

## 5 Documents

This chapter contains the documents for the CMU basic unit. The documents for the modules with the description of function, adjustment and interfaces are relegated to the Service Manual, Stock no. 1110.4903.92. To order replacement parts and modules please contact our *spare parts express service* or your Rohde & Schwarz service representative and note the hints given in the following section, *Module and Cable Exchange*.

The address of our *spare parts express service* and a list of Rohde & Schwarz representatives can be found at the beginning of this service manual.

### Module and Cable Exchange

Table 5-1 at the end of this section lists all power cables available. The stock numbers necessary for ordering replacement parts and modules can be found in the component lists further down.



#### Important Note!

*When replacing a module please note the safety instructions and the repair instructions given in chapter 3 of this service manual.*

#### Ordering replacement parts

To deliver replacement parts promptly and correctly we need the following indications:

- Stock number (see component lists in this chapter)
- Designation
- Component number according to component list
- Number of pieces
- Instrument type the replacement part belongs to
- Contact person for possible questions

#### Replaced modules

Replaced modules are an economic alternative for original modules. It should be kept in mind that replaced modules are not new, but repaired and fully tested parts. They may have traces from use but they are electrically and mechanically equivalent to new modules.

To find out which replaced modules are available, please refer to your Rohde & Schwarz representative (or to the central service division, Rohde & Schwarz Munich). The identification number is usually the same as for the original module, but with a variant index .95, .96, .97 or .98.

#### Ordering and delivery of replaced modules

For ordering replaced modules, the same indications as for ordinary parts are required, however, with the corresponding variant index appended to the stock number.

#### Taking back defective replacement modules

Defective modules of the replacement program which can be repaired are taken back within **3 months** after delivery of the replaced module. A repurchasing value is credited.

Excluded are parts which can not be repaired, e.g. PCBs that are burnt, broken or damaged by repair attempts, incomplete modules, parts which are heavily damaged mechanically.

The defective parts must be sent back with a **returned accompanying document** containing the following information:

- Stock number, serial number and designation of the dismantled part,
- **Precise** description of the error,
- Stock number, serial number and designation of the instrument the part was dismantled from,
- Date of dismantling,
- Name of the technician who exchanged the part.

A returned accompanying document is provided with each replacement module.

Table 5-1 List of power cables available

<b>Stock No.</b>	<b>Earthed-contact connector</b>	<b>Preferably used in</b>
DS 006.7013	BS1363: 1967 complying with IEC 83: 1975 standard B2	Great Britain
DS 006.7020	Type 12 complying with SEV-regulation 1011.1059, standard sheet S 24 507	Switzerland
DS 006.7036	Type 498/13 complying with US-regulation UL 498, or with IEC 83	USA/Canada
DS 006.7107	Type SAA3 10 A, 250 V, complying with AS C112-1964 Ap.	Australia
DS 0025.2365 DS 0099.1456	DIN 49 441, 10 A, 250 V, angular DIN 49 441, 10 A, 250 V, straight	Europe (except Switzerland)



**Overview of  
Spare Parts  
for CMU Basic Unit**

**List of CMU Spare Parts**

The CMU is constructed in accordance with R&S design 2000.

Overall dimension: W x H x L, 465 mm x 193 mm x 517 mm

Rackmount: 4E 1/1 T450

**Note:** *The parts which are fitted with a Current No. can be ordered as spare parts.*

Current No.	Designation	Stock No.	Electr.No.
10	Instrument frame	1090.9080.00	
80	Instrument fan	1091.1001.00	
90	Instrument fan cover	1091.0840.00	
150	Cover	1100.0872.00	
170	Cage	1091.0111.00	
180	Part of the mounting plate	1091.0028.00	
190	Partition	1091.0128.00	
200	Locking bracket	1091.0405.00	
210	Loudspeaker	1100.0837.00	E 1
220	Loudspeaker support	1091.0640.00	
220	Cover hood large	0009.9200.00	
230	Cover hood small	0143.4180.00	
240	Cover hood medium	0528.8500.00	
250	Sub D cover (9-pins)	1050.9243.00	
260	Labeling panel	1100.0143.00	
270	FRONT MODULE MODEL 04=COLOR DISPLAY 48 MB / FMR4	1090.9244.04	A 1
275	FRONT MODULE MODEL 12=COLOR DISPLAY 64 MB / FMR5	1090.9244.12	A 1

<b>Current No.</b>	<b>Designation</b>	<b>Stock No.</b>	<b>Electr.No.</b>
280	Keyboard frame	1091.1153.00	
290	Keyboard mat	1100.0166.00	
300	Keyboard membrane	1100.2008.00	A 15
310	Mounting plate	1090.9680.00	
320	Shielded filter plate	1091.2014.00	
330	RF Spring long	1069.3011.00	
340	RF Spring short	1069.3105.00	
350	Plate support	0852.0844.00	
360	LCD VAR 04	0048.4435.00	A 14
365	LCD VAR 12	0048.6980.00	A 14
370	Display connector VAR 04	1091.0286.00	W 17
375	Display connector VAR 12	1091.0911.00	W 17
380	Spinwheel VAR 04	0852.1140.00	B 12
385	Spinwheel VAR 12	0852.1134.00	B 12
390	Rotary knob	0852.1086.00	
400	Shielding VAR 04	1090.9838.00	
405	Shielding VAR 12	1091.1030.00	
410	DC/AC converter VAR 04	0048.3568.00	T 3
415	DC/AC converter VAR 12	0048.6996.00	T 3
420	Converter connector VAR 04	1091.2214.00	W 13
425	Converter connector VAR 12	1091.0928.00	W 13
430	Hood VAR 04	1090.9844.00	

Current No.	Designation	Stock No.	Electr.No.
435	Hood VAR 12	1091.1024.00	
440	Panel	1090.9650.00	
450	FRONT MODULE CONTROLLER VAR 04	1091.2108.00	A 4
455	FRONT MODULE CONTROLLER VAR 12	1091.2489.00	A 4
460	Lithium battery	0565.1687.00	
470	Memory MODULES 16 MB (SIMM -72) VAR 04	0010.9369.00	
475	Memory MODULES 32 MB (SODIMM -144) VAR 12	0048.5654.00	
480	Memory MODULES 32 MB (SIMM -72) VAR 04	0048.5025.00	
485	Memory MODULES 64 MB (SODIMM -144) VAR 12	4054.9518.00	
490	Hard disk program.VAR 04	1090.9250.00	D 11
495	Hard disk program.VAR 12	1100.0989.00	D 11
510	Fan VAR 04	1090.9867.00	E 10
515	Fan VAR 12	1091.0292.00	E 10
520	RF FRONTEND	1100.3042.02	A 20
530	Fan	1100.3088.00	
540	REFERENCE BOARD	1100.2600.02	A 10
550	RX/TX BOARD1	1100.1404.02 1100.1733.02 <sup>1</sup>	A 3
555	TR CORRECTION MODULE	1100.1604.02	A 301
560	Reserved		
565	Reserved		

<sup>1</sup> New RXTX BOARD1 1100.1733.02 replaces old RXTX BOARD1 1100. 1404.02. 1100.1703.02 cannot be replaced by 1100.1404.02.

Current No.	Designation	Stock No.	Electr.No.
570	DIGITAL BOARD	1100.1791.02	A 7
575	DIGITAL BOARD	1100.1804.02	A 700
580	DDC MODULE1	1100.2300.03	A 710
585	DDC MODULE2	1100.2300.03	A 730
590	AUC MODULE1	1100.2500.02	A 760
595	AUC MODULE2	1100.2500.02	A 780
600	TXDSP MODULE1	1100.2100.03	A 750
605	TXDSP MODULE2	1100.2100.03	A 770
610	ADC MODULE1	1100.2200.02	A 720
615	ADC MODULE2	1100.2200.02	A 740

620	MOTHERBOARD1	1100.1110.02 1100.0920.02 <sup>2</sup> *	A 200
630	MOTHERBOARD2	1100.1127.02 1100.0937.02 <sup>3</sup> *	A 201
640	REARPANEL BOARD1	1100.1140.02 1100.0950.02 <sup>4</sup> *	A 204
650	REARPANEL BOARD2	1100.1191.02 1100.0966.02 <sup>5</sup> *	A 202
660	FRONTPANEL BOARD	1100.1204.02 1100.0943.02 <sup>6</sup> *	A 203

670	POWER SUPPLY	1091.2320.00	A 100
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<b>CMU-B11</b> OCXO REFERENCE OSC.		1100.5000.02	
690	OCXO REFERENCE OSC.	1100.2900.02	

<b>CMU-B12</b> OCXO REFERENCE OSC.		1100.5100.02	
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<sup>2</sup> New MOTHERBOARD1 1100.0920.02 replaces old MOTHERBOARD1 1100.1110.02. 1100.0920.02 cannot be replaced by 1100.1110.02.

<sup>3</sup> New MOTHERBOARD2 1100.0937.02 replaces old MOTHERBOARD2 1100.1127.02. 1100.0937.02 cannot be replaced by 1100.1127.02.

<sup>4</sup> New REARPANEL BOARD1 1100.0950.02 replaces old REARPANEL BOARD1 1100.1140.02. 1100.0950.02 cannot be replaced by 1100.1140.02.

<sup>5</sup> New REARPANEL BOARD2 1100.0966.02 replaces old REARPANEL BOARD2 1100.1191.02. 1100.0966.02 cannot be replaced by 1100.1191.02.

<sup>6</sup> New FRONTPANEL BOARD 1100.0943.02 replaces old FRONTPANEL BOARD 1100.1204.02. 1100.0943.02 cannot be replaced by 1100.1204.02.

Current No.	Designation	Stock No.	Electr.No.
710	OCXO REFERENCE OSC.	1100.2900.03	
<b>CMU-B21 UNIVERS.SIGN.UNIT</b>		1100.5200.02	
730	UNIV. SIGN. UNIT	1100.5216.02 <sup>7</sup> 1100.5216.03 <sup>8</sup>	A 8 / A 9
735	LINK HANDLER BOARD	1097.3570.02	A 400
740	DSP MODULE0	1097.3106.03 <sup>9</sup> 1097.3129.03 <sup>9</sup>	A 440
741	DSP MODULE1	1097.3106.03 <sup>9</sup> 1097.3129.03 <sup>9</sup>	A 450
742	DSP MODULE2	1097.3106.03 <sup>9</sup> 1097.3129.03 <sup>9</sup>	A 460
750	I/Q OUT MODULE	1100.2000.02	A 430
<b>CMU-B41 AUDIO-GEN. + ANA.</b>		1100.5300.02	
755	AUDIO BOARD	1100.2800.02	A11
756	DSP MODULE	1097.3106.03 <sup>9</sup> 1097.3129.03 <sup>9</sup>	A1101
757	RF cable	1100.3659.00	W 34*
758	RF cable	1100.3665.00	W 40*
<b>CMU-B52 SPEECH CODEC</b>		1100.5400.02	A 420
760	SPEECH CODEC	1100.2730.02	
765	DSP MODULE3	1097.3106.03 <sup>9</sup> 1097.3129.03 <sup>9</sup>	A 470
<b>CMU-U61 FLOPPY DISK DRIVE</b>		11005500.02	
780	Floppy	1091.2072.00	
790	Support	1091.0228.00	
800	Frame	1091.0211.00	

<sup>7</sup> 1100.5216.02 contains DSP MODULES 1097.3106.03 and I/Q OUT MODULE 1100.2000.02

<sup>8</sup> 100.5216.03 contains DSP MODULES 1097.3129.03 and I/Q OUT MODULE 1100.2000.02

<sup>9</sup> New DSP MODULE 1097.3129.03 replaces old DSP MODULE 1097.3106.03. 1097.3129.03 cannot be replaced by 1097.3106.03.

\* If one of the new boards (620...660) is used, all other boards (620...660) must be replaced.



Current No.	Designation	Stock No.	Electr.No.
810	Flex strip connection	1091.2066.00	
830	PCMCIA INTERFACE	1100.5616.02	
840	Card slot	1047.2006.00	
850	RF cable	1100.3894.00	W 5*
860	RF cable	1100.3907.00	W 6*
870	RF cable	1100.3913.00	W 7*
880	RF cable	1100.3920.00	W 8*
910	RF cable	1100.3965.00	W 12*
920	RF cable	1100.3971.00	W 13*
930	RF cable	1100.3988.00	W 14*
940	RF cable	1100.4010.00	W 17*
950	RF cable	1100.4026.00	W 18*
960	RF cable	1100.4032.00	W 19*
970	RF cable	1100.4155.00	W 31*
980	RF cable	1100.4161.00	W 32*
990	RF cable	1100.4178.00	W 33*
1000	RF cable	1100.4190.00	W 35*
1010	RF cable	1100.4203.00	W 36*
1020	RF cable	1100.4210.00	W 37*
1030	Tube	1100.0743.00	

<sup>9</sup> New DSP MODULE 1097.3129.03 replaces old DSP MODULE 1097.3106.03. 1097.3129.03 cannot be replaced by 1097.3106.03.

\* as shown in drawing 1100.0872 sheet 1.

\* as shown in drawing 1100.0872 sheet 1.

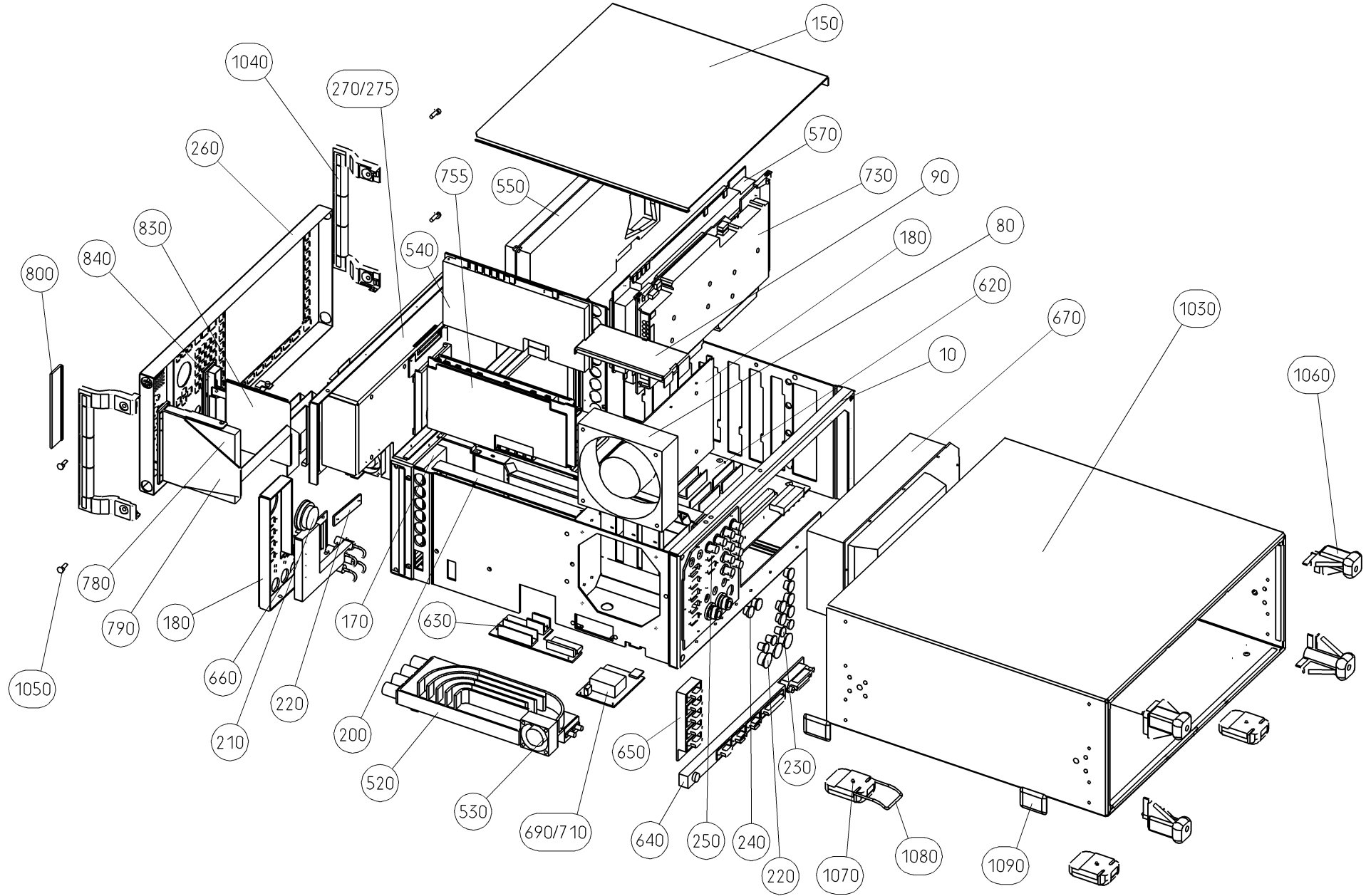
<b>Current No.</b>	<b>Designation</b>	<b>Stock No.</b>	<b>Electr.No.</b>
1040	Front grip	1096.1480.00	
1050	Screw	1096.4780.00	
1060	Rear panel foot	1096.2493.00	
1070	Instrument foot	1096.2506.00	
1080	Clamp	1096.2529.00	
1090	Tube hood	1096.2558.00	



**Drawings of all**

**CMU Spare Parts**

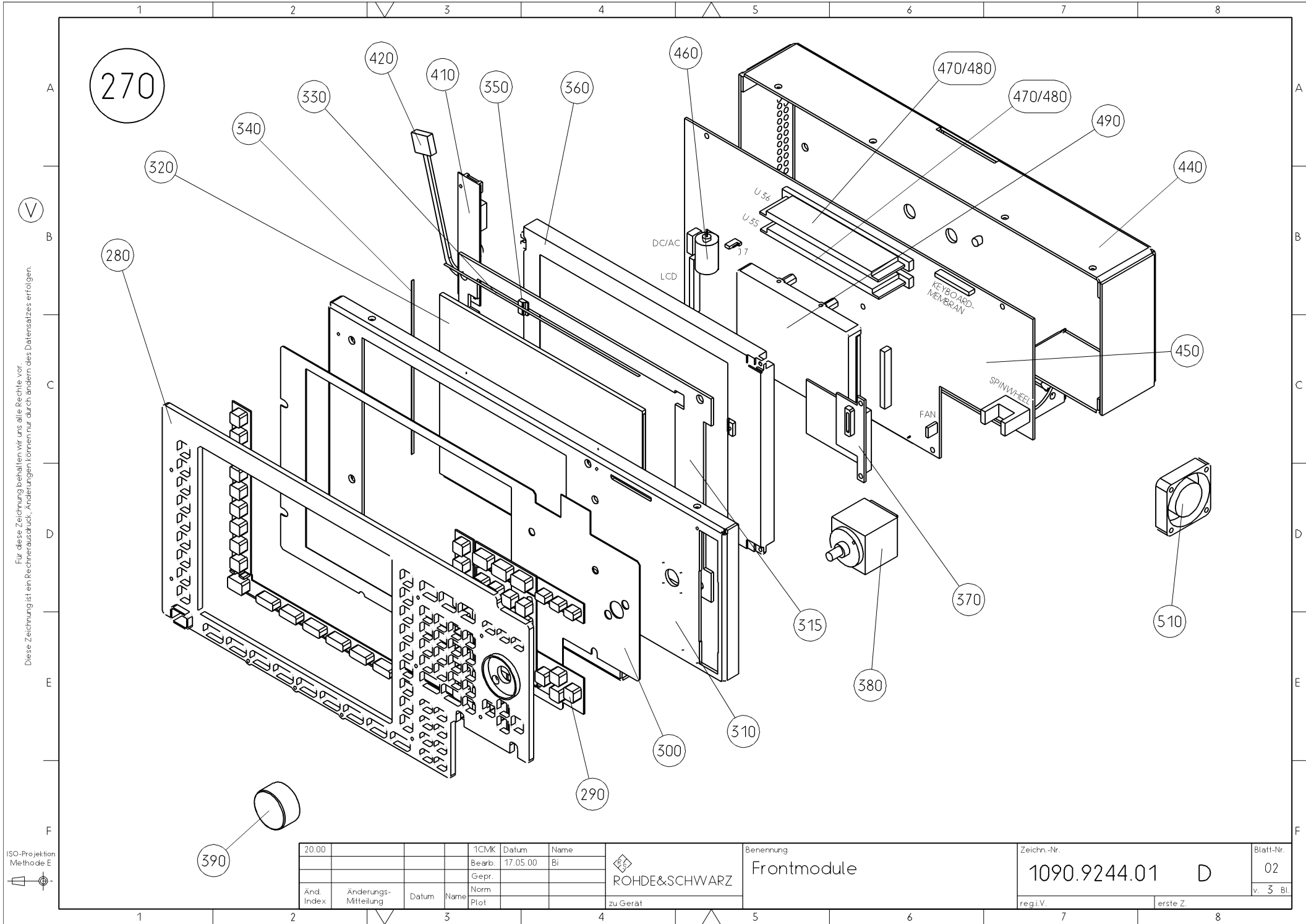
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ISO-Projektion  
Methode E

08.00				1CMK	Datum	Name	 ROHDE & SCHWARZ	Benennung GG CMU200 UNIV. RADIOCOM.	Zeichn.-Nr. 1100.0008.01	D	Blatt-Nr. 2
				Bearb.	17.11.99	Bi					
				Gepr.							
And.	Änderungs-	Datum	Name	Norm			zu Gerät		regi.V.	erste Z.	v. 3 Bl.

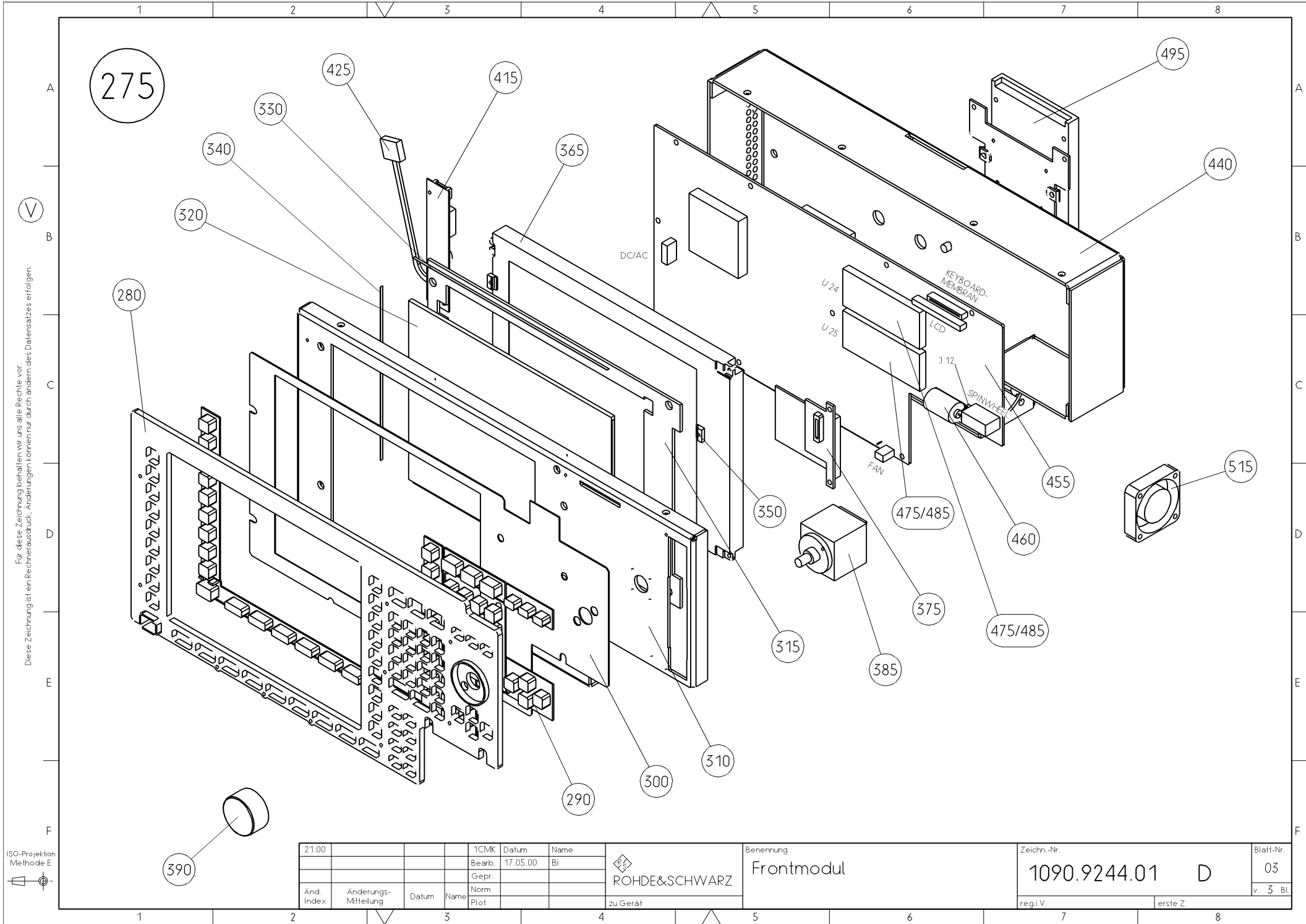
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ISO-Projektion  
Methode E

20.00				1CMK	Datum	Name	 ROHDE&SCHWARZ	Benennung	Zeichn.-Nr.	Blatt-Nr.	
				Bearb.	17.05.00	Bi					
				Gepr.							
Änd. Index	Änderungs-Mitteilung	Datum	Name	Norm	Plot	zu Gerät				v. 3 Bl.	
									1090.9244.01	D	02
								regi.V.	erste Z.		

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ISO-Projektion  
Methode E

21.00				1CMVK	Datum	Name	 <b>ROHDE&amp;SCHWARZ</b>	Benennung <b>Frontmodul</b>	Zeichn.-Nr. <b>1090.9244.01</b>	<b>D</b>	Blatt-Nr. <b>03</b>
				Bearb.	17.05.00	Bi					
				Gepr.							
Änd. Index	Änderungs-Mitteilung	Datum	Name	Norm	Plot		zu Gerät	reg.i.V.	erste Z.		v. 3 Bl.

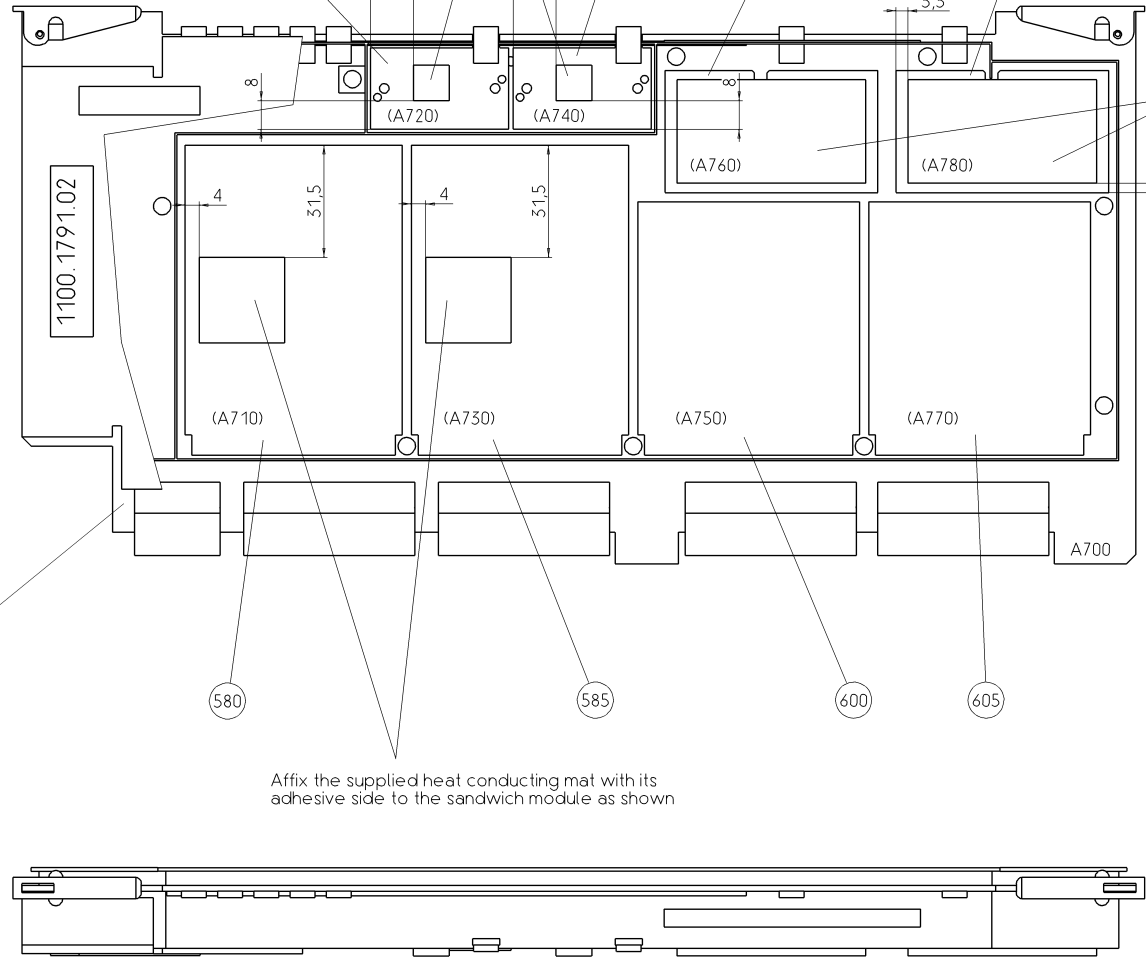
570

Affix the supplied heat conducting mat with its adhesive side to the sandwich module as shown

Affix the supplied conducting mat with its adhesive side to the sandwich module as shown

Affix the supplied heat conducting mat with its adhesive side to the sandwich module as shown

1100.1791.02



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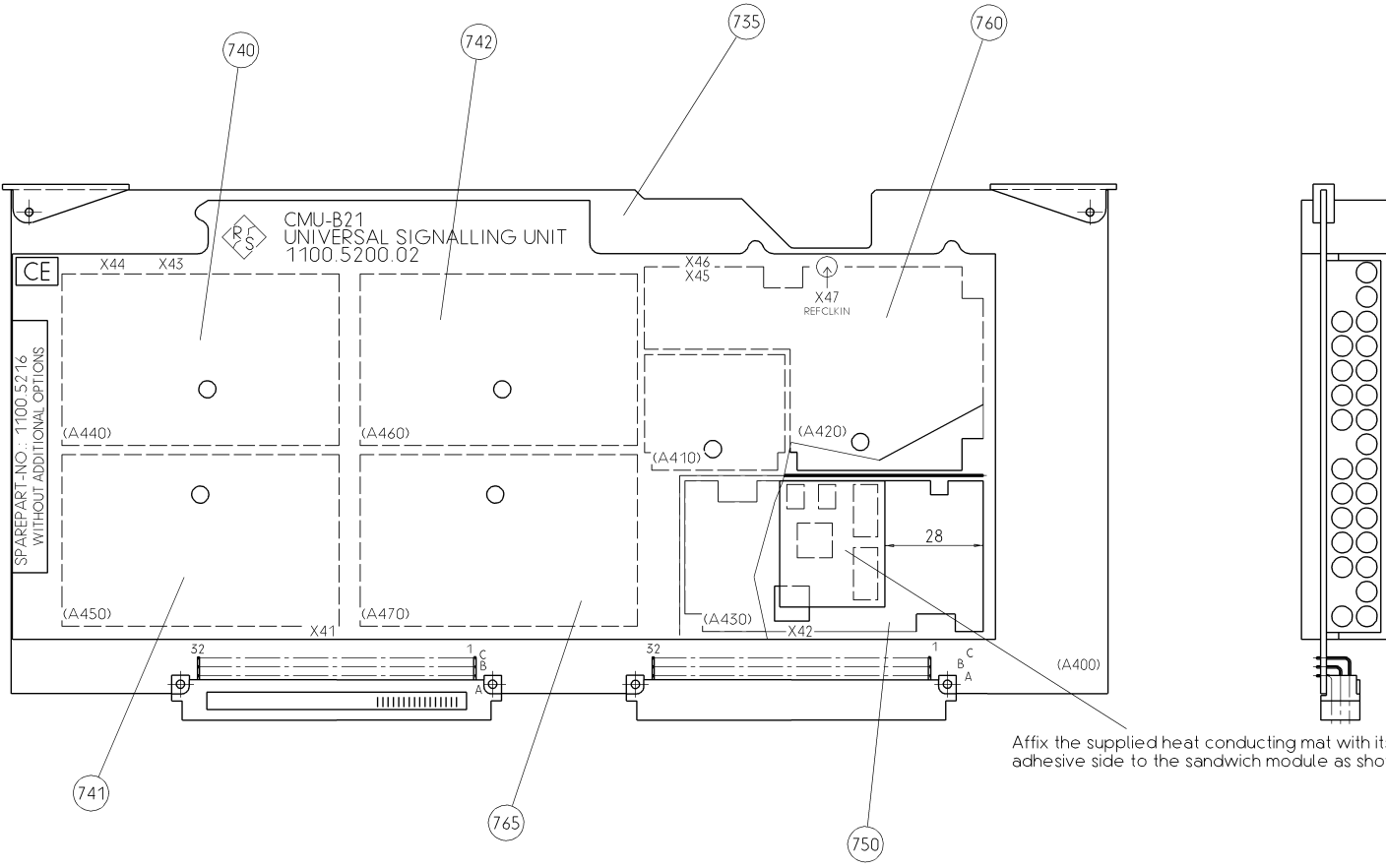
ISO-Projektion  
Methode E

				Maße ohne Toleranzangabe			Maßstab 1:1	
							Werkstoff	
04.01		29.04.99	Bl	1CMK	Datum	Name	Benennung	
				Bearb.	29.04.99	Bl	DIGITALBOARD	
				Gepr.				
				Norm				
				Plot				
And. Index	Änderungs-Mitteilung	Datum	Name				Zeichn.-Nr.	Blatt-Nr.
				zu Gerät			1100.1791.01	2
							regl.V. 1100.0008.00	v. Bl.
							erste Z.	





730



Affix the supplied heat conducting mat with its adhesive side to the sandwich module as shown

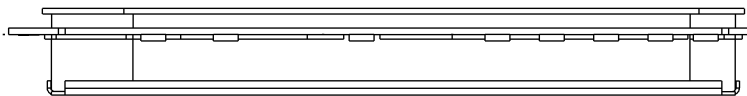
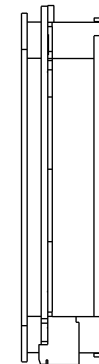
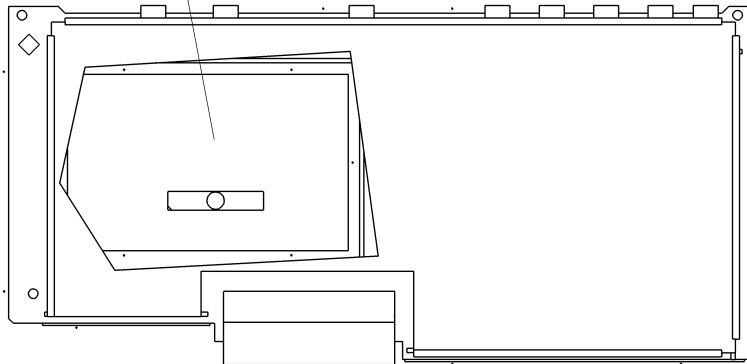
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07.00				1CMK	Datum	Name	Maße ohne Toleranzangabe		Maßstab 1:1		
				Bearb.	29.04.99	Bl	Verl. Stoff				
				Gepr.			Benennung		UNIVERS. SIGN. UNIT		
				Norm							
				Plot							
								Zeichn.-Nr.		Blatt-Nr.	
								1100.5216.01		02	
								D		Bl	
And. Index	Änderungs-Mitteilung	Datum	Name	zu Gerät		ROHDE&SCHWARZ		regl. V.	1100.5200.00	erste Z.	1100.5200.01
								10		11	
										12	

755

756



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		Maße ohne Toleranzangabe		Maßstab 1:1	
		Werstoff			
02.02		1CMK	Datum	Name	Benennung
		Bearb.	27.09.99	Bl	AUDIO BOARD
		Gepr.			
		Norm			
		Plot			
And. Index	Änderungs-Mitteilung	Datum	Name	Zeichn.-Nr. 1100.2800.01 D	
				Blatt-Nr. 3	
				v. 5 Bl.	
				ROHDE&SCHWARZ	
				zu Gerät CMU	
				regl.V.	
				erste Z. 1100.0008.01	



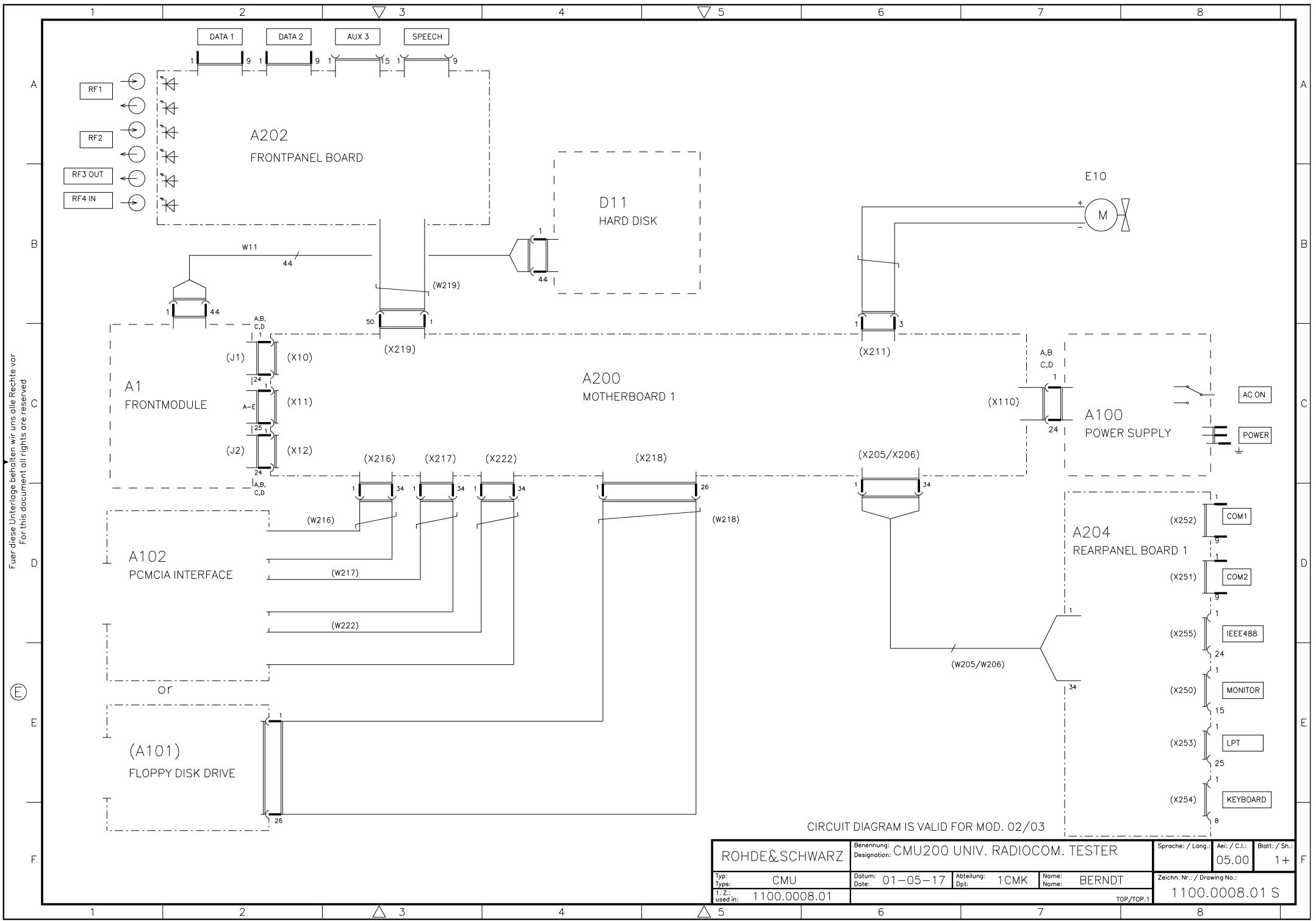
**ROHDE & SCHWARZ**

**Circuit Diagram**

**Part List**

**Adjustment Devices**

**for CMU Basic Unit**

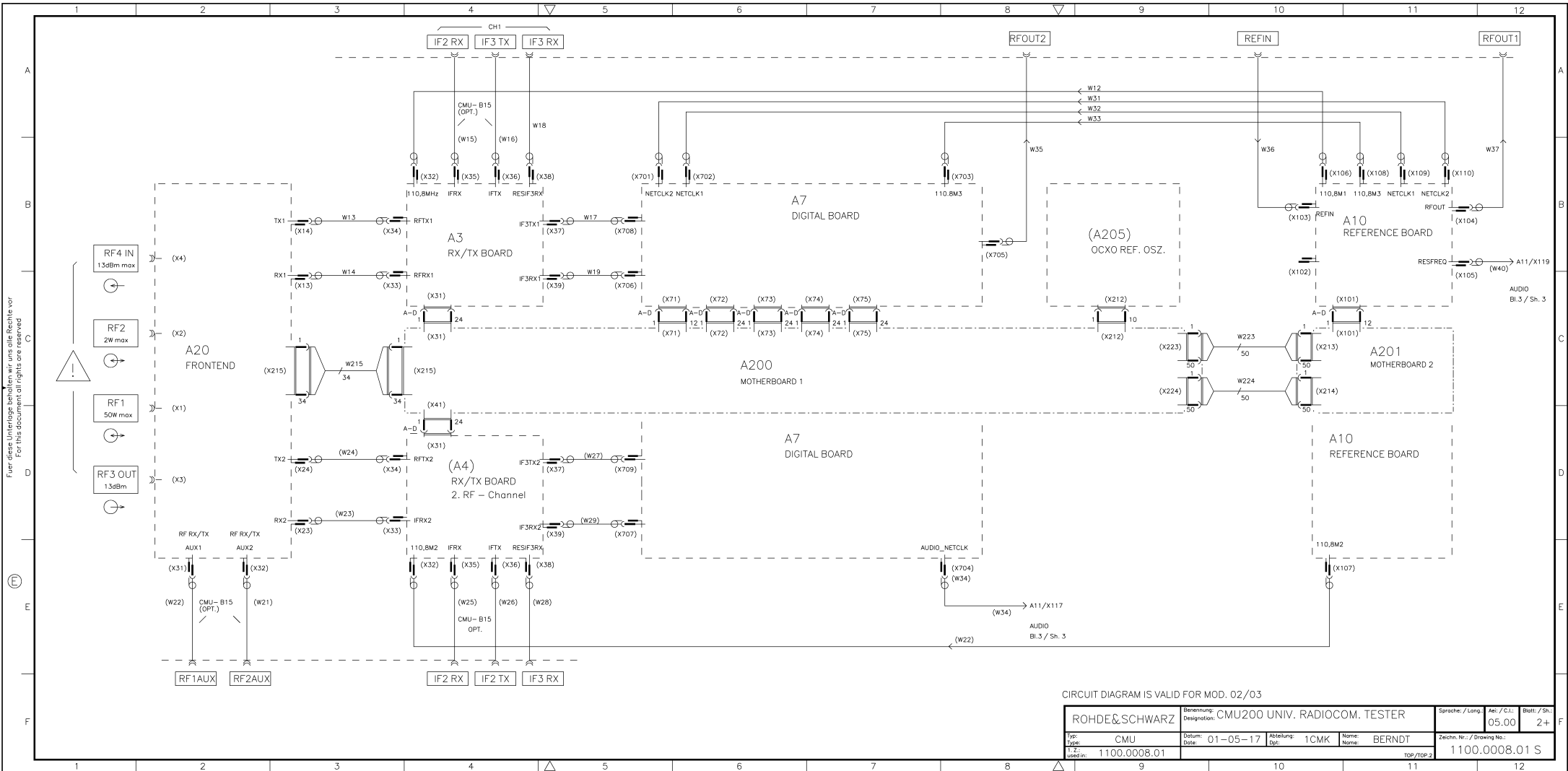


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CIRCUIT DIAGRAM IS VALID FOR MOD. 02/03

<b>ROHDE&amp;SCHWARZ</b>		Benennung: CMU200 UNIV. RADIOCOM. TESTER			Sprache: / Lang.:		Aei: / C.I.:		Blatt: / Sh.:		
Type: CMU		Datum: 01-05-17		Abteilung: 1CMK		Name: BERNDT		05.00		1+	
1. Z.: 1100.0008.01		Date:		Dpt:		Name:		Zeichn. Nr.: / Drawing No.:		1100.0008.01 S	
TOP/TOP.1											

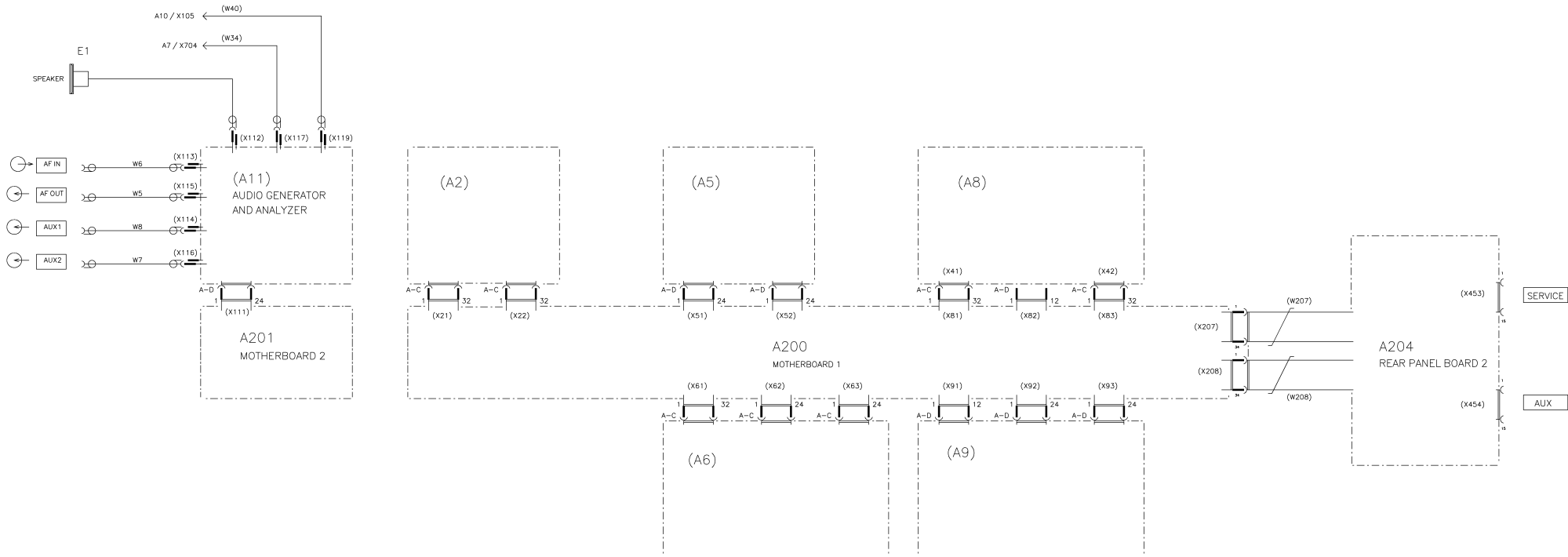
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CIRCUIT DIAGRAM IS VALID FOR MOD. 02/03

<b>ROHDE &amp; SCHWARZ</b>		Benennung: CMU200 UNIV. RADIOCOM. TESTER		Sarajevo / Long:		Atr. / C.L.:		Batt. / Sh.:	
Type: CMU		Datum: 01-05-17		Abteilung: 1CMK		Name: BERNDT		Zeichn. Nr. / Drawing No.:	
1:2 used in: 1100.0008.01								1100.0008.01 S	
								TOP/09-2	

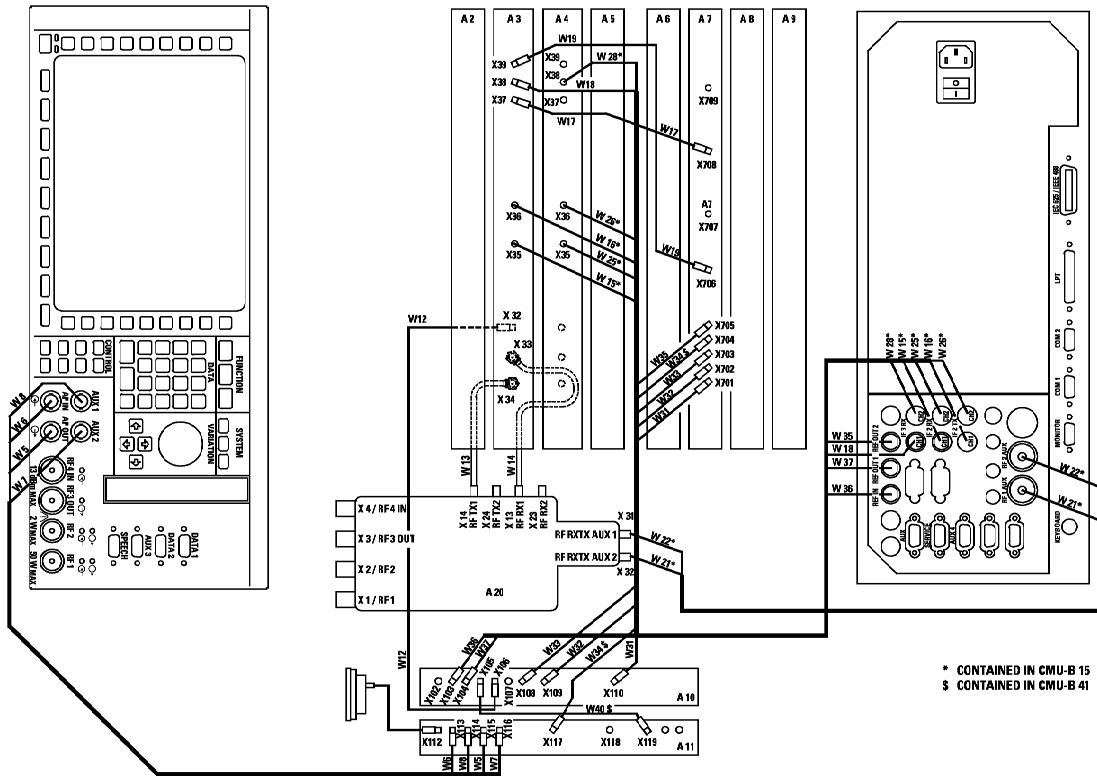
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CIRCUIT DIAGRAM IS VALID FOR MOD. 02/03

<b>ROHDE &amp; SCHWARZ</b>		Benennung: CMU200 UNIV. RADIOCOM. TESTER			Sarache / Long:		Atr / C.L.		Batt. / Sh.	
Type: CMU		Datum: 01-05-17		Abteilung: 1CMK		Name: BERNDT		Zeichn. Nr. / Drawing No.:		
1100.0008.01								1100.0008.01 S		
								TOP/10P.3		

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→ auf Lage achten !

1100.0872 DV-07- Deckel (bedr.) 1CMK/No. 11.98 08 ---- 12.00 Wb

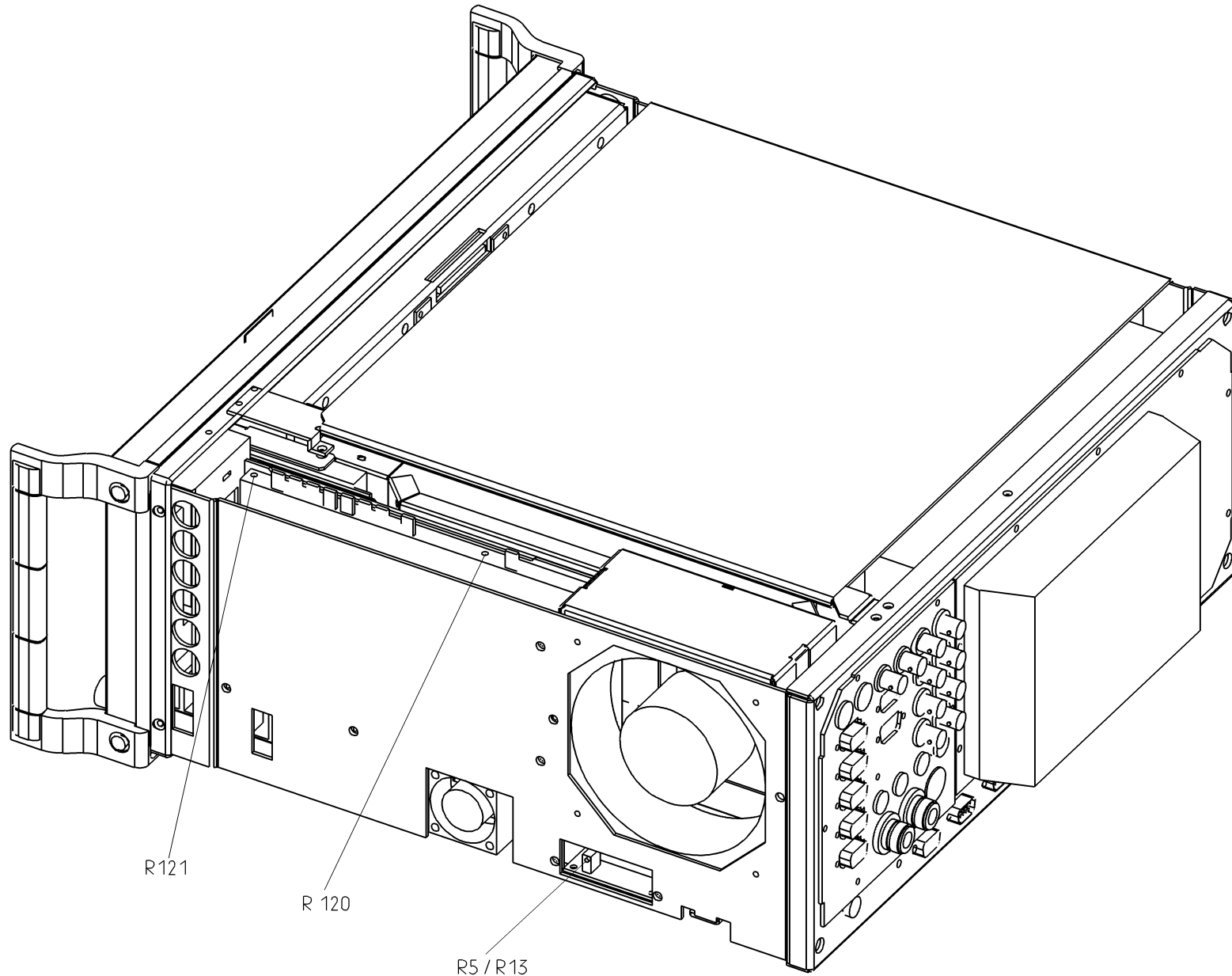
**Beschriftung: tiefschwarz WU 002.2823**

**hierzu Druckvorlage 1100.0872 DV-08-**

**bearbeitet aus 1091.0657**



		Maße ohne Toleranzangabe		Maßstab <b>ohne</b>	
				Halbzeug,Werkstoff	
07	----	09.99	Bi	Datum	Name
08	----	12.00	Bi	Bearb. 11.98	Bi
				Gepr.	
				Norm	
				Benennung <b>Deckel (bedr.)</b>	
				Zeichn.-Nr. <b>1100.0872</b>	
				Blatt-Nr.	
				v. Bl.	
Änd. Index	Änderungs-Mitteilung	Datum	Name	reg. i. V. <b>1100.0008.00 V</b> erste Z. <b>1100.0008.01</b>	
				<b>ROHDE &amp; SCHWARZ</b> zu Gerät <b>CMU</b>	



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ISO-Projektion  
Methode E



06.00				1CMK	Datum	Name
				Bearb.	03.05.99	Bi
				Gepr.		
Änd.	Änderungs-	Datum	Name	Norm		
Index	Mitteilung			Plot		

  
**ROHDE & SCHWARZ**  
 zu Gerät

Benennung  
**GG CMU200 UNIV. RADIOCOM.**

Zeichn.-Nr.  
**1100.0008.01 D**

regi.V.      erste Z.

Blatt-Nr.  
**3**

v.      Bl.



Four digit part numbers have no units. For this document all rights are reserved.

	1	2	3	4	5	6	7	8	9	10	11	12		
A	SHEET 2		SHEET 3		SHEET 4		SHEET 5		SHEET 6		SHEET 7+8		SHEET 9	
B	X10 } X11 } FRONT MODULE X12 } CONTROLLER		X21 } X22 } E1-T1/ DUT-SUPPLY BOARD		X31 RX/TX BOARD 1  X41 RX/TX BOARD 2		X51 } X52 } A/B TEST / IQ-MODDEM0D /LOW FREQ BOARD		X61 } X62 } UNIVERSAL X63 } SIGN. UNIT 2		X71 } X72 } DIGITAL BOARD X73 } X74 } X75 }		X81 } X82 } UNIVERSAL X83 } SIGN. UNIT 1	
C	SHEET 10		SHEET 11		SHEET 12		SHEET 13		SHEET 14		SHEET 15		SHEET 16	
D	X91 } X92 } USU1 CO-PROCESSOR		X93 USU1 CO-PROCESSOR  ISA- TERMINATION		X216 } X217 } PC CARD X222 }  BUFFERS		X219 FRONT PANEL BOARD  X212 OCXO BOARD  X218 FLOPPY  X215 FRONTEND BOARD		X205 } X206 } REAR PANEL BOARD 1  X207 } X208 } REAR PANEL BOARD 2		X200 ABISSYM 1/2  X209 } X210 } FAN X211 } X220 } X225 }		X223 } X224 } MOTHERBOARD 1 1/2 CONNECTOR  X213 } X214 } MOTHERBOARD 2 1/2 CONNECTOR  X221 +5VREF	
E	SHEET 17		SHEET 18		SHEET 19		SHEET 20							
F	<u>MOTHERBOARD 2</u>  X101 REFERENZ BOARD  X111 AUDIO BOARD		<u>REAR PANEL BOARD 1</u>  X253 LPT  X255 IEC 625 / IEEE 488  X250 MONITOR  X252 COM 1  X251 COM 2  X254 KEYBOARD		<u>FRONT PANEL BOARD</u>  X303 AUX 3  X304 SPEECH  X301 DATA 1  X302 DATA 2		<u>REAR PANEL BOARD 2</u>  X451 SERVICE  X450 AUX  X452 AUX 4  X453 I/Q 1  X454 I/Q 2							

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



ROHDE & SCHWARZ		Benennung: Designation: MOTHERBOARD		Sprache / Lang: DE		Anz. / C.I.: 02.01		Blatt / Sh.: 1+	
Typ: Type: CMU		Datum: Date: 00-02-16		Abteilung: Dept: 1CMK		Name: Name: KRAETSCH		Zeichn. Nr. / Drawing No.: 1100.0908.01 S	
1. Z. Issued in: 1100.0008.01								TOP/TOP-1	

# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET						
<b>FRONT MODUL CONTROLLER</b> 			<b>FRONT MODUL CONTROLLER</b> 			<b>FRONT MODUL CONTROLLER</b> 			<b>FRONT MODUL CONTROLLER</b> 								
<p>X10 A1 OSC (3/86.5/86)</p> <p>X10 A2 DACK7 (5/80)</p> <p>X10 A3 DACK6 (5/80)</p> <p>X10 A4 DACK5 (5/80)</p> <p>X10 A5 DACK0 (5/80)</p> <p>X10 A6 DRQ7 (5/80)</p> <p>X10 A7 DRQ6 (5/80)</p> <p>X10 A8 DRQ5 (5/80)</p> <p>X10 A9 DRQ0 (5/80)</p> <p>X10 A10 IRO15 (3/86.5/86/106.12/78)</p> <p>X10 A11 IRO14 (3/86.5/86/106.12/78)</p> <p>X10 A12 IRO12 (5/80)</p> <p>X10 A13 IRO11 (3/86.5/86/106.12/78)</p> <p>X10 A14 IRO10 (3/86.5/86/106.12/78)</p> <p>X10 A15 SMEMW (3/86.5/86/11/20.11/110)</p> <p>X10 A16 SMEMR (3/86.5/86/11/20.11/110)</p> <p>X10 A17 SMEMR (8/86.5/86/11/20.11/110)</p> <p>X10 A18 SMEMR (8/86.5/86/11/20.11/110)</p> <p>X10 A19 SMEMR (8/86.5/86/11/20.11/110)</p> <p>X10 A20 SMEMR (8/86.5/86/11/20.11/110)</p> <p>X10 A21 SMEMR (8/86.5/86/11/20.11/110)</p> <p>X10 A22 SMEMR (8/86.5/86/11/20.11/110)</p> <p>X10 A23 SMEMR (8/86.5/86/11/20.11/110)</p> <p>X10 A24 SMEMR (8/86.5/86/11/20.11/110)</p>			<p>X10 C1 MASTER MEMCS16 (3/86.5/86)</p> <p>X10 C2 (5/100.11/50.12/70)</p> <p>X10 C3 SD14 (3/86.5/86)</p> <p>X10 C4 SD12 (5/80)</p> <p>X10 C5 SD10 (5/80)</p> <p>X10 C6 SD8 (5/80)</p> <p>X10 C7 DACK2 (3/86.5/100.8/108)</p> <p>X10 C8 IRO6 (3/86.5/86/106.12/78)</p> <p>X10 C9 IRO4 (5/100.11/50.12/70)</p> <p>X10 C10 LA23 (5/100.11/50.12/70)</p> <p>X10 C11 LA21 (5/100.11/50.12/70)</p> <p>X10 C12 LA19 (5/100.11/50.12/70)</p> <p>X10 C13 LA17 (5/100.11/50.12/70)</p> <p>X10 C14 SA18 (3/86.5/86/11/20.11/110)</p> <p>X10 C15 SA16 (3/86.5/86/11/20.11/110)</p> <p>X10 C16 SA14 (8/86.5/86/11/20.11/110)</p> <p>X10 C17 SA12 (8/86.5/86/11/20.11/110)</p> <p>X10 C18 SA10 (8/86.5/86/11/20.11/110)</p> <p>X10 C19 SA8 (8/86.5/86/11/20.11/110)</p> <p>X10 C20 SA6 (8/86.5/86/11/20.11/110)</p> <p>X10 C21 SA4 (8/86.5/86/11/20.11/110)</p> <p>X10 C22 SA2 (8/86.5/86/11/20.11/110)</p> <p>X10 C23 SA0 (8/86.5/86/11/20.11/110)</p> <p>X10 C24 MEMW (5/100.11/110.12/110)</p>			<p>X12 A1 GREEN (14/2F/14/50)</p> <p>X12 A2 RED (14/2F/14/50)</p> <p>X12 A3 HSYNC (14/2F/14/50)</p> <p>X12 A4 VSYNC (14/2F/14/50)</p> <p>X12 A5 OT (15/118)</p> <p>X12 A6 BIU (n.c.)</p> <p>X12 A7 BIU (n.c.)</p> <p>X12 A8 STBREL (n.c.)</p> <p>X12 A9 STBREL (n.c.)</p> <p>X12 A10 STBREL (n.c.)</p> <p>X12 A11 STBREL (n.c.)</p> <p>X12 A12 STBREL (n.c.)</p> <p>X12 A13 STBREL (n.c.)</p> <p>X12 A14 STBREL (n.c.)</p> <p>X12 A15 IRO18 (8/100)</p> <p>X12 A16 IRO19 (8/100)</p> <p>X12 A17 IRO19 (8/100)</p> <p>X12 A18 IRO17 (8/100)</p> <p>X12 A19 IRO17 (8/100)</p> <p>X12 A20 IRO16 (8/100)</p> <p>X12 A21 IRO16 (8/100)</p> <p>X12 A22 IRO16 (8/100)</p> <p>X12 A23 IRO16 (8/100)</p> <p>X12 A24 IRO16 (8/100)</p>			<p>X12 B1 BLUE (14/2F/14/50)</p> <p>X12 B2 GDC01 (14/50)</p> <p>X12 B3 RTS1 (14/50)</p> <p>X12 B4 DTR1 (14/50)</p> <p>X12 B5 PE (14/20)</p> <p>X12 B6 PD7 (14/20)</p> <p>X12 B7 PD4 (14/20)</p> <p>X12 B8 PD2 (14/20)</p> <p>X12 B9 ERR (14/20)</p> <p>X12 B10 STB (14/20)</p> <p>X12 B11 IFC (14/20)</p> <p>X12 B12 DAW (14/20)</p> <p>X12 B13 D3 (14/28)</p> <p>X12 B14 D6 (14/28)</p> <p>X12 B15 DD (14/28)</p> <p>X12 B16 DSR2 (14/50)</p> <p>X12 B17 TXD2 (14/50)</p> <p>X12 B18 RIZ (14/50)</p> <p>X12 B19 KEYCLK (14/50)</p> <p>X12 B20 IEX (13/80)</p> <p>X12 B21 MO2 (13/80)</p> <p>X12 B22 WP (13/80)</p> <p>X12 B23 WP (13/80)</p> <p>X12 B24 ONOFF (15/80)</p>			<p>X12 C1 DSR1 (14/50)</p> <p>X12 C2 TXD1 (14/50)</p> <p>X12 C3 RI1 (14/50)</p> <p>X12 C4 BIU3 (14/50)</p> <p>X12 C5 POB (14/20)</p> <p>X12 C6 FDS3 (14/20)</p> <p>X12 C7 INIT (14/20)</p> <p>X12 C8 PFD (14/20)</p> <p>X12 C9 ATN (14/20)</p> <p>X12 C10 NDAC (14/20)</p> <p>X12 C11 D7 (14/50)</p> <p>X12 C12 D4 (14/50)</p> <p>X12 C13 D1 (14/50)</p> <p>X12 C14 D4 (14/50)</p> <p>X12 C15 RXD2 (14/50)</p> <p>X12 C16 CTSS (14/50)</p> <p>X12 C17 KEYDAT (14/50)</p> <p>X12 C18 MSDAT (14/50)</p> <p>X12 C19 DSS2 (13/80)</p> <p>X12 C20 DIRC (13/80)</p> <p>X12 C21 WE (13/80)</p> <p>X12 C22 RRD (13/80)</p> <p>X12 C23 +12VSTANDBY (13/80)</p> <p>X12 C24 SCL (n.c.) (13/80)</p>					
<p>X10 B1 SYSCLK (3/86.5/86/11/20.11/110) (12/114)</p> <p>X10 B2 REFRESH (3/86.5/86)</p> <p>X10 B3 QWS (5/86.5/106.12/70)</p> <p>X10 B4 RESDRV (3/86.5/86/11/20.11/110) (12/114)</p> <p>X10 B5 AEN (3/86.5/86/11/20.11/110) (12/114)</p> <p>X10 B6 IOCHRDY (3/86.5/86/11/20.11/110) (12/114)</p> <p>X10 B7 DRQ3 (5/80)</p> <p>X10 B8 SDO (3/86.5/86/11/20.11/110)</p> <p>X10 B9 SDI (3/86.5/86/11/20.11/110)</p> <p>X10 B10 SD2 (3/86.5/86/11/20.11/110)</p> <p>X10 B11 SD3 (3/86.5/86/11/20.11/110)</p> <p>X10 B12 SD4 (3/86.5/86/11/20.11/110)</p> <p>X10 B13 SD5 (3/86.5/86/11/20.11/110)</p> <p>X10 B14 SD6 (3/86.5/86/11/20.11/110)</p> <p>X10 B15 SD7 (3/86.5/86/11/20.11/110)</p> <p>X10 B16 DACK3 (5/80)</p> <p>X10 B17 DACK1 (5/80)</p> <p>X10 B18 DRQ1 (5/80)</p> <p>X10 B19 DRQ2 (5/80)</p> <p>X10 B20 IOCHCHK (5/80)</p> <p>X10 B21 IOW (3/86.5/86/11/20.11/110)</p> <p>X10 B22 BALE (12/114)</p> <p>X10 B23 IOR (3/86.5/86/11/20.11/110)</p> <p>X10 B24 IOR (3/86.5/86/11/20.11/110)</p>			<p>X10 D1 IDC516 (3/86.5/86/11/20.11/110) (12/114)</p> <p>X10 D2 SD15 (3/86.5/86/11/20.11/110)</p> <p>X10 D3 SD13 (3/86.5/86/11/20.11/110)</p> <p>X10 D4 SD11 (3/86.5/86/11/20.11/110)</p> <p>X10 D5 SD9 (3/86.5/86/11/20.11/110)</p> <p>X10 D6 IC (3/86.5/106)</p> <p>X10 D7 IRO7 (3/86.5/106.8/106.12/78)</p> <p>X10 D8 IRO5 (3/86.5/106.8/106.12/78)</p> <p>X10 D9 LA20 (5/100.12/110)</p> <p>X10 D10 LA18 (5/100.12/110)</p> <p>X10 D11 SA19 (3/86.5/86/11/20.11/110)</p> <p>X10 D12 SA17 (3/86.5/86/11/20.11/110)</p> <p>X10 D13 SA15 (3/86.5/86/11/20.11/110)</p> <p>X10 D14 SA13 (3/86.5/86/11/20.11/110)</p> <p>X10 D15 SA11 (3/86.5/86/11/20.11/110)</p> <p>X10 D16 SA9 (3/86.5/86/11/20.11/110)</p> <p>X10 D17 SA7 (3/86.5/86/11/20.11/110)</p> <p>X10 D18 SA5 (3/86.5/86/11/20.11/110)</p> <p>X10 D19 SA3 (3/86.5/86/11/20.11/110)</p> <p>X10 D20 SA1 (3/86.5/86/11/20.11/110)</p> <p>X10 D21 SMEMR (3/86.5/86/11/20.11/110)</p> <p>X10 D22 SMEMR (3/86.5/86/11/20.11/110)</p> <p>X10 D23 SMEMR (3/86.5/86/11/20.11/110)</p> <p>X10 D24 SMEMR (3/86.5/86/11/20.11/110)</p>			<p>X11 A1 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 A2 +5.2V (5/100.11/110.12/110)</p> <p>X11 A3 +5.2V (3/86.5/48.4/185.5/118.6/118) (12/60)</p> <p>X11 A4 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A5 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A6 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A7 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A8 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A9 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A10 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A11 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A12 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A13 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A14 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A15 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A16 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A17 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A18 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A19 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A20 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A21 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A22 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A23 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A24 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p> <p>X11 A25 +5.2V (3/86.5/106.11/50.11/110) (12/60)</p>			<p>X11 B1 -12V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B2 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B3 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B4 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B5 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B6 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B7 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B8 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B9 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B10 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B11 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B12 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B13 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B14 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B15 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B16 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B17 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B18 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B19 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B20 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B21 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B22 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B23 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B24 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 B25 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p>			<p>X11 C1 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C2 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C3 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C4 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C5 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C6 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C7 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C8 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C9 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C10 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C11 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C12 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C13 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C14 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C15 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C16 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C17 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C18 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C19 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C20 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C21 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C22 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C23 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C24 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 C25 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p>			<p>X11 D1 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D2 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D3 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D4 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D5 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D6 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D7 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D8 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D9 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D10 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D11 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D12 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D13 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D14 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D15 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D16 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D17 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D18 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D19 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D20 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D21 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D22 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D23 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D24 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p> <p>X11 D25 +5.2V (3/86.5/106.11/50.11/110) (10/118)</p>		

Four class 1 metal fasteners are used in the base of the board. For this document all rights are reserved.

<b>ROHDE &amp; SCHWARZ</b> Typ: CMU 1:2: 1100.0008.01 1:2: 1100.0008.01		Benennung: MOTHERBOARD Datum: 00-02-16 Abteilung: 1CMK Name: KRAETSCH		Sprache / Long: DE Anr. / C.I.: 02.01 Blatt / Sh.: 2+		Zeichn. Nr. / Drawing No.: 1100.0908.01 S top/top_2	
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# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>E1-T1/ DUT-SUPPLY BOARD</b>			<b>E1-T1/ DUT-SUPPLY BOARD</b>			<b>E1-T1/ DUT-SUPPLY BOARD</b>			<b>E1-T1/ DUT-SUPPLY BOARD</b>		
X21 A1	+5VREF	(4/28.4/88.5/28.6/28.7/28)	X21 C1			X22 A1	SYSCLK	(2/28.5/86.1/28.11/118) (12/114)	X22 E1	ABISTX2SYM8	(15/28)
X21 A2		(9/28.18/88.13/118.16/28)	X21 C2			X22 A2	OSC	(2/28.5/86)	X22 E2	ABISTX2SYM8	(15/28)
X21 A3	-12V		X21 C3			X22 A3			X22 E3	ABISTX2SYM8	(15/28)
X21 A4			X21 C4			X22 A4	SDD	(2/28.4/86.4/118.5/118.6/86)	X22 E4	ABISTX2SYM8	(15/28)
X21 A5	+5.2V		X21 C5			X22 A5	SD1	(8/88.9/86.11/86.11/118)	X22 E5	ABISRX2	(15/28)
X21 A6			X21 C6			X22 A6	SD2	(12/84)	X22 E6		
X21 A7	+12V		X21 C7			X22 A7	SD3		X22 E7		
X21 A8			X21 C8			X22 A8	SD4		X22 E8		
X21 A9	+12V		X21 C9			X22 A9	SD5		X22 E9		
X21 A10			X21 C10			X22 A10	SD6		X22 E10		
X21 A11	+12V	(7/80.9/190)	X21 C11			X22 A11	SD7		X22 E11		
X21 A12			X21 C12			X22 A12	SD8		X22 E12		
X21 A13	LH1SIGINT	(7/80.9/190)	X21 C13			X22 A13	SD9		X22 E13		
X21 A14			X21 C14			X22 A14	SD10		X22 E14		
X21 A15	LH2SIGINT	(6/100.7/50)	X21 C15			X22 A15	SD11		X22 E15		
X21 A16			X21 C16			X22 A16	SD12		X22 E16		
X21 A17	+3.3V		X21 C17			X22 A17	SD13		X22 E17		
X21 A18			X21 C18			X22 A18	SD14		X22 E18		
X21 A19			X21 C19			X22 A19	SD15		X22 E19		
X21 A20			X21 C20			X22 A20			X22 E20		
X21 A21	RXTX1TXSET	(4/20.7/58)	X21 C21			X22 A21	IOCHRDY	(2/28.4/80.4/118.5/86.11/28)(12/70)	X22 E21		
X21 A22	RXTX1RXSET	(4/20.7/58)	X21 C22			X22 A22	AEV	(2/28.4/80.4/118.5/86.11/28.11/118.12/118)	X22 E22		
X21 A23	RXTX2TXSET	(4/80.7/50)	X21 C23			X22 A23	RESDRV	(2/28.4/80.4/118.5/86.11/28.11/28.12/118)	X22 E23		
X21 A24			X21 C24			X22 A24	ION	(2/28.4/80.4/80.8/86.9/80)	X22 E24		
X21 A25	RXTX2RXSET	(4/80.7/50)	X21 C25			X22 A25	DRE	(2/28.4/80.4/80.8/86.9/80)	X22 E25		
X21 A26	DEM0DIN	(16/20)	X21 C26			X22 A26	SMEMR	(2/28.4/80.4/80.8/86.9/80)	X22 E26		
X21 A27			X21 C27			X22 A27	SMEW	(2/28.4/80.4/118.5/86.11/28.11/28.11/118)	X22 E27		
X21 A28	LH1AFGENMON	(9/20.16/20)	X21 C28			X22 A28	BALE	(2/28.4/80.4/118.5/86.11/28.11/118)	X22 E28		
X21 A29	LH2AFGENMON	(6/20.16/20)	X21 C29			X22 A29	ICCS16	(2/28.4/80.4/80.8/86.9/80)	X22 E29		
X21 A30			X21 C30			X22 A30	TC	(2/28.4/80.4/80.8/86.9/80)	X22 E30		
X21 A31	AUX1ZCSDA	(5/20.7/28.16/86.14/118)	X21 C31			X22 A31	SBHE	(2/28.4/80.4/118.5/86.11/28.11/118)	X22 E31		
X21 A32	AUX2ZCSLA	(6/20.7/28.16/86.14/118)	X21 C32	PROGNETCLK	(13/20.7/20)	X22 A32	REFRESH	(2/28.4/80.4/80.8/86.9/80)	X22 E32		
X21 B1	R7249	(5/20.6/180.7/20.9/180.10/80)				X22 B1	SA0	(2/86.4/80.4/118.5/118.6/118)			
X21 B2		(13/210.14/80)				X22 B2	SA1	(8/86.9/118.11/86.11/84)			
X21 B3						X22 B3	SA2	(12/86)			
X21 B4						X22 B4	SA3				
X21 B5	ABISRX1	(15/50)				X22 B5	SA4				
X21 B6						X22 B6	SA5				
X21 B7	ABISTX1	(15/50)				X22 B7	SA6				
X21 B8						X22 B8	SA7				
X21 B9	ABISRX1SYM8	(15/28)				X22 B9	SA8				
X21 B10	ABISRX1SYM8	(15/28)				X22 B10	SA9				
X21 B11	ABISTX1SYM8	(15/28)				X22 B11	SAT0				
X21 B12	ABISTX1SYM8	(15/28)				X22 B12	SAT1				
X21 B13						X22 B13	SAT2				
X21 B14						X22 B14	SAT3				
X21 B15						X22 B15	SAT4				
X21 B16						X22 B16	SAT5				
X21 B17						X22 B17	SAT6				
X21 B18						X22 B18	SAT7				
X21 B19						X22 B19	SAT8				
X21 B20						X22 B20	SAT9				
X21 B21						X22 B21	IRO3	(2/58.5/100.8/108.12/78)			
X21 B22						X22 B22	IRO4	(2/58.5/100.8/108.12/78)			
X21 B23						X22 B23	IRO5	(2/58.5/100.8/108.12/78)			
X21 B24						X22 B24	IRO6	(2/58.5/100.8/108.12/78)			
X21 B25						X22 B25	IRO7	(2/58.5/100.8/108.12/78)			
X21 B26						X22 B26	IRO8	(2/58.5/100.8/108.12/78)			
X21 B27						X22 B27	IRO9	(2/58.5/100.8/108.12/78)			
X21 B28	PROGNETCLK	(13/50.7/20)				X22 B28	IRO10	(2/28.5/86.8/108.12/78)			
X21 B29						X22 B29	IRO11	(2/28.5/86.8/108.12/78)			
X21 B30						X22 B30	IRO12	(2/28.5/86.8/108.12/78)			
X21 B31	ABISSYNOUT	(16/20)				X22 B31	IRO14	(2/58.5/86.8/108.12/78)			
X21 B32						X22 B32	IRO15	(2/28.5/86.8/108.12/78)			

Four-digit hexadecimal base numbers are used. For this document all rights are reserved.

<b>ROHDE &amp; SCHWARZ</b>				Bestimmung: MOTHERBOARD				Sprache / Long: DE		Anz. / C.I.: 3+	
Typ: CMU				Datum: 00-02-16				Abteilung: 1CMK		Name: KRAETSCH	
1. Z.: 1100.0008.01				Zeichn. Nr.: 1100.0908.01 S				top TOP-3			

# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>RX/TX BOARD 1</b>			<b>RX/TX BOARD 1</b>			<b>RX/TX BOARD 2</b>			<b>RX/TX BOARD 2</b>		
X31_41	A1		X31_41	A1		X41_41	A1		X41_41	A1	
X31_42	A2		X31_42	A2		X41_42	A2		X41_42	A2	
X31_43	A3		X31_43	A3		X41_43	A3		X41_43	A3	
X31_44	A4		X31_44	A4		X41_44	A4		X41_44	A4	
X31_45	A5		X31_45	A5		X41_45	A5		X41_45	A5	
X31_46	A6		X31_46	A6		X41_46	A6		X41_46	A6	
X31_47	A7		X31_47	A7		X41_47	A7		X41_47	A7	
X31_48	A8		X31_48	A8		X41_48	A8		X41_48	A8	
X31_49	A9		X31_49	A9		X41_49	A9		X41_49	A9	
X31_410	A10		X31_410	A10		X41_410	A10		X41_410	A10	
X31_411	A11		X31_411	A11		X41_411	A11		X41_411	A11	
X31_412	A12		X31_412	A12		X41_412	A12		X41_412	A12	
X31_413	A13		X31_413	A13		X41_413	A13		X41_413	A13	
X31_414	A14		X31_414	A14		X41_414	A14		X41_414	A14	
X31_415	A15		X31_415	A15		X41_415	A15		X41_415	A15	
X31_416	A16		X31_416	A16		X41_416	A16		X41_416	A16	
X31_417	A17		X31_417	A17		X41_417	A17		X41_417	A17	
X31_418	A18		X31_418	A18		X41_418	A18		X41_418	A18	
X31_419	A19		X31_419	A19		X41_419	A19		X41_419	A19	
X31_420	A20		X31_420	A20		X41_420	A20		X41_420	A20	
X31_421	A21		X31_421	A21		X41_421	A21		X41_421	A21	
X31_422	A22		X31_422	A22		X41_422	A22		X41_422	A22	
X31_423	A23		X31_423	A23		X41_423	A23		X41_423	A23	
X31_424	A24		X31_424	A24		X41_424	A24		X41_424	A24	
X31_B1	B1		X31_B1	B1		X41_B1	B1		X41_B1	B1	
X31_B2	B2		X31_B2	B2		X41_B2	B2		X41_B2	B2	
X31_B3	B3		X31_B3	B3		X41_B3	B3		X41_B3	B3	
X31_B4	B4		X31_B4	B4		X41_B4	B4		X41_B4	B4	
X31_B5	B5		X31_B5	B5		X41_B5	B5		X41_B5	B5	
X31_B6	B6		X31_B6	B6		X41_B6	B6		X41_B6	B6	
X31_B7	B7		X31_B7	B7		X41_B7	B7		X41_B7	B7	
X31_B8	B8		X31_B8	B8		X41_B8	B8		X41_B8	B8	
X31_B9	B9		X31_B9	B9		X41_B9	B9		X41_B9	B9	
X31_B10	B10		X31_B10	B10		X41_B10	B10		X41_B10	B10	
X31_B11	B11		X31_B11	B11		X41_B11	B11		X41_B11	B11	
X31_B12	B12		X31_B12	B12		X41_B12	B12		X41_B12	B12	
X31_B13	B13		X31_B13	B13		X41_B13	B13		X41_B13	B13	
X31_B14	B14		X31_B14	B14		X41_B14	B14		X41_B14	B14	
X31_B15	B15		X31_B15	B15		X41_B15	B15		X41_B15	B15	
X31_B16	B16		X31_B16	B16		X41_B16	B16		X41_B16	B16	
X31_B17	B17		X31_B17	B17		X41_B17	B17		X41_B17	B17	
X31_B18	B18		X31_B18	B18		X41_B18	B18		X41_B18	B18	
X31_B19	B19		X31_B19	B19		X41_B19	B19		X41_B19	B19	
X31_B20	B20		X31_B20	B20		X41_B20	B20		X41_B20	B20	
X31_B21	B21		X31_B21	B21		X41_B21	B21		X41_B21	B21	
X31_B22	B22		X31_B22	B22		X41_B22	B22		X41_B22	B22	
X31_B23	B23		X31_B23	B23		X41_B23	B23		X41_B23	B23	
X31_B24	B24		X31_B24	B24		X41_B24	B24		X41_B24	B24	

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<b>ROHDE &amp; SCHWARZ</b>		Benennung: MOTHERBOARD			Sprache / Long: DE		Anz. / C1: 02.01		Blatt / Sh: 4+	
Typ: CMU		Datum: 00-02-16		Abteilung: 1CMK		Name: KRAETSCH		Zeichn. Nr. / Drawing No.: 1100.0908.01 S		
1. Z.: 1100.0008.01								top/TOP-4		

# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>A/B TEST / IQ-MODDEMOM / LOW FREQ BOARD</b> 			<b>A/B TEST / IQ-MODDEMOM / LOW FREQ BOARD</b> 			<b>A/B TEST / IQ-MODDEMOM / LOW FREQ BOARD</b> 			<b>A/B TEST / IQ-MODDEMOM / LOW FREQ BOARD</b> 		
X51 A1	+5VREF	(1/28,4/28,4/88,6/28,7/28) (9/28,18/88,13/118,16/28)	X51 C1	EXT1MODIN	(14/88)	X52 A1	+12V		X52 C2	MEMW	(1/50,11/10,12/110)
X51 A2	-12V		X51 C2	EXT1MODIN	(14/88)	X52 A2	+12V		X52 C3	SAD	(2/50,3/80,4/88,4/118,6/118) (8/90,9/118,11/68,11/84) (12/90)
X51 A3	+5.2V		X51 C3	EXT1MODOUT	(14/88)	X52 A3	+5.2V	C202	X52 C4	SAD	
X51 A4	+5.2V		X51 C4	EXT1MODOUT	(14/88)	X52 A4			X52 C5	SAD	
X51 A5	+8V		X51 C5	EXT1DEMOMIN	(14/88)	X52 A5			X52 C6	SAD	
X51 A6	+8V		X51 C6	EXT1DEMOMIN	(14/88)	X52 A6			X52 C7	SAD	
X51 A7	+28V		X51 C7	EXT1DEMODOUT	(14/88)	X52 A7			X52 C8	SAD	
X51 A8	+3.3V		X51 C8	EXT1DEMODOUT	(14/88)	X52 A8			X52 C9	SAD	
X51 A9	AUX1ZCSDA	(1/20,7/28,10/80,14/110)	X51 C9	EXT2MODIN	(14/88)	X52 A9			X52 C10	SAD	
X51 A10	AUX1ZCSCL	(1/20,7/28,10/80,14/110)	X51 C10	EXT2MODIN	(14/88)	X52 A10			X52 C11	SAD	
X51 A11	DIAGNOSE	(1/20,6/18,7/20,9/100,10/80) (13/110,16/20)	X51 C11	EXT2MODOUT	(14/88)	X52 A11			X52 C12	LA17	(1/50,12/110)
X51 A12	-12V		X51 C12	EXT2MODOUT	(14/88)	X52 A12			X52 C13	LA19	(1/50,12/110)
X51 A13	+5.2V		X51 C13	EXT2MODOUT	(14/88)	X52 A13			X52 C14	LA21	(1/58,12/110)
X51 A14	+8V		X51 C14	EXT2ZEMODIN	(14/80)	X52 A14			X52 C15	LA23	(1/58,12/110)
X51 A15	+12V		X51 C15	EXT2ZEMODIN	(14/80)	X52 A15			X52 C16	IR04	(1/58,3/80,8/108,12/78)
X51 A16			X51 C16	EXT2ZEMODIN	(14/80)	X52 A16			X52 C17	IR05	(1/58,3/80,8/108)
X51 A17			X51 C17	EXT2ZEMODIN	(14/80)	X52 A17			X52 C18	DACK2	(1/58)
X51 A18			X51 C18	EXT2ZEMODIN	(14/80)	X52 A18			X52 C19	SDB	(1/20,3/80,4/80,11/110,6/90)
X51 A19			X51 C19	EXT2ZEMODIN	(14/80)	X52 A19			X52 C20	SDB	(8/98,9/90,11/80,11/110) (12/90)
X51 A20			X51 C20	EXT2ZEMODIN	(14/80)	X52 A20			X52 C21	SDB	(1/58,11/90,12/70)
X51 A21			X51 C21	EXT2ZEMODIN	(14/80)	X52 A21			X52 C22	SDB	(1/58,3/80)
X51 A22			X51 C22	EXT2ZEMODIN	(14/80)	X52 A22			X52 C23	MEMCS16	(1/58,3/80)
X51 A23			X51 C23	EXT2ZEMODIN	(14/80)	X52 A23			X52 C24	MASTER	(1/58,3/80)
X51 A24			X51 C24	EXT2ZEMODIN	(14/80)	X52 A24			X52 C25	MEMW	(1/58,3/80)
X51 B1			X51 D1	IMODFILAUC1	(8/100)	X52 B1			X52 D1	MEMW	(1/58,11/10,12/110)
X51 B2			X51 D2	IMODFILAUC1	(8/100)	X52 B2			X52 D2	SBHE	(1/58,3/80,11/90,11/110)(12/118)
X51 B3			X51 D3	IMODFILAUC1	(8/100)	X52 B3			X52 D3	SA1	(1/58,12/110)
X51 B4			X51 D4	IMODFILAUC1	(8/100)	X52 B4			X52 D4	SA3	(1/58,12/110)
X51 B5			X51 D5	IMODFILAUC1	(8/100)	X52 B5			X52 D5	SA5	(1/58,12/110)
X51 B6			X51 D6	IMODFILAUC1	(8/100)	X52 B6			X52 D6	SA7	(1/58,12/110)
X51 B7			X51 D7	IMODFILAUC1	(8/100)	X52 B7			X52 D7	SA9	(1/58,12/110)
X51 B8			X51 D8	IMODFILAUC1	(8/100)	X52 B8			X52 D8	SA11	(1/58,12/110)
X51 B9			X51 D9	IMODFILAUC1	(8/100)	X52 B9			X52 D9	SA13	(1/58,12/110)
X51 B10			X51 D10	IMODFILAUC1	(8/100)	X52 B10			X52 D10	SA15	(1/58,12/110)
X51 B11			X51 D11	IMODFILAUC1	(8/100)	X52 B11			X52 D11	SA17	(1/58,12/110)
X51 B12			X51 D12	IMODFILAUC1	(8/100)	X52 B12			X52 D12	SA19	(1/58,12/110)
X51 B13			X51 D13	IMODFILAUC1	(8/100)	X52 B13			X52 D13	LA18	(1/58,12/110)
X51 B14			X51 D14	IMODFILAUC1	(8/100)	X52 B14			X52 D14	LA20	(1/58,12/110)
X51 B15			X51 D15	IMODFILAUC1	(8/100)	X52 B15			X52 D15	LA22	(1/58,12/110)
X51 B16			X51 D16	IMODFILAUC1	(8/100)	X52 B16			X52 D16	IR02	(1/58,3/80,8/108,12/78)
X51 B17			X51 D17	IMODFILAUC1	(8/100)	X52 B17			X52 D17	IR03	(1/58,3/80,8/108,12/78)
X51 B18			X51 D18	IMODFILAUC1	(8/100)	X52 B18			X52 D18	IR07	(1/58,3/80,8/108,12/78)
X51 B19			X51 D19	IMODFILAUC1	(8/100)	X52 B19			X52 D19	TC	(1/58,3/80)
X51 B20			X51 D20	IMODFILAUC1	(8/100)	X52 B20			X52 D20	SDB	(1/58,12/110)
X51 B21			X51 D21	IMODFILAUC1	(8/100)	X52 B21			X52 D21	SB11	(1/58,12/110)
X51 B22			X51 D22	IMODFILAUC1	(8/100)	X52 B22			X52 D22	SB13	(1/58,12/110)
X51 B23			X51 D23	IMODFILAUC1	(8/100)	X52 B23			X52 D23	SB15	(1/58,12/110)
X51 B24			X51 D24	IMODFILAUC1	(8/100)	X52 B24			X52 D24	IOCS16	(1/58,3/80,8/80,11/90,12/70)

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<b>ROHDE &amp; SCHWARZ</b>				Benennung: <b>MOTHERBOARD</b>		Sprache / Lang: <b>DE</b>		Anz. / C1: <b>02.01</b>		Blatt / Sh: <b>5+</b>	
Typ: <b>CMU</b>		Datum: <b>00-02-16</b>		Abteilung: <b>1CMK</b>		Name: <b>KRAETSCH</b>		Zeichn. Nr.: / Drawing No.: <b>1100.0908.01 S</b>			
1. Z.: <b>1100.0008.01</b>		2. Z.: <b>1100.0008.01</b>		3. Z.: <b>1100.0008.01</b>		4. Z.: <b>1100.0008.01</b>		TOP/Top-5			

# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>UNIVERSAL SIGN. UNIT 2</b> XE1 A1 → +5VREF (3/28,4/28,4/88,5/28,7/28) (9/28,10,28,13,118,16/28) XE1 A2 → -12V XE1 A3 → +5.2V C214 10N XE1 A4 → +8V XE1 A5 → +12V XE1 A6 → LH2MDD0 (8/58) XE1 A7 → LH2MDD5 (8/58) XE1 A8 → LH2SERCLK (7/100) XE1 A9 → LH2SERLQDATA (7/100) XE1 A10 → LH2SERLDIFRAME (7/100) XE1 A11 → LH2SERLQDATA (7/100) XE1 A12 → LH2PRISYNTHENRES (n.c.) (7/100) XE1 A13 → LH2SERLQFRAME (7/100) XE1 A14 → LH2PRINTX (7/100) XE1 A15 → LH2PRINTX (7/100) XE1 A16 → LH2PRINTX (7/100) XE1 A17 → LH2PRINTX (7/100) XE1 A18 → LH2PRINTX (7/100) XE1 A19 → LH2PRINTX (7/100) XE1 A20 → LH2PRINTX (7/100) XE1 A21 → LH2PRINTX (7/100) XE1 A22 → LH2PRINTX (7/100) XE1 A23 → LH2PRINTX (7/100) XE1 A24 → LH2PRINTX (7/100) XE1 A25 → LH2PRINTX (7/100) XE1 A26 → R258 220 (7/100-10/100) XE1 A27 → LH2PRINTX (7/100) XE1 A28 → LH2PRINTX (7/100) XE1 A29 → LH2PRINTX (7/100) XE1 A30 → LH2PRINTX (7/100) XE1 A31 → LH2PRINTX (7/100) XE1 A32 → LH2PRINTX (7/100) XE1 B1 → LH2LEVCLK (n.c.) XE1 B2 → LH2LVDATA (n.c.) XE1 B3 → +3.3V C215 10N XE1 B4 → +5.2V XE1 B5 → LH2AFGENMON (3/20,16/20) XE1 B6 → LH2HANDSETIN (13/26,16/20) XE1 B7 → LH2HANDSETOUT XE1 B8 → LH2BUS6 (8/50) XE1 B9 → LH2BUS7 (8/50) XE1 B10 → LH2BUS8 XE1 B11 → LH2BUS9 XE1 B12 → LH2BUS10 XE1 B13 → LH2BUS11 XE1 B14 → LH2BUS12 XE1 B15 → LH2BUS13 XE1 B16 → LH2BUS14 XE1 B17 → LH2BUS15 XE1 B18 → LH2BUS16 XE1 B19 → LH2BUS17 XE1 B20 → LH2BUS18 XE1 B21 → LH2BUS19 XE1 B22 → LH2BUS20 XE1 B23 → LH2BUS21 XE1 B24 → LH2DEMSERDAT1 (8/50) XE1 B25 → LH2DEMSERDAT2 (8/50) XE1 B26 → LH2DEMSERCLK (8/50) XE1 B27 → LH2DEMSERSTRB (8/50) XE1 B28 → LH2DEMSERSTRO (8/50) XE1 B29 → LH2DEMSERSTRT (8/50) XE1 B30 → LH2DEMSERSTRB (8/50) XE1 B31 → LH2DEMSERSTRB (8/50) XE1 B32 → LH2DEMSERSTRB (8/50)			<b>UNIVERSAL SIGN. UNIT 2</b> XE1 S1 → LH2DND (13/37) XE1 S2 → LH2RIA (13/37) XE1 S3 → LH2CTSA (13/37) XE1 S4 → LH2TXDA (13/37) XE1 S5 → LH2RTSA (13/37) XE1 S6 → LH2RXDA (13/37) XE1 S7 → LH2DSRA (13/37) XE1 S8 → LH2DCDA (13/37) XE1 S9 → LH2SERVGN (13/37) XE1 S10 → LH2TBLUSB (8/50) XE1 S11 → LH2DD04 (7/100) XE1 S12 → LH2DD5 (7/100) XE1 S13 → LH2DD6 (7/100) XE1 S14 → LH2DD7 (7/100) XE1 S15 → LH2DD8 (7/100) XE1 S16 → LH2DD9 (7/100) XE1 S17 → LH2DD10 (7/100) XE1 S18 → LH2DD11 (7/100) XE1 S19 → LH2DD12 (7/100) XE1 S20 → LH2DD13 (7/100) XE1 S21 → LH2DD14 (7/100) XE1 S22 → LH2DD15 (7/100) XE1 S23 → LH2DD16 (7/100) XE1 S24 → LH2DD17 (7/100) XE1 S25 → LH2DD18 (7/100) XE1 S26 → LH2DD19 (7/100) XE1 S27 → LH2DD20 (7/100) XE1 S28 → LH2DD21 (7/100) XE1 S29 → LH2DD22 (7/100) XE1 S30 → LH2DD23 (7/100) XE1 S31 → LH2DD24 (7/100) XE1 S32 → LH2NETCLK (7/20)			<b>UNIVERSAL SIGN. UNIT 2</b> XE2 C1 → LH1LHZCON1 (9/80) XE2 C2 → LH1LHZCON2 (9/80) XE2 C3 → LH1LHZCON3 (9/80) XE2 C4 → LH1LHZCON4 (9/80) XE2 C5 → LH1LHZCON5 (9/80) XE2 C6 → LH1LHZCON6 (9/80) XE2 C7 → LH1LHZCON7 (9/80) XE2 C8 → LH1LHZCON8 (9/80) XE2 C9 → LH1LHZCON9 (9/80) XE2 C10 → LH1LHZCON10 (9/80) XE2 C11 → LH1LHZCON11 (9/80) XE2 C12 → LH1LHZCON12 (9/80) XE2 D1 → LH2LH1CON1 (9/80) XE2 D2 → LH2LH1CON2 (9/80) XE2 D3 → LH2LH1CON3 (9/80) XE2 D4 → LH2LH1CON4 (9/80) XE2 D5 → LH2LH1CON5 (9/80) XE2 D6 → LH2LH1CON6 (9/80) XE2 D7 → LH2LH1CON7 (9/80) XE2 D8 → LH2LH1CON8 (9/80) XE2 D9 → LH2LH1CON9 (9/80) XE2 D10 → LH2LH1CON10 (9/80) XE2 D11 → LH2LH1CON11 (9/80) XE2 D12 → LH2LH1CON12 (9/80) XE3 A1 → SDD (2/8,3/88,4/86,4/110,5/110) (9/80,9/83,13/60,11/114) (12/4) XE3 A2 → SDD XE3 A3 → SDD XE3 A4 → SDD XE3 A5 → SDD XE3 A6 → SDD XE3 A7 → SDD XE3 A8 → SDD XE3 A9 → SDD XE3 A10 → SDD XE3 A11 → SDD XE3 A12 → LH2DD3 (7/100) XE3 A13 → LH2DD2 (7/100) XE3 A14 → LH2DD1 (7/100) XE3 A15 → LH2DD0 (7/100) XE3 A16 → LH2DD3 (7/100) XE3 A17 → LH2DD2 (7/100) XE3 A18 → LH2DD1 (7/100) XE3 A19 → LH2DD0 (7/100) XE3 A20 → LH2DD0 (7/100) XE3 A21 → LH2DD0 (7/100) XE3 A22 → LH2DD0 (7/100) XE3 A23 → LH2DD0 (7/100) XE3 A24 → IOR (1/20,11/110,12/118) (2/21,3/80,5/88,8/80,9/80) XE3 A25 → SMEMR (2/20,3/80,4/80,4/110,5/80) (11/20,11/110,12/118) XE3 A26 → SMEMR (2/20,3/80,4/80,4/110,5/80) XE3 A27 → SMEMR (2/20,3/80,4/80,4/110,5/80) XE3 A28 → SMEMR (2/20,3/80,4/80,4/110,5/80) XE3 A29 → SMEMR (2/20,3/80,4/80,4/110,5/80) XE3 A30 → SMEMR (2/20,3/80,4/80,4/110,5/80) XE3 A31 → SMEMR (2/20,3/80,4/80,4/110,5/80) XE3 A32 → LH2NETCLKOUT (n.c.) (8/80) XE3 B1 → IOW (1/20,11/110,12/118) XE3 B2 → IOW (1/20,11/110,12/118) XE3 B3 → IOW (1/20,11/110,12/118) XE3 B4 → IOW (1/20,11/110,12/118) XE3 B5 → IOW (1/20,11/110,12/118) XE3 B6 → IOW (1/20,11/110,12/118) XE3 B7 → IOW (1/20,11/110,12/118) XE3 B8 → IOW (1/20,11/110,12/118) XE3 B9 → IOW (1/20,11/110,12/118) XE3 B10 → IOW (1/20,11/110,12/118) XE3 B11 → IOW (1/20,11/110,12/118) XE3 B12 → IOW (1/20,11/110,12/118) XE3 B13 → IOW (1/20,11/110,12/118) XE3 B14 → IOW (1/20,11/110,12/118) XE3 B15 → IOW (1/20,11/110,12/118) XE3 B16 → IOW (1/20,11/110,12/118) XE3 B17 → IOW (1/20,11/110,12/118) XE3 B18 → IOW (1/20,11/110,12/118) XE3 B19 → IOW (1/20,11/110,12/118) XE3 B20 → IOW (1/20,11/110,12/118) XE3 B21 → IOW (1/20,11/110,12/118) XE3 B22 → IOW (1/20,11/110,12/118) XE3 B23 → IOW (1/20,11/110,12/118) XE3 B24 → IOW (1/20,11/110,12/118) XE3 B25 → IOW (1/20,11/110,12/118) XE3 B26 → IOW (1/20,11/110,12/118) XE3 B27 → IOW (1/20,11/110,12/118) XE3 B28 → IOW (1/20,11/110,12/118) XE3 B29 → IOW (1/20,11/110,12/118) XE3 B30 → IOW (1/20,11/110,12/118) XE3 B31 → IOW (1/20,11/110,12/118) XE3 B32 → IOW (1/20,11/110,12/118)			<b>UNIVERSAL SIGN. UNIT 2</b> XE3 B1 → SA0 (2/80,3/80,4/80,4/110,5/110) (8/80,9/118,11/108,11/84) (12/60) XE3 B2 → SA1 XE3 B3 → SA2 XE3 B4 → SA3 XE3 B5 → SA4 XE3 B6 → SA5 XE3 B7 → SA6 XE3 B8 → SA7 XE3 B9 → SA8 XE3 B10 → SA9 XE3 B11 → SAT0 XE3 B12 → SAT1 XE3 B13 → LH2MIDCK (8/50) XE3 B14 → LH2MID11 (8/58) XE3 B15 → LH2MID10 (8/58) XE3 B16 → LH2MID9 (8/58) XE3 B17 → LH2MID8 (8/58) XE3 B18 → LH2MID7 (8/58) XE3 B19 → LH2MID6 (8/58) XE3 B20 → R251 100 XE3 B21 → DIAGNOSE (3/20,3/20,7/20,9/100,10/80) (13/110,16/20) XE3 B22 → LH2SECEXTI (n.c.) XE3 B23 → LH2SECEXTI (n.c.) XE3 B24 → LH2FRIEXTRAMP (n.c.) XE3 B25 → LH2FRIEXTI (n.c.) XE3 B26 → LH2FRIEXTI (n.c.) XE3 B27 → LH2FRIEXTI (n.c.) XE3 B28 → LH2FRIEXTI (n.c.) XE3 B29 → LH2FRIEXTI (n.c.) XE3 B30 → LH2FRIEXTI (n.c.) XE3 B31 → LH2FRIEXTI (n.c.) XE3 B32 → LH2FRIEXTI (n.c.) XE3 C1 → LH2MID1 (8/58) XE3 C2 → LH2MID2 (8/58) XE3 C3 → LH2MID3 (8/58) XE3 C4 → LH2MID4 (8/58) XE3 C5 → LH2MID5 (8/58) XE3 C6 → LH2MID6 (8/58) XE3 C7 → LH2MID7 (8/58) XE3 C8 → LH2MOD1 (8/50) XE3 C9 → LH2MOD2 (8/50) XE3 C10 → LH2MOD3 (8/50) XE3 C11 → LH2MOD4 (8/50) XE3 C12 → LH2MOD5 (8/50) XE3 C13 → LH2MOD6 (8/50) XE3 C14 → LH2MOD7 (8/50) XE3 C15 → LH2MOD8 (8/50) XE3 C16 → LH2MOD9 (8/50) XE3 C17 → LH2MOD10 (8/50) XE3 C18 → LH2MOD11 (8/50) XE3 C19 → LH2MOD12 (8/50) XE3 C20 → LH2MOD13 (8/50) XE3 C21 → LH2MOD14 (8/50) XE3 C22 → LH2MOD15 (8/50) XE3 C23 → LH2MOD16 (8/50) XE3 C24 → LH2MOD17 (8/50) XE3 C25 → LH2MOD18 (8/50) XE3 C26 → LH2MOD19 (8/50) XE3 C27 → LH2MOD20 (8/50) XE3 C28 → LH2MOD21 (8/50) XE3 C29 → LH2MOD22 (8/50) XE3 C30 → LH2MOD23 (8/50) XE3 C31 → LH2MOD24 (8/50) XE3 C32 → LH2MOD25 (8/50)		

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<b>ROHDE &amp; SCHWARZ</b> Typ: CMU 1.2. 1100.0008.01 1.2. 1100.0008.01				Benennung: MOTHERBOARD Datum: 00-02-16 Abteilung: 1CMK Name: KRAETSCH				Sprache / Long: DE Anz. / C.I.: 01 Blatt / Sh.: 6+			
Zeichn. Nr. / Drawing No.: 1100.0908.01 S top TOP-e											

# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>DIGITAL BOARD</b>			<b>DIGITAL BOARD</b>			<b>DIGITAL BOARD</b>			<b>DIGITAL BOARD</b>		
X72 A1	+5VREF	(3/28/4/28/4/88.5/88.6/28)	X72 C1			X73 A1	LH1DD0	(6/80)	X74 C1	LH2DD0	(6/80)
X72 A2			X72 C2			X73 A2	LH1DD1	(6/80)	X74 C2	LH2DD1	(6/80)
X72 A3	+3.3V	(9/28/18/88.13/118.16/28)	X72 C3	RXTX1CLK	(4/20)	X73 A3	LH1DD2	(6/80)	X74 C3	LH2DD2	(6/80)
X72 A4			X72 C4	RXTX1DCDATA	(4/20)	X73 A4	LH1DD3	(6/80)	X74 C4	LH2DD3	(6/80)
X72 A5	+5.2V		X72 C5	RXTX1TXSET	(3/20/4/20)	X73 A5	LH1DD4	(6/80)	X74 C5	LH2DD4	(6/80)
X72 A6			X72 C6	RXTX1RXSET	(4/20)	X73 A6	LH1DD5	(6/80)	X74 C6	LH2DD5	(6/80)
X72 A7			X72 C7	RXTX1RXSETACK	(4/20)	X73 A7	LH1DD6	(6/80)	X74 C7	LH2DD6	(6/80)
X72 A8			X72 C8	RXTX1TXSETACK	(4/20)	X73 A8	LH1DD7	(6/80)	X74 C8	LH2DD7	(6/80)
X72 A9	+3.3V		X72 C9	RXTX1STEPCLK	(4/20)	X73 A9	LH1DD8	(6/80)	X74 C9	LH2DD8	(6/80)
X72 A10			X72 C10	RXTX1DCFRAME	(4/20)	X73 A10	LH1DD9	(6/80)	X74 C10	LH2DD9	(6/80)
X72 A11	+12V		X72 C11	RXTX2TXSET	(4/20)	X73 A11	LH1DD10	(6/80)	X74 C11	LH2DD10	(6/80)
X72 A12			X72 C12	RXTX1DCDATA	(4/20)	X73 A12	LH1DD11	(6/80)	X74 C12	LH2DD11	(6/80)
X72 A13	-1.2V		X72 C13	RXTX2CLK	(4/80)	X73 A13	LH1DD12	(6/80)	X74 C13	LH2DD12	(6/80)
X72 A14			X72 C14	RXTX2DCDATA	(4/80)	X73 A14	LH1DD13	(6/80)	X74 C14	LH2DD13	(6/80)
X72 A15	+6V		X72 C15	RXTX2TXSET	(3/20/4/20)	X73 A15	LH1DD14	(6/80)	X74 C15	LH2DD14	(6/80)
X72 A16			X72 C16	RXTX2RXSET	(4/80)	X73 A16	LH1DD15	(6/80)	X74 C16	LH2DD15	(6/80)
X72 A17	PROGNETCLK	(3/20/3/20)	X72 C17	RXTX2DCFRAME	(4/80)	X73 A17	LH1DD16	(6/80)	X74 C17	LH2DD16	(6/80)
X72 A18			X72 C18	RXTX2TXSETACK	(4/80)	X73 A18	LH1DD17	(6/80)	X74 C18	LH2DD17	(6/80)
X72 A19	LH1DI0CLK	(6/80)	X72 C19	RXTX2RXSETACK	(4/80)	X73 A19	LH1DD18	(6/80)	X74 C19	LH2DD18	(6/80)
X72 A20	LH1NETCLK	(6/80)	X72 C20	RXTX2TXSETACK	(4/80)	X73 A20	LH1DD19	(6/80)	X74 C20	LH2DD19	(6/80)
X72 A21			X72 C21	RXTX2DCDATA	(4/80)	X73 A21	LH1DD20	(6/80)	X74 C21	LH2DD20	(6/80)
X72 A22	LH2DI0CLK	(6/80)	X72 C22			X73 A22	LH1DD21	(6/80)	X74 C22	LH2DD21	(6/80)
X72 A23	LH2NETCLK	(6/80)	X72 C23			X73 A23	LH1DD22	(6/80)	X74 C23	LH2DD22	(6/80)
X72 A24			X72 C24			X73 A24	LH1DD23	(6/80)	X74 C24	LH2DD23	(6/80)
X72 B1			X72 D1			X73 B1			X74 D1		
X72 B2	DIAGNOSE	(3/20/3/20/6/100.9/100.10/80)	X72 D2	RXTX1POWERSTRB	(4/80)	X73 B2	LH1SERCLK	(6/80)	X74 D2	LH2SERCLK	(6/20)
X72 B3			X72 D3	RXTX1KUPRESET	(4/80)	X73 B3	LH1SERLDDATA	(6/20)	X74 D3	LH2SERLDDATA	(6/20)
X72 B4	+3.3V	(13/11/16/20)	X72 D4	RXTX1KUPRESET	(4/80)	X73 B4	LH1SERLDFRAME	(6/20)	X74 D4	LH2SERLDFRAME	(6/20)
X72 B5			X72 D5	RXTX1KUPIREQ	(4/110)	X73 B5	LH1SERLDDATA	(6/20)	X74 D5	LH2SERLDDATA	(6/20)
X72 B6	+5.2V		X72 D6	RXTX2POWERSTRB	(4/110)	X73 B6	LH1RXSET	(6/20)	X74 D6	LH2RXSET	(6/20)
X72 B7			X72 D7	RXTX2KUPRESET	(4/110)	X73 B7	LH1RXSET	(6/20)	X74 D7	LH2RXSET	(6/20)
X72 B8	+3.3V		X72 D8	RXTX2KUPIREQ	(4/110)	X73 B8	LH1RXSET	(6/20)	X74 D8	LH2RXSET	(6/20)
X72 B9			X72 D9	LH1CSOPRAM	(9/100)	X73 B9	LH1RXSET	(6/20)	X74 D9	LH2RXSET	(6/20)
X72 B10			X72 D10	LH1CSOPRAM	(9/100)	X73 B10	LH1RXSET	(6/20)	X74 D10	LH2RXSET	(6/20)
X72 B11	AUX12CSDA	(3/20/5/20.16/80.14/110)	X72 D11	LH1CSOPRAM	(9/100)	X73 B11	LH1RXSET	(6/20)	X74 D11	LH2RXSET	(6/20)
X72 B12	AUX12CSCL	(3/20/5/20.16/80.14/110)	X72 D12	LH1CSOPRAM	(9/100)	X73 B12	LH1RXSET	(6/20)	X74 D12	LH2RXSET	(6/20)
X72 B13			X72 D13	LH1CSOPRAM	(9/100)	X73 B13	LH1RXSET	(6/20)	X74 D13	LH2RXSET	(6/20)
X72 B14	FED2CSDA	(13/110)	X72 D14	LH1DRVDIR	(9/100)	X73 B14	RXTX1DCFRAME	(4/80)	X74 D14	RXTX2DCFRAME	(4/80)
X72 B15	FED2CSCL	(13/110)	X72 D15	LH1LHNT	(9/100)	X73 B15	RXTX1DCFRAME	(4/80)	X74 D15	RXTX2DCFRAME	(4/80)
X72 B16	ADVIN	(13/110)	X72 D16	LH2CSOPRAM	(6/100)	X73 B16	LH1SERLDFRAME	(6/20)	X74 D16	LH2SERLDFRAME	(6/20)
X72 B17	ADVCL	(13/110)	X72 D17	LH2CSOPRAM	(6/100)	X73 B17	LH1SERLDFRAME	(6/20)	X74 D17	LH2SERLDFRAME	(6/20)
X72 B18	ADSDATA	(13/110)	X72 D18	LH2CSOPRAM	(6/100)	X73 B18	LH1SERLDFRAME	(6/20)	X74 D18	LH2SERLDFRAME	(6/20)
X72 B19	ADSCAL	(13/110)	X72 D19	LH2CSOPRAM	(6/100)	X73 B19	LH1SERLDFRAME	(6/20)	X74 D19	LH2SERLDFRAME	(6/20)
X72 B20	ADSCAL	(13/110)	X72 D20	LH2CSOPRAM	(6/100)	X73 B20	LH1SERLDFRAME	(6/20)	X74 D20	LH2SERLDFRAME	(6/20)
X72 B21	ADRDY	(13/110)	X72 D21	LH2CSOPRAM	(6/100)	X73 B21	LH1SERLDFRAME	(6/20)	X74 D21	LH2SERLDFRAME	(6/20)
X72 B22	ADCS	(13/110)	X72 D22	LH2CSOPRAM	(6/100)	X73 B22	LH1SERLDFRAME	(6/20)	X74 D22	LH2SERLDFRAME	(6/20)
X72 B23	ADCONV	(13/110)	X72 D23	LH2CSOPRAM	(6/100)	X73 B23	LH1SERLDFRAME	(6/20)	X74 D23	LH2SERLDFRAME	(6/20)
X72 B24			X72 D24	LH2CSOPRAM	(6/100)	X73 B24	LH1SERLDFRAME	(6/20)	X74 D24	LH2SERLDFRAME	(6/20)
X71 A1	EXTIBUS11		X71 C1			X71 B1	LH1SERLDFRAME	(6/20)	X71 D1	LH2SERLDFRAME	(6/20)
X71 A2	EXTIBUS10		X71 C2	RXTX1NCORX	(4/80)	X71 B2	LH1SERLDFRAME	(6/20)	X71 D2	LH2SERLDFRAME	(6/20)
X71 A3	EXTIBUS9		X71 C3	RXTX1NCOTX	(4/80)	X71 B3	LH1SERLDFRAME	(6/20)	X71 D3	LH2SERLDFRAME	(6/20)
X71 A4	EXTIBUS8		X71 C4	RXTX2NCORX	(4/110)	X71 B4	LH1SERLDFRAME	(6/20)	X71 D4	LH2SERLDFRAME	(6/20)
X71 A5	EXTIBUS7		X71 C5	RXTX2NCOTX	(4/110)	X71 B5	LH1SERLDFRAME	(6/20)	X71 D5	LH2SERLDFRAME	(6/20)
X71 A6	EXTIBUS6		X71 C6			X71 B6	LH1SERLDFRAME	(6/20)	X71 D6	LH2SERLDFRAME	(6/20)
X71 A7	EXTIBUS5		X71 C7	LEDRF1OUT	(13/98)	X71 B7	LH1SERLDFRAME	(6/20)	X71 D7	LH2SERLDFRAME	(6/20)
X71 A8	EXTIBUS4		X71 C8	LEDRF1IN	(13/98)	X71 B8	LH1SERLDFRAME	(6/20)	X71 D8	LH2SERLDFRAME	(6/20)
X71 A9	EXTIBUS3		X71 C9	LEDRF2OUT	(13/98)	X71 B9	LH1SERLDFRAME	(6/20)	X71 D9	LH2SERLDFRAME	(6/20)
X71 A10	EXTIBUS2		X71 C10	LEDRF2IN	(13/98)	X71 B10	LH1SERLDFRAME	(6/20)	X71 D10	LH2SERLDFRAME	(6/20)
X71 A11	EXTIBUS1		X71 C11	LEDRF3OUT	(13/98)	X71 B11	LH1SERLDFRAME	(6/20)	X71 D11	LH2SERLDFRAME	(6/20)
X71 A12	EXTIBUS1		X71 C12	LEDRF3IN	(13/98)	X71 B12	LH1SERLDFRAME	(6/20)	X71 D12	LH2SERLDFRAME	(6/20)
X71 B1	EXTIBUS14		X71 D1	SK000	(16/80)	X71 B13	LH1SERLDFRAME	(6/20)	X71 D13	LH2SERLDFRAME	(6/20)
X71 B2	EXTIBUS13		X71 D2	SR000	(16/80)	X71 B14	LH1SERLDFRAME	(6/20)	X71 D14	LH2SERLDFRAME	(6/20)
X71 B3	EXTIBUS12		X71 D3	ST000	(16/80)	X71 B15	LH1SERLDFRAME	(6/20)	X71 D15	LH2SERLDFRAME	(6/20)
X71 B4	EXTIBUS11		X71 D4	SC000	(16/80)	X71 B16	LH1SERLDFRAME	(6/20)	X71 D16	LH2SERLDFRAME	(6/20)
X71 B5			X71 D5	SC010	(16/80)	X71 B17	LH1SERLDFRAME	(6/20)	X71 D17	LH2SERLDFRAME	(6/20)
X71 B6			X71 D6	SC020	(16/80)	X71 B18	LH1SERLDFRAME	(6/20)	X71 D18	LH2SERLDFRAME	(6/20)
X71 B7			X71 D7	SC030	(16/80)	X71 B19	LH1SERLDFRAME	(6/20)	X71 D19	LH2SERLDFRAME	(6/20)
X71 B8			X71 D8	SC040	(16/80)	X71 B20	LH1SERLDFRAME	(6/20)	X71 D20	LH2SERLDFRAME	(6/20)
X71 B9			X71 D9	SC050	(16/80)	X71 B21	LH1SERLDFRAME	(6/20)	X71 D21	LH2SERLDFRAME	(6/20)
X71 B10			X71 D10	SC060	(16/80)	X71 B22	LH1SERLDFRAME	(6/20)	X71 D22	LH2SERLDFRAME	(6/20)
X71 B11			X71 D11	SC070	(16/80)	X71 B23	LH1SERLDFRAME	(6/20)	X71 D23	LH2SERLDFRAME	(6/20)
X71 B12	FANSPEED	(15/20)	X71 D12	SC080	(16/80)	X71 B24	LH1SERLDFRAME	(6/20)	X71 D24	LH2SERLDFRAME	(6/20)

Four-digit hexadecimal base numbers are also possible. For this document all rights are reserved.

<b>ROHDE &amp; SCHWARZ</b>		Benennung: <b>MOTHERBOARD</b>			Sprache: / Long: <b>DE</b>		Anz. / C.1: <b>02.01</b>		Blatt / Sh.: <b>7+</b>	
Typ: <b>CMU</b>	Datum: <b>00-02-16</b>	Abteilung: <b>1CMK</b>	Name: <b>KRAETSCH</b>	Zeichn. Nr. / Drawing No.: <b>1100.0908.01 S</b>						
1.2.: <b>1100.0008.01</b>		top/Top-7								

CONNECTOR DEFINITIONS MB1

Table with 12 columns: COMPONENT/PIN, SIGNAL, ON SHEET, COMPONENT/PIN, SIGNAL, ON SHEET, COMPONENT/PIN, SIGNAL, ON SHEET, COMPONENT/PIN, SIGNAL, ON SHEET. It details connector definitions for Digital Boards, including signals like LH1MID0-10, LH1MIOCLK, LH1TEBUS1-8, LH1DEMSE... and LH1SCIE... with their respective sheet references.

Four-digit pin labels have four characters, while five-digit labels have five characters. For this document all rights are reserved.

ROHDE & SCHWARZ Motherboard specification table including fields for Typ (CMU), Datum (00-02-16), Abteilung (1CMK), Name (KRAETSCH), and Zeichn. Nr. (1100.0908.01 S).



# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>UNIVERSAL SIGN. UNIT 1</b> 			<b>UNIVERSAL SIGN. UNIT 1</b> 			<b>UNIVERSAL SIGN. UNIT 1</b> 					

Four-digit Marking: base, Manufacturer, version, alle Rechte vorbehalten. For this document all rights are reserved.

<b>ROHDE &amp; SCHWARZ</b>				Benennung: MOTHERBOARD		Sprache: / Long: DE		Anz. / C1: 02.01		Blatt / Sh: 9+	
Typ: CMU		Datum: 00-02-16		Abteilung: 1CMK		Name: KRAETSCH		Zeichn. Nr. / Drawing No.: 1100.0908.01 S			
1. Z.: 1100.0008.01								top_top-g			

# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>USU1 CO-PROCESSOR</b> 			<b>USU1 CO-PROCESSOR</b> 			<b>USU1 CO-PROCESSOR</b> 			<b>USU1 CO-PROCESSOR</b> 		

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<b>ROHDE &amp; SCHWARZ</b>			Benennung: <b>MOTHERBOARD</b>			Sprache / Long: <b>DE</b>		Anz. / C.I.: <b>02.01</b>		Blatt / Sh.: <b>10+</b>	
Typ: <b>CMU</b>		Datum: <b>00-02-16</b>		Abteilung: <b>1CMK</b>		Name: <b>KRAETSCH</b>		Zeichn. Nr. / Drawing No.: <b>1100.0908.01 S</b>			
1. Z.: <b>1100.0008.01</b>								TOP / ZOP: 10			

# CONNECTOR DEFINITIONS MB1

# ISA-TERMINATION

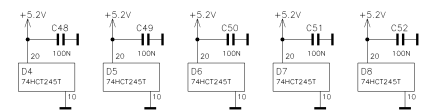
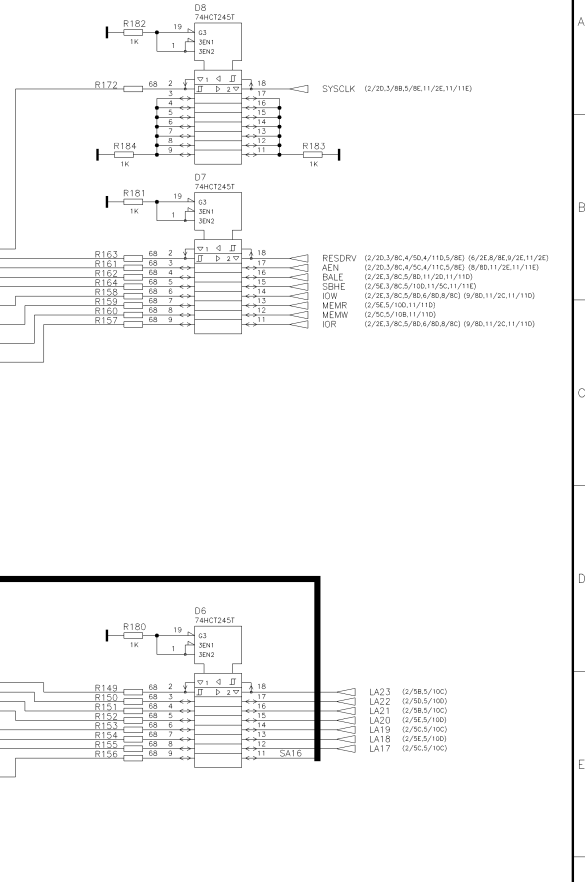
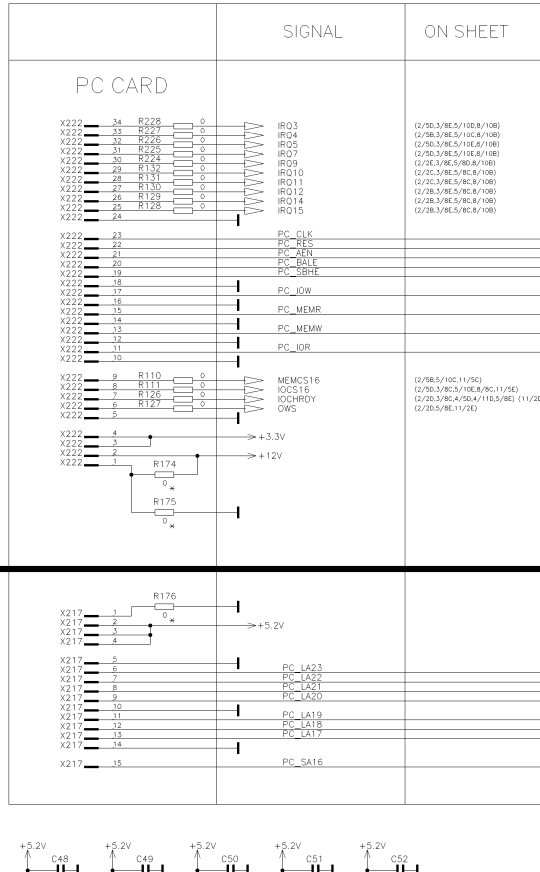
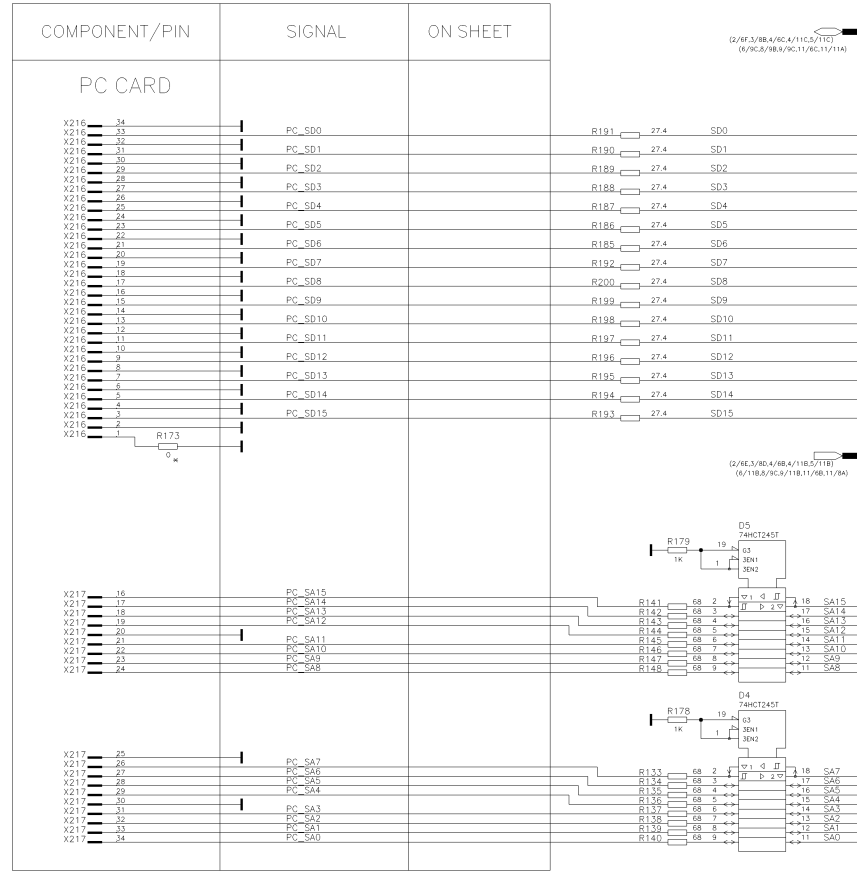
COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>USU1 CO-PROCESSOR</b> 			<b>USU1 CO-PROCESSOR</b> 		
X93 A1	+12V		X93 C1	SA0	(2/8E3/80.4/88.4/118.5/118) (6/118.8/90.9/118.1/168.12/60)
X93 A2	+12V		X93 C2	SA2	
X93 A3	+5.2V	C205	X93 C3	SA4	
X93 A4	+5.2V	C205	X93 C4	SA6	
X93 A5			X93 C5	SA8	
X93 A6			X93 C6	SA10	
X93 A7			X93 C7	SA12	
X93 A8			X93 C8	SA14	
X93 A9			X93 C9	SA16	
X93 A10	SMEMR	(2/2C.3/90.4/50.4/110.5/80) (6/86.8/80.9/80.11/118)	X93 C10	SA18	
X93 A11	SMEMW	(2/2C.3/90.4/50.4/110.5/80) (6/86.8/80.9/80.11/118)	X93 C11	SA18	
X93 A12			X93 C12	SA18	
X93 A13			X93 C13	SA18	
X93 A14			X93 C14	SA18	
X93 A15			X93 C15	SA18	
X93 A16			X93 C16	SA18	
X93 A17			X93 C17	SA18	
X93 A18			X93 C18	SA18	
X93 A19			X93 C19	SA18	
X93 A20			X93 C20	SA18	
X93 A21			X93 C21	SA18	
X93 A22			X93 C22	SA18	
X93 A23			X93 C23	SA18	
X93 A24			X93 C24	SA18	
X93 B1	IOR	(2/2L3/80.5/80.6/80.8/80) (8/80.11/118.12/118)	X93 D1	SDB	(2/8F.3/88.4/80.4/110.5/110) (6/90.8/90.9/90.11/118.12/60)
X93 B2	IOW	(2/2L3/80.5/80.6/80.8/80) (8/80.11/118.12/118)	X93 D2	SBHE	(2/90.3/80.5/100.11/118.12/118)
X93 B3	BALE	(2/2L3/80.5/80.6/80.8/80) (8/80.11/118.12/118)	X93 D3	SA1	
X93 B4			X93 D4	SA3	
X93 B5			X93 D5	SA5	
X93 B6			X93 D6	SA7	
X93 B7			X93 D7	SA9	
X93 B8			X93 D8	SA11	
X93 B9			X93 D9	SA13	
X93 B10	SD0		X93 D10	SA15	
X93 B11	SD1		X93 D11	SA17	
X93 B12	SD2		X93 D12	SA19	
X93 B13	SD3		X93 D13	SA19	
X93 B14	SD4		X93 D14	SA19	
X93 B15	SD5		X93 D15	SA19	
X93 B16	SD6		X93 D16	SA19	
X93 B17	SD7		X93 D17	SA19	
X93 B18			X93 D18	SA19	
X93 B19	IOCHRDY	(2/20.3/88.5/80.11/118.12/118) (12/70)	X93 D19	SA19	
X93 B20	AEN	(2/20.3/88.5/80.11/118.12/118) (8/80.11/118.12/118)	X93 D20	SDP	
X93 B21	RESDRV	(2/20.3/88.5/80.11/118.12/118) (8/80.11/118.12/118)	X93 D21	SD11	
X93 B22	OWS	(2/20.3/88.5/80.11/118.12/118) (8/80.11/118.12/118)	X93 D22	SD13	
X93 B23			X93 D23	SD15	
X93 B24	SYSCLK	(2/20.3/88.5/80.11/118.12/118) (8/80.11/118.12/118)	X93 D24	MEMCS16	(2/20.3/80.5/100.11/118.12/118)



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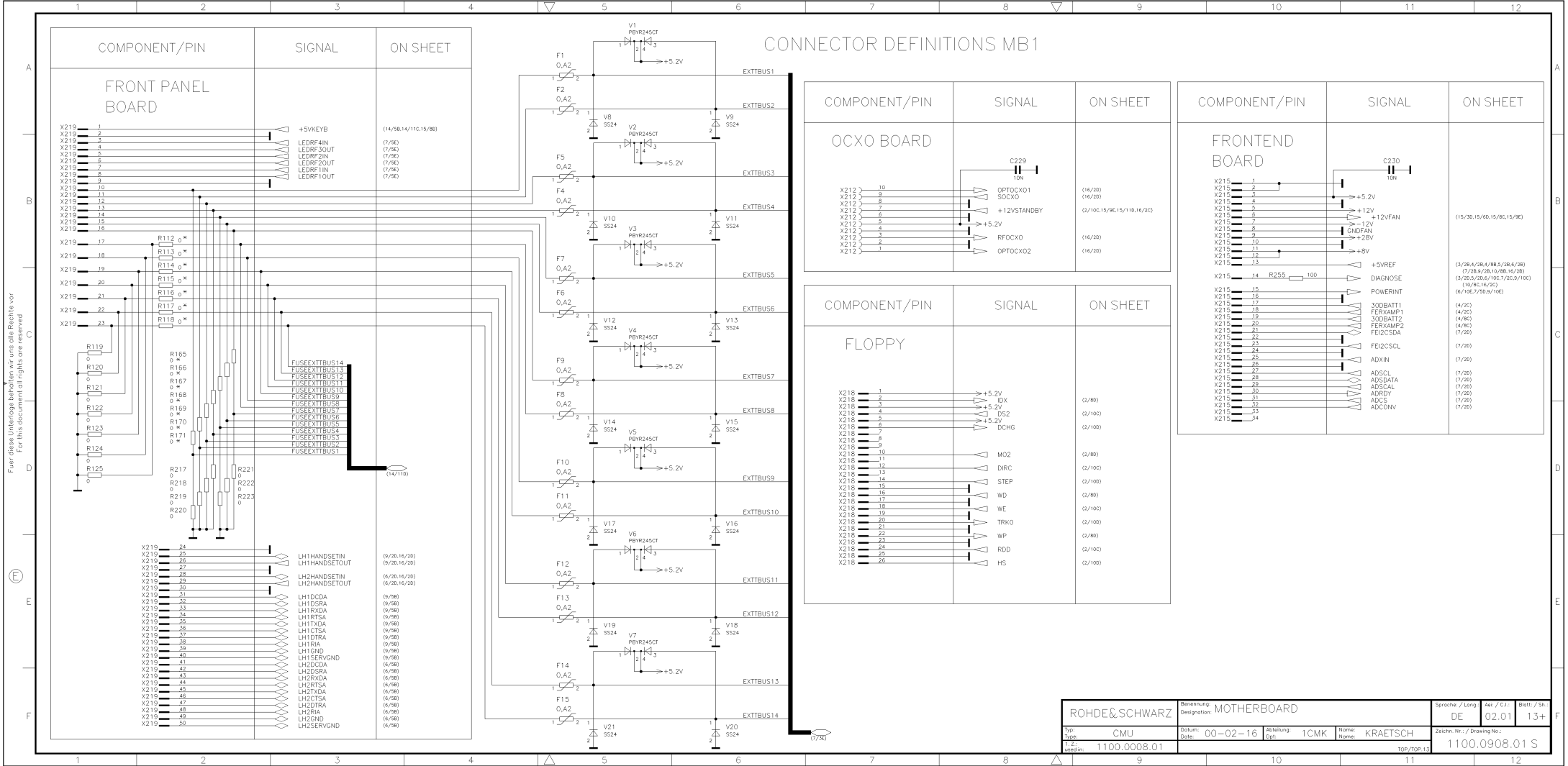
<b>ROHDE &amp; SCHWARZ</b>		Benennung: <b>MOTHERBOARD</b>		Sprache / Lang: <b>DE</b>		Anz. / C1.: <b>02.01</b>		Blatt / Sh.: <b>11+</b>	
Typ: <b>CMU</b>		Datum: <b>00-02-16</b>		Abteilung: <b>1CMK</b>		Name: <b>KRAETSCH</b>		Zeichn. Nr.: <b>1100.0908.01 S</b>	
1. Z.: <b>1100.0008.01</b>								10P/20P.1	

# CONNECTOR DEFINITIONS MB1



<b>ROHDE &amp; SCHWARZ</b>		Benennung: MOTHERBOARD		Sprache / Long: DE		Anr. / Cl.: 02.01		Blatt / Sh.: 12+	
Typ: CMU		Datum: 00-02-16		Abteilung: 1CMK		Name: KRAETSCH		Zeichn. Nr. / Drawing No.: 1100.0908.01 S	
1.2.1100.0008.01								10P/20P.12	

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### CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET
X210 10	OPTOCX01	(16/20)
X210 9	SOCXO	(16/20)
X210 8	+12VSTANDBY	(2/100,15/96,15/110,16/20)
X210 7	+5.2V	
X210 6	+5.2V	
X210 5	RFOCX0	(16/20)
X210 4	OPTOCX02	(16/20)

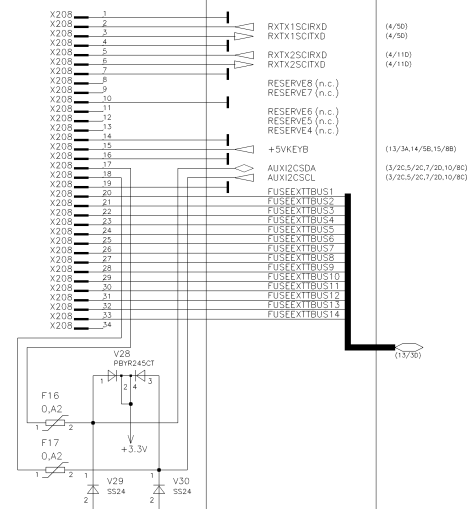
COMPONENT/PIN	SIGNAL	ON SHEET
X215 1	+5.2V	
X215 2	+5.2V	
X215 3	+12V	
X215 4	+12VFAN	(15/30,15/60,15/86,15/96)
X215 5	+12V	
X215 6	+12V	
X215 7	ENDFAN	
X215 8	+28V	
X215 9	+28V	
X215 10	+28V	
X215 11	+8VREF	(3/28,4/28,4/88,5/28,6/28)
X215 12	DIAGNOSE	(7/28,9/28,10/88,16/96)
X215 13	DIAGNOSE	(3/28,3/28,6/100,7/28,9/100)
X215 14	POWERINT	(16/80,16/20)
X215 15	POWERINT	(6/100,7/28,1/80)
X215 16	30DBATT1	(4/20)
X215 17	FERKAMP1	(4/20)
X215 18	30DBATT2	(4/80)
X215 19	FERKAMP2	(4/80)
X215 20	FEI2CSDA	(7/20)
X215 21	FEI2CSDA	(7/20)
X215 22	ADIN	(7/20)
X215 23	FEI2CSCL	(7/20)
X215 24	ADIN	(7/20)
X215 25	ADIN	(7/20)
X215 26	ADIN	(7/20)
X215 27	ADSDATA	(7/20)
X215 28	ADSDATA	(7/20)
X215 29	ADSDATA	(7/20)
X215 30	ADSDATA	(7/20)
X215 31	ADSDATA	(7/20)
X215 32	ADSDATA	(7/20)
X215 33	ADSDATA	(7/20)
X215 34	ADSDATA	(7/20)

COMPONENT/PIN	SIGNAL	ON SHEET
X218 1	+5.2V	
X218 2	IDX	(2/80)
X218 3	+5.2V	
X218 4	+5.2V	
X218 5	DS2	(2/100)
X218 6	+5.2V	
X218 7	DCHG	(2/100)
X218 8		
X218 9		
X218 10		
X218 11	MO2	(2/80)
X218 12	DIRC	(2/100)
X218 13		
X218 14	STEP	(2/100)
X218 15		
X218 16	WD	(2/80)
X218 17		
X218 18	WE	(2/100)
X218 19	TRK0	(2/100)
X218 20		
X218 21	WP	(2/80)
X218 22		
X218 23	RDD	(2/100)
X218 24		
X218 25		
X218 26	HS	(2/100)

<b>ROHDE &amp; SCHWARZ</b> Typ: CMU 1. Z.: 1100.0008.01 2. Z.:		Benennung: MOTHERBOARD Datum: 00-02-16 Abteilung: 1CMK Name: KRAETSCH		Sprache / Long: DE Anz. / Cl.: 02.01 Blatt / Sh.: 13+		Zeichen. Nr. / Drawing No.: 1100.0908.01 S Top/Doc. 13	
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# CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>REAR PANEL BOARD 1</b>			<b>REAR PANEL BOARD 1</b>			<b>REAR PANEL BOARD 2</b>			<b>REAR PANEL BOARD 2</b>		
X205 1	D4	(2/100)	X205 1	+5VKEYB	(13/3A,14/3B,15/3B)	X207 1	EXT1MODIN	(5/58)	X208 1	RXT1SCRXD	(4/50)
X205 2	D5	(2/100)	X205 2	MSDAT	(2/100)	X207 2	EXT1MODQIN	(5/58)	X208 2	RXT1SCITXD	(4/50)
X205 3	D6	(2/100)	X205 3	KEYCLK	(2/100)	X207 3	EXT1MODOUT	(5/58)	X208 3	RXT2SCRXD	(4/110)
X205 4	D1	(2/100)	X205 4	MSCCLK	(2/100)	X207 4	EXT1MODGOUT	(5/58)	X208 4	RXT2SCITXD	(4/110)
X205 5	D6	(2/100)	X205 5	KEYDAT	(2/100)	X207 5	EXT1DEMIDIN	(5/50)	X208 5	RESERVE6 (n.c.)	
X205 6	D2	(2/100)	X205 6			X207 6	EXT1DEMIDQIN	(5/50)	X208 6	RESERVE7 (n.c.)	
X205 7	D7	(2/100)	X205 7			X207 7	EXT1DEMIDOUT	(5/50)	X208 7	RESERVE6 (n.c.)	
X205 8	D2	(2/100)	X205 8			X207 8	EXT1DEMIDQOUT	(5/50)	X208 8	RESERVE5 (n.c.)	
X205 9	REN	(2/100)	X205 9			X207 9	EXT2MODIN	(5/50)	X208 9	RESERVE5 (n.c.)	
X205 10	EOI	(2/100)	X205 10			X207 10	EXT2MODQIN	(5/50)	X208 10	+5VKEYB	(13/3A,14/3B,15/3B)
X205 11	DAV	(2/100)	X205 11			X207 11	EXT2MODOUT	(5/50)	X208 11	AUXK2CSDA	(3/20,5/20,7/20,10/80)
X205 12	NRFD	(2/100)	X205 12			X207 12	EXT2MODQOUT	(5/50)	X208 12	AUXK2CSCL	(3/20,5/20,7/20,10/80)
X205 13	NDAC	(2/100)	X205 13			X207 13	EXT2MODIN	(5/50)	X208 13	FUSEEXTBUS1	
X205 14	IFS	(2/100)	X205 14			X207 14	EXT2MODQIN	(5/50)	X208 14	FUSEEXTBUS2	
X205 15	SFQ	(2/100)	X205 15			X207 15	EXT2MODOUT	(5/50)	X208 15	FUSEEXTBUS3	
X205 16	ATN	(2/100)	X205 16			X207 16	EXT2DEMIDIN	(5/50)	X208 16	FUSEEXTBUS4	
X205 17	SLCT	(2/100)	X205 17			X207 17	EXT2DEMIDQIN	(5/50)	X208 17	FUSEEXTBUS5	
X205 18	FE	(2/100)	X205 18			X207 18	EXT2DEMIDOUT	(5/50)	X208 18	FUSEEXTBUS6	
X205 19	BUSY	(2/100)	X205 19			X207 19	EXT2MODIN	(5/50)	X208 19	FUSEEXTBUS7	
X205 20	ACK	(2/100)	X205 20			X207 20	EXT2MODQIN	(5/50)	X208 20	FUSEEXTBUS8	
X205 21	PD7	(2/100)	X205 21			X207 21	EXT2MODQOUT	(5/50)	X208 21	FUSEEXTBUS9	
X205 22	PD8	(2/100)	X205 22			X207 22	EXT2MODIN	(5/50)	X208 22	FUSEEXTBUS10	
X205 23	PD9	(2/100)	X205 23			X207 23	EXT2DEMIDIN	(5/50)	X208 23	FUSEEXTBUS11	
X205 24	PD5	(2/100)	X205 24			X207 24	EXT2DEMIDQIN	(5/50)	X208 24	FUSEEXTBUS12	
X205 25	PD4	(2/100)	X205 25			X207 25	EXT2DEMIDOUT	(5/50)	X208 25	FUSEEXTBUS13	
X205 26	PD3	(2/100)	X205 26			X207 26	EXT2MODIN	(5/50)	X208 26	FUSEEXTBUS14	
X205 27	PD2	(2/100)	X205 27			X207 27	EXT2MODQIN	(5/50)	X208 27		
X205 28	SUN	(2/100)	X205 28			X207 28	EXT2MODQOUT	(5/50)	X208 28		
X205 29	INIT	(2/100)	X205 29			X207 29	EXT2MODIN	(5/50)	X208 29		
X205 30	ERR	(2/100)	X205 30			X207 30	EXT2MODQIN	(5/50)	X208 30		
X205 31	FD1	(2/100)	X205 31			X207 31	EXT2MODOUT	(5/50)	X208 31		
X205 32	AFD	(2/100)	X205 32			X207 32	EXT2MODIN	(5/50)	X208 32		
X205 33	STB	(2/80)	X205 33			X207 33	EXT2MODQIN	(5/50)	X208 33		
X205 34	STB	(2/80)	X205 34			X207 34	EXT2MODQOUT	(5/50)	X208 34		

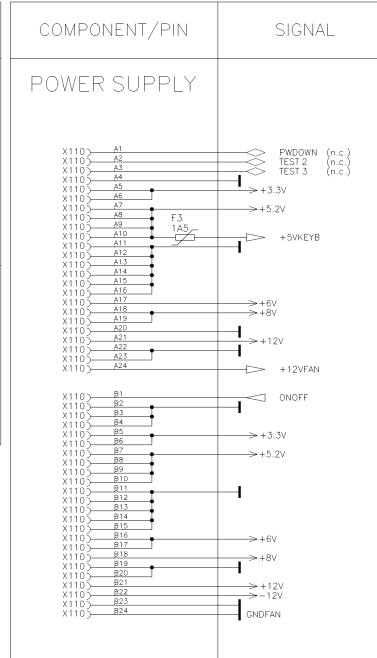
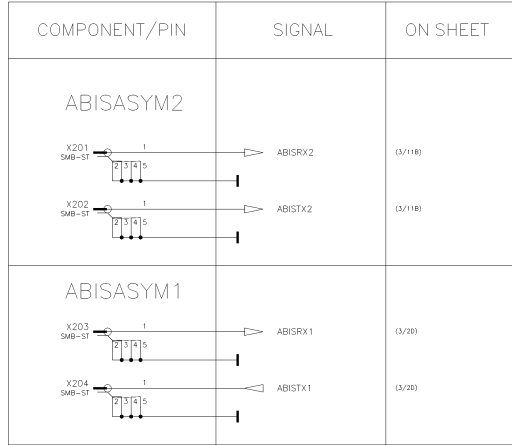
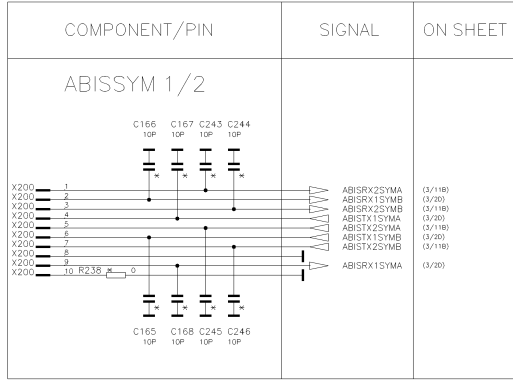


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<b>ROHDE &amp; SCHWARZ</b>		Benennung: MOTHERBOARD		Sprache / Long: DE		Anz. / C.I.: 02, 01		Blatt / Sh.: 14+	
Typ: CMU		Datum: 00-02-16		Abteilung: 1CMK		Name: KRAETSCH		Zeichn. Nr.: Drawing No.: 1100.0908.01 S	
1. Z.: 1100.0008.01								Top/Zip: 14	

# CONNECTOR DEFINITIONS MB1



### CONNECTOR DEFINITIONS MB1

### CONNECTOR DEFINITIONS MB2

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>MOTHERBOARD 1/2 CONNECTOR</b> 			<b>MOTHERBOARD 1/2 CONNECTOR</b> 		
X223 1	+5VREF	(1/28,4/28,4/88,5/28,6/28)	X224 1	SC120	(7/9F)
X223 2	+5VREF	(7/28,9/28,10/88,13/118)	X224 2	SC110	(7/9F)
X223 3	+5.2V		X224 3	STD10	(7/9F)
X223 4	+5.2V		X224 4	SRD10	(7/9F)
X223 5	+5.2V		X224 5	SCK10	(7/9F)
X223 6	+5.2V		X224 6	SCK10	(7/9F)
X223 7	+5.2V		X224 7	SCK10	(7/9F)
X223 8	+5.2V		X224 8	SCK10	(7/9F)
X223 9	+12V		X224 9	SCK10	(7/9F)
X223 10	+12V		X224 10	SCK10	(7/9F)
X223 11	+12V		X224 11	SCK10	(7/9F)
X223 12	+12V		X224 12	SCK10	(7/9F)
X223 13	+12V		X224 13	SCK10	(7/9F)
X223 14	+12V		X224 14	SCK10	(7/9F)
X223 15	+12V		X224 15	SCK10	(7/9F)
X223 16	+12V		X224 16	SCK10	(7/9F)
X223 17	+12V		X224 17	SCK10	(7/9F)
X223 18	+12V		X224 18	SCK10	(7/9F)
X223 19	+12V		X224 19	SCK10	(7/9F)
X223 20	+12V		X224 20	SCK10	(7/9F)
X223 21	+12V		X224 21	SCK10	(7/9F)
X223 22	+12V		X224 22	SCK10	(7/9F)
X223 23	+12V		X224 23	SCK10	(7/9F)
X223 24	+12V		X224 24	SCK10	(7/9F)
X223 25	+12V		X224 25	SCK10	(7/9F)
X223 26	+12V		X224 26	SCK10	(7/9F)
X223 27	+12V		X224 27	SCK10	(7/9F)
X223 28	+12V		X224 28	SCK10	(7/9F)
X223 29	+12V		X224 29	SCK10	(7/9F)
X223 30	+12V		X224 30	SCK10	(7/9F)
X223 31	+12V		X224 31	SCK10	(7/9F)
X223 32	+12V		X224 32	SCK10	(7/9F)
X223 33	+12V		X224 33	SCK10	(7/9F)
X223 34	+12V		X224 34	SCK10	(7/9F)
X223 35	+12V		X224 35	SCK10	(7/9F)
X223 36	+12V		X224 36	SCK10	(7/9F)
X223 37	+12V		X224 37	SCK10	(7/9F)
X223 38	+12V		X224 38	SCK10	(7/9F)
X223 39	+12V		X224 39	SCK10	(7/9F)
X223 40	+12V		X224 40	SCK10	(7/9F)
X223 41	+12V		X224 41	SCK10	(7/9F)
X223 42	+12V		X224 42	SCK10	(7/9F)
X223 43	+12V		X224 43	SCK10	(7/9F)
X223 44	+12V		X224 44	SCK10	(7/9F)
X223 45	+12V		X224 45	SCK10	(7/9F)
X223 46	+12V		X224 46	SCK10	(7/9F)
X223 47	+12V		X224 47	SCK10	(7/9F)
X223 48	+12V		X224 48	SCK10	(7/9F)
X223 49	+12V		X224 49	SCK10	(7/9F)
X223 50	+12V		X224 50	SCK10	(7/9F)

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
<b>MOTHERBOARD 1/2 CONNECTOR</b> 			<b>MOTHERBOARD 1/2 CONNECTOR</b> 		
X213 1	MB2+5VREF	(17/2C,17/8B)	X214 1	MB2SC120	(17/116)
X213 2	MB2+5VREF		X214 2	MB2SC110	(17/116)
X213 3	MB2+5.2V		X214 3	MB2SC100	(17/116)
X213 4	MB2+5.2V		X214 4	MB2STD10	(17/116)
X213 5	MB2+5.2V		X214 5	MB2SRD10	(17/116)
X213 6	MB2+5.2V		X214 6	MB2SCK10	(17/116)
X213 7	MB2+5.2V		X214 7	MB2SCK10	(17/116)
X213 8	MB2+5.2V		X214 8	MB2SCK10	(17/116)
X213 9	MB2+12V		X214 9	MB2SC020	(17/116)
X213 10	MB2+12V		X214 10	MB2SC010	(17/116)
X213 11	MB2+12V		X214 11	MB2SC000	(17/116)
X213 12	MB2+12V		X214 12	MB2STD00	(17/116)
X213 13	MB2+12V		X214 13	MB2SRD00	(17/116)
X213 14	MB2+12V		X214 14	MB2SCK00	(17/116)
X213 15	MB2+12V		X214 15	MB2SCK00	(17/116)
X213 16	MB2+12V		X214 16	MB2SCK00	(17/116)
X213 17	MB2+12V		X214 17	MB2SCK00	(17/116)
X213 18	MB2+12V		X214 18	MB2SCK00	(17/116)
X213 19	MB2+12V		X214 19	MB2SCK00	(17/116)
X213 20	MB2+12V		X214 20	MB2SCK00	(17/116)
X213 21	MB2+12V		X214 21	MB2SCK00	(17/116)
X213 22	MB2+12V		X214 22	MB2SCK00	(17/116)
X213 23	MB2+12V		X214 23	MB2SCK00	(17/116)
X213 24	MB2+12V		X214 24	MB2SCK00	(17/116)
X213 25	MB2+12V		X214 25	MB2SCK00	(17/116)
X213 26	MB2+12V		X214 26	MB2SCK00	(17/116)
X213 27	MB2+12V		X214 27	MB2SCK00	(17/116)
X213 28	MB2+12V		X214 28	MB2SCK00	(17/116)
X213 29	MB2+12V		X214 29	MB2SCK00	(17/116)
X213 30	MB2+12V		X214 30	MB2SCK00	(17/116)
X213 31	MB2+12V		X214 31	MB2SCK00	(17/116)
X213 32	MB2+12V		X214 32	MB2SCK00	(17/116)
X213 33	MB2+12V		X214 33	MB2SCK00	(17/116)
X213 34	MB2+12V		X214 34	MB2SCK00	(17/116)
X213 35	MB2+12V		X214 35	MB2SCK00	(17/116)
X213 36	MB2+12V		X214 36	MB2SCK00	(17/116)
X213 37	MB2+12V		X214 37	MB2SCK00	(17/116)
X213 38	MB2+12V		X214 38	MB2SCK00	(17/116)
X213 39	MB2+12V		X214 39	MB2SCK00	(17/116)
X213 40	MB2+12V		X214 40	MB2SCK00	(17/116)
X213 41	MB2+12V		X214 41	MB2SCK00	(17/116)
X213 42	MB2+12V		X214 42	MB2SCK00	(17/116)
X213 43	MB2+12V		X214 43	MB2SCK00	(17/116)
X213 44	MB2+12V		X214 44	MB2SCK00	(17/116)
X213 45	MB2+12V		X214 45	MB2SCK00	(17/116)
X213 46	MB2+12V		X214 46	MB2SCK00	(17/116)
X213 47	MB2+12V		X214 47	MB2SCK00	(17/116)
X213 48	MB2+12V		X214 48	MB2SCK00	(17/116)
X213 49	MB2+12V		X214 49	MB2SCK00	(17/116)
X213 50	MB2+12V		X214 50	MB2SCK00	(17/116)

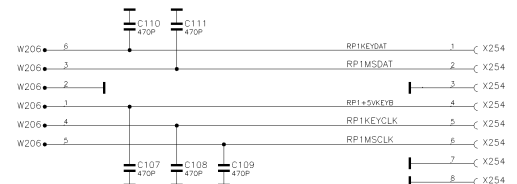
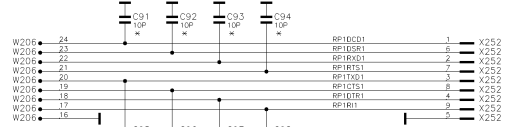
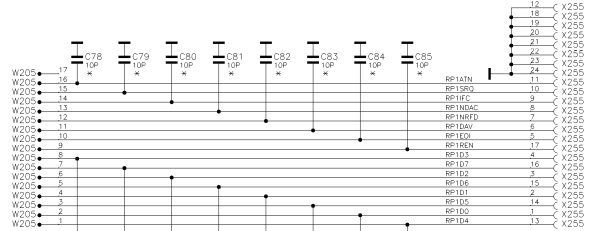
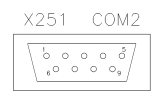
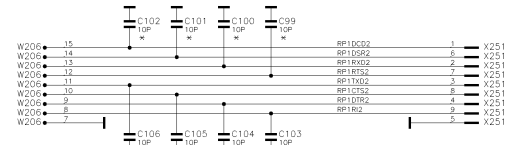
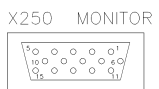
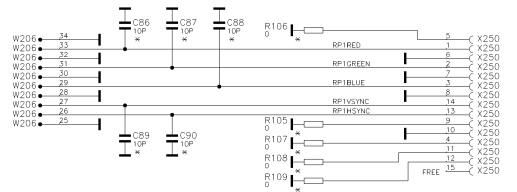
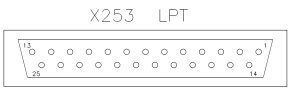
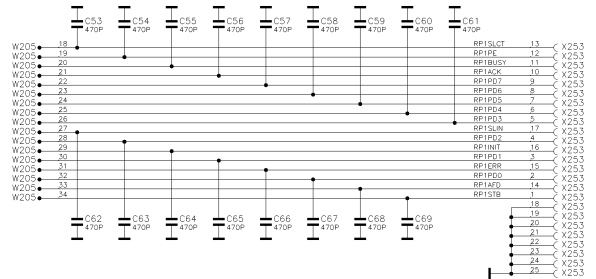
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<b>ROHDE &amp; SCHWARZ</b>		Benennung: <b>MOTHERBOARD</b>		Sprache / Long: <b>DE</b>		Anz. / C.I.: <b>02,01</b>		Blatt / Sh.: <b>16+</b>	
Typ: <b>CMU</b>		Datum: <b>00-02-16</b>		Abteilung: <b>1CMK</b>		Name: <b>KRAETSCH</b>		Zeichn. Nr. / Drawing No.: <b>1100.0908.01 S</b>	
1. Z.: <b>1100.0008.01</b>								Top/Top: <b>16</b>	





# CONNECTOR DEFINITIONS REAR PANEL BOARD 1

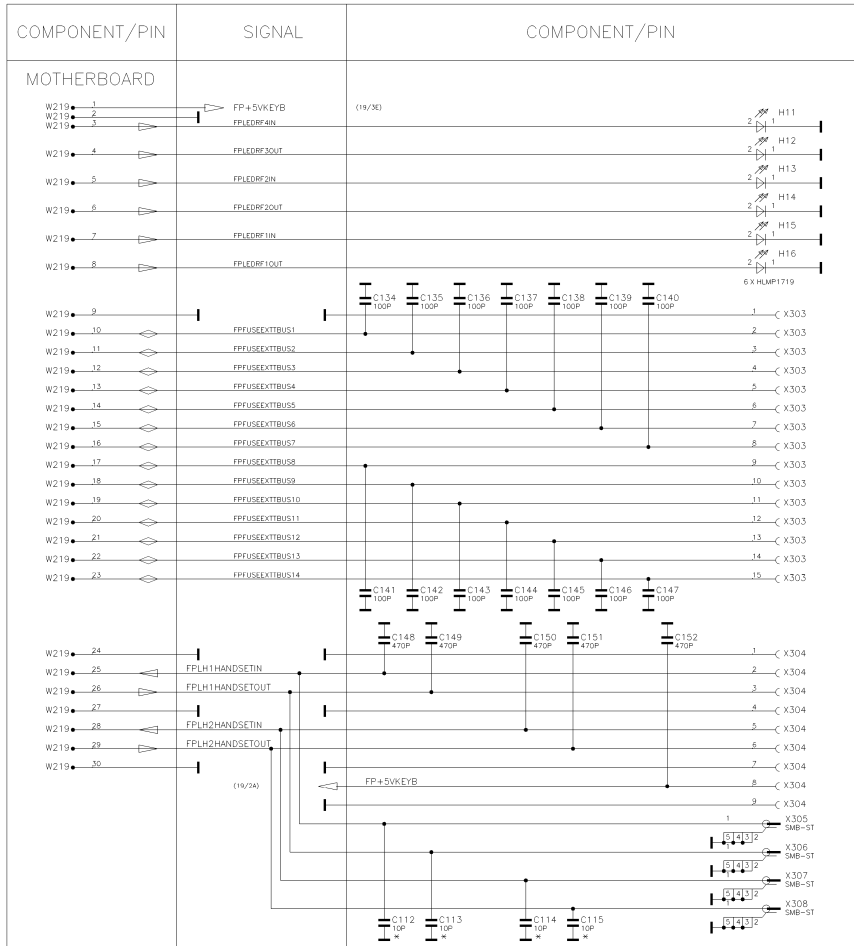


ROHDE & SCHWARZ		Benennung: MOTHERBOARD			Sprache / Long: DE		Anr. / Cl.: 02.01		Blatt / Sh.: 18+	
Typ: CMU		Datum: 00-02-16		Abteilung: 1CMK		Name: KRAETSCH		Zeichn. Nr. / Drawing No.: 1100.0908.01 S		
1. Z.: 1100.0008.01								TOP/ZIP: 16		

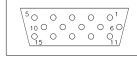
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# CONNECTOR DEFINITIONS FRONT PANEL BOARD

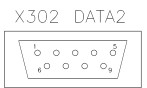
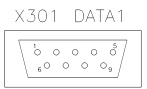
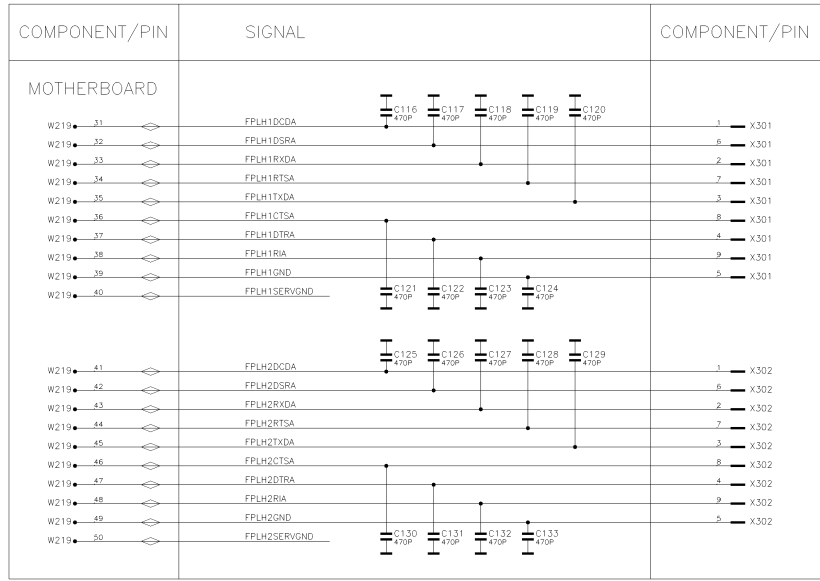
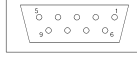
Four-digit pincode has to be used as the Result for this document all rights are reserved



X303 AUX3

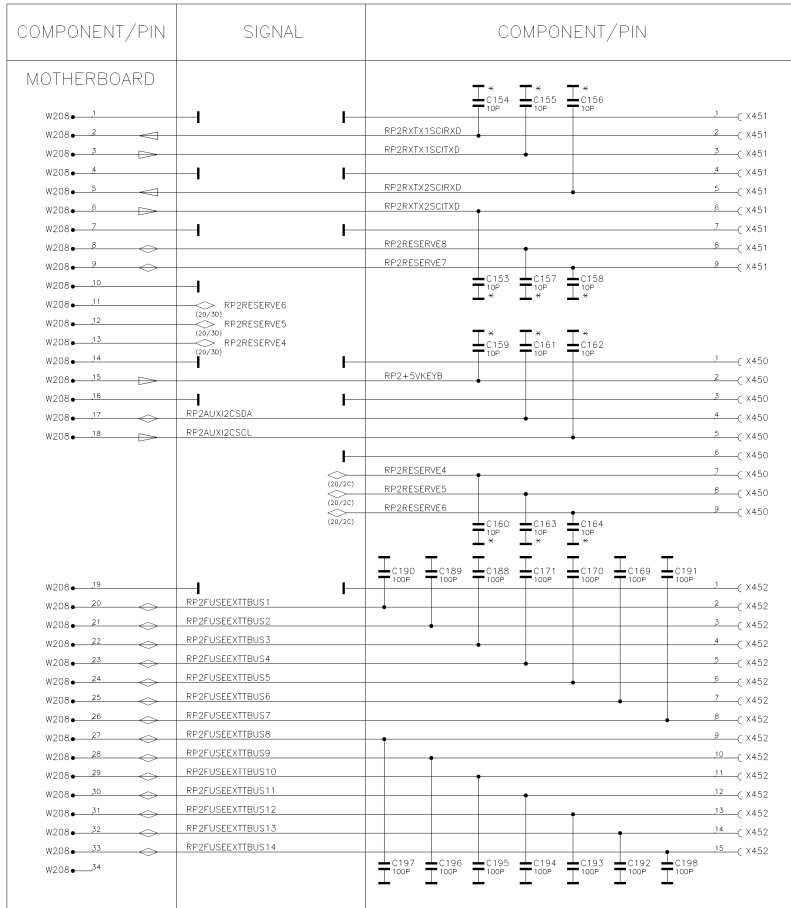


X304 SPEECH

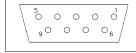


<b>ROHDE&amp;SCHWARZ</b>		Benennung: MOTHERBOARD		Sprache / Lang: DE		Anr. / C.I.: 02.01		Blatt / Sh.: 19+	
Typ: CMU		Datum: 00-02-16		Abteilung: 1CMK		Name: KRAETSCH		Zeichn. Nr. / Drawing No.: 1100.0908.01 S	
1. Z.: 1100.0008.01								TOP/ZIP: 19	

# CONNECTOR DEFINITIONS REAR PANEL BOARD 2



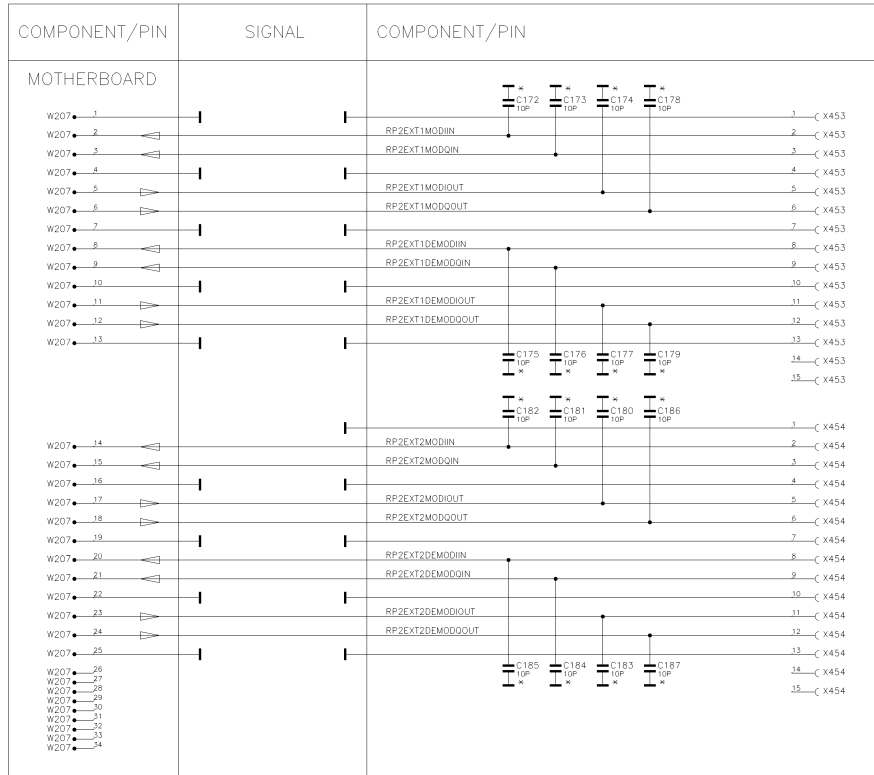
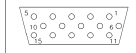
X451 SERVICE



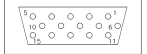
X450 AUX



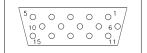
X452 AUX4



X453 I/Q 1



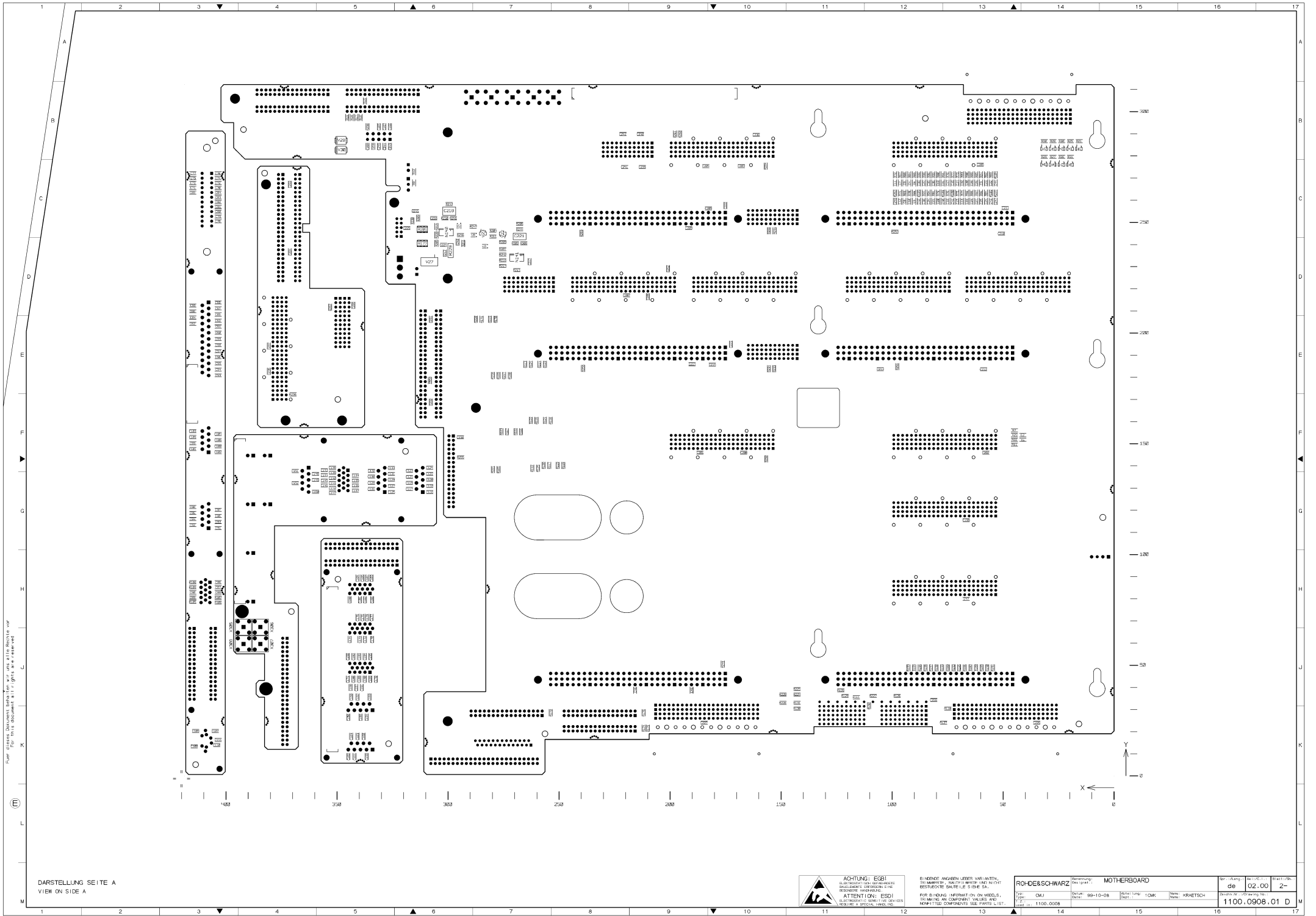
X454 I/Q 2



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<b>ROHDE &amp; SCHWARZ</b>		Benennung: MOTHERBOARD			Sprache / Lang: DE		Anz. / C.I.: 02.01		Blatt / Sh.: 20-	
Typ: CMU		Datum: 00-02-16		Abteilung: 1CMK		Name: KRAETSCH		Zeichn. Nr. / Drawing No.: 1100.0908.01 S		
1.2.1100.0008.01								TOP/LOP: 20		





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DARSTELLUNG SEITE A  
 VIEW ON SIDE A




**ACHTUNG: ESD!**  
 GEBIETEN SIE BEI DER HANDLUNG MIT  
 DIESEM GEBÄUDE, DIESE BAUTEILE UND  
 DIESE WERKZEUGE, DIESE WERKZEUGE  
 BEWUSST NUTZEN.  
**ATTENTION: ESD!**  
 ÉLECTRIFIÉS EN MANUTENANT  
 CE BÂTIMENT, CES PIÈCES ET  
 CES OUTILS. UTILISEZ-LES  
 CONSCIEMENT.


BLINDEN ANZEIGEN LIEFERN VORANTZEN  
 FÜR BLINDEN ANZEIGEN LIEFERN VORANTZEN  
 RESTRICTIONS SAUF DIE SEITE 2A.  
 FOR BLINDING INFORMATION ON MODELS,  
 TO VIEW ALL COMPONENT VALUES AND  
 IDENTIFIED COMPONENTS SEE PARTS LIST.

<b>ROHDE &amp; SCHWARZ</b>		Drawing: <b>MOTHERBOARD</b>		SP-14 Ang.	Rev. 1.0	Blatt 1 von 2
Typ: CMJ	Datum: 99-10-08	Blatt 1 von 2	1.00K	de	02.00	2-
Verf.: 1100.0008	Druck:	Zeichner:	KRAETSCH	Partno. / Drawing No.: 1100.0908.01 D		

el. Kennz. Part	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
.	VARIANTENERKLAERUNG VERSIONS VAR02=GRUNDAUSFUEHRUNG MOD02=BASIC_MODEL				
C1 ..44	CC 68PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.9746.00	MURATA	GRM39COG***F50ZPT	
C45 ..47	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	0009.4844.00	MURATA	GRM39X7R***K50C500	
C48 ..52	CC 100NF+-10%16V HDK 0603 CERAMIC CHIP CAPACITOR	1097.6292.00	MURATA	GRM39 X7R 104K 16 PT	
C53 ..69	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C70 ..106	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	0009.4567.00	MURATA	GRM39COG***B50ZPT	
C107 ..111	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C112 ..115	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	0009.4567.00	MURATA	GRM39COG***B50ZPT	
C116 ..133	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C134 ..147	CC 100PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.4680.00	MURATA	GRM39COG***F50ZPT	
C148 ..152	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C153 ..168	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	0009.4567.00	MURATA	GRM39COG***B50ZPT	
C169 ..171	CC 100PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.4680.00	MURATA	GRM39COG***F50ZPT	
C172 ..187	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	0009.4567.00	MURATA	GRM39COG***B50ZPT	
C188 ..198	CC 100PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.4680.00	MURATA	GRM39COG***F50ZPT	
C199 ..216	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	0009.4844.00	MURATA	GRM39X7R***K50C500	
C217	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	0009.4844.00	MURATA	GRM39X7R***K50C500	
C218	CC 470NF+-10%50V X7R 1812 CERAMIC CHIP CAPACITOR	0007.7498.00	AVX	1812 5C 474KA T00F	
C219 ..220	CE 10UF+-20%16V RUND SMD SMD ELECTROLYTIC CAPACIT.	0010.7914.00	PANASONIC	EEV-HB1C100R	
C221	CC 150NF+-10%50V X7R 1210 CERAMIC CHIP CAPACITOR NICHT BESTUECKT	0007.7446.00	PHILIPS_CO	2222 592 16643	
C222 ..223	CC 100NF+-10%16V HDK 0603 CERAMIC CHIP CAPACITOR NICHT BESTUECKT	1097.6292.00	MURATA	GRM39 X7R 104K 16 PT	
C224	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C225	CE 100UF+-20%16V RUND SMD SMD-ELECTROLYTIC CAPACIT.	0009.6553.00	SANYO	16CV100F(G)S	
C226 ..227	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	0009.4844.00	MURATA	GRM39X7R***K50C500	
C228 ..242	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	0009.4844.00	MURATA	GRM39X7R***K50C500	
C243	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR	0009.4567.00	MURATA	GRM39COG***B50ZPT	
C244 ..246	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	0009.4567.00	MURATA	GRM39COG***B50ZPT	
C247 ..248	CC 68PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.9746.00	MURATA	GRM39COG***F50ZPT	
D4 ..8	BL PC74HCT245T 8XTRANSC OCTAL BUS TRANSCEIVER	0007.5414.00	PHILIPS_SE	(PC)74HCT245(D/T)	
F1 ..2	RK 0,2A FUSE PTC 0,8W SMD RESETTABLE FUSE	2080.6990.00	BOURNS	MF-MSMD020	
F3	RK 1,5A FUSE PTC 1,9W SMD RESETTABLE FUSE	1081.0290.00	BOURNS	MF-SM-150-2	
F4 ..17	RK 0,2A FUSE PTC 0,8W SMD RESETTABLE FUSE	2080.6990.00	BOURNS	MF-MSMD020	
H1 ..9	AF LGS269BO GRUEN LED LED	0009.8362.00	SIEMENS	LG S269-BO (Q1570)	
H11 ..16	AF HLMP1719 LED3 GE585N LED	0099.9140.00	QUALITY	HLMP-1719.L31S	
N140	BO LM2904D 2X OPAMP IC OPAMP	6024.4010.00	PHILIPS_SE	LM2904D	
N141	BO LM2904D 2X OPAMP IC OPAMP	6024.4010.00	PHILIPS_SE	LM2904D	


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el. Kennz. Part	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
	NICHT BESTUECKT				
R1 ..7	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R8	RG 33K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7066.00	PHILIPS_CO	RC 22 H	
R9 ..11	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R12	RG 75K +-1% TK100 0603 SMD RESISTOR EIA0603	2074.8937.00	DRALORIC	CR 0603	
	NICHT BESTUECKT				
R13 ..14	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R15 ..19	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R20	RG 2K74 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8410.00	PHILIPS_CO	RC 22 H	
R21	RG 13K +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6428.00	PHILIPS_CO	RC 22 H	
R22 ..24	RG 61R9 +-1%TK100 0603 SMD RESISTOR EIA0603	0048.4841.00	PHILIPS_CO	RC 22 H	
R25	RG 1K82 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8404.00	PHILIPS_CO	RC 22 H	
R26	RG 2K0 +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6328.00	PHILIPS_CO	RC 22 H	
R27 ..30	RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7020.00	PHILIPS_CO	RC 22 H	
R31	RG 680R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6982.00	PHILIPS_CO	RC 22 H	
R32 ..63	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R64 ..104	RG 61R9 +-1%TK100 0603 SMD RESISTOR EIA0603	0048.4841.00	PHILIPS_CO	RC 22 H	
R105 ..109	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
	NICHT BESTUECKT				
R110 ..111	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R112 ..118	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
	NICHT BESTUECKT				
R119 ..132	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R133 ..164	RG 68R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6930.00	PHILIPS_CO	RC 22 H	
R165 ..171	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
	NICHT BESTUECKT				
R172	RG 68R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6930.00	PHILIPS_CO	RC 22 H	
R173 ..176	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
	NICHT BESTUECKT				
R177	RG 0R75 1% 1W 1218 SMD RESISTOR	1100.3671.00	PHILIPS_CO	PRC201-0R75 1% TK250	
R178 ..184	RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5340.00	PHILIPS_CO	RC 22 H	
R185 ..200	RG 27,4 OHM+-1%TK100 0603 SMD RESISTOR EIA0603	0009.9046.00	PHILIPS_CO	RC 22 H	
R201	RG 0R1 1% 1W 1218 SMD-RESISTOR	6100.7785.00	PHILIPS_CO	PRC201-0R1 1% TK700	
R202	RG 200K +-1% TK100 0603 SMD RESISTOR EIA0603	1093.6200.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R203	RG 200K +-1% TK100 0603 SMD RESISTOR EIA0603	1093.6200.00	PHILIPS_CO	RC 22 H	
R204	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R205	RG 1K37 +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6111.00	PHILIPS_CO	RC 22 H	
R206	RG 5K62 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8433.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R207	RG 13K +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6428.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R208	RG 150K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7095.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R209	RG 2K2 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7008.00	PHILIPS_CO	RC 22 H	
R210 ..211	RG 22K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7050.00	PHILIPS_CO	RC 22 H	
R212	RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5340.00	PHILIPS_CO	RC 22 H	
R213 ..214	RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5340.00	PHILIPS_CO	RC 22 H	


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el. Kennz. Part	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R215	NICHT BESTUECKT RG 4K32 +-1% TK100 0603 SMD-RESISTOR EIA0603	0048.6438.00	DRALORIC	CR 0603	
R216	RG 4K32 +-1% TK100 0603 SMD-RESISTOR EIA0603 NICHT BESTUECKT	0048.6438.00	DRALORIC	CR 0603	
R217 ..228	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R229	RG 1K0 +-1% TK100 1206 CHIP RESISTOR	0006.7271.00	ROEDERSTEI	D25	
R230	RG 100K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5363.00	PHILIPS_CO	RC 22 H	
R231 ..232	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R233	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603 NICHT BESTUECKT	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R234	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R235 ..236	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R237	RG 61R9 +-1%TK100 0603 SMD RESISTOR EIA0603	0048.4841.00	PHILIPS_CO	RC 22 H	
R238	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603 NICHT BESTUECKT	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R239	RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603	0010.9100.00	PHILIPS_CO	RC 22 H	
R240 ..241	RG 15K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7043.00	PHILIPS_CO	RC 22 H	
R242	RG 82K5 +-1% TK100 0603 SMD RESISTOR EIA0603 NICHT BESTUECKT	0010.9123.00	PHILIPS_CO	RC 22 H	
R243	RG 12K1 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8462.00	PHILIPS_CO	RC 22 H	
R244	RG 12K1 +-1% TK100 0603 SMD RESISTOR EIA0603 NICHT BESTUECKT	0010.8462.00	PHILIPS_CO	RC 22 H	
R245	RG 392K+-1% TK100 0603 RESISTOR	1097.6528.00	PHILIPS_CO	RC 22 H	
R246 ..247	RG 220K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7108.00	PHILIPS_CO	RC 22 H	
R248	RG 1K91 +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6128.00	PHILIPS_CO	RC 22 H	
R249 ..257	RG 100R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5334.00	PHILIPS_CO	RC 22 H	
R258 ..261	RG 220R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6953.00	PHILIPS_CO	RC 22 H	
R262	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603 NICHT BESTUECKT	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R263	RG 61R9 +-1%TK100 0603 SMD RESISTOR EIA0603	0048.4841.00	PHILIPS_CO	RC 22 H	
V1 ..7	AG PBYR245CT 2X45V 1A0 SCHOTTKY RECTIFIER DIODE	0009.5311.00	PHILIPS	PBYR245CT	
V8 ..21	AG SS24 SGL 40V 2AO SCHOTTKY RECTIFIER	1081.1880.00	GEN_INSTRU	SS24	
V22	AK BC860B P 45V 150MA TRANSISTOR	0007.7975.00	MOTOROLA	BC860B	
V23	AK BC850B N 45V 100MA TRANSISTOR	0007.7969.00	VALVO	BC850B	
V24	AD BAS216 75V UDI HIGH SPEED SWITCHING DIODE	0010.9346.00	PHILIPS_SE	BAS216	
V25	AD BAS216 75V UDI HIGH SPEED SWITCHING DIODE NICHT BESTUECKT	0010.9346.00	PHILIPS_SE	BAS216	
V26	AD BAS216 75V UDI HIGH SPEED SWITCHING DIODE	0010.9346.00	PHILIPS_SE	BAS216	
V27	AK BCP68-16 N 20V 1A MEDIUM POWER TRANSISTOR	0008.2019.00	PHILIPS	BCP68-25	
V28	AG PBYR245CT 2X45V 1A0 SCHOTTKY RECTIFIER DIODE	0009.5311.00	PHILIPS	PBYR245CT	
V29 ..30	AG SS24 SGL 40V 2AO SCHOTTKY RECTIFIER	1081.1880.00	GEN_INSTRU	SS24	
W205	DY KABEL W205 CABLE W205	1100.1085.00			
W206	DY KABEL W206 CABLE W206	1100.1091.00			
W207	DY KABEL W207 CABLE W207	1100.1056.00			
W208	DY KABEL W208 CABLE W208	1100.1062.00			
W219	DY KABEL W219 CABLE W219	1100.1079.00			
X10	FP BUCHSENLEISTE 96P.WINK	6056.1746.00	BERG_ELEKT	89037-101	

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el. Kennz. Part	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
X11	CONNECTOR FP BU.LEISTE COMP.BUS110P	1093.6546.00	ERNI	064176	
X12	CONNECTOR FP BUCHSENLEISTE 96P.WINK	6056.1746.00	BERG_ELEKT	89037-101	
X21	CONNECTOR FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
..22	FEMALE MULTIPOINT CONNECT				
X31	CONNECTOR FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
X41	CONNECTOR FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
X51	CONNECTOR FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
..52	CONNECTOR				
X61	CONNECTOR FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
X62	FEMALE MULTIPOINT CONNECT FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
X63	CONNECTOR FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
X71	FEMALE MULTIPOINT CONNECT FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
X72	CONNECTOR FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
..75	CONNECTOR				
X81	CONNECTOR FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
X82	FEMALE MULTIPOINT CONNECT FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
X83	CONNECTOR FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
X91	FEMALE MULTIPOINT CONNECT FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
X92	CONNECTOR FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
..93	CONNECTOR				
X101	CONNECTOR FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
X110	CONNECTOR FP BUCHSENLEISTE 96P.WINK	6056.1746.00	BERG_ELEKT	89037-101	
X111	CONNECTOR FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
X200	CONNECTOR FP STECKERLEISTE 10P.GER	0846.4593.00	SIEMENS	V23535-A2200-A102	
X201	CONNECTOR 10P				
..204	FJ EINBAUSTECKER F.GS SMB	0063.5168.00	ROSENBERGE	59S106-400-D3	
X205	PLUG				
..208	FP STIFTLEISTE 34P.COD.	1100.3788.00	SAMTEC	STMM-117-01-G-D	
X209	CONNECTOR FP STIFTLEISTE 2P.R2,54	0010.7014.00			
X210	PIN CONNECTOR FP STIFTLEISTE 3P.R2,54	0009.6101.00			
X211	PIN CONNECTOR FP STECKERLEISTE 3P.GER	6014.4324.00	J_S_T_DEUT	B3P-VH	
X212	CONNECTOR FP BUCHSENLEISTE 10P.WINK	1091.2366.00	MPE	BL22-47AGG-10 BZ0457	
X213	CONNECTOR FP STECKERLEISTE 50P.WIN	1051.4545.00	BERG_ELEKT	86453-550	
X214	CONNECTOR 50P. FP STIFTLEISTE 50P.COD.	1100.3794.00	SAMTEC	STMM-125-01-G-D	
X215	CONNECTOR FP STIFTLEISTE 34P.COD.	1100.3788.00	SAMTEC	STMM-117-01-G-D	
..217	CONNECTOR				
X218	CONNECTOR FP BUCHSENLEISTE 26P.ZIF	1091.2137.00	MOLEX	MLX52030-2610	
X219	CONNECTOR FP STIFTLEISTE 50P.COD.	1100.3794.00	SAMTEC	STMM-125-01-G-D	
X220	CONNECTOR FP STIFTLEISTE 2P.R2,54	0009.5992.00			
X221	PIN CONNECTOR FJ EINBAUSTECKER F.GS SMB	0063.5168.00	ROSENBERGE	59S106-400-D3	
X222	PLUG FP STIFTLEISTE 34P.COD.	1100.3788.00	SAMTEC	STMM-117-01-G-D	
X223	CONNECTOR FP STIFTLEISTE 50P.COD.	1100.3794.00	SAMTEC	STMM-125-01-G-D	
..224	CONNECTOR				
X225	CONNECTOR FP STIFTLEISTE 4P.R2,54	0009.8462.00			
X250	PIN CONNECTOR NICHT BESTUECKT	1091.2189.00	FCT	CT09-15S1	
X251	CONNECTOR FM BUCHSENLEISTE 15P. HD				
..252	CONNECTOR FM STECKERLEISTE 9P.WRAP	0614.3777.00	FCT	F09P4G1	
X253	CONNECTOR FM BUCHSENLEISTE 25P.WRAP	0680.2375.00	FCT	F25S4G1	
X254	CONNECTOR 25P. FO EINBAUBUCHSE 6P.F.GS	1100.3871.00	YAMAICHI	MDIN06K	
X255	CONNECTOR FM BUCHSENLEISTE 24P.F.GS	1091.2237.00	AMP	554501-2	
X301	CONNECTOR FM STECKERLEISTE 9P.WRAP	0614.3777.00	FCT	F09P4G1	
..302	CONNECTOR				
X303	CONNECTOR FM BUCHSENLEISTE 15P. HD	1091.2189.00	FCT	CT09-15S1	

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