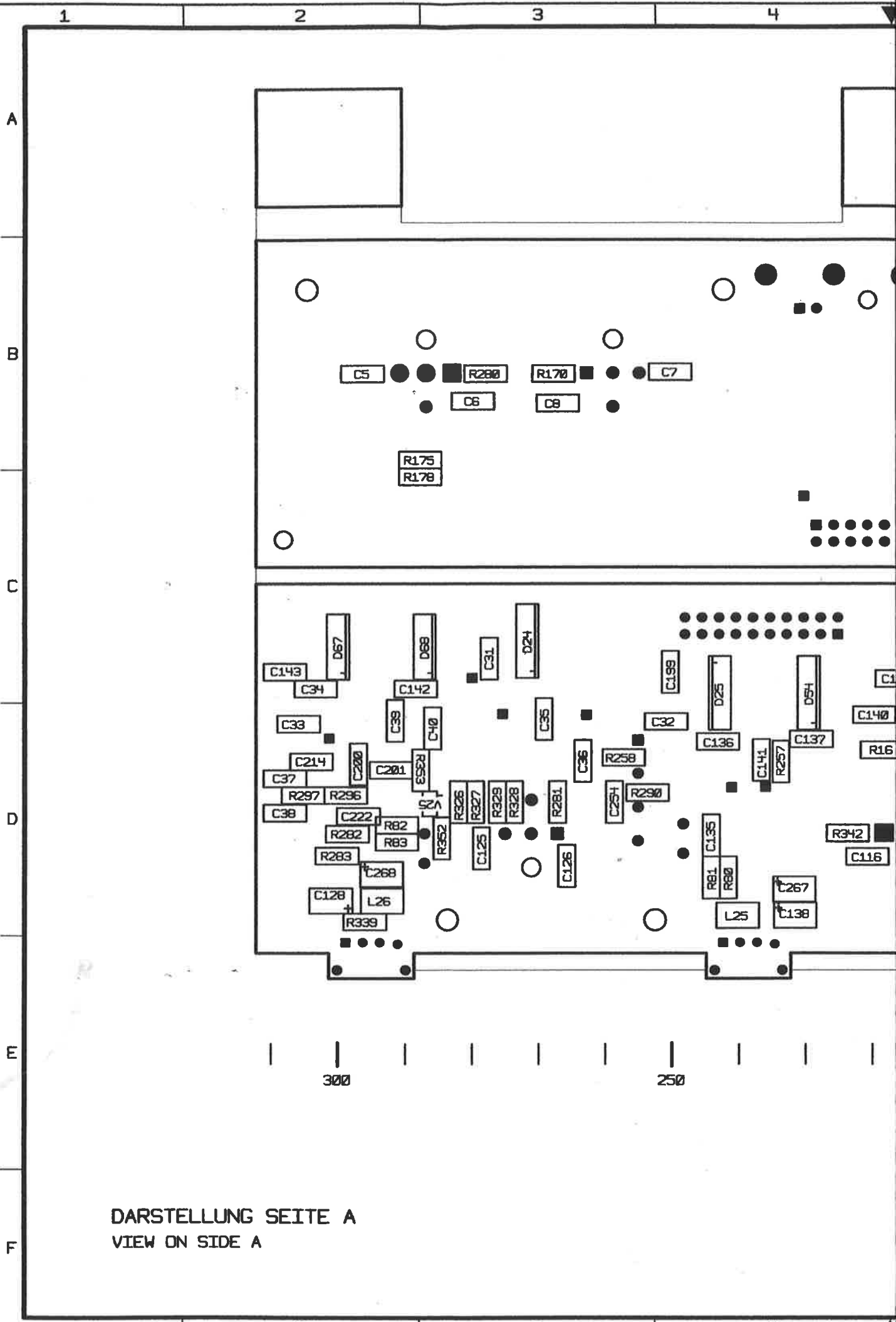
FOR BINDING INFORMATION ON MODELS,  
 TRIMMING AND COMPONENTS VALUES AND  
 NONFITTED COMPONENTS SEE PARTS LIST.

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



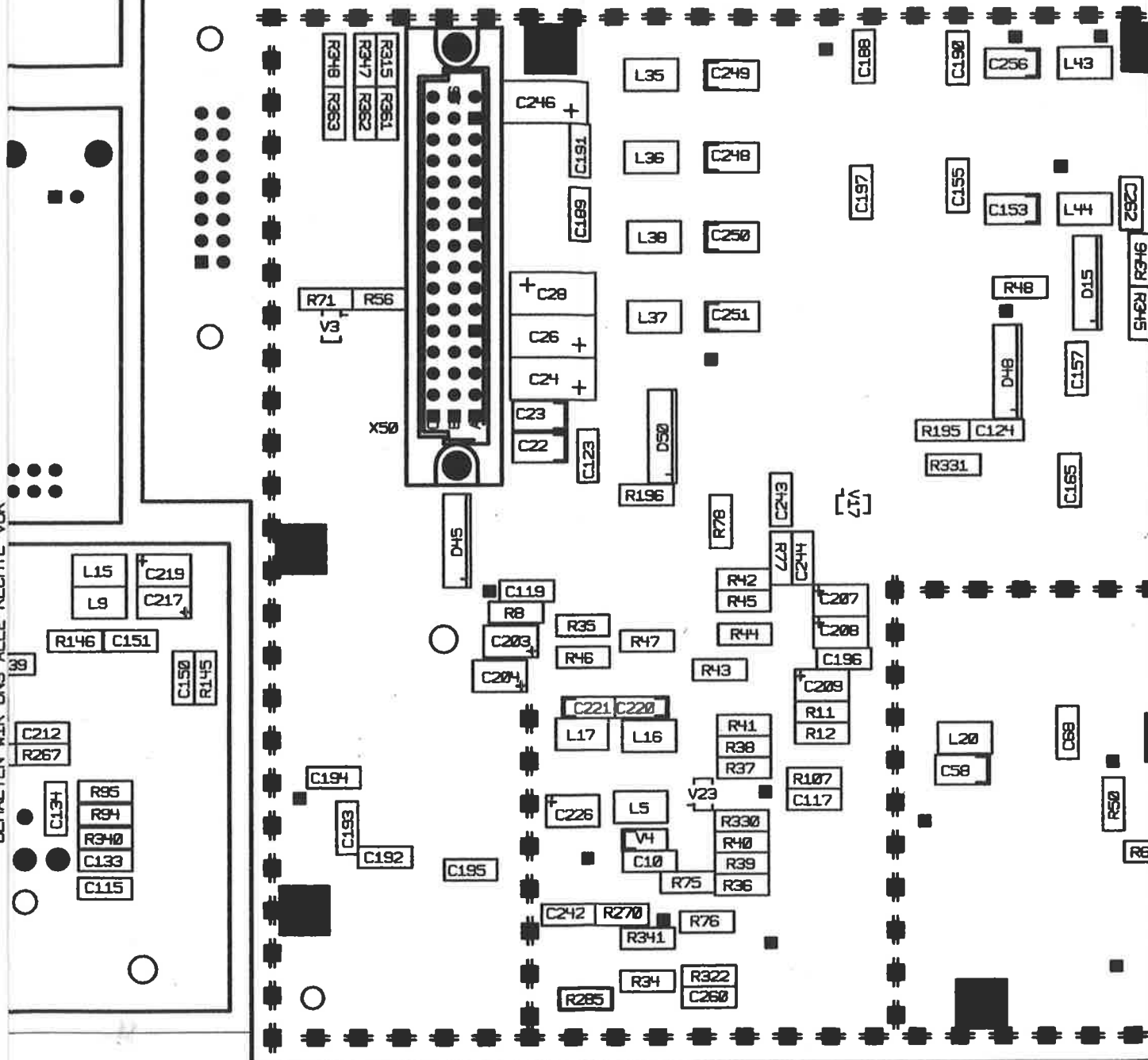
06/01	50252	30.01.06	HO	1GPK	DATUM	NAME	BENENNUNG	
				BEARB.		HO	AES-BOARD	
				GEPR.		HO	-	
				NORM				
				PLOTT	02.02.06			
				ROHDE&SCHWARZ			ZEICHN.-NR.	
				ZU GERÄT UPL-B2			1078.4100.01	
				REG.I.V. 1078.4000		ERSTE Z. 1078.4000		
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME					BLATT-NR.
								1+
								V. EL.

FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



DARSTELLUNG SEITE A  
VIEW ON SIDE A

FÜR DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR



200

150

100



**ACHTUNG: EGB!**  
ELEKTROSTATISCH GEFÄHRDETE  
BAUELEMENTE ERFORDERN EINE  
BESONDERE HANDHABUNG.  
**ATTENTION ESD!**  
ELECTROSTATIC SENSITIVE DEVICES  
REQUIRE A SPECIAL HANDLING

BINDENDE ANGABEN LIEBER VARIANTEN,  
TRIMMWERTE, BAUTEILWERTE UND  
NICHT BESTÜCKTE BAUTEILE SIEHE SA.

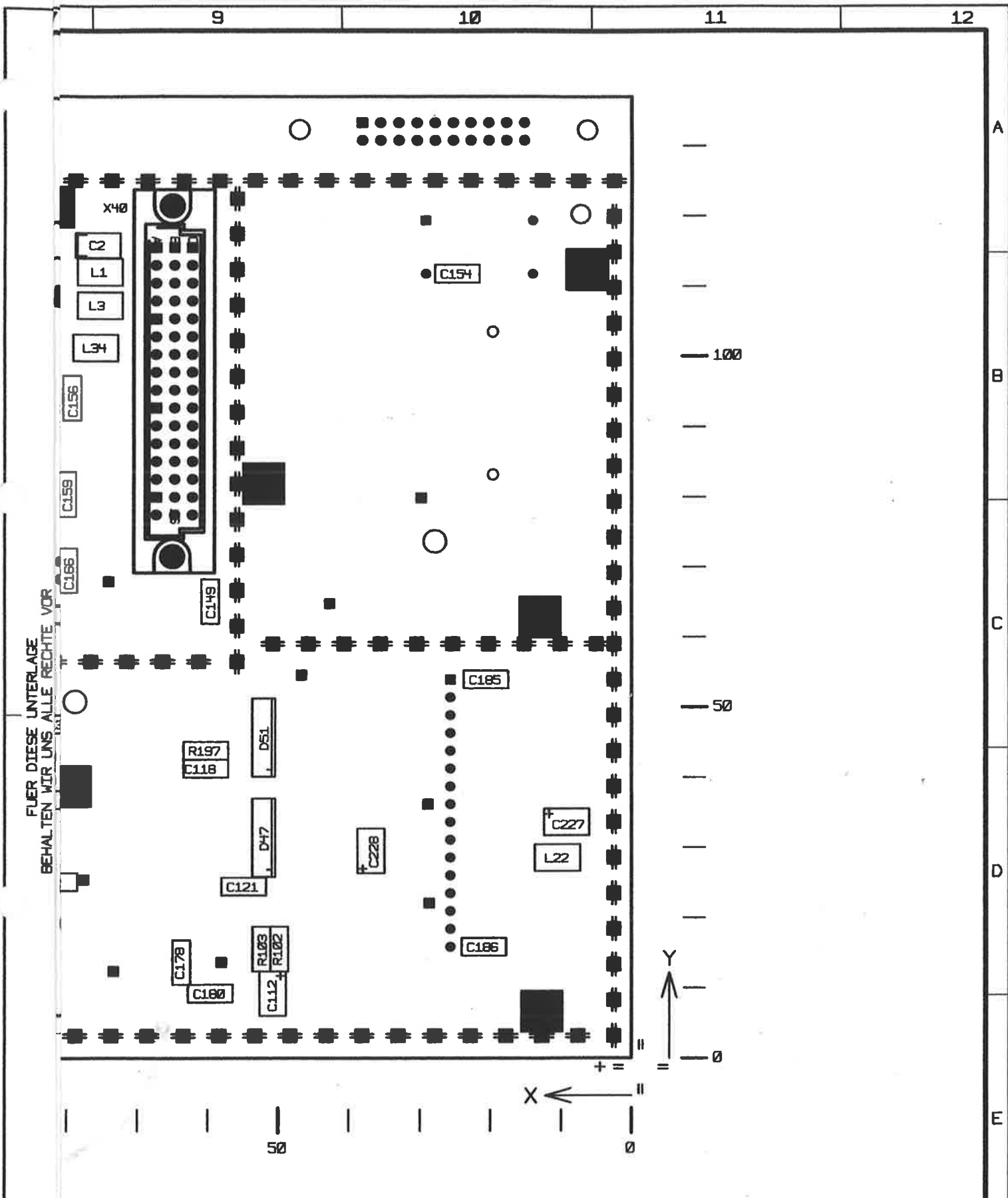
FOR BINDING INFORMATION ON MODELS,  
TRIMMING AND COMPONENTS VALUES AND  
NONFITTED COMPONENTS SEE PARTS LIST.

5

6

7

8



FUER DIESE UNTERLAGE  
BEHALTEN WIR UNS ALLE RECHTE VOR

06/01	50252	30.01.98	HO	1GPK	DATUM	NAME	BENENNUNG	
				BEARB.		HO	AES-BOARD	
				GEPR.		HO	-	
				NORM				
				PLDTT	02.02.98			
ROHDE&SCHWARZ							ZEICHN.-NR.	BLATT-NR.
ZU GERAET UPL-B2							1078.4100.01	2+
AEND. IND.	AENDERUNGS-MITTEILUNG	DATUM	NAME	REG.I.V. 1078.4000		ERSTE Z. 1078.4000		V. BL.

## XY-Liste

## XY List

### Erklärung der Spaltenbezeichnungen:

- Part:** Bauelement-Kennzeichen.
- Side:** Leiterplatten-Seite, auf der sich das Bauelement befindet.
- X/Y:** Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
- SQR, PG:** Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

### Explanation of column designations:

- Part:** Identification of instrument part.
- Side:** Side of the PC board on which instrument part is positioned.
- X/Y:** Coordinates (millimeter) of the component on the PC board in reference to zero point.
- SQR, PG:** Square and page of the diagram for the respective instrument part.

Service-Relevante Bauteile / Service-Relevant Components

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
P1	B	236	31	5A	4	P25	B	160	57	11C	7	W100	B	225	55	8C	4
P2	B	241	31	5A	4	P26	B	182	32	8A	7	W100	B	225	55	8C	4
P3	B	280	48	4A	5	R13	B	308	46	7A	5	W100	B	225	55	8D	4
P4	B	301	39	7A	5	R245	B	301	48	6A	5	W200	B	229	71	7D	6
P8	B	97	123	11A	9	R246	B	145	7	10B	10	X1	B	218	25	2A	4
P10	B	87	123	11B	9	R247	B	75	61	2B	2	X2	B	299	8	11E	5
P11	B	30	80	2B	9	R248	B	89	32	3B	10	X3	B	243	8	2D	4
P12	B	77	25	3A	10	R249	B	80	23	4A	8	X4	B	267	24	11A	5
P13	B	86	36	5A	10	R250	B	221	46	5B	4	X5	B	283	94	1A	6
P14	B	108	29	5B	10	R284	B	225	38	4A	4	X6	B	263	94	11B	6
P15	B	139	17	5C	10	R285	A	147	8	10C	10	X7	B	211	104	11C	6
P16	B	148	25	6D	10	W100	B	225	55	8C	4	X8	B	231	104	2C	6
P17	B	73	12	3A	8	W100	B	225	55	8D	4	X40	A	67	116	4B	2
P19	B	58	14	6A	8	W100	B	225	55	8C	4	X50	A	161	77	8A	2
P20	B	29	36	8A	8	W100	B	225	55	8C	4	X100	B	38	133	6A	2
P21	B	29	22	8C	8	W100	B	225	55	8C	4	X200	B	194	96	6C	2
P22	B	47	55	11A	8	W100	B	225	55	8C	4						

Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
1	B	287	20	10C	5	C26	A	149	87	8B	2	C56	B	77	6	6F	8
5	B	249	26	2C	4	C27	B	109	131	8C	2	C57	B	95	34	1A	10
6	B	249	21	2C	4	C28	A	155	92	8C	2	C58	A	101	35	1F	10
7	B	287	24	10C	5	C29	B	236	38	4E	4	C59	B	40	10	6F	8
B1	B	29	119	4C	9	C30	B	227	32	4F	4	C60	B	36	21	6E	8
C1	B	73	131	5A	2	C31	A	278	49	1F	5	C61	B	107	53	11E	8
C2	A	78	116	5B	2	C32	A	249	41	2F	5	C62	B	39	44	12B	8
C3	B	80	111	5A	2	C33	A	304	41	5F	5	C63	B	39	56	11C	8
C4	B	74	116	4B	2	C34	A	302	46	5F	5	C64	B	12	108	5F	3
C5	A	298	94	2A	6	C35	A	269	40	6F	5	C65	B	150	57	5E	9
C6	A	282	90	2B	6	C36	A	264	37	5F	5	C66	B	143	82	5E	9
C7	A	249	94	11B	6	C37	A	306	33	7F	5	C67	B	129	61	8F	7
C8	A	266	90	11C	6	C38	A	310	28	6F	5	C68	A	91	41	2A	10
C9	B	11	72	4A	9	C39	A	292	40	7F	5	C69	B	100	31	3B	10
C10	A	142	24	6D	10	C40	A	286	39	7F	5	C70	B	179	80	2E	10
C11	B	100	19	4B	8	C41	B	295	32	8B	5	C71	B	170	85	2F	10
C12	B	135	84	2D	7	C42	B	295	27	5D	5	C72	B	116	63	6F	7
C13	B	122	122	2B	7	C43	B	170	122	6F	2	C73	B	159	7	10B	7
C14	B	138	103	2C	7	C44	B	171	102	5F	2	C74	B	175	20	9B	7
C15	B	139	84	2D	7	C45	B	172	111	4F	2	C75	B	170	76	4E	10
C16	B	202	37	3D	4	C46	B	46	63	2E	9	C76	B	182	71	4F	10
C17	B	245	38	5E	4	C47	B	43	103	2E	9	C77	B	104	31	2E	10
C18	B	250	38	5E	4	C48	B	24	106	2E	9	C78	B	104	22	3F	10
C19	B	243	35	5F	4	C49	B	17	87	1E	9	C79	B	84	38	3E	10
C20	B	232	26	2E	4	C50	B	22	106	1E	9	C80	B	76	28	3F	10
C21	B	240	21	2F	4	C51	B	42	75	3E	9	C81	B	182	40	9E	7
C22	A	151	74	8A	2	C52	B	125	19	5E	10	C82	B	168	42	8D	7
C23	A	151	77	8A	2	C53	B	170	72	4E	10	C83	B	122	90	11E	7
C24	A	149	82	8B	2	C54	B	97	22	8F	8	C84	B	125	17	4E	10
C25	B	138	131	8B	2	C55	B	93	13	8F	8	C85	B	115	13	5F	10

ROHDE & SCHWARZ	-I	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
	03	05.02.96	ED AES-BOARD	1078.4100.01 XY	1+



Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C86	B	181	55	11E	7	C141	A	237	37	7F	4	C196	A	120	48	11A	7
C87	B	175	49	11E	7	C142	A	290	46	3F	5	C197	A	116	102	1F	7
C88	B	167	44	9D	7	C143	A	306	49	4F	5	C198	B	309	25	9C	5
C89	B	113	89	11B	7	C144	B	192	48	4D	4	C199	A	251	51	1D	5
C90	B	108	74	7F	7	C145	B	303	50	6B	5	C200	A	297	33	8F	5
C91	B	134	71	8E	7	C146	B	195	48	4E	4	C201	A	294	34	8F	5
C92	B	240	33	5C	4	C147	B	284	38	9A	5	C202	B	46	90	1D	9
C93	B	160	59	11C	7	C148	B	206	44	5D	4	C203	A	155	50	7F	9
C94	B	57	16	6C	8	C149	A	60	67	4F	2	C204	A	157	46	8F	9
C95	B	182	29	8B	7	C150	A	196	44	6E	4	C205	B	51	118	6F	9
C96	B	44	115	4C	9	C151	A	204	51	6F	4	C206	B	39	121	7F	9
C97	B	33	80	2D	9	C152	B	72	97	4B	2	C207	A	120	55	7F	7
C98	B	152	22	6E	10	C153	A	95	102	1E	9	C208	A	120	51	7F	7
C99	B	141	18	6F	10	C154	A	27	112	4C	9	C209	A	122	45	10A	7
C100	B	138	19	5E	10	C155	A	104	103	5F	9	C210	B	9	76	3A	9
C101	B	130	13	5F	10	C156	A	79	96	5F	9	C212	A	211	40	4B	4
C102	B	127	7	6E	10	C157	A	90	85	4F	9	C213	B	236	19	4C	4
C103	B	95	53	2F	8	C158	B	291	90	2A	6	C214	A	302	35	8F	5
C104	B	137	57	9E	10	C159	A	80	82	4F	9	C215	B	272	56	2F	5
C105	B	134	13	6F	10	C160	B	266	70	1E	6	C216	B	285	54	3F	5
C106	B	139	55	8E	10	C161	B	214	88	2E	6	C217	A	196	55	2D	5
C107	B	72	53	3F	8	C162	B	237	72	6E	6	C218	B	18	72	4A	9
C108	B	55	39	4F	8	C163	B	254	72	9B	6	C219	A	200	59	2D	5
C109	B	54	53	4F	8	C164	B	258	68	10B	6	C220	A	140	43	7F	10
C110	B	68	42	5F	8	C165	A	91	71	3F	9	C221	A	150	43	7F	10
C111	B	135	45	7E	10	C166	A	80	71	2F	9	C222	A	295	27	7D	5
C112	A	51	11	1F	8	C167	B	39	80	3A	9	C223	B	306	38	7C	5
C113	B	45	11	2F	8	C168	B	208	98	10C	6	C224	B	9	78	3B	9
C114	B	135	33	8E	10	C169	B	284	90	2B	6	C225	B	139	62	10C	7
C115	A	203	21	2A	4	C170	B	246	69	3E	6	C226	A	152	30	7C	10
C116	A	219	21	2B	4	C171	B	235	97	5D	6	C227	A	11	34	10A	8
C117	A	123	31	1F	3	C172	B	231	93	5D	6	C228	A	37	28	9C	8
C118	A	59	41	2F	3	C173	B	277	72	4A	6	C229	B	31	7	7A	8
C119	A	157	57	2F	3	C174	B	208	83	8E	6	C230	B	50	24	7C	8
C120	B	70	29	3F	3	C175	B	39	77	3A	9	C231	B	254	43	2D	5
C121	A	57	24	4F	3	C176	B	27	66	4A	9	C232	B	50	103	5B	2
C122	B	12	96	6F	3	C177	B	149	35	7C	10	C233	B	294	37	8B	5
C123	A	148	74	4F	3	C178	A	64	15	7F	8	C234	B	294	30	5D	5
C124	A	101	76	5F	3	C179	B	223	101	3D	6	C235	B	9	70	3B	9
C125	A	279	20	10A	5	C180	A	61	9	7E	8	C236	B	18	66	4B	9
C126	A	266	21	10B	5	C181	B	35	7	7A	8	C237	B	182	45	10D	7
C127	B	23	66	4B	9	C182	B	142	39	4C	10	C238	B	142	62	10C	7
C128	A	299	14	10E	5	C183	B	32	20	7C	8	C239	B	200	37	3D	4
C129	B	256	59	1D	5	C184	B	44	24	7B	8	C240	B	261	48	2D	5
C130	B	262	54	1C	5	C185	A	19	54	9A	8	C241	B	142	27	4D	10
C131	B	148	97	3E	7	C186	A	23	16	9A	8	C242	A	149	18	6D	10
C132	B	140	121	3C	7	C187	B	34	21	9C	8	C243	A	125	66	8C	7
C133	A	207	24	2A	4	C188	A	115	119	1F	7	C244	A	123	62	8C	7
C134	A	211	29	2A	4	C189	A	149	103	5F	7	C245	B	78	106	3F	9
C135	A	244	26	3C	4	C190	A	104	118	2F	7	C246	A	150	115	6F	7
C136	A	242	38	6C	4	C191	A	149	111	6F	7	C247	B	155	101	5F	7
C137	A	231	39	1E	4	C192	A	174	25	11A	7	C248	A	134	108	3F	7
C138	A	234	12	2D	4	C193	A	177	30	11A	7	C249	A	134	118	3F	7
C139	A	215	48	3F	4	C194	A	176	34	9B	7	C250	A	134	99	4F	7
C140	A	218	42	3F	4	C195	A	160	23	11B	7	C251	A	134	89	4F	7

ROHDE & SCHWARZ	-I	Datum Date	XY-Liste f>r XY-list for	Sach-Nummer Stock-Nr	Blatt Page
		03 05.02.96	ED AES-BOARD	1078.4100.01 XY	2+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C252	B	294	34	8B	5	D11	B	130	43	3C	10	D29	B	250	33	7A	4
C253	B	294	29	6D	5	D11	B	130	43	3C	10	D30	B	179	67	8B	10
C254	A	259	31	8E	5	D11	B	130	43	7F	10	D30	B	179	67	8A	10
C255	B	271	39	8C	5	D12	B	130	30	8F	10	D30	B	179	67	8A	10
C256	A	95	119	2E	9	D12	B	130	30	3D	10	D30	B	179	67	8B	10
C257	B	145	62	11C	7	D12	B	130	30	3D	10	D30	B	179	67	4E	10
C258	B	21	11	7B	8	D13	B	121	65	8C	7	D31	B	117	17	5A	10
C259	B	140	63	10C	7	D13	B	121	65	7E	7	D31	B	117	17	5B	10
C260	A	132	8	6C	10	D13	B	121	65	7F	7	D31	B	117	17	5B	10
C261	B	143	63	10C	7	D14	B	102	72	7C	7	D31	B	117	17	5B	10
C262	A	84	104	6E	7	D14	B	102	72	7F	7	D31	B	117	17	5E	10
C263	B	293	48	4E	5	D14	B	102	72	8C	7	D32	B	179	37	9D	7
C264	B	298	41	4E	5	D15	A	86	89	6E	7	D32	B	179	37	10C	7
C265	B	311	34	8C	5	D15	A	86	89	4D	7	D32	B	179	37	10D	7
C266	B	73	60	2B	2	D16	B	299	48	4E	5	D32	B	179	37	10D	7
C267	A	234	16	3D	4	D16	B	299	48	6A	5	D32	B	179	37	10D	7
C268	A	296	18	10E	5	D17	B	142	54	8E	10	D33	B	84	53	3A	8
C501	B	205	125	2B	11	D17	B	142	54	10D	10	D33	B	84	53	3F	8
C502	B	205	132	2B	11	D17	B	142	54	11D	10	D34	B	149	32	7D	10
C503	B	223	132	2B	11	D17	B	142	54	11C	10	D35	B	34	30	9C	8
C504	B	223	125	2C	11	D17	B	142	54	11C	10	D36	B	64	53	4D	8
C511	B	293	122	2B	11	D18	B	33	54	10C	8	D36	B	64	53	3F	8
C512	B	293	135	2B	11	D18	B	33	54	12D	8	D37	B	77	85	8D	9
C513	B	310	135	2B	11	D18	B	33	54	11B	8	D37	B	77	85	8B	9
C514	B	310	122	2C	11	D18	B	33	54	10B	8	D37	B	77	85	8E	9
D1	B	62	60	2B	2	D18	B	33	54	10B	8	D37	B	77	85	8D	9
D1	B	62	60	4F	2	D19	B	104	112	2F	7	D37	B	77	85	4F	9
D2	B	30	85	1D	9	D19	B	104	112	2B	7	D38	B	173	117	10C	2
D2	B	30	85	2A	9	D19	B	104	112	2B	7	D38	B	173	117	6F	2
D3	B	174	107	11B	2	D19	B	104	112	2A	7	D39	B	64	40	3C	8
D3	B	174	107	10B	2	D19	B	104	112	2A	7	D39	B	64	40	5F	8
D3	B	174	107	11B	2	D20	B	26	54	9A	8	D40	B	49	36	2C	8
D3	B	174	107	10B	2	D21	B	129	58	2C	10	D40	B	49	36	4F	8
D3	B	174	107	10B	2	D21	B	129	58	8D	10	D41	B	49	50	2D	8
D3	B	174	107	11B	2	D21	B	129	58	9E	10	D41	B	49	50	5F	8
D3	B	174	107	5F	2	D22	B	174	96	10D	2	D42	B	87	92	10A	9
D4	B	127	89	2E	7	D22	B	174	96	10D	2	D42	B	87	92	1F	9
D4	B	127	89	4F	7	D22	B	174	96	5F	2	D43	B	87	110	10B	9
D5	B	127	108	2C	7	D22	B	174	96	11A	2	D43	B	87	110	2F	9
D5	B	127	108	3F	7	D22	B	174	96	10A	2	D44	B	117	29	1F	3
D6	B	99	52	2A	8	D22	B	174	96	10B	2	D44	B	117	29	5B	3
D6	B	99	52	2B	8	D22	B	174	96	11B	2	D45	A	160	58	3F	3
D6	B	99	52	2B	8	D23	B	118	88	5C	7	D45	A	160	58	2D	3
D6	B	99	52	10D	8	D23	B	118	88	12E	7	D46	B	7	93	6F	3
D6	B	99	52	10E	8	D23	B	118	88	8E	7	D46	B	7	93	9C	3
D6	B	99	52	12E	8	D24	A	269	49	1F	5	D47	A	49	27	4F	3
D6	B	99	52	10E	8	D24	A	269	49	3A	5	D47	A	49	27	5D	3
D7	B	104	99	10D	9	D25	A	246	50	3D	5	D48	A	95	78	3B	3
D7	B	104	99	6F	9	D25	A	246	50	2F	5	D48	A	95	78	5F	3
D8	B	138	79	6D	9	D27	B	87	85	6D	7	D49	B	64	26	3D	3
D8	B	138	79	5E	9	D27	B	87	85	8C	9	D49	B	64	26	3F	3
D9	B	154	59	4D	9	D27	B	87	85	4F	9	D50	A	136	70	6B	3
D9	B	154	59	5E	9	D28	B	108	33	1E	10	D50	A	136	70	4F	3
D10	B	7	105	9B	3	D28	B	108	33	2B	10	D51	A	49	41	2F	3
D10	B	7	105	6F	3	D29	B	250	33	5E	4	D51	A	49	41	6D	3

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
D52	B	88	72	7C	9	D70	B	51	65	3D	9	L42	B	18	69	4A	9
D52	B	88	72	3F	9	D70	B	51	65	6A	9	L43	A	87	119	2E	9
D53	B	77	72	2F	9	D71	B	77	97	5D	7	L44	A	87	102	1E	9
D53	B	77	72	7B	9	D71	B	77	97	5D	7	L45	B	139	67	10C	7
D54	A	227	41	7B	4	D71	B	77	97	4D	7	L46	B	140	58	10C	7
D54	A	227	41	1E	4	D71	B	77	97	8D	9	N1	B	229	37	4E	4
D55	B	165	10	10B	7	D71	B	77	97	5F	9	N1	B	229	37	5A	4
D55	B	165	10	6A	7	D72	B	170	18	6B	7	N2	B	234	22	5C	4
D56	B	106	89	11B	7	D72	B	170	18	6B	7	N2	B	234	22	2E	4
D56	B	106	89	6C	7	D72	B	170	18	9A	7	N3	B	306	46	6A	5
D57	B	275	70	1E	6	D72	B	170	18	9A	7	N3	B	306	46	5F	5
D57	B	275	70	4A	6	D72	B	170	18	10B	7	N4	B	292	36	7F	5
D58	B	217	83	5B	6	K1	B	255	39	9C	5	N4	B	292	36	8A	5
D58	B	217	83	5A	6	K1	B	255	39	8E	5	N5	B	77	34	3E	10
D58	B	217	83	5C	6	L1	A	73	112	4B	2	N5	B	77	34	3A	10
D58	B	217	83	5C	6	L2	B	66	131	4A	2	N5	B	77	34	4A	10
D58	B	217	83	2E	6	L3	A	73	107	4A	2	N6	B	100	28	3E	10
D59	B	251	71	3E	6	L4	B	12	78	3A	9	N6	B	100	28	4B	10
D59	B	251	71	9B	6	L5	A	144	31	7C	10	N6	B	100	28	3B	10
D60	B	223	95	4D	6	L6	B	157	75	8A	2	N7	B	177	85	2E	10
D61	B	34	75	5A	9	L7	B	157	79	8A	2	N7	B	177	85	11A	10
D61	B	34	75	7E	9	L8	B	253	46	2D	5	N7	B	177	85	7B	10
D61	B	34	75	7D	9	L9	A	208	55	2C	5	N8	B	309	33	6F	5
D61	B	34	75	3D	9	L10	B	157	83	8B	2	N8	B	309	33	8C	5
D61	B	34	75	3C	9	L11	B	152	131	8B	2	N9	B	269	36	6F	5
D62	B	82	9	6F	8	L12	B	157	88	8B	2	N9	B	269	36	8B	5
D62	B	82	9	4B	8	L13	B	125	131	8B	2	N10	B	280	56	3E	5
D62	B	82	9	4C	8	L14	B	157	91	8C	2	N11	B	89	41	1A	10
D63	B	34	42	11C	8	L15	A	208	59	2C	5	N12	B	155	46	7F	9
D63	B	34	42	8D	8	L16	A	143	39	7E	10	N13	B	48	11	1F	8
D63	B	34	42	10C	8	L17	A	151	39	7E	10	N14	B	42	122	6F	9
D64	B	165	26	11B	7	L18	B	70	8	6E	8	N15	B	204	44	4D	4
D64	B	165	26	7A	7	L19	B	118	55	7E	7	N15	B	204	44	6E	4
D64	B	165	26	7B	7	L20	A	105	39	1E	10	N15	B	204	44	4D	4
D65	B	115	112	1F	7	L21	B	118	51	7E	7	N16	B	146	111	6F	7
D65	B	115	112	4A	7	L22	A	12	29	10A	8	N17	B	146	104	5F	7
D65	B	115	112	4B	7	L23	B	73	101	4A	2	N18	B	117	48	10A	7
D66	B	116	99	2F	7	L24	B	36	28	10B	8	N19	B	215	42	5B	4
D66	B	116	99	4B	7	L25	A	242	12	2D	4	N19	B	215	42	8E	4
D66	B	116	99	4C	7	L26	A	292	14	10D	5	N19	B	215	42	3E	4
D67	A	297	49	4F	5	L27	B	253	50	2D	5	N20	B	135	7	10A	10
D67	A	297	49	4B	5	L28	B	208	75	8E	6	N20	B	135	7	11B	10
D67	A	297	49	4B	5	L29	B	238	68	6E	6	N20	B	135	7	6E	10
D67	A	297	49	4B	5	L30	B	241	90	5D	6	N21	B	92	19	8E	8
D67	A	297	49	4A	5	L31	B	51	89	4B	2	N21	B	92	19	5A	8
D68	A	284	49	3F	5	L32	B	35	117	4B	9	N21	B	92	19	4A	8
D68	A	284	49	4C	5	L33	B	46	96	1D	9	N22	B	36	13	6E	8
D68	A	284	49	4C	5	L34	A	78	101	3E	9	N22	B	36	13	7C	8
D68	A	284	49	4C	5	L35	A	142	118	3E	7	N22	B	36	13	7B	8
D68	A	284	49	4D	5	L36	A	142	108	3E	7	N23	B	179	51	11E	7
D69	B	302	28	8F	5	L37	A	142	89	4E	7	N23	B	179	51	11D	7
D69	B	302	28	7B	5	L38	A	142	99	4E	7	N23	B	179	51	11C	7
D69	B	302	28	7C	5	L39	B	107	60	8C	7	N24	B	145	22	6E	10
D69	B	302	28	5D	5	L40	B	125	73	8C	7	N24	B	145	22	5D	10
D69	B	302	28	8D	5	L41	B	11	69	4A	9	N25	B	67	11	7E	8

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
N25	B	67	11	5B	8	R36	A	128	21	3D	10	R91	B	112	121	3B	7
N26	B	174	31	8A	7	R37	A	128	35	3C	10	R92	B	110	121	3A	7
N26	B	174	31	11A	7	R38	A	128	38	3C	10	R93	B	106	109	3B	7
N27	B	130	19	5E	10	R39	A	128	24	3D	10	R94	A	203	30	3A	4
N27	B	130	19	4D	10	R40	A	128	26	2D	10	R95	A	203	33	3A	4
N28	B	130	67	8E	7	R41	A	131	40	2C	10	R96	B	292	42	8A	5
N28	B	130	67	9C	7	R42	A	131	58	1D	10	R97	B	279	78	4A	6
N29	B	237	41	6C	4	R43	A	131	47	2D	10	R98	B	278	74	4A	6
N29	B	237	41	7F	4	R44	A	128	51	8C	10	R99	B	265	75	4A	6
P5	B	126	14	6B	10	R45	A	131	55	8D	10	R100	B	218	50	8F	4
P6	B	43	65	5B	9	R46	A	147	49	11D	10	R101	B	230	44	7B	4
P7	B	99	90	10A	9	R47	A	143	50	11C	10	R102	A	50	17	1E	8
P9	B	92	107	10B	9	R48	A	99	93	4D	7	R103	A	52	17	1E	8
P18	B	86	11	4C	8	R49	B	151	30	7D	10	R104	B	232	45	7B	4
P23	B	120	121	2B	7	R50	A	86	29	4A	10	R105	B	226	43	7C	4
P24	B	133	84	2D	7	R51	B	299	57	5B	5	R106	B	230	48	7C	4
P27	B	74	68	5D	8	R52	B	309	55	5B	5	R107	A	123	34	4A	3
P28	B	231	76	8D	6	R53	B	299	55	5A	5	R108	B	228	42	7C	4
P29	B	263	42	9B	5	R54	B	97	28	4B	10	R109	B	230	45	7C	4
P30	B	276	43	9B	5	R55	B	71	70	2B	2	R110	B	280	51	4A	5
P31	B	127	32	4C	2	R56	A	171	91	6B	10	R111	B	246	51	2D	5
R1	B	309	48	7A	5	R57	B	92	35	3B	10	R112	B	237	51	3A	5
R2	B	71	72	2E	2	R58	B	269	59	2E	5	R113	B	249	45	2D	5
R3	B	71	76	2E	2	R59	B	266	56	2E	5	R114	B	232	50	2B	5
R4	B	160	54	7E	9	R60	B	37	65	5A	9	R115	B	177	92	10A	2
R5	B	71	74	2D	2	R61	B	294	55	5C	5	R116	B	182	87	10B	2
R6	B	71	78	2D	2	R62	A	80	25	4A	10	R117	B	228	50	7C	4
R7	B	71	82	3D	2	R63	B	114	75	7E	7	R118	B	171	104	10B	2
R8	A	158	54	7E	9	R64	B	241	51	2A	5	R119	B	171	93	10B	2
R9	B	52	115	6E	9	R65	B	243	51	2B	5	R120	B	171	100	10C	2
R10	B	52	112	6E	9	R66	B	230	51	2B	5	R121	B	171	115	10C	2
R11	A	122	42	10A	7	R67	B	248	51	3A	5	R122	B	170	118	11C	2
R12	A	122	39	10A	7	R68	B	182	75	9B	10	R123	B	172	113	10D	2
R14	B	289	60	4D	5	R69	B	138	9	10A	10	R124	B	73	84	8D	9
R15	B	229	31	4A	4	R70	B	170	79	11A	10	R125	B	73	86	8E	9
R16	A	217	37	3B	4	R71	A	177	91	7B	10	R126	B	82	101	4D	7
R17	B	199	36	3D	4	R72	B	95	46	2A	8	R127	B	96	70	8C	9
R18	B	199	34	3E	4	R73	B	175	57	11D	7	R128	B	106	107	10E	9
R19	B	294	60	4C	5	R74	B	174	57	11C	7	R129	B	112	96	10E	9
R20	B	42	71	6A	9	R75	A	138	22	4D	10	R130	B	112	107	10E	9
R21	B	30	62	5A	9	R76	A	132	17	5C	10	R131	B	78	74	7B	9
R22	B	28	64	5B	9	R77	A	125	62	9C	7	R132	B	80	74	7B	9
R23	B	209	44	5D	4	R78	A	132	67	9B	7	R133	B	88	74	7C	9
R24	B	171	91	8C	2	R79	B	304	38	7C	5	R134	B	96	65	7D	9
R25	B	171	89	8C	2	R80	A	242	20	3C	4	R135	B	99	86	6D	7
R26	B	171	87	8C	2	R81	A	244	20	3C	4	R136	B	236	34	5A	4
R27	B	171	95	8D	2	R82	A	293	26	10C	5	R137	B	43	90	1B	9
R28	B	171	97	8D	2	R83	A	293	23	10C	5	R138	B	43	97	1B	9
R29	B	171	98	8D	2	R84	B	154	116	5E	7	R139	B	194	48	4D	4
R30	B	171	106	8E	2	R85	B	154	114	6E	7	R140	B	197	48	4E	4
R31	B	87	33	3A	10	R86	B	157	96	4E	7	R141	B	22	79	1B	9
R32	B	138	11	6C	10	R87	B	157	99	5E	7	R142	B	208	44	5D	4
R33	B	89	90	4D	7	R88	B	71	80	2E	2	R143	B	202	42	5D	4
R34	A	143	10	11B	10	R89	B	108	121	3A	7	R144	B	15	90	1C	9
R35	A	150	52	10D	10	R90	B	93	44	2A	8	R145	A	193	48	6E	4

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R146	A	207	51	6F	4	R201	B	108	51	10E	8	R262	B	139	36	4C	10
R147	B	43	69	7D	9	R202	B	44	47	10B	8	R263	B	142	22	4D	10
R148	B	43	73	7E	9	R203	B	29	43	10C	8	R264	B	144	24	6D	10
R149	B	30	49	11D	8	R204	B	44	41	8D	8	R265	B	124	65	9C	7
R150	B	30	47	11D	8	R205	B	42	37	8D	8	R266	B	124	63	9C	7
R151	B	82	45	3B	8	R206	B	42	53	10D	8	R267	A	211	37	3B	4
R152	B	93	48	3B	8	R207	B	17	99	9B	3	R268	B	294	35	8B	5
R153	B	42	35	2C	8	R208	B	17	92	9C	3	R269	B	292	30	6D	5
R154	B	233	101	3C	6	R209	B	146	78	6E	9	R270	A	142	18	5D	10
R155	B	227	101	3D	6	R210	B	110	109	2A	7	R271	B	88	87	8B	9
R156	B	224	75	6B	6	R211	B	106	122	2A	7	R272	B	102	123	11A	9
R157	B	226	76	6B	6	R212	B	162	40	7A	7	R273	B	92	123	11B	9
R158	B	222	76	6C	6	R213	B	162	42	7A	7	R274	B	156	64	5D	9
R159	B	220	75	6C	6	R214	B	171	8	5B	7	R275	B	130	76	6D	9
R160	B	218	76	6C	6	R215	B	171	20	5B	7	R276	B	60	7	7E	8
R161	B	254	67	10B	6	R216	B	111	67	7D	7	R277	B	58	18	7F	8
R162	B	211	76	8B	6	R217	B	111	65	7B	7	R278	B	42	11	7F	8
R163	B	213	75	8B	6	R218	B	111	69	7B	7	R279	B	39	21	6E	8
R164	B	42	39	2C	8	R219	B	111	72	7D	7	R280	A	280	94	2A	6
R165	B	42	49	2D	8	R220	B	111	70	7D	7	R281	A	267	31	10B	5
R166	B	215	76	8C	6	R221	B	98	69	7D	7	R282	A	301	24	9C	5
R167	B	216	75	8C	6	R222	B	174	8	9B	7	R283	A	302	21	9D	5
R168	B	42	51	2D	8	R223	B	164	7	6A	7	R286	B	244	46	6B	4
R169	B	256	87	11B	6	R224	B	161	5	6A	7	R287	B	297	55	5B	5
R170	A	270	94	11B	6	R225	B	107	91	6C	7	R288	B	308	36	7C	5
R171	B	262	87	11B	6	R226	B	115	87	6C	7	R289	B	27	69	4A	9
R172	B	254	75	8B	6	R227	B	128	82	7E	7	R290	A	256	31	9B	5
R173	B	246	82	8B	6	R228	B	115	78	5C	7	R291	B	46	14	6B	8
R174	B	211	92	10C	6	R229	B	113	85	5C	7	R292	B	46	16	6C	8
R175	A	290	81	2A	6	R230	B	128	80	7D	7	R293	B	39	24	9C	8
R176	B	211	97	10C	6	R231	B	128	84	7E	7	R294	B	299	39	7B	5
R177	B	234	93	5D	6	R232	B	179	14	9A	7	R295	B	295	38	8B	5
R178	A	290	78	3A	6	R233	B	117	122	4A	7	R296	A	297	30	7D	5
R179	B	294	73	4A	6	R234	B	119	107	4C	7	R297	A	304	30	7D	5
R180	B	283	72	4B	6	R235	B	115	94	4B	7	R298	B	305	35	8C	5
R181	B	228	76	6A	6	R236	B	262	39	9C	5	R299	B	35	80	3B	9
R182	B	229	101	2C	6	R237	B	231	31	5B	4	R300	B	240	19	4C	4
R183	B	231	101	2C	6	R238	B	240	23	5C	4	R301	B	236	36	5C	4
R184	B	72	48	4D	8	R239	B	289	42	9A	5	R302	B	238	39	6C	4
R185	B	108	24	4B	10	R240	B	268	42	9B	5	R303	B	243	38	6B	4
R186	B	72	40	3C	8	R241	B	311	28	9C	5	R304	B	273	40	7C	5
R187	B	87	14	4B	8	R242	B	241	23	4C	4	R305	B	73	16	5B	8
R188	B	87	9	4B	8	R243	B	12	81	3B	9	R306	B	82	20	5C	8
R189	B	97	13	5A	8	R244	B	25	66	4B	9	R307	B	72	15	5C	8
R190	B	88	18	5A	8	R251	B	291	55	5C	5	R308	B	65	9	5B	8
R191	B	76	23	4A	8	R252	B	289	51	4C	5	R309	B	71	12	5C	8
R192	B	87	28	4B	8	R253	B	286	60	4C	5	R310	B	27	11	7B	8
R193	B	108	11	4A	8	R254	B	307	55	5B	5	R311	B	34	14	7C	8
R194	B	38	10	6A	8	R255	B	302	60	4B	5	R312	B	137	120	3C	7
R195	A	104	76	3A	3	R256	B	309	60	4B	5	R313	B	146	96	3E	7
R196	A	143	68	6A	3	R257	A	234	34	7E	4	R314	B	182	48	10D	7
R197	A	62	44	3D	3	R258	A	256	36	7E	5	R315	A	172	122	11C	2
R198	B	42	21	6C	8	R259	B	304	55	5B	5	R316	B	173	33	8A	7
R199	B	108	46	10D	8	R260	B	304	60	4B	5	R317	B	169	33	8A	7
R200	B	108	49	10E	8	R261	B	302	55	5B	5	R318	B	169	30	8B	7

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R319	B	170	29	8B	7	R345	A	83	91	4E	7	V3	A	177	89	7B	10
R320	B	165	36	8A	7	R346	A	83	94	3E	7	V4	A	143	27	6D	10
R321	B	230	40	3D	4	R347	A	174	122	11C	2	V5	B	194	36	3D	4
R322	A	136	10	11B	10	R348	A	178	122	11C	2	V5	B	194	36	3D	4
R323	B	137	63	9C	7	R349	B	273	37	8B	5	V6	B	31	18	8C	8
R324	B	182	34	8A	7	R350	B	311	31	8C	5	V7	B	24	8	8B	8
R325	B	306	48	6A	5	R351	B	36	107	4C	9	V8	B	77	18	5C	8
R326	A	282	31	10A	5	R352	A	285	22	6D	5	V9	B	159	36	7A	7
R327	A	280	31	10A	5	R353	A	288	36	6D	5	V10	B	194	39	3E	4
R328	A	274	31	10B	5	R354	B	147	58	11C	7	V10	B	194	39	4E	4
R329	A	276	31	10B	5	R355	B	128	10	6C	10	V11	B	194	31	3E	4
R330	A	128	29	4D	10	R356	B	45	19	6A	8	V11	B	194	31	4E	4
R331	A	103	71	8C	7	R357	B	171	42	11D	7	V12	B	296	71	3A	6
R332	B	278	80	4B	6	R358	B	142	34	4C	10	V13	B	280	69	3B	6
R333	B	297	60	4A	5	R359	B	139	24	4D	10	V14	B	239	101	3C	6
R334	B	234	51	2E	5	R360	B	52	14	6A	8	V15	B	218	97	3D	6
R335	B	42	55	11B	8	R361	A	172	115	11D	2	V16	B	206	92	10C	6
R336	B	118	94	3D	7	R362	A	174	115	11D	2	V17	A	118	68	8C	7
R337	B	139	122	3C	7	R363	A	178	115	11D	2	V18	B	226	36	4A	4
R338	B	27	80	3B	9	T1	B	207	35	4A	4	V19	B	211	45	4B	4
R339	A	294	11	11D	5	T2	B	291	20	9C	5	V20	B	231	24	4C	4
R340	A	203	27	3A	4	T3	B	275	28	9A	5	V21	B	245	41	5C	4
R341	A	139	15	5D	10	T5	B	285	84	3A	6	V23	A	136	31	4D	10
R342	A	222	25	2A	4	T6	B	257	84	10B	6	V24	B	40	110	4C	9
R343	B	223	39	4A	4	V1	B	234	43	5C	4	V25	A	285	30	7D	5
R344	B	99	12	5A	8	V2	B	259	34	8E	5						

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VARO2=GRUNDAUSFUEHRUNG MODO2=BASIC_MODEL					
1	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
5	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
6	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
7	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
B1	EO 49,152MHZ-QU.OSZ 5V CLOCK OSCILLATOR	1030.8541.00	PHILIPS	X05850 49,152 MHZ		
C1	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
C2	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C3	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C4	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS		
C5	CC 47 PF+-5%500V NPO1206 CERAMIC CHIP CAPACITOR	0007.8720.00	VITRAMON	VJ1206 A470J XET		
..8	C9	CC 22PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8396.00	VITRAMON	VJ1206A 220F FA	
C10	CC 680PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7375.00	VITRAMON	VJ1206 A 681 F AT		
C11	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT		
..15	C16	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C17	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT		
..21	C22	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C23	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C24	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T		
C25	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
C26	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T		
..28	C29	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C30	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT		
C31	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
..40	C41	CC 1,0PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJ0603A *** BXAT	
C42	CC 1,0PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJ0603A *** BXAT		
C43	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT		
..56	C57	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C58	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C59	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT		
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C60	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C61	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C68	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C69	CC 12PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8256.00	VITRAMON	VJO603A *** FXAT	
C70	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C92	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C93	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C94	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJO603A *** FXAT	
C95	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJO603A *** FXAT	
C96	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C97	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C108	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C109	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C110	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C111	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C112	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C113	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C114	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C115	CC 47PF+-1%50V COG 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	VITRAMON	VJ1206 A 470 F AT	
C116	CC 47PF+-1%50V COG 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0099.8496.00	VITRAMON	VJ1206 A 470 F AT	
C117	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C118	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C119	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C120	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C121	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C122	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C123	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C124	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C125	CC 47PF+-1%50V COG 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	VITRAMON	VJ1206 A 470 F AT	
C128	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C129	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C130	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C131	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5195.00	VITRAMON	VJ 1206 Y 473 K XAT	
C132	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C133	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C138	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C139	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C144	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJO603Y***KXAT	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C145	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C146	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJ0603Y***KXAT	
C147	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C148	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C149	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..152	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C153	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C154	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..161	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C162	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C163	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C164	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT	
C165	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C166	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C167	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C168	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C169	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C170	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C171	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C172	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C173	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJ0603A *** BXAT	
C174	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C175	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C176	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C177	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C178	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..181	CC 1,2NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7400.00	VITRAMON	VJ1206 A 122 F FAT	
C182	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C183	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C184	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..186	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C187	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..201	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C202	CC 2,2PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8171.00	VITRAMON	VJ1206 A 2R2 C AT	
..209	CC 4,7PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	VITRAMON	VJ1206 A 4R7 C AT	
C210	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJ0603A *** BXAT	
C212	NICHT BESTUECKT NOT FITTED				
C213	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C214	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C215	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
..217	CC 6,8PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8236.00	VITRAMON	VJ1206 A 6R8 C AT	
C218	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C219	CE 1UF +-10% 10V 1206 TANTALUM-SMD-CAPACITOR	CE 0007.7252.00	VALVO	2222 195 65108	
C220					

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C221	CE 1UF +-10% 10V 1206 TANTALUM-SMD-CAPACITOR	CE 0007.7252.00	VALVO	2222 195 65108	
C222	CC 1,0PF 500V NPO 1206 CERAMIC CHIP CAPACITOR	0007.8613.00	VITRAMON	VJ1206A1ROCKET	
C223	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJO603A *** BXAT	
C224	CC 56PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8809.00	VITRAMON	VJ1206 A 560 F AT	
C225	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4767.00	VITRAMON	VJO603Y***KXAT	
C226	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
..228 C229	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C230	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C231	CE 1UF +-10% 10V 1206 TANTALUM-SMD-CAPACITOR	CE 0007.7252.00	VALVO	2222 195 65108	
C232	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C233	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJO603A *** FXAT	
C234	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJO603A *** FXAT	
C235	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	VITRAMON	VJ1206 A 820 F AT	
C236	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	VITRAMON	VJ1206 A 820 F AT	
C237	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJO603Y***KXAT	
C238	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4767.00	VITRAMON	VJO603Y***KXAT	
C239	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJO603Y***KXAT	
C240	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C241	CC 1,2NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7400.00	VITRAMON	VJ1206 A 122 F FAT	
C242	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C243	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C244	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C245	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C246	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C247	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C248	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C249	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
..251 C252	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJO603A *** FXAT	
C253	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJO603A *** FXAT	
C254	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C255	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJO603A *** FXAT	
C256	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C257	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4767.00	VITRAMON	VJO603Y***KXAT	
C258	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C259	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJO603A *** FXAT	
C260	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8780.00	VITRAMON	VJ1206 A330F AT	
C261	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJO603A *** FXAT	
C262	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C263	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C264	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C265	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8304.00	VITRAMON	VJ0603A *** BXAT	
C266	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C267	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C268	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C501	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	VITRAMON	VJ1206 A 101 F AT	
C511	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	VITRAMON	VJ1206 A 101 F AT	
D1	BL PC74HC138T LINE DECOD LINE DECODER	BL 0007.3534.00	PHILIPS SE	74HC138D	
D2	BL AD7008 DDS MODULATOR IC MODULATOR	1078.3410.00	ANALOG DEV	AD7008JP50	
D3	BL PC74HCT04T 6XINVERT HEXINVERTER	BL 0007.5372.00	PHILIPS SE	74HCT04D	
D4	BJ CS8411 DIG AUDIO IFRX IC DIGITAL AUDIO IF RX	1078.4398.00	CRYSTAL-SE	CS8411-CS	
D5	BJ CS8411 DIG AUDIO IFRX IC DIGITAL AUDIO IF RX	1078.4398.00	CRYSTAL-SE	CS8411-CS	
D6	BL PC74HC04T 6XINVERTER HEXINVERTER	BL 0007.4001.00	PHILIPS SE	74HC04D	
D7	BL PC74HC151T 8CH.DIGMUX 8CHANNEL DIGITAL MUX	BL 0007.4024.00	PHILIPS-CO	PC74HC151T	
D8	BL 74AC151SC 1X 8.IN MUX 8 TO 1 SELECTOR/MUX	1078.3433.00	HARRIS SEM	CD74AC151M	
D9	BL PC74HC151T 8CH.DIGMUX 8CHANNEL DIGITAL MUX	BL 0007.4024.00	PHILIPS-CO	PC74HC151T	
D10	BL PC74HCT164T 8B.SH.REG. SHIFT REGISTER	BL 0007.6440.00	PHILIPS SE	74HCT164D	
D11	BL 74AC74SC 2XD-FLIPFL DUAL D-TYPE FLIPF	BL 0820.3602.00	NSC	74AC74SC	
D15	BL PC74HCT40103T PROG.CNT BINARY DOWN COUNTER	BL 0007.6956.00	PHILIPS-CO	PC74HCT40103T	
D16	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
D17	BL 74HC125T BUFFER	BL 6042.7276.00	PHILIPS SE	74HC125D	
D20	EO DIG-AUDIO-OSZ. VCXO DIG-AUDIO-OSCILLATOR	1078.4369.00	FUJITSU LI	FAR-M2SC-12M288-D300	
D21	BL PC74HCT4520T 2X4B CNTR BINARY COUNTER	BL 0007.6904.00	PHILIPS-CO	PC74HCT4520T	
D22	BL PC74HCT04T 6XINVERT HEXINVERTER	BL 0007.5372.00	PHILIPS SE	74HCT04D	
D23	BL PC74HCT4520T 2X4B CNTR BINARY COUNTER	BL 0007.6904.00	PHILIPS-CO	PC74HCT4520T	
D24	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D25	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D27	BL PC74HC74T 2XD-FF DUAL D-TYPE FLIPFLOP	BL 0007.3505.00	PHILIPS SE	74HC74D	
D28	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D29	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
D30	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D33	BL PC74HC151T 8CH.DIGMUX 8CHANNEL DIGITAL MUX	BL 0007.4024.00	PHILIPS-CO	PC74HC151T	
D34	BL TLC2932I PLL-SYNTH PLL FREQUENCY SYNTHSIZER	1078.4375.00	TEXAS INST	TLC2932IPWLE	
D35	BL TLC2932I PLL-SYNTH PLL FREQUENCY SYNTHSIZER	1078.4375.00	TEXAS INST	TLC2932IPWLE	
D36	BL PC74HC4040T 12ST.B.CNT BINARY COUNTER	BL 0804.1080.00	PHILIPS SE	74HC4040D	
D37	BL PC74HCO2T 4X2IN.NORG QUAD 2INPUT NOR GATE	BL 0007.3470.00	PHILIPS SE	74HCO2D	
D38	BL PC74HCT165T 8B SHREG SHIFT REGISTER	BL 0007.5408.00	PHILIPS SE	74HCT165D	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
D39	BL PC74HC153T 2X4IN.MUX DUAL MULTIPLEXER	BL 0007.5008.00	PHILIPS SE	74HC153D		
D40	BL PC74HCT40103T PROG.CNT BINARY DOWN COUNTER	BL 0007.6956.00	PHILIPS-CO	PC74HCT40103T		
D41	BL PC74HCT40103T PROG.CNT BINARY DOWN COUNTER	BL 0007.6956.00	PHILIPS-CO	PC74HCT40103T		
D42	BJ CS8401A DIG AUDIO IFTX IC DIGITAL AUDIO IFTX	1078.4381.00	CRYSTAL-SE	CS8401A-CS		
D43	BJ CS8401A DIG AUDIO IFTX IC DIGITAL AUDIO IFTX	1078.4381.00	CRYSTAL-SE	CS8401A-CS		
D44	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T		
. .51						
D52	BL PC74HC153T 2X4IN.MUX DUAL MULTIPLEXER	BL 0007.5008.00	PHILIPS SE	74HC153D		
. .56						
D57	BJ DS26C32ACM 4X RS422 RX IC QUAD RS422 LINE DRIV	6031.4129.00	NAT. SEMIC	DS26C32ACM		
D58	BL 74HC125T BUFFER	BL 6042.7276.00	PHILIPS SE	74HC125D		
D59	BJ DS26C31CM 4X RS422 TX IC QUAD RS422 LINE DRIV	6031.4135.00	NAT. SEMIC	DS26C31CM		
D60	BO EL4581CSVIDEO SYNC SEP IC VIDEO SYNC SEPARATOR	0010.6901.00	ELANTEC	EL4581CS		
D61	BL PC74HCOOT 4X2IN.NAND QUAD 2INPUT NAND GATE	BL 0007.3463.00	PHILIPS SE	74HCOOD		
D62	BL PC74HC74T 2XD-FF DUAL D-TYPE FLIPFLOP	BL 0007.3505.00	PHILIPS SE	74HC74D		
. .66						
D67	BL 74ACO2SC 4X2IN NORG QUAD NOR GATE	BL 0820.3490.00	NAT. SEMIC	74ACO2(SC)		
D68	BL 74ACO2SC 4X2IN NORG QUAD NOR GATE	BL 0820.3490.00	NAT. SEMIC	74ACO2(SC)		
D69	BS DG412DY 4X ANALOGSCH ANALOG SWITCH	0520.7728.00	SILICONIX	DG412DY		
D70	BL PC74HC4040T 12ST.B.CNT BINARY COUNTER	BL 0804.1080.00	PHILIPS SE	74HC4040D		
D71	BL PC74HC86T 4X2IN EXOR QUAD 2INPUT EXOOR GATE	BL 0007.3511.00	PHILIPS SE	74HC86D		
D72	BL PC74HC86T 4X2IN EXOR QUAD 2INPUT EXOOR GATE	BL 0007.3511.00	PHILIPS SE	74HC86D		
K1	SR 5V 500 OHM 1X1 SIL RELAY 5V SIL	1012.9604.00	CLARE	DSS4 1A 05R		
L1	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100		
. .3						
L4	LD 3,3UH 10% 0,20A 1210 SMD-INDUCTOR	LD 0856.7089.00	SIEMENS	B82422-A1332-K100		
L5	LD 6,8UH 10% 0,13A 1210 SMD-INDUCTOR	LD 0009.5186.00	SIEMENS	B82422-A1682-K100		
L6	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100		
L7	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100		
L8	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100		
L9	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100		
L10	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100		
L11	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663		
L12	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100		
L13	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663		
L14	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100		
L15	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100		
. .19						
L20	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100		
L21	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100		
L22	LD 33UH 10% 0,10A 1210 SMD-INDUCTOR	LD 0009.3583.00	SIEMENS	B82422-A1333-K100		
L23	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663		
L24	LD 33UH 10% 0,10A 1210 SMD-INDUCTOR	LD 0009.3583.00	SIEMENS	B82422-A1333-K100		
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
L25 ..27	LD 22UH 10% 0,14A 1210 SMD-INDUCTOR	LD 0520.7886.00	SIEMENS	B82422-A1223-K100	
L28	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L29	LD 22UH 10% 0,14A 1210 SMD-INDUCTOR	LD 0520.7886.00	SIEMENS	B82422-A1223-K100	
L30	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L31	LD SMD-DR.Z=625 OHM 50MHZ CHOKER	1078.3240.00	PHILIPS CO	4330 030 41663	
L32 ..38	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L39	LD 470UH 10% 0,07A 1812 SMD-INDUCTOR	1065.8877.00	SIEMENS	B82432-A1474-K	
L40	LD 470UH 10% 0,07A 1812 SMD-INDUCTOR	1065.8877.00	SIEMENS	B82432-A1474-K	
L41	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L42	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L43	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L44	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L45	LD 470UH 10% 0,07A 1812 SMD-INDUCTOR	1065.8877.00	SIEMENS	B82432-A1474-K	
L46	LD 470UH 10% 0,07A 1812 SMD-INDUCTOR	1065.8877.00	SIEMENS	B82432-A1474-K	
N1 ..4	BO CLC430AJE CF OPAMP IC CURRENT FEEDBACK OPAMP	2032.2524.00	COMLINEAR	CLC430AJE	
N5 ..7	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N8	BO CLC430AJE CF OPAMP IC CURRENT FEEDBACK OPAMP	2032.2524.00	COMLINEAR	CLC430AJE	
N9	BO CLC430AJE CF OPAMP IC CURRENT FEEDBACK OPAMP	2032.2524.00	COMLINEAR	CLC430AJE	
N10	BO M78L05ACM+5V5%0A1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N11	BO REF01CS 10V 20MA VREF VOLTAGE REFERENCE	1002.5129.00	PMI	REF01C(S)	
N12 ..14	BO M78L05ACM+5V5%0A1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N15	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N16 ..18	BO M78L05ACM+5V5%0A1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N19 ..23	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N24	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG DEV	AD744KR	
N25	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N26	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N27	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG DEV	AD744KR	
N28	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG DEV	AD744KR	
N29	BO MAX913CSA LPDIFF COMP IC ANALOG COMPARATOR	2058.6791.00	MAXIM	MAX913CSA	
P1 ..31	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
R1	RG 68R +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.6930.00	DALE	CRCW 0603	....0
R2	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
R3	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
R4	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	DALE	CRCW1206-10 68R1 F-T	
R5 ..7	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0

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R8 ..12	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	DALE	CRCW1206-10 68R1 F-T	
R13	RS 0,25W200 OHM+-20% SMD POTENTIOMETER	RS 0007.9590.00	BOURNS	3314G-1-201	
R14	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	DALE	CRCW1206-10 1K5 F-T	
R15	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 ....0	
R16	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R17	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R18	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R19	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R20 ..22	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R23 ..29	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 ....0	
R30	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R31	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R32	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R33	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 ....0	
R34 ..48	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R49	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R50	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R51	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T	
R52	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T	
R53	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R54	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R55	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R56	RG 432 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5689.00	DALE	CRCW1206-10 22R1 F-T	
R57	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R58 ..60	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
R61	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5737.00	DALE	CRCW1206-10 2K F-T	
R62	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R63	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R64 ..68	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 ....0	
R69	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R70	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R71	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R72 ..74	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 ....0	
R75	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R76	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R77	RG 1,1KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9951.00	DALE	CRCW1206-10 1K1 F-T	
R78	RG 1,1KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9951.00	DALE	CRCW1206-10 1K1 F-T	
R79	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 ....0	
R80 ..87	RG 150 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5589.00	DALE	CRCW1206-10 150R F-T	

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R88	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
R89	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
R90	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R91	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
. .93 R94	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R95	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R96	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603	....0
R97	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
. .101 R102	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	DALE	CRCW1206-10 68R1 F-T	
R103	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	DALE	CRCW1206-10 68R1 F-T	
R104	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
. .106 R107	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R108	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R109	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
. .116 R117	RG 56R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9646.00	DALE	CRCW 0603	....0
R118	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
. .135 R136	RG 39R2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.9400.00			
R137	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R138	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R139	RG 1M0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5370.00	DALE	CRCW 0603	....0
R140	RG 1M0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5370.00	DALE	CRCW 0603	....0
R141	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R142	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R143	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603	....0
R144	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R145	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R146	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R147	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
. .153 R154	RG 301 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9123.00	DALE	CRCW 0603	....0
R155	RG 301 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9123.00	DALE	CRCW 0603	....0
R156	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R157	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R158	RG 56R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9646.00	DALE	CRCW 0603	....0
R159	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R160	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R161	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R162	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R163	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R164	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R167	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R168	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R169	RG 33,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5520.00	DALE	CRCW1206-10 33R2 F-T	
R170	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R171	RG 33,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5520.00	DALE	CRCW1206-10 33R2 F-T	
R172	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R173	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R174	RG 5,110HM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8436.00	PHILIPS	RC 02	
R175	RG 221 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5614.00	DALE	CRCW1206-10 221R F-T	
R176	RG 39,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5543.00	DALE	CRCW1206-10 39R2 F-T	
R177	RG 681 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6110.00	DALE	CRCW1206-10 681K F-T	
R178	RG 243 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5620.00	DALE	CRCW1206-10 243R F-T	
R179	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R180	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R181	RG 56R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9646.00	DALE	CRCW 0603	....0
R182	RG 150 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5589.00	DALE	CRCW1206-10 150R F-T	
R183	RG 150 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5589.00	DALE	CRCW1206-10 150R F-T	
R184	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R185	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R186	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R194	RG 56,2KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.1883.00	DALE	CRCW1206-10 56K2 F-T	
R195	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R196	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R197	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R198	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R199	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R200	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R201	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R236	RG 200 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5608.00	DALE	CRCW1206-10 200R F-T	
R237	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603	....0
R238	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603	....0
R239	RG 432 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9098.00	DALE	CRCW 0603	....0
R240	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603	....0
R241	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603	....0
R242	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
R243	RG 243 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5620.00	DALE	CRCW1206-10 243R F-T	
R244	RG 243 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5620.00	DALE	CRCW1206-10 243R F-T	
R245	RG 12K1 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8462.00			
R246	RS 0,25W 2KOHM +-20% SMD POTENTIOMETER	RS 0007.9626.00	BOURNS	3314G-1-202	

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R247	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R248	RS 0,25W 1KOHM +-20% SMD RG POTENTIOMETER NICHT BESTUECKT NOT FITTED	RS 0007.9610.00	BOURNS	3314G-1-102	
R249	RS 0,25W200 OHM+-20% SMD POTENTIOMETER	RS 0007.9590.00	BOURNS	3314G-1-201	
R250	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R251	RG 3,01KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5772.00	DALE	CRCW1206-10 3K01 F-T	
R254	RG 4,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5814.00	DALE	CRCW1206-10 4K32 F-T	
R257	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R258	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R259	RG 13,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5837.00	DALE	CRCW1206-10 13K F-T	
R260	RG 11,0KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0806.00	DALE	CRCW1206-10 11K F-T	
R261	RG 9,09KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0787.00	DALE	CRCW1206-10 9K09 F-T	
R262	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R263	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R264	RG 825R +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8391.00			
R265	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R266	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R267	RG 200 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5995.00	DALE	CRCW1206-10 200K F-T	
R268	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R269	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R270	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	DALE	CRCW1206-10 3K92 F-T	
R271	RG 47R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6924.00	DALE	CRCW 0603	....0
R276	RG 10R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5328.00	DALE	CRCW 0603	....0
R280	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP O-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R281	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP O-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R282	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP O-OHM NICHT BESTUECKT NOT FITTED	RG 0007.5108.00	DRALORIC	CR 1206	
R283	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP O-OHM NICHT BESTUECKT NOT FITTED	RG 0007.5108.00	DRALORIC	CR 1206	
R284	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603	....0
R285	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP O-OHM NICHT BESTUECKT NOT FITTED	RG 0007.5108.00	DRALORIC	CR 1206	
R286	RG 56K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.9117.00			
R287	RG 825 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.7259.00	DALE	CRCW1206-10 825R F-T	
R288	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603	....0
R289	RG 22,1KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5872.00	DALE	CRCW1206-10 22K1 F-T	
R290	RG 200 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5608.00	DALE	CRCW1206-10 200R F-T	
R291	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R292	RG 27,4KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5895.00	DALE	CRCW1206-10 27K4 F-T	

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Schaltteilliste für  
Parts list for

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**ROHDE & SCHWARZ**

12

10.03.97

ED AES-BOARD

**1078.4100.01 SA**

11+

095.0026-0693

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R293	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R294	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R295	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R296	RG 182 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5595.00	DALE	CRCW1206-10 182R F-T	
R297	RG 221 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5614.00	DALE	CRCW1206-10 221R F-T	
R298	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R299	RG 432 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9098.00	DALE	CRCW 0603 . . . . 0	
R300	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R301	RG 1K0 +-1% TK200 0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
..304	SMD-RESISTOR EIA0603				
R305	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R306	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R307	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
..309	SMD-RESISTOR EIA0603				
R310	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	DALE	CRCW1206-10 5K62 F-T	
R311	RG 8,25KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0770.00	DALE	CRCW1206-10 8K25 F-T	
R312	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R313	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R314	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R315	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT NOT FITTED	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R316	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
..321	SMD-RESISTOR EIA0603				
R322	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R323	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603 . . . . 0	
R324	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603 . . . . 0	
R325	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 . . . . 0	
R326	RG 110 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8890.00	DALE	CRCW1206-10 110R F-T	
..329	CHIP RESISTOR				
R330	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T	
R331	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T	
R332	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R333	RG 6,81KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0758.00	DALE	CRCW1206-10 6K81 F-T	
R334	RG 56R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9646.00	DALE	CRCW 0603 . . . . 0	
..337	SMD-RESISTOR EIA0603				
R338	RG 121 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8903.00	DALE	CRCW1206-10 121R F-T	
R339	RG 8,25KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0770.00	DALE	CRCW1206-10 8K25 F-T	
R340	RG 392 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5672.00	DALE	CRCW1206-10 392R F-T	
R341	RG 2,43KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5750.00	DALE	CRCW1206-10 2K43 F-T	
R342	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP O-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R343	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R344	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 . . . . 0	
R345	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
..348	RG CHIP RESISTOR				
R349	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603 . . . . 0	


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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R350	RG 100K +-1% TK200 0603 SMD RESISTOR NICHT BESTUECKT NOT FITTED	RG 0009.5363.00	DALE	CRCW 0603 . . . . 0	
R351	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R352	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R353	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R354	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603 . . . . 0	
R355	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603 . . . . 0	
R356	RG 90,9KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.1931.00	DALE	CRCW1206-10 90K9 F-T	
R357	RG 1M0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5370.00	DALE	CRCW 0603 . . . . 0	
R358	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R359	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R360	RG 332 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6033.00	DALE	CRCW1206-10 332K F-T	
R361	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R362	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT NOT FITTED	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R363	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT NOT FITTED	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R364	RG 6K8 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7037.00	DALE	CRCW 0603 . . . . 0	
T1	LU HF-UEBERTR.0.01-300MHZ RF-TRANSFORMER	4035.3976.00	MINICIRCUI	T1-6T-KK81 (KKTR)	
T5	LU HF-UEBERTR.0.01-300MHZ RF-TRANSFORMER	4035.3976.00	MINICIRCUI	T1-6T-KK81 (KKTR)	
T6	LU HF-UEBERTR.0.01-300MHZ RF-TRANSFORMER	4035.3976.00	MINICIRCUI	T1-6T-KK81 (KKTR)	
V1	AE BZV55/C2V7 0,5W ZDI ZENER DIODE	AE 0007.3411.00	PHILIPS SE	BZV55B2V7	
V2	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32	
V3	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V4	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS SE	BZV55B5V1 GEG	
V5	AE HSMS2805 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1002.4974.00	HEWLETT-PA	HSMS2805 L31	
V6	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS SE	BZV55B5V1 GEG	
V7	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS SE	BZV55B5V1 GEG	
V8	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V9	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V10	AE HSMS2805 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1002.4974.00	HEWLETT-PA	HSMS2805 L31	
V11	AE HSMS2805 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1002.4974.00	HEWLETT-PA	HSMS2805 L31	
V12	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V17	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V18	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V23	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70	
V24	AM SI9435DY P-E 30V MOSF MOSFET	1081.0277.00	SILICONIX	SI9435DY	
V25	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B	


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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
W100 W200	DY KABEL WF1 DY KABEL WR2	1078.4130.00 1078.4123.00			
X1	FO EINBAUBUCHSE 3P.WINK CONNECTOR	1078.3227.00	NEUTRIK	NC3FDM3-H	
X2	BP TOTX176 6MBS LWL-TX FIBER OPTIC TRANSMITTER	1030.8764.00	THOSHIBA	TOTX176	
X3	BP TORX176 6MBS LWL-RX FIBER OPTIC RECEIVER	1030.8758.00	TOSHIBA	TORX176	
X4	FO EINBAUSTECKER 3P.WINK. CONNECTOR	1078.3233.00	NEUTRIK	NC3MDM3-H	
X5	FO EINBAUBUCHSE 3P.WINK CONNECTOR	1078.3227.00	NEUTRIK	NC3FDM3-H	
X6	FO EINBAUSTECKER 3P.WINK. CONNECTOR	1078.3233.00	NEUTRIK	NC3MDM3-H	
X7	FJ WINKELEINBAUBUCHSE BNC ANGLE BNC	FJ 1051.4380.00	AMP	227677-1+1X1-329632-	
X8	FJ WINKELEINBAUBUCHSE BNC ANGLE BNC	FJ 1051.4380.00	AMP	227677-1+1X1-329632-	
X12	FJ EINBAUBUCHSE BNC ISOLI PANEL SOCKET	FJ 0083.7066.00	ROSENBERGE	51C 047-200 P4	
X13	FJ EINBAUBUCHSE BNC ISOLI PANEL SOCKET	FJ 0083.7066.00	ROSENBERGE	51C 047-200 P4	
X40	FP BUCHSENLEISTE 48POL. 48-PIN CONNECTOR	0299.2660.00	MOLEX	48S-6033-072V-9	
X50	FP BUCHSENLEISTE 48POL. 48-PIN CONNECTOR	0299.2660.00	MOLEX	48S-6033-072V-9	
X100	FP STECKERLEISTE20P.GER CONNECTOR 20P.	FP 0099.9428.00	SIEMENS	V23535-A1200-A202	
X200	FP STECKERLEISTE 16P.GER CONNECTOR 16 WAY	FP 0645.6761.00	SIEMENS	V23535-A1200-A162	

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**Schnittstellenbeschreibung**  
Interface Description

zu: **AES-Board**  
for:

Sach-Nr.: **1078.4100.02**  
Part No.:

Blatt Nr.: /Sheet No.:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Änd.-Index / Amendment																					
Blatt Nr.: /Sheet No.:	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Änd.-Index / Amendment																					

erstellt von: **Schanzer / 1GP2**  
issued by:

Datum: **26.04.96**  
Date:

Abt.: 1GPK	Name: Schwaiger	Datum: 26.04.96	Ä.M.: 51109	Ä.l.: 01
<b>ROHDE &amp; SCHWARZ</b>	Benennung: AES-Board			Bl. 1
				von 5
Typ: UPL-B2	reg.i.Verz.: 1078.4000 V		Sachnummer: 1078.4100.01 SB	

Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

A = Analog

P = Prüfwert

I = Eingang

D = Digital

T = Trimmwert

B = Bidirektional

P = Power

D = Typprüfwert

E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
------	------------------------	---	---	--------------	--------	-------------	---------------------	-----------

Front Panel Connector				X100 (W100)				
<b>Power Supply</b>								
+5V		O	P	+5V ±0.15V	D		2,4	Versorgung für Front Panel
+15V		O	P	+15V ±0.75V	D		14	
-15V		O	P	-15V ±0.75V	D		10	
GND			P				1,5,9,12,16,18,20	
<b>Serial Control</b>								
FP_DATA_IN		O	D	TTL	D		6	Datenstrom zum Front Panel Datenstrom vom Front Panel Schiebetakt
FP_DATA_OUT		I	D	TTL	D		8	
CLK		O	D	TTL	D		15	
STROBE		O	D	TTL	D		13	
<b>Digitale Audio Signale</b>								
AES_RX1		I	D	TTL	D		3	AES Eingangssignal Frontplatte AES Ausgangssignal Frontplatte
AES1_OUT		O	D	TTL	D		19	
<b>Analogsignale</b>								
AES_AMPL		I	A	AES Ampl: DC: 0 ... +5V für 0...10Vpp	D		7	DC Wert der AES Amplitude Spitzenwert
COMMON_AMPL		I	A	Common Ampl: Signalpegel ist 1/3 der Common Mode Amplitude am BAL Eingang	D		17	
COMMON_TX_AMPL		O	A	max. +/-10V bei 10Veff am Mod. Eingang	D		11	Signal zur Common Speisung auf der Frontplatte

Rear Panel Connector				X200 (W200)				
<b>Power Supply</b>								
+5V		O	P	+5V±0.15V	D		2,16	Versorgung für Rear Panel
<b>Digitale Audio Signale</b>								
AES_RX2		I	D	TTL	D		3	REF AES Signal von Rückwanne REF AES Signal zur Rückwanne
AES2_OUT		O	D	TTL	D		13	
<b>Sync Signale</b>								
SYNC_EXT		I	D	TTL	D		7	Sync Signal für ext Sync (BNC)
SYNC_EXT_SEL		O	D	TTL	D		8	Steuersignal zur Aktivierung des Video Sync Sync Signal für Ausgang BNC
SYNC_OUT		O	D	TTL	D		12	

Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.: 51109	Ä.I.: 01
Benennung: AES-Board AES Board				Bl. 4
<b>ROHDE &amp; SCHWARZ</b>				von 5
Typ: UPL-B2UPL	reg.i.Verz.: 1078.4000 V	Sachnummer: 1078.4100.01 SB		



## **XY-Liste**

## **XY List**

### **Erklärung der Spaltenbezeichnungen:**

- Part:** Bauelement-Kennzeichen.
- Side:** Leiterplatten-Seite, auf der sich das Bauelement befindet.
- X/Y:** Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
- SQR, PG:** Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

### **Explanation of column designations:**

- Part:** Identification of instrument part.
- Side:** Side of the PC board on which instrument part is positioned.
- X/Y:** Coordinates (millimeter) of the component on the PC board in reference to zero point.
- SQR, PG:** Square and page of the diagram for the respective instrument part.

Service-Relevante Bauteile / Service-Relevant Components

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
P1	B	236	31	5A	4	P25	B	160	57	11C	7	W100	B	225	55	8C	4
P2	B	241	31	5A	4	P26	B	182	32	8A	7	W100	B	225	55	8C	4
P3	B	280	48	4A	5	R13	B	308	46	7A	5	W100	B	225	55	8D	4
P4	B	301	39	7A	5	R245	B	301	48	6A	5	W200	B	229	71	7D	6
P8	B	97	123	11A	9	R246	B	145	7	10B	10	X1	B	218	25	2A	4
P10	B	87	123	11B	9	R247	B	75	61	2B	2	X2	B	299	8	11E	5
P11	B	30	80	2B	9	R248	B	89	32	3B	10	X3	B	243	8	2D	4
P12	B	77	25	3A	10	R249	B	80	23	4A	8	X4	B	267	24	11A	5
P13	B	86	36	5A	10	R250	B	221	46	5B	4	X5	B	283	94	1A	6
P14	B	108	29	5B	10	R284	B	225	38	4A	4	X6	B	263	94	11B	6
P15	B	139	17	5C	10	R285	A	147	8	10C	10	X7	B	211	104	11C	6
P16	B	148	25	6D	10	W100	B	225	55	8C	4	X8	B	231	104	2C	6
P17	B	73	12	3A	8	W100	B	225	55	8D	4	X40	A	67	116	4B	2
P19	B	58	14	6A	8	W100	B	225	55	8C	4	X50	A	161	77	8A	2
P20	B	29	36	8A	8	W100	B	225	55	8C	4	X100	B	38	133	6A	2
P21	B	29	22	8C	8	W100	B	225	55	8C	4	X200	B	194	96	6C	2
P22	B	47	55	11A	8	W100	B	225	55	8C	4						

Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
1	B	287	20	10C	5	C26	A	149	87	8B	2	C56	B	77	6	6F	8
5	B	249	26	2C	4	C27	B	109	131	8C	2	C57	B	95	34	1A	10
6	B	249	21	2C	4	C28	A	155	92	8C	2	C58	A	101	35	1F	10
7	B	287	24	10C	5	C29	B	236	38	4E	4	C59	B	40	10	6F	8
B1	B	29	119	4C	9	C30	B	227	32	4F	4	C60	B	36	21	6E	8
C1	B	73	131	5A	2	C31	A	278	49	1F	5	C61	B	107	53	11E	8
C2	A	78	116	5B	2	C32	A	249	41	2F	5	C62	B	39	44	12B	8
C3	B	80	111	5A	2	C33	A	304	41	5F	5	C63	B	39	56	11C	8
C4	B	74	116	4B	2	C34	A	302	46	5F	5	C64	B	12	108	5F	3
C5	A	298	94	2A	6	C35	A	269	40	6F	5	C65	B	150	57	5E	9
C6	A	282	90	2B	6	C36	A	264	37	5F	5	C66	B	143	82	5E	9
C7	A	249	94	11B	6	C37	A	306	33	7F	5	C67	B	129	61	8F	7
C8	A	266	90	11C	6	C38	A	310	28	6F	5	C68	A	91	41	2A	10
C9	B	11	72	4A	9	C39	A	292	40	7F	5	C69	B	100	31	3B	10
C10	A	142	24	6D	10	C40	A	286	39	7F	5	C70	B	179	80	2E	10
C11	B	100	19	4B	8	C41	B	295	32	8B	5	C71	B	170	85	2F	10
C12	B	135	84	2D	7	C42	B	295	27	5D	5	C72	B	116	63	6F	7
C13	B	122	122	2B	7	C43	B	170	122	6F	2	C73	B	159	7	10B	7
C14	B	138	103	2C	7	C44	B	171	102	5F	2	C74	B	175	20	9B	7
C15	B	139	84	2D	7	C45	B	172	111	4F	2	C75	B	170	76	4E	10
C16	B	202	37	3D	4	C46	B	46	63	2E	9	C76	B	182	71	4F	10
C17	B	245	38	5E	4	C47	B	43	103	2E	9	C77	B	104	31	2E	10
C18	B	250	38	5E	4	C48	B	24	106	2E	9	C78	B	104	22	3F	10
C19	B	243	35	5F	4	C49	B	17	87	1E	9	C79	B	84	38	3E	10
C20	B	232	26	2E	4	C50	B	22	106	1E	9	C80	B	76	28	3F	10
C21	B	240	21	2F	4	C51	B	42	75	3E	9	C81	B	182	40	9E	7
C22	A	151	74	8A	2	C52	B	125	19	5E	10	C82	B	168	42	8D	7
C23	A	151	77	8A	2	C53	B	170	72	4E	10	C83	B	122	90	11E	7
C24	A	149	82	8B	2	C54	B	97	22	8F	8	C84	B	125	17	4E	10
C25	B	138	131	8B	2	C55	B	93	13	8F	8	C85	B	115	13	5F	10

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C86	B	181	55	11E	7	C141	A	237	37	7F	4	C196	A	120	48	11A	7
C87	B	175	49	11E	7	C142	A	290	46	3F	5	C197	A	116	102	1F	7
C88	B	167	44	9D	7	C143	A	306	49	4F	5	C198	B	309	25	9C	5
C89	B	113	89	11B	7	C144	B	192	48	4D	4	C199	A	251	51	1D	5
C90	B	108	74	7F	7	C145	B	303	50	6B	5	C200	A	297	33	8F	5
C91	B	134	71	8E	7	C146	B	195	48	4E	4	C201	A	294	34	8F	5
C92	B	240	33	5C	4	C147	B	284	38	9A	5	C202	B	46	90	1D	9
C93	B	160	59	11C	7	C148	B	206	44	5D	4	C203	A	155	50	7F	9
C94	B	57	16	6C	8	C149	A	60	67	4F	2	C204	A	157	46	8F	9
C95	B	182	29	8B	7	C150	A	196	44	6E	4	C205	B	51	118	6F	9
C96	B	44	115	4C	9	C151	A	204	51	6F	4	C206	B	39	121	7F	9
C97	B	33	80	2D	9	C152	B	72	97	4B	2	C207	A	120	55	7F	7
C98	B	152	22	6E	10	C153	A	95	102	1E	9	C208	A	120	51	7F	7
C99	B	141	18	6F	10	C154	A	27	112	4C	9	C209	A	122	45	10A	7
C100	B	138	19	5E	10	C155	A	104	103	5F	9	C210	B	9	76	3A	9
C101	B	130	13	5F	10	C156	A	79	96	5F	9	C212	A	211	40	4B	4
C102	B	127	7	6E	10	C157	A	90	85	4F	9	C213	B	236	19	4C	4
C103	B	95	53	2F	8	C158	B	291	90	2A	6	C214	A	302	35	8F	5
C104	B	137	57	9E	10	C159	A	80	82	4F	9	C215	B	272	56	2F	5
C105	B	134	13	6F	10	C160	B	266	70	1E	6	C216	B	285	54	3F	5
C106	B	139	55	8E	10	C161	B	214	88	2E	6	C217	A	196	55	2D	5
C107	B	72	53	3F	8	C162	B	237	72	6E	6	C218	B	18	72	4A	9
C108	B	55	39	4F	8	C163	B	254	72	9B	6	C219	A	200	59	2D	5
C109	B	54	53	4F	8	C164	B	258	68	10B	6	C220	A	140	43	7F	10
C110	B	68	42	5F	8	C165	A	91	71	3F	9	C221	A	150	43	7F	10
C111	B	135	45	7E	10	C166	A	80	71	2F	9	C222	A	295	27	7D	5
C112	A	51	11	1F	8	C167	B	39	80	3A	9	C223	B	306	38	7C	5
C113	B	45	11	2F	8	C168	B	208	98	10C	6	C224	B	9	78	3B	9
C114	B	135	33	8E	10	C169	B	284	90	2B	6	C225	B	139	62	10C	7
C115	A	203	21	2A	4	C170	B	246	69	3E	6	C226	A	152	30	7C	10
C116	A	219	21	2B	4	C171	B	235	97	5D	6	C227	A	11	34	10A	8
C117	A	123	31	1F	3	C172	B	231	93	5D	6	C228	A	37	28	9C	8
C118	A	59	41	2F	3	C173	B	277	72	4A	6	C229	B	31	7	7A	8
C119	A	157	57	2F	3	C174	B	208	83	8E	6	C230	B	50	24	7C	8
C120	B	70	29	3F	3	C175	B	39	77	3A	9	C231	B	254	43	2D	5
C121	A	57	24	4F	3	C176	B	27	66	4A	9	C232	B	50	103	5B	2
C122	B	12	96	6F	3	C177	B	149	35	7C	10	C233	B	294	37	8B	5
C123	A	148	74	4F	3	C178	A	64	15	7F	8	C234	B	294	30	5D	5
C124	A	101	76	5F	3	C179	B	223	101	3D	6	C235	B	9	70	3B	9
C125	A	279	20	10A	5	C180	A	61	9	7E	8	C236	B	18	66	4B	9
C126	A	266	21	10B	5	C181	B	35	7	7A	8	C237	B	182	45	10D	7
C127	B	23	66	4B	9	C182	B	142	39	4C	10	C238	B	142	62	10C	7
C128	A	299	14	10E	5	C183	B	32	20	7C	8	C239	B	200	37	3D	4
C129	B	256	59	1D	5	C184	B	44	24	7B	8	C240	B	261	48	2D	5
C130	B	262	54	1C	5	C185	A	19	54	9A	8	C241	B	142	27	4D	10
C131	B	148	97	3E	7	C186	A	23	16	9A	8	C242	A	149	18	6D	10
C132	B	140	121	3C	7	C187	B	34	21	9C	8	C243	A	125	66	8C	7
C133	A	207	24	2A	4	C188	A	115	119	1F	7	C244	A	123	62	8C	7
C134	A	211	29	2A	4	C189	A	149	103	5F	7	C245	B	78	106	3F	9
C135	A	244	26	3C	4	C190	A	104	118	2F	7	C246	A	150	115	6F	7
C136	A	242	38	6C	4	C191	A	149	111	6F	7	C247	B	155	101	5F	7
C137	A	231	39	1E	4	C192	A	174	25	11A	7	C248	A	134	108	3F	7
C138	A	234	12	2D	4	C193	A	177	30	11A	7	C249	A	134	118	3F	7
C139	A	215	48	3F	4	C194	A	176	34	9B	7	C250	A	134	99	4F	7
C140	A	218	42	3F	4	C195	A	160	23	11B	7	C251	A	134	89	4F	7

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C252	B	294	34	8B	5	D11	B	130	43	3C	10	D29	B	250	33	7A	4
C253	B	294	29	6D	5	D11	B	130	43	3C	10	D30	B	179	67	8B	10
C254	A	259	31	8E	5	D11	B	130	43	7F	10	D30	B	179	67	8A	10
C255	B	271	39	8C	5	D12	B	130	30	8F	10	D30	B	179	67	8A	10
C256	A	95	119	2E	9	D12	B	130	30	3D	10	D30	B	179	67	8B	10
C257	B	145	62	11C	7	D12	B	130	30	3D	10	D30	B	179	67	4E	10
C258	B	21	11	7B	8	D13	B	121	65	8C	7	D31	B	117	17	5A	10
C259	B	140	63	10C	7	D13	B	121	65	7E	7	D31	B	117	17	5B	10
C260	A	132	8	6C	10	D13	B	121	65	7F	7	D31	B	117	17	5B	10
C261	B	143	63	10C	7	D14	B	102	72	7C	7	D31	B	117	17	5B	10
C262	A	84	104	6E	7	D14	B	102	72	7F	7	D31	B	117	17	5E	10
C263	B	293	48	4E	5	D14	B	102	72	8C	7	D32	B	179	37	9D	7
C264	B	298	41	4E	5	D15	A	86	89	6E	7	D32	B	179	37	10C	7
C265	B	311	34	8C	5	D15	A	86	89	4D	7	D32	B	179	37	10D	7
C266	B	73	60	2B	2	D16	B	299	48	4E	5	D32	B	179	37	10D	7
C267	A	234	16	3D	4	D16	B	299	48	6A	5	D32	B	179	37	10D	7
C268	A	296	18	10E	5	D17	B	142	54	8E	10	D33	B	84	53	3A	8
C501	B	205	125	2B	11	D17	B	142	54	10D	10	D33	B	84	53	3F	8
C502	B	205	132	2B	11	D17	B	142	54	11D	10	D34	B	149	32	7D	10
C503	B	223	132	2B	11	D17	B	142	54	11C	10	D35	B	34	30	9C	8
C504	B	223	125	2C	11	D17	B	142	54	11C	10	D36	B	64	53	4D	8
C511	B	293	122	2B	11	D18	B	33	54	10C	8	D36	B	64	53	3F	8
C512	B	293	135	2B	11	D18	B	33	54	12D	8	D37	B	77	85	8D	9
C513	B	310	135	2B	11	D18	B	33	54	11B	8	D37	B	77	85	8B	9
C514	B	310	122	2C	11	D18	B	33	54	10B	8	D37	B	77	85	8E	9
D1	B	62	60	2B	2	D18	B	33	54	10B	8	D37	B	77	85	8D	9
D1	B	62	60	4F	2	D19	B	104	112	2F	7	D37	B	77	85	4F	9
D2	B	30	85	1D	9	D19	B	104	112	2B	7	D38	B	173	117	10C	2
D2	B	30	85	2A	9	D19	B	104	112	2B	7	D38	B	173	117	6F	2
D3	B	174	107	11B	2	D19	B	104	112	2A	7	D39	B	64	40	3C	8
D3	B	174	107	10B	2	D19	B	104	112	2A	7	D39	B	64	40	5F	8
D3	B	174	107	11B	2	D20	B	26	54	9A	8	D40	B	49	36	2C	8
D3	B	174	107	10B	2	D21	B	129	58	2C	10	D40	B	49	36	4F	8
D3	B	174	107	10B	2	D21	B	129	58	8D	10	D41	B	49	50	2D	8
D3	B	174	107	11B	2	D21	B	129	58	9E	10	D41	B	49	50	5F	8
D3	B	174	107	5F	2	D22	B	174	96	10D	2	D42	B	87	92	10A	9
D4	B	127	89	2E	7	D22	B	174	96	10D	2	D42	B	87	92	1F	9
D4	B	127	89	4F	7	D22	B	174	96	5F	2	D43	B	87	110	10B	9
D5	B	127	108	2C	7	D22	B	174	96	11A	2	D43	B	87	110	2F	9
D5	B	127	108	3F	7	D22	B	174	96	10A	2	D44	B	117	29	1F	3
D6	B	99	52	2A	8	D22	B	174	96	10B	2	D44	B	117	29	5B	3
D6	B	99	52	2B	8	D22	B	174	96	11B	2	D45	A	160	58	3F	3
D6	B	99	52	2B	8	D23	B	118	88	5C	7	D45	A	160	58	2D	3
D6	B	99	52	10D	8	D23	B	118	88	12E	7	D46	B	7	93	6F	3
D6	B	99	52	10E	8	D23	B	118	88	8E	7	D46	B	7	93	9C	3
D6	B	99	52	12E	8	D24	A	269	49	1F	5	D47	A	49	27	4F	3
D6	B	99	52	10E	8	D24	A	269	49	3A	5	D47	A	49	27	5D	3
D7	B	104	99	10D	9	D25	A	246	50	3D	5	D48	A	95	78	3B	3
D7	B	104	99	6F	9	D25	A	246	50	2F	5	D48	A	95	78	5F	3
D8	B	138	79	6D	9	D27	B	87	85	6D	7	D49	B	64	26	3D	3
D8	B	138	79	5E	9	D27	B	87	85	8C	9	D49	B	64	26	3F	3
D9	B	154	59	4D	9	D27	B	87	85	4F	9	D50	A	136	70	6B	3
D9	B	154	59	5E	9	D28	B	108	33	1E	10	D50	A	136	70	4F	3
D10	B	7	105	9B	3	D28	B	108	33	2B	10	D51	A	49	41	2F	3
D10	B	7	105	6F	3	D29	B	250	33	5E	4	D51	A	49	41	6D	3

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
D52	B	88	72	7C	9	D70	B	51	65	3D	9	L42	B	18	69	4A	9
D52	B	88	72	3F	9	D70	B	51	65	6A	9	L43	A	87	119	2E	9
D53	B	77	72	2F	9	D71	B	77	97	5D	7	L44	A	87	102	1E	9
D53	B	77	72	7B	9	D71	B	77	97	5D	7	L45	B	139	67	10C	7
D54	A	227	41	7B	4	D71	B	77	97	4D	7	L46	B	140	58	10C	7
D54	A	227	41	1E	4	D71	B	77	97	8D	9	N1	B	229	37	4E	4
D55	B	165	10	10B	7	D71	B	77	97	5F	9	N1	B	229	37	5A	4
D55	B	165	10	6A	7	D72	B	170	18	6B	7	N2	B	234	22	5C	4
D56	B	106	89	11B	7	D72	B	170	18	6B	7	N2	B	234	22	2E	4
D56	B	106	89	6C	7	D72	B	170	18	9A	7	N3	B	306	46	6A	5
D57	B	275	70	1E	6	D72	B	170	18	9A	7	N3	B	306	46	5F	5
D57	B	275	70	4A	6	D72	B	170	18	10B	7	N4	B	292	36	7F	5
D58	B	217	83	5B	6	K1	B	255	39	9C	5	N4	B	292	36	8A	5
D58	B	217	83	5A	6	K1	B	255	39	8E	5	N5	B	77	34	3E	10
D58	B	217	83	5C	6	L1	A	73	112	4B	2	N5	B	77	34	3A	10
D58	B	217	83	5C	6	L2	B	66	131	4A	2	N5	B	77	34	4A	10
D58	B	217	83	2E	6	L3	A	73	107	4A	2	N6	B	100	28	3E	10
D59	B	251	71	3E	6	L4	B	12	78	3A	9	N6	B	100	28	4B	10
D59	B	251	71	9B	6	L5	A	144	31	7C	10	N6	B	100	28	3B	10
D60	B	223	95	4D	6	L6	B	157	75	8A	2	N7	B	177	85	2E	10
D61	B	34	75	5A	9	L7	B	157	79	8A	2	N7	B	177	85	11A	10
D61	B	34	75	7E	9	L8	B	253	46	2D	5	N7	B	177	85	7B	10
D61	B	34	75	7D	9	L9	A	208	55	2C	5	N8	B	309	33	6F	5
D61	B	34	75	3D	9	L10	B	157	83	8B	2	N8	B	309	33	8C	5
D61	B	34	75	3C	9	L11	B	152	131	8B	2	N9	B	269	36	6F	5
D62	B	82	9	6F	8	L12	B	157	88	8B	2	N9	B	269	36	8B	5
D62	B	82	9	4B	8	L13	B	125	131	8B	2	N10	B	280	56	3E	5
D62	B	82	9	4C	8	L14	B	157	91	8C	2	N11	B	89	41	1A	10
D63	B	34	42	11C	8	L15	A	208	59	2C	5	N12	B	155	46	7F	9
D63	B	34	42	8D	8	L16	A	143	39	7E	10	N13	B	48	11	1F	8
D63	B	34	42	10C	8	L17	A	151	39	7E	10	N14	B	42	122	6F	9
D64	B	165	26	11B	7	L18	B	70	8	6E	8	N15	B	204	44	4D	4
D64	B	165	26	7A	7	L19	B	118	55	7E	7	N15	B	204	44	6E	4
D64	B	165	26	7B	7	L20	A	105	39	1E	10	N15	B	204	44	4D	4
D65	B	115	112	1F	7	L21	B	118	51	7E	7	N16	B	146	111	6F	7
D65	B	115	112	4A	7	L22	A	12	29	10A	8	N17	B	146	104	5F	7
D65	B	115	112	4B	7	L23	B	73	101	4A	2	N18	B	117	48	10A	7
D66	B	116	99	2F	7	L24	B	36	28	10B	8	N19	B	215	42	5B	4
D66	B	116	99	4B	7	L25	A	242	12	2D	4	N19	B	215	42	8E	4
D66	B	116	99	4C	7	L26	A	292	14	10D	5	N19	B	215	42	3E	4
D67	A	297	49	4F	5	L27	B	253	50	2D	5	N20	B	135	7	10A	10
D67	A	297	49	4B	5	L28	B	208	75	8E	6	N20	B	135	7	11B	10
D67	A	297	49	4B	5	L29	B	238	68	6E	6	N20	B	135	7	6E	10
D67	A	297	49	4B	5	L30	B	241	90	5D	6	N21	B	92	19	8E	8
D68	A	284	49	3F	5	L31	B	51	89	4B	2	N21	B	92	19	5A	8
D68	A	284	49	4C	5	L32	B	35	117	4B	9	N21	B	92	19	4A	8
D68	A	284	49	4C	5	L33	B	46	96	1D	9	N22	B	36	13	6E	8
D68	A	284	49	4C	5	L34	A	78	101	3E	9	N22	B	36	13	7C	8
D68	A	284	49	4C	5	L35	A	142	118	3E	7	N22	B	36	13	7B	8
D68	A	284	49	4D	5	L36	A	142	108	3E	7	N23	B	179	51	11E	7
D69	B	302	28	8F	5	L37	A	142	89	4E	7	N23	B	179	51	11D	7
D69	B	302	28	7B	5	L38	A	142	99	4E	7	N23	B	179	51	11C	7
D69	B	302	28	7C	5	L39	B	107	60	8C	7	N24	B	145	22	6E	10
D69	B	302	28	5D	5	L40	B	125	73	8C	7	N24	B	145	22	5D	10
D69	B	302	28	8D	5	L41	B	11	69	4A	9	N25	B	67	11	7E	8

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
N25	B	67	11	5B	8	R36	A	128	21	3D	10	R91	B	112	121	3B	7
N26	B	174	31	8A	7	R37	A	128	35	3C	10	R92	B	110	121	3A	7
N26	B	174	31	11A	7	R38	A	128	38	3C	10	R93	B	106	109	3B	7
N27	B	130	19	5E	10	R39	A	128	24	3D	10	R94	A	203	30	3A	4
N27	B	130	19	4D	10	R40	A	128	26	2D	10	R95	A	203	33	3A	4
N28	B	130	67	8E	7	R41	A	131	40	2C	10	R96	B	292	42	8A	5
N28	B	130	67	9C	7	R42	A	131	58	1D	10	R97	B	279	78	4A	6
N29	B	237	41	6C	4	R43	A	131	47	2D	10	R98	B	278	74	4A	6
N29	B	237	41	7F	4	R44	A	128	51	8C	10	R99	B	265	75	4A	6
P5	B	126	14	6B	10	R45	A	131	55	8D	10	R100	B	218	50	8F	4
P6	B	43	65	5B	9	R46	A	147	49	11D	10	R101	B	230	44	7B	4
P7	B	99	90	10A	9	R47	A	143	50	11C	10	R102	A	50	17	1E	8
P9	B	92	107	10B	9	R48	A	99	93	4D	7	R103	A	52	17	1E	8
P18	B	86	11	4C	8	R49	B	151	30	7D	10	R104	B	232	45	7B	4
P23	B	120	121	2B	7	R50	A	86	29	4A	10	R105	B	226	43	7C	4
P24	B	133	84	2D	7	R51	B	299	57	5B	5	R106	B	230	48	7C	4
P27	B	74	68	5D	8	R52	B	309	55	5B	5	R107	A	123	34	4A	3
P28	B	231	76	8D	6	R53	B	299	55	5A	5	R108	B	228	42	7C	4
P29	B	263	42	9B	5	R54	B	97	28	4B	10	R109	B	230	45	7C	4
P30	B	276	43	9B	5	R55	B	71	70	2B	2	R110	B	280	51	4A	5
P31	B	127	32	4C	2	R56	A	171	91	6B	10	R111	B	246	51	2D	5
R1	B	309	48	7A	5	R57	B	92	35	3B	10	R112	B	237	51	3A	5
R2	B	71	72	2E	2	R58	B	269	59	2E	5	R113	B	249	45	2D	5
R3	B	71	76	2E	2	R59	B	266	56	2E	5	R114	B	232	50	2B	5
R4	B	160	54	7E	9	R60	B	37	65	5A	9	R115	B	177	92	10A	2
R5	B	71	74	2D	2	R61	B	294	55	5C	5	R116	B	182	87	10B	2
R6	B	71	78	2D	2	R62	A	80	25	4A	10	R117	B	228	50	7C	4
R7	B	71	82	3D	2	R63	B	114	75	7E	7	R118	B	171	104	10B	2
R8	A	158	54	7E	9	R64	B	241	51	2A	5	R119	B	171	93	10B	2
R9	B	52	115	6E	9	R65	B	243	51	2B	5	R120	B	171	100	10C	2
R10	B	52	112	6E	9	R66	B	230	51	2B	5	R121	B	171	115	10C	2
R11	A	122	42	10A	7	R67	B	248	51	3A	5	R122	B	170	118	11C	2
R12	A	122	39	10A	7	R68	B	182	75	9B	10	R123	B	172	113	10D	2
R14	B	289	60	4D	5	R69	B	138	9	10A	10	R124	B	73	84	8D	9
R15	B	229	31	4A	4	R70	B	170	79	11A	10	R125	B	73	86	8E	9
R16	A	217	37	3B	4	R71	A	177	91	7B	10	R126	B	82	101	4D	7
R17	B	199	36	3D	4	R72	B	95	46	2A	8	R127	B	96	70	8C	9
R18	B	199	34	3E	4	R73	B	175	57	11D	7	R128	B	106	107	10E	9
R19	B	294	60	4C	5	R74	B	174	57	11C	7	R129	B	112	96	10E	9
R20	B	42	71	6A	9	R75	A	138	22	4D	10	R130	B	112	107	10E	9
R21	B	30	62	5A	9	R76	A	132	17	5C	10	R131	B	78	74	7B	9
R22	B	28	64	5B	9	R77	A	125	62	9C	7	R132	B	80	74	7B	9
R23	B	209	44	5D	4	R78	A	132	67	9B	7	R133	B	88	74	7C	9
R24	B	171	91	8C	2	R79	B	304	38	7C	5	R134	B	96	65	7D	9
R25	B	171	89	8C	2	R80	A	242	20	3C	4	R135	B	99	86	6D	7
R26	B	171	87	8C	2	R81	A	244	20	3C	4	R136	B	236	34	5A	4
R27	B	171	95	8D	2	R82	A	293	26	10C	5	R137	B	43	90	1B	9
R28	B	171	97	8D	2	R83	A	293	23	10C	5	R138	B	43	97	1B	9
R29	B	171	98	8D	2	R84	B	154	116	5E	7	R139	B	194	48	4D	4
R30	B	171	106	8E	2	R85	B	154	114	6E	7	R140	B	197	48	4E	4
R31	B	87	33	3A	10	R86	B	157	96	4E	7	R141	B	22	79	1B	9
R32	B	138	11	6C	10	R87	B	157	99	5E	7	R142	B	208	44	5D	4
R33	B	89	90	4D	7	R88	B	71	80	2E	2	R143	B	202	42	5D	4
R34	A	143	10	11B	10	R89	B	108	121	3A	7	R144	B	15	90	1C	9
R35	A	150	52	10D	10	R90	B	93	44	2A	8	R145	A	193	48	6E	4

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R146	A	207	51	6F	4	R201	B	108	51	10E	8	R262	B	139	36	4C	10
R147	B	43	69	7D	9	R202	B	44	47	10B	8	R263	B	142	22	4D	10
R148	B	43	73	7E	9	R203	B	29	43	10C	8	R264	B	144	24	6D	10
R149	B	30	49	11D	8	R204	B	44	41	8D	8	R265	B	124	65	9C	7
R150	B	30	47	11D	8	R205	B	42	37	8D	8	R266	B	124	63	9C	7
R151	B	82	45	3B	8	R206	B	42	53	10D	8	R267	A	211	37	3B	4
R152	B	93	48	3B	8	R207	B	17	99	9B	3	R268	B	294	35	8B	5
R153	B	42	35	2C	8	R208	B	17	92	9C	3	R269	B	292	30	6D	5
R154	B	233	101	3C	6	R209	B	146	78	6E	9	R270	A	142	18	5D	10
R155	B	227	101	3D	6	R210	B	110	109	2A	7	R271	B	88	87	8B	9
R156	B	224	75	6B	6	R211	B	106	122	2A	7	R272	B	102	123	11A	9
R157	B	226	76	6B	6	R212	B	162	40	7A	7	R273	B	92	123	11B	9
R158	B	222	76	6C	6	R213	B	162	42	7A	7	R274	B	156	64	5D	9
R159	B	220	75	6C	6	R214	B	171	8	5B	7	R275	B	130	76	6D	9
R160	B	218	76	6C	6	R215	B	171	20	5B	7	R276	B	60	7	7E	8
R161	B	254	67	10B	6	R216	B	111	67	7D	7	R277	B	58	18	7F	8
R162	B	211	76	8B	6	R217	B	111	65	7B	7	R278	B	42	11	7F	8
R163	B	213	75	8B	6	R218	B	111	69	7B	7	R279	B	39	21	6E	8
R164	B	42	39	2C	8	R219	B	111	72	7D	7	R280	A	280	94	2A	6
R165	B	42	49	2D	8	R220	B	111	70	7D	7	R281	A	267	31	10B	5
R166	B	215	76	8C	6	R221	B	98	69	7D	7	R282	A	301	24	9C	5
R167	B	216	75	8C	6	R222	B	174	8	9B	7	R283	A	302	21	9D	5
R168	B	42	51	2D	8	R223	B	164	7	6A	7	R286	B	244	46	6B	4
R169	B	256	87	11B	6	R224	B	161	5	6A	7	R287	B	297	55	5B	5
R170	A	270	94	11B	6	R225	B	107	91	6C	7	R288	B	308	36	7C	5
R171	B	262	87	11B	6	R226	B	115	87	6C	7	R289	B	27	69	4A	9
R172	B	254	75	8B	6	R227	B	128	82	7E	7	R290	A	256	31	9B	5
R173	B	246	82	8B	6	R228	B	115	78	5C	7	R291	B	46	14	6B	8
R174	B	211	92	10C	6	R229	B	113	85	5C	7	R292	B	46	16	6C	8
R175	A	290	81	2A	6	R230	B	128	80	7D	7	R293	B	39	24	9C	8
R176	B	211	97	10C	6	R231	B	128	84	7E	7	R294	B	299	39	7B	5
R177	B	234	93	5D	6	R232	B	179	14	9A	7	R295	B	295	38	8B	5
R178	A	290	78	3A	6	R233	B	117	122	4A	7	R296	A	297	30	7D	5
R179	B	294	73	4A	6	R234	B	119	107	4C	7	R297	A	304	30	7D	5
R180	B	283	72	4B	6	R235	B	115	94	4B	7	R298	B	305	35	8C	5
R181	B	228	76	6A	6	R236	B	262	39	9C	5	R299	B	35	80	3B	9
R182	B	229	101	2C	6	R237	B	231	31	5B	4	R300	B	240	19	4C	4
R183	B	231	101	2C	6	R238	B	240	23	5C	4	R301	B	236	36	5C	4
R184	B	72	48	4D	8	R239	B	289	42	9A	5	R302	B	238	39	6C	4
R185	B	108	24	4B	10	R240	B	268	42	9B	5	R303	B	243	38	6B	4
R186	B	72	40	3C	8	R241	B	311	28	9C	5	R304	B	273	40	7C	5
R187	B	87	14	4B	8	R242	B	241	23	4C	4	R305	B	73	16	5B	8
R188	B	87	9	4B	8	R243	B	12	81	3B	9	R306	B	82	20	5C	8
R189	B	97	13	5A	8	R244	B	25	66	4B	9	R307	B	72	15	5C	8
R190	B	88	18	5A	8	R251	B	291	55	5C	5	R308	B	65	9	5B	8
R191	B	76	23	4A	8	R252	B	289	51	4C	5	R309	B	71	12	5C	8
R192	B	87	28	4B	8	R253	B	286	60	4C	5	R310	B	27	11	7B	8
R193	B	108	11	4A	8	R254	B	307	55	5B	5	R311	B	34	14	7C	8
R194	B	38	10	6A	8	R255	B	302	60	4B	5	R312	B	137	120	3C	7
R195	A	104	76	3A	3	R256	B	309	60	4B	5	R313	B	146	96	3E	7
R196	A	143	68	6A	3	R257	A	234	34	7E	4	R314	B	182	48	10D	7
R197	A	62	44	3D	3	R258	A	256	36	7E	5	R315	A	172	122	11C	2
R198	B	42	21	6C	8	R259	B	304	55	5B	5	R316	B	173	33	8A	7
R199	B	108	46	10D	8	R260	B	304	60	4B	5	R317	B	169	33	8A	7
R200	B	108	49	10E	8	R261	B	302	55	5B	5	R318	B	169	30	8B	7

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Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R319	B	170	29	8B	7	R345	A	83	91	4E	7	V3	A	177	89	7B	10
R320	B	165	36	8A	7	R346	A	83	94	3E	7	V4	A	143	27	6D	10
R321	B	230	40	3D	4	R347	A	174	122	11C	2	V5	B	194	36	3D	4
R322	A	136	10	11B	10	R348	A	178	122	11C	2	V5	B	194	36	3D	4
R323	B	137	63	9C	7	R349	B	273	37	8B	5	V6	B	31	18	8C	8
R324	B	182	34	8A	7	R350	B	311	31	8C	5	V7	B	24	8	8B	8
R325	B	306	48	6A	5	R351	B	36	107	4C	9	V8	B	77	18	5C	8
R326	A	282	31	10A	5	R352	A	285	22	6D	5	V9	B	159	36	7A	7
R327	A	280	31	10A	5	R353	A	288	36	6D	5	V10	B	194	39	3E	4
R328	A	274	31	10B	5	R354	B	147	58	11C	7	V10	B	194	39	4E	4
R329	A	276	31	10B	5	R355	B	128	10	6C	10	V11	B	194	31	3E	4
R330	A	128	29	4D	10	R356	B	45	19	6A	8	V11	B	194	31	4E	4
R331	A	103	71	8C	7	R357	B	171	42	11D	7	V12	B	296	71	3A	6
R332	B	278	80	4B	6	R358	B	142	34	4C	10	V13	B	280	69	3B	6
R333	B	297	60	4A	5	R359	B	139	24	4D	10	V14	B	239	101	3C	6
R334	B	234	51	2E	5	R360	B	52	14	6A	8	V15	B	218	97	3D	6
R335	B	42	55	11B	8	R361	A	172	115	11D	2	V16	B	206	92	10C	6
R336	B	118	94	3D	7	R362	A	174	115	11D	2	V17	A	118	68	8C	7
R337	B	139	122	3C	7	R363	A	178	115	11D	2	V18	B	226	36	4A	4
R338	B	27	80	3B	9	T1	B	207	35	4A	4	V19	B	211	45	4B	4
R339	A	294	11	11D	5	T2	B	291	20	9C	5	V20	B	231	24	4C	4
R340	A	203	27	3A	4	T3	B	275	28	9A	5	V21	B	245	41	5C	4
R341	A	139	15	5D	10	T5	B	285	84	3A	6	V23	A	136	31	4D	10
R342	A	222	25	2A	4	T6	B	257	84	10B	6	V24	B	40	110	4C	9
R343	B	223	39	4A	4	V1	B	234	43	5C	4	V25	A	285	30	7D	5
R344	B	99	12	5A	8	V2	B	259	34	8E	5						

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
	XX VARIANTENERKLAERUNG IDENTIFICATION OF MODELS VARO2=GRUNDAUSFUEHRUNG MODO2=BASIC_MODEL					
1	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
5	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
6	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
7	VL STECKLOETOESE 7,5X1,1 PLUG-IN SOLDERING LUG NICHT BESTUECKT NOT FITTED	VL 0078.2747.00	-	R&S-ZCHNG.078.2747		
B1	ED 49,152MHZ-QU.OSZ 5V CLOCK OSCILLATOR	1030.8541.00	PHILIPS	X05850 49,152 MHZ		
C1	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
C2	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C3	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C4	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS		
C5	CC 47 PF+-5%500V NPO1206 CERAMIC CHIP CAPACITOR	0007.8720.00	VITRAMON	VJ1206 A470J XET		
..8	C9	CC 22PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8396.00	VITRAMON	VJ1206A 220F FA	
C10	CC 680PF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7375.00	VITRAMON	VJ1206 A 681 F AT		
C11	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT		
..15	C16	CC 10PF+-0,1 50V NPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0009.4567.00	VITRAMON	VJ0603A *** BXAT	
C17	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT		
..21	C22	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C23	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C24	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T		
C25	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS		
C26	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T		
..28	C29	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C30	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT		
C31	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT		
..40	C41	CC 1,0PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJ0603A *** BXAT	
C42	CC 1,0PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJ0603A *** BXAT		
C43	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT		
..56	C57	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C58	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)		
C59	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT		
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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C60	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C61	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
..67					
C68	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C69	CC 12PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0009.8256.00	VITRAMON	VJ0603A *** FXAT	
C70	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
..91					
C92	CC 1,5NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7417.00	VITRAMON	VJ1206 A 152 F AT	
C93	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C94	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C95	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	VITRAMON	VJ0603A *** FXAT	
C96	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C97	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
..107					
C108	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C109	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C110	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C111	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C112	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C113	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C114	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C115	CC 47PF+-1%50V COG 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	VITRAMON	VJ1206 A 470 F AT	
C116	CC 47PF+-1%50V COG 1206 CERAMIC CHIP CAPACITOR NICHT BESTUECKT NOT FITTED	CC 0099.8496.00	VITRAMON	VJ1206 A 470 F AT	
C117	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C118	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C119	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C120	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C121	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C122	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C123	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C124	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C125	CC 47PF+-1%50V COG 1206 CERAMIC CHIP CAPACITOR	CC 0099.8496.00	VITRAMON	VJ1206 A 470 F AT	
..127					
C128	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C129	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C130	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C131	CC 47NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5195.00	VITRAMON	VJ 1206 Y 473 K XAT	
C132	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C133	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..137					
C138	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C139	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..143					
C144	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJ0603Y***KXAT	

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C145	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C146	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJO603Y***KXAT	
C147	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C148	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJO603A *** FXAT	
C149	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..152	CERAMIC CHIP CAPACITOR				
C153	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C154	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..161	CERAMIC CHIP CAPACITOR				
C162	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C163	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C164	CC 150PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8509.00	VITRAMON	VJ1206 A 151 F AT	
C165	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C166	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C167	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C168	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJO603A *** FXAT	
C169	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C170	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C171	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C172	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C173	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJO603A *** BXAT	
C174	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C175	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C176	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C177	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C178	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..181	CERAMIC CHIP CAPACITOR				
C182	CC 1,2NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7400.00	VITRAMON	VJ1206 A 122 F FAT	
C183	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C184	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..186	CERAMIC CHIP CAPACITOR				
C187	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C188	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..201	CERAMIC CHIP CAPACITOR				
C202	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
..209	TANTALUM SMD-CAPACITOR				
C210	CC 2,2PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8171.00	VITRAMON	VJ1206 A 2R2 C AT	
C212	CC 4,7PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8213.00	VITRAMON	VJ1206 A 4R7 C AT	
C213	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8304.00	VITRAMON	VJO603A *** BXAT	
C214	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C215	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
..217	TANTALUM SMD-CAPACITOR				
C218	CC 6,8PF+-0,25 50VNPO1206 CERAMIC CHIP CAPACITOR	CC 0007.8236.00	VITRAMON	VJ1206 A 6R8 C AT	
C219	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C220	CE 1UF +-10% 10V 1206 TANTALUM-SMD-CAPACITOR	CE 0007.7252.00	VALVO	2222 195 65108	

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C221	CE 1UF +-10% 10V 1206 TANTALUM-SMD-CAPACITOR	CE 0007.7252.00	VALVO	2222 195 65108	
C222	CC 1,0PF 500V NPO 1206 CERAMIC CHIP CAPACITOR	0007.8613.00	VITRAMON	VJ1206A1ROCXET	
C223	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	0009.8304.00	VITRAMON	VJ0603A *** BXAT	
C224	CC 56PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8809.00	VITRAMON	VJ1206 A 560 F AT	
C225	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT	
C226	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
. .228 C229	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C230	CC 1UF+-10% 50V X7R 2220 CERAMIC CAPACITOR	CC 0520.6873.00	VITRAMON	VJ 2220 Y105 KFATM	
C231	CE 1UF +-10% 10V 1206 TANTALUM-SMD-CAPACITOR	CE 0007.7252.00	VALVO	2222 195 65108	
C232	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C233	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C234	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C235	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	VITRAMON	VJ1206 A 820 F AT	
C236	CC 82PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8821.00	VITRAMON	VJ1206 A 820 F AT	
C237	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	VITRAMON	VJ0603Y***KXAT	
C238	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT	
C239	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	VITRAMON	VJ0603Y***KXAT	
C240	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C241	CC 1,2NF+-1% 50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0007.7400.00	VITRAMON	VJ1206 A 122 F FAT	
C242	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C243	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C244	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C245	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C246	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C247	CE 10UF +-10% 25V 7343 TANTALUM SMD-CAPACITOR	CE 0007.7246.00	SPRAGUE EL	293D-106X9-025 D2T	
C248	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C249	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
. .251 C252	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C253	CC 220PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4721.00	VITRAMON	VJ0603A *** FXAT	
C254	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C255	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C256	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C257	CC 2,2NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4767.00	VITRAMON	VJ0603Y***KXAT	
C258	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C259	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C260	CC 33PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8780.00	VITRAMON	VJ1206 A330F AT	
C261	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJ0603A *** FXAT	
C262	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C263	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	

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C264	CC 33NF+-10% 25V HDK 0603 ERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJO603Y333KXXT	
C265	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	0009.8304.00	VITRAMON	VJO603A *** BXAT	
C266	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	VITRAMON	VJO603A *** FXAT	
C267	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C268	CE 4,7U F+-10% 10V 3528 TANTALUM SMD-CAPACITOR	CE 0007.7275.00	SPRAGUE EL	293D 475 X9 010 B2T	
C501 ..504	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	VITRAMON	VJ1206 A 101 F AT	
C511 ..514	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	VITRAMON	VJ1206 A 101 F AT	
D1	BL PC74HC138T LINE DECOD LINE DECODER	BL 0007.3534.00	PHILIPS SE	74HC138D	
D2	BL AD7008 DDS MODULATOR IC MODULATOR	1078.3410.00	ANALOG DEV	AD7008JP50	
D3	BL PC74HCT04T 6XINVERT HEXINVERTER	BL 0007.5372.00	PHILIPS SE	74HCT04D	
D4	BJ CS8411 DIG AUDIO IFRX IC DIGITAL AUDIO IF RX	1078.4398.00	CRYSTAL-SE	CS8411-CS	
D5	BJ CS8411 DIG AUDIO IFRX IC DIGITAL AUDIO IF RX	1078.4398.00	CRYSTAL-SE	CS8411-CS	
D6	BL PC74HCO4T 6XINVERTER HEXINVERTER	BL 0007.4001.00	PHILIPS SE	74HCO4D	
D7	BL PC74HC151T 8CH.DIGMUX 8CHANNEL DIGITAL MUX	BL 0007.4024.00	PHILIPS-CO	PC74HC151T	
D8	BL 74AC151SC 1X 8.IN MUX 8 TO 1 SELECTOR/MUX	1078.3433.00	HARRIS SEM	CD74AC151M	
D9	BL PC74HC151T 8CH.DIGMUX 8CHANNEL DIGITAL MUX	BL 0007.4024.00	PHILIPS-CO	PC74HC151T	
D10	BL PC74HCT164T 8B.SH.REG. SHIFT REGISTER	BL 0007.6440.00	PHILIPS SE	74HCT164D	
D11 ..14	BL 74AC74SC 2XD-FLIPFL DUAL D-TYPE FLIPF	BL 0820.3602.00	NSC	74AC74SC	
D15	BL PC74HCT40103T PROG.CNT BINARY DOWN COUNTER	BL 0007.6956.00	PHILIPS-CO	PC74HCT40103T	
D16	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
D17 ..19	BL 74HC125T BUFFER	BL 6042.7276.00	PHILIPS SE	74HC125D	
D20	EO DIG-AUDIO-OSZ. VCXO DIG-AUDIO-OSCILLATOR	1078.4369.00	FUJITSU LI	FAR-M2SC-12M288-D300	
D21	BL PC74HCT4520T 2X4B CNTR BINARY COUNTER	BL 0007.6904.00	PHILIPS-CO	PC74HCT4520T	
D22	BL PC74HCT04T 6XINVERT HEXINVERTER	BL 0007.5372.00	PHILIPS SE	74HCT04D	
D23	BL PC74HCT4520T 2X4B CNTR BINARY COUNTER	BL 0007.6904.00	PHILIPS-CO	PC74HCT4520T	
D24	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D25	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D27	BL PC74HC74T 2XD-FF DUAL D-TYPE FLIPFLOP	BL 0007.3505.00	PHILIPS SE	74HC74D	
D28	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
D29	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
D30 ..32	BS DG413DY 2A2R ANALOGSCH QUAD ANALOG CMOS.SWITCH	1004.7058.00	SILICONIX	DG413DY	
D33	BL PC74HC151T 8CH.DIGMUX 8CHANNEL DIGITAL MUX	BL 0007.4024.00	PHILIPS-CO	PC74HC151T	
D34	BL TLC2932I PLL-SYNTH PLL FREQUENCY SYNTHSIZER	1078.4375.00	TEXAS INST	TLC2932IPWLE	
D35	BL TLC2932I PLL-SYNTH PLL FREQUENCY SYNTHSIZER	1078.4375.00	TEXAS INST	TLC2932IPWLE	
D36	BL PC74HC4040T 12ST.B.CNT BINARY COUNTER	BL 0804.1080.00	PHILIPS SE	74HC4040D	
D37	BL PC74HCO2T 4X2IN.NORG QUAD 2INPUT NOR GATE	BL 0007.3470.00	PHILIPS SE	74HCO2D	
D38	BL PC74HCT165T 8B SHREG SHIFT REGISTER	BL 0007.5408.00	PHILIPS SE	74HCT165D	

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D39	BL PC74HC153T 2X4IN.MUX DUAL MULTIPLEXER	BL 0007.5008.00	PHILIPS SE	74HC153D	
D40	BL PC74HCT40103T PROG.CNT BINARY DOWN COUNTER	BL 0007.6956.00	PHILIPS-CO	PC74HCT40103T	
D41	BL PC74HCT40103T PROG.CNT BINARY DOWN COUNTER	BL 0007.6956.00	PHILIPS-CO	PC74HCT40103T	
D42	BJ CS8401A DIG AUDIO IFTX IC DIGITAL AUDIO IFTX	1078.4381.00	CRYSTAL-SE	CS8401A-CS	
D43	BJ CS8401A DIG AUDIO IFTX IC DIGITAL AUDIO IFTX	1078.4381.00	CRYSTAL-SE	CS8401A-CS	
D44	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
..51					
D52	BL PC74HC153T 2X4IN.MUX DUAL MULTIPLEXER	BL 0007.5008.00	PHILIPS SE	74HC153D	
..56					
D57	BJ DS26C32ACM 4X RS422 RX IC QUAD RS422 LINE DRIV	6031.4129.00	NAT. SEMIC	DS26C32ACM	
D58	BL 74HC125T BUFFER	BL 6042.7276.00	PHILIPS SE	74HC125D	
D59	BJ DS26C31CM 4X RS422 TX IC QUAD RS422 LINE DRIV	6031.4135.00	NAT. SEMIC	DS26C31CM	
D60	BO EL4581CSVIDEO SYNC SEP IC VIDEO SYNC SEPARATOR	0010.6901.00	ELANTEC	EL4581CS	
D61	BL PC74HCOOT 4X2IN.NAND QUAD 2INPUT NAND GATE	BL 0007.3463.00	PHILIPS SE	74HCOOD	
D62	BL PC74HC74T 2XD-FF DUAL D-TYPE FLIPFLOP	BL 0007.3505.00	PHILIPS SE	74HC74D	
..66					
D67	BL 74ACO2SC 4X2IN NORG QUAD NOR GATE	BL 0820.3490.00	NAT. SEMIC	74ACO2(SC)	
D68	BL 74ACO2SC 4X2IN NORG QUAD NOR GATE	BL 0820.3490.00	NAT. SEMIC	74ACO2(SC)	
D69	BS DG412DY 4X ANALOGSCH ANALOG SWITCH	0520.7728.00	SILICONIX	DG412DY	
D70	BL PC74HC4040T 12ST.B.CNT BINARY COUNTER	BL 0804.1080.00	PHILIPS SE	74HC4040D	
D71	BL PC74HC86T 4X2IN EXOR QUAD 2INPUT EXOOR GATE	BL 0007.3511.00	PHILIPS SE	74HC86D	
D72	BL PC74HC86T 4X2IN EXOR QUAD 2INPUT EXOOR GATE	BL 0007.3511.00	PHILIPS SE	74HC86D	
K1	SR 5V 500 OHM 1X1 SIL RELAY 5V SIL	1012.9604.00	CLARE	DSS4 1A 05R	
L1	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
..3					
L4	LD 3,3UH 10% 0,20A 1210 SMD-INDUCTOR	LD 0856.7089.00	SIEMENS	B82422-A1332-K100	
L5	LD 6,8UH 10% 0,13A 1210 SMD-INDUCTOR	LD 0009.5186.00	SIEMENS	B82422-A1682-K100	
L6	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L7	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L8	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L9	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L10	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L11	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	
L12	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L13	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	
L14	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L15	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
..19					
L20	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L21	LD 2,2UH 10% 0,27A 1210 SMD-INDUCTOR	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L22	LD 33UH 10% 0,10A 1210 SMD-INDUCTOR	LD 0009.3583.00	SIEMENS	B82422-A1333-K100	
L23	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	
L24	LD 33UH 10% 0,10A 1210 SMD-INDUCTOR	LD 0009.3583.00	SIEMENS	B82422-A1333-K100	

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L25 ..27	LD 22UH 10% SMD-INDUCTOR 0,14A 1210	LD 0520.7886.00	SIEMENS	B82422-A1223-K100	
L28	LD 2,2UH 10% SMD-INDUCTOR 0,27A 1210	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L29	LD 22UH 10% SMD-INDUCTOR 0,14A 1210	LD 0520.7886.00	SIEMENS	B82422-A1223-K100	
L30	LD 10UH 10% SMD-INDUCTOR 0,18A 1210	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L31	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	
L32 ..38	LD 10UH 10% SMD-INDUCTOR 0,18A 1210	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L39	LD 470UH 10% SMD-INDUCTOR 0,07A 1812	1065.8877.00	SIEMENS	B82432-A1474-K	
L40	LD 470UH 10% SMD-INDUCTOR 0,07A 1812	1065.8877.00	SIEMENS	B82432-A1474-K	
L41	LD 2,2UH 10% SMD-INDUCTOR 0,27A 1210	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L42	LD 2,2UH 10% SMD-INDUCTOR 0,27A 1210	LD 0520.7870.00	SIEMENS	B82422-A1222-K100	
L43	LD 10UH 10% SMD-INDUCTOR 0,18A 1210	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L44	LD 10UH 10% SMD-INDUCTOR 0,18A 1210	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L45	LD 470UH 10% SMD-INDUCTOR 0,07A 1812	1065.8877.00	SIEMENS	B82432-A1474-K	
L46	LD 470UH 10% SMD-INDUCTOR 0,07A 1812	1065.8877.00	SIEMENS	B82432-A1474-K	
N1 ..4	BO CLC430AJE CF OPAMP IC CURRENT FEEDBACK OPAMP	2032.2524.00	COMLINEAR	CLC430AJE	
N5 ..7	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N8	BO CLC430AJE CF OPAMP IC CURRENT FEEDBACK OPAMP	2032.2524.00	COMLINEAR	CLC430AJE	
N9	BO CLC430AJE CF OPAMP IC CURRENT FEEDBACK OPAMP	2032.2524.00	COMLINEAR	CLC430AJE	
N10	BO M78L05ACM+5V5%OA1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N11	BO REF01CS 10V 20MA VREF VOLTAGE REFERENCE	1002.5129.00	PMI	REF01C(S)	
N12 ..14	BO M78L05ACM+5V5%OA1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N15	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N16 ..18	BO M78L05ACM+5V5%OA1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N19 ..23	BO TLO72ACD 2XFET OPAMP OPERATIONAL AMPLIFIER	0803.1057.00	TEXAS INST	TL 072 ACDR	
N24	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG DEV	AD744KR	
N25	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N26	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N27	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG DEV	AD744KR	
N28	BO AD744KR FET OPAMP BIFET OPAMP	0854.1754.00	ANALOG DEV	AD744KR	
N29	BO MAX913CSA LPDIFF COMP IC ANALOG COMPARATOR	2058.6791.00	MAXIM	MAX913CSA	
P1 ..31	VL EINPRESSSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
R1	RG 68R +-1% TK200 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT NOT FITTED	0009.6930.00	DALE	CRCW 0603	....0
R2	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
R3	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603	....0
R4	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	DALE	CRCW1206-10 68R1 F-T	
R5 ..7	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0

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R8 ..12	RG 68,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8849.00	DALE	CRCW1206-10 68R1 F-T	
R13	RS 0,25W200 OHM+-20% SMD POTENTIOMETER	RS 0007.9590.00	BOURNS	3314G-1-201	
R14	RG 1,5 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5714.00	DALE	CRCW1206-10 1K5 F-T	
R15	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 ....0	
R16	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R17	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R18	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R19	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R20 ..22	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R23 ..29	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 ....0	
R30	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R31	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R32	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R33	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 ....0	
R34 ..48	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R49	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R50	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R51	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T	
R52	RG 475 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5695.00	DALE	CRCW1206-10 475R F-T	
R53	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R54	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R55	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R56	RG 432 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5689.00	DALE	CRCW1206-10 22R1 F-T	
R57	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R58 ..60	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
R61	RG 2,0 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5737.00	DALE	CRCW1206-10 2K F-T	
R62	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R63	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R64 ..68	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 ....0	
R69	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R70	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R71	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R72 ..74	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 ....0	
R75	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R76	RG 332 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R77	RG 1,1KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9951.00	DALE	CRCW1206-10 1K1 F-T	
R78	RG 1,1KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9951.00	DALE	CRCW1206-10 1K1 F-T	
R79	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 ....0	
R80 ..87	RG 150 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5589.00	DALE	CRCW1206-10 150R F-T	

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R88	RG 220R +-1% TK200 SMD-RESISTOR EIA0603	0603	0009.6953.00	DALE	CRCW 0603	....0
R89	RG 220R +-1% TK200 SMD-RESISTOR EIA0603	0603	0009.6953.00	DALE	CRCW 0603	....0
R90	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R91	RG 220R +-1% TK200	0603	0009.6953.00	DALE	CRCW 0603	....0
..93	SMD-RESISTOR EIA0603					
R94	RG 332 OHM+-1%TK100 RESISTOR CHIP	1206	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R95	RG 332 OHM+-1%TK100 RESISTOR CHIP	1206	RG 0007.5650.00	DALE	CRCW1206-10 332R F-T	
R96	RG 182 OHM+-1%TK200 SMD-RESISTOR EIA0603	0603	0009.9130.00	DALE	CRCW 0603	....0
R97	RG 10K +-1% TK200	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
..101	SMD-RESISTOR EIA0603					
R102	RG 68,1 OHM+-1%TK100 CHIP RESISTOR	1206	RG 0006.8849.00	DALE	CRCW1206-10 68R1 F-T	
R103	RG 68,1 OHM+-1%TK100 CHIP RESISTOR	1206	RG 0006.8849.00	DALE	CRCW1206-10 68R1 F-T	
R104	RG 10K +-1% TK200	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
..106	SMD-RESISTOR EIA0603					
R107	RG 10,0KOHM+-1%TK100 RG CHIP RESISTOR	1206	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R108	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R109	RG 10K +-1% TK200	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
..116	SMD-RESISTOR EIA0603					
R117	RG 56R +-1% TK200 SMD-RESISTOR EIA0603	0603	0009.9646.00	DALE	CRCW 0603	....0
R118	RG 10K +-1% TK200	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
..135	SMD-RESISTOR EIA0603					
R136	RG 39R2 +-1% TK200 SMD-RESISTOR EIA0603	0603	0010.9400.00			
R137	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R138	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R139	RG 1M0 +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5370.00	DALE	CRCW 0603	....0
R140	RG 1M0 +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5370.00	DALE	CRCW 0603	....0
R141	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R142	RG 100K +-1% TK200 SMD RESISTOR	0603	RG 0009.5363.00	DALE	CRCW 0603	....0
R143	RG 100K +-1% TK200 SMD RESISTOR	0603	RG 0009.5363.00	DALE	CRCW 0603	....0
R144	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R145	RG 100 OHM+-1%TK100 CHIP RESISTOR	1206	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R146	RG 100 OHM+-1%TK100 CHIP RESISTOR	1206	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R147	RG 10K +-1% TK200	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
..153	SMD-RESISTOR EIA0603					
R154	RG 301 OHM+-1%TK200 SMD-RESISTOR EIA0603	0603	0009.9123.00	DALE	CRCW 0603	....0
R155	RG 301 OHM+-1%TK200 SMD-RESISTOR EIA0603	0603	0009.9123.00	DALE	CRCW 0603	....0
R156	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R157	RG 100R +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R158	RG 56R +-1% TK200 SMD-RESISTOR EIA0603	0603	0009.9646.00	DALE	CRCW 0603	....0
R159	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R160	RG 100R +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R161	RG 0-OHM WIDERSTAND O-OHM RESISTOR EIA0603	0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R162	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R163	RG 100R +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R164	RG 10K +-1% TK200 SMD-RESISTOR EIA0603	0603	RG 0009.5357.00	DALE	CRCW 0603	....0
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R167	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603 . . . . 0	
R168	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R169	RG 33,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5520.00	DALE	CRCW1206-10 33R2 F-T	
R170	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R171	RG 33,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5520.00	DALE	CRCW1206-10 33R2 F-T	
R172	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R173	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R174	RG 5,11OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8436.00	PHILIPS	RC 02	
R175	RG 221 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5614.00	DALE	CRCW1206-10 221R F-T	
R176	RG 39,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5543.00	DALE	CRCW1206-10 39R2 F-T	
R177	RG 681 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6110.00	DALE	CRCW1206-10 681K F-T	
R178	RG 243 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5620.00	DALE	CRCW1206-10 243R F-T	
R179	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R180	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R181	RG 56R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9646.00	DALE	CRCW 0603 . . . . 0	
R182	RG 150 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5589.00	DALE	CRCW1206-10 150R F-T	
R183	RG 150 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5589.00	DALE	CRCW1206-10 150R F-T	
R184	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R185	RG 20,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5866.00	DALE	CRCW1206-10 20K F-T	
R186	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R194	RG 56,2KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.1883.00	DALE	CRCW1206-10 56K2 F-T	
R195	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R196	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R197	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R198	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R199	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R200	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R201	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R236	RG 200 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5608.00	DALE	CRCW1206-10 200R F-T	
R237	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 . . . . 0	
R238	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 . . . . 0	
R239	RG 432 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9098.00	DALE	CRCW 0603 . . . . 0	
R240	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 . . . . 0	
R241	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 . . . . 0	
R242	RG 220R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6953.00	DALE	CRCW 0603 . . . . 0	
R243	RG 243 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5620.00	DALE	CRCW1206-10 243R F-T	
R244	RG 243 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5620.00	DALE	CRCW1206-10 243R F-T	
R245	RG 12K1 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8462.00			
R246	RS 0,25W 2KOHM +-20% SMD POTENTIOMETER	RS 0007.9626.00	BOURNS	3314G-1-202	

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R247	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R248	RS 0,25W 1KOHM +-20% SMD RG POTENTIOMETER NICHT BESTUECKT NOT FITTED	RS 0007.9610.00	BOURNS	3314G-1-102	
R249	RS 0,25W200 OHM+-20% SMD POTENTIOMETER	RS 0007.9590.00	BOURNS	3314G-1-201	
R250	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R251	RG 3,01KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5772.00	DALE	CRCW1206-10 3K01 F-T	
R254	RG 4,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5814.00	DALE	CRCW1206-10 4K32 F-T	
R257	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R258	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R259	RG 13,0KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5837.00	DALE	CRCW1206-10 13K F-T	
R260	RG 11,0KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0806.00	DALE	CRCW1206-10 11K F-T	
R261	RG 9,09KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0787.00	DALE	CRCW1206-10 9K09 F-T	
R262	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R263	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R264	RG 825R +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.8391.00			
R265	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R266	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T	
R267	RG 200 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5995.00	DALE	CRCW1206-10 200K F-T	
R268	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R269	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R270	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	DALE	CRCW1206-10 3K92 F-T	
R271	RG 47R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6924.00	DALE	CRCW 0603	....0
R276	RG 10R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5328.00	DALE	CRCW 0603	....0
R280	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R281	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R282	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM NICHT BESTUECKT NOT FITTED	RG 0007.5108.00	DRALORIC	CR 1206	
R283	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM NICHT BESTUECKT NOT FITTED	RG 0007.5108.00	DRALORIC	CR 1206	
R284	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603	....0
R285	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP 0-OHM NICHT BESTUECKT NOT FITTED	RG 0007.5108.00	DRALORIC	CR 1206	
R286	RG 56K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0010.9117.00			
R287	RG 825 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.7259.00	DALE	CRCW1206-10 825R F-T	
R288	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603	....0
R289	RG 22,1KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5872.00	DALE	CRCW1206-10 22K1 F-T	
R290	RG 200 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5608.00	DALE	CRCW1206-10 200R F-T	
R291	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T	
R292	RG 27,4KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5895.00	DALE	CRCW1206-10 27K4 F-T	

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R293	RG 2,21KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5743.00	DALE	CRCW1206-10 2K21 F-T	
R294	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R295	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R296	RG 182 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5595.00	DALE	CRCW1206-10 182R F-T	
R297	RG 221 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5614.00	DALE	CRCW1206-10 221R F-T	
R298	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R299	RG 432 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9098.00	DALE	CRCW 0603 . . . . 0	
R300	RG 182 OHM+-1%TK200 0603 SMD-RESISTOR EIA0603	0009.9130.00	DALE	CRCW 0603 . . . . 0	
R301	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
..304	R305	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0
R306	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R307	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
..309	R310	RG 5,62KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0735.00	DALE	CRCW1206-10 5K62 F-T
R311	RG 8,25KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0770.00	DALE	CRCW1206-10 8K25 F-T	
R312	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R313	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R314	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R315	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT NOT FITTED	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R316	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
..321	R322	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T
R323	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603 . . . . 0	
R324	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603 . . . . 0	
R325	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 . . . . 0	
R326	RG 110 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8890.00	DALE	CRCW1206-10 110R F-T	
..329	R330	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T
R331	RG 274 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5637.00	DALE	CRCW1206-10 274R F-T	
R332	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R333	RG 6,81KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0758.00	DALE	CRCW1206-10 6K81 F-T	
R334	RG 56R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.9646.00	DALE	CRCW 0603 . . . . 0	
..337	R338	RG 121 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8903.00	DALE	CRCW1206-10 121R F-T
R339	RG 8,25KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0770.00	DALE	CRCW1206-10 8K25 F-T	
R340	RG 392 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5672.00	DALE	CRCW1206-10 392R F-T	
R341	RG 2,43KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5750.00	DALE	CRCW1206-10 2K43 F-T	
R342	RG 0-OHM WIDERSTAND-CHIP RESISTOR CHIP O-OHM	RG 0007.5108.00	DRALORIC	CR 1206	
R343	RG 1K0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5340.00	DALE	CRCW 0603 . . . . 0	
R344	RG 680R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6982.00	DALE	CRCW 0603 . . . . 0	
R345	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
..348	R349	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603 . . . . 0

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in	
R350	RG 100K +-1% TK200 0603 SMD RESISTOR NICHT BESTUECKT NOT FITTED	RG 0009.5363.00	DALE	CRCW 0603	....0	
R351	RG 100,0KOH+-1%TK100 1206 CHIP RESISTOR	RG 0007.1948.00	DALE	CRCW1206-10 100K F-T		
R352	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R353	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R354	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0	
R355	RG 47K +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7072.00	DALE	CRCW 0603	....0	
R356	RG 90,9KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.1931.00	DALE	CRCW1206-10 90K9 F-T		
R357	RG 1M0 +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5370.00	DALE	CRCW 0603	....0	
R358	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T		
R359	RG 562 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9068.00	DALE	CRCW1206-10 562R F-T		
R360	RG 332 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6033.00	DALE	CRCW1206-10 332K F-T		
R361	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R362	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT NOT FITTED	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R363	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR NICHT BESTUECKT NOT FITTED	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T		
R364	RG 6K8 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7037.00	DALE	CRCW 0603	....0	
T1 ..3	LU HF-UEBERTR.0.01-300MHZ RF-TRANSFORMER	4035.3976.00	MINICIRCUIT	T1-6T-KK81 (KKTR)		
T5	LU HF-UEBERTR.0.01-300MHZ RF-TRANSFORMER	4035.3976.00	MINICIRCUIT	T1-6T-KK81 (KKTR)		
T6	LU HF-UEBERTR.0.01-300MHZ RF-TRANSFORMER	4035.3976.00	MINICIRCUIT	T1-6T-KK81 (KKTR)		
V1	AE BZV55/C2V7 0,5W ZDI ZENER DIODE	AE 0007.3411.00	PHILIPS SE	BZV55B2V7		
V2	AD BAS32 75V UDI DIODE	AD 0006.7288.00	PHILIPS-CO	BAS32		
V3	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99		
V4	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS SE	BZV55B5V1 GEG		
V5	AE HSMS2805 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1002.4974.00	HEWLETT-PA	HSMS2805 L31		
V6	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS SE	BZV55B5V1 GEG		
V7	AE BZV55/C5V1 0.5W ZDI ZENER DIODE	AE 0006.9839.00	PHILIPS SE	BZV55B5V1 GEG		
V8	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70		
V9	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70		
V10	AE HSMS2805 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1002.4974.00	HEWLETT-PA	HSMS2805 L31		
V11	AE HSMS2805 1+1 SCHOTTKY SCHOTTKY DIODE PAIR	1002.4974.00	HEWLETT-PA	HSMS2805 L31		
V12 ..16	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99		
V17	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70		
V18 ..21	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99		
V23	AD BAV70 70V DUO UDI DUAL DIODE COMMON CATHODE	0007.9278.00	PHILIPS-CO	BAV70		
V24	AM SI9435DY P-E 30V MOSF MOSFET	1081.0277.00	SILICONIX	SI9435DY		
V25	AK BC850B N 45V 200MA TRANSISTOR	AK 0007.7969.00	PHILIPS-CO	BC850B		
1GPK	295 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
	<b>ROHDE &amp; SCHWARZ</b>	12	10.03.97	ED AES-BOARD	<b>1078.4100.01 SA</b>	13+

095.0026-0693

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wir uns alle Rechte vor.

Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
W100	DY KABEL WF1	1078.4130.00			
W200	DY KABEL WR2	1078.4123.00			
X1	FO EINBAUBUCHSE 3P.WINK CONNECTOR	1078.3227.00	NEUTRIK	NC3FDM3-H	
X2	BP TOTX176 6MBS LWL-TX FIBER OPTIC TRANSMITTER	1030.8764.00	THOSHIBA	TOTX176	
X3	BP TORX176 6MBS LWL-RX FIBER OPTIC RECEIVER	1030.8758.00	TOSHIBA	TORX176	
X4	FO EINBAUSTECKER 3P.WINK. CONNECTOR	1078.3233.00	NEUTRIK	NC3MDM3-H	
X5	FO EINBAUBUCHSE 3P.WINK CONNECTOR	1078.3227.00	NEUTRIK	NC3FDM3-H	
X6	FO EINBAUSTECKER 3P.WINK. CONNECTOR	1078.3233.00	NEUTRIK	NC3MDM3-H	
X7	FJ WINKELEINBAUBUCHSE BNC ANGLE BNC	FJ 1051.4380.00	AMP	227677-1+1X1-329632-	
X8	FJ WINKELEINBAUBUCHSE BNC ANGLE BNC	FJ 1051.4380.00	AMP	227677-1+1X1-329632-	
X12	FJ EINBAUBUCHSE BNC ISOLI PANEL SOCKET	FJ 0083.7066.00	ROSENBERGE	51C 047-200 P4	
X13	FJ EINBAUBUCHSE BNC ISOLI PANEL SOCKET	FJ 0083.7066.00	ROSENBERGE	51C 047-200 P4	
X40	FP BUCHSENLEISTE 48POL. 48-PIN CONNECTOR	0299.2660.00	MOLEX	48S-6033-072V-9	
X50	FP BUCHSENLEISTE 48POL. 48-PIN CONNECTOR	0299.2660.00	MOLEX	48S-6033-072V-9	
X100	FP STECKERLEISTE20P.GER CONNECTOR 20P.	FP 0099.9428.00	SIEMENS	V23535-A1200-A202	
X200	FP STECKERLEISTE 16P.GER CONNECTOR 16 WAY	FP 0645.6761.00	SIEMENS	V23535-A1200-A162	

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1GPK	295 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
	<b>ROHDE &amp; SCHWARZ</b>	12	10.03.97	ED AES-BOARD	<b>1078.4100.01 SA</b>	14-

**Schnittstellenbeschreibung**  
Interface Description

**zu:** AES-Board  
**for:**

**Sach-Nr.:** 1078.4100.02  
**Part No.:**

Blatt Nr.: /Sheet No.:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Änd.-Index / Amendment																					
Blatt Nr.: /Sheet No.:	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Änd.-Index / Amendment																					

**erstellt von:** Schanzer / 1GP2  
**issued by:**

**Datum:** 26.04.96  
**Date:**

Abt.: 1GPK	Name: Schwaiger	Datum: 26.04.96	Ä.M.: 51109	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>		Benennung: AES-Board		Bl. 1 von 5
Typ: UPL-B2	reg.i.Verz.: 1078.4000 V	Sachnummer: 1078.4100.01 SB		

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Signal Name Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
<b>Digital Board Connector 1</b>			<b>X40</b>				
<b>Power Supply digital</b> +5V	I	P	+5V ±0.15V max 250mA incl. +5V Analog (X50)	D		A8...12 (X50.A1,B1,C1)	
GND		P				C1,C5,A5,A6,A7, C9	
<b>Databus</b> D0 D1 D2 D3 D4 D5 D6 D7	B B B B B B B	D D D D D D D	TTL	D D D D D D D		B1 B2 B3 B4 B5 B6 B7 B8	Einstelldaten von und zu den Dig. Audio Bausteinen RX1, RX2, TX1, TX2
<b>Adressbus</b> A0 A1 A2 A3 A4 A5 A6 A7	I I I I I I I	D D D D D D D	TTL	D D D D D D D		B9 B10 B11 B12 B13 B14 B15 B16	Adressbus zur Ansteuerung der Dig. Audio Bausteine
<b>Controlbus</b> CS1\ STRB\ CS2\ R/W\ INT_RX1\ INT_RX2\ INT_TX1\ Testanschluß auf Dig. Board	I I I I O O O O	D D D D D D D D	TTL	D D D D D D D D		A2 A4 A9 A3 C14 C15 C16 A16	Controlbus für Dig. Audio Bausteine A9 n.c.  A16 n.c.
<b>DSP Audio</b> RX1_DATA FSYNC1 SCK1 RX2_DATA FSYNC2 SCK2 TX1_DATA TX2_DATA FSYNC_DSP_TX SCK_DSP_TX	O O O O O O O I I I O	D D D D D D D D D D D D	TTL Fsync: 27 ... 55kHz	D D D D D D D D D D D D		C4 C3 C2 C13 C12 C11 C8 C10 C7 C6	Dig. Audio vom Rx1 zum DSP  Dig. Audio vom Rx2 zum DSP  Dig. Audio vom DSP zum TX1, TX2

Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.: 51109	Ä.I.: 01
Benennung: AES-Board AES Board			Bl. 2	
<b>ROHDE &amp; SCHWARZ</b>			von 5	
Typ: UPL-B2UPL	reg.i.Verz.: 1078.4000 V	Sachnummer: 1078.4100.01 SB		

Eintragung in der Spalte R (Richtung):  
 Eintragung in der Spalte A (Art) :  
 Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang I = Eingang B = Bidirektional  
 A = Analog D = Digital P = Power  
 P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P	Bild Nr.	Anschlusspunkt	Bemerkung
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Digital Board Connector 2				X50				
<b>Power Supply analog</b>								
+5V		I	P	+5V ±0.15V max. 250mA incl Digital (X40)	D		A1,B1,C1 (X40.A8...12)	
+12V		I	P	+12V ±0.75V 200mA	D		A6,B6,C6	
+15V		I	P	+15V ±0.75V 180mA	D		A3,B3,C3	
-15V		I	P	-15V ±0.75V 170mA	D		A5,B5,C5	
GND			P				A2,B2,C2, A4,B4,C4 A10,B10,C10 A11,C11,A12,C12 A16,B16,C16 A14,C14 A15,B15,C15	
GND[G]	Masse von Analog Generator		A					GND[G] ist durch R30 (0 Ohm) mit GND verbunden
<b>Serial Control</b>								
SER_WR		I	D	TTL	D		C7	Hardware Steuerung der Baugruppe
SER_DATA_IN		I	D		D		B7	
SER_CLK		I	D	SER_CLK: 1... 3MHz	D		A7	
SER_RD		I	D		D		C8	
SER_DATA_OUT		O	D		D		B8	
POWER_RESET		I	D		D		A8	
<b>Analog Signal Outputs</b>								
DEMOD_SIGNAL1		O	A	<i>Common Amplitude:</i> max. +/- 10V $U=1/3 * U(\text{common})$ <i>AES Jitter:</i> max. +/- 1.41V (1Veff) für 5U <sub>Ipp</sub>	P		B11	Analogsignal Kanal1 zum Analyzer: AC Signale
DEMOD_SIGNAL2		O	A	<i>AES Ampl:</i> 0...+5V für 0...10V <sub>pp</sub> am Eingang <i>Phase to REF:</i> max. +/- 5V für +/-2π Phasenverschiebung	P		B12	Analogsignal Kanal2 zum Analyzer: DC Signale
<b>Analog Signal Input</b>								
MOD_SIGNAL		I	A	<i>Common Signal:</i> max. 10Veff, für +/- 10V Common Mode Signal am BAL Ausgang bzw. <i>AES Jitter:</i> max. 10Veff Modulationssignal für 5U <sub>Ipp</sub> Jitteramplitude	E		B14	Common Signal für AES Schnittstelle  Modulations-signal für Jittermodulator;

Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.: 51109	Ä.I.: 01
Benennung: AES-Board AES Board				Bl. 3
<b>ROHDE &amp; SCHWARZ</b>				von 5
Typ: UPL-B2UPL	reg.i.Verz.: 1078.4000 V	Sachnummer: 1078.4100.01 SB		

Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

A = Analog

P = Prüfwert

I = Eingang

D = Digital

T = Trimmwert

B = Bidirektional

P = Power

D = Typprüfwert

E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
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Front Panel Connector				X100 (W100)				
<b>Power Supply</b>								
	+5V	O	P	+5V ±0.15V	D		2,4	Versorgung für Front Panel
	+15V	O	P	+15V ±0.75V	D		14	
	-15V	O	P	-15V ±0.75V	D		10	
	GND		P				1,5,9,12,16,18,20	
<b>Serial Control</b>								
	FP_DATA_IN	O	D	TTL	D		6	Datenstrom zum Front Panel Datenstrom vom Front Panel Schiebetakt
	FP_DATA_OUT	I	D	TTL	D		8	
	CLK	O	D	TTL	D		15	
	STROBE	O	D	TTL	D		13	
<b>Digitale Audio Signale</b>								
	AES_RX1	I	D	TTL	D		3	AES Eingangssignal Frontplatte
	AES1_OUT	O	D	TTL	D		19	
<b>Analogsignale</b>								
	AES_AMPL	I	A	AES Ampl: DC: 0 ... +5V für 0...10Vpp	D		7	DC Wert der AES Amplitude Spitzenwert
	COMMON_AMPL	I	A	Common Ampl: Signalpegel ist 1/3 der Common Mode Amplitude am BAL Eingang	D		17	
	COMMON_TX_AMPL	O	A	max. +/-10V bei 10Veff am Mod. Eingang	D		11	Signal zur Common Speisung auf der Frontplatte

Rear Panel Connector				X200 (W200)				
<b>Power Supply</b>								
	+5V	O	P	+5V±0.15V	D		2,16	Versorgung für Rear Panel
<b>Digitale Audio Signale</b>								
	AES_RX2	I	D	TTL	D		3	REF AES Signal von Rückwanne REF AES Signal zur Rückwanne
	AES2_OUT	O	D	TTL	D		13	
<b>Sync Signale</b>								
	SYNC_EXT	I	D	TTL	D		7	Sync Signal für ext Sync (BNC)
	SYNC_EXT_SEL	O	D	TTL	D		8	Steuersignal zur Aktivierung des Video Sync
	SYNC_OUT	O	D	TTL	D		12	Sync Signal für Ausgang BNC

Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.: 51109	Ä.l.: 01
Benennung: AES-Board AES Board				Bl. 4
<b>ROHDE &amp; SCHWARZ</b>				von 5
Typ: UPL-B2UPL	reg.i.Verz.: 1078.4000 V	Sachnummer: 1078.4100.01 SB		



Eintragung in der Spalte R (Richtung):

Eintragung in der Spalte A (Art):

Eintragung in der Spalte P/T (Prüfanweisung):

O = Ausgang

A = Analog

P = Prüfwert

I = Eingang

D = Digital

T = Trimmwert

B = Bidirektional

P = Power

D = Typprüfwert

E = Einstellwert

Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
------	---------------------	---	---	--------------	--------	-------------	---------------------	-----------

Digital Audio Front IN/OUT								
<b>INPUT</b>								
BAL		I	A	AES Signal max 10Vpp Rinput = 110Ω	D		XLR female	
UNBAL		I	A	AES Signal typ. 1Vpp Rinput = 75Ω	D		BNC	
OPTICAL		I		Optischer TOSLINK Normeingang	D		TOSLINK Rx	
<b>OUTPUT</b>								
BAL		O	A	AES Signal max. 8Vpp Rsource = 110Ω	P		XLR male	Amplitude ist einstellbar Amplitude ist einstellbar alternativ läßt sich AES BAL Eingang hier wieder unsymmetrisch herausführen
UNBAL		O	A	AES Signal max. 2Vpp Rsource = 75Ω	P		BNC	
OPTICAL		O		AES Signale sind genormte biphas modulierte Digitalsignale  Optischer TOSLINK Normausgang	D		TOSLINK Tx	

REF IN/OUT (Rear)								
<b>INPUT</b>		I	A	AES Referenzsignal Eingang Rinput = 110Ω	P		XLR female	
<b>OUTPUT</b>		O	A	AES Referenzsignal Ausgang typ. 4Vpp Rsource = 110Ω	P		XLR male	

SYNC IN/OUT (Rear)								
<b>INPUT</b>		I	A	TTL; Rinput = 75Ω Triggerschwelle bei ca. 1.2V Wordclock 27..55kHz oder Composite Videosignal typ. 1Vpp	P		BNC	
<b>OUTPUT</b>		O	D	typ. 2Vpp into 75Ω Wordclock bzw AESclock	P		BNC	

Abt.: 1GPK	Name: Schwaiger	Datum:	Ä.M.: 51109	Ä.I.: 01
Benennung: AES-Board AES Board				Bl. 5
<b>ROHDE &amp; SCHWARZ</b>				von 5
Typ: UPL-B2UPL	reg.i.Verz.: 1078.4000 V	Sachnummer: 1078.4100.01 SB		

## **XY-Liste**

## **XY List**

### **Erklärung der Spaltenbezeichnungen:**

- Part:** Bauelement-Kennzeichen.
- Side:** Leiterplatten-Seite, auf der sich das Bauelement befindet.
- XY:** Koordinaten (Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt.
- SQR, PG:** Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement.

### **Explanation of column designations:**

- Part:** Identification of instrument part.
- Side:** Side of the PC board on which instrument part is positioned.
- XY:** Coordinates (millimeter) of the component on the PC board in reference to zero point.
- SQR, PG:** Square and page of the diagram for the respective instrument part.

Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
C1	B	147	4	2E	2	C56	B	8	21	4D	6	D14	B	57	18	2B	5
C2	B	118	24	5E	2	C57	B	17	30	4E	6	D15	B	41	42	7B	5
C3	B	49	5	2F	2	C58	A	17	28	3B	6	D15	B	41	42	7B	5
C4	B	140	57	3E	2	C59	A	37	54	3E	5	D15	B	41	42	7C	5
C5	B	147	62	3F	2	C60	A	44	50	3F	5	D15	B	41	42	7D	5
C6	B	137	23	5E	2	C61	A	29	15	7A	6	D15	B	41	42	4E	5
C7	B	137	31	6E	2	C62	B	26	15	8B	6	L1	B	139	13	2E	2
C8	A	64	6	7E	2	C63	A	34	31	4E	5	L2	B	141	40	3E	2
C9	A	89	43	8E	2	C64	A	38	24	4F	5	L3	B	50	21	2F	2
C10	A	115	39	8E	2	C65	A	43	36	5E	5	L4	B	141	47	3F	2
C11	A	135	49	4D	3	C66	A	34	50	4F	5	L5	A	100	57	7D	4
C12	A	130	48	4D	3	C67	B	35	15	6B	6	L6	B	4	57	2D	6
C13	B	92	14	2C	4	C68	A	10	6	8B	6	L7	B	17	57	2E	6
C14	B	87	14	2C	4	C69	B	7	4	8B	6	L8	A	4	27	3D	6
C15	B	87	22	2D	4	C70	A	58	22	5D	6	L9	A	11	20	4E	6
C16	B	96	25	2A	4	C71	A	32	49	2E	6	L10	B	99	7	3B	4
C17	B	81	23	2D	4	C72	A	22	39	3D	6	L11	B	99	11	3B	4
C18	B	93	11	2B	4	C73	A	22	25	4D	6	N1	B	128	44	4C	3
C19	B	36	22	6B	6	C74	A	32	34	3E	6	N1	B	128	44	4B	3
C20	B	44	54	6B	5	D1	B	113	21	3A	2	N1	B	128	44	4D	3
C21	A	17	43	3B	6	D1	B	113	21	3A	2	N2	B	105	23	2A	4
C22	B	95	60	7D	4	D1	B	113	21	3B	2	N3	B	56	46	3E	5
C23	B	69	63	1E	5	D1	B	113	21	3B	2	N3	B	56	46	3C	5
C24	A	62	64	2E	5	D1	B	113	21	4E	2	N3	B	56	46	3B	5
C25	A	63	36	2E	5	D2	B	90	46	6A	2	N4	B	109	54	6C	4
C26	A	62	50	2E	5	D2	B	90	46	7E	2	N5	B	98	49	6D	4
C27	A	57	41	3E	5	D3	B	117	42	6C	2	N6	B	37	48	3E	5
C28	A	50	42	3F	5	D3	B	117	42	8E	2	N6	B	37	48	6B	5
C29	B	87	11	2B	4	D4	B	135	28	3B	2	N7	B	48	51	5B	5
C31	B	77	6	4D	4	D4	B	135	28	3C	2	N8	B	29	43	2B	6
C32	B	104	19	3A	4	D4	B	135	28	3C	2	N8	B	29	43	2D	6
C34	B	112	50	5C	4	D4	B	135	28	3D	2	N9	B	48	27	5D	5
C35	B	79	49	7B	4	D4	B	135	28	5E	2	N11	B	29	28	2D	6
C36	B	76	43	7B	4	D5	B	135	37	2D	2	N11	B	29	28	4D	6
C37	A	81	63	7B	4	D5	B	135	37	3D	2	N12	B	37	27	4E	5
C38	A	41	51	6A	5	D5	B	135	37	3D	2	N12	B	37	27	6C	5
C39	B	70	45	7B	4	D5	B	135	37	6E	2	N13	B	23	8	6B	6
C40	B	103	40	5D	4	D5	B	135	37	5E	2	P1	B	138	38	2B	2
C41	B	106	57	6C	4	D6	B	69	10	6B	2	P2	B	48	48	4B	5
C42	B	97	40	6D	4	D6	B	69	10	7E	2	P4	B	49	39	4C	5
C43	A	86	54	7C	4	D7	B	93	16	2C	4	P5	B	84	20	1D	4
C44	A	76	54	8C	4	D9	B	81	8	3D	4	P6	B	120	50	5A	4
C45	A	81	57	7C	4	D9	B	81	8	3C	4	P7	B	123	46	5A	4
C46	A	54	57	5A	5	D10	B	62	61	1F	5	P8	B	96	16	5A	4
C47	B	45	30	6D	5	D10	B	62	61	2B	5	P9	B	94	54	5A	4
C48	A	41	29	6C	5	D12	B	75	51	7D	4	P10	B	40	44	7B	5
C49	A	50	30	5C	5	D12	B	75	51	6A	4	P11	B	40	34	7C	5
C50	A	25	45	2B	6	D13	B	62	47	2F	5	P14	B	37	17	6B	6
C51	B	8	52	2D	6	D13	B	62	47	2C	5	R1	B	135	8	3A	2
C52	B	14	52	2E	6	D14	B	57	18	7D	6	R2	B	100	15	4A	2
C53	A	17	36	3D	6	D14	B	57	18	7D	6	R3	B	135	4	3A	2
C54	A	25	31	2D	6	D14	B	57	18	7D	6	R4	B	124	32	6E	2
C55	B	38	14	7A	6	D14	B	57	18	5D	6	R5	B	142	17	3A	2

ROHDE & SCHWARZ	-I	Datum Date	XY-Liste für XY-list for	Sach-Nummer Stock-Nr	Blatt Page
		02 15.02.96	ED MITHOERAUSGANG AUDIO_MONITOR_	1078.4700.01 XY	1+

Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg	Part	Side	X	Y	Sqr	Pg
R6	A	140	17	3A	2	R35	A	141	44	4B	3	R64	A	54	55	5A	5
R7	B	142	20	3B	2	R36	B	130	41	4A	3	R65	A	50	33	5C	5
R8	A	140	20	3B	2	R37	B	126	41	5B	3	R66	A	39	37	8C	5
R9	B	142	22	3B	2	R38	B	124	43	5B	3	R67	A	17	41	3B	6
R10	A	140	22	3B	2	R39	A	138	52	4C	3	R68	B	28	39	2C	6
R11	B	142	25	3B	2	R40	B	133	52	4C	3	R69	B	35	33	2D	6
R12	A	140	25	3C	2	R41	A	141	50	4C	3	R70	A	17	33	3D	6
R13	A	140	32	3C	2	R42	B	130	52	4C	3	R71	A	17	38	3D	6
R14	B	142	32	3C	2	R43	B	126	52	5C	3	R72	A	17	30	3B	6
R15	B	142	30	3C	2	R44	B	124	50	5C	3	R73	B	54	20	6D	6
R16	A	143	30	3C	2	R45	B	112	23	7C	2	R74	B	41	14	6C	6
R17	B	124	26	3D	2	R46	B	85	15	3C	4	R75	B	44	19	6C	6
R18	A	143	27	3D	2	R47	B	85	27	2A	4	R76	B	59	28	5D	5
R19	B	142	27	3D	2	R48	B	44	42	7C	5	R77	B	28	11	7B	6
R20	B	142	37	3D	2	R49	B	77	20	3C	4	R78	B	36	19	5B	6
R21	A	140	35	3D	2	R50	B	85	22	2D	4	R79	B	41	22	5B	6
R22	A	146	51	2C	2	R51	B	89	22	2D	4	R80	B	44	11	7C	6
R23	B	121	13	3D	2	R52	A	35	40	8B	5	R81	A	9	12	8C	6
R24	B	90	38	5A	2	R53	B	95	19	2D	4	R82	B	60	50	5B	5
R25	B	63	15	7B	2	R54	B	79	27	2A	4	R83	B	32	12	7A	6
R26	B	61	14	7B	2	R55	B	119	54	5C	4	R84	B	34	12	7A	6
R27	B	58	13	7C	2	R56	B	76	49	7B	4	V1	B	17	45	3B	6
R28	B	119	40	5C	2	R57	B	72	49	7B	4	V2	B	17	36	3D	6
R29	B	112	45	6D	2	R58	B	114	54	5C	4	V3	B	41	17	6C	6
R30	B	117	45	5D	2	R59	A	123	53	5D	4	W10	B	149	17	1B	2
R31	B	137	29	2D	2	R60	A	117	53	5D	4	X20	B	8	41	4B	6
R32	B	141	34	2D	2	R61	B	28	53	2A	6	X30	B	3	13	8B	6
R33	A	138	41	4B	3	R62	B	35	46	2B	6						
R34	B	133	41	4B	3	R63	A	17	46	3B	6						



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	02	15.02.96	ED MITHOERAUSGANG AUDIO_MONITOR_	1078.4700.01 XY	2-

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
	XX VARIANTENERKLÄRUNG IDENTIFICATION OF MODELS VARO2=GRUNDAUSFUEHRUNG MODO2=BASIC_MODEL				
C1	CE 47UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT	CE 0009.6547.00	SANYO	16CV47FS	
C2	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C3	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C4	CE 33UF+-20%25V RUND SMD SMD-ELECTROLYTIC CAPACIT.	0009.5592.00	SANYO	25CV33FS	
C5	CE 33UF+-20%25V RUND SMD SMD-ELECTROLYTIC CAPACIT.	0009.5592.00	SANYO	25CV33FS	
C6	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..12 C13	CC 33NF+-10% 25V HDK 0603 CERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C14	CC 33NF+-10% 25V HDK 0603 CERAMIC CHIP CAPACITOR	1051.4697.00	VITRAMON	VJ0603Y333KXXT	
C15	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C16	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C17	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C18	CE 4,7UF+-20%50V RUND SMD SMD-ELECTROLYTIC CAPACIT	CE 0009.6530.00	SANYO	50CV4.7FS	
C19	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C20	CC 3P9+-0,25 63V NPO 1206 SMD-CERAMIK-CAP. "HIGH Q"	0008.7179.00	PHILIPS	2222 576 01117	
C21	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C22	CE 10UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	0010.7914.00	PANASONIC	EEV-HB1C100	
C23	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..28 C29	CE 4,7UF+-20%50V RUND SMD SMD-ELECTROLYTIC CAPACIT	CE 0009.6530.00	SANYO	50CV4.7FS	
C30	CE 47 UF+-20% 6V 7X 5X11 ELECTROLYTIC CAPACITOR	CE 0022.8040.00	ROEDERSTEI	ETR 3 47/6,3 20%	
C31	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C32	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C34	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C35	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C36	CC 100PF+-1%50V NPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8415.00	VITRAMON	VJ1206 A 101 F AT	
C37	CE 10UF +-10% 10V 6032 TANTALUM SMD-CAPACITOR	CE 0007.7281.00	VALVO	2222 195 65109 (229)	
C38	CC 3P9+-0,25 63V NPO 1206 SMD-CERAMIK-CAP. "HIGH Q"	0008.7179.00	PHILIPS	2222 576 01117	
C39	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C40	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C41	CE 10UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	0010.7914.00	PANASONIC	EEV-HB1C100	
C42	CE 10UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	0010.7914.00	PANASONIC	EEV-HB1C100	
C43	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C44	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
..46 C47	CC 3P9+-0,25 63V NPO 1206 SMD-CERAMIK-CAP. "HIGH Q"	0008.7179.00	PHILIPS	2222 576 01117	
C48	CC 3P9+-0,25 63V NPO 1206 SMD-CERAMIK-CAP. "HIGH Q"	0008.7179.00	PHILIPS	2222 576 01117	
C49	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C50	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	VITRAMON	VJ1206 A 100 C FA	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
C51	NICHT BESTUECKT/NOT FITTED CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C52	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C53	CC 10NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0099.8521.00	VITRAMON	VJ 1206 Y 103 K XAT	
C54	CC 10PF+-0,25 50VNPO 1206 CERAMIC CHIP CAPACITOR	CC 0099.8480.00	VITRAMON	VJ1206 A 100 C FA	
C55	NICHT BESTUECKT/NOT FITTED CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C56	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C57	CE 10UF+-20%35V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.5605.00	SANYO	35CV10FS	
C58	CC 1NF+-1% 50V NPO 1206 SMD CERAMIC CAPACITOR	CC 0007.7398.00	VITRAMON	VJ 1206 A 102 F XAT	
C59	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C60	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C61	CE 1UF +-10% 25V EIA3528 TANTALUM SMD-CAPACITOR	CE 0007.7217.00	SPRAGUE EL	293D 105 X9 025 B2T	
C62	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100FS	
C63	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C66	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	VITRAMON	VJ 1210 Y 224 KFATM	
C67	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C68	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C69	CE 470UF+-20% 10V RM5 ELECTROLYTIC CAPACITOR	CE 0008.1993.00	NAT. PANAS	ECA 1CFG 471 BQ	
C70	CC 100NF+-10%50V X7R 1206 CERAMIC CHIP CAPACITOR	CC 0007.5237.00	VITRAMON	VJ 1206 Y 104 K XAT	
C74	CE 10 UF+-20%16V 7X 4X 8 ELECTROLYTIC CAPACITOR	CE 0022.8085.00	ROEDERSTEI	ETR 2 10/16 20%	
C80	CE 10 UF+-20%16V 7X 4X 8 ELECTROLYTIC CAPACITOR	CE 0022.8085.00	ROEDERSTEI	ETR 2 10/16 20%	
C81	CE 10 UF+-20%16V 7X 4X 8 ELECTROLYTIC CAPACITOR	CE 0022.8085.00	ROEDERSTEI	ETR 2 10/16 20%	
D1	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	BL 0007.6291.00	PHILIPS SE	74HCT86D	
D2	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D3	BL PC74HCT165T 8B SHREG SHIFT REGISTER	BL 0007.5408.00	PHILIPS SE	74HCT165D	
D4	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	BL 0007.6291.00	PHILIPS SE	74HCT86D	
D5	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	BL 0007.6291.00	PHILIPS SE	74HCT86D	
D6	BL PC74HCT4094T 8ST.SHREG SHIFT REGISTER	BL 0007.6885.00	PHILIPS-CO	PC74HCT4094T	
D7	BL TLC2932I PLL-SYNTH PLL FREQUENCY SYNTHSIZER	1078.4375.00	TEXAS INST	TLC2932IPWLE	
D9	BL PC74HCT4040T 12B.COUNT BINARY COUNTER	BL 0007.6804.00	PHILIPS SE	74HCT4040D	
D10	BS DG409DY 2X 4CHAN.MUX IC ANALOG MULTIPLEXER	1031.5452.00	SILICONIX	DG409DY	
D12	BJ CS4328KS 18B-DAC IC DELTA SIGMA DAC	1031.5481.00	CRYSTAL-SE	CS4328-KS	
D13	BS DG409DY 2X 4CHAN.MUX IC ANALOG MULTIPLEXER	1031.5452.00	SILICONIX	DG409DY	
D14	BL PC74HCT00T 4X2IN.NAND NAND GATE	BL 0007.6156.00	PHILIPS SE	74HCT00D	
D15	BS DG411DY 4X ANALOGSCH ANALOG SWITCH	0920.1723.00	SILICONIX	DG411DY	
K1	SR 5V 500 OHM 1X1 SIL RELAY 5V SIL	1012.9604.00	CLARE	DSS4 1A 05R	
L1	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	
L2	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR	LD 0007.9255.00	SIEMENS	B82422-A1103-K100	
L3	LD SMD-DR.Z=625 OHM 50MHZ CHOKE	1078.3240.00	PHILIPS CO	4330 030 41663	

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
L4 ..9 L10	LD 10UH 10% 0,18A 1210 SMD-INDUCTOR LD 6,8UH 10% 0,13A 1210 SMD-INDUCTOR	LD 0007.9255.00 LD 0009.5186.00	SIEMENS SIEMENS	B82422-A1103-K100 B82422-A1682-K100	
L11	LD 100UH 10% 0,06A 1210 SMD-INDUCTOR	LD 0007.9261.00	SIEMENS	B82422-A1104-K100	
N1	BO OPA2604AU 2XFET OPAMP IC DUAL OPAMP	2045.4943.00	BURR BROWN	OPA2604AU	
N2	BO M78L05ACM+5V5%OA1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N3	BO OPA2604AU 2XFET OPAMP IC DUAL OPAMP	2045.4943.00	BURR BROWN	OPA2604AU	
N4	BO M78L05ACM+5V5%OA1 VREG VOLTAGE REGULATOR	0351.3451.00	NSC	LM78L05ACM	
N5	BO M79L05ACM-5V5%OA1VREGL VOLTAGE REGULATOR 5VDC	0851.6703.00	NSC	LM79L05ACM	
N6	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N7	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
N8	BO AD844BQ OPAMP CURRENT FB OPAMP	1010.6150.00	ANALOG DEV	AD844BQ	
N9	BJ DAC8143 1X12B-DAC 12B SERIAL D/A-CONVERTER	1012.9510.00	PMI	DAC8143FS	
N11	BO AD844BQ OPAMP CURRENT FB OPAMP	1010.6150.00	ANALOG DEV	AD844BQ	
N12	BO NE5534D OPAMP OPERATIONAL AMPLIFIER	0815.7555.00	SIGNETICS	NE5534D	
N13	BO TDA1013B 4.0W AMPL AF-AMPLIFIER+AF-CONTRL	1003.0572.00	PHILIPS	TDA1013B	
P2	VL EINPRESSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P4 ..11	VL EINPRESSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
P14	VL EINPRESSTIFT L=6,8 PIN	VL 0010.7250.00	AMP	1-928776-5	
R1	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R2	RG 470R +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.6976.00	DALE	CRCW 0603	....0
R3	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R4	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R6	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R7	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R8	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R9	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R10	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R11	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R12	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R13	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R14	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R15	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R16	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R17	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603	....0
R18	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R19	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0
R20	RG 100R +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5334.00	DALE	CRCW 0603	....0

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Kennz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R21	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R22	RG 10,0 OHM+-1%TK100 1206 CHIP -RESISTOR	RG 0006.8649.00	DALE	CRCW1206-10 10R F-T	
R23	RG 10K +-1% TK200 0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
. . 31	SMD-RESISTOR EIA0603				
R32	RG 100R +-1% TK200 0603	RG 0009.5334.00	DALE	CRCW 0603 . . . . 0	
	SMD-RESISTOR EIA0603				
R33	RG 3,83KOHM+-1%TK100 1206 CHIP RESISTOR	0007.0693.00	DRALORIC	CGB 3216 3,83KOHM 2%	
R34	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R35	RG 4,75KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5820.00	DALE	CRCW1206-10 4K75 F-T	
R36	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
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R39	RG 3,83KOHM+-1%TK100 1206 CHIP RESISTOR	0007.0693.00	DRALORIC	CGB 3216 3,83KOHM 2%	
R40	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
R41	RG 4,75KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5820.00	DALE	CRCW1206-10 4K75 F-T	
R42	RG 4K7 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7020.00	DALE	CRCW 0603 . . . . 0	
. . 44					
R45	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R46	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603 . . . . 0	
R47	RG 39,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5543.00	DALE	CRCW1206-10 39R2 F-T	
R48	RG 1,1KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.9951.00	DALE	CRCW1206-10 1K1 F-T	
R49	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 . . . . 0	
R50	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603 . . . . 0	
R51	RG 2K2 +-1% TK200 0603 SMD-RESISTOR EIA0603	0009.7008.00	DALE	CRCW 0603 . . . . 0	
R52	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R53	RG 100K +-1% TK200 0603 SMD RESISTOR	RG 0009.5363.00	DALE	CRCW 0603 . . . . 0	
R54	RG 39,2 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5543.00	DALE	CRCW1206-10 39R2 F-T	
R55	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
R56	RG 51,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8810.00	DALE	CRCW1206 51,10HM F T	
R57	RG 51,1 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8810.00	DALE	CRCW1206 51,10HM F T	
R58	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
. . 60					
R61	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	DALE	CRCW1206-10 3K92 F-T	
R62	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R63	RG 5,11OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8436.00	PHILIPS	RC 02	
R64	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
R65	RG 47,5 OHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5566.00	DALE	CRCW1206-10 47R5 F-T	
R66	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R67	RG 5,11OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8436.00	PHILIPS	RC 02	
R68	RG 3,92KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5808.00	DALE	CRCW1206-10 3K92 F-T	
R69	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R70	RG 5,11OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8436.00	PHILIPS	RC 02	
R71	RG 5,11OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8436.00	PHILIPS	RC 02	
R72	RG 100 OHM+-1%TK100 1206 CHIP RESISTOR	RG 0006.8884.00	DALE	CRCW1206-10 100R F-T	
R73	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	

095.0026-0693



**ROHDE & SCHWARZ**

09

10.03.97

ED MITHOERAUSGANG  
MITHOERAUSGANG

**1078.4700.01 SA**


4+



Für diese Unterlage behalten wir uns alle Rechte vor.

Kannz. Comp. No.	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R74	RG 3,57KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5795.00	DALE	CRCW1206-10 3K57 F-T	
R75	RG 1,0 KO +-1%TK100 1206 CHIP RESISTOR	RG 0006.7271.00	DALE	CRCW1206-10 1K F-T	
R76	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R77	RG 221 KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.6004.00	DALE	CRCW1206-10 221K F-T	
R78	RG 3,32KOHM+-1%TK100 1206 RESISTOR CHIP	RG 0007.5789.00	DALE	CRCW1206-10 3K32 F-T	
R79	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R80	RG 10,0KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0793.00	DALE	CRCW1206-10 10K F-T	
R81	RG 3,32OHM+-1%TK100 1206 CHIP-RESISTOR	RG 0007.8388.00	PHILIPS	RC 02	
R82	RG 10K +-1% TK200 0603 SMD-RESISTOR EIA0603	RG 0009.5357.00	DALE	CRCW 0603 ....0	
R84	RG 0-OHM WIDERSTAND 0603 O-OHM RESISTOR EIA0603	0009.9369.00	PHILIPS CO	RC21 0-OHM 2322 702	
R85	RL 0,60W 1MOHM+-1%TK50 RESISTOR	RL 0082.7862.00	DRALORIC	SMA0207/1M-F-D	
R86	RL 0,60W 1KOHM+-1%TK50 RESISTOR	RL 0082.2160.00	DRALORIC	SMA0207/1K-F-C	
V1	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V2	AD BAV99 70V DUO UDI DIODE	AD 0911.0092.00	PHILIPS-CO	BAV99	
V3	AE BZV55/C6V8 0,5W ZDI ZENER DIODE	AE 0006.9868.00	PHILIPS	BZV55/B6V8	
V4	AD 1N4448 75V UDI DIODE	AD 0012.0700.00	TEXAS INST	1N4448 GEGURTET	
V5	AD 1N4448 75V UDI DIODE	AD 0012.0700.00	TEXAS INST	1N4448 GEGURTET	
W10	DY FLACHBANDKABEL W10	1078.4769.00			
X20	FP STECKERLEISTE 10P.GER CONNECTOR 10P	0846.4593.00	SIEMENS	V23535-A2200-A102	
X30	FP STIFTELEISTE 3P.R2,54 PIN CONNECTOR	FP 0009.5863.00			

095.0026-0693

1GPK	295 3PUA	ÄI	Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Blatt-Nr. Page
	09	10.03.97	ED MITHOERAUSGANG MITHOERAUSGANG	<b>1078.4700.01 SA</b>	5-	

**Schnittstellenbeschreibung**  
Interface Description

zu: **Mithör-Option UPL-B5**  
for: Audio monitor UPL-B5

Sach-Nr.: **1078.4700.02**  
Part No.:

Blatt Nr.: /Sheet No.:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
And.-Index / Amendment																					
Blatt Nr.: /Sheet No.:	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
And.-Index / Amendment																					

erstellt von: **Burkhard Kufner / 1 GP 2**  
issued by:

Datum: **09.08.95**  
Date:



Abt.: 1 GPK	Name: Dorner	Datum: 09.08.95	Ä.M.:	Ä.I.: 01
<b>ROHDE &amp; SCHWARZ</b>	Benennung: Mithör-Option UPL-B5			Bl. 1
	Audio monitor UPL-B5			von 2
Typ: UPL	reg.i.Verz.: 1078.2008 V	Sachnummer: 1078.4700.01 SB		

Eintragung in der Spalte R (Richtung): O = Ausgang I = Eingang B = Bidirektional  
 Eintragung in der Spalte A (Art): A = Analog D = Digital P = Power  
 Eintragung in der Spalte P/T (Prüfanweisung): P = Prüfwert T = Trimmwert D = Typprüfwert E = Einstellwert

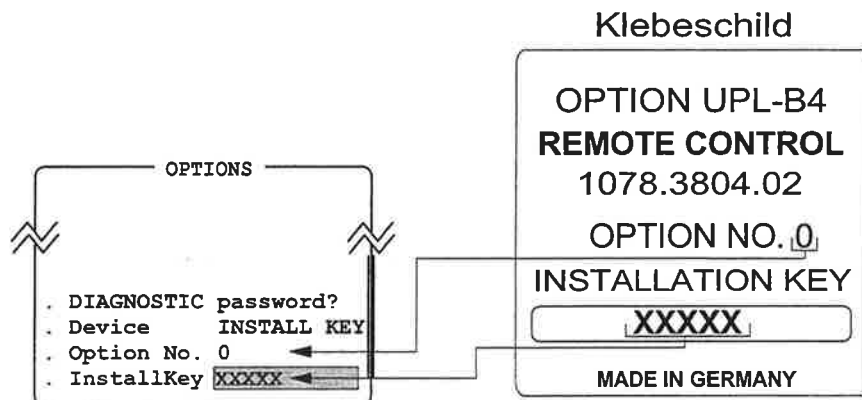
Name	Signal Beschreibung	R	A	Wertebereich	P T	Bild Nr.	Anschluss- punkt	Bemerkung
GND		B	P	0 V			W10.1	Digitalmasse
ICLOCK ( Bitclock )		I	D	TTL ( 3.072Mhz )			W10.2	für int. PLL
AMCLOCK ( Analog Master )		I	D	TTL ( 18MHz )			W10.3	unbenutzt
B5LR ( Links-Rechts-Signal )		I	D	TTL ( 48kHz )			W10.4	Framesignal
GND		B	P	0 V			W10.5	Digitalmasse
+5V		I	P	+4.95 ... +5.35V			W10.6	Digitalversorgg.
B5DATA ( serielle Daten )		I	D	TTL			W10.7	Audio v. DSP
GND		B	P	0 V			W10.8	Digitalmasse
WREN ( Write Enable )		I	D	TTL			W10.9	Latch Enable
B5CLK ( Clock )		I	D	TTL ( 1 ... 3 MHz )			W10.10	CLK f. DAC's
IAIDO ( Data in )		I	D	TTL			W10.11	SER_DATA_IN
B5WR ( Write )		I	D	TTL			W10.12	Strobe_DAC
B5RD ( Read )		I	D	TTL			W10.13	Auslesesignal
B5DI ( Data Out )		O	D	CMOS			W10.14	Statusabfrage
not in use ( P1 )				---			W10.15	
GND		B	P	0 V			W10.16	Digitalmasse
+12V		I	P	+11.5 ... +12.5V			W10.17	LS-Amplifier
+15V		I	P	+14.4 ... +15.6V			W10.18	OP-Versorgung
GND		B	P	0 V			W10.19	Digitalmasse
-15V		I	P	-14.25 ... -15.75V			W10.20	OP-Versorgung
GND		B	P	0 V			W10.21	Digitalmasse
GND A		B	P	0 V			W10.22	Analogmasse
INPMON1 ( CH1 ANLG )		I	A	0 ... 3.5V <sub>eff</sub>			W10.23	Analogsignal
GND A		B	P	0 V			W10.24	Analogmasse
INPMON2 ( CH2 ANLG )		I	A	0 ... 3.5V <sub>eff</sub>			W10.25	Analogsignal
GND A		B	P	0 V			W10.26	Analogmasse
GND		B	P	0 V			X20.1	Digitalmasse
Phone_L ( Klinkenbuchse )		O	A	0 ... 5.6V <sub>eff</sub> / 50mA			X20.2	Mon Out Links
Phone_R ( Klinkenbuchse )		O	A	0 ... 5.6V <sub>eff</sub> / 50mA			X20.3	Mon Out Rechts
GND		B	P	0 V			X20.4	Digitalmasse
GND		B	P	0 V			X20.5	Digitalmasse
GND		B	P	0 V			X20.6	Digitalmasse
GND		B	P	0 V			X20.7	Digitalmasse
Speaker_EN3 ( Klinke det. )		I	D	0V ohne Klinkenstecker +5V mit Klinkenstecker			X20.8	Steuerg. des internen LS
not in use		B	P	---			X20.9	offen
GND		B	P	0 V			X20.10	Digitalmasse
Speaker Out		B	P	max. 2W an 8Ω			X30.1	int. LS-Ausgang
GND		B	P	0 V			X30.2	Digitalmasse
GND		B	P	0 V			X30.3	Digitalmasse

Abt.: 1 GPK	Name: Dorner	Datum: 09.08.95	Ä.M.:	Ä.I.: 01
Benennung: Mithör-Option UPL-B5		Bl. 2		
Benennung: Audio monitor UPL-B5		von 2		
Typ: UPL	reg.i.Verz.: 1078.2008 V	Sachnummer: 1078.4700.01 SB		

## Freischaltung der UPL-Option Fernsteuerung (UPL-B4)

Sie haben die Software-Option **Fernsteuerung (UPL-B4)** erworben, die mittels Freischaltkode nach folgender Vorgehensweise aktiviert werden muß:

- Gerät einschalten
- Mit der Taste **OPTIONS** an der UPL-Frontplatte oder dem Tastendruck **ALT+O** an der externen Tastatur das **OPTIONS**-Panel wählen und mit der **Cursor-** oder **Page-Taste** zum Panel-Ende rollen.
- Entsprechend folgender Abbildung die auf dem beiliegenden Klebeschild abgedruckten Nummern in die mit **Option No.** und **InstallKey** beschrifteten Felder im **OPTIONS**-Panel eintragen.



Wurde der Freischaltkode (Installation Key) richtig eingegeben, erfolgt die Meldung:

Option installed!

Wurde der Freischaltkode falsch eingegeben, erfolgt die Meldung:

Wrong Installation Key!  
Turn power off and restart UPL!

Nach Aus/Einschalten des UPL kann der Vorgang wiederholt werden.

Wird der Freischaltkode erneut eingegeben, ohne den UPL aus/einzuschalten, erfolgt die Meldung:

To retype Installation Key,  
turn power off and restart UPL!

- Das Klebeschild sollte unverlierbar an der Rückseite des UPL-Gehäuses angebracht werden, da der Freischaltkode vom R&S-Service ggf. für Reparatur- oder Wartungsarbeiten benötigt wird.

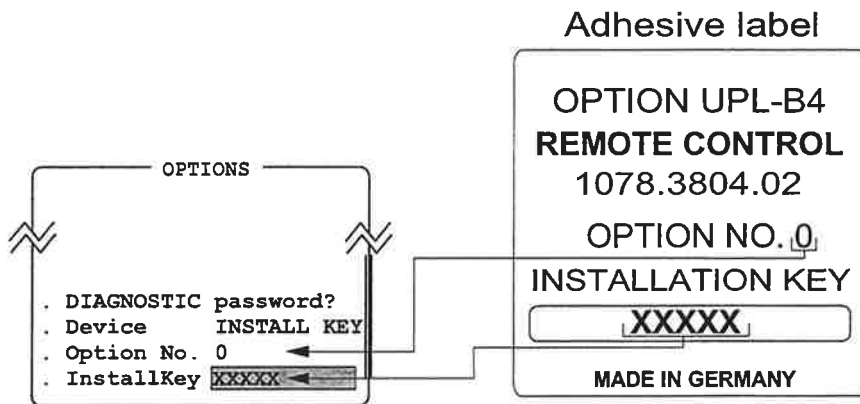
02				1GPK	Tag	Name	Benennung	
				Bearb.	13.02.96	Ne	<h1 style="margin: 0;">Installationsanweisung</h1> <p style="margin: 0;">INSTALLATION INSTRUCTION</p>	
				Gepr.				
				Norm				
				 <b>ROHDE &amp; SCHWARZ</b>			Zeichn.-Nr.	Blatt-Nr.
							1078.3840	1
Änd. Zust.	Änderungs-Mitteilung	Tag	Name	zu Gerät UPL-B4			reg. i. v. 1078.3804.02	erste Z. 1078.3804
								v. Bl. 2



## Installation of UPL Option Remote Control (UPL-B4)

You have purchased software option **Remote Control (UPL-B4)**, which needs to be activated by means of an installation key as described in the following:

- Switch on unit
- Press **OPTIONS** key on the UPL front panel or keys **ALT+O** on the external keyboard to select the **OPTIONS** panel. Move to the end of the panel using the cursor or page key.
- Enter the numbers printed on the enclosed adhesive label into the fields labelled **Option No.** and **InstallKey** in the **OPTIONS** panel as shown in the following illustration.



If the correct installation key has been entered, the following message appears:

Option installed!

If a wrong installation key has been entered, the following message appears:

Wrong Installation Key!  
Turn power off and restart UPL!

After switching UPL off and on the procedure can be retried.

If the installation key is reentered without switching UPL off and on, the following message appears:

To retype Installation Key,  
turn power off and restart UPL!

- The adhesive label should be securely fixed to the rear panel of UPL as the installation key might be required by R&S service staff to carry out maintenance or repair tasks.

Für diese Unterlage behalten wir uns alle Rechte vor.



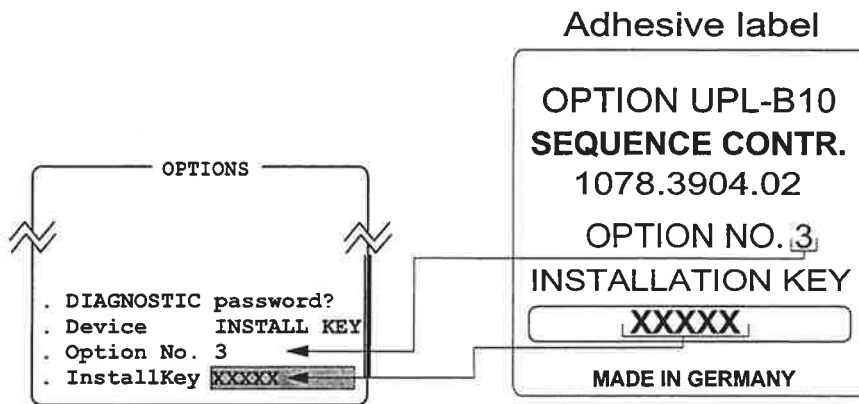
02				1GPK	Tag	Name	Benennung	
				Bearb.	13.02.96	Ne	<h1>Installationsanweisung</h1> <h2>INSTALLATION INSTRUCTION</h2>	
				Gepr.				
				Norm				
							Zeichn.-Nr.	Blatt-Nr.
				<b>ROHDE &amp; SCHWARZ</b>			1078.3840	2
Änd. Zust.	Änderungs-Mitteilung	Tag	Name				zu Gerät UPL-B4	
							reg. i. V. 1078.3804.02	erste Z. 1078.3804



## Installation of UPL Option Universal Sequence Controller (UPL-B10)

You have purchased software option **Universal Sequence Controller (UPL-B10)**, which needs to be activated by means of an installation key as described in the following:

- Switch on unit
- Press **OPTIONS** key on the UPL front panel or keys **ALT+O** on the external keyboard to select the **OPTIONS** panel. Move to the end of the panel using the cursor or page key.
- Enter the numbers printed on the enclosed adhesive label into the fields labelled **Option No.** and **InstallKey** in the **OPTIONS** panel as shown in the following illustration.



If the correct installation key has been entered, the following message appears:

Option installed!

If a wrong installation key has been entered, the following message appears:

Wrong Installation Key!  
Turn power off and restart UPL!

After switching UPL off and on the procedure can be retried.

If the installation key is reentered without switching UPL off and on, the following message appears:

To retype Installation Key,  
turn power off and restart UPL!

- The adhesive label should be securely fixed to the rear panel of UPL as the installation key might be required by R&S service staff to carry out maintenance or repair tasks.

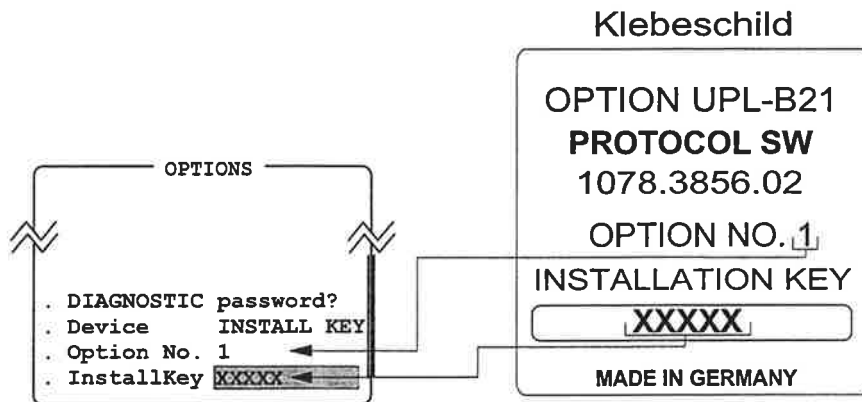


02				1GPK	Tag	Name	Benennung	
				Bearb.	13.02.96	Ne	<h1>Installationsanweisung</h1> <h2>INSTALLATION INSTRUCTION</h2>	
				Gepr.				
				Norm				
							Zeichn.-Nr.	Blatt-Nr.
				<b>ROHDE &amp; SCHWARZ</b> zu Gerät UPL-B10			1078.3940	2
Änd. Zust.	Anderungs-Mitteilung	Tag	Name				reg. i. V.	1078.3904.02

## Freischaltung der UPL-Option Digital Audio Protokoll (UPL-B21)

Sie haben die Software-Option **Digital Audio Protokoll (UPL-B21)** erworben, die mittels Freischaltcode nach folgender Vorgehensweise aktiviert werden muß:

- Gerät einschalten
- Mit der Taste **OPTIONS** an der UPL-Frontplatte oder dem Tastendruck **ALT+O** an der externen Tastatur das **OPTIONS**-Panel wählen und mit der **Cursor-** oder **Page-Taste** zum Panel-Ende rollen.
- Entsprechend folgender Abbildung die auf dem beiliegenden Klebeschild abgedruckten Nummern in die mit **Option No.** und **InstallKey** beschrifteten Felder im **OPTIONS**-Panel eintragen.



Wurde der Freischaltcode (Installation Key) richtig angegeben, erfolgt die Meldung:

Option installed!

Wurde der Freischaltcode falsch eingegeben, erfolgt die Meldung:

Wrong Installation Key!  
Turn power off and restart UPL!

Nach Aus/Einschalten des UPL kann der Vorgang wiederholt werden.

Wird der Freischaltcode erneut eingegeben, ohne den UPL aus/einzuschalten, erfolgt die Meldung:

To retype Installation Key,  
turn power off and restart UPL!

- Das Klebeschild sollte unverlierbar an der Rückseite des UPL-Gehäuses angebracht werden, da der Freischaltcode vom R&S-Service ggf. für Reparatur- oder Wartungsarbeiten benötigt wird.



02				1GPK	Tag	Name	Benennung	
				Bearb.	13.02.96	Ne	<b>Installationsanweisung</b> INSTALLATION INSTRUCTION	
				Gepr.				
				Norm				
				<b>ROHDE &amp; SCHWARZ</b>			Zeichn.-Nr.	Blatt-Nr.
				zu Gerät UPL-B21			<b>1078.3891</b>	<b>1</b>
Änd. Zust.	Änderungs-Mitteilung	Tag	Name	reg. i. v. 1078.3856.02			erste Z. 1078.3856	v. Bl. 2

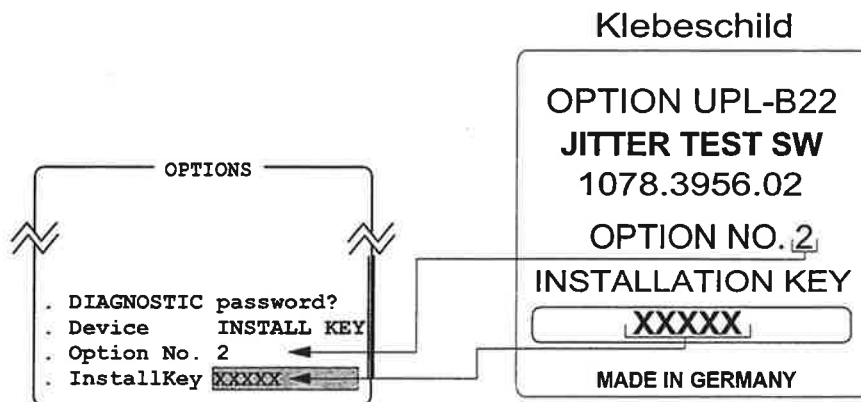




## Freischaltung der UPL-Option Jitter- und Interface Test (UPL-B22)

Sie haben die Software-Option **Jitter- und Interface Test (UPL-B22)** erworben, die mittels Freischaltcode nach folgender Vorgehensweise aktiviert werden muß:

- Gerät einschalten
- Mit der Taste **OPTIONS** an der UPL-Frontplatte oder dem Tastendruck **ALT+O** an der externen Tastatur das **OPTIONS**-Panel wählen und mit der **Cursor-** oder **Page-Taste** zum Panel-Ende rollen.
- Entsprechend folgender Abbildung die auf dem beiliegenden Klebeschild abgedruckten Nummern in die mit **Option No.** und **InstallKey** beschrifteten Felder im **OPTIONS**-Panel eintragen.



Wurde der Freischaltcode (Installation Key) richtig angegeben, erfolgt die Meldung:

Option installed!

Wurde der Freischaltcode falsch eingegeben, erfolgt die Meldung:

Wrong Installation Key!  
Turn power off and restart UPL!

Nach Aus/Einschalten des UPL kann der Vorgang wiederholt werden.

Wird der Freischaltcode erneut eingegeben, ohne den UPL aus/einzuschalten, erfolgt die Meldung:

To retype Installation Key,  
turn power off and restart UPL!

- Nach Installation der Software muß die Phasenkalibrierung durchgeführt werden:
  - 30 min Aufwärmzeit des UPL abwarten
  - Kalibrier-Routine im **OPTIONS**-Panel aufrufen:
    - in der Zeile **CALIBRATION DIG PhaseToRef** „ONCE“ selektieren
  - Die Kalibrierung läuft automatisch ab
- Das Klebeschild sollte unverlierbar an der Rückseite des UPL-Gehäuses angebracht werden, da der Freischaltcode vom R&S-Service ggf. für Reparatur- oder Wartungsarbeiten benötigt wird.

Für diese Unterlage behalten wir uns alle Rechte vor.

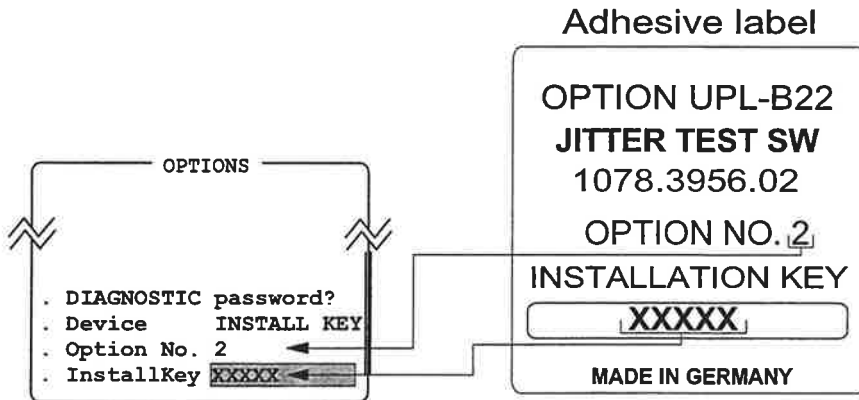


03				1GPK	Tag	Name	Benennung	
				Bearb.	25.06.96	Ne	<b>Installationsanweisung</b> INSTALLATION INSTRUCTION	
				Gepr.				
				Norm				
							Zeichn.-Nr.	Blatt-Nr.
							1078.3991	1
Änd. Zust.	Änderungs-Mitteilung	Tag	Name	zu Gerät UPL-B22		reg. i. V. 1078.3956.02	erste Z. 1078.3956	v. Bl. 2

## Installation of UPL Option Jitter and Interface Test (UPL-B22)

You have purchased software option **Jitter and Interface Test (UPL-B22)**, which needs to be activated by means of an installation key as described in the following:

- Switch on unit
- Press **OPTIONS** key on the UPL front panel or keys **ALT+O** on the external keyboard to select the **OPTIONS** panel. Move to the end of the panel using the cursor or page key.
- Enter the numbers printed on the enclosed adhesive label into the fields labelled **Option No.** and **InstallKey** in the **OPTIONS** panel as shown in the following illustration.



If the correct installation key has been entered, the following message appears:

Option installed!

If a wrong installation key has been entered, the following message appears:

Wrong Installation Key!  
Turn power off and restart UPL!

After switching UPL off and on the procedure can be retried.

If the installation key is reentered without switching UPL off and on, the following message appears:

To retype Installation Key,  
turn power off and restart UPL!

- Having installed the software, the phase calibration has to be performed:
  - Allow the UPL to warm up for 30 min
  - Call calibration routine in **OPTIONS** Panel:
    - select "ONCE" in **CALIBRATION DIG PhaseToRef** line
  - Calibraton is run automatically
- The adhesive label should be securely fixed to the rear panel of UPL as the installation key might be required by R&S service staff to carry out maintenance or repair tasks.

Für diese Unterlage behalten wir uns alle Rechte vor.



03				1GPK	Tag	Name	Benennung	
				Bearb.	25.06.96	Ne	<h1 style="margin: 0;">Installationsanweisung</h1> <h2 style="margin: 0;">INSTALLATION INSTRUCTION</h2>	
				Gepr.				
				Norm				
							Zeichn.-Nr.	Blatt-Nr.
							1078.3991	2
Änd. Zust.	Änderungs-Mitteilung	Tag	Name	<b>ROHDE &amp; SCHWARZ</b>		reg. i. V. 1078.3956.02		v. Bl. 2
				zu Gerät UPL-B22		erste Z. 1078.3956		