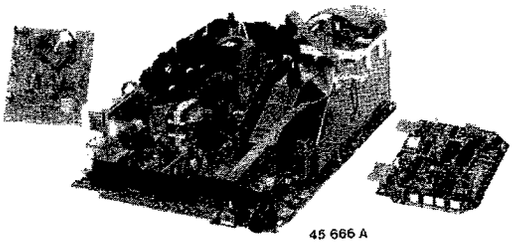
AA

Service
Service
Service



ServiceManual

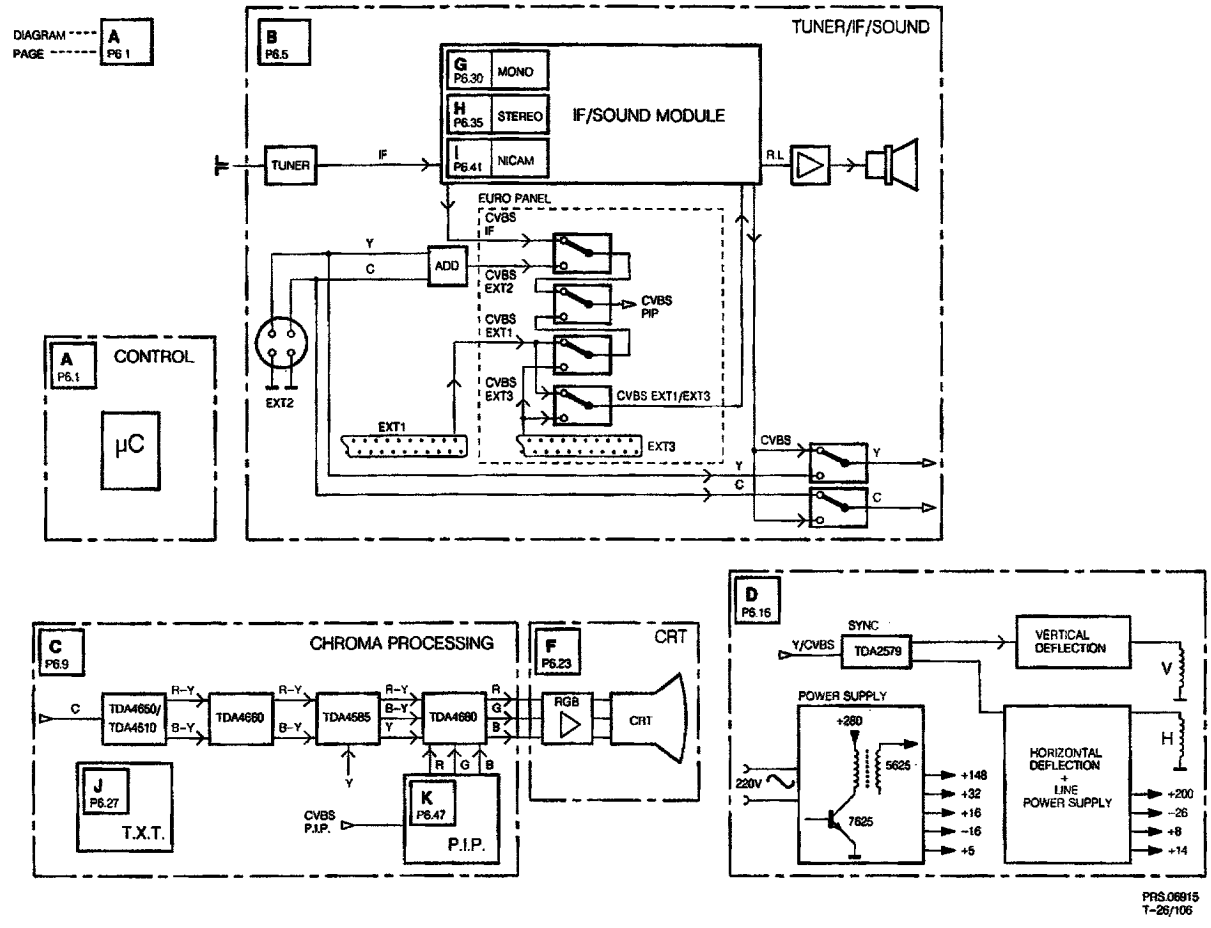
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GB 4822 727 18334

Block diagram



Technical data

Mains voltage	: 220 - 240 V (±10%)
Mains frequency	: 50 Hz (± 10%)
Aerial input impedance	: 75Ω - coax
Minimum aerial voltage	: 40µV
Maximum aerial voltage	: 32mV
Pull-in range colour synchronization	: ±300Hz
Pull-in range horizontal synchronization	: ±300Hz

Local operation functions:

P +; P -; ◿+; ◿−; install

Programmes: 0-59
VCR operation on programmes: 0-59

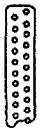
Indications:

- On Screen Display (OSD)
- LED: – standby (red)
  – operation (green)
  – RC5 reception (flashing yellow)
  – internal fault in µP (flashing)

Connection facilities

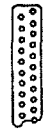
1. Specification of the terminal sockets

EXT1



1 – Audio ⊖→ R (0.5 V_{RMS}; ⩽ 1 kΩ)
2 – Audio →⊖ R (0.2-2 V_{RMS}; 0.5 V_{nom}.; ⩾ 10 kΩ)
3 – Audio ⊖→ L (0.5 V_{RMS}; ⩽ 1 kΩ)
4 – Audio ⊥
5 – Blue ⊥
6 – Audio →⊖ L (0.2-2 V_{RMS}; 0.5 V_{nom}.; ⩾ 10 kΩ)
7 – Blue →⊖ (0.7 V_{pp}; 75 Ω)
8 – RC5 ⊖→ (500-800 mV_{pp}) + CVBS status 1 →⊖ (0-2 V: int.; 9.5-12 V: ext.)
9 – Green ⊥
10 – –
11 – Green →⊖ (0.7 V_{pp}; 75 Ω)
12 – –
13 – Red ⊥
14 – –
15 – Red →⊖ (0.7 V_{pp}; 75 Ω)
16 – RGB status →⊖ (0-0.4 V: int.; 1-3 V: ext.; 75 Ω)
17 – CVBS ⊖→ ⊥
18 – CVBS →⊖ ⊥
19 – CVBS ⊖→ (1 V_{pp}; 75 Ω)
20 – CVBS →⊖ (1 V_{pp}; 75 Ω)
21 – Earth screen

EXT3



1 – Audio ⊖→ R (0.5 V_{RMS}; ⩽ 1 kΩ)
2 – Audio →⊖ R (0.2-2 V_{RMS}; 0.5 V_{nom}.; ⩾ 10 kΩ)
3 – Audio ⊖→ L (0.5 V_{RMS}; ⩽ 1 kΩ)
4 – Audio ⊥
5 – –
6 – Audio →⊖ L (0.2-2 V_{RMS}; 0.5 V_{nom}.; ⩾ 10 kΩ)
7 – –
8 – CVBS status 3 →⊖ (0-2 V: int.; 9.5-12 V: ext.)
9 – –
10 – –
11 – –
12 – –
13 – –
14 – –
15 – –
16 – –
17 – CVBS ⊖→ ⊥
18 – CVBS →⊖ ⊥
19 – CVBS ⊖→ (1 V_{pp}; 75 Ω)
20 – CVBS →⊖ (1 V_{pp}; 75 Ω)
21 – Earth screen

EXT2



1 – ⊥
2 – ⊥
3 – Y →⊖ (1 V_{pp}; 75 Ω)
4 – C →⊖ (1 V_{pp}; 75 Ω)

2x ◎ CINCH Audio →⊖ L + R (0.2-2 V_{RMS}; 0.5 V_{nom}.; ⩾ 10 kΩ)

Audio out

2x ◎ CINCH Audio ⊖→ L + R (0.5 V_{RMS}; ⩽ 1 kΩ)

Front

◎ 6.3mm / 3,5 mm
⩾ 8 Ω

2. Connecting equipment

Depending on the type of TV set, a variety of equipment can be connected. The exact number of pieces of equipment depends on the number of connectors on the back of the TV set (EXT1, 2 or 3). The wiring diagram in Fig. 2.1 shows which kinds of equipment can be connected. The wiring diagram shows the TV set with the maximum number of connectors possible for the GR2.1 chassis.

An RGB source (e.g. laserdisc player) can only be connected to EXT1. In order to switch the TV set to RGB operation, this RGB source must generate both a CVBS status signal at pin 8 and an RGB status signal at pin 16 of the euroconnector. It is not possible to switch the equipment to EXT1 in RGB operation using the remote control.

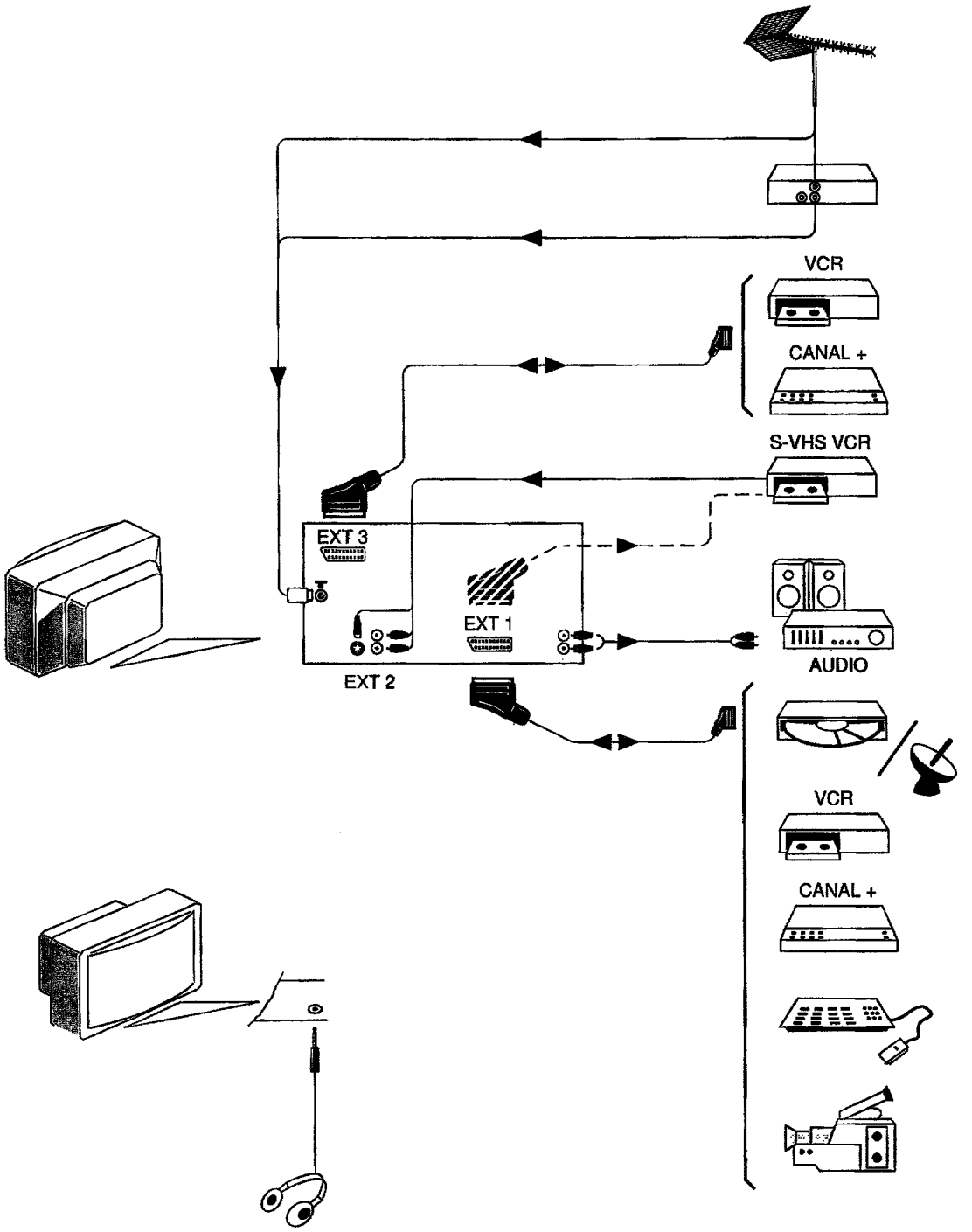


Fig. 2.1

Warnings

1. Safety regulations require that the unit should be returned in its original condition and that components identical to the original components are used. The safety components are indicated by the symbol ⚠.

2. In order to prevent damage to ICs and transistors, all high-voltage flashovers must be avoided. In order to prevent damage to the picture tube, it should be discharged using the method shown in Fig.3.1. Use a high-voltage probe and a multimeter (position DC-V). Discharge until the meter reading is OV (after approx. 30s).

3. **ESD**

   All ICs and many other semiconductors are sensitive to electrostatic discharges (ESD). Careless handling during repair can drastically shorten their life. Make sure that during repair you are connected by a pulse band with resistance to the same potential as the earth of the unit. Keep components and tools also at this same potential.

4. When repairing a unit, always connect it to the mains voltage via an isolating transformer.

5. Be careful when taking measurements in the high-voltage section and on the picture tube.

6. Never replace modules or other components while the unit is switched on.

7. It is recommended that safety goggles are worn when replacing the picture tube.

8. When making settings, use plastic rather than metal tools.
   This will prevent any short circuits and the danger of a circuit becoming unstable.

9. After repair the wiring should be fastened once more in the cable clamps for this purpose.

10. In order to prevent measuring errors, the heat sinks should not be used as reference points for measurements.
    The heat sink for the sound output amplifier (next to the channel selector) is connected to the -16 or -12 volts.

11. Together with the deflection unit and any multipole unit, the flat square picture tubes used form an integrated unit. The deflection and the multipole units are set optimally at the factory. Adjustment of this unit during repair is therefore not recommended.

12. The high-voltage cable in 21" units is glued in the line output transformer. This can therefore not be replaced.

Notes

1. The direct voltages and oscillograms should be measured with regard to the tuner earth (⊥), or hot earth (⊥ ϟ) as this is called.

2. The direct voltages and oscillograms given in the diagrams should be measured in the service default mode (see section 9). A colour bar signal, modulated on a picture carrier wave of 475.25 MHz, should be used as the video signal. A 1 kHz signal should be used for the sound (for all systems).

3. Where necessary, the oscillograms and direct voltages are measured with (⌐|⌐) and without aerial signal (⨯). Voltages in the power supply section are measured both for normal operation (Ⓘ) and in standby (⏻). These values are indicated by means of the appropriate symbols.

4. The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.

5. The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

6. The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.

7. In the case of fault finding and/or repair to the teletext module, the accessibility of the circuit and the components can be increased by using extension cards.
   The order numbers of these extension cards are:
   * 6 times: 4822 395 30259
   * 8 times: 4822 214 31402

8. Both multisystem and single system units are discussed in this documentation.
   The term multisystem unit is used to refer to a unit that is suitable for the reception of PAL BGI and SECAM BGLL' systems.
   The term single system unit is used to refer to all other units (such as PAL BG, PAL/SECAM BG and PAL I units).

9. Blackline units can be recognized by the thick, protected high-voltage cable. Non-blackline units have a thin, unprotected high-voltage cable.

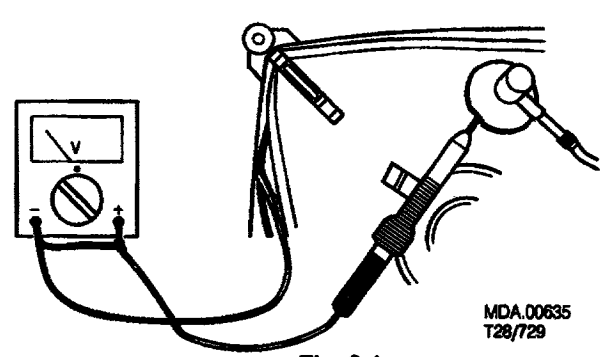


Fig. 3.1

Mechanical instructions

1. Removing the back plate

It is only possible to remove the back plate after removing the screws on the top, side, possibly on the underneath **and possibly under the EXT 3 connection** (see Fig. 4.1). In the case of subwoofer units, the subwoofer speaker on the carrier panel should also be unplugged.

2. Service position 1

Service position for module service and to measure test points

Unlock the chassis after the cables of the degaussing coil and any PIP module have been disconnected, and pull it backwards until all test points are accessible (see Fig. 4.2).
In order to make the tuner and the IF/sound module accessible, the bracket above these modules can be removed (see Fig. 4.3). With the exception of one fault message, the unit continues to function normally when the PIP module is not connected.

3. Service position 2

Service position for repair

Place the chassis on the heat sink on the tuner side after service position 1 is reached (see Fig. 4.4).
Warning: make sure that the heat sink of the sound output amplifier does not form a short circuit with the raster/line heat sink if the bracket of the euromodule has been removed!

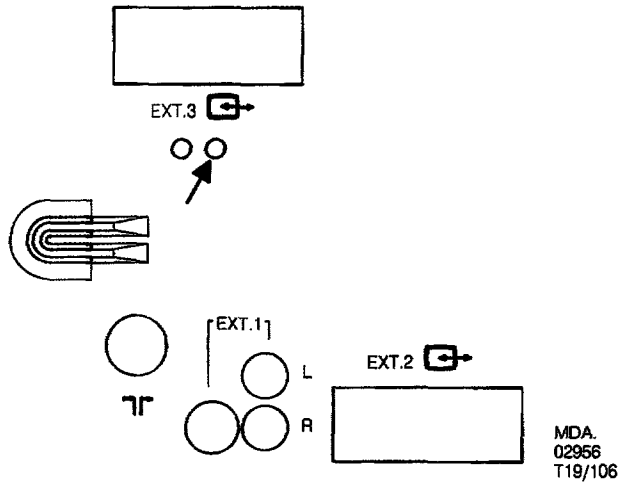


Fig. 4.1

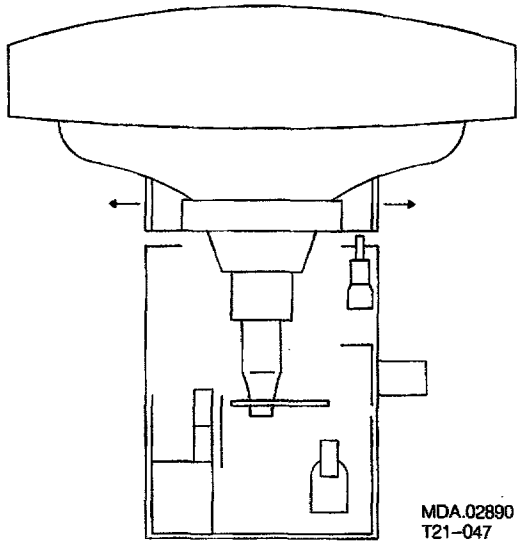


Fig. 4.2

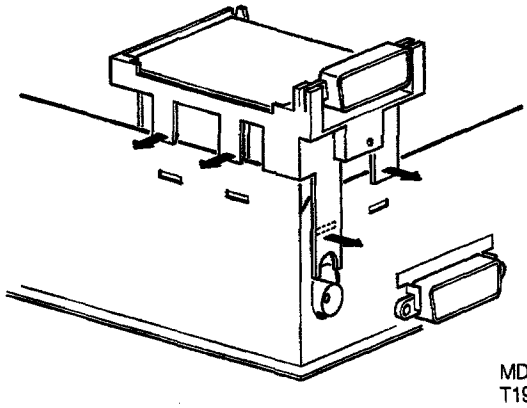


Fig. 4.3

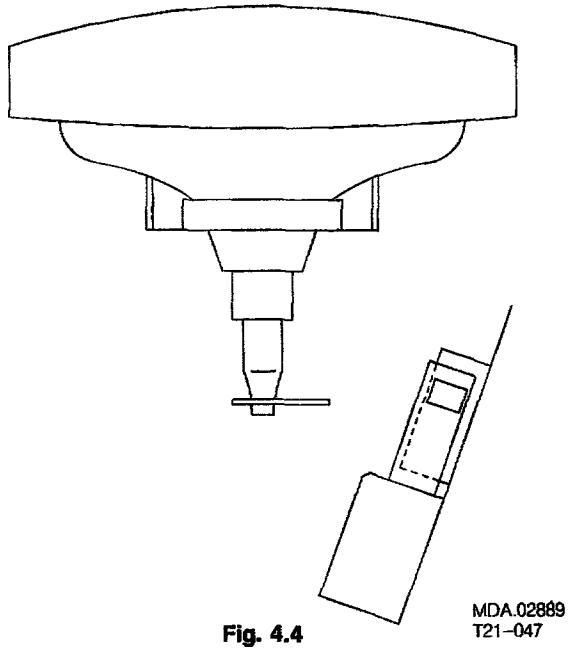
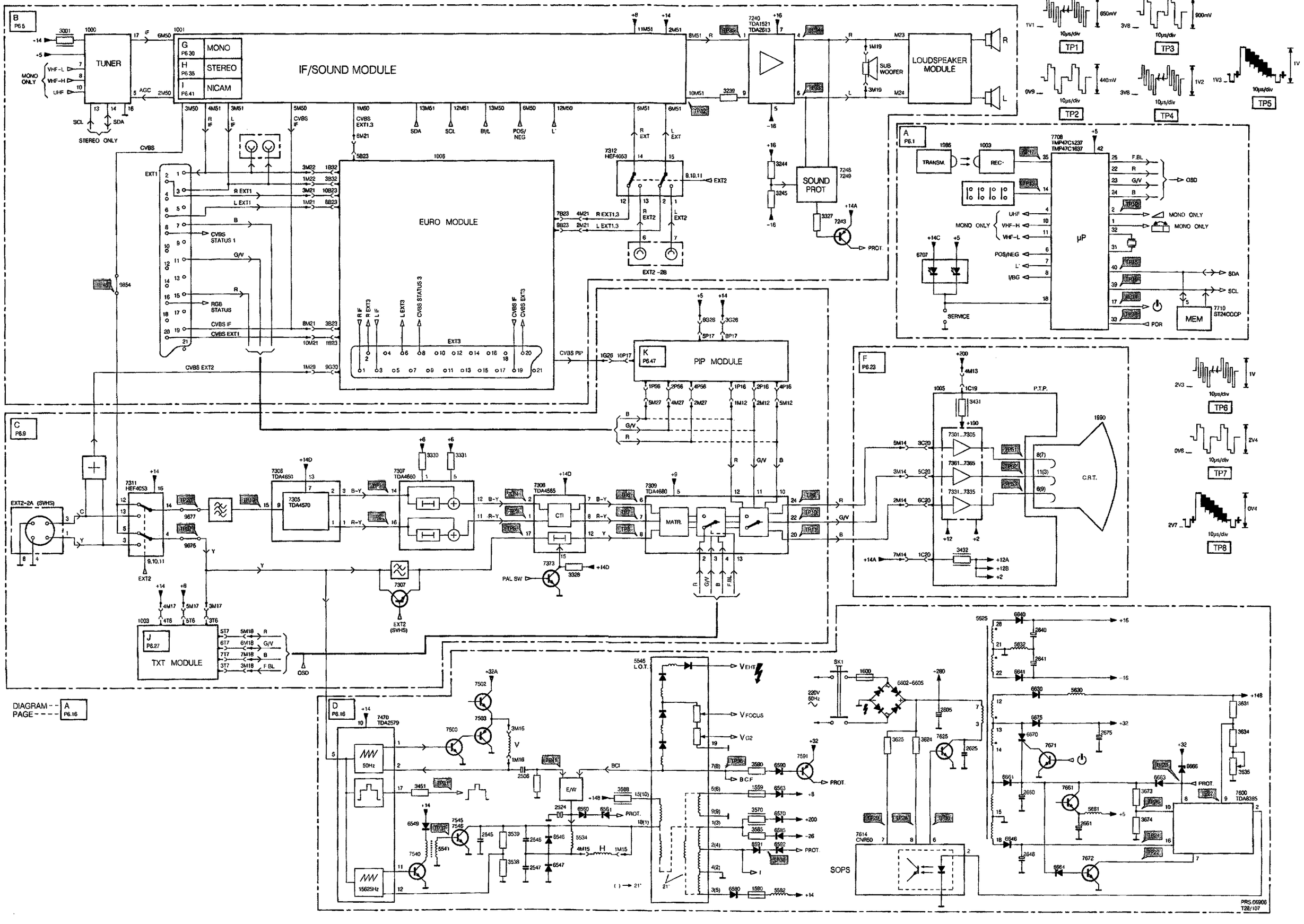
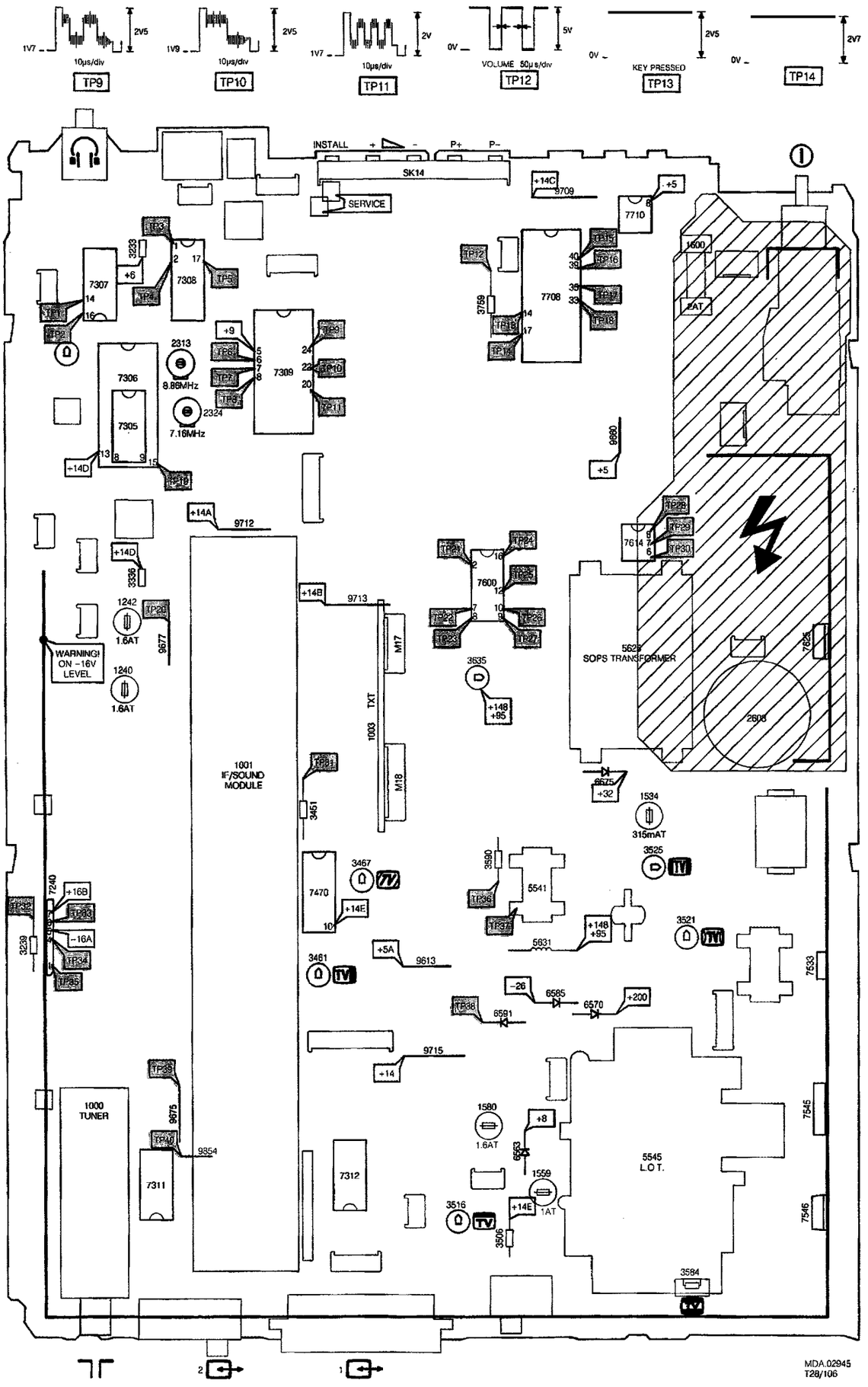


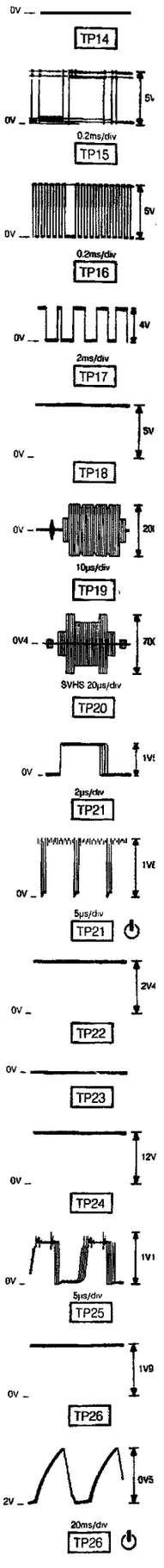
Fig. 4.4

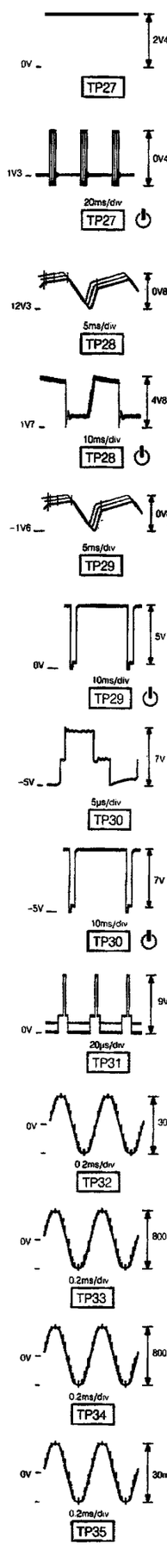
Blockdiagram / Blockschaltbild / Schéma-bloc

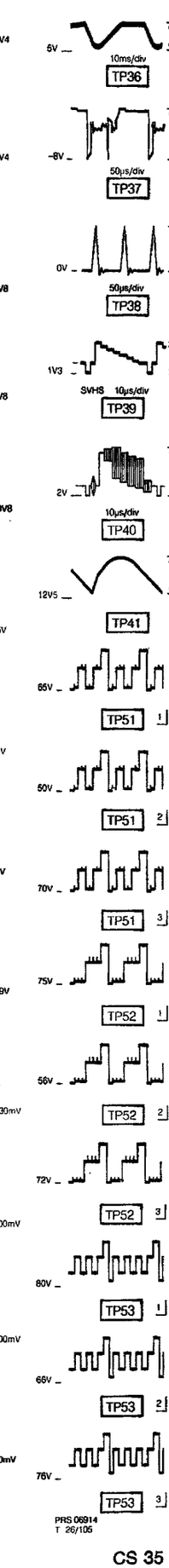
CHASSIS GR2.1 | 5.1 | 5.2 | CHASSIS GR2.1




TP9
TP10
TP11
TP12
VOLUME 50µs/div
TP13
KEY PRESSED
TP14
INSTALL
SK14
SERVICE
1000 TUNER
1001 IF/SOUND MODULE
5545 LOT.
5629 SOPS TRANSFORMER
WARNING! ON -16V LEVEL
8.86MHz
7.16MHz
MDA.02945
T28/106


TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP26

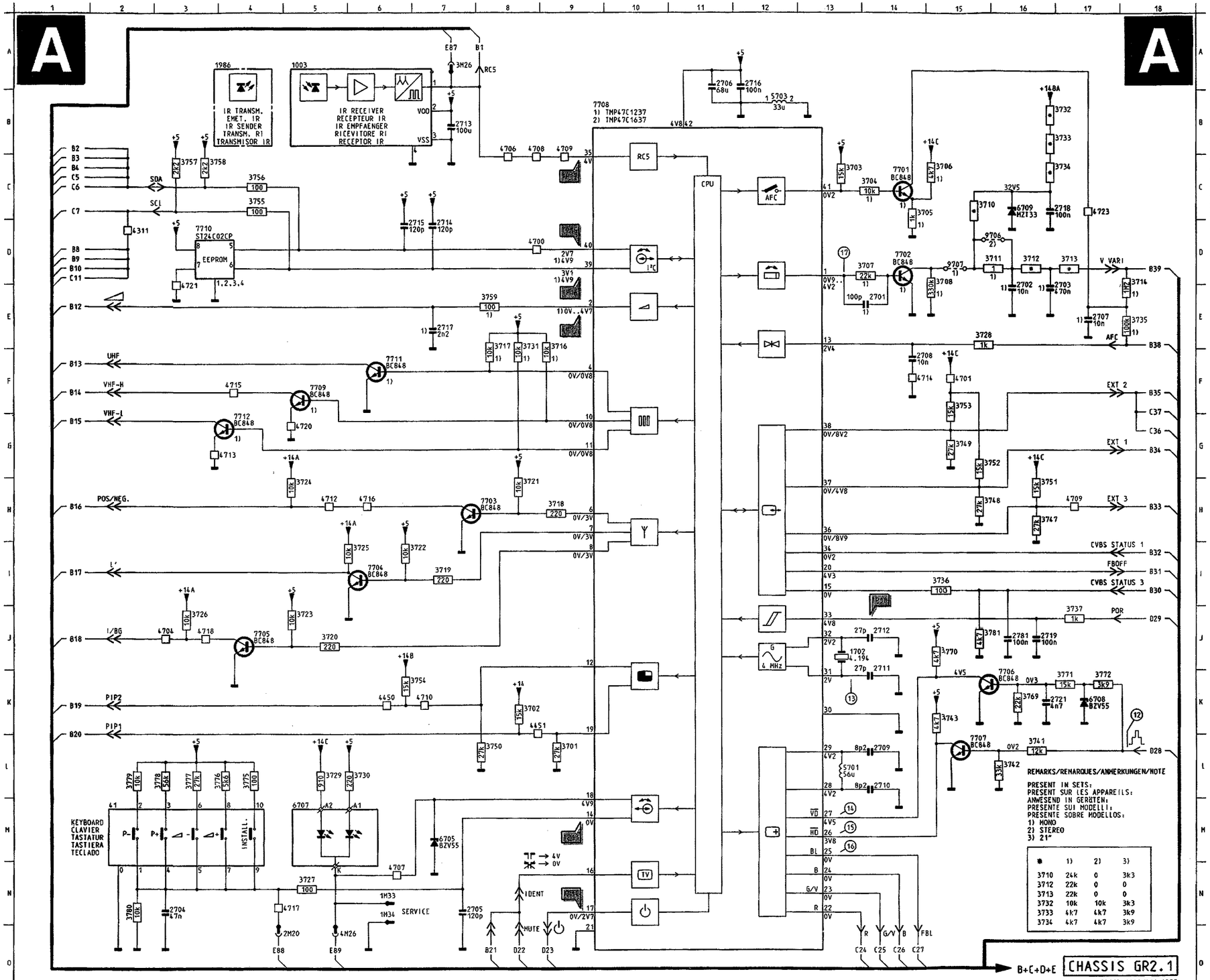

TP27
TP28
TP29
TP30
TP31
TP32
TP33
TP34
TP35

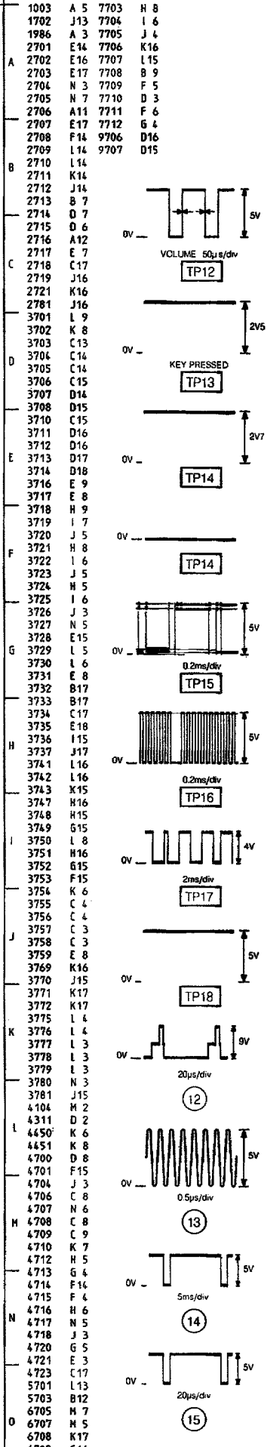

TP36
TP37
TP38
TP39
TP40
TP41
TP51
TP52
TP53
PRS 06914
T 26/105

Loudspeaker module
Lautsprecher-Platte
Module haut parleur



PCB.03166
T28/104

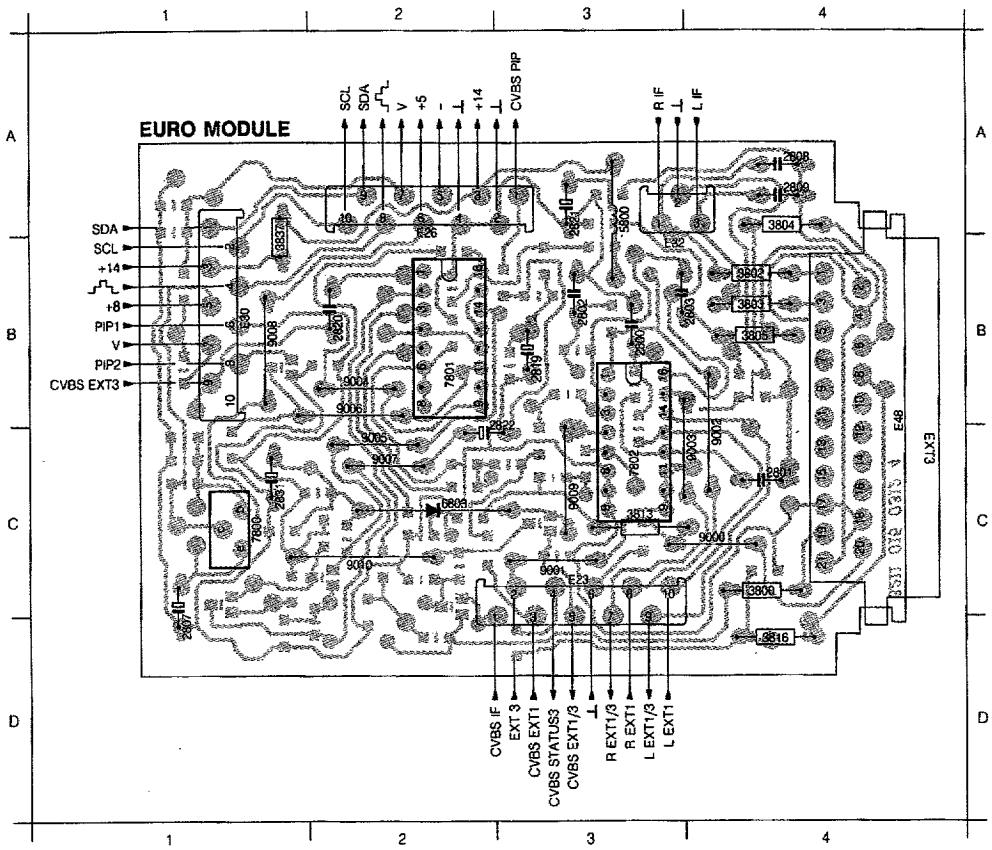


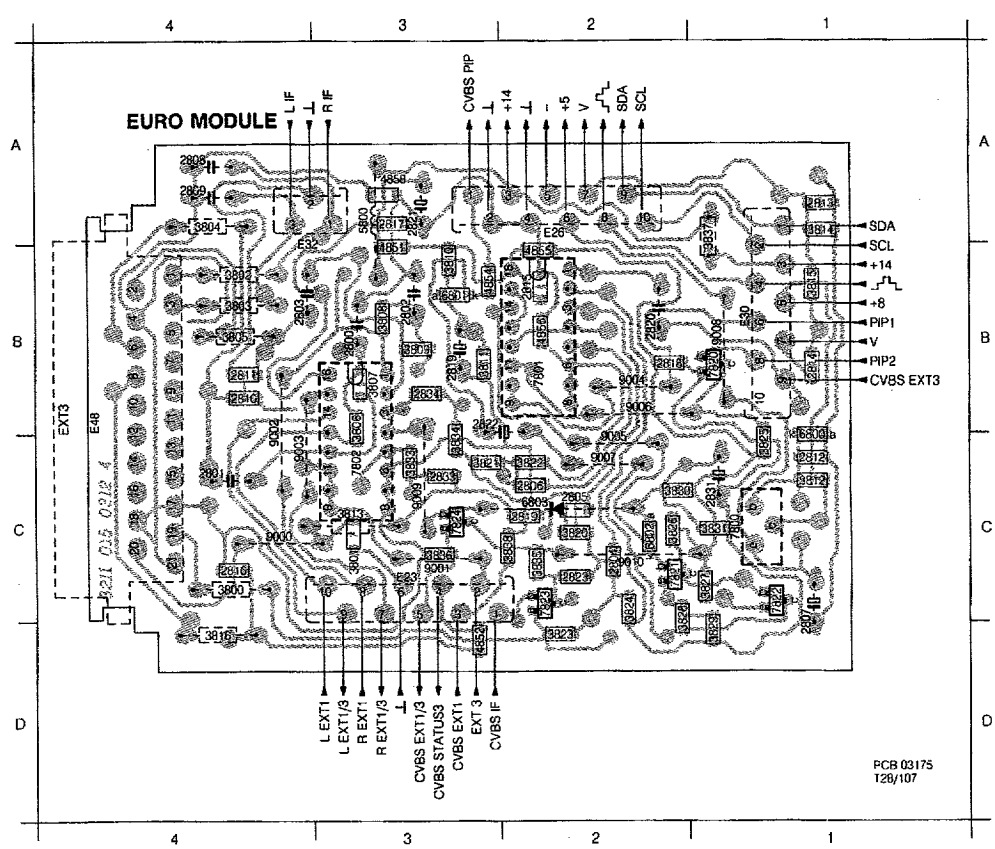


PRS 06912
T 26/105

CS 35 557

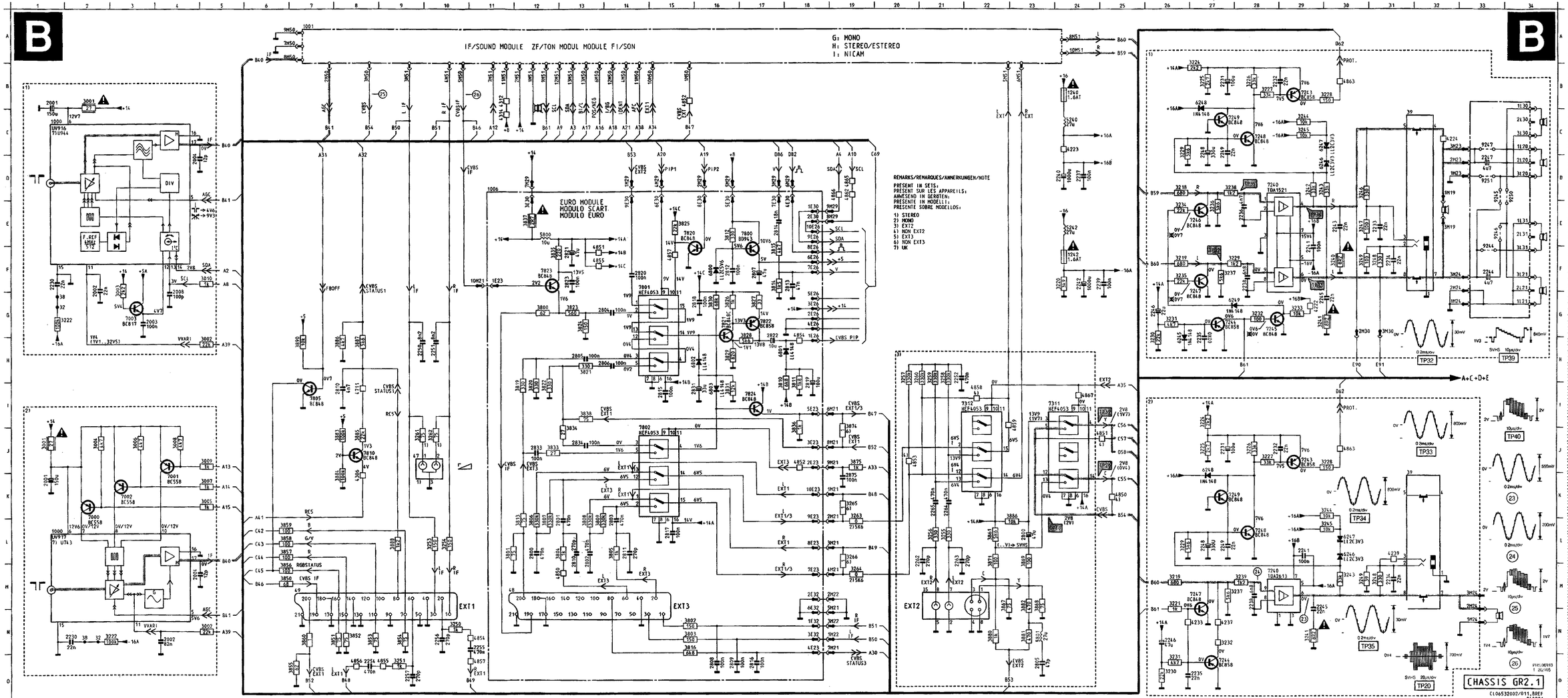
Euro module
Euro-AV-Platte
Module Prise Péritélévision



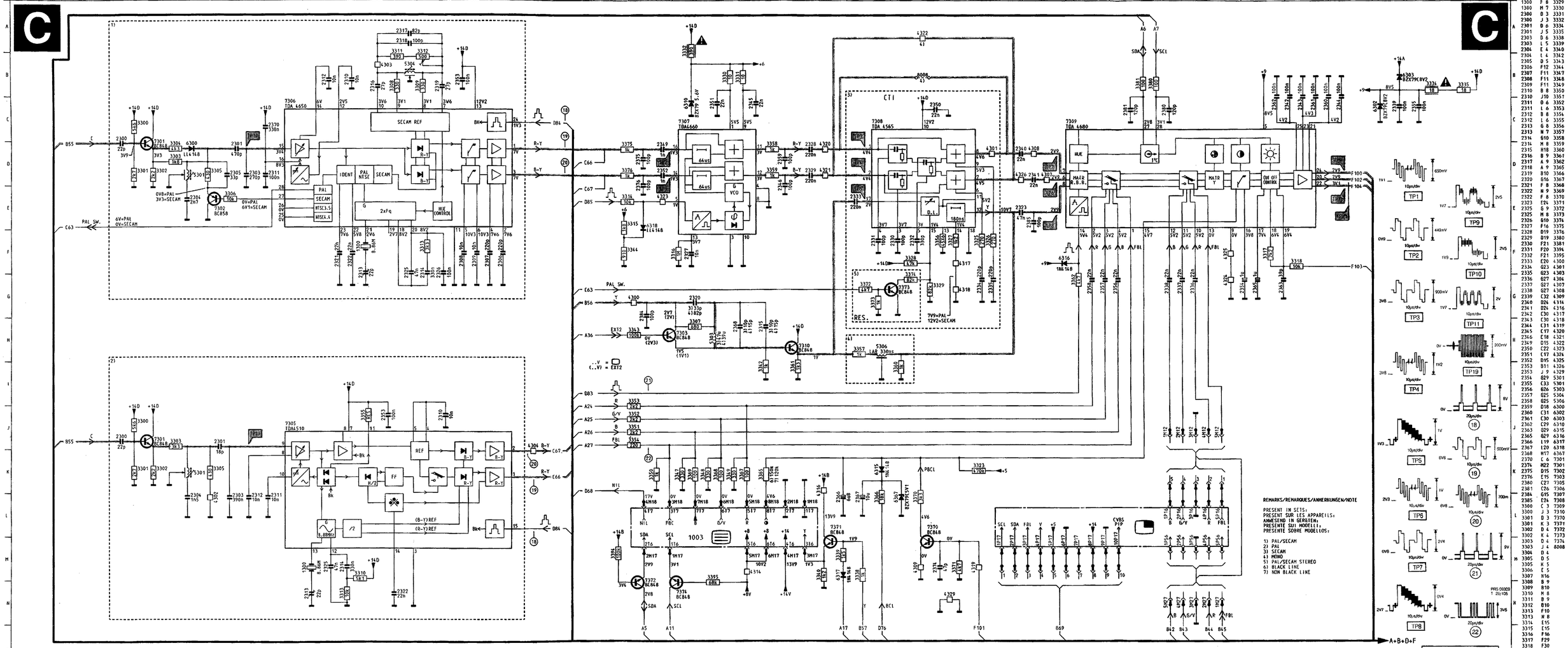


E23 C3
E26 B2
E30 B1
E32 B3
E48 C4
2800 B3
2801 C4
2802 B3
2803 B4
2804 C2
2805 C2
2806 C2
2807 D1
2808 A4
2809 A4
2810 B4
2811 B4
2812 C1
2813 A1
2814 B1
2815 B2
2816 C4
2817 A3
2818 B2
2819 B3
2820 B2
2821 B3
2822 C2
2823 C2
2831 C1
2833 C3
2834 B3
3800 C4
3801 C3
3802 B4
3803 B4
3804 A4
3805 B4
3806 C3
3807 B3
3808 B3
3809 B3
3810 B3
3811 B3
3812 C1
3813 C3
3814 B1
3815 B1
3816 D4
3819 C2
3820 C2
3821 C2
3822 C2
3823 D2
3824 D2
3825 C1
3826 C2
3827 C1
3828 D2
3829 D1
3830 C1
3831 C1
3833 C3
3834 C3
3835 C2
3836 C3
3837 B1
3838 C2
4851 B3
4852 D3
4852 D3
4854 B3
4855 B2
4856 B2
4858 A3
5800 A3
6800 C1
6801 B3
6802 C2
6803 C2
7800 C1
7801 B2
7802 C3
7820 B1
7821 C2
7822 D1
7823 D2
7824 C3
9000 C4
9001 C3
9002 C4
9003 C4
9004 B2
9005 C2
9006 B2
9007 C2
9008 B1
9009 C3
9010 C2

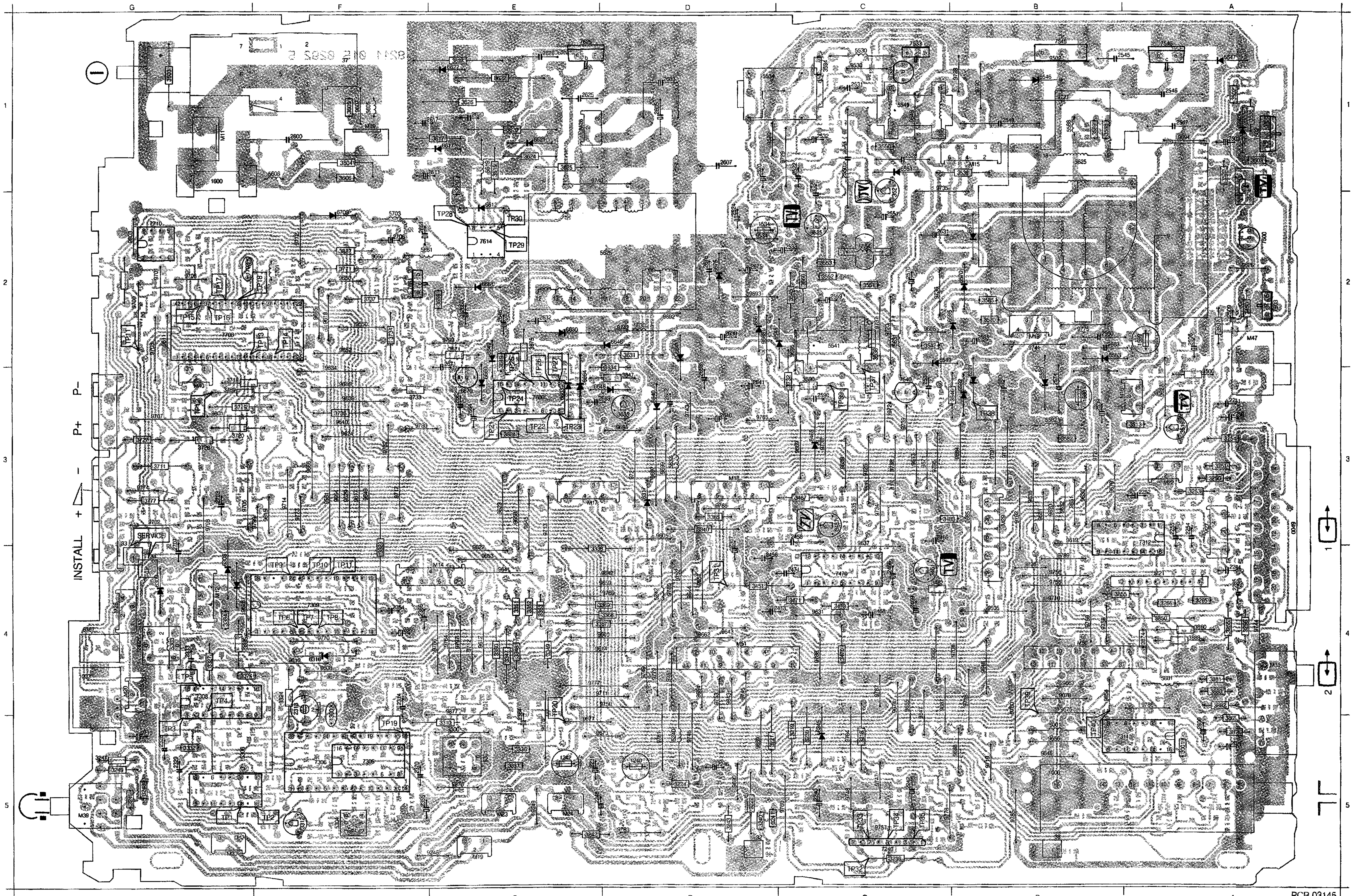
B



1000	L 1	3229	L26	4222	G29
1000	C 1	3229	F28	4223	C24
1001	A 7	3229	C26	4224	C32
1006	D11	3230	G26	4233	M27
1240	B24	3230	H26	4237	M27
1242	F24	3231	G26	4239	L31
2001	K 1	3231	G26	4306	K 8
2001	B 1	3232	M27	4312	B11
2002	N 4	3232	G28	4314	C11
2002	F 2	3233	G29	4711	I 8
2003	G 3	3234	F26	4759	J 9
2004	M 4	3235	F26	4800	M11
2004	D 4	3236	E27	4850	M13
2008	G 4	3237	M27	4850	K25
2230	M 2	3237	F27	4851	F13
2230	F 3	3238	D27	4851	J25
2231	J27	3239	M28	4852	B15
2231	B27	3240	F30	4852	J16
2232	J29	3241	G30	4853	J20
2232	B29	3241	G30	4854	H18
2233	E31	3242	D29	4854	N11
2234	M31	3243	D30	4855	D 9
2234	F31	3243	M30	4855	F13
2235	D27	3244	K30	4856	O 8
2235	M27	3244	C29	4857	F15
2236	E28	3245	L30	4857	O11
2237	D26	3245	C29	4858	I22
2238	M28	3246	D30	4859	I23
2238	F28	3247	C30	4862	D19
2239	F25	3248	M31	4863	J30
2240	D25	3248	F31	4863	B30
2241	L29	3249	M30	4865	D19
2241	F29	3249	F30	4866	D19
2242	F24	3250	M10	4867	I24
2243	E30	3251	O 9	4900	M 7
2244	F33	3253	L10	5240	C24
2245	N29	3254	L10	5242	E24
2245	G30	3255	L21	5800	E12
2246	H26	3256	L21	5800	M23
2246	G26	3257	H20	6245	M26
2247	D33	3258	H21	6246	L30
2248	L27	3259	H21	6246	D30
2248	C27	3260	H21	6247	L30
2249	L27	3261	J 9	6247	C30
2249	C27	3262	H21	6248	B27
2250	H 1	3263	L19	6248	K27
2251	M10	3264	M19	6249	G28
2252	N21	3265	M19	6800	F16
2254	O 8	3266	L19	6801	N18
2255	N11	3800	G12	6802	N16
2256	N10	3801	L11	6803	L16
2257	O 9	3802	N15	7000	K 2
2262	L21	3803	M15	7001	K 4
2263	L21	3804	L13	7002	K 3
2264	K21	3805	L14	7003	G 3
2265	K21	3806	L12	7240	M28
2800	L12	3807	L12	7240	D28
2800	L23	3808	L13	7243	J29
2801	L13	3809	L13	7243	B29
2802	L13	3810	I18	7244	O27
2803	L14	3811	I18	7244	O27
2804	G14	3812	E16	7245	G29
2805	N13	3813	L12	7246	E27
2805	O23	3814	F17	7247	M27
2806	N14	3815	F17	7247	F27
2807	F17	3816	N15	7248	L28
2808	N16	3819	I12	7248	C28
2809	O16	3820	I12	7249	K27
2810	I 8	3821	H13	7249	C27
2810	L15	3822	I13	7311	I23
2811	L14	3823	G13	7312	I21
2812	F16	3824	G13	7800	E17
2813	E15	3825	E15	7801	F14
2814	E17	3826	G16	7802	J14
2815	L15	3827	G17	7805	I 7
2816	D17	3828	D17	7810	J 8
2817	L15	3829	H16	7820	E16
2818	G16	3830	G16	7821	G16
2819	I18	3831	I16	7822	G17
2820	F14	3833	J12	7823	F12
2821	F13	3834	I13	7824	I17
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2823	F13	3836	I18	9245	D33
2824	L16	3837	I12	9246	E33
2833	J12	3838	I13	9247	C33
2834	J13	3850	M 6	9250	D34
2875	K19	3851	N 8	9251	D33
3001	J 1	3852	N 8		
3001	B 2	3853	N 8		
3002	N 3	3854	O 7		
3002	H 5	3855	O 7		
3003	F 3	3856	M 6		
3004	J 2	3857	I 6		
3005	K 5	3858	L 6		
3006	J 3	3859	L 6		
3007	K 5	3860	M 7		
3008	J 4	3861	L22		
3009	J 5	3871	M22		
3010	F 5	3868	M23		
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3221	M26	3880	M22		
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3225	B27	3886	H 8		
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3227	J28	3888	L 9		
3227	B28	3890	H 7		
3228	J30	3963	C31		
3228	B30	3963	K31		


C
CTI
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SCIS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELOS:
1) PAL/SECAM
2) PAL
3) SECAM
4) MONO
5) PAL/SECAM STEREO
6) BLACK LINE
7) NON BLACK LINE
A+B+D+F
CHASSIS GR2.1
C10653200Z/012.CREF
040291

Monocarrier / Hauptplatine / Châssis



PCB.03145
T21/051

32	5D
33	3G
34	4G
37	1F
38	5B
M10	1F
M11	1G
M12	4G
M13	2B
M14	4E
M15	1B
M16	3A
M17	3E
M18	3D
M19	5E
M20	4G
M21	4A
M22	3A
M23	5E
M24	5E
M26	4G
M27	3A
M28	1E
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M40	3G
M47	2A
M50	4B
M51	4D
0049	3A
1000	5B
1003	4G
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2522	1C
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2549	1B
2550	1C
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2607	1D
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2625	1E
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2632	2E
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2675	2D
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2706	2F
2707	4G
2713	5G
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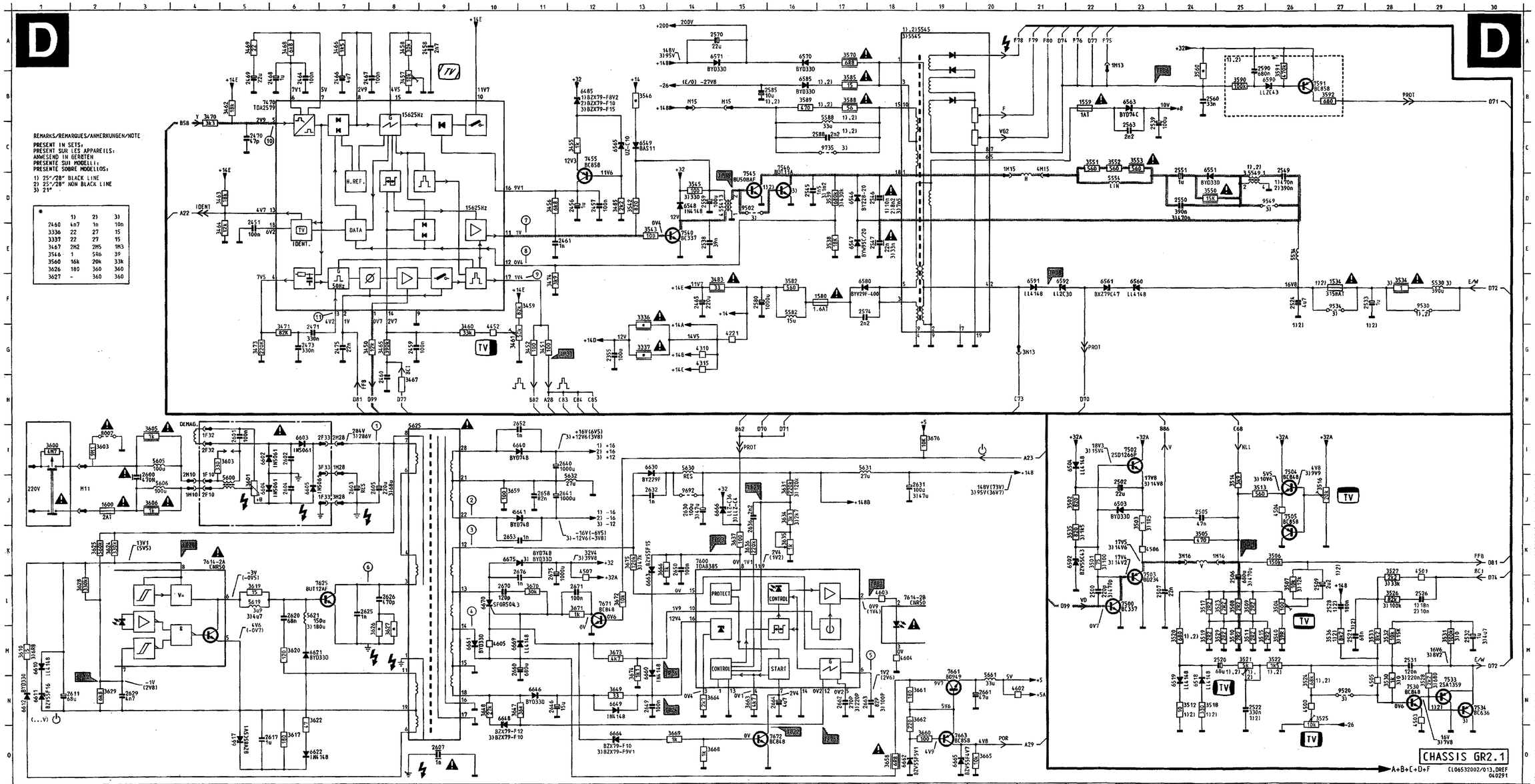
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9798	3G
9799	3F
9801	3G
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Power supply / Stromversorgung / Alimentation

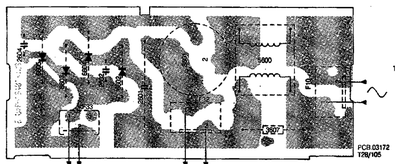
Synchronization / Synchronisation

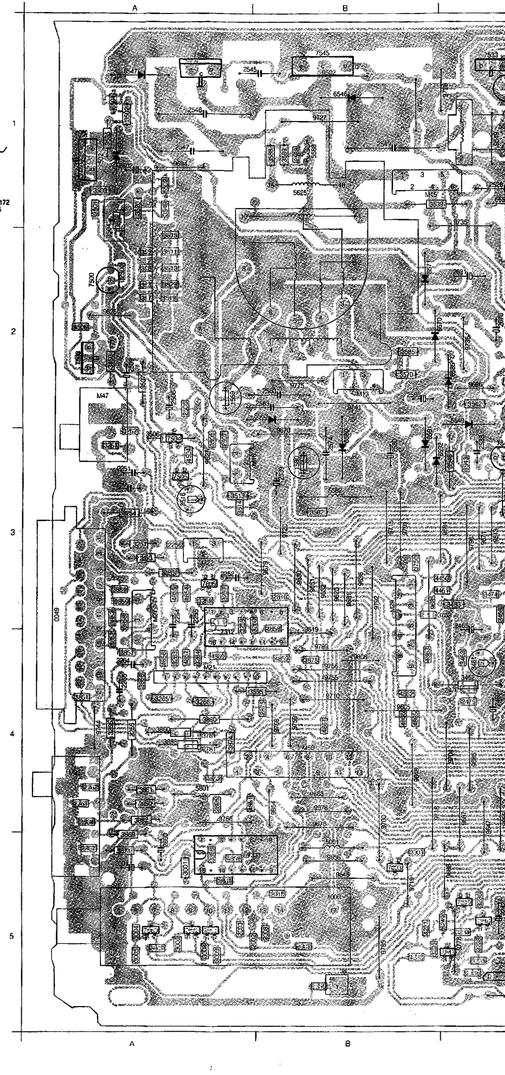


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3339	22	27	15
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3560	16k	20k	33k
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3627	-	360	360

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1559	B22	3504	L26
1580	F17	3505	K24
1600	J 2	3506	K26
2355	G12	3507	L26
2451	E 5	3508	L25
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2458	A 9	3511	M25
2459	B 8	3512	N24
2460	H 8	3513	J25
2461	E11	3514	J25
2466	B 6	3515	M26
2465	F16	3516	J29
2466	B 7	3517	L24
2467	B 8	3518	M24
2468	B 6	3519	M24
2469	B 5	3520	M24
2470	C 5	3521	M25
2471	G 6	3522	M26
2473	G 6	3523	L25
2475	G 7	3524	M26
2500	L22	3525	N27
2502	J23	3526	L28
2505	J24	3527	L28
2506	L25	3528	N29
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2509	L27	3530	N28
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2522	M25	3533	M28
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2526	L29	3535	K22
2528	L27	3536	M27
2531	M28	3538	L17
2532	M30	3539	D17
2533	F28	3540	M26
2538	E16	3542	D13
2539	C23	3543	E13
2545	D16	3545	D14
2546	D18	3546	B13
2547	E18	3550	D24
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2585	B15	3590	B25
2588	C17	3591	B26
2590	B25	3592	B27
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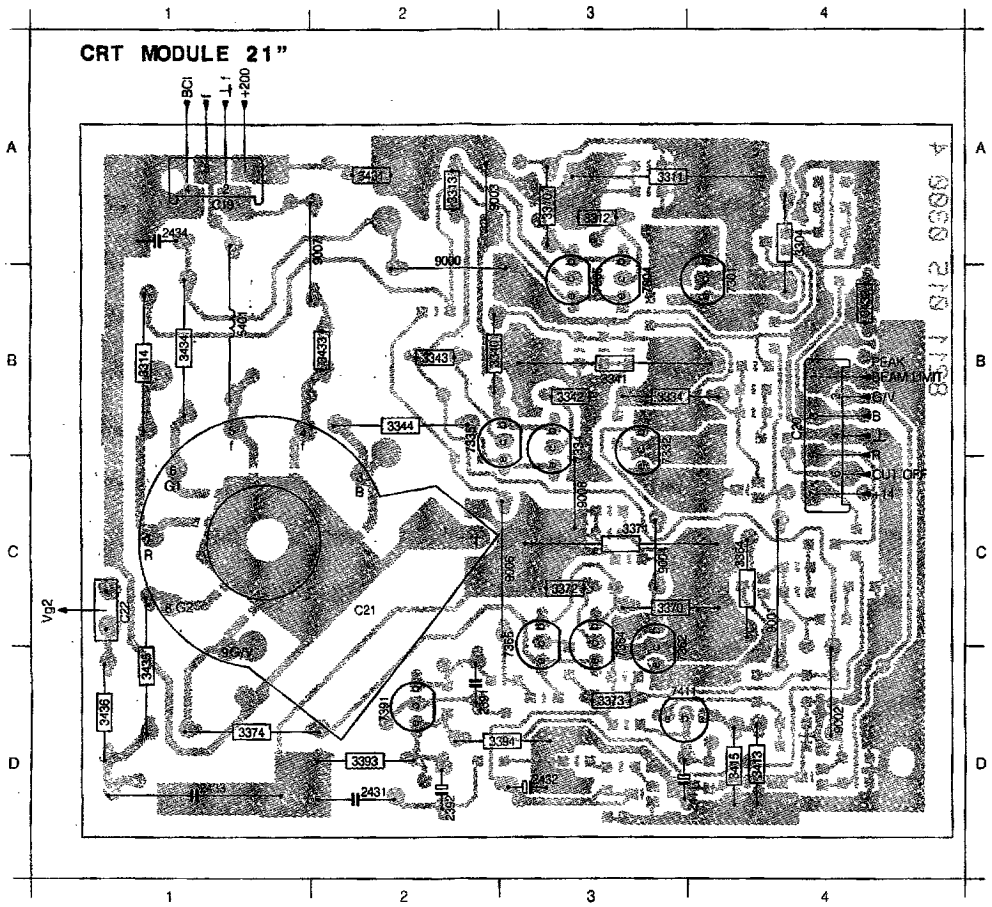
Mains module
Netzteil
Module secteur



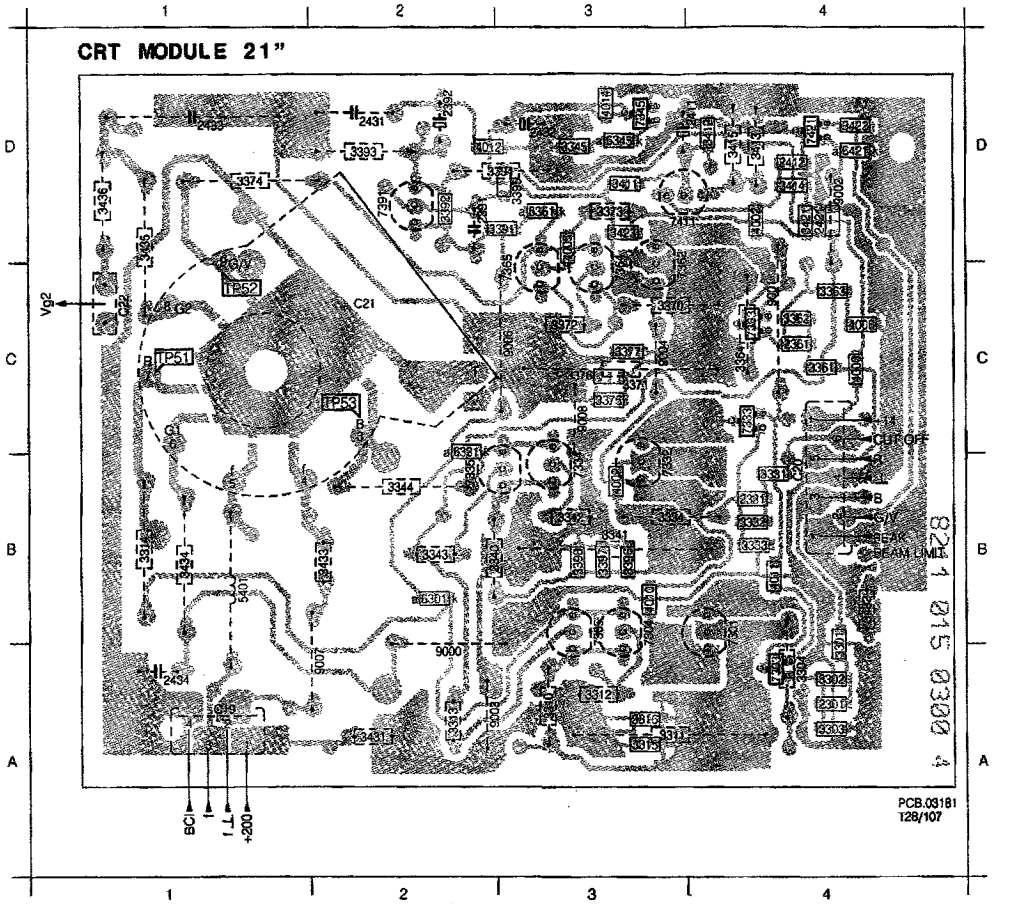


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0048 3G	2507 3G	3302 4G	3553 2G	3891 3G	6585 3G	9648 4G													
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1242 5G	2522 1G	3306 4G	3585 2G	4233 5G	6610 1G	9652 2G													
1300 5G	2524 2G	3307 4A	3588 1G	4237 5G	6611 1G	9653 4G													
1534 2G	2526 1G	3308 5G	3589 1G	4238 5A	6612 1G	9654 4G													
1569 2G	2528 1G	3309 5G	3590 3G	4300 4G	6617 1G	9655 4G													
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1600 1A	2532 1G	3311 5G	3592 5G	4302 4G	6622 1G	9657 4G													
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2002 5G	2539 3G	3314 4G	3605 1G	4305 4G	6641 2G	9660 2G													
2003 5G	2545 1G	3315 5G	3606 1G	4306 4G	6646 2G	9662 4G													
2006 5G	2546 1G	3316 5A	3610 1G	4307 4G	6648 2G	9663 4G													
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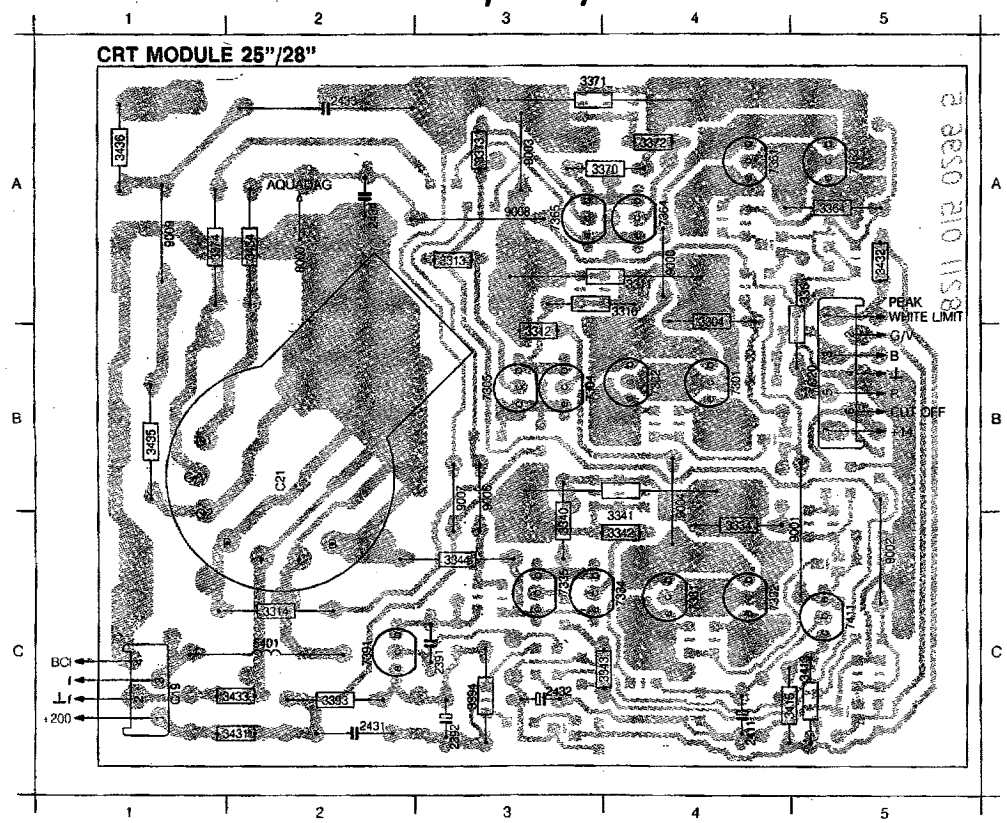
Picture tube module 21" / Bildröhren Modul 21" / Module support tube image 21"



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C20	B4	3423	D3	2331	B4	3434	B1
C21	C2	3431	A2	2361	C4	3435	D1
C22	C1	3432	B4	2391	D2	3436	D1
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4005	D3	2412	D4	4006	C4	2421	D4
4009	B3	2431	D2	4010	B3	2432	D3
4011	B4	2433	D1	4012	D2	2434	A1
4014	D3	3301	B4	5401	B1	3302	A4
6301	B2	3303	A4	6331	C2	3304	A4
6345	D3	3310	A3	6361	D3	3311	A3
6421	D4	3312	A3	7301	B4	3313	A2
7303	A4	3314	B1	7304	B3	3315	A3
7305	B3	3316	A3	7332	C3	3331	B4
7333	C4	3332	B4	7334	C3	3333	B4
7335	B2	3334	B3	7345	D3	3340	B3
7362	D3	3341	B3	7363	C4	3342	B3
7364	D3	3343	B2	7365	D3	3344	B2
7391	D2	3345	D3	7411	D3	3361	C4
7421	D4	3362	C4	9000	B2	3363	C4
9001	C4	3364	C4	9002	D4	3370	C3
9003	A2	3371	C3	9004	C3	3372	C3
9005	C3	3373	D3	9007	A2	3374	D1
9008	C3	3375	C3			3376	C3
		3377	C3			3391	D2
		3392	D2			3393	D2
		3394	D2			3395	D3
		3396	B3			3397	B3
		3398	B3			3411	D3
		3412	D4			3413	D4
		3414	D4			3415	D4
		3421	D4				



Picture tube module 25"/28" / Bildröhren Modul 25"/28" / Module support tube image 25"/28"



C19	C1	3397	B3	2301	B4	3413	C5
C20	B5	3398	B4	2331	C5	3414	C5
C21	B2	3411	C4	2361	A5	3415	C5
2391	C3	3421	C5	2392	C3	3422	C5
3423	C3	2411	C4	3431	C1	2412	C5
3432	A5	2421	C5	3433	C1	2431	C2
3434	A2	2432	C3	3435	B1	2433	A2
3436	A1	2434	A2	4000	B5	3301	B4
4002	C5	3302	B4	4003	C3	3303	A4
4005	C3	3304	B4	4007	B3	3308	B4
4008	A3	3309	B4	4008	C4	3310	A4
4011	A4	3311	A4	5401	C2	3312	B3
6301	B3	3313	A3	6331	C3	3314	C2
6345	C3	3315	B3	6361	A3	3316	B4
6411	C4	3331	B5	6421	C5	3332	C5
7301	B4	3333	B5	7302	B4	3334	C4
7303	B4	3338	C4	7304	B3	3339	C4
7305	B3	3340	C3	7331	C4	3341	C4
7332	C4	3342	C4	7333	C5	3343	C4
7334	C4	3344	C3	7335	C3	3345	C3
7345	C3	3361	A5	7361	A4	3362	A5
7362	A5	3363	A5	7363	A4	3364	A5
7364	A4	3368	A4	7365	A3	3369	A4
7391	C2	3370	A3	7411	C5	3371	C5
7421	C5	3372	A4	8000	A2	3373	A3
9000	A4	3374	A1	9001	C5	3375	A3
9002	C5	3376	A4	9003	A3	3377	A4
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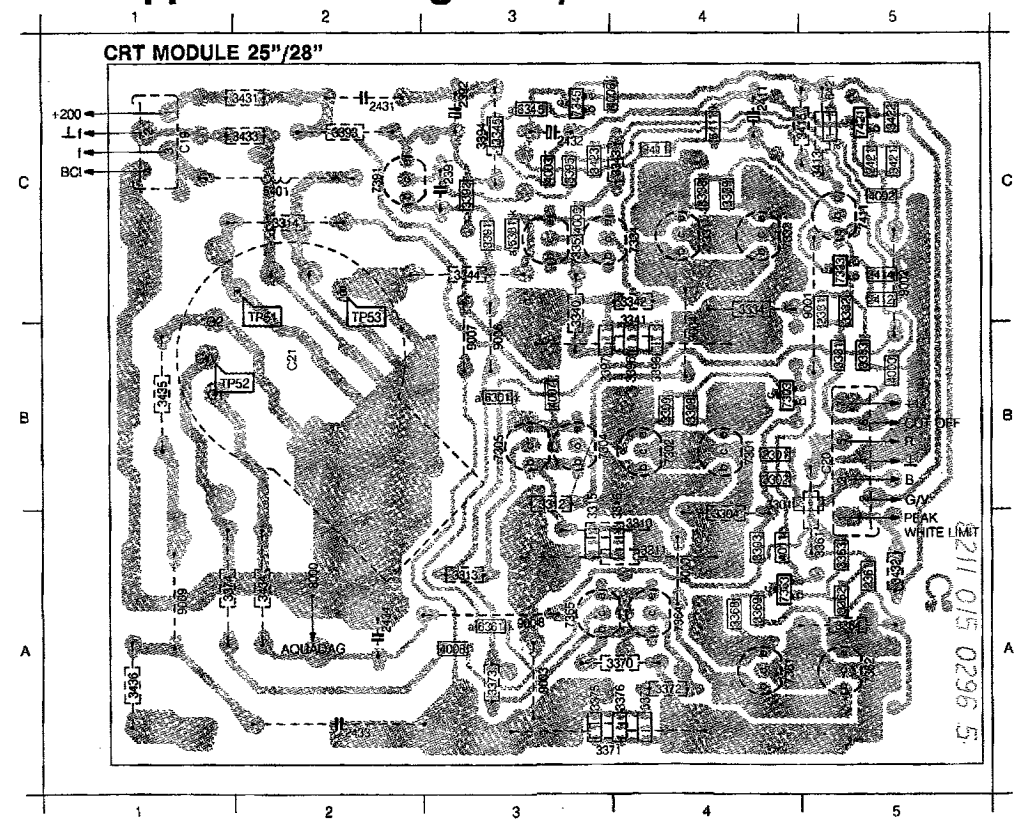


DIAGRAM F
SCHEMA F

1005
PICTURE TUBE MODULE/MODULE SUPPORT TUBE IMAGE/BILDRÖHREN MODUL/MODULO CRT/MODULO TUBO DE IMAGEN

SEE SERVICE MANUAL "REMARKS" SIEHE ANMERKUNGEN IN DER SERVICE DOKUMENTATION VEDERE NOTE SU DOCUMENTATIONE VER OBSERVACIONES EN ET DOCUMENTACION

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) 25"/28" BLACK LINE
2) 25"/28" NON BLACK LINE
3) 21"

TP51 1 — 65V, 130V
TP51 2 — 50V, 130V
TP51 3 — 70V, 115V
TP52 1 — 75V, 120V
TP52 2 — 56V, 120V
TP52 3 — 72V, 115V
TP53 1 — 80V, 120V
TP53 2 — 66V, 120V
TP53 3 — 76V, 110V

PRS.06913
T-26/105

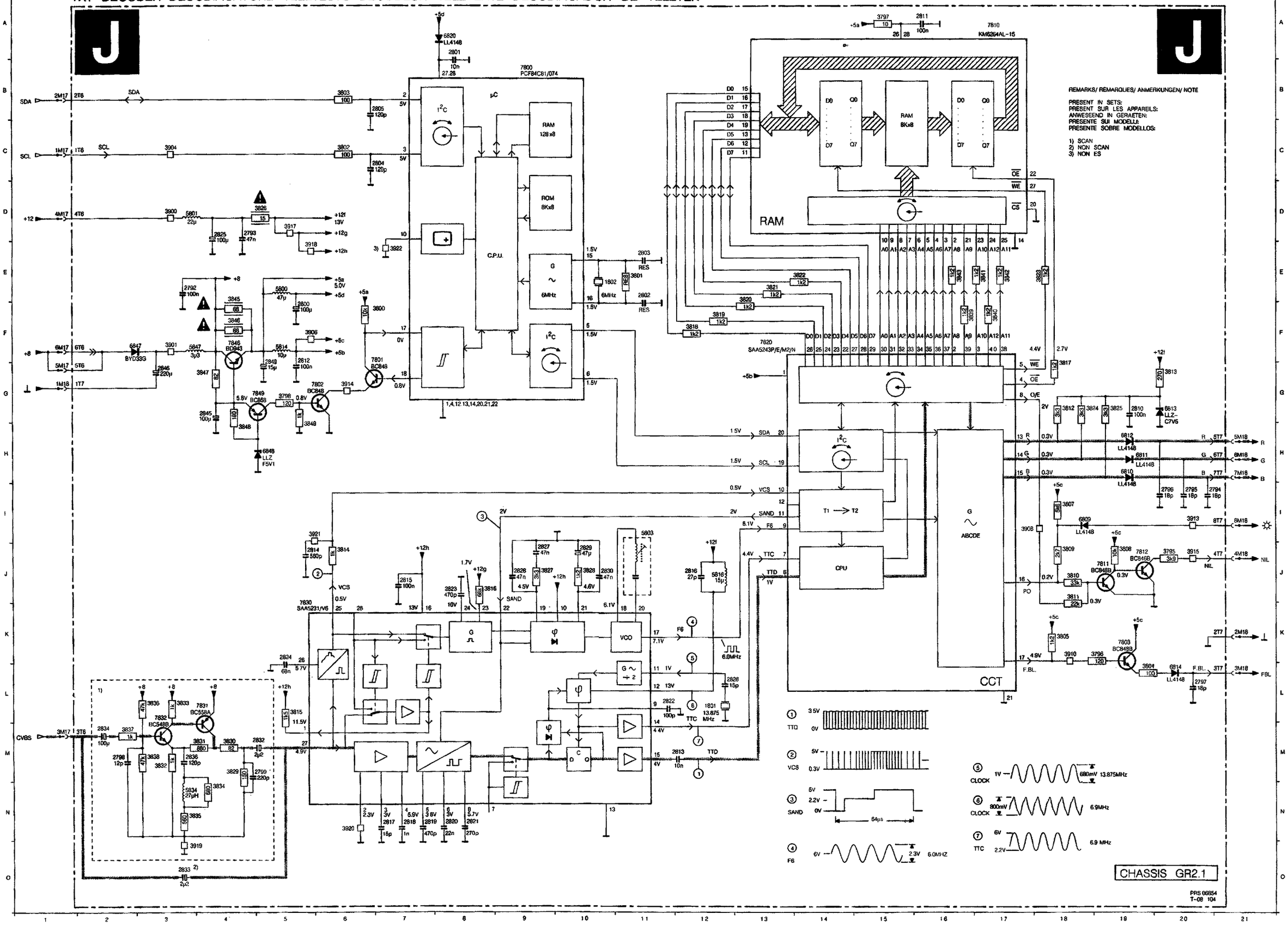
CHASSIS GR2.1
CL06532002/017.FREF
040291

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2331 I 6
2361 D 6
2371 E 3
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2373 I 3
2391 H 6
2392 G 5
2411 C 5
2412 C 7
2421 K 6
2431 D 6
2432 B 6
2433 H14
2434 I13
3301 E 5
3302 E 6
3303 E 8
3304 D 8
3305 C 9
3306 B 9
3307 B 9
3308 D 9
3309 D 9
3310 C10
3311 B 8
3312 B11
3313 G11
3314 D13
3315 B 9
3316 B 9
3331 I 5
3332 I 6
3333 I 8
3334 H 8
3335 G 9
3336 G 9
3337 F 9
3338 H 9
3339 H 9
3340 G10
3341 G 9
3342 G10
3343 I11
3344 D13
3365 B 5
3361 N 5
3362 N 6
3363 N 8
3364 M 8
3365 L10
3366 L10
3367 K10
3368 N 9
3369 N 9
3370 M10
3371 L 9
3372 L10
3373 L11
3374 D13
3375 L 8
3376 L 8
3377 L 9
3391 G 7
3392 G 6
3393 G 5
3394 G 5
3395 H 5
3396 G 8
3397 G 8
3398 G 9
3411 B 6
3412 C 6
3413 B 7
3414 C 7
3415 B 7
3421 K 6
3422 J 5
3423 J 6
3431 D 4
3432 A 4
3433 F14
3434 F15
3435 H14
3436 H14
4000 H 5
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4005 I11
4007 D13
4008 D13
4011 N10
5401 F14
6301 E12
6331 E12
6345 B 5
6361 E12
6411 C 6
6421 J10
7301 D10
7302 D 9
7303 E10
7304 C10
7305 D10
7331 H 9
7332 H10
7333 I10
7334 H10
7335 H10
7345 B 5
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7421 J 5

Teletext / Videotext / Teletexte

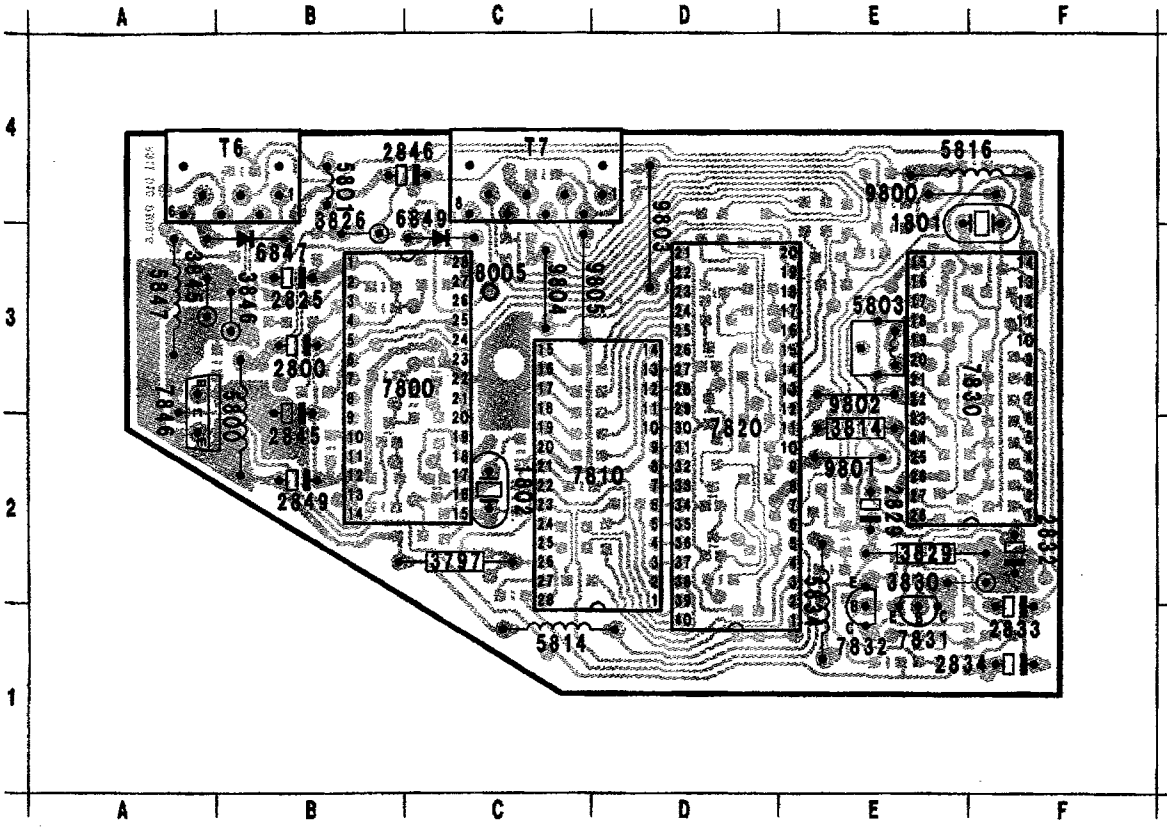
CHASSIS GR2.1 | 6.27 | 6.28 | CHASSIS GR2.1

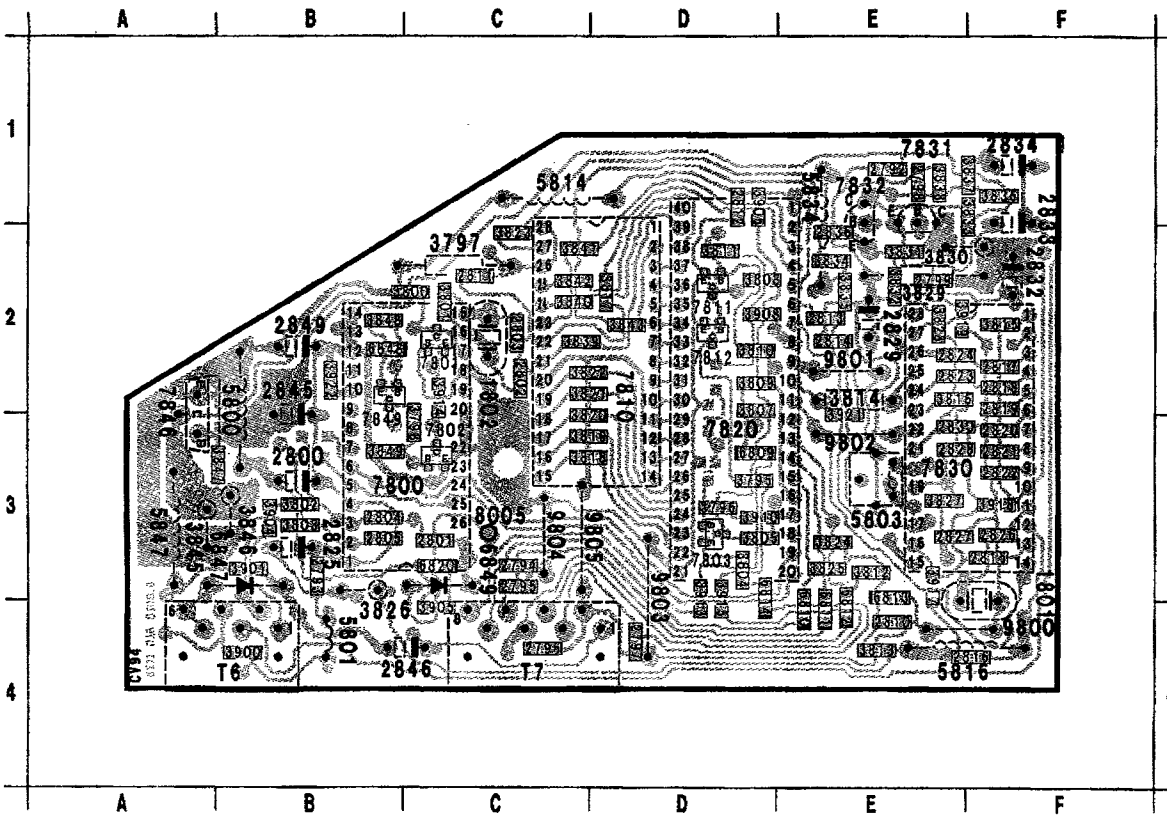
TXT–DECODER–DECODIFICATORE TELETESTO–DECODEUR TELETEXTE–DECODIFICADOR DE TELETEX



1801 L1
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2794 I2
2795 I2
2796 I2
2797 L2
2798 M2
2799 M4
2800 F5
2801 A8
2802 E1
2803 E1
2804 C6
2805 B6
2810 G1
2811 A1
2812 G5
2813 M1
2814 J5
2815 J7
2816 J1
2817 N7
2818 N7
2819 N7
2820 N8
2821 N8
2822 L1
2823 J8
2824 K5
2825 D4
2826 L1
2827 J9
2828 J9
2829 J1
2830 J1
2832 M5
2833 O3
2834 M2
2836 M8
2845 G4
2846 G3
2849 G5
3795 J2
3796 K1
3797 A1
3798 G5
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3801 E1
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3803 B6
3804 L1
3805 K1
3807 I1
3808 J1
3809 J1
3810 J1
3811 J1
3812 G1
3813 G2
3814 J6
3815 L5
3816 J8
3817 G1
3818 F1
3819 F1
3820 E1
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3822 E1
3823 E1
3824 G1
3825 G1
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3827 J9
3828 J1
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3831 M4
3832 M3
3833 L3
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3835 N3
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3837 M2
3838 M3
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3841 E1
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3848 H4
3849 H5
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3901 F3
3904 C3
3906 F5
3908 I1
3910 K1
3913 I2
3914 C6
3915 J2
3917 D5
3918 E5
3919 D4
3920 N6
3921 I6
3922 E7
5800 E5
5801 D3
5803 I1
5814 F5
5816 J1
5834 N3
5847 F4
6809 I1
6810 H1
6811 H1
6812 H1
6813 G2
6814 L2
6820 A8
6847 F3
6848 H5
7800 B9
7801 F7
7802 G6
7803 K1
7810 A1
7811 J1
7812 J1
7820 F1
7830 K5
7831 L4
7832 L3
7846 F4
7849 G5

1290 TXT FLOF MODULE





	T6	A 4	3847	A 3			
	T7	C 4	3848	B 2			
	1801	F 3	3849	B 3			
	1802	C 2	3900	B 4			
	2792	E 1	3901	B 3			
4	2793	B 3	3904	B 3			
	2794	C 3	3905	C 4			
	2795	C 3	3906	D 1			
	2796	C 4	3908	D 2			
	2797	D 4	3910	D 3			
	2798	E 1	3913	D 3			
	2799	E 2	3914	C 2			
	2800	B 3	3915	D 3			
	2801	C 3	3917	E 3			
	2802	C 2	3918	F 3			
3	2803	C 2	3919	E 2			
	2804	B 3	3921	E 2			
	2805	B 3	3922	B 2			
	2810	E 4	5800	B 2			
	2811	C 2	5801	B 4			
	2812	D 1	5803	E 3			
	2813	E 2	5814	C 1			
	2814	E 2	5816	E 4			
	2815	F 3	5834	E 1			
	2816	F 4	5847	A 3			
2	2817	F 2	6809	D 3			
	2818	F 2	6810	E 4			
	2819	F 2	6811	E 4			
	2820	F 3	6812	E 4			
	2821	F 3	6813	E 3			
	2822	F 3	6814	D 3			
	2823	E 2	6820	C 3			
	2824	E 2	6847	B 3			
	2825	B 3	6848	B 2			
	2826	F 3	6849	C 3			
1	2827	E 3	7800	B 3			
	2828	E 3	7801	C 2			
	2829	E 2	7802	C 3			
	2830	E 3	7803	D 3			
	2832	F 2	7810	D 2			
	2833	F 1	7811	D 2			
	2834	F 1	7812	D 2			
	2836	E 2	7820	D 3			
	2845	B 2	7830	E 3			
	2846	C 4	7831	E 1			
	2849	B 2	7832	E 1			
	3795	D 3	7846	A 2			
	3796	D 3	7849	B 3			
	3797	C 2	8005	C 3			
	3798	C 3	9800	F 4			
	3800	C 2	9801	E 2			
	3801	C 2	9802	E 3			
	3802	B 3	9803	D 3			
	3803	B 3	9804	C 3			
	3804	D 3	9805	D 3			
1	3805	D 3					
	3807	D 2					
	3808	D 2					
	3809	D 2					
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	3811	D 2					
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4	3836	F 1					
	3837	E 1					
	3838	E 1					
	3839	C 2					
	3840	C 2					
	3841	C 2					
	3842	C 2					
	3843	D 2					
	3845	A 3					
	3846	B 3					

Mono IF/sound module / Mono ZF/Tonmodul / Module FI/son mono

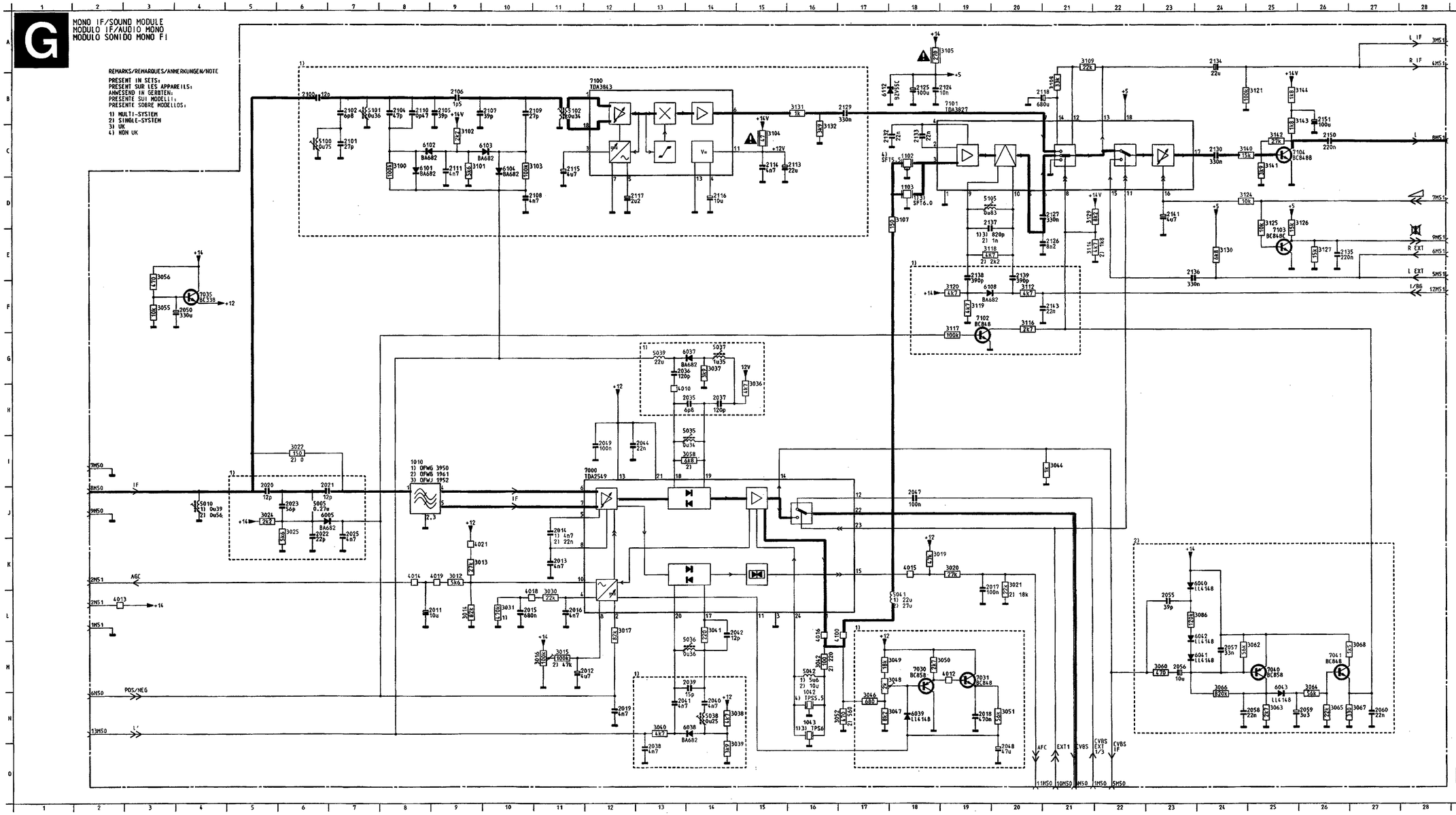
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MONO IF/SOUND MODULE
MODULO IF/AUDIO MONO
MODULO SONIDO MONO FI

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) MULTI-SYSTEM
2) SINGLE-SYSTEM
3) UK
4) NON UK



CHASSIS GR2.1

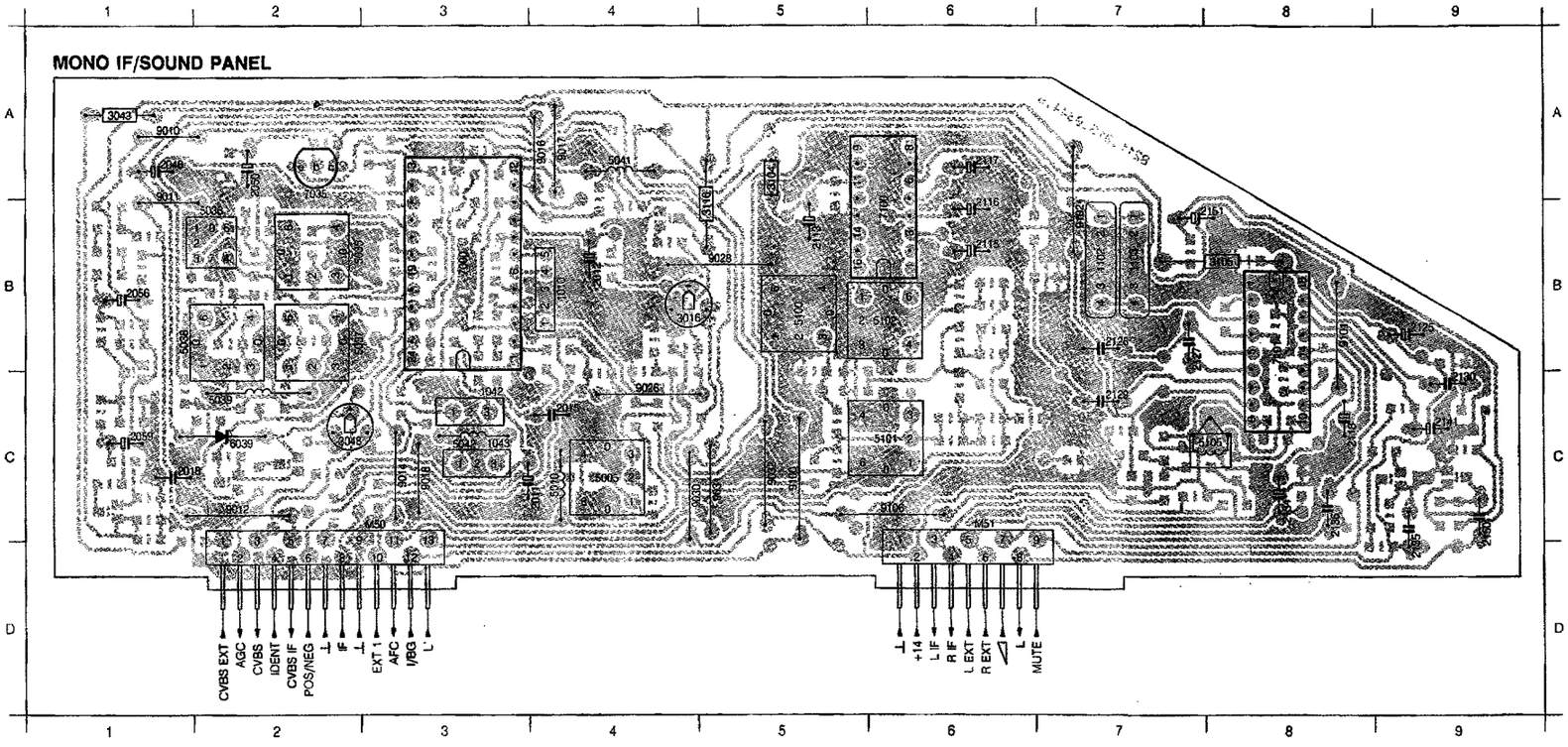
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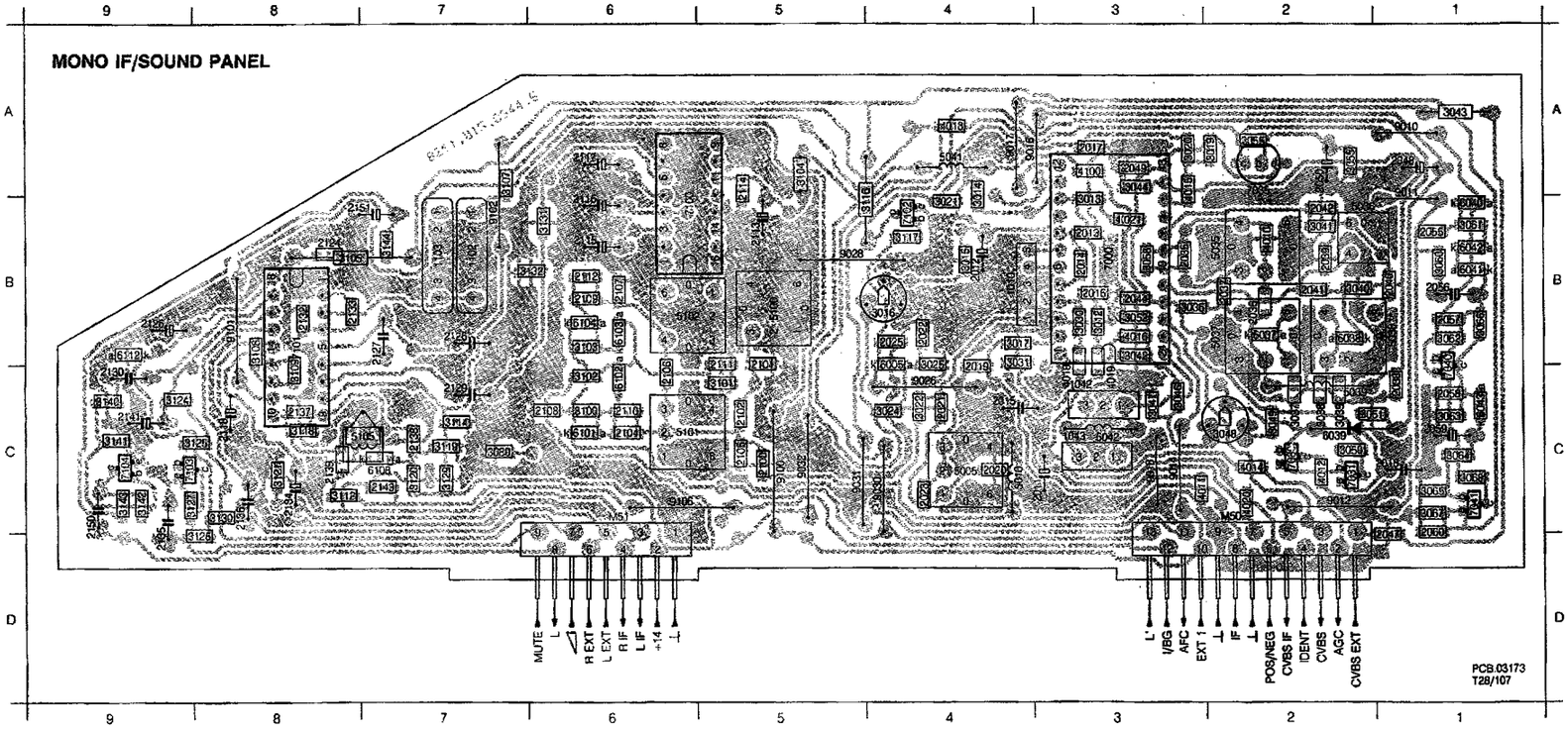
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1042	N16	3103	C10				
1043	N16	3104	C15				
1102	C18	3105	A19				
1103	D18	3107	D18				
2011	L 9	3108	B21				
2012	M11	3109	A21				
2013	K11	3112	F20				
2014	J11	3114	E22				
2015	L10	3116	F20				
2016	L11	3117	G19				
2017	L19	3118	E20				
2018	N19	3119	F19				
2019	N12	3120	F19				
2020	J 5	3121	B25				
2021	J 7	3124	D25				
2022	K 6	3125	D25				
2023	J 6	3126	D26				
2025	K 7	3127	E26				
2035	H14	3129	D22				
2036	G13	3130	E24				
2037	H14	3131	B16				
2038	G13	3132	C16				
2039	M14	3140	C25				
2040	N14	3141	C25				
2041	N13	3142	C25				
2042	L14	3143	B26				
2044	I13	3144	B26				
2047	J18	4010	H13				
2048	O20	4012	H19				
2049	I12	4014	K 8				
2050	F 4	4015	K18				
2055	L23	4016	L16				
2056	N23	4018	L11				
2057	N24	4019	K 9				
2058	N25	4021	K 9				
2059	N26	4100	L17				
2060	N27	5005	J 6				
2100	B 6	5010	J 4				
2101	C 7	5035	H14				
2102	B 7	5036	M14				
2104	B 8	5037	G14				
2105	B 9	5038	N14				
2106	B 9	5039	G13				
2107	B10	5041	L18				
2108	D10	5042	M16				
2109	B10	5100	C 6				
2110	B 8	5101	B 7				
2111	C 9	5102	B11				
2113	C16	5105	D20				
2114	C15	6005	J 7				
2115	C11	6037	G14				
2116	D14	6038	N14				
2117	D12	6039	N18				
2118	B21	6040	K24				
2124	B19	6041	M24				
2125	B18	6042	M24				
2126	E21	6043	N25				
2127	D21	6101	C 8				
2129	B17	6102	C 9				
2130	C24	6103	C10				
2132	C18	6104	C10				
2133	C18	6108	F20				
2134	A24	6112	B18				
2135	E26	7000	I12				
2136	E24	7030	H18				
2137	D20	7031	M19				
2138	F19	7035	F 4				
2139	F20	7040	M25				
2141	D23	7041	M26				
2143	F21	7100	B12				
2150	C24	7101	B19				
2151	C26	7102	F19				
3012	K 9	7103	E25				
3013	K 9	7104	C25				
3014	L 9						
3015	M11						
3016	M11						
3017	L12						
3019	K18						
3020	K19						
3021	N20						
3022	I 6						
3024	J 5						
3025	J 6						
3030	L11						
3031	L10						
3036	H15						
3037	G14						
3038	N14						
3039	O14						
3040	N13						
3041	L14						
3042	M16						
3044	I21						
3046	N17						
3047	M18						
3048	M18						
3049	M18						
3050	M18						
3051	N20						
3052	N17						
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3056	E 3						
3058	I14						
3060	M23						
3062	M25						
3063	N25						
3064	N26						
3065	N26						
3066	M24						
3067	N27						
3068	M27						
3086	L24						
3100	C 8						
3101	C 9						

Mono IF/sound module / Mono ZF/Tonmodul / Module FI/son mono

CHASSIS GR2.1 | 6.33 | 6.34 | CHASSIS GR2.1

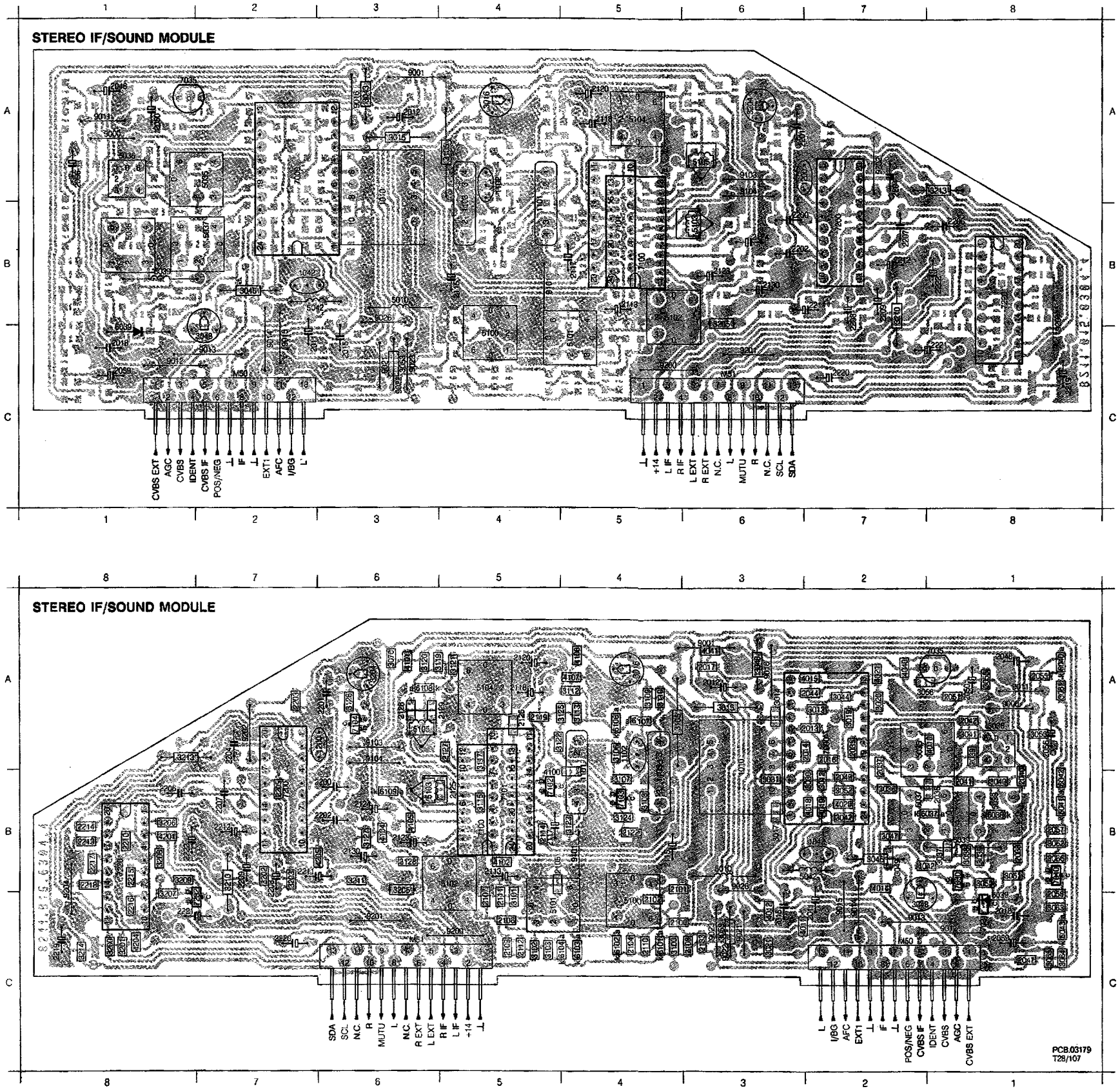




M50 C2
M51 C6
1010 B4
1042 C3
1043 C3
1102 B7
1103 B7
2011 C4
2012 B4
2013 B3
2014 B3
2015 C4
2016 B3
2017 A3
2018 C1
2019 C4
2020 C4
2021 C4
2022 B4
2023 C4
2025 B4
2035 B3
2036 B2
2037 B2
2038 C1
2039 B2
2040 B2
2041 B2
2042 B2
2044 B3
2047 D1
2048 A1
2049 A3
2050 A2
2055 B1
2056 B1
2057 B1
2058 C1
2059 C1
2060 D1
2100 C5
2101 C5
2102 C5
2104 C6
2105 C5
2106 C6
2107 B6
2108 C6
2109 B6
2110 C6
2111 C5
2112 B6
2113 B5
2114 B5
2115 B6
2116 B6
2117 A6
2118 C8
2124 B8
2125 B9
2126 B7
2127 B7
2129 C7
2130 C9
2132 B8
2133 B8
2134 C8
2135 D9
2136 C8
2137 C8
2138 C7
2139 C8
2141 C9
2143 C7
2150 D9
2151 B7
3012 B3
3013 B3
3014 B4
3015 B4
3016 B4
3017 B4
3019 A3
3020 A3
3021 B4
3022 C4
3024 C4
3025 C4
3030 B3
3031 C4
3036 B3
3037 C2
3038 C2
3039 C2
3040 B2
3041 B2
3042 B3
3043 A1
3044 A3
3046 C3
3047 C3
3048 C2
3049 C2
3050 C2
3051 C2
3052 B3
3055 A2
3056 A2
3058 B3
3060 B1
3061 B1
3062 B1
3063 C1
3064 C1
3065 C1
3066 B1
3067 C1
3068 C1
3080 C7
3100 C5
3101 C5
3102 C6
3103 B6
3104 A5
3105 B8
3107 B7
3108 C8
3109 C8
3112 C8
3114 C7
3116 B5
3117 B4
3118 C8
3119 C7
3120 C7
3121 C8
3124 C9
3125 C8
3126 D8
3127 C9
3129 C7
3130 C8
3131 B7
3132 B6
3140 C9
3141 C8
3142 C8
3143 C9
3144 B7
4010 B2
4011 C3
4012 C2
4013 A4
4014 C2
4015 B3
4016 B3
4018 C3
4019 C3
4020 C2
4021 B3
4100 A3
5005 C4
5010 C4
5035 B3
5036 B2
5037 B3
5038 B1
5039 C2
5041 A4
5042 C3
5100 B5
5101 C6
5102 B6
5105 C7
6005 C4
6037 B2
6038 B2
6039 C2
6040 B1
6041 B1
6042 B1
6043 C1
6101 C6
6102 C6
6103 B6
6104 B6
6108 C7
6112 B9
7000 B3
7030 C2
7031 C2
7035 A2
7040 C1
7041 C1
7100 B6
7101 B8
7102 B4
7103 C9
7104 C9
9010 A1
9011 B1
9012 C2
9014 C3
9016 A4
9017 A4
9018 C3
9026 C4
9028 B5
9030 C5
9031 C5
9032 C5
9100 C5
9101 B8
9102 B7
9106 C6

Stereo IF/sound module / Stereo ZF/Tonmodul / Module FI/son stéréo

CHASSIS GR2.1 6.35 6.36 CHASSIS GR2.1



M50 C2
M51 C6
1010 B3
1042 B2
1101 B4
1102 A4
1103 B4
1200 A7
2011 C2
2012 A3
2013 A2
2014 A3
2015 C3
2016 A2
2017 A3
2018 C1
2035 A2
2036 B1
2037 B2
2038 B1
2039 A1
2040 B1
2041 B1
2042 A1
2044 A2
2047 C1
2048 A1
2049 B2
2050 A1
2051 A1
2055 A1
2056 A1
2057 B1
2058 C1
2059 C1
2100 C3
2101 B3
2102 C4
2104 C4
2105 B5
2106 C5
2107 C5
2108 C4
2109 C5
2110 C4
2111 C5
2112 C5
2113 B5
2114 B5
2115 B4
2117 B5
2118 A5
2119 A5
2120 A5
2122 B4
2123 B6
2124 B6
2125 B5
2126 A5
2127 A6
2128 A6
2129 A6
2130 B6
2133 C3
2200 B6
2201 A7
2202 B6
2203 A7
2204 A7
2205 B7
2206 B8
2207 B7
2208 C7
2209 B7
2210 B8
2211 B7
2212 B7
2213 B8
2214 B8
2215 B8
2216 C8
2217 B8
2218 B8
2219 C8
2220 C7
2221 C8
2222 B8
3012 B2
3013 A2
3014 A3
3015 A3
3016 A4
3017 B3
3019 A2
3020 A2
3021 C3
3030 B3
3031 B3
3036 B2
3037 B1
3038 B1
3039 B1
3040 B1
3041 A1
3042 B2
3043 A3
3044 A2
3046 B2
3047 B2
3048 C2
3049 B2
3050 B1
3051 B1
3052 B2
3053 C3
3055 A1
3058 A1
3060 A1
3061 A1
3062 B1
3063 C1
3064 C1
3065 C1
3066 B1
3070 A6
3100 C4
3101 C5
3102 C5
3103 C5
3105 A4
3106 A4
3107 B4
3108 B4
3109 A4
3110 A4
3112 A4
3113 A4
3115 B5
3117 B5
3119 A6
3120 A6
3121 A5
3122 A5
3123 B4
3124 B4
3125 A5
3126 A6
3127 B6
3128 B6
3200 C8
3201 C8
3202 B7
3203 B7
3204 A6
3205 C6
3206 B8
3207 C8
3208 B8
3209 B8
3210 B7
3211 B6
3213 A8
3214 C8
4010 A2
4011 C3
4012 C3
4014 B2
4015 A2
4018 B3
4019 B2
4020 B2
4021 A2
4040 A2
4041 A3
4042 B1
4100 B5
4101 A6
4102 B5
4104 B6
4105 B6
4107 A4
4108 A4
4201 B8
4204 C8
4205 B7
5010 B3
5035 A2
5036 A1
5037 B2
5038 B1
5039 B1
5042 B2
5100 C4
5101 C5
5102 B5
5103 B6
5104 A5
5105 A6
6037 B1
6038 B1
6039 C1
6040 A1
6041 B1
6042 B1
6043 C1
6101 C4
6102 C4
6103 C4
6104 C5
6106 A4
6107 A4
6108 A6
6109 B6
7000 A2
7030 B1
7031 C1
7035 A1
7040 B1
7100 B5
7101 B5
7102 B5
7103 B4
7104 A6
7200 B7
7220 B8
7232 C8
9000 A1
9001 A3
9011 A1
9012 C1
9013 C2
9014 C2
9015 C2
9016 A3
9021 C3
9022 C3
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9104 A6
9200 C5
9201 C6
9202 A7
9204 C8

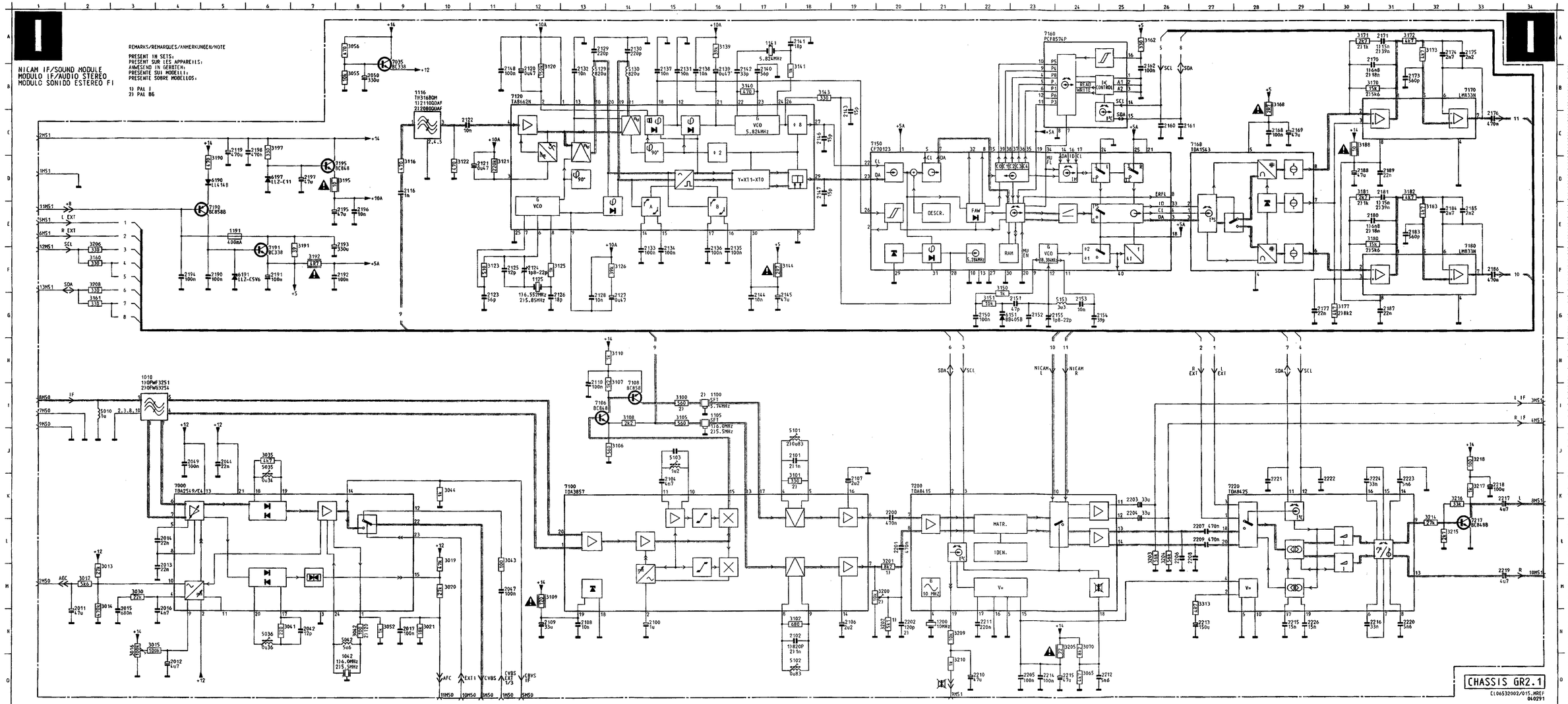
STEREO IF/SOUND MODULE
MODULO IF/AUDIO STEREO
MODULO SONIDO ESTEREO FI

REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) MULTI
2) NON MULTI

CHASSIS GR2.1

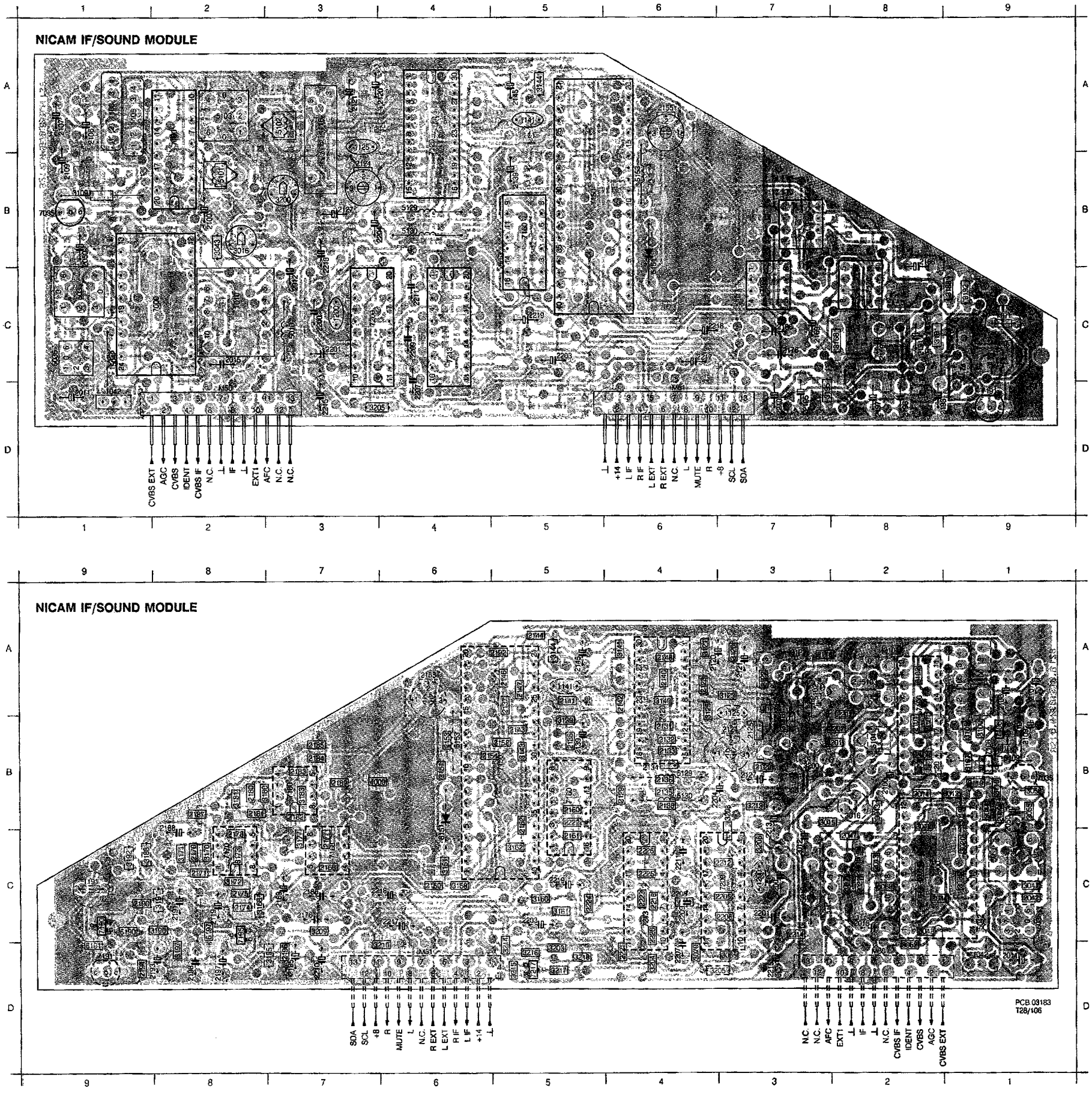
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NICAM IF/sound module / NICAM ZF/Tonmodul / Module FI/son NICAM



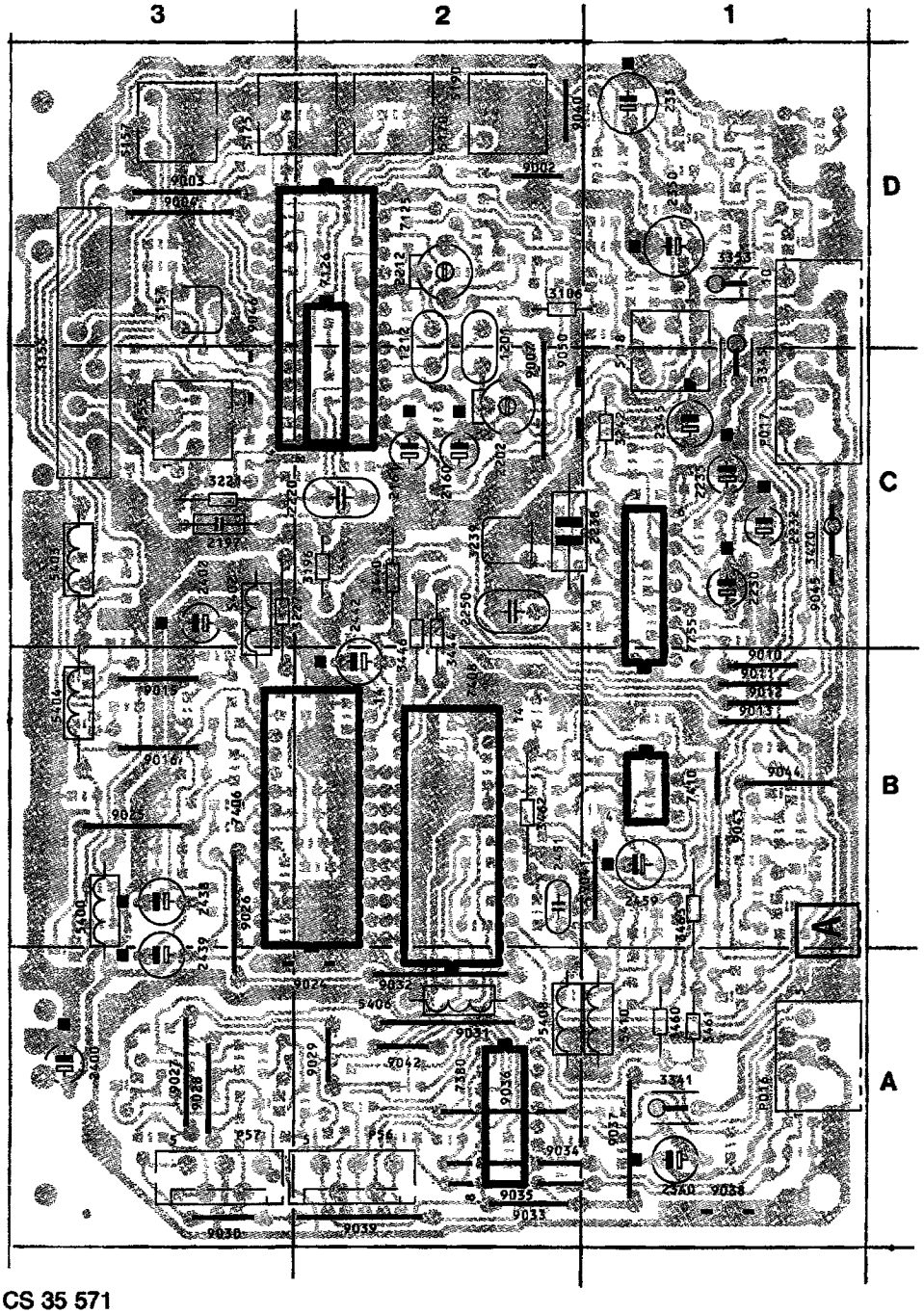
NICAM IF/sound module / NICAM ZF/Tonmodul / Module FI/son NICAM

CHASSIS GR2.1 | 6.45 | 6.46 | CHASSIS GR2.1



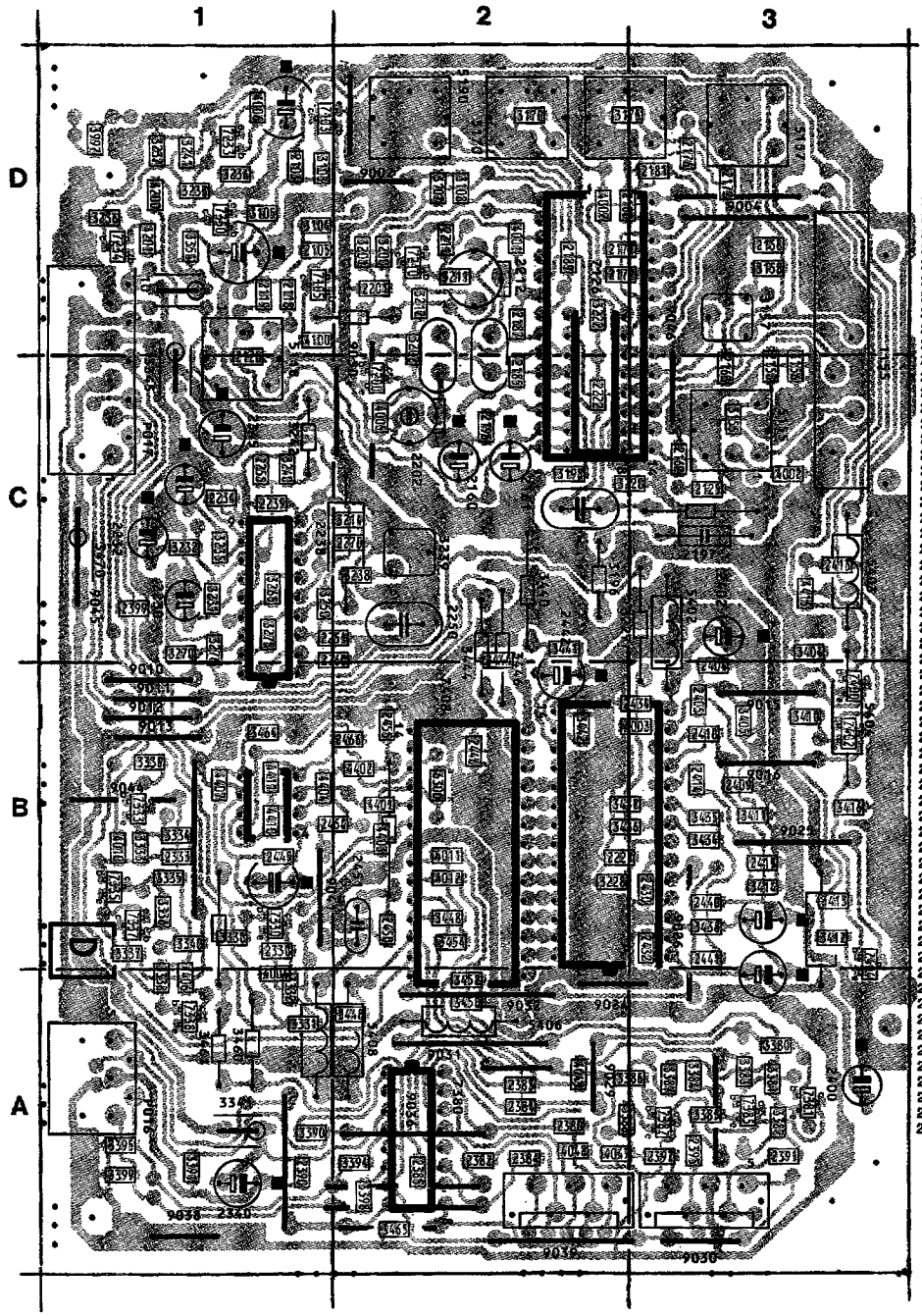
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M51	D8	3016	B2
1010	C2	3019	B1
1042	D1	3020	C1
1100	A1	3021	C2
1105	A1	3030	C2
1116	A3	3035	C1
1125	A3	3041	C1
1141	A5	3042	C2
1191	C9	3043	B2
1200	C3	3044	B1
2011	D1	3052	D2
2012	C3	3055	B1
2013	C2	3056	B1
2014	C2	3065	D3
2015	C2	3070	D4
2016	C2	3100	B1
2017	C2	3101	B2
2042	C1	3102	A2
2044	C1	3105	B1
2047	C2	3106	B1
2049	B1	3107	B1
2050	B1	3108	B1
2100	B2	3109	B1
2101	B2	3110	B1
2102	B3	3116	B3
2104	A2	3120	A3
2106	A1	3121	A4
2107	A1	3122	A3
2108	B2	3123	A3
2109	B1	3125	B4
2110	B1	3126	B3
2116	A2	3139	B5
2119	C8	3140	A4
2120	A4	3141	A4
2121	A3	3143	B5
2122	A3	3144	A5
2123	A4	3150	C6
2124	B3	3151	C6
2125	B3	3160	C5
2126	A3	3161	C5
2127	B3	3162	C5
2128	B3	3168	C8
2129	B4	3170	C8
2130	B4	3171	C8
2131	B4	3172	C8
2132	B4	3173	C8
2133	B4	3177	C7
2134	B4	3180	B8
2135	B4	3181	B8
2136	B4	3182	B7
2137	A5	3183	B7
2138	B5	3188	C9
2139	B5	3190	C8
2140	A4	3191	C8
2141	A5	3192	C9
2142	A4	3195	D7
2143	B5	3197	D8
2144	A5	3200	B3
2145	A5	3201	B2
2146	A5	3202	B2
2147	A5	3203	D5
2148	A4	3204	D4
2150	C6	3205	D3
2151	B6	3206	C3
2152	B5	3208	B3
2153	B6	3209	C7
2154	B5	3210	D6
2155	A6	3213	B3
2160	B5	3214	D5
2161	C5	3215	D5
2162	C5	3216	D5
2168	C7	3217	D5
2169	C7	3218	D5
2170	C8	4000	B6
2171	C8	5010	C3
2173	C8	5035	C1
2174	C8	5036	C1
2175	C8	5042	C1
2176	C7	5101	B2
2177	C7	5102	A3
2180	B8	5103	A2
2181	B8	5129	B4
2183	B7	5130	B4
2184	B7	5153	B6
2185	B7	6151	C6
2186	C7	6190	C9
2187	B8	6191	D9
2188	B8	6197	C8
2189	B7	7000	C2
2190	C9	7035	B1
2191	C8	7100	A2
2192	A5	7106	B1
2193	D9	7108	B1
2194	D9	7120	B4
2195	D7	7150	B5
2196	D7	7160	B5
2197	D8	7168	C7
2198	D8	7170	C8
2200	C3	7180	B7
2201	C3	7190	D9
2202	A2	7191	D9
2203	C5	7195	C8
2204	B4	7200	C3
2205	C3	7213	C4
2206	C3	7217	D5
2207	D4		
2208	C4		
2209	C4		
2210	D7		
2211	C4		
2212	C3		
2213	C3		
2214	C3		
2215	D3		
2216	C4		
2217	C6		
2218	C6		
2219	C5		
2220	C4		
2221	D4		
2222	B5		
2223	C4		
2224	C5		
2225	C4		
2226	C4		
3012	B2		
3013	B1		
3014	B2		

PIP module / PIP-Modul / Module PIP

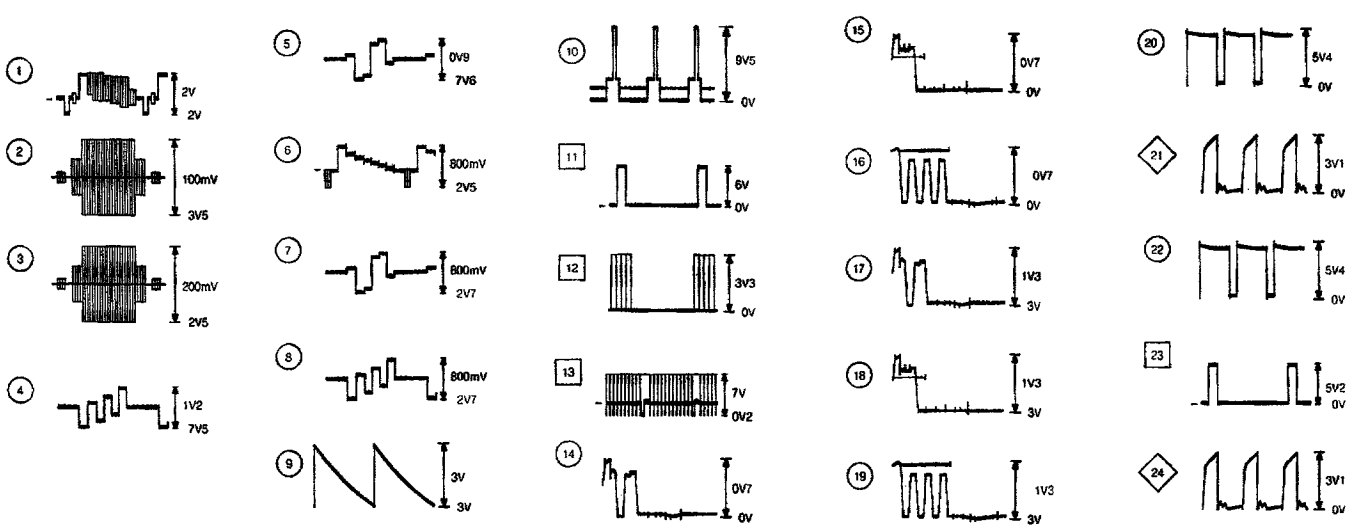


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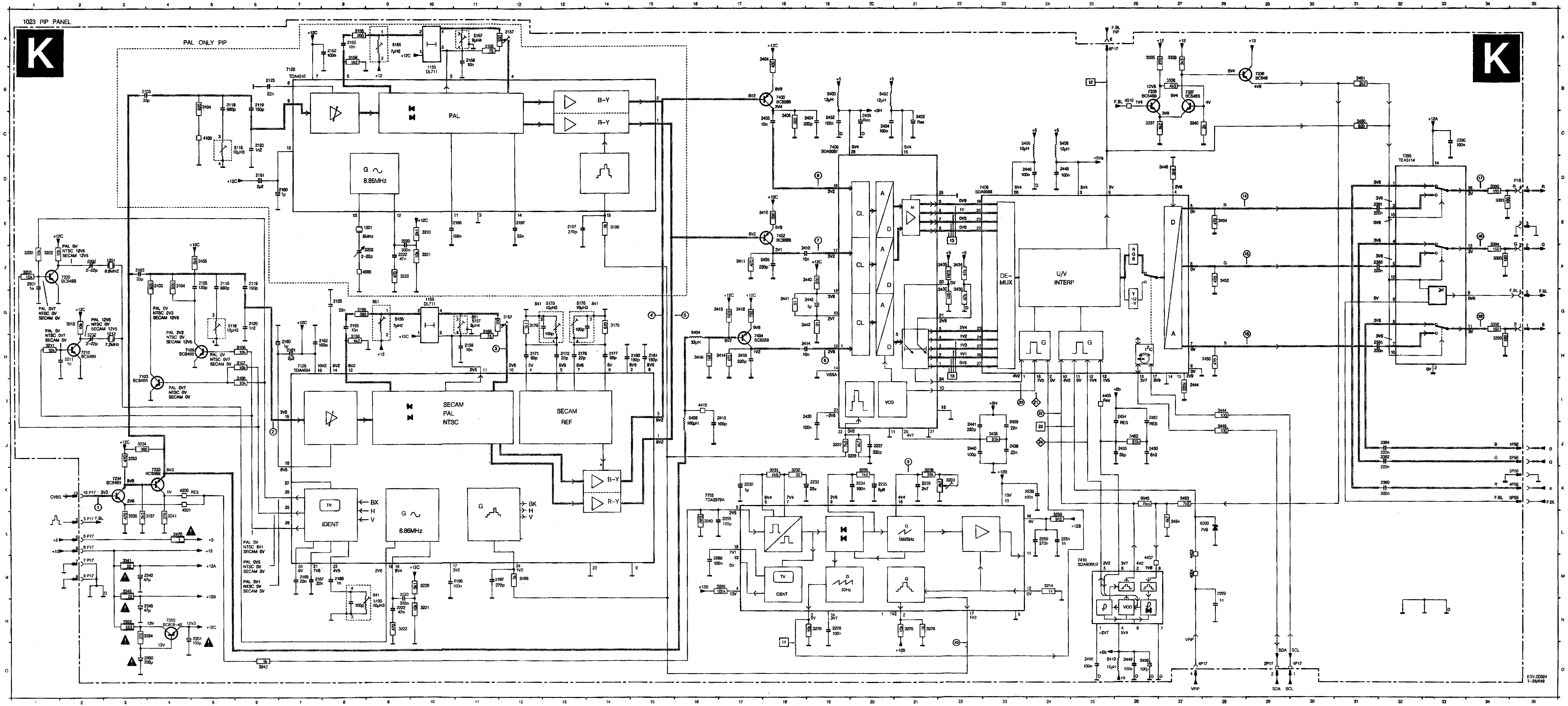
1155 C3
1201 D2
1212 D2
2103 D1
2105 D1
2118 D1
2119 D1
2120 D1
2125 C3
2155 C3
2158 D3
2160 C2
2161 C2
2162 C3
2163 C3
2171 D2
2172 D2
2176 D3
2177 D3
2180 D2
2181 D3
2185 C2
2187 D2
2189 D2
2196 C2
2197 C3
2201 D2
2202 C2
2211 D2
2212 D2
2220 C2
2222 C2
2227 B2
2230 C1
2232 C1
2234 C1
2235 C1
2238 C2
2239 C1
2250 C2
2251 C1
2255 C1
2260 C1
2270 C2
2330 B1
2333 B1
2340 A1
2345 C1
2350 D1
2351 D1
2380 A2
2381 A2
2382 A2
2383 A2
2384 A2
2385 A2
2390 A1
2391 A3
2395 A3
2397 A3
2399 C1
2400 A3
2402 C3
2404 B3
2405 B3
2409 B3
2410 B3
2413 C3
2414 B3
2415 B3
2430 B3
2432 B3
2434 B2
2438 B3
2439 A3
2440 B3
2441 B3
2442 B2
2444 C2
2446 B2
2448 A2
2449 B1
2450 B2
2451 B2
2454 B1
2455 B2
2459 B1
2466 B2
3103 D1
3104 D1
3105 D1
3106 D2
3107 D2
3108 D2
3155 C3
3166 C3
3157 D3
3158 D3
3170 D2
3175 D2
3195 C2
3196 C2
3200 D2
3201 D2
3202 D2
3211 D2
3212 D2
3214 C2
3220 C2
3221 C3
3222 D2
3227 C3
3228 B2
3231 C1
3232 C1
3233 D1
3234 D1
3235 C1
3236 D1
3237 D1
3238 C2
3239 C2
3240 C1
3241 D1
3242 C1
3250 C1
3265 C1
3270 C1
3275 C1
3276 C1
3330 B1
3331 A1
3332 A1
3333 B1
3334 B1
3335 B1
3336 B1
3337 B1
3338 A1
3339 B1
3340 B1
3341 A1
3345 C1
3353 D1
3354 D1
3380 A3
3381 A3
3382 A3
3383 A3
3384 A3
3385 A3
3386 A2
3387 A3
3388 A2
3390 A1
3391 A1
3394 A2
3395 A1
3398 A2
3389 A1
3404 C3
3405 B3
3410 B3
3411 B3
3412 B3
3413 B3
3414 B3
3416 B3
3434 B3
3435 B3
3436 B2
3437 B2
3438 B3
3440 C2
3441 C2
3442 B2
3444 C2
3446 C2
3448 B2
3450 A2
3452 A2
3454 B2
3460 A1
3461 A1
3462 B2
3463 B1
3464 B1
3465 A2
3470 C1
3997 D1
4001 D2
4002 C3
4003 B2
4004 A1
4005 C2
4006 D1
4007 D2
4010 B1
4011 B2
4012 B2
4047 A2
4048 A2
4049 A2
4100 D1
4200 D1
4201 D1
4401 B2
4402 B2
4403 B2
4404 B1
4406 A1
4407 B1
4410 B1
4411 B1
4415 C3
5118 D1
5155 C3
5157 D3
5170 D2
5175 D2
5190 D2
5400 B3
5402 C3
5403 C3
5404 B3
5408 A2
5408 A2
5410 A1
6300 B2
7103 D1
7105 D1
7125 D3
7126 D2
7200 C2
7210 D2
7233 D1
7234 D1
7330 B1
7333 B1
7335 B1
7337 B1
7338 A1
7350 D1
7380 A2
7381 A3
7385 A3
7387 A3
7400 B3
7402 B3
7404 B3
7406 B2
7408 A2
7410 B1
7755 B1
9002 D2
9003 D3
9004 D3
9007 C2
9010 B1
9011 B1
9012 B1
9013 B1
9015 B3
9016 B3
9024 A2
9025 B3
9026 B3
9027 A3
9028 A3
9029 A2
9030 A3
9031 A2
9032 A2
9033 A2
9034 A2
9035 A2
9036 A2
9037 A1
9038 A1
9039 A2
9040 D2
9041 B1
9042 A2
9043 B1
9044 B1
9045 C1
9046 C3
9050 C2
P016 A1
P017 C1
P56 A2
P57 A3



1155 C3	2404 B3	3265 C1	3997 D1	7410 B1
1201 D2	2405 B3	3270 C1	4001 D2	7755 B1
1212 D2	2409 B3	3275 C1	4002 C3	9002 D2
2103 D1	2410 B3	3276 C1	4003 B2	9003 D3
2105 D1	2413 C3	3330 B1	4004 A1	9004 D3
2118 D1	2414 B3	3331 A1	4005 C2	9007 C2
2119 D1	2415 B3	3332 A1	4006 D1	9010 B1
2120 D1	2430 B3	3333 B1	4007 D2	9011 B1
2125 C3	2432 B3	3334 B1	4010 B1	9012 B1
2155 C3	2434 B2	3335 B1	4011 B2	9013 B1
2158 D3	2438 B3	3336 B1	4012 B2	9015 B3
2160 C2	2439 A3	3337 B1	4047 A2	9016 B3
2161 C2	2440 B3	3338 A1	4048 A2	9024 A2
2162 C3	2441 B3	3339 B1	4049 A2	9025 B3
2163 C3	2442 B2	3340 B1	4100 D1	9026 B3
2171 D2	2444 C2	3341 A1	4200 D1	9027 A3
2172 D2	2446 B2	3345 C1	4201 D1	9028 A3
2176 D3	2448 A2	3353 D1	4401 B2	9029 A2
2177 D3	2449 B1	3354 D1	4402 B2	9030 A3
2180 D2	2450 B2	3360 A3	4403 B2	9031 A2
2181 D3	2451 B2	3381 A3	4404 B1	9032 A2
2185 C2	2454 B1	3382 A3	4406 A1	9033 A2
2187 D2	2455 B2	3383 A3	4407 B1	9034 A2
2189 D2	2459 B1	3384 A3	4410 B1	9035 A2
2196 C2	2466 B2	3385 A3	4411 B1	9036 A2
2197 C3	3103 D1	3386 A2	4415 C3	9037 A1
2201 D2	3104 D1	3387 A3	5118 D1	9038 A1
2202 C2	3105 D1	3388 A2	5155 C3	9039 A2
2211 D2	3106 D2	3390 A1	5157 D3	9040 D2
2212 D2	3107 D2	3391 A1	5170 D2	9041 B1
2220 C2	3108 D2	3394 A2	5175 D2	9042 A2
2222 C2	3155 C3	3395 A1	5190 D2	9043 B1
2227 B2	3156 C3	3398 A2	5400 B3	9044 B1
2230 C1	3157 D3	3399 A1	5402 C3	9045 C1
2232 C1	3158 D3	3404 C3	5403 C3	9046 C3
2234 C1	3170 D2	3405 B3	5404 B3	9050 C2
2235 C1	3175 D2	3410 B3	5406 A2	P016 A1
2238 C2	3195 C2	3411 B3	5408 A2	P017 C1
2239 C1	3196 C2	3412 B3	5410 A1	P56 A2
2250 C2	3200 D2	3413 B3	6300 B2	P57 A3
2251 C1	3201 D2	3414 B3	7103 D1	
2255 C1	3202 D2	3416 B3	7105 D1	
2260 C1	3211 D2	3434 B3	7125 D3	
2270 C2	3212 D2	3435 B3	7126 D2	
2330 B1	3214 C2	3436 B2	7200 C2	
2333 B1	3220 C2	3437 B2	7210 D2	
2340 A1	3221 C3	3438 B3	7233 D1	
2345 C1	3222 D2	3440 C2	7234 D1	
2350 D1	3227 C3	3441 C2	7330 B1	
2351 D1	3228 B2	3442 B2	7333 B1	
2380 A2	3231 C1	3444 C2	7335 B1	
2381 A2	3232 C1	3446 C2	7337 B1	
2382 A2	3233 D1	3448 B2	7338 A1	
2383 A2	3234 D1	3450 A2	7350 D1	
2384 A2	3235 C1	3452 A2	7380 A2	
2385 A2	3236 D1	3454 B2	7381 A3	
2390 A1	3237 D1	3460 A1	7385 A3	
2391 A3	3238 C2	3461 A1	7387 A3	
2395 A3	3239 C2	3462 B2	7400 B3	
2397 A3	3240 C1	3463 B1	7402 B3	
2399 C1	3241 D1	3464 B1	7404 B3	
2400 A3	3242 C1	3465 A2	7406 B2	
2402 C3	3250 C1	3470 C1	7408 A2	



PIP module / PIP-Modul / Module PIP



1155	B10	3275	N21
1155	G10	3276	N21
1201	E9	3335	A26
1201	F3	3336	B27
1212	H3	3337	C26
2103	B4	3338	A27
2103	F3	3340	C27
2105	F5	3341	M3
2118	B5	3345	M3
2118	F5	3353	N3
2119	B6	3354	N3
2119	F6	3390	D34
2120	C6	3391	E34
2120	G6	3394	F34
2125	B6	3395	F34
2125	G8	3398	G34
2155	A8	3399	H34
2155	G8	3404	A18
2158	A11	3405	C18
2158	H11	3410	E18
2160	D7	3411	F17
2160	H7	3412	G17
2161	D6	3413	G17
2161	H7	3414	H17
2162	A8	3416	H16
2162	H8	3434	F22
2171	H12	3435	F22
2172	H13	3436	G22
2176	H13	3437	G22
2177	H14	3438	J23
2180	H15	3440	F19
2181	H15	3441	G18
2185	M7	3442	G19
2187	E12	3444	I28
2187	M7	3446	J28
2189	M8	3448	D27
2196	E11	3450	H28
2196	M11	3452	F28
2197	E12	3454	E28
2197	M12	3460	C31
2201	F1	3461	B31
2202	F2	3462	J26
2202	F9	3463	K27
2211	H2	3464	L27
2212	H2	3470	L4
2220	E9	4004	M27
2220	M9	4005	F9
2222	F9	4010	B26
2222	N9	4100	C5
2227	J20	4200	K4
2230	K17	4201	K4
2232	K19	4403	M27
2234	K20	4405	I25
2235	K20	4407	M26
2238	K21	4415	I16
2239	K24	5118	C6
2250	L24	5118	G5
2251	L24	5155	A9
2255	L17	5155	G9
2260	M18	5157	A11
2270	N19	5157	G11
2340	M3	5170	G13
2345	N3	5175	G13
2350	O3	5190	N9
2351	N5	5400	B19
2380	K32	5402	B20
2381	E32	5403	I16
2382	J32	5404	G16
2383	F32	5406	C24
2384	J32	5408	C24
2385	H32	5410	O25
2390	C33	6300	L28
2399	M28	7103	H4
2400	C20	7105	H5
2402	C21	7125	H7
2404	C19	7126	B7
2405	C18	7200	F2
2409	F18	7210	H2
2410	F19	7233	K4
2413	I17	7234	K3
2414	H19	7335	B26
2415	H17	7337	B27
2430	I19	7338	B29
2432	C19	7350	N4
2434	C20	7380	O32
2438	J23	7400	B18
2439	J23	7402	E18
2440	J22	7404	H17
2441	J22	7406	C19
2442	G19	7408	D23
2444	I27	7410	M25
2446	D24	7755	K16
2448	D24	9045	K26
2449	O26		
2450	J26		
2451	I26		
2454	I26		
2455	J26		
2459	O26		
2466	O25		
3103	F4		
3104	B5		
3104	F4		
3105	F5		
3106	H6		
3107	H6		
3108	I6		
3155	A8		
3156	G8		
3156	A8		
3156	H8		
3157	A12		
3157	G12		
3158	A11		
3158	G11		
3170	G12		
3175	G14		
3196	E14		
3196	M12		
3200	F1		
3201	F1		
3202	F1		
3211	H1		
3212	G2		
3214	M24		
3220	E10		
3220	M10		
3221	F10		
3221	N10		
3222	F9		
3222	N9		
3227	J19		
3228	J20		
3231	K18		
3232	K18		
3233	J3		
3234	J3		
3235	K20		
3236	L3		
3237	L3		
3238	K21		
3239	K22		
3240	L16		
3241	L4		
3242	O6		
3250	L24		
3265	M17		
3270	N19		

7.1 CHASSIS GR2.1

Electrical settings

Setting conditions.

All electrical settings should be made under the following conditions:

- supply voltage: 220 - 240 V ± 10%; 50 Hz ± 5%
- warming-up time ≈ 10 minutes
- the voltages and oscillograms have been measured with regard to tuner earth.
- measuring probe: Ri > 10 MΩ; Ci < 2.5 pF.

1. Settings on the carrier board

1.1 +148V/+95V supply voltage

Connect a voltmeter over C2631.
Using R3635, set the supply voltage to +148V ± 0.5V for 25" and 28" units or to 95V ± 0.5V for 21" units.

1.2 Focusing

This is set using the focusing potentiometer (on the top of the line output transformer).

1.3 Vg2 setting

Connect a pattern generator and supply a blanking frame signal (black picture). Switch the unit to the service default mode (see section 9).
Connect an oscilloscope to the emitters of transistors 7304 and 7364 on the picture tube module. Set the oscilloscope to frame frequency. Measure the DC voltage level of the measuring pulses (see Fig. 7.2). Using the Vg2 potentiometer on the line output transformer, set the measuring pulse with the lowest DC voltage level to:

* +153V ± 5V for 25" and 28" blackline units (protected high-voltage cable)
* +130V ± 5V for 28" non-blackline units
* +118V ± 5V for 25" non-blackline units
* +120V ± 5V for 21" units.

1.4 Horizontal synchronization

Connect pin 5-IC7470 to pin 9-IC7470.
Supply an aerial signal and tune the set.
Adjust potentiometer 3457 until the picture is straight.
Remove the interconnection.

1.5 Horizontal centring

Set using potentiometer 3461.

1.6 Picture width

Set using potentiometer 3525.

1.7 Vertical centring

Set using potentiometer 3516.

1.8 Picture height

Set using potentiometer 3504.

1.9 East/West correction

Set using potentiometer 3521. This setting is only for 25" and 28" units.

1.10 Chroma bandpass filte

a. Setting for PAL/SECAM

Connect a signal generat
pin 20 of the euroconnec
frequency to 4.286 MHz/
to EXT1. Connect pin 27-
(+12V). Connect an oscill
Set 5301 to maximum am
Remove the interconnecti

b. Setting for PAL sets (TD

Connect a signal generat
pin 20 of the euroconnec
frequency to 4.43 MHz. C
Connect an oscilloscope
Set 5301 to maximum am

1.11 Chroma auxiliary oscil

Connect a pattern genera
colour bar pattern. Conne
(TDA4510) or pin 17-IC7
Set 2313 so that the colo
practically stopped. Remo

1.12 SECAM demodulators (TDA4650)

Connect a pattern genera
black pattern. Connect ar
pin 1-IC7306. Set 5304 t
Connect the oscilloscope
to minimum amplitude.

1.13 White balance

Connect a pattern genera
picture. Switch on the se
and select "WHITE BALA
Set the values of "GREEN
required white balance is

1.14 Peak white limit

Switch on the service me
select "WHITE BALANCE
Set "WHITE LIMIT" to the
- 23 for blackline units
- 53 for non-blackline u
- 53 for 21" units.

1.15 Cut-off points of the p

Connect a pattern genera
picture. Switch on the se
"CUT OFF". Switch on "D
Set "RED", "GREEN" and
respective guns give no

1.16 Options

Switch on the service me
or "OPTION 2".
Switch the options "ON"
whether the following op
- "PIP" on a PIP set
- "2ND SCART" on a se
- "TELETEXT" on a tele
- "AUTO STORE" for th
in the installation men
- "SVHS" for the Y/C cc
- "MULTI SYSTEM" for
- "HYPERBAND" for a t
to the frequency band
- "UHF ONLY" for a tun
to the UHF band
- "NICAM TWIN" for ste
receive NICAM sound

al settings

1.10 Chroma bandpass filter

a. Setting for PAL/SECAM sets (TDA4650)

Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.286 MHz/0.2 Vpp. Switch the unit to EXT1. Connect pin 27-IC7306 to pin 13-IC7306 (+12V). Connect an oscilloscope to pin 15-IC7306. Set 5301 to maximum amplitude.
Remove the interconnection.

b. Setting for PAL sets (TDA4510)

Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.43 MHz. Connect the unit to EXT1. Connect an oscilloscope to pin 9-IC7305. Set 5301 to maximum amplitude.

1.11 Chroma auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7305 (TDA4510) or pin 17-IC7306 (TDA4650) to earth. Set 2313 so that the colour on the screen has practically stopped. Remove the interconnection.

1.12 SECAM demodulators for PAL/SECAM sets (TDA4650)

Connect a pattern generator and supply a SECAM black pattern. Connect an oscilloscope to pin 1-IC7306. Set 5304 to minimum amplitude. Connect the oscilloscope to pin 3-IC7306. Set 3312 to minimum amplitude.

1.13 White balance

Connect a pattern generator and select a white picture. Switch on the service menu (see section 9) and select "WHITE BALANCE".
Set the values of "GREEN" and "BLUE" so that the required white balance is achieved.

1.14 Peak white limit

Switch on the service menu (see section 9) and select "WHITE BALANCE".
Set "WHITE LIMIT" to the value:
- 23 for blackline units
- 53 for non-blackline units
- 53 for 21" units.

1.15 Cut-off points of the picture tube

Connect a pattern generator and select a black picture. Switch on the service menu and select "CUT OFF". Switch on "DISABLE" ("ON").
Set "RED", "GREEN" and "BLUE" until the respective guns give no more light on the screen.

1.16 Options

Switch on the service menu and select "OPTION 1" or "OPTION 2".
Switch the options "ON" and "OFF" according to whether the following options are present:
- "PIP" on a PIP set
- "2ND SCART" on a set with two euroconnectors
- "TELETEXT" on a teletext set
- "AUTO STORE" for the automatic tuning facility in the installation menu
- "SVHS" for the Y/C connector in mono sets
- "MULTI SYSTEM" for multisystem sets
- "HYPERBAND" for a tuner which can be tuned to the frequency band of 300 MHz to 450 MHz
- "UHF ONLY" for a tuner which can only be tuned to the UHF band
- "NICAM TWIN" for stereo sets which can also receive NICAM sound.

2. Settings on the IF/sound module

2.1 AFC and the picture demodulator

a. Setting for multisystem units

Connect a signal generator (e.g. PM 5326) via a capacitor of 5p6 to pin 17 of the tuner and set its frequency to 33.4 MHz for mono sets or to 33.95 MHz for stereo sets. Modulate (AM) the signal with, for example, 1kHz.
Tune mono sets to VHF1 band at a tuning voltage of approximately 5V at pin 11 of the tuner. The "search" (selection B of the manual installation menu) can be stopped by selecting menu selection C "programme".
Set stereo sets to a tuning frequency of 45 MHz. Select system France.
AFC: using 5036 set the voltage at pin 15-IC7000 to 6V (DC).
Picture demodulator: set 5035 to a maximum (undistorted) signal at pin 22-IC7000.
Then set the frequency of the signal generator to 38.9 MHz. Select system Europe on the set.
AFC: using 5038 set the voltage at pin 15-IC7000 to 6V (DC).
Picture demodulator: set 5037 to a maximum (undistorted) signal at pin 22-IC7000.
Adjacent channel suppression (mono sets):
Then set the frequency of the signal generator to 33.4 MHz. Place pin 9-IC7000 at a fixed voltage of +1V using a laboratory supply. Tune the set to the UHF band and select system France.
Set 5005 to a minimum signal at pin 22-IC7000.

b. Setting for single-system units

Connect a signal generator (e.g. PM 5326) via a capacitor of 5p6 to pin 17 of the tuner and set its frequency to 38.9 MHz. Modulate (AM) the signal with, for example, 1kHz.
AFC: using 5036 set the voltage at pin 15-IC7000 to 6V (DC).
Picture demodulator: set 5035 to a maximum (undistorted) signal at pin 22-IC7000.

2.2 RF-AGC

If the picture from a strong local transmitter is distorted, adjust 3016 until the picture is not distorted.

2.3 MF-AGC (Multisystem units)

Connect a pattern generator and supply a SECAM-L colour bar signal. Connect an oscilloscope to pin 22-IC7000. Set the amplitude of the video signal with 3048 to 1.7 Vpp for stereo units or to 1.8 Vpp for mono units.

2.4 AM-IF sound filter (Multisystem units)

Connect a signal generator (e.g. PM 5326) via a capacitor of 5p6 to pin 17 of the tuner and set its frequency to 30.9 MHz. Modulate (AM) the signal with 1kHz, for example. Tune the unit to UHF band and select system France. Connect an oscilloscope to pin 9-IC7100 and set 5100 to minimum amplitude.
Place pin 3-IC7100 on a fixed voltage of +2V using a laboratory supply.
Set the frequency of the generator to 32.4 MHz and set 5101 and 5102 to maximum amplitude.

ıe IF/sound module

:ture demodulator
system units
ıenerator (e.g. PM 5326) via a
› pin 17 of the tuner and set its
MHz for mono sets or to
reo sets. Modulate (AM) the
ımple, 1kHz.
› VHF1 band at a tuning voltage
V at pin 11 of the tuner. The
B of the manual installation
›ped by selecting menu selection

a tuning frequency of 45 MHz.
ıce.
et the voltage at pin 15-IC7000

:or: set 5035 to a maximum
l at pin 22-IC7000.
ency of the signal generator to
system Europe on the set.
et the voltage at pin 15-IC7000

:or: set 5037 to a maximum
l at pin 22-IC7000.
suppression (mono sets):
ency of the signal generator to
›in 9-IC7000 at a fixed voltage of
ıtory supply. Tune the set to the
ect system France.
mum signal at pin 22-IC7000.

system units
ıenerator (e.g. PM 5326) via a
› pin 17 of the tuner and set its
MHz. Modulate (AM) the signal
1kHz.
et the voltage at pin 15-IC7000

:or: set 5035 to a maximum
l at pin 22-IC7000.

a strong local transmitter is
016 until the picture is not

stem units)
generator and supply a
›ar signal. Connect an
› 22-IC7000. Set the amplitude of
ith 3048 to 1.7 Vpp for stereo
› for mono units.

:er (Multisystem units)
ıenerator (e.g. PM 5326) via a
› pin 17 of the tuner and set its
MHz. Modulate (AM) the signal
mple. Tune the unit to UHF band
France. Connect an oscilloscope
ıd set 5100 to minimum

› on a fixed voltage of +2V using
y.
of the generator to 32.4 MHz
5102 to maximum amplitude.

2.5 IF sound demodulator (stereo and NICAM units)
Connect a signal generator (e.g. PM 5326) via a capacitor of 5p6 to pin 17 of the tuner and set its frequency to 38.9 MHz. Modulate (AM) the signal with 1kHz, for example. Connect an oscilloscope to pin 17-IC7100 (TDA3856) or pin 16-IC7101 (TDA3856) and set 5104 to minimum amplitude.

2.6 5.5 MHz or 6.0 MHz FM sound demodulator
Connect a pattern generator and supply a PAL signal with FM mono sound. Set 5105 (mono and stereo units) or 5102 (NICAM units) to maximum sound reproduction.

2.7 5.742 MHz FM sound demodulator (stereo and NICAM units)
Connect a pattern generator and supply a PAL BG signal with two-language sound. Select language II on the unit with the remote control.
Set 5103 (stereo units) or 5101 (NICAM units) to maximum sound reproduction.

2.8 Stereo matrix (stereo and NICAM units)
Connect a pattern generator and supply a PAL BG signal with stereo sound. Select only the right-hand channel sound. Set the balance of the unit completely to the left.
Set 3204 (stereo units) or 3200 (NICAM units) to minimum sound reproduction.

2.9 NICAM demodulator (NICAM units)
Connect a pattern generator and supply a PAL signal with NICAM sound. Connect the X-input of the oscilloscope to pin 19-IC7120. Connect the Y-input of the oscilloscope to pin 20-IC7120. Set the oscilloscope to the X-Y position. Set the sensitivity of the oscilloscope to 1V/div AC. Set the X and Y position so that the cross pattern is in the centre of the oscilloscope picture.
Set 2124 on a straight cross pattern (see fig. 7.3).

2.10 "Sample" clock oscillator (NICAM units)
Connect a pattern generator and supply a PAL signal with NICAM sound. Connect an oscilloscope to pin 9-IC7150. Set the sensitivity of the oscilloscope to 1V/div and the time base to 2µs/div.
Set 2155 so that a symmetrical block wave is visible.

3. Setting on the teletext

Connect pin 22-IC7830 to earth
frequency counter to pin 17-IC
6000 MHz ± 30kHz.
Remove the interconnection.

4. Settings on the PIP mo

Setting conditions
Before making each setting, er
picture with the prescribed sig
screen and that the unit has re
temperature (after ≈ 10 min.).

4.1 Horizontal synchronization
Do not supply an aerial or gen
Connect pin 28-IC7125 to pin 1
TDA4554 is present (PAL selec
5-IC7755 to earth.
Measure the frequency at pin 1
3239 set it to 15.625 Hz ± 25
Remove the interconnection.

4.2 Chroma bandpass filter
a. Setting for PIP modules wit
Connect a signal generator (e.g
10 of P17 and set its frequenc
Vpp.
Connect pin 27-IC7125 to 13-IC
oscilloscope to pin 15-IC7125.
Set 5118 to maximum amplitud
Remove the interconnection.
b. Setting for PIP modules with T
Connect a signal generator (e.g
10 of P17 and set its frequenc
4.43 MHz/0.2Vpp.
Connect an oscilloscope to pin
Set 5118 to maximum amplitud

4.3 PAL chroma auxiliary oscill
Connect a pattern generator ar
colour bar pattern. Connect pir
(TDA4554) or pin 11-IC7126 (TI
Set 2202 so that the colour of
practically still.
Remove the interconnection.

4.4 NTSC chroma auxiliary osc
modules with TDA4554
Connect a pattern generator ar
M colour bar pattern. Connect
earth. Set 2202 so that the col
is practically still.
Remove the interconnection.

3. Setting on the teletext decoder

Connect pin 22-IC7830 to earth. Connect a frequency counter to pin 17-IC7830 and set 5803 to 6000 MHz ± 30kHz.
Remove the interconnection.

4. Settings on the PIP module

Setting conditions
Before making each setting, ensure that a PIP picture with the prescribed signal is visible on the screen and that the unit has reached its operating temperature (after ≈ 10 min.).

4.1 Horizontal synchronization

Do not supply an aerial or generator signal.
Connect pin 28-IC7125 to pin 13-IC7125 if TDA4554 is present (PAL selection). Connect pin 5-IC7755 to earth.
Measure the frequency at pin 17-IC7755 and using 3239 set it to 15.625 Hz ± 25 Hz.
Remove the interconnection.

4.2 Chroma bandpass filter

a. Setting for PIP modules with TDA4554

Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.286 MHz/0.2 Vpp.
Connect pin 27-IC7125 to 13-IC7125. Connect an oscilloscope to pin 15-IC7125.
Set 5118 to maximum amplitude.
Remove the interconnection.

b. Setting for PIP modules with TDA4510

Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.43 MHz/0.2Vpp.
Connect an oscilloscope to pin 9-IC7126.
Set 5118 to maximum amplitude.

4.3 PAL chroma auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) or pin 11-IC7126 (TDA4510) to earth.
Set 2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

4.4 NTSC chroma auxiliary oscillator for PIP modules with TDA4554

Connect a pattern generator and supply an NTSC M colour bar pattern. Connect pin 17-IC7125 to earth. Set 2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

4.5 Delay line

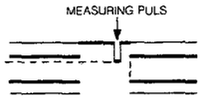
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7125 (TDA4554) or pin 1-IC7126 (TDA4510). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554) or pin 2-IC7126 (TDA4510). Set the oscilloscope to the X-Y position.
Set 5155 and 5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

4.6 SECAM identification for PIP modules with TDA4554

Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 to pin 13-IC7125.
Connect an oscilloscope to pin 21-IC7125.
Set 5190 to minimum DC level.
Remove the interconnection.

4.7 SECAM demodulators for PIP modules with TDA4554

Connect a pattern generator and supply a SECAM signal without contents (black). Connect pin 27-IC7125 to pin 13-IC7125. Connect an oscilloscope to pin 1-IC7125. Using 5175, set the DC level during the scan equal to the DC level during the flyback.
In the same way set 5170, but now measure at pin 3-IC7125.
Remove the interconnection.



PRS 06772
T-26/034

Fig. 7.1

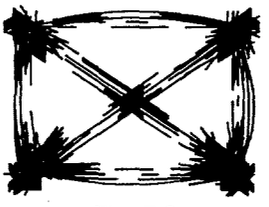


Fig. 7.2

MDA.01468
T28/826

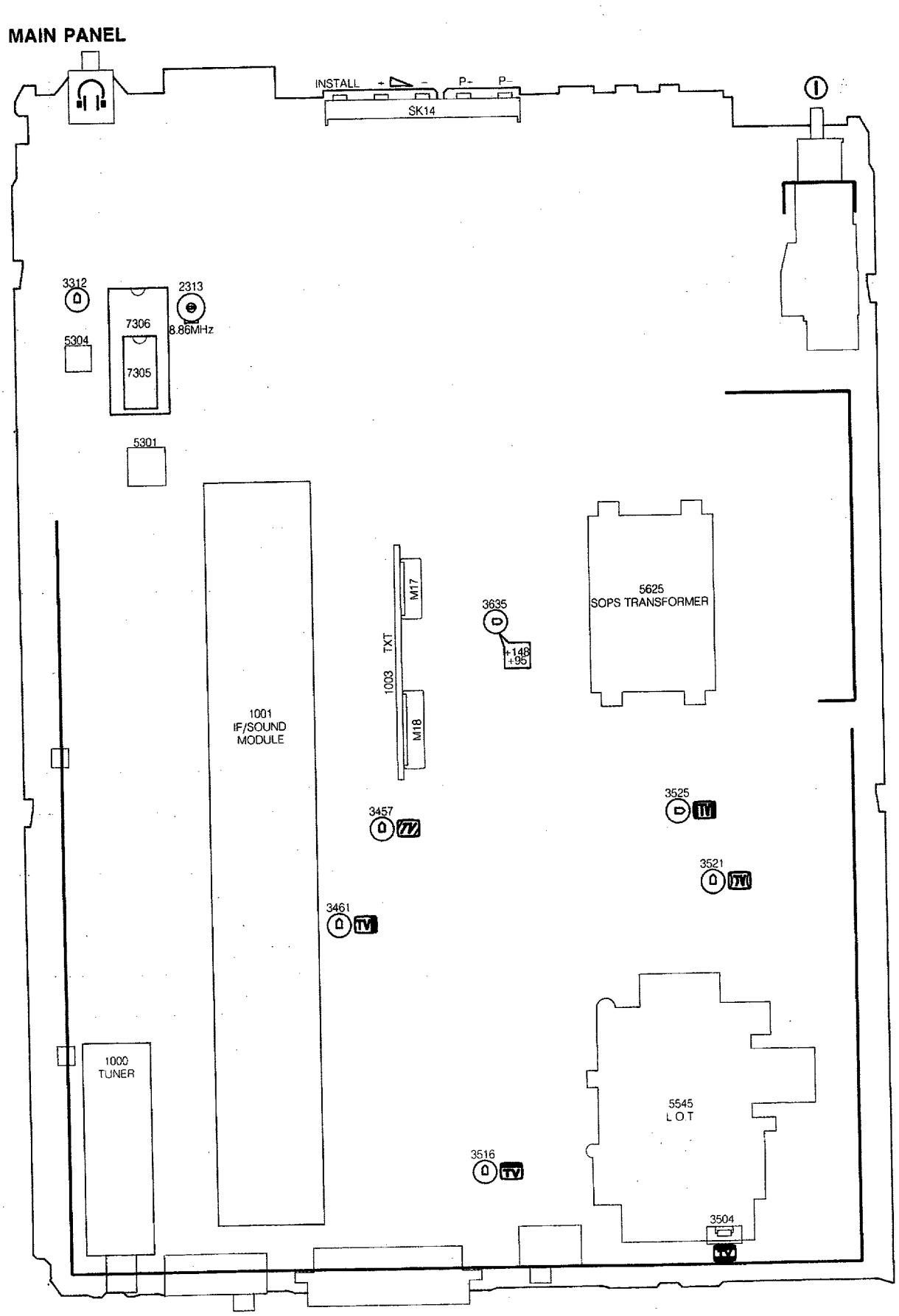
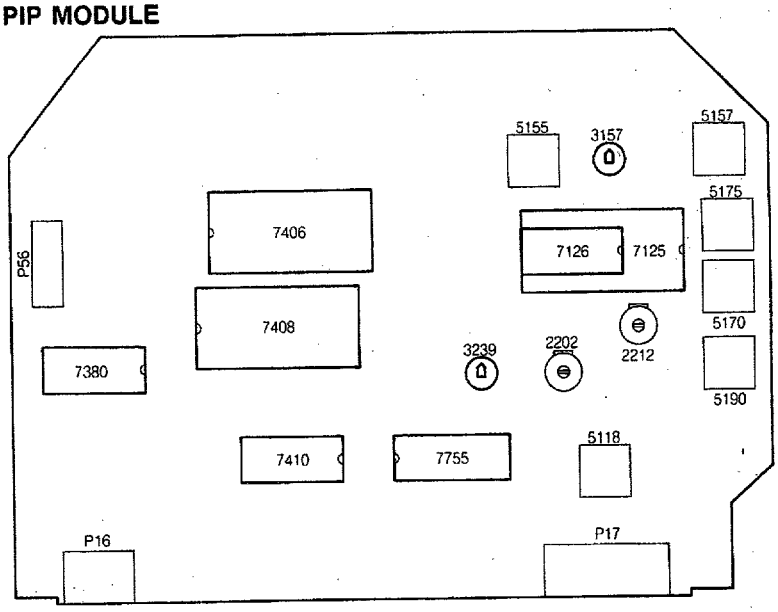
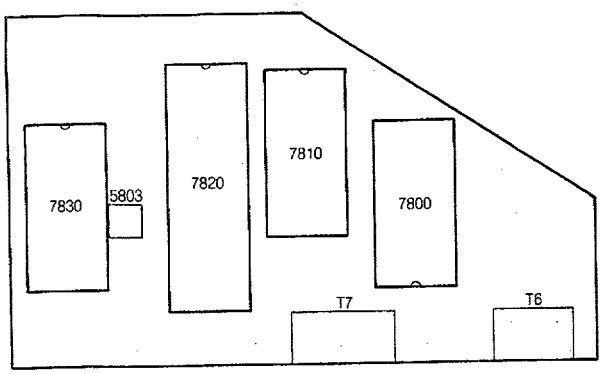

MAIN PANEL
INSTALL
SK14
3312
2313
7306
8.86MHz
5304
7305
5301
1001
IF/SOUND
MODULE
1003
TXT
M17
M18
3635
+148
+95
5625
SOPS TRANSFORMER
3457
3525
3521
3461
1000
TUNER
5545
L.O.T
3516
3504

Fig. 7.3

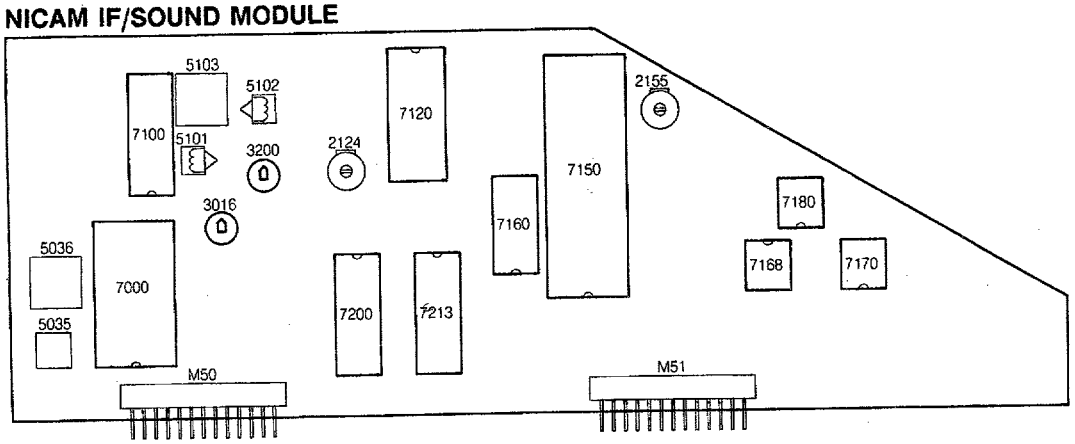
PIP MODULE



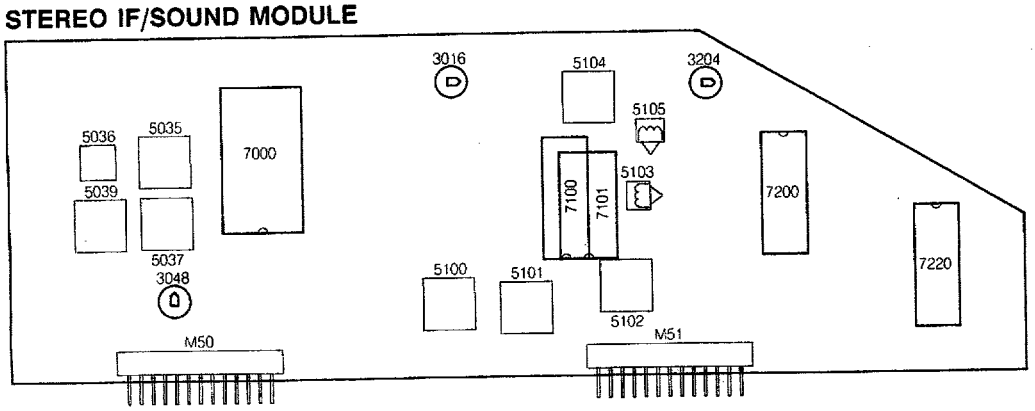
TXT MODULE



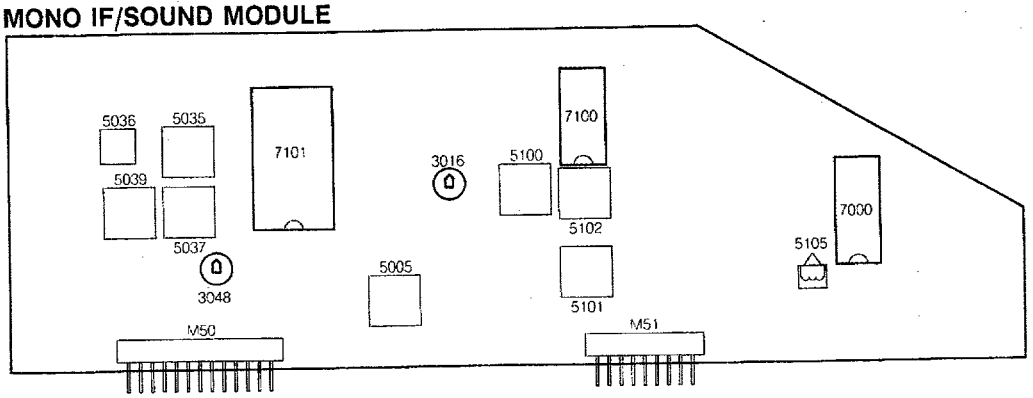
NICAM IF/SOUND MODULE



STEREO IF/SOUND MODULE



MONO IF/SOUND MODULE



MDA 02965
T28/107

Fig. 7.3

Repair tips

1. Servicing of SMDs (Surface Mounted Devices)

1.1 General cautions on handling and storage

a. Oxidation on the terminals of SMDs results in poor soldering. Do not handle SMDs with bare hands.
b. Avoid using storage places that are sensitive to oxidation such as places with sulphur or chlorine gas, direct sunlight, high temperatures or a high degree of humidity.
The capacitance or resistance value of the SMDs may be affected by this.
c. Rough handling of circuit boards containing SMDs may cause damage to the components as well as the circuit boards. Circuit boards containing SMDs should never be bent or flexed. Different circuit board materials expand and contract at different rates when heated or cooled and the components and/or solder connections may be damaged due to the stress. Never rub or scrape chip components as this may cause the value of the component to change. Similarly, do not slide the circuit board across any surface.

1.2 Removal of SMDs

a. Heat the solder (for 2-3 seconds) at each terminal of the chip. By means of litz wire and a slight horizontal force, small components can be removed with the soldering iron. They can also be removed with a solder sucker (see Fig. 8.1A) or:
b. While holding the SMD with a pair of tweezers, take it off gently using the soldering iron's heat applied to each terminal (see Fig. 8.1B).
c. Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

Caution on removal:

a. When handling the soldering iron, use suitable pressure and be careful.
b. When removing the chip, do not use undue force with the pair of tweezers.
c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).
d. The chip, once removed, must never be reused.

1.3 Attachment of SMDs

a. Locate the SMD on the solder lands by means of tweezers and solder the component on one side. Ensure that the component is positioned correctly on the solder lands (see Fig. 8.2A).
b. Next complete the soldering of the terminals of the component (see Fig. 8.2B).

Caution when attaching SMDs:

a. When soldering the SMD terminals, do not touch them directly with the soldering iron. The soldering should be done as quickly as possible; care must be taken to avoid damage to the terminals of the SMDs themselves.
b. Keep the SMD's body in contact with the printed board when soldering.
c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).
d. Soldering should not be done outside the solder land.
e. Soldering flux (of rosin) may be used, but should not be acidic.
f. After soldering, let the SMD cool down gradually at room temperature.
g. The quantity of solder must be proportional to the size of the solder land. If the quantity is too great, the SMD might crack or the solder lands might be torn loose from the printed board (see Fig. 8.3).

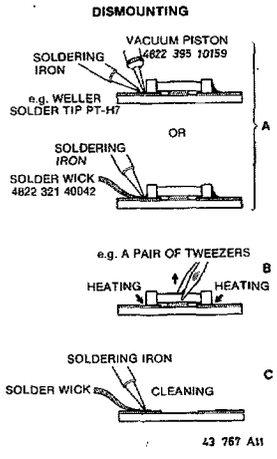


Fig. 8.1

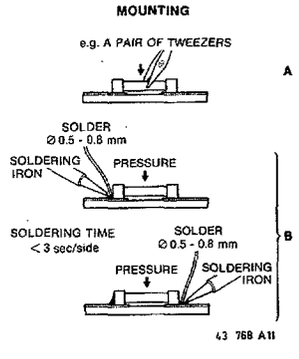


Fig. 8.2

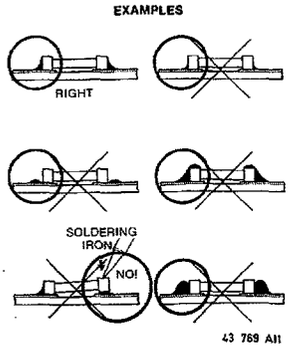


Fig. 8.3

2. Replacing the EEPROM IC7710

If the EEPROM has to be replaced during a repair, the microprocessor will load the EEPROM with a number of default values for the white balance, peak white limit and cut-off point settings.
However, all these values should be checked and adjusted, if necessary.
All options should also be set, the programs installed and personal preference set.

3. Table of fault messages

Fault indication	Description	Possible fault
OSD: ER PIP	I²C fault PIP module	* +5 on PIP module * IC7406
OSD: ER TXT	I²C fault TXT module	* +5 on teletext module * IC7800
OSD: ER NICAM	I²C fault IC7160 (NICAM units)	* +5 on MF/sound module * IC7160, C2160, C2161, C2221, C2222 * IC7213
OSD: ER 8415	I²C fault IC7200 (stereo and NICAM units)	* +14 on MF/sound module * IC7200 * IC7220
OSD: ER 8425	I²C fault IC7213 (NICAM units) I²C fault IC7220 (Stereo units)	* IC7213/IC7220
OSD: ER EEPROM	I²C fault IC7710	* ICC7710
OSD: ER TUNER	I²C fault tuner (stereo and NICAM units)	* Tuner * TS7003
OSD: ER CHROMA	I²C fault IC7309	* supply IC7309 (+9) * IC7309
Flashing LED	Internal fault in µP	* IC7708
OSD: ER BUS	I²C bus blocked	* C2714, C2715

Directions for use

1. Service default mode

The GR2.1 is equipped with a service default mode. The service default mode is a fixed defined mode in which the unit can be placed.

1.1 Mode definition

The definition of the fixed mode in the service default mode is as follows:

- all sound and picture controls are in the central position (with the exception of the volume which is set to low)
- stereo units are tuned to 475.25 MHz
- mono units are tuned to programme 0
- system:
  * PAL BG, PAL/SECAM BG or PAL I for single system units
  * SECAM L for multisystem units.

1.2 Switching on and off

The service default mode is switched on by briefly short-circuiting the pins M33 and M34 (SERVICE) behind the INSTALL key on the carrier panel when switching the unit on with the mains switch. In order to indicate that the unit is in the service default mode, an "S" appears on the screen.
The service default mode can only be switched off by switching the unit to standby. If the unit is switched off and then on again using the mains switch or mains plug, the service default mode remains switched on.

1.3 Operation and extra facilities

In addition to the fact that the unit can be operated normally, in the service default mode two extra functions are available:

- Autostore
  When operating the install key on the local control panel, the unit is tuned to the next transmitter frequency. This frequency is also stored under the selected programme number. Therefore the installation menu cannot be accessed in the service default mode!
- Service menu
  The service menu is activated by first pressing the ◿ key and then at the same time the P+ key on the local control panel. The service menu now appears on the screen.
  The service menu offers the facility to set various options and make a number of picture tube settings. The various components in the service menu are selected using the coloured keys on the remote control. The various components themselves are adjusted using the + and - keys on the remote control.
  The values and options set are immediately stored in the EEPROM.

Note 1:
If the service menu does not appear on the screen and the autostore function does not react, then the "LOCK" function is probably activated.
If the autostore function only does not react, the hotel mode is activated.

Note 2:
If a multisystem unit in the service default mode is to be used with the PAL/SECAM BG system, the "MULTI SYSTEM" option can be temporarily switched off.

2. Hotel mode

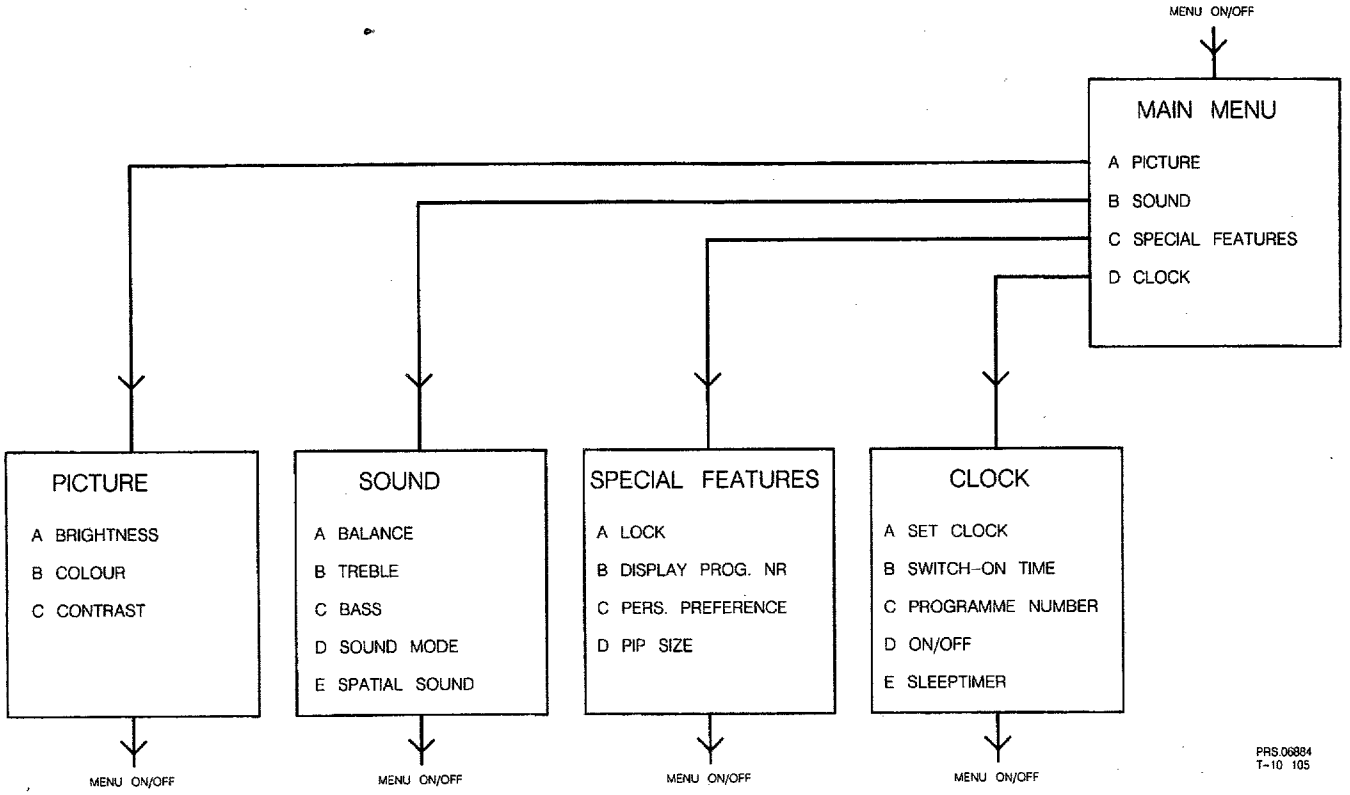
In the hotel mode the volume control is limited to a maximum to be set beforehand and the installation menu cannot be called up.

2.1 Switching the hotel mode on and off

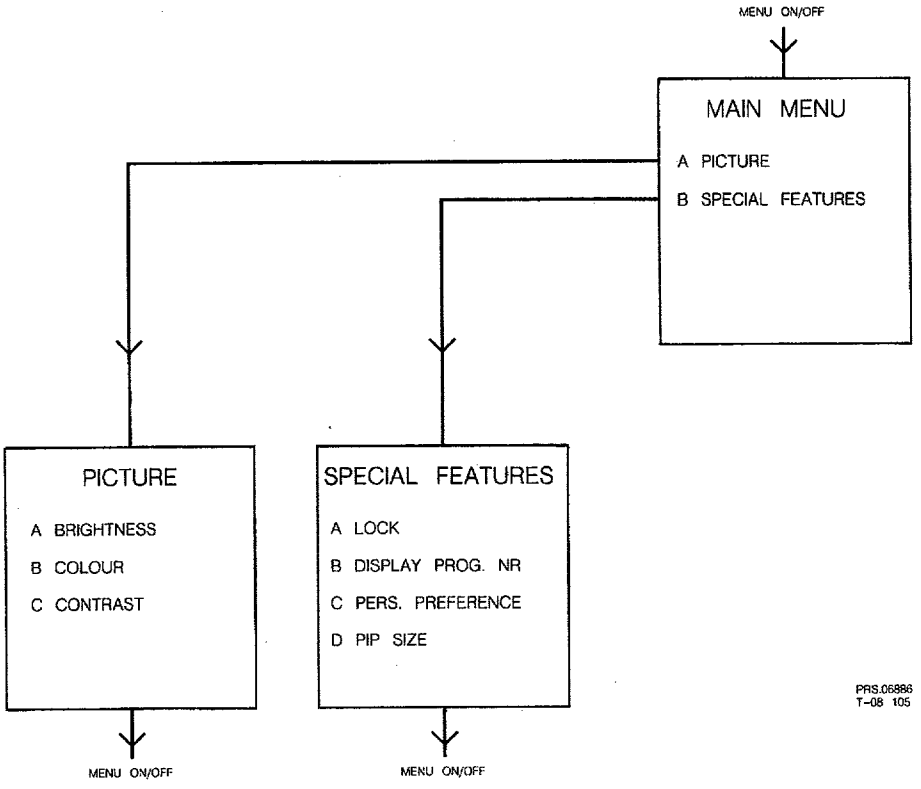
Select programme number 38.
First press ◿ + and keep this depressed while pressing P −.

Survey of menus

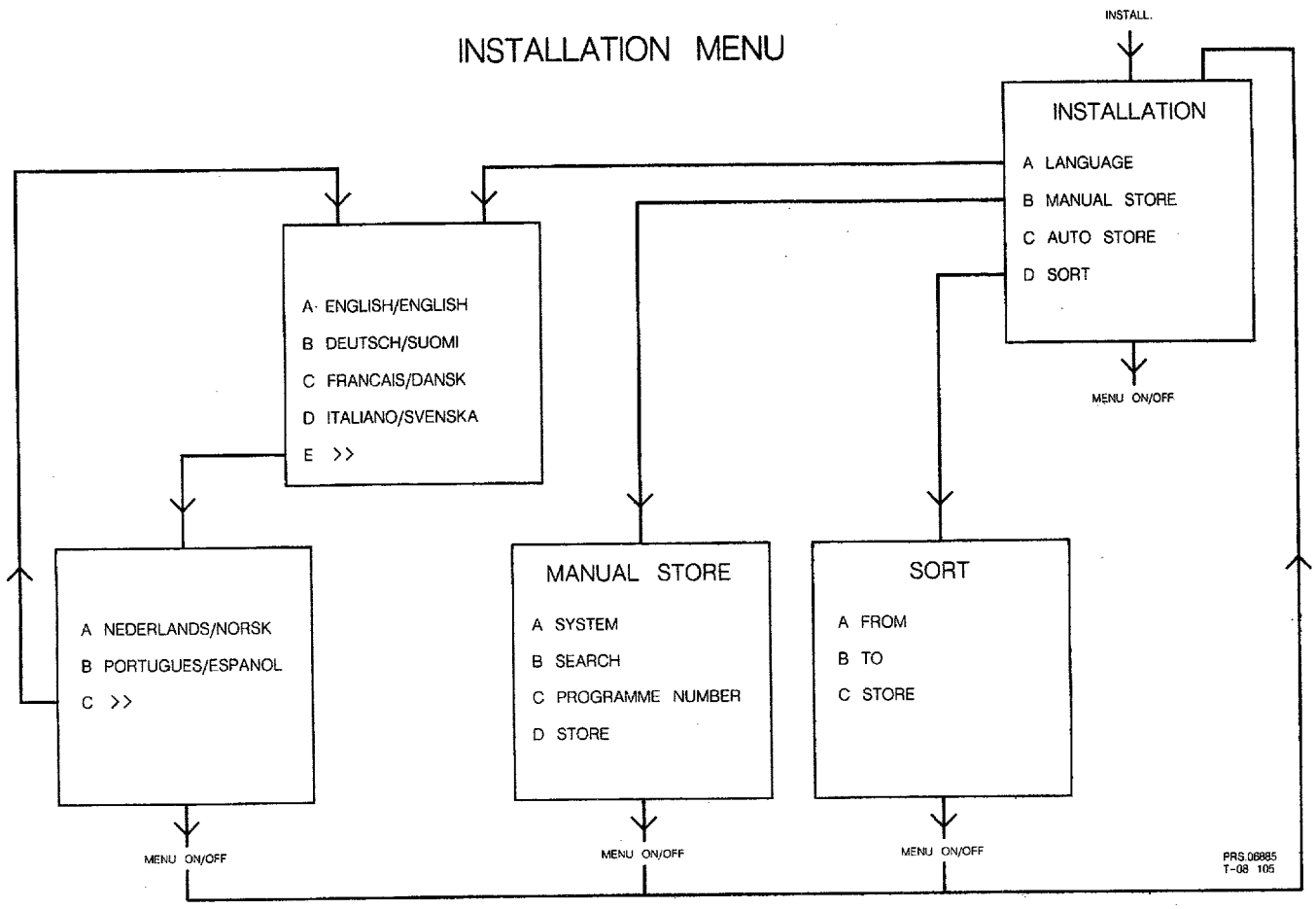
MAIN MENU STEREO



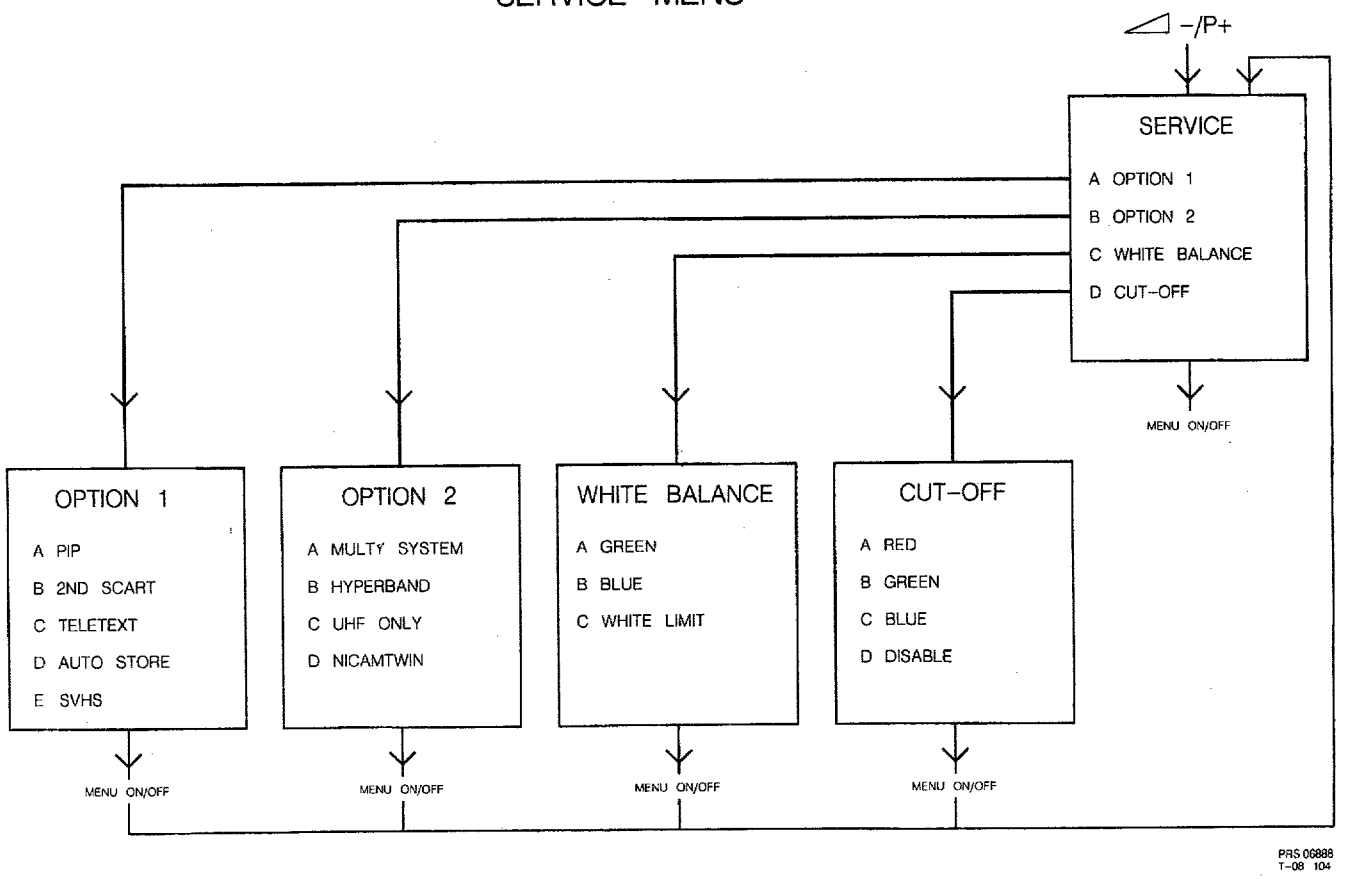
MAIN MENU MONO



INSTALLATION MENU



SERVICE MENU



Spare parts lists / Stückliste / Liste

Carrier panel

Mechanical parts

	4822 404 31174	bracket EURO MOD.
	4822 492 70871	spring (wire)
	4822 492 70143	spring fix. TS7625
	4822 256 91766	LED holder
	4822 276 50354	keyboard 5-fold
	4822 466 30395	shielding IC7708
	4822 256 30274	fuse holder
	4822 320 20126	focus cable

⊣

10	4822 265 30389	2p male
11	4822 265 30389	2p male
12	4822 265 30351	5p male
13	4822 265 30378	4p male
14	4822 290 40295	7p male
15	4822 265 40421	6p male
16	4822 264 40207	3p male
17	4822 267 50591	6p male gold
18	4822 264 50148	8p male gold
19	4822 264 40239	3p male
22	4822 267 40666	3p male
23	4822 264 40207	3p male
24	4822 264 40207	3p male
27	4822 265 30351	5p male
28	4822 265 30877	3p male
29	4822 265 41086	9p male,
35	4822 267 20387	SVHS-connector
39	4822 267 31014	headphone socket
47	4822 267 30631	dual cinch connector
49	4822 267 60243	EURO-connector

⊢

	4822 290 60626	2p female
	4822 290 40285	3p female
	4822 267 50824	4p female
	4822 265 30275	5p female
	4822 267 30546	6p female
	4822 265 40252	7p female
	4822 267 51084	9p female
	4822 267 50637	10p female

various

1000	4822 210 10405	UV917E/IEC
1000	4822 212 23695	U943/IEC
1000	4822 210 50124	UV916E/IEC
1000	4822 210 10366	U944/IEC
1002	4822 526 10405	ferrite bead for D6640,D6641
1003	4822 212 23667	infra red receiver
1004	4822 526 10538	ferrite bead for D6546
1240	4822 071 51602	fuse T1,6A
1242	4822 071 51602	fuse T1,6A
1300	4822 242 70304	crystal 8,867 238 MHz
1534	4822 071 53151	fuse T315mA
1559	4822 071 51002	fuse T1A
1580	4822 071 51602	fuse T1,6A
1600	4822 070 32002	fuse T2A
1702	4822 242 80238	crystal 4,194 MHz
1702	4822 242 80221	crystal 4,194 304 MHz

⊣⊢

2001	4822 124 40195	150µF 20% 16V
2002	5322 122 32838	82nF 10% 63V
2002	4822 122 31797	22nF 10% 63V

⊣⊢

2003	4822 122 31784	4,7nF 10% 50V
2003	4822 122 32893	100nF 80% 50V
2004	4822 122 33205	12pF 10% 63V
2008	4822 122 31765	100pF 5% 50V
2231	4822 124 41525	100µF 20% 25V
2232	4822 122 32863	22nF 80% 50V
2233	4822 122 32863	22nF 80% 50V
2234	4822 122 32863	22nF 80% 50V
2235	4822 122 32863	22nF 80% 50V
2236	4822 122 31784	4,7nF 10% 50V
2237	4822 122 32893	100nF 80% 50V
2238	4822 122 32597	6,8nF 10% 63V
2238	4822 122 31784	4,7nF 10% 50V
2239	4822 122 32893	100nF 80% 50V
2240	4822 124 40214	1000µF 20% 25V
2241	4822 122 32893	100nF 80% 50V
2242	4822 124 40214	1000µF 20% 25V
2243	4822 122 32863	22nF 80% 50V
2245	4822 122 32863	22nF 80% 50V
2246	4822 124 41596	22µF 20% 50V
2246	4822 124 41506	47µF 20% 16V
2248	4822 124 40849	330µF 20% 16V
2249	4822 122 32863	22nF 80% 50V
2250	4822 121 42472	10nF 10% 50V
2251	4822 121 42472	10nF 10% 50V
2252	4822 121 51252	470nF 5% 63V
2254	4822 121 51252	470nF 5% 63V
2255	4822 121 51252	470nF 5% 63V
2256	4822 122 32142	270pF 5% 63V
2257	4822 122 32142	270pF 5% 63V
2260	4822 122 32566	3,9nF 10% 63V
2261	4822 122 32566	3,9nF 10% 63V
2262	4822 122 32142	270pF 5% 63V
2263	4822 122 32142	270pF 5% 63V
2264	4822 121 51252	470nF 5% 63V
2265	4822 121 51252	470nF 5% 63V
2300	4822 122 32482	22pF 5% 63V
2301	4822 122 31773	560pF 5% 50V
2303	4822 122 32142	270pF 5% 63V
2304	4822 122 33498	2,7nF 10% 63V
2304	4822 122 31773	560pF 5% 50V
2305	4822 122 32444	33pF 5% 50V
2306	4822 122 31965	220pF 5% 63V
2307	4822 122 31965	220pF 5% 63V
2308	4822 122 32442	10nF 50V
2309	4822 122 32442	10nF 50V
2310	4822 122 32442	10nF 50V
2311	4822 122 33496	100nF 10% 63V
2312	4822 122 32442	10nF 50V
2313	4822 125 50045	20pF
2314	5322 121 42661	330nF 5% 63V
2315	4822 122 32504	15pF 5% 50V
2315	4822 122 33205	12pF 10% 63V
2316	4822 122 31825	27pF 10% 50V
2317	4822 122 33466	82pF 2%
2318	4822 122 32875	100pF 5% 50V
2319	4822 122 31825	27pF 10% 50V
2320	4822 122 32444	33pF 5% 50V
2320	4822 122 31839	82pF 10% 50V
2321	4822 122 31797	22nF 10% 63V
2322	4822 122 31797	22nF 10% 63V
2323	4822 122 32542	47nF 10% 63V
2325	4822 122 32542	47nF 10% 63V
2326	4822 051 10008	0Ω 5% 0,25W
2326	4822 122 33496	100nF 10% 63V
2327	4822 122 32442	10nF 50V
2328	4822 121 41856	22nF 5% 250V
2328	4822 121 42408	220nF 5% 63V
2329	4822 121 42408	220nF 5% 63V
2329	4822 121 41856	22nF 5% 250V
2330	4822 122 31765	100pF 5% 50V
2331	4822 122 31765	100pF 5% 50V
2332	5322 122 31842	330pF 5% 63V

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2333	4822 121 42408	220nF 5% 63V
2334	4822 122 31965	220pF 5% 63V
2335	4822 122 31965	220pF 5% 63V
2336	4822 122 31797	22nF 10% 63V
2337	4822 122 31797	22nF 10% 63V
2338	4822 122 31797	22nF 10% 63V
2339	4822 122 33496	100nF 10% 63V
2340	4822 122 31797	22nF 10% 63V
2341	4822 122 31797	22nF 10% 63V
2342	4822 122 33496	100nF 10% 63V
2343	4822 122 33496	100nF 10% 63V
2344	4822 122 33496	100nF 10% 63V
2345	4822 122 31797	22nF 10% 63V
2346	4822 122 31765	100pF 5% 50V
2349	5322 122 31647	1nF 10% 63V
2350	4822 122 31797	22nF 10% 63V
2351	4822 122 31797	22nF 10% 63V
2352	5322 122 31647	1nF 10% 63V
2353	4822 122 33496	100nF 10% 63V
2354	4822 124 40242	1µF 20% 63V
2355	4822 124 40849	330µF 20% 16V
2356	4822 122 31797	22nF 10% 63V
2357	4822 122 31797	22nF 10% 63V
2358	4822 122 31797	22nF 10% 63V
2359	4822 122 31765	100pF 5% 50V
2360	4822 122 33496	100nF 10% 63V
2361	4822 122 33496	100nF 10% 63V
2362	4822 122 33496	100nF 10% 63V
2363	4822 122 31972	39pF 5% 50V
2365	4822 124 40242	1µF 20% 63V
2366	4822 124 41566	3,3µF 20% 50V
2367	4822 124 40435	10µF 20% 50V
2367	4822 124 41596	22µF 20% 50V
2368	4822 122 33205	12pF 10% 63V
2368	4822 122 32504	15pF 5% 50V
2370	4822 121 42408	220nF 5% 63V
2371	4822 122 31825	27pF 10% 50V
2372	4822 122 31825	27pF 10% 50V
2373	4822 122 31825	27pF 10% 50V
2374	4822 122 31772	47pF 5% 50V
2375	4822 122 31765	100pF 5% 50V
2376	4822 122 31765	100pF 5% 50V
2380	4822 122 31766	120pF 5% 50V
2381	4822 122 31766	120pF 5% 50V
2384	4822 122 31765	100pF 5% 50V
2384	4822 051 10008	0Ω 5% 0,25W
2385	4822 122 31765	100pF 5% 50V
2451	4822 122 32442	10nF 50V
2451	4822 122 33496	100nF 10% 63V
2456	4822 124 40242	1µF 20% 63V
2457	4822 122 33496	100nF 10% 63V
2458	4822 121 42937	2,7nF 1% 250V
2459	4822 122 33496	100nF 10% 63V
2460	5322 122 31647	1nF 10% 63V
2460	4822 122 31784	4,7nF 10% 50V
2460	4822 122 32442	10nF 50V
2461	5322 122 31647	1nF 10% 63V
2464	4822 122 33496	100nF 10% 63V
2465	4822 124 40849	330µF 20% 16V
2466	4822 124 41577	4,7µF 20% 50V
2467	4822 122 33496	100nF 10% 63V
2468	4822 124 40242	1µF 20% 63V
2469	4822 124 41596	22µF 20% 50V
2470	4822 122 31772	47pF 5% 50V
2471	5322 121 42661	330nF 5% 63V
2473	5322 121 42661	330nF 5% 63V
2475	4822 122 31797	22nF 10% 63V
2500	4822 122 31965	220pF 5% 63V
2500	4822 122 31727	470pF 5% 63V
2502	4822 124 41596	22µF 20% 50V
2505	4822 122 32542	47nF 10% 63V
2506	4822 124 41747	680µF 20%
2506	4822 124 41334	470µF 20% 35V

Carrier panel (continued)

2507	4822 122 31797	22nF 10% 63V
2509	4822 124 41576	2,2µF 20% 50V
2520	5322 124 41299	68µF 20% 25V
2521	4822 122 32891	68nF 10% 63V
2522	5322 121 42661	330nF 5% 63V
2524	4822 124 21208	4,7µF 20% 50V
2524	4822 124 42167	4,7µF 20% 50V
2526	4822 121 42472	10nF 10% 50V
2526	4822 122 31759	18nF 10%
2528	5322 121 42025	0,22µF 10% 250V
2531	4822 121 43396	120nF 5% 63V
2531	4822 121 42408	220nF 5% 63V
2532	4822 124 40242	1µF 20% 63V
2532	4822 124 41577	4,7µF 20% 50V
2533	4822 124 40242	1µF 20% 63V
2538	4822 121 51256	39nF 10% 50V
2539	4822 124 41525	100µF 20% 25V
2545	4822 126 10202	1,5nF 10% 2kV
2545	4822 122 33707	1,2nF 10% 2kV
2546	5322 121 42523	8,2nF 5% 2kV
2546	5322 121 41603	10nF 5% 2kV
2546	4822 121 43065	7,5nF 5% 2kV
2547	4822 121 40488	22nF 10% 400V
2547	5322 121 44151	33nF 10% 400V
2549	4822 121 42073	390 nF 10% 400V
2549	4822 121 42074	470 nF 10% 400V
2550	4822 121 51527	390nF 5% 250V
2550	4822 121 43148	470nF 10% 2000V
2551	4822 124 41831	1µF 20% 160V
2559	4822 124 41525	100µF 20% 25V
2560	4822 121 51408	33nF 10% 250V
2563	4822 122 10175	2,2nF 10% 50V
2570	4822 124 40764	22µF 100 V
2574	4822 122 10175	2,2nF 10% 50V
2580	4822 124 40214	1000µF 20% 25V
2585	4822 124 40435	10µF 20% 50V
2588	4822 122 31644	2,2nF 10% 63V
2590	5322 121 42498	680nF 5% 63V
2590	5322 121 42498	680nF 5% 63V
2600	4822 124 41531	470nF 10% 250VAC
2605	4822 124 23492	220µF 50% 385V
2605	4822 124 42104	68µF 20% 385V
2607	4822 122 33922	1nF 20% 400V
2611	5322 124 41299	68µF 20% 25V
2617	4822 121 43047	1µF 10% 63V
2620	5322 121 42465	68nF 5% 63V
2625	4822 122 40593	1nF 10% 1kV
2626	4822 122 40594	470pF 10% 1kV
2629	4822 122 31784	4,7nF 10% 50V
2630	4822 124 23418	47µF 200V
2630	4822 124 22349	100µF 160V
2631	4822 124 22349	100µF 160V
2631	4822 124 23418	47µF 200V
2632	4822 126 11382	1nF 10% 1kV
2636	4822 122 31644	2,2nF 10% 63V
2640	4822 124 40214	1000µF 20% 25V
2641	4822 124 40214	1000µF 20% 25V
2646	4822 124 42153	15µF 20% 50V
2649	4822 122 33496	100nF 10% 63V
2650	4822 122 33496	100nF 10% 63V
2652	5322 122 32331	1nF 10% 100V
2653	5322 122 32331	1nF 10% 100V
2658	5322 122 32838	82nF 10% 63V
2660	4822 124 40201	1000µF 20% 16V
2661	4822 124 41506	47µF 20% 16V
2662	4822 122 30107	270pF 2% 100V
2662	5322 122 32056	220pF 2% 100V
2663	5322 122 32344	82pF 2% 100V
2663	4822 122 31081	100pF 2% 100V
2664	4822 124 41576	2,2µF 20% 50V
2670	4822 122 31766	120pF 5% 50V
2671	4822 121 42408	220nF 5% 63V
2675	5322 124 41468	1000µF 20% 40V
2675	4822 124 21215	680µF 20% 40V
2676	5322 122 32331	1nF 10% 100V
2701	4822 122 31765	100pF 5% 50V
2702	4822 122 32442	10nF 50V
2703	4822 121 51252	470nF 5% 63V
2704	4822 122 32542	47nF 10% 63V
2705	4822 122 31766	120pF 5% 50V
2706	5322 124 41299	68µF 20% 25V
2707	4822 124 40242	1µF 20% 63V
2708	4822 122 31766	120pF 5% 50V
2709	4822 122 32083	8,2pF 5% 50V
2710	4822 122 32083	8,2pF 5% 50V
2711	4822 122 31825	27pF 10% 50V
2712	4822 122 31825	27pF 10% 50V
2713	4822 124 41525	100µF 20% 25V
2714	4822 122 31766	120pF 5% 50V
2715	4822 122 31766	120pF 5% 50V
2716	4822 122 33496	100nF 10% 63V
2717	4822 122 31644	2,2nF 10% 63V
2718	4822 122 33496	100nF 10% 63V
2719	4822 124 40242	1µF 20% 63V
2719	5322 121 42386	100nF 5% 63V
2721	4822 122 32442	10nF 50V
2722	4822 121 42007	100nF 10% 100V
2722	4822 122 32893	100nF 80% 50V
2781	4822 122 33496	100nF 10% 63V
2800	4822 124 41506	47µF 20% 16V
2805	4822 122 31772	47pF 5% 50V
2810	4822 122 31784	4,7nF 10% 50V
2875	4822 122 32893	100nF 80% 50V

3001	4822 052 10279	27Ω 5% 0,33W
3002	4822 051 10223	22k 2% 0,25W
3003	4822 051 20222	2k2 5% 0,1W
3004	4822 051 10472	4k7 2% 0,25W
3005	4822 051 10102	1k 2% 0,25W
3006	4822 051 10472	4k7 2% 0,25W
3007	4822 051 10102	1k 2% 0,25W
3008	4822 051 10472	4k7 2% 0,25W
3009	4822 051 10102	1k 2% 0,25W
3010	4822 051 10102	1k 2% 0,25W
3218	4822 116 52228	680Ω 5% 0,5W
3219	4822 116 52228	680Ω 5% 0,5W
3220	4822 051 10392	3k9 2% 0,25W
3221	4822 116 52204	1k 5% 0,5W
3222	4822 116 52234	100k 5% 0,5W
3224	4822 116 52256	2k2 5% 0,5W
3225	4822 051 10272	2k7 2% 0,25W
3226	4822 051 10333	33k 2% 0,25W
3227	4822 051 10333	33k 2% 0,25W
3228	4822 051 10151	150Ω 2% 0,25W
3229	4822 051 10562	5k6 2% 0,25W
3230	4822 116 52257	22k 5% 0,5W
3231	4822 051 10472	4k7 2% 0,25W
3232	4822 051 10101	100Ω 2% 0,25W
3232	4822 051 10008	0Ω 5% 0,25W
3233	4822 051 10103	10k 2% 0,25W
3234	4822 051 10223	22k 2% 0,25W
3235	4822 051 10223	22k 2% 0,25W
3236	4822 051 10562	5k6 2% 0,25W
3236	4822 051 10122	1k2 2% 0,25W
3237	4822 051 10562	5k6 2% 0,25W
3237	4822 051 10122	1k2 2% 0,25W
3238	4822 051 10122	1k2 2% 0,25W
3239	4822 116 52207	1k2 5% 0,5W
3240	4822 052 10828	8Ω2 5% 0,33W
3241	4822 052 10828	8Ω2 5% 0,33W
3242	4822 051 10333	33k 2% 0,25W
3243	4822 051 10333	33k 2% 0,25W
3244	4822 051 10103	10k 2% 0,25W
3245	4822 051 10103	10k 2% 0,25W
3246	4822 050 23301	330Ω 1% 0,6W
3247	4822 116 52175	100Ω 5% 0,5W
3248	4822 050 23301	330Ω 1% 0,6W
3249	4822 116 52193	39Ω 5% 0,5W
3249	4822 116 52175	100Ω 5% 0,5W
3250	4822 116 52204	1k 5% 0,5W
3251	4822 116 52204	1k 5% 0,5W
3253	4822 116 52211	150Ω 5% 0,5W
3254	4822 116 52211	150Ω 5% 0,5W
3255	4822 116 52204	1k 5% 0,5W
3256	4822 116 52204	1k 5% 0,5W
3257	4822 051 10334	330k 2% 0,25W
3258	4822 051 10334	330k 2% 0,25W
3259	4822 051 10334	330k 2% 0,25W
3260	4822 051 10334	330k 2% 0,25W
3261	4822 116 80747	75Ω 5% 0,125W
3262	4822 116 80747	75Ω 5% 0,125W
3263	4822 051 10008	0Ω 5% 0,25W
3263	4822 051 10562	5k6 2% 0,25W
3264	4822 051 10008	0Ω 5% 0,25W
3264	4822 051 10562	5k6 2% 0,25W
3265	4822 050 21008	1Ω 1% 0,6W
3266	4822 050 21008	1Ω 1% 0,6W
3300	4822 051 10562	5k6 2% 0,25W
3301	4822 051 10272	2k7 2% 0,25W
3302	4822 051 20222	2k2 5% 0,1W
3303	4822 051 10332	3k3 2% 0,25W
3303	4822 051 10122	1k2 2% 0,25W
3304	4822 051 10182	1k8 2% 0,25W
3305	4822 051 10431	430Ω 2% 0,25W
3306	4822 051 10103	10k 2% 0,25W
3307	4822 051 10681	680Ω 2% 0,25W
3308	4822 051 10331	330Ω 2% 0,25W
3309	4822 051 10331	330Ω 2% 0,25W
3310	4822 116 52286	5k1 5% 0,5W
3311	4822 051 10391	390Ω 2% 0,25W
3312	4822 100 11677	470Ω 30% lin 0,2W
3313	4822 051 10103	10k 2% 0,25W
3313	4822 051 10332	3k3 2% 0,25W
3314	4822 051 10103	10k 2% 0,25W
3315	4822 051 10911	910Ω 2% 0,25W
3316	4822 051 10105	1M 5% 0,25W
3317	4822 051 20222	2k2 5% 0,1W
3318	4822 051 10472	4k7 2% 0,25W
3323	4822 116 52272	330k 5% 0,5W
3325	4822 051 10271	270Ω 2% 0,25W
3326	4822 051 10271	270Ω 2% 0,25W
3327	4822 050 11202	1k2 1% 0,4W
3328	4822 051 10473	47k 2% 0,25W
3330	4822 051 10109	10Ω 2% 0,25W
3331	4822 051 10109	10Ω 2% 0,25W
3332	4822 050 23901	390Ω 1% 0,6W
3334	4822 050 21809	18Ω 1% 0,6W
3335	4822 116 52184	18Ω 5% 0,5W
3336	4822 052 10189	18Ω 5% 0,33W
3336	4822 052 10279	27Ω 5% 0,33W
3337	4822 052 10189	18Ω 5% 0,33W
3337	4822 052 10279	27Ω 5% 0,33W
3338	4822 116 52204	1k 5% 0,5W
3339	4822 051 10152	1k5 2% 0,25W
3340	4822 116 52204	1k 5% 0,5W
3341	4822 051 10103	10k 2% 0,25W
3342	4822 051 10102	1k 2% 0,25W
3343	4822 051 10104	100k 2% 0,25W
3344	4822 051 10182	1k8 2% 0,25W
3347	4822 116 52219	330Ω 5% 0,5W
3348	4822 116 52219	330Ω 5% 0,5W
3349	4822 116 52219	330Ω 5% 0,5W
3350	4822 116 52204	1k 5% 0,5W
3351	4822 116 52263	2k7 5% 0,5W
3352	4822 116 52263	2k7 5% 0,5W
3353	4822 116 52263	2k7 5% 0,5W

Carrier panel (continued)

3354	4822 051 10221	220Ω 2% 0,25W
3357	4822 051 10102	1k 2% 0,25W
3358	4822 051 10331	330Ω 2% 0,25W
3359	4822 051 10331	330Ω 2% 0,25W
3360	4822 051 10102	1k 2% 0,25W
3361	4822 051 10102	1k 2% 0,25W
3362	4822 051 10472	4k7 2% 0,25W
3365	4822 116 52245	150k 5% 0,5W
3365	4822 116 52301	75k 5% 0,5W
3366	4822 051 20183	18k 5% 0,1W
3367	4822 116 52175	100Ω 5% 0,5W
3368	4822 116 52175	100Ω 5% 0,5W
3369	4822 116 52175	100Ω 5% 0,5W
3370	4822 051 10332	3k3 2% 0,25W
3371	4822 051 10332	3k3 2% 0,25W
3372	4822 051 10472	4k7 2% 0,25W
3373	4822 051 10102	1k 2% 0,25W
3374	4822 050 26803	68k 1% 0,6W
3375	4822 051 10331	330Ω 2% 0,25W
3376	4822 051 10331	330Ω 2% 0,25W
3380	4822 051 10101	100Ω 2% 0,25W
3381	4822 051 10101	100Ω 2% 0,25W
3394	4822 051 10104	100k 2% 0,25W
3395	4822 051 10683	68k 2% 0,25W
3450	4822 116 52238	12k 5% 0,5W
3451	4822 116 52175	100Ω 5% 0,5W
3452	4822 116 52175	100Ω 5% 0,5W
3455	4822 051 10102	1k 2% 0,25W
3456	4822 051 10682	6k8 2% 0,25W
3457	4822 100 11676	10k 30% lin 0,2W
3458	4822 051 10303	30k 2% 0,25W
3459	4822 051 10823	82k 2% 0,25W
3460	4822 051 10333	33k 2% 0,25W
3461	4822 100 11682	47k 30% lin 0,2W
3463	4822 051 20183	18k 5% 0,1W
3464	4822 051 10123	12k 2% 0,25W
3465	4822 051 10394	390k 2% 0,25W
3466	4822 051 10152	1k5 2% 0,25W
3467	4822 116 80692	2M2 5% 0,2W
3467	4822 050 21205	1M2 1% 0,6W
3468	4822 051 10682	6k8 2% 0,25W
3469	4822 051 10229	22Ω 2% 0,25W
3470	4822 116 52269	3k3 5% 0,5W
3471	4822 050 19109	91Ω 1% 0,4W
3473	4822 116 52265	270k 5% 0,5W
3474	4822 051 10392	3k9 2% 0,25W
3483	4822 051 10479	47Ω 2% 0,25W
3485	4822 051 20222	2k2 5% 0,1W
3501	4822 051 10759	75Ω 2% 0,25W
3501	4822 051 10101	100Ω 2% 0,25W
3502	4822 050 28201	820Ω 1% 0,6W
3503	4822 052 10108	1Ω 5% 0,33W
3504	4822 100 11684	100Ω 10% 0,1W
3505	4822 051 10471	470Ω 2% 0,25W
3506	4822 116 52245	150k 5% 0,5W
3507	4822 116 52233	10k 5% 0,5W
3507	4822 116 52238	12k 5% 0,5W
3508	4822 051 10228	2Ω2 5% 0,25W
3509	4822 051 10228	2Ω2 5% 0,25W
3510	4822 051 10228	2Ω2 5% 0,25W
3511	4822 051 10228	2Ω2 5% 0,25W
3512	4822 051 10109	10Ω 2% 0,25W
3513	4822 050 25601	560Ω 1% 0,6W
3514	4822 051 10392	3k9 2% 0,25W
3515	4822 051 10228	2Ω2 5% 0,25W
3516	4822 100 11678	22k 30% lin 0,2W
3517	4822 051 10228	2Ω2 5% 0,25W
3518	4822 051 10101	100Ω 2% 0,25W
3519	4822 051 10228	2Ω2 5% 0,25W
3520	4822 116 52211	150Ω 5% 0,5W
3521	4822 100 11679	4,7k 30% lin 0,2W
3522	4822 051 10152	1k5 2% 0,25W
3523	4822 051 10228	2Ω2 5% 0,25W

3524	4822 051 10683	68k 2% 0,25W
3525	4822 100 11678	22k 30% lin 0,2W
3525	4822 100 11676	10k 30% lin 0,2W
3526	4822 051 10823	82k 2% 0,25W
3526	4822 051 10104	100k 2% 0,25W
3527	4822 051 10125	1M2 5% 0,25W
3527	4822 051 10333	33k 2% 0,25W
3528	4822 051 20222	2k2 5% 0,1W
3528	4822 051 10681	680Ω 2% 0,25W
3529	4822 051 10228	2Ω2 5% 0,25W
3530	4822 051 10102	1k 2% 0,25W
3530	4822 051 10008	0Ω 5% 0,25W
3531	4822 051 10104	100k 2% 0,25W
3531	4822 051 10008	0Ω 5% 0,25W
3532	4822 051 10103	10k 2% 0,25W
3532	4822 051 10153	15k 2% 0,25W
3533	4822 051 10822	8k2 2% 0,25W
3534	4822 052 10828	8Ω2 5% 0,33W
3535	4822 116 52231	820Ω 5% 0,5W
3535	4822 116 52243	1k5 5% 0,5W
3536	4822 051 10822	8k2 2% 0,25W
3538	4822 116 52251	18k 5% 0,5W
3539	4822 053 20684	680k 5% 0,25W
3539	4822 053 20434	430k 5% 0,25W
3540	4822 051 10399	39Ω 2% 0,25W
3542	4822 050 28201	820Ω 1% 0,6W
3543	4822 051 10101	100Ω 2% 0,25W
3545	4822 116 52256	2k2 5% 0,5W
3545	4822 111 70178	120Ω 5% 5W
3545	4822 116 82999	330Ω 5% 5W
3546	4822 050 15608	5Ω6 1% 0,4W
3549	4822 116 52251	18k 5% 0,5W
3550	4822 052 10153	15k 5% 0,33W
3550	4822 116 52251	18k 5% 0,5W
3551	4822 050 25601	560Ω 1% 0,6W
3552	4822 050 25601	560Ω 1% 0,6W
3553	4822 052 10561	560Ω 5% 0,33W
3560	4822 116 52254	20k 5% 0,5W
3560	4822 116 52247	16k 5% 0,5W
3560	4822 051 10333	33k 2% 0,25W
3570	4822 052 10688	6Ω8 5 0,33W
3582	4822 050 25601	560Ω 1% 0,6W
3585	4822 052 10159	15Ω 5% 0,33W
3588	4822 052 10561	560Ω 5% 0,33W
3589	4822 050 24701	470Ω 1% 0,6W
3590	4822 116 52234	100k 5% 0,5W
3591	4822 051 10474	470k 2% 0,25W
3592	4822 051 10681	680Ω 2% 0,25W
3603	4822 053 21915	9M1 5% 0,5W
3605	4822 052 10102	1k 5% 0,33W
3606	4822 052 10102	1k 5% 0,33W
3610	4822 052 10159	15Ω 5% 0,33W
3610	4822 052 10688	6Ω8 5 0,33W
3617	4822 116 52213	180Ω 5% 0,5W
3619	4822 116 52182	15Ω 5% 0,5W
3620	4822 053 12121	120Ω 5% 3W
3622	4822 053 11479	47Ω 5% 2W
3624	4822 116 52272	330k 5% 0,5W
3625	4822 116 52292	560k 5% 0,5W
3626	4822 053 12361	360Ω 5% 3W
3626	4822 113 80565	180Ω 5% 5W
3627	4822 053 12361	360Ω 5% 3W
3628	4822 051 10334	330k 2% 0,25W
3629	4822 051 10682	6k8 2% 0,25W
3631	4822 050 22204	220k 1% 0,6W
3631	4822 050 21204	120k 1% 0,6W
3634	4822 116 52269	3k3 5% 0,5W
3634	4822 116 52263	2k7 5% 0,5W
3635	4822 100 11681	1k 30% 0,1W
3636	4822 051 10224	220k 2% 0,25W
3637	4822 051 10101	100Ω 2% 0,25W
3647	4822 050 23603	36k 1% 0,6W
3647	4822 050 23303	33k 1% 0,6W

3648	4822 051 10273	27k 2% 0,25W
3649	4822 050 23309	33Ω 1% 0,6W
3658	4822 052 10688	6Ω8 5 0,33W
3659	4822 051 10181	180Ω 2% 0,25W
3660	4822 051 10101	100Ω 2% 0,25W
3661	4822 051 10361	360Ω 2% 0,25W
3662	4822 051 10221	220Ω 2% 0,25W
3663	4822 051 10472	4k7 2% 0,25W
3664	4822 051 10272	2k7 2% 0,25W
3665	4822 051 10103	10k 2% 0,25W
3666	4822 051 10102	1k 2% 0,25W
3667	4822 051 10361	360Ω 2% 0,25W
3668	4822 051 10102	1k 2% 0,25W
3669	4822 051 10102	1k 2% 0,25W
3670	4822 051 10303	30k 2% 0,25W
3671	4822 116 52204	1k 5% 0,5W
3672	4822 051 10103	10k 2% 0,25W
3673	4822 051 10472	4k7 2% 0,25W
3674	4822 051 10112	1k1 2% 0,25W
3675	4822 116 52239	120k 5% 0,5W
3676	4822 051 10103	10k 2% 0,25W
3701	4822 051 10273	27k 2% 0,25W
3702	4822 051 10153	15k 2% 0,25W
3704	4822 051 10103	10k 2% 0,25W
3705	4822 051 10102	1k 2% 0,25W
3706	4822 051 10472	4k7 2% 0,25W
3707	4822 051 10223	22k 2% 0,25W
3708	4822 051 10334	330k 2% 0,25W
3710	4822 051 10008	0Ω 5% 0,25W
3710	4822 051 10243	24k 2% 0,25W
3711	4822 116 52244	15k 5% 0,5W
3711	4822 116 80176	1Ω 5% 0,5W
3712	4822 051 10223	22k 2% 0,25W
3712	4822 051 10008	0Ω 5% 0,25W
3713	4822 051 10223	22k 2% 0,25W
3713	4822 051 10008	0Ω 5% 0,25W
3714	4822 051 10155	1M5 5% 0,25W
3716	4822 051 10103	10k 2% 0,25W
3717	4822 051 10103	10k 2% 0,25W
3718	4822 116 52215	220Ω 5% 0,5W
3719	4822 116 52215	220Ω 5% 0,5W
3720	4822 116 52215	220Ω 5% 0,5W
3721	4822 051 10103	10k 2% 0,25W
3722	4822 051 10103	10k 2% 0,25W
3723	4822 051 10103	10k 2% 0,25W
3724	4822 051 10103	10k 2% 0,25W
3725	4822 051 10103	10k 2% 0,25W
3726	4822 051 10103	10k 2% 0,25W
3727	4822 116 52175	100Ω 5% 0,5W
3728	4822 116 52175	100Ω 5% 0,5W
3729	4822 051 10911	910Ω 2% 0,25W
3730	4822 051 10221	220Ω 2% 0,25W
3731	4822 051 10103	10k 2% 0,25W
3732	4822 053 11103	10k 5% 2W
3732	4822 053 11332	3k3 5% 2W
3733	4822 116 52283	4k7 5% 0,5W
3733	4822 050 23902	3k9 1% 0,6W
3734	4822 116 52283	4k7 5% 0,5W
3734	4822 050 23902	3k9 1% 0,6W
3735	4822 051 10104	100k 2% 0,25W
3736	4822 116 52175	100Ω 5% 0,5W
3737	4822 116 52284	47k 5% 0,5W
3737	4822 116 52204	1k 5% 0,5W
3741	4822 051 10123	12k 2% 0,25W
3742	4822 051 10332	3k3 2% 0,25W
3743	4822 051 10472	4k7 2% 0,25W
3747	4822 051 10273	27k 2% 0,25W
3748	4822 051 10273	27k 2% 0,25W
3749	4822 051 10273	27k 2% 0,25W
3750	4822 051 10273	27k 2% 0,25W
3751	4822 051 10153	15k 2% 0,25W
3752	4822 051 10153	15k 2% 0,25W
3753	4822 051 10153	15k 2% 0,25W

Carrier panel (continued)



3754	4822 051 10153	15k 2% 0,25W
3755	4822 051 10008	0Ω 5% 0,25W
3755	4822 051 10101	100Ω 2% 0,25W
3756	4822 051 10101	100Ω 2% 0,25W
3757	4822 051 20222	2k2 5% 0,1W
3758	4822 051 10392	3k9 2% 0,25W
3759	4822 116 52175	100Ω 5% 0,5W
3768	4822 116 52235	1M 5% 0,5W
3770	4822 051 10473	47k 2% 0,25W
3771	4822 116 52251	18k 5% 0,5W
3772	4822 051 10392	3k9 2% 0,25W
3774	4822 051 10103	10k 2% 0,25W
3775	4822 051 10101	100Ω 2% 0,25W
3776	4822 051 10562	5k6 2% 0,25W
3777	4822 116 52264	27k 5% 0,5W
3778	4822 051 10563	56k 2% 0,25W
3779	4822 116 52233	10k 5% 0,5W
3780	4822 051 10103	10k 2% 0,25W
3781	4822 051 10472	4k7 2% 0,25W
3850	4822 116 52189	30Ω 5% 0,5W
3851	4822 116 80747	75Ω 5% 0,125W
3852	4822 116 80747	75Ω 5% 0,125W
3853	4822 116 80747	75Ω 5% 0,125W
3854	4822 116 80747	75Ω 5% 0,125W
3855	4822 116 52201	75Ω 5% 0,5W
3856	4822 051 10101	100Ω 2% 0,25W
3857	4822 051 10331	330Ω 2% 0,25W
3858	4822 051 10331	330Ω 2% 0,25W
3859	4822 051 10331	330Ω 2% 0,25W
3860	4822 116 80176	1Ω 5% 0,5W
3861	4822 051 10562	5k6 2% 0,25W
3866	4822 051 10103	10k 2% 0,25W
3867	4822 116 80747	75Ω 5% 0,125W
3868	4822 116 80747	75Ω 5% 0,125W
3869	4822 116 52175	100Ω 5% 0,5W
3871	4822 116 52175	100Ω 5% 0,5W
3874	4822 050 21008	1Ω 1% 0,6W
3875	4822 051 10102	1k 2% 0,25W
3880	4822 116 52204	1k 5% 0,5W
3881	4822 116 52224	470Ω 5% 0,5W
3882	4822 116 52224	470Ω 5% 0,5W
3883	4822 051 10104	100k 2% 0,25W
3884	4822 050 21004	100k 1% 0,6W
3885	4822 051 10223	22k 2% 0,25W
3886	4822 051 10472	4k7 2% 0,25W
3887	4822 116 52289	5k6 5% 0,5W
3888	4822 116 52207	1k2 5% 0,5W
3890	4822 051 10103	10k 2% 0,25W
4221	4822 051 10008	0Ω 5% 0,25W
4222	4822 051 10008	0Ω 5% 0,25W
4223	4822 051 10008	0Ω 5% 0,25W
4224	4822 051 10008	0Ω 5% 0,25W
4233	4822 051 10008	0Ω 5% 0,25W
4237	4822 051 10008	0Ω 5% 0,25W
4239	4822 051 10008	0Ω 5% 0,25W
4300	4822 051 10008	0Ω 5% 0,25W
4301	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4303	4822 051 10008	0Ω 5% 0,25W
4304	4822 051 10008	0Ω 5% 0,25W
4305	4822 051 10008	0Ω 5% 0,25W
4306	4822 051 10008	0Ω 5% 0,25W
4307	4822 051 10008	0Ω 5% 0,25W
4308	4822 051 10008	0Ω 5% 0,25W
4310	4822 051 10008	0Ω 5% 0,25W
4312	4822 051 10008	0Ω 5% 0,25W
4314	4822 051 10008	0Ω 5% 0,25W
4315	4822 051 10008	0Ω 5% 0,25W
4316	4822 051 10008	0Ω 5% 0,25W
4317	4822 051 10008	0Ω 5% 0,25W
4318	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10152	1k5 2% 0,25W
4320	4822 051 10008	0Ω 5% 0,25W



4321	4822 051 10008	0Ω 5% 0,25W
4322	4822 051 10008	0Ω 5% 0,25W
4323	4822 051 10008	0Ω 5% 0,25W
4324	4822 051 10008	0Ω 5% 0,25W
4325	4822 051 10008	0Ω 5% 0,25W
4326	4822 051 10008	0Ω 5% 0,25W
4329	4822 051 10008	0Ω 5% 0,25W
4450	4822 051 10008	0Ω 5% 0,25W
4451	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4500	4822 051 10008	0Ω 5% 0,25W
4501	4822 051 10008	0Ω 5% 0,25W
4502	4822 051 10008	0Ω 5% 0,25W
4503	4822 051 10008	0Ω 5% 0,25W
4504	4822 051 10008	0Ω 5% 0,25W
4505	4822 051 10008	0Ω 5% 0,25W
4506	4822 051 10008	0Ω 5% 0,25W
4507	4822 051 10008	0Ω 5% 0,25W
4602	4822 051 10008	0Ω 5% 0,25W
4603	4822 051 10008	0Ω 5% 0,25W
4604	4822 051 10008	0Ω 5% 0,25W
4605	4822 051 10008	0Ω 5% 0,25W
4700	4822 051 10008	0Ω 5% 0,25W
4701	4822 051 10008	0Ω 5% 0,25W
4704	4822 051 10008	0Ω 5% 0,25W
4706	4822 051 10008	0Ω 5% 0,25W
4707	4822 051 10008	0Ω 5% 0,25W
4708	4822 051 10008	0Ω 5% 0,25W
4709	4822 051 10008	0Ω 5% 0,25W
4710	4822 051 10008	0Ω 5% 0,25W
4711	4822 051 10008	0Ω 5% 0,25W
4712	4822 051 10008	0Ω 5% 0,25W
4713	4822 051 10008	0Ω 5% 0,25W
4714	4822 051 10008	0Ω 5% 0,25W
4715	4822 051 10008	0Ω 5% 0,25W
4716	4822 051 10008	0Ω 5% 0,25W
4718	4822 051 10008	0Ω 5% 0,25W
4720	4822 051 10008	0Ω 5% 0,25W
4721	4822 051 10008	0Ω 5% 0,25W
4723	4822 051 10008	0Ω 5% 0,25W
4850	4822 051 10008	0Ω 5% 0,25W
4851	4822 051 10008	0Ω 5% 0,25W
4852	4822 051 10008	0Ω 5% 0,25W
4853	4822 051 10008	0Ω 5% 0,25W
4854	4822 051 10008	0Ω 5% 0,25W
4855	4822 051 10008	0Ω 5% 0,25W
4856	4822 051 10008	0Ω 5% 0,25W
4857	4822 051 10008	0Ω 5% 0,25W
4858	4822 051 10008	0Ω 5% 0,25W
4859	4822 051 10008	0Ω 5% 0,25W
4862	4822 051 10008	0Ω 5% 0,25W
4863	4822 051 10008	0Ω 5% 0,25W
4865	4822 051 10008	0Ω 5% 0,25W
4866	4822 051 10008	0Ω 5% 0,25W
4867	4822 051 10008	0Ω 5% 0,25W

5240	4822 158 10551	27µH
5242	4822 158 10551	27µH
5301	4822 157 63075	7,95µH 8%
5303	4822 157 53906	47µH
5303	5322 157 51687	39µH 10%
5304	4822 157 63074	7,6µH
5306	4822 320 40081	470 NSEC
5530	4822 152 20559	390µH 10%
5534	4822 158 10728	coil 25"/28"
5534	4822 157 62771	coil 21"
5541	4822 157 63078	line driver
5545	4822 140 10417	L.O.T. 25"/28" non BL.L.
5545	4822 140 10414	L.O.T. 25"/28" BL.L.
5545	4822 140 10418	L.O.T. 21"



5549	4822 157 53069	coil balance
5554	4822 157 63079	AT4042/97 25"/28"
5554	4822 157 63161	AT4042/90G 21"
5582	5322 157 52539	15µH
5588	4822 157 52505	33µH 10%
5605	4822 157 53995	100µH 10%
5606	4822 157 53995	100µH 10%
5619	4822 156 21125	3,9µH 10% 25"/28"
5619	4822 157 51235	4µH 7 10% 21"
5621	4822 157 60412	150µH 10% 25"/28"
5621	4822 157 53903	180µH 10% 21"
5625	4822 148 81159	S.O.P.S. trafo 21"
5625	4822 148 81168	S.O.P.S. trafo 25"/28"
5630	4822 157 60387	1µH
5631	4822 158 10551	27µH
5632	4822 158 10551	27µH
5661	4822 152 20678	33µH 10%
5701	4822 157 52843	56µH 5%
5703	4822 157 52279	33µH 10%
5801	4822 157 53001	27µH 10%



6245	4822 130 30621	1N4148
6246	4822 130 81139	LLZ-C3V3
6247	4822 130 81139	LLZ-C3V3
6248	4822 130 80446	LL4148
6249	4822 130 80446	LL4148
6300	4822 130 80446	LL4148
6302	4822 130 34382	BZX79-C8V2
6303	4822 130 34382	BZX79-C8V2
6310	4822 130 80954	LLZ-C5V6
6315	4822 130 80446	LL4148
6316	4822 130 30621	1N4148
6317	4822 130 30621	1N4148
6318	4822 130 80446	LL4148
6367	4822 130 80884	LLZ-C5V1
6464	4822 130 81015	LLZ-C10
6465	4822 130 61219	BZX79-F10
6465	4822 130 80239	BZX79-F8V2
6465	4822 130 34281	BZX79-F15
6503	4822 130 42489	BYD33G
6504	4822 130 80446	LL4148
6518	4822 130 80446	LL4148
6519	4822 130 80446	LL4148
6546	4822 130 41275	BY228/20
6547	4822 130 41602	BYW95C/20
6548	4822 130 30621	1N4148
6549	4822 130 42488	BYD33D
6551	4822 130 42489	BYD33G
6560	4822 130 80446	LL4148
6561	4822 130 34383	BZX79-C47
6563	4822 130 80915	BYD74C
6570	4822 130 42488	BYD33D
6571	4822 130 42488	BYD33D
6580	4822 130 82512	BYV29F-400
6580	4822 130 32961	BYV28-200
6585	4822 130 42488	BYD33D
6590	4822 130 81141	LLZ-C43
6591	4822 130 30621	1N4148
6592	4822 130 80928	BZX79-C30
6610	4822 130 80446	LL4148
6611	4822 130 34268	LLZ-F16
6612	4822 130 30621	1N4148
6617	4822 130 31456	BZV85-C5V1
6621	4822 130 42488	BYD33D
6622	4822 130 30621	1N4148
6630	4822 130 33531	BY229F-600
6630	4822 130 81175	BYD74G
6640	4822 130 80914	BYD74B
6641	4822 130 80914	BYD74B
6646	4822 130 42488	BYD33D

Carrier panel (continued)



6648	4822 130 34488	BZX79-F12
6648	4822 130 61219	BZX79-F10
6649	4822 130 30621	1N4148
6660	4822 130 30621	1N4148
6661	4822 130 42488	BYD33D
6662	4822 130 80905	LLZ-F5V1
6663	4822 130 34281	BZX79-F15
6664	4822 130 61219	BZX79-F10
6664	4822 130 30862	BZX79-F9V1
6665	4822 130 80883	LLZ-C4V7
6666	4822 130 80887	LLZ-C36
6666	4822 130 81141	LLZ-C43
6669	4822 130 80446	LL4148
6670	4822 130 20245	SF0Ω5D43
6675	4822 130 80914	BYD74B
6675	4822 130 42488	BYD33D
6705	4822 130 80905	LLZ-F5V1
6707	4822 209 72895	TLUV5320
6708	4822 130 81145	LLZ-F2V4
6709	4822 130 82037	HZT33



7000	5322 130 42012	BC858A
7001	5322 130 42012	BC858A
7002	5322 130 42012	BC858A
7003	4822 130 42133	BC817
7240	4822 209 73253	TDA2613/N1
7240	4822 209 73853	TDA1521/N4
7243	5322 130 42012	BC858
7244	4822 130 42513	BC858C
7245	5322 130 42136	BC848C
7246	5322 130 42136	BC848C
7247	5322 130 42136	BC848C
7248	4822 130 61207	BC848
7249	4822 130 61207	BC848
7301	4822 130 61207	BC848
7302	5322 130 42012	BC858
7303	4822 130 61207	BC848
7305	4822 209 70019	TDA4510/V2/S8
7306	4822 209 63109	TDA4650/V3
7307	4822 209 63108	TDA4660/V2
7308	4822 209 71512	TDA4565/V6
7309	4822 209 63733	TDA4680/V5
7310	4822 130 61207	BC848
7311	5322 209 10576	4053B
7312	5322 209 10576	4053B
7341	4822 130 61207	BC848
7370	4822 130 61207	BC848
7371	4822 130 61207	BC848
7372	4822 130 61207	BC848
7373	4822 130 61207	BC848
7374	4822 130 61207	BC848
7455	5322 130 42012	BC858
7470	4822 209 63297	TDA2579B/N1
7500	4822 130 41344	BC337-40
7502	4822 130 60775	2SD1266P
7503	4822 130 61236	BD234
7504	4822 130 61207	BC848
7505	5322 130 42012	BC858
7530	4822 130 61207	BC848
7533	4822 130 60111	2SA1359
7534	4822 130 44283	BC636
7540	4822 130 41344	BC337-40
7545	4822 130 61265	BU508AF
7546	4822 130 62677	BUT11AF/1
7591	5322 130 42012	BC858
7600	4822 209 63735	TDA8385/N2
7614	4822 209 63732	CNR50
7625	4822 130 43919	BUT12AF
7661	5322 130 44921	BD943
7663	4822 130 42513	BC858C
7671	4822 130 61207	BC848



7672	4822 130 61207	BC848
7701	5322 130 42012	BC858A
7702	4822 130 61207	BC848
7703	4822 130 61207	BC848
7704	4822 130 61207	BC848
7705	4822 130 61207	BC848
7706	4822 130 61207	BC848
7707	4822 130 61207	BC848
7708	4822 209 63872	TMP47C1237N-U105 GR2VSL1
7708	4822 209 63947	TMP47C1237N-U107 GR2VSL2
7708	4822 209 63861	TMP47C1637N-U208 GR2FSL2
7708	4822 209 63875	TMP47C1637N-U211 GR2FSL1
7709	4822 130 61207	BC848
7710	4822 209 62098	ST24C02CP
7711	4822 130 61207	BC848
7712	4822 130 61207	BC848
7805	4822 130 61207	BC848
7810	4822 130 61207	BC848

Mains module

	4822 212 23664	mains mod.
10	4822 265 30389	2P MALE
32	4822 265 30389	2P MALE
33	4822 265 30877	3P MALE



2601	4822 121 40487	100n 400V



3601	4822 116 40211	PTC/NTC
3607	4822 050 23901	390Ω



5600	4822 157 63073	filter



6602	4822 130 31933	1N5061
6603	4822 130 31933	1N5061
6604	4822 130 31933	1N5061
6605	4822 130 31933	1N5061

CRT modules

	4822 212 23675	CRT MOD. 25"/28" BL.L.
	4822 212 23676	CRT MOD. 25"/28" NON BL.L.
	4822 212 23678	CRT MOD. 21"

19	4822 265 30378	4P MALE
20	4822 290 40295	7P MALE
21	4822 255 70261	CRT SOCKET 25"/28"
21	4822 255 70251	CRT SOCKET 21"

2301	4822 122 31961	68pF 5% 63V
2301	4822 122 31825	27pF 10% 50V
2301	4822 122 32482	22pF 5% 63V
2331	4822 122 31774	56pF 5% 50V
2331	4822 122 31825	27pF 10% 50V
2331	4822 122 32482	22pF 5% 63V
2361	4822 122 31774	56pF 5% 50V
2361	4822 122 32482	22pF 5% 63V
2361	4822 122 31825	27pF 10% 50V
2391	4822 121 43878	27pF 2% 500V
2392	4822 124 40246	4,7µF 20% 63V
2392	4822 124 41577	4,7µF 20% 50V
2411	4822 124 40849	330µF 20% 16V
2412	4822 122 33496	100nF 10% 63V
2421	4822 122 31772	47pF 5% 50V
2431	4822 121 41689	100nF 10% 250V
2432	4822 124 41506	47µF 20% 16V
2433	5322 121 50885	33nF 5% 1kV
2434	5322 122 32334	220pF 10% 100V

3301	4822 051 10131	130Ω 2% 0,25W
3302	4822 051 10152	1k5 2% 0,25W
3302	4822 051 10162	1k6 2% 0,25W
3302	4822 051 10362	3k6 2% 0,25W
3303	4822 051 10272	2k7 2% 0,25W
3304	4822 116 52239	120k 5% 0,5W
3305	4822 116 52283	4k7 5% 0,5W
3306	4822 116 52283	4k7 5% 0,5W
3307	4822 116 52283	4k7 5% 0,5W
3308	4822 051 10479	47Ω 2% 0,25W
3308	4822 051 10118	1Ω1 5% 0,25W
3310	4822 116 52219	330Ω 5% 0,5W
3311	4822 053 12123	12k 5% 3W
3311	4822 053 12153	15k 5% 3W
3312	4822 052 10271	270Ω 5% 0,33W
3313	4822 052 10271	270Ω 5% 0,33W
3314	4822 050 21502	1k5 1% 0,6W
3315	4822 051 10124	120k 2% 0,25W
3316	4822 051 10124	120k 2% 0,25W
3331	4822 051 10131	130Ω 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3332	4822 051 10162	1k6 2% 0,25W
3332	4822 051 10362	3k6 2% 0,25W
3333	4822 051 10272	2k7 2% 0,25W
3334	4822 116 52239	120k 5% 0,5W
3335	4822 116 52283	4k7 5% 0,5W
3336	4822 116 52283	4k7 5% 0,5W
3337	4822 116 52283	4k7 5% 0,5W
3339	4822 051 10479	47Ω 2% 0,25W
3339	4822 051 10118	1Ω1 5% 0,25W
3340	4822 116 52219	330Ω 5% 0,5W
3341	4822 053 12153	15k 5% 3W
3342	4822 052 10271	270Ω 5% 0,33W
3343	4822 052 10271	270Ω 5% 0,33W
3344	4822 050 21502	1k5 1% 0,6W
3345	4822 051 10681	680Ω 2% 0,25W
3361	4822 116 52208	130Ω 5% 0,5W
3361	4822 051 10131	130Ω 2% 0,25W
3362	4822 051 10152	1k5 2% 0,25W
3362	4822 051 10162	1k6 2% 0,25W
3362	4822 051 10362	3k6 2% 0,25W
3363	4822 051 10272	2k7 2% 0,25W
3364	4822 116 52239	120k 5% 0,5W
3365	4822 116 52283	4k7 5% 0,5W
3366	4822 116 52283	4k7 5% 0,5W
3367	4822 116 52283	4k7 5% 0,5W
3368	4822 051 10479	47Ω 2% 0,25W
3369	4822 051 10479	47Ω 2% 0,25W
3369	4822 051 10118	1Ω1 5% 0,25W
3370	4822 116 52219	330Ω 5% 0,5W
3371	4822 053 12103	10k 5% 3W
3371	4822 053 12153	15k 5% 3W
3372	4822 052 10271	270Ω 5% 0,33W
3373	4822 052 10271	270Ω 5% 0,33W
3374	4822 050 21502	1k5 1% 0,6W
3391	4822 051 10104	100k 2% 0,25W
3392	4822 051 10104	100k 2% 0,25W
3393	4822 116 52234	100k 5% 0,5W
3393	4822 050 28203	82k 1% 0,6W
3394	4822 051 10333	33k 2% 0,25W
3394	4822 116 52267	30k 5% 0,5W
3395	4822 051 10683	68k 2% 0,25W
3396	4822 051 10124	120k 2% 0,25W
3397	4822 051 10124	120k 2% 0,25W
3411	4822 051 10182	1k8 2% 0,25W
3411	4822 116 52243	1k5 5% 0,5W
3412	4822 116 52224	470Ω 5% 0,5W
3413	4822 116 52218	300Ω 5% 0,5W
3413	4822 051 10221	220Ω 2% 0,25W
3414	4822 051 10519	51Ω 2% 0,25W
3414	4822 051 10479	47Ω 2% 0,25W
3415	4822 116 52218	300Ω 5% 0,5W
3415	4822 051 10221	220Ω 2% 0,25W
3421	4822 051 10104	100k 2% 0,25W
3422	4822 051 10682	6k8 2% 0,25W
3422	4822 050 26802	6k8 1% 0,6W
3423	4822 051 10474	470k 2% 0,25W
3423	4822 116 52285	470k 5% 0,5W
3431	4822 052 10181	180Ω 5% 0,33W
3432	4822 052 10399	39Ω 5% 0,33W
3433	4822 052 10108	1Ω 5% 0,33W
3434	4822 050 21502	1k5 1% 0,6W
3435	4822 050 21502	1k5 1% 0,6W
3436	4822 050 21805	1M8 1% 0,6W
4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4008	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4010	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W

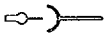
5401	4822 156 20915	33µH
5401	4822 158 10563	82µH 7,5%

6301	4822 130 80877	BAV103
6331	4822 130 80877	BAV103
6345	4822 130 81015	BZV55-F10
6361	4822 130 80877	BAV103
6411	4822 130 80879	BZV55-C3V0
6421	4822 130 80446	LL4148

7301	4822 130 41773	BF869
7301	4822 130 41782	BF422
7303	4822 130 61207	BC848
7304	4822 130 41782	BF422
7304	4822 130 41782	BF422
7305	4822 130 41646	BF423
7332	4822 130 41773	BF869
7332	4822 130 41782	BF422
7333	4822 130 61207	BC848
7334	4822 130 41782	BF422
7335	4822 130 41646	BF423
7345	5322 130 42012	BC858A
7362	4822 130 41773	BF869
7362	4822 130 41782	BF422
7363	4822 130 61207	BC848
7364	4822 130 41782	BF422
7365	4822 130 41646	BF423
7391	4822 130 41646	BF423
7411	4822 130 40938	BC548
7421	5322 130 41983	BC858B

Euro module

1006	4822 212 23666	EURO MODULE



23	4822 265 40442	10P MALE
26	4822 265 40442	10P MALE
30	4822 265 41086	9P MALE
32	4822 267 40666	3P MALE
48	4822 267 60247	EURO CONNECTOR



2800	4822 121 51252	470nF 5% 63V
2801	4822 121 51252	470nF 5% 63V
2802	4822 121 51252	470nF 5% 63V
2803	4822 121 51252	470nF 5% 63V
2804	4822 122 33496	100nF 10% 63V
2805	4822 122 33496	100nF 10% 63V
2806	4822 122 33496	100nF 10% 63V
2807	4822 124 41506	47µF 20% 16V
2810	4822 122 32142	270pF 5% 63V
2811	4822 122 32142	270pF 5% 63V
2812	4822 122 33496	100nF 10% 63V
2813	4822 122 32542	47nF 10% 63V
2814	4822 122 31759	18nF
2815	4822 122 33496	100nF 10% 63V
2816	4822 122 33496	100nF 10% 63V
2817	4822 122 33496	100nF 10% 63V
2818	4822 122 33496	100nF 10% 63V
2819	4822 124 41525	100µF 20% 25V
2820	5322 121 42386	100nF 5% 63V
2821	4822 124 40433	47µF 20% 25V
2822	4822 124 40435	10µF 20% 50V
2823	4822 122 33496	100nF 10% 63V
2831	4822 124 40272	33µF 20% 16V
2833	4822 122 33496	100nF 10% 63V
2834	4822 122 33496	100nF 10% 63V



3800	4822 116 52189	30Ω 5% 0,5W
3801	4822 116 80747	75Ω 5% 0,125W
3802	4822 116 52211	150Ω 5% 0,5W
3803	4822 116 52211	150Ω 5% 0,5W
3804	4822 116 52204	1k 5% 0,5W
3805	4822 116 52204	1k 5% 0,5W
3806	4822 051 10334	330k 2% 0,25W
3807	4822 051 10334	330k 2% 0,25W
3808	4822 051 10334	330k 2% 0,25W
3809	4822 051 10334	330k 2% 0,25W
3810	4822 051 10622	6k2 2% 0,25W
3811	4822 051 10182	1k8 2% 0,25W
3812	4822 051 10331	330Ω 2% 0,25W
3813	4822 116 52201	75Ω 5% 0,5W
3814	4822 051 10152	1k5 2% 0,25W
3815	4822 051 10472	4k7 2% 0,25W
3816	4822 116 52296	6k8 5% 0,5W
3819	4822 051 10331	330Ω 2% 0,25W
3820	4822 051 10331	330Ω 2% 0,25W
3821	4822 051 10331	330Ω 2% 0,25W
3822	4822 051 10331	330Ω 2% 0,25W
3823	4822 051 10561	560Ω 2% 0,25W
3824	4822 051 10151	150Ω 2% 0,25W
3825	4822 051 10223	22k 2% 0,25W
3826	4822 051 10102	1k 2% 0,25W
3827	4822 051 10339	33Ω 2% 0,25W
3828	4822 051 10562	5k6 2% 0,25W
3829	4822 051 10821	820Ω 2% 0,25W
3830	4822 051 10683	68k 2% 0,25W
3831	4822 051 10123	12k 2% 0,25W
3833	4822 051 10279	27Ω 2% 0,25W



3834	4822 051 10279	27Ω 2% 0,25W
3835	4822 051 10221	220Ω 2% 0,25W
3836	4822 051 10102	1k 2% 0,25W
3837	4822 052 10278	2Ω7 5% 0,33W
3838	4822 116 80747	75Ω 5% 0,125W
4851	4822 051 10008	0Ω 5% 0,25W
4852	4822 051 10008	0Ω 5% 0,25W
4854	4822 051 10008	0Ω 5% 0,25W
4855	4822 051 10008	0Ω 5% 0,25W
4856	4822 051 10008	0Ω 5% 0,25W
4858	4822 051 10008	0Ω 5% 0,25W

5800	4822 157 51462	10µH



6800	4822 130 80954	LLZ-C5V6
6801	4822 130 80446	LL4148
6802	4822 130 80446	LL4148
6803	4822 130 30621	1N4148



7800	5322 130 44921	BD943
7801	5322 209 10576	4053B
7802	5322 209 10576	4053B
7820	4822 130 61207	BC848
7821	5322 130 42136	BC848C
7822	5322 130 42012	BC858
7823	4822 130 61207	BC848
7824	4822 130 61207	BC848

Mono IF/sound module

	4822 212 23688	IF MOD. MULTI
	4822 212 23689	IF MOD. PAL/SECAM BG
	4822 212 23694	IF MOD. PAL I

various

1010	4822 242 72212	OFWG3950
1010	4822 242 72374	OFWG1961
1010	4822 242 70936	OFWJ1952
1042	4822 242 72211	TPS 5,5MHz
1043	4822 153 30025	6MHz
1102	4822 242 70714	SFT5,5MA
1103	4822 242 71841	SFT6,0MA



2011	4822 124 40435	10µF 20% 50V
2012	4822 124 41577	4,7µF 20% 50V
2013	4822 122 31784	4,7nF 10% 50V
2014	4822 122 31784	4,7nF 10% 50V
2014	4822 122 31797	22nF 10% 63V
2015	5322 121 42498	680nF 5% 63V
2016	4822 122 31784	4,7nF 10% 50V
2017	4822 122 33496	100nF 10% 63V
2018	4822 121 51252	470nF 5% 63V
2019	4822 122 31784	4,7nF 10% 50V
2020	4822 122 33205	12pF 10% 63V
2021	4822 122 33205	12pF 10% 63V
2022	4822 122 33472	22pF 2%
2025	4822 122 31784	4,7nF 10% 50V
2035	4822 122 32507	6,8pF 5% 50V
2036	4822 122 31766	120pF 5% 50V
2037	4822 122 31766	120pF 5% 50V
2038	4822 122 31784	4,7nF 10% 50V
2039	4822 122 32504	15pF 5% 50V
2040	4822 122 31784	4,7nF 10% 50V
2041	4822 122 31784	4,7nF 10% 50V
2042	4822 122 33205	12pF 10% 63V
2044	4822 122 31797	22nF 10% 63V
2047	4822 122 33496	100nF 10% 63V
2048	4822 124 41506	47µF 20% 16V
2049	4822 122 33496	100nF 10% 63V
2050	4822 124 40849	330µF 20% 16V
2055	4822 122 31972	39pF 5% 50V
2056	4822 124 40435	10µF 20% 50V
2057	4822 122 31981	33nF ±0,5pF 50V
2058	4822 122 31797	22nF 10% 63V
2059	4822 124 41566	3,3µF 20% 50V
2060	4822 122 31797	22nF 10% 63V
2100	4822 122 33205	12pF 10% 63V
2101	4822 122 33473	27pF 2%
2102	4822 122 32507	6,8pF 5% 50V
2104	4822 122 33474	47pF 2%
2105	4822 122 33465	39pF 2%
2106	4822 122 31792	1,5pF 10% 50V
2107	4822 122 33465	39pF 2%
2108	4822 122 31784	4,7nF 10% 50V
2109	4822 122 33473	27pF 2%
2110	5322 126 10514	0,47pF 5% 63V
2111	4822 122 31784	4,7nF 10% 50V
2113	4822 124 41596	22µF 20% 50V
2114	4822 122 31784	4,7nF 10% 50V
2115	4822 124 41577	4,7µF 20% 50V
2116	4822 124 40435	10µF 20% 50V
2117	4822 124 41576	2,2µF 20% 50V
2118	4822 124 40432	1500µF 20% 25V
2124	4822 122 32442	10nF 50V
2125	4822 124 40195	150µF 20% 16V
2126	4822 121 43898	8,2nF 10% 50V
2127	5322 121 42661	330nF 5% 63V
2129	5322 121 42661	330nF 5% 63V
2130	5322 121 42661	330nF 5% 63V
2132	4822 122 31797	22nF 10% 63V

Mono IF/sound module (continued)

2133	4822 122 31797	22nF 10% 63V
2134	4822 124 41596	22µF 20% 50V
2135	4822 121 42408	220nF 5% 63V
2136	5322 121 42661	330nF 5% 63V
2137	4822 126 11381	820pF 2%
2137	4822 122 31746	1000pF 5% 50V
2141	4822 124 41577	4,7µF 20% 50V
2143	4822 122 31797	22nF 10% 63V
2150	4822 121 42408	220nF 5% 63V
2151	4822 124 40195	150µF 20% 16V

3012	4822 051 10562	5k6 2% 0,25W
3013	4822 051 10273	27k 2% 0,25W
3014	4822 051 10823	82k 2% 0,25W
3015	4822 051 10104	100k 2% 0,25W
3015	4822 051 10473	47k 2% 0,25W
3016	4822 100 11163	100k 30% LIN 0,1W
3017	4822 051 10823	82k 2% 0,25W
3019	4822 051 10473	47k 2% 0,25W
3020	4822 051 10223	22k 2% 0,25W
3020	4822 051 10273	27k 2% 0,25W
3021	4822 051 10273	27k 2% 0,25W
3021	4822 051 20183	18k 5% 0,1W
3022	4822 051 10151	150Ω 2% 0,25W
3022	4822 051 10008	0Ω 5% 0,25W
3024	4822 051 20222	2k2 5% 0,1W
3025	4822 051 10562	5k6 2% 0,25W
3030	4822 051 10223	22k 2% 0,25W
3031	4822 051 10474	470k 2% 0,25W
3036	4822 051 10472	4k7 2% 0,25W
3037	4822 051 10392	3k9 2% 0,25W
3038	4822 051 10472	4k7 2% 0,25W
3039	4822 051 10392	3k9 2% 0,25W
3040	4822 051 10472	4k7 2% 0,25W
3041	4822 051 10221	220Ω 2% 0,25W
3042	4822 051 10101	100Ω 2% 0,25W
3042	4822 051 10221	220Ω 2% 0,25W
3043	4822 116 52175	100Ω 5% 0,5W
3044	4822 051 10102	1k 2% 0,25W
3044	4822 051 10271	270Ω 2% 0,25W
3046	4822 051 10681	680Ω 2% 0,25W
3047	4822 051 10822	8k2 2% 0,25W
3048	4822 100 11683	2k 30% LIN 0,2W
3049	4822 051 20183	18k 5% 0,1W
3050	4822 051 10272	2k7 2% 0,25W
3051	4822 051 10563	56k 2% 0,25W
3052	4822 051 10471	470Ω 2% 0,25W
3052	4822 051 10561	560Ω 2% 0,25W
3055	4822 051 10103	10k 2% 0,25W
3056	4822 051 10471	470Ω 2% 0,25W
3058	4822 051 10682	6k8 2% 0,25W
3060	4822 051 10471	470Ω 2% 0,25W
3061	4822 051 10124	120k 2% 0,25W
3062	4822 051 10563	56k 2% 0,25W
3063	4822 051 10272	2k7 2% 0,25W
3064	4822 051 10563	56k 2% 0,25W
3065	4822 051 10223	22k 2% 0,25W
3066	4822 051 10824	820k 2% 0,25W
3067	4822 051 10331	330Ω 2% 0,25W
3068	4822 051 10152	1k5 2% 0,25W
3080	4822 051 10102	1k 2% 0,25W
3080	4822 051 20222	2k2 5% 0,1W
3080	4822 051 10332	3k3 2% 0,25W
3100	4822 051 10104	100k 2% 0,25W
3101	4822 051 10562	5k6 2% 0,25W
3102	4822 051 20222	2k2 5% 0,1W
3103	4822 051 10104	100k 2% 0,25W
3104	4822 051 10479	47Ω 2% 0,25W
3105	4822 053 11271	270Ω 5% 2W
3107	4822 051 10151	150Ω 2% 0,25W
3108	4822 051 10333	33k 2% 0,25W
3109	4822 051 10223	22k 2% 0,25W
3112	4822 051 10472	4k7 2% 0,25W
3114	4822 051 10472	4k7 2% 0,25W
3114	4822 051 10182	1k8 2% 0,25W
3116	4822 116 52263	2k7 5% 0,5W
3117	4822 051 10104	100k 2% 0,25W
3118	4822 051 10472	4k7 2% 0,25W
3118	4822 051 20222	2k2 5% 0,1W
3119	4822 051 10472	4k7 2% 0,25W
3120	4822 051 10472	4k7 2% 0,25W
3121	4822 051 10104	100k 2% 0,25W
3124	4822 051 10103	10k 2% 0,25W
3125	4822 051 10103	10k 2% 0,25W
3126	4822 051 10153	15k 2% 0,25W
3127	4822 051 10153	15k 2% 0,25W
3129	4822 051 10822	8k2 2% 0,25W
3130	4822 051 10682	6k8 2% 0,25W
3131	4822 051 10102	1k 2% 0,25W
3132	4822 051 10392	3k9 2% 0,25W
3140	4822 051 10153	15k 2% 0,25W
3141	4822 051 10392	3k9 2% 0,25W
3142	4822 051 10273	27k 2% 0,25W
3143	4822 051 10182	1k8 2% 0,25W
3144	4822 051 10182	1k8 2% 0,25W
4010	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W

5005	4822 157 53539	0,27µH 5%
5010	4822 157 63081	0,56µH 20%
5035	4822 157 53534	0,34µH 5%
5036	4822 157 53609	0,36µH 5%
5037	4822 157 53537	1,35µH 5%
5038	4822 157 63076	1,2µH 5%
5039	4822 157 52983	22µH
5041	4822 157 52983	22µH
5041	4822 157 53001	27µH 10%
5042	4822 157 53634	5,6µH 10%
5042	4822 152 20677	10µH
5100	4822 157 53538	0,75µH 5%
5101	4822 157 53535	0,36µH 5%
5102	4822 157 53536	0,34µH 5%
5105	4822 157 52511	0,83µH

6005	4822 130 80888	BA682
6037	4822 130 80888	BA682
6038	4822 130 80888	BA682
6039	4822 130 30621	1N4148
6040	4822 130 80446	BAS32L
6041	4822 130 80446	BAS32L
6042	4822 130 80446	BAS32L
6043	4822 130 80446	BAS32L
6101	4822 130 80888	BA682
6102	4822 130 80888	BA682
6103	4822 130 80888	BA682
6104	4822 130 80888	BA682
6108	4822 130 80888	BA682
6112	4822 130 80884	LLZ-C5V1

7000	4822 209 72812	TDA2549/C4
7030	5322 130 42012	BC858
7031	4822 130 61207	BC848
7035	4822 130 44121	BC338
7040	5322 130 42012	BC858A
7041	4822 130 61207	BC848
7100	4822 209 63105	TDA3843/V2
7101	4822 209 63217	TDA3827/V2
7102	4822 130 61207	BC848
7103	5322 130 42136	BC848C
7104	5322 130 41982	BC848B

Stereo IF/sound module

	4822 212 23663	IF MOD. MULTI
	4822 212 23687	IF MOD. NON MULTI

various

1010	4822 242 80205	OFWK3261
1010	4822 242 72554	OFWG3254
1042	4822 242 72211	TPS 5,5MW
1101	4822 242 70485	SFT5,74MA
1102	4822 242 71713	SFE6,0MBF
1103	4822 242 70714	SFT5,5MA
1200	4822 242 80208	10 MHz

2011	4822 124 41506	47µF 20% 16V
2012	4822 124 41577	4,7µF 20% 50V
2013	4822 122 31784	4,7nF 10% 50V
2014	4822 122 31797	22nF 10% 63V
2015	5322 121 42498	680nF 5% 63V
2016	4822 122 31784	4,7nF 10% 50V
2017	4822 122 33496	100nF 10% 63V
2018	4822 121 51252	470nF 5% 63V
2035	4822 122 32506	5,6pF 5% 50V
2035	4822 051 10472	4k7 2% 0,25W
2036	4822 122 31784	4,7nF 10% 50V
2037	4822 122 31784	4,7nF 10% 50V
2038	4822 122 33496	100nF 10% 63V
2039	4822 122 32083	8,2pF 5% 50V
2039	4822 051 10682	6k8 2% 0,25W
2040	4822 122 31784	4,7nF 10% 50V
2041	4822 122 31784	4,7nF 10% 50V
2042	4822 122 33205	12pF 10% 63V
2044	4822 122 31797	22nF 10% 63V
2047	4822 122 33496	100nF 10% 63V
2048	4822 124 41506	47µF 20% 16V
2049	4822 122 33496	100nF 10% 63V
2050	4822 124 40849	330µF 20% 16V
2051	4822 122 33496	100nF 10% 63V
2055	4822 122 31972	39pF 5% 50V
2056	4822 124 40435	10µF 20% 50V
2057	4822 122 31981	33nF 5% 50V
2058	4822 122 31797	22nF 10% 63V
2059	4822 124 41407	0,47µF 20% 63V
2100	4822 122 33205	12pF 10% 63V
2101	4822 122 33473	27pF 2%
2102	4822 122 32507	6,8pF 5% 50V
2104	4822 122 33465	39pF 2%
2105	4822 126 11379	33pF 2%
2106	4822 122 31792	1,5pF 10% 50V
2107	4822 122 33465	39pF 2%
2108	4822 122 31784	4,7nF 10% 50V
2109	4822 122 33473	27pF 2%
2110	4822 122 32507	6,8pF 5% 50V
2111	4822 122 31784	4,7nF 10% 50V
2112	4822 122 32505	2,7pF 5% 50V
2113	4822 124 40435	10µF 20% 50V
2114	4822 122 32442	10nF 50V
2115	4822 124 41509	33µF 20% 35V
2117	4822 124 41576	2,2µF 20% 50V
2118	4822 124 41576	2,2µF 20% 50V
2119	4822 122 31797	22nF 10% 63V
2120	4822 124 41576	2,2µF 20% 50V
2122	4822 122 33496	100nF 10% 63V
2123	4822 124 41577	4,7µF 20% 50V
2123	4822 124 40242	1µF 20% 63V
2124	4822 124 41576	2,2µF 20% 50V
2125	4822 122 10527	910pF 2% NPO 50V
2126	4822 122 31784	4,7nF 10% 50V
2127	4822 126 11381	820pF 2% NPO
2127	4822 122 31746	1000pF 5% 50V
2128	4822 126 11381	820pF 2% NPO
2129	4822 122 33476	220pF 2% 50V
2130	4822 124 40195	150µF 20% 16V
2133	4822 122 31797	22nF 10% 63V
2200	4822 121 51252	470nF 5% 63V
2201	4822 121 51252	470nF 5% 63V
2202	4822 121 51252	470nF 5% 63V
2203	4822 122 31916	5,6nF 10% 63V
2204	4822 121 42408	220nF 5% 63V
2204	4822 121 42408	220nF 5% 63V
2205	4822 122 32893	100nF 80% 50V
2206	4822 121 51252	470nF 5% 63V
2207	4822 121 51252	470nF 5% 63V
2208	4822 124 41509	33µF 20% 35V
2209	4822 124 41509	33µF 20% 35V
2210	4822 122 32893	100nF 80% 50V
2211	4822 124 40198	470µF 20% 16V
2212	4822 124 40435	10µF 20% 50V
2213	4822 122 31782	15000pF 10% 50V
2214	4822 122 31782	15000pF 10% 50V
2215	4822 122 31981	33nF ±0,5pF 50V
2216	4822 122 31916	5,6nF 10% 63V
2217	4822 122 31981	33nF ±0,5pF 50V
2218	4822 122 31916	5,6nF 10% 63V
2219	4822 124 41577	4,7µF 20% 50V
2220	4822 124 41577	4,7µF 20% 50V
2221	4822 124 41577	4,7µF 20% 50V
2222	4822 124 41643	100µF 20% 16V

3012	4822 051 10562	5k6 2% 0,25W
3013	4822 051 10273	27k 2% 0,25W
3014	4822 051 10823	82k 2% 0,25W
3015	4822 116 52234	100k 5% 0,5W
3016	4822 100 11163	100k 30% LIN 0,1W
3017	4822 051 10823	82k 2% 0,25W
3019	4822 051 10473	47k 2% 0,25W
3020	4822 051 10273	27k 2% 0,25W
3021	4822 051 20183	18k 5% 0,1W
3030	4822 051 10223	22k 2% 0,25W
3031	4822 051 10474	470k 2% 0,25W
3036	4822 051 10472	4k7 2% 0,25W
3037	4822 051 10392	3k9 2% 0,25W
3038	4822 051 10472	4k7 2% 0,25W
3039	4822 051 10472	4k7 2% 0,25W
3040	4822 051 10472	4k7 2% 0,25W
3041	4822 051 10221	220Ω 2% 0,25W
3042	4822 051 10151	150Ω 2% 0,25W
3042	4822 116 90536	120Ω 1% 0,125W
3043	4822 116 52175	100Ω 5% 0,5W
3044	4822 051 10102	1k 2% 0,25W
3044	4822 051 10271	270Ω 2% 0,25W
3046	4822 116 52228	680Ω 5% 0,5W
3047	4822 051 10822	8k2 2% 0,25W
3048	4822 100 11683	2k 30% LIN 0,2W
3049	4822 051 20183	18k 5% 0,1W
3050	4822 051 10272	2k7 2% 0,25W
3051	4822 051 10563	56k 2% 0,25W
3052	4822 051 10102	1k 2% 0,25W
3055	4822 051 10103	10k 2% 0,25W
3056	4822 051 10471	470Ω 2% 0,25W
3060	4822 051 10471	470Ω 2% 0,25W
3061	4822 051 10124	120k 2% 0,25W
3062	4822 051 10563	56k 2% 0,25W
3063	4822 051 10272	2k7 2% 0,25W
3064	4822 051 10224	220k 2% 0,25W
3065	4822 051 10472	4k7 2% 0,25W
3065	4822 051 10124	120k 2% 0,25W
3066	4822 051 10824	820k 2% 0,25W
3070	4822 051 10822	8k2 2% 0,25W
3100	4822 051 10104	100k 2% 0,25W
3101	4822 051 10562	5k6 2% 0,25W
3102	4822 051 20222	2k2 5% 0,1W
3103	4822 051 10104	100k 2% 0,25W
3105	4822 053 11121	120Ω 5% 2W
3106	4822 051 10561	560Ω 2% 0,25W
3107	4822 051 10102	1k 2% 0,25W
3108	4822 051 10561	560Ω 2% 0,25W
3109	4822 051 10562	5k6 2% 0,25W
3110	4822 051 10562	5k6 2% 0,25W
3112	4822 051 10562	5k6 2% 0,25W
3113	4822 051 10562	5k6 2% 0,25W
3115	4822 051 10331	330Ω 2% 0,25W
3117	4822 051 10561	560Ω 2% 0,25W
3117	4822 051 10681	680Ω 2% 0,25W
3119	4822 051 10562	5k6 2% 0,25W
3120	4822 051 10562	5k6 2% 0,25W
3121	4822 051 10562	5k6 2% 0,25W
3122	4822 051 10122	1k2 2% 0,25W
3123	4822 051 10561	560Ω 2% 0,25W
3124	4822 051 20222	2k2 5% 0,1W
3125	4822 051 10102	1k 2% 0,25W
3126	4822 051 10102	1k 2% 0,25W
3127	4822 051 10152	1k5 2% 0,25W
3128	4822 051 10182	1k8 2% 0,25W
3200	4822 051 10331	330Ω 2% 0,25W
3201	4822 051 10331	330Ω 2% 0,25W
3202	4822 051 10563	56k 2% 0,25W
3203	4822 051 10563	56k 2% 0,25W
3204	4822 100 11676	10k 30% LIN 0,2W
3205	4822 052 10229	22Ω 5% 0,33W
3206	4822 051 10478	4Ω7 5% 0,25W
3207	4822 051 10273	27k 2% 0,25W
3208	4822 051 10272	2k7 2% 0,25W
3209	4822 051 10333	33k 2% 0,25W
3210	4822 116 52204	1k 5% 0,5W
3211	4822 051 10101	100Ω 2% 0,25W
3213	4822 116 52233	10k 5% 0,5W
3214	4822 051 10102	1k 2% 0,25W
4010	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4040	4822 051 10008	0Ω 5% 0,25W
4041	4822 051 10008	0Ω 5% 0,25W
4042	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W
4101	4822 051 10008	0Ω 5% 0,25W
4102	4822 051 10008	0Ω 5% 0,25W
4103	4822 051 10008	0Ω 5% 0,25W
4104	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4201	4822 051 10008	0Ω 5% 0,25W
4204	4822 051 10008	0Ω 5% 0,25W
4205	4822 051 10008	0Ω 5% 0,25W

5010	4822 157 63081	0,56µH 20%
5010	4822 157 53302	1µH 20%
5035	4822 157 53534	0,34µH 5%
5036	4822 157 53609	0,36µH 5%
5037	4822 157 53537	1,35µH 5%
5038	4822 157 63076	1,2µH 5%
5039	4822 152 20678	33µH 10%
5042	4822 157 62767	8,2µH 10%
5042	4822 157 53634	5,6µH 10%
5100	4822 157 53538	0,75µH 5%
5101	4822 157 53535	0,36µH 5%
5102	4822 157 53536	0,34µH 5%

Stereo IF/sound module (cont.)

5103	4822 157 52511	0,83µH
5104	4822 157 63077	0,25µH 5%
5105	4822 157 52511	0,83µH

6037	4822 130 80888	BA682
6038	4822 130 80888	BA682
6039	4822 130 30621	1N4148
6040	4822 130 80446	BAS32L
6041	4822 130 80446	BAS32L
6042	4822 130 80446	BAS32L
6043	4822 130 80446	BAS32L
6101	4822 130 80888	BA682
6102	4822 130 80888	BA682
6103	4822 130 80888	BA682
6104	4822 130 80888	BA682
6106	4822 130 80888	BA682
6107	4822 130 80888	BA682
6108	4822 130 80888	BA682
6109	4822 130 80446	LL4148

7000	4822 209 72812	TDA2549/C4
7030	5322 130 42012	BC858
7031	4822 130 61207	BC848
7035	4822 130 44121	BC338
7040	5322 130 42012	BC858A
7100	4822 209 63059	TDA3856/V3
7101	4822 209 63784	TDA3857/V3
7102	4822 130 61207	BC848
7103	5322 130 42012	BC858
7104	4822 130 61207	BC848
7200	4822 209 63294	TDA8417/V1
7220	4822 209 63734	TDA8425/V7
7232	5322 130 41982	BC848B

NICAM IF/sound module

4822 212 23692	IF MOD. PAL BG
4822 212 23691	IF MOD. PAL I

various

1010	4822 242 72554	OFWG3254
1010	4822 242 72553	OFWJ3251
1042	4822 242 72211	TPS 5,5MHz
1042	4822 153 30025	6MHz
1100	4822 242 70485	SFT5,74MA
1105	4822 242 70714	SFT5,5MA
1105	4822 242 71713	SFE6,0MBF
1116	4822 242 72301	TH316BQM-2080QDAF
1116	4822 242 72303	TH316BQM-2110QDAF
1125	4822 242 72302	5,850 MHz
1125	4822 242 72347	6,552 MHz
1141	4822 242 72304	5,824 MHz
1191	4822 253 10064	FUSE 0,4A
1200	4822 242 80208	10 MHz

2011	4822 124 41506	47µF 20% 16V
2012	4822 124 41577	4,7µF 20% 50V
2013	4822 122 31797	22nF 10% 63V
2014	4822 122 31797	22nF 10% 63V
2015	5322 121 42498	680nF 5% 63V
2016	4822 122 31784	4,7nF 10% 50V
2017	4822 122 33496	100nF 10% 63V
2042	4822 122 33205	12pF 10% 63V
2044	4822 122 31797	22nF 10% 63V
2047	4822 122 33496	100nF 10% 63V
2049	4822 122 33496	100nF 10% 63V
2050	4822 124 40849	330µF 20% 16V
2100	4822 124 40242	1µF 20% 63V
2101	4822 122 31746	1000pF 5% 50V
2102	4822 122 31746	1000pF 5% 50V
2102	4822 122 32765	820pF 10% 63V
2104	4822 122 31784	4,7nF 10% 50V
2106	4822 124 41576	2,2µF 20% 50V
2107	4822 124 41576	2,2µF 20% 50V
2108	4822 122 32862	10nF 80% 50V
2109	4822 124 41509	33µF 20% 35V
2110	4822 122 32893	100nF 80% 50V
2116	5322 122 31647	1nF 10% 63V
2119	4822 124 40198	470µF 20% 16V
2120	4822 124 41407	0,47µF 20% 63V
2121	4822 124 41407	0,47µF 20% 63V
2122	4822 122 32862	10nF 80% 50V
2123	4822 122 31774	56pF 5% 50V
2124	4822 125 50045	20pF
2125	4822 122 33205	12pF 10% 63V
2126	4822 122 31769	18pF 5% 50V
2127	4822 124 41407	0,47µF 20% 63V
2128	4822 122 32862	10nF 80% 50V
2129	4822 122 31965	220pF 5% 63V
2130	4822 122 31965	220pF 5% 63V
2131	4822 122 32862	10nF 80% 50V
2132	4822 122 32862	10nF 80% 50V
2133	4822 122 32893	100nF 80% 50V
2134	4822 122 32893	100nF 80% 50V
2135	4822 122 32893	100nF 80% 50V
2136	4822 122 32893	100nF 80% 50V
2137	4822 122 32862	10nF 80% 50V
2138	4822 122 32862	10nF 80% 50V
2139	4822 124 41407	0,47µF 20% 63V
2140	4822 122 31774	56pF 5% 50V
2141	4822 122 31769	18pF 5% 50V
2142	4822 122 32444	33pF 5% 50V
2143	4822 122 32504	15pF 5% 50V
2144	4822 122 32862	10nF 80% 50V
2145	4822 124 41506	47µF 20% 16V
2146	4822 122 32504	15pF 5% 50V
2147	4822 122 32504	15pF 5% 50V
2148	4822 122 33496	100nF 10% 63V
2150	4822 122 32893	100nF 80% 50V
2151	4822 122 31772	47pF 5% 50V
2153	4822 122 32862	10nF 80% 50V
2154	4822 122 31972	39pF 5% 50V
2155	4822 125 50045	20pF
2162	4822 122 32893	100nF 80% 50V
2168	4822 122 33496	100nF 10% 63V
2169	4822 124 41506	47µF 20% 16V
2170	4822 122 31759	18nF
2170	4822 122 32597	6,8nF 10% 63V
2171	4822 122 33608	39nF 10% 63V
2171	4822 122 31782	15000pF 10% 50V
2173	4822 122 31773	560pF 5% 50V
2174	4822 122 33498	2,7nF 10% 63V
2175	4822 122 32999	2,2N 5% NPO
2176	4822 121 51252	470nF 5% 63V
2177	4822 122 32863	22nF 80% 50V
2180	4822 122 31759	18nF
2180	4822 122 32597	6,8nF 10% 63V
2181	4822 122 33608	39nF 10% 63V
2181	4822 122 31782	15000pF 10% 50V
2183	4822 122 31773	560pF 5% 50V
2184	4822 122 33498	2,7nF 10% 63V
2185	4822 122 32999	2,2N 5% NPO
2186	4822 121 51252	470nF 5% 63V
2187	4822 122 32863	22nF 80% 50V
2188	4822 124 41506	47µF 20% 16V
2189	4822 122 32863	22nF 80% 50V
2190	4822 122 32893	100nF 80% 50V
2191	4822 124 41643	100µF 20% 16V
2192	4822 122 32893	100nF 80% 50V
2193	4822 124 40849	330µF 20% 16V
2194	4822 122 32893	100nF 80% 50V
2195	4822 124 41506	47µF 20% 16V
2196	4822 122 32862	10nF 80% 50V
2197	4822 124 41506	47µF 20% 16V
2198	4822 121 51252	470nF 5% 63V
2200	4822 121 51252	470nF 5% 63V
2201	4822 121 51252	470nF 5% 63V
2202	4822 122 31766	120pF 5% 50V
2203	4822 124 41509	33µF 20% 35V
2204	4822 124 41509	33µF 20% 35V
2205	4822 122 32893	100nF 80% 50V
2207	4822 121 51252	470nF 5% 63V
2209	4822 121 51252	470nF 5% 63V
2210	4822 124 41577	4,7µF 20% 50V
2211	4822 121 42408	220nF 5% 63V
2212	4822 122 31916	5,6nF 10% 63V
2213	4822 124 40195	150µF 20% 16V
2214	4822 122 32893	100nF 80% 50V
2215	4822 124 41506	47µF 20% 16V
2216	4822 122 31981	33nF ±0,5pF 50V
2217	4822 124 41577	4,7µF 20% 50V
2218	4822 124 41643	100µF 20% 16V
2219	4822 124 41577	4,7µF 20% 50V
2220	4822 122 31916	5,6nF 10% 63V
2223	4822 122 31916	5,6nF 10% 63V
2224	4822 122 31981	33nF ±0,5pF 50V
2225	4822 122 31782	15000pF 10% 50V
2226	4822 122 31782	15000pF 10% 50V

3012	4822 051 10562	5k6 2% 0,25W
3013	4822 051 10273	27k 2% 0,25W
3014	4822 051 10823	82k 2% 0,25W
3015	4822 051 10104	100k 2% 0,25W
3016	4822 100 11163	100k 30% LIN 0,1W
3019	4822 051 10473	47k 2% 0,25W
3020	4822 051 10273	27k 2% 0,25W
3021	4822 051 20183	18k 5% 0,1W

NICAM IF/sound module (continued)

3030	4822 051 10223	22k	2% 0,25W
3035	4822 051 10472	4k7	2% 0,25W
3041	4822 051 10221	220Ω	2% 0,25W
3042	4822 116 90536	120Ω	1% 0,125W
3042	4822 051 10101	100Ω	2% 0,25W
3043	4822 050 21001	100Ω	1% 0,6W
3044	4822 051 10102	1k	2% 0,25W
3052	4822 051 10102	1k	2% 0,25W
3055	4822 051 10103	10k	2% 0,25W
3056	4822 051 10471	470Ω	2% 0,25W
3065	4822 051 10472	4k7	2% 0,25W
3070	4822 051 10822	8k2	2% 0,25W
3100	4822 051 10561	560Ω	2% 0,25W
3101	4822 051 10331	330Ω	2% 0,25W
3102	4822 051 10681	680Ω	2% 0,25W
3105	4822 051 10561	560Ω	2% 0,25W
3106	4822 051 10561	560Ω	2% 0,25W
3107	4822 051 10122	1k2	2% 0,25W
3108	4822 051 20222	2k2	5% 0,1W
3109	4822 053 11121	120Ω	5% 2W
3110	4822 051 10102	1k	2% 0,25W
3116	4822 051 10471	470Ω	2% 0,25W
3120	4822 051 10154	150k	2% 0,25W
3121	4822 051 10224	220k	2% 0,25W
3122	4822 051 10471	470Ω	2% 0,25W
3123	4822 051 10511	510Ω	2% 0,25W
3125	4822 051 10102	1k	2% 0,25W
3126	4822 051 10393	39k	2% 0,25W
3139	4822 051 10393	39k	2% 0,25W
3140	4822 051 10471	470Ω	2% 0,25W
3141	4822 051 10102	1k	2% 0,25W
3143	4822 051 10331	330Ω	2% 0,25W
3144	4822 052 10278	2Ω7	5% 0,33W
3150	4822 051 10102	1k	2% 0,25W
3151	4822 051 10103	10k	2% 0,25W
3160	4822 051 10331	330Ω	2% 0,25W
3161	4822 051 10331	330Ω	2% 0,25W
3162	4822 051 10331	330Ω	2% 0,25W
3168	4822 052 10278	2Ω7	5% 0,33W
3170	4822 051 10562	5k6	2% 0,25W
3170	4822 051 10153	15k	2% 0,25W
3171	4822 051 10102	1k	2% 0,25W
3171	4822 051 10272	2k7	2% 0,25W
3172	4822 051 10472	4k7	2% 0,25W
3173	4822 051 10472	4k7	2% 0,25W
3177	4822 051 10822	8k2	2% 0,25W
3177	4822 051 10472	4k7	2% 0,25W
3180	4822 051 10562	5k6	2% 0,25W
3180	4822 051 10153	15k	2% 0,25W
3181	4822 051 10102	1k	2% 0,25W
3181	4822 051 10272	2k7	2% 0,25W
3182	4822 051 10472	4k7	2% 0,25W
3183	4822 051 10472	4k7	2% 0,25W
3188	4822 052 10109	10Ω	5% 0,33W
3190	4822 051 10471	470Ω	2% 0,25W
3191	4822 052 10399	39Ω	5% 0,33W
3192	4822 052 10478	4Ω7	5% 0,33W
3195	4822 052 10109	10Ω	5% 0,33W
3197	4822 051 10331	330Ω	2% 0,25W
3200	4822 100 11676	10k	30% LIN 0,2W
3201	4822 051 10822	8k2	2% 0,25W
3202	4822 051 10512	5k1	2% 0,25W
3203	4822 051 10563	56k	2% 0,25W
3204	4822 051 10563	56k	2% 0,25W
3205	4822 052 10229	22Ω	5% 0,33W
3206	4822 051 10331	330Ω	2% 0,25W
3208	4822 051 10331	330Ω	2% 0,25W
3209	4822 051 10103	10k	2% 0,25W
3210	4822 051 10102	1k	2% 0,25W
3213	4822 051 10478	4Ω7	5% 0,25W
3214	4822 051 10273	27k	2% 0,25W
3215	4822 051 10272	2k7	2% 0,25W
3216	4822 051 10333	33k	2% 0,25W
3217	4822 051 10102	1k	2% 0,25W
3218	4822 051 10101	100Ω	2% 0,25W
4000	4822 051 10393	39k	2% 0,25W
4000	4822 051 10392	3k9	2% 0,25W
4199	4822 051 10008	0Ω	5% 0,25W

5010	4822 157 53302	1µH
5035	4822 157 53534	0,34µH 5%
5036	4822 157 53609	0,36µH 5%
5042	4822 157 53634	5,6µH 10%
5101	4822 157 52511	0,83µH
5102	4822 157 52511	0,83µH
5103	4822 157 63077	0,25µH 5%
5129	4822 157 51238	0,820µH
5130	4822 157 51238	0,820µH
5153	4822 157 53575	3,3µH

6151	5322 130 34953	BB405B
6190	4822 130 80446	LL4148
6191	4822 130 80954	LLZ-C5V6
6197	4822 130 81027	LLZ-C11

7000	4822 209 72812	TDA2549/C4
7035	4822 130 44121	BC338
7100	4822 209 63784	TDA3857/V3
7106	4822 130 61207	BC848
7108	5322 130 42012	BC858
7120	4822 209 73558	TA8662N
7150	4822 209 61114	CF70123
7160	5322 209 10883	PCF8574P
7168	4822 209 73236	TDA1543/N2
7170	4822 209 83163	LM833N
7180	4822 209 83163	LM833N
7190	5322 130 41983	BC858B
7191	4822 130 44121	BC338
7195	4822 130 61207	BC848
7200	4822 209 61026	TDA8415/V1
7213	4822 209 63734	TDA8425/V7
7217	5322 130 41982	BC848B

Teletext module

	4822 212 23697	TXT MOD. EUROPE
	4822 212 23698	TXT MOD. SCAN

21	4822 267 40469	6P MALE GOLD
22	4822 265 40471	8P MALE GOLD

various

1801	4822 242 73552	14,875 MHz
1802	4822 242 71508	6 MHz

2792	4822 122 33496	100nF 10% 63V
2793	4822 122 32542	47nF 10% 63V
2794	4822 122 31769	18pF 5% 50V
2795	4822 122 31769	18pF 5% 50V
2796	4822 122 31769	18pF 5% 50V
2797	4822 122 31769	18pF 5% 50V
2799	4822 122 31965	220pF 5% 63V
2800	4822 124 40178	100µF 20% 10V
2801	4822 122 32442	10nF 50V
2804	4822 122 31766	120pF 5% 50V
2805	4822 122 31766	120pF 5% 50V
2810	4822 122 33496	100nF 10% 63V
2811	4822 122 33496	100nF 10% 63V
2812	4822 122 33496	100nF 10% 63V
2813	4822 122 32442	10nF 50V
2814	4822 122 31773	560pF 5% 50V
2815	4822 122 33496	100nF 10% 63V
2816	4822 122 31825	27pF 10% 50V
2817	4822 122 32504	15pF 5% 50V
2818	5322 122 31647	1nF 10% 63V
2819	4822 122 31727	470pF 5% 63V
2820	4822 122 31797	22nF 10% 63V
2821	4822 122 32142	270pF 5% 63V
2822	4822 122 31765	100pF 5% 50V
2823	4822 122 31727	470pF 5% 63V
2824	4822 122 32891	68nF 10% 63V
2825	4822 124 41525	100µF 20% 25V
2826	4822 122 32504	15pF 5% 50V
2827	4822 122 32542	47nF 10% 63V
2828	4822 122 32542	47nF 10% 63V
2829	4822 124 41506	47µF 20% 16V
2830	4822 122 32542	47nF 10% 63V
2832	4822 124 41576	2,2µF 20% 50V
2833	4822 124 41576	2,2µF 20% 50V
2834	4822 124 40178	100µF 20% 10V
2836	4822 122 31766	120pF 5% 50V
2845	4822 124 40178	100µF 20% 10V
2846	4822 124 41554	220µF 20% 10V
2849	4822 124 21212	15µF 20% 35V
3795	4822 051 10392	3k9 2% 0,25W
3796	4822 051 10121	120Ω 2% 0,25W
3797	4822 116 52176	10Ω 5% 0,5W
3798	4822 051 10121	120Ω 2% 0,25W
3800	4822 051 10103	10k 2% 0,25W
3802	4822 051 10101	100Ω 2% 0,25W
3803	4822 051 10101	100Ω 2% 0,25W
3804	4822 051 10101	100Ω 2% 0,25W
3805	4822 051 10122	1k2 2% 0,25W
3807	4822 051 10562	5k6 2% 0,25W
3808	4822 051 10103	10k 2% 0,25W
3809	4822 051 10272	2k7 2% 0,25W
3810	4822 051 10333	33k 2% 0,25W
3811	4822 051 10223	22k 2% 0,25W
3812	4822 051 10332	3k3 2% 0,25W
3813	4822 051 10271	270Ω 2% 0,25W
3814	4822 116 52204	1k 5% 0,5W
3815	4822 051 10152	1k5 2% 0,25W

Teletext module (continued)

3816	4822 051 10683	68k 2% 0,25W
3817	4822 051 10122	1k2 2% 0,25W
3818	4822 051 10122	1k2 2% 0,25W
3819	4822 051 10122	1k2 2% 0,25W
3820	4822 051 10122	1k2 2% 0,25W
3821	4822 051 10122	1k2 2% 0,25W
3822	4822 051 10122	1k2 2% 0,25W
3823	4822 051 10122	1k2 2% 0,25W
3824	4822 051 10332	3k3 2% 0,25W
3825	4822 051 10332	3k3 2% 0,25W
3826	4822 052 10159	15Ω 5% 0,33W
3827	4822 051 10332	3k3 2% 0,25W
3828	4822 051 10122	1k2 2% 0,25W
3829	4822 116 52211	150Ω 5% 0,5W
3830	4822 050 28209	82Ω 1% 0,6W
3831	4822 051 10681	680Ω 2% 0,25W
3832	4822 051 10102	1k 2% 0,25W
3833	4822 051 10102	1k 2% 0,25W
3834	4822 051 10681	680Ω 2% 0,25W
3835	4822 051 10561	560Ω 2% 0,25W
3836	4822 051 10473	47k 2% 0,25W
3837	4822 051 10102	1k 2% 0,25W
3838	4822 051 10273	27k 2% 0,25W
3839	4822 051 10122	1k2 2% 0,25W
3840	4822 051 10122	1k2 2% 0,25W
3841	4822 051 10122	1k2 2% 0,25W
3842	4822 051 10122	1k2 2% 0,25W
3843	4822 051 10122	1k2 2% 0,25W
3845	4822 052 10689	68Ω 5% 0,33W
3846	4822 052 10689	68Ω 5% 0,33W
3847	4822 051 10829	82Ω 2% 0,25W
3848	4822 051 10181	180Ω 2% 0,25W
3849	4822 051 10102	1k 2% 0,25W
3900	4822 051 10008	0Ω 5% 0,25W
3901	4822 051 10008	0Ω 5% 0,25W
3904	4822 051 10008	0Ω 5% 0,25W
3906	4822 051 10008	0Ω 5% 0,25W
3908	4822 051 10008	0Ω 5% 0,25W
3910	4822 051 10008	0Ω 5% 0,25W
3913	4822 051 10008	0Ω 5% 0,25W
3914	4822 051 10008	0Ω 5% 0,25W
3915	4822 051 10008	0Ω 5% 0,25W
3917	4822 051 10008	0Ω 5% 0,25W
3918	4822 051 10008	0Ω 5% 0,25W
3919	4822 051 10008	0Ω 5% 0,25W
3920	4822 051 10008	0Ω 5% 0,25W
3921	4822 051 10008	0Ω 5% 0,25W
3922	4822 051 10008	0Ω 5% 0,25W

5800	4822 156 20966	47 µH
5801	4822 157 52849	22µH 10%
5803	4822 157 52825	60µH
5814	4822 157 53608	10µH
5816	4822 157 52224	15µH
5834	4822 157 53001	27µH 10%
5847	4822 157 51157	3,3µH

6809	4822 130 80446	LL4148
6810	4822 130 80446	LL4148
6811	4822 130 80446	LL4148
6812	4822 130 80446	LL4148
6813	4822 130 80906	LLZ-C7V5
6814	4822 130 80446	LL4148
6820	4822 130 80446	LL4148
6847	4822 130 42489	BYD33G
6848	4822 130 80905	LLZ-F5V1

7800	4822 209 63857	PCF84C81/074
7801	4822 130 61207	BC848
7802	4822 130 61207	BC848
7803	5322 130 41982	BC848B
7810	4822 209 72681	KM6264AL-15
7811	5322 130 41982	BC848B
7812	5322 130 60159	BC846B
7820	4822 209 73879	SAA5243P/E/M3
7830	4822 209 63645	SAA5231/V7
7831	4822 130 40962	BC558A
7832	4822 130 40937	BC548B
7846	5322 130 44921	BD943
7849	5322 130 42012	BC858

PIP module

	4822 265 40503	5P female gold plated
	4822 265 40472	10P female gold plated
	4822 265 30828	5P male

Various parts

1155	4822 320 40051	DELAY LINE DL711
1201	4822 242 70304	crystal 8,867 238 MHz
1212	4822 242 70736	crystal 7,159 090 MHz

2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 124 40242	1µF 20% 63V
2161	4822 124 41576	2,2µF 20% 50V
2162	4822 122 32893	100nF 80% 50V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 32893	100nF 80% 50V
2197	4822 122 31385	22pF 5% 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	5322 122 31842	330pF 5% 63V
2230	4822 124 40242	1µF 20% 63V
2232	4822 124 41678	22µF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8µF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 32893	100nF 80% 50V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 32893	100nF 80% 50V
2270	4822 122 32893	100nF 80% 50V
2340	4822 124 41506	47µF 20% 16V
2345	4822 124 41506	47µF 20% 16V
2350	4822 124 40849	330µF 20% 16V
2351	4822 124 41643	100µF 20% 16V
2380	4822 122 32927	220nF
2381	4822 122 32927	220nF
2382	4822 122 32927	220nF
2383	4822 122 32927	220nF
2384	4822 122 32927	220nF
2385	4822 122 32927	220nF
2390	4822 122 32893	100nF 80% 50V
2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31765	100pF 5% 50V

PIP module (continued)

2414	4822 122 32862	10nF 80% 50V
2415	4822 122 31965	220pF 5% 63V
2430	4822 122 32893	100nF 80% 50V
2432	4822 122 32893	100nF 80% 50V
2434	4822 122 32893	100nF 80% 50V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 100V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2446	4822 122 32893	100nF 80% 50V
2448	4822 122 32893	100nF 80% 50V
2450	4822 122 32856	8,2nF 10% 63V
2451	4822 121 51379	82nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470µF 10V
2466	4822 122 32893	100nF 80% 50V

2444	4822 051 10224	220k 2% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 116 52233	10k 5% 0,5W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 116 52204	1k 5% 0,5W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	JUMPER
3227	4822 116 52299	7k5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10682	6k8 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10471	470Ω 2% 0,25W
3234	4822 051 10361	360Ω 2% 0,25W
3235	4822 051 10122	1k2 2% 0,25W
3236	4822 051 10471	470Ω 2% 0,25W
3237	4822 051 10332	3k3 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10271	270Ω 2% 0,25W
3242	4822 116 52204	1k 5% 0,5W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 20008	jumper
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 051 10122	1k2 2% 0,25W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 051 10202	2k 2% 0,25W
3341	4822 052 10229	22Ω 5% 0,33W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3390	4822 051 10151	150Ω 2% 0,25W
3391	4822 051 10181	180Ω 2% 0,25W

3394	4822 051 10151	150Ω 2% 0,25W
3395	4822 051 10181	180Ω 2% 0,25W
3398	4822 051 10151	150Ω 2% 0,25W
3399	4822 051 10181	180Ω 2% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10361	360Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10471	470Ω 2% 0,25W
3412	4822 051 10751	750Ω 2% 0,25W
3414	4822 051 10471	470Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10471	470Ω 2% 0,25W
3452	4822 051 10471	470Ω 2% 0,25W
3454	4822 051 10471	470Ω 2% 0,25W
3460	4822 116 52231	820Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 116 52287	51k 5% 0,5W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3470	4822 052 10108	1Ω 5% 0,33W
3997	4822 051 10339	33Ω 2% 0,25W
3997	4822 051 10279	27Ω 2% 0,25W

jumpers

4001	4822 051 10008	jumper
4002	4822 051 10008	jumper
4003	4822 051 10008	jumper
4004	4822 051 10008	jumper
4005	4822 051 10008	jumper
4006	4822 051 10008	jumper
4007	4822 051 10008	jumper
4010	4822 051 10008	jumper
4011	4822 051 10008	jumper
4012	4822 051 10008	jumper
4048	4822 051 10008	jumper
4100	4822 051 10008	jumper
4201	4822 051 10008	jumper
4401	4822 051 10008	jumper
4402	4822 051 10008	jumper
4403	4822 051 10008	jumper
4404	4822 051 10008	jumper
4406	4822 051 10008	jumper
4407	4822 051 10008	jumper
4415	4822 051 10008	jumper

5118	4822 157 60435	10,3µH 6%
5155	4822 157 60433	7,2µH 6%
5157	4822 157 60434	9,4µH 6%
5170	4822 157 60432	10,3µH
5175	4822 157 60432	10,3µH
5190	4822 157 60432	10,3µH
5400	4822 157 50943	12µH 10%
5402	4822 157 50943	12µH 10%
5404	4822 156 20915	33µH 10%
5406	4822 157 50943	12µH 10%
5408	4822 157 50943	12µH 10%
5410	4822 157 50943	12µH 10%

6300	4822 130 80906	LLZ-C7V5

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 62477	TDA4554/V8
7126	4822 209 70019	TDA4510/V2/S8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41983	BC858B
7234	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7380	4822 209 60479	TEA5114A
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7755	4822 209 72363	TDA2579A/N8