Service
Service
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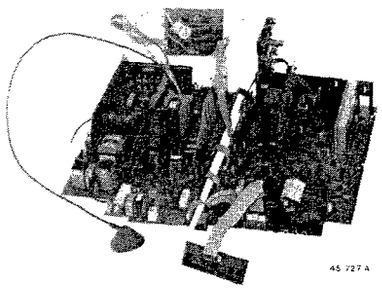

Service Manual

Contents

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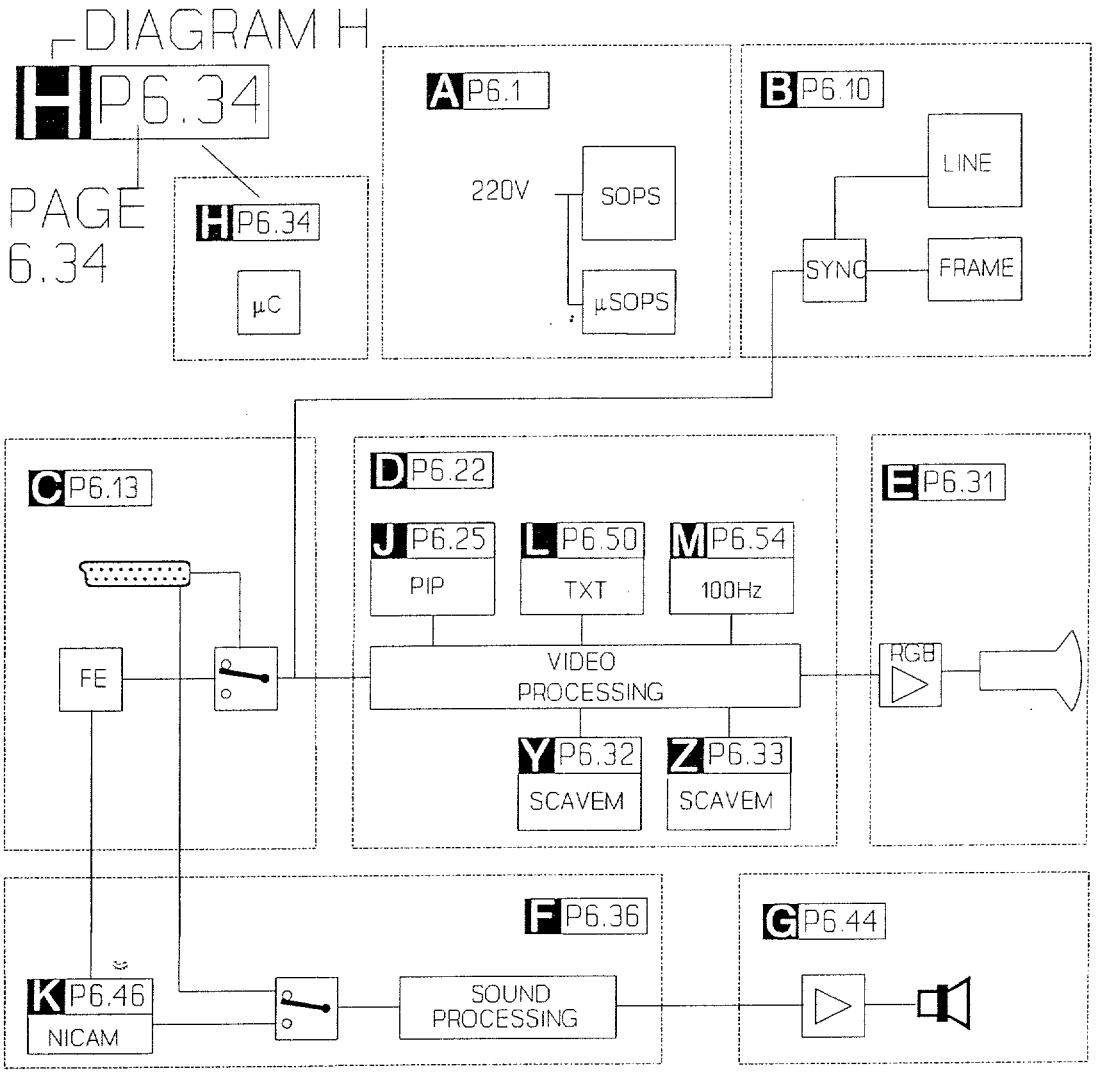
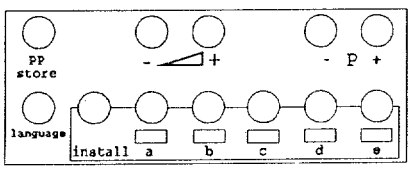
Blockdiagram



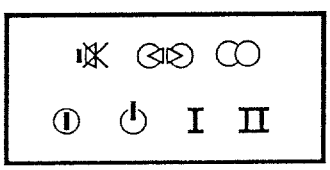
Technical data

Mains voltage:	220 - 240 V (± 10%) 50 - 60 Hz (± 5%)
Aerial input impedance:	75Ω - coax
Minimum aerial voltage:	30µV (VHF)/40µV (UHF)
Maximum aerial voltage VHF/S/UHF:	180µV
Pull-in range colour synchronization:	+300Hz/-300Hz
Pull-in range horizontal synchronization:	+200Hz/-300Hz
Programmes:	0-59
VCR programmes:	0, 00, 50-59

Local operation functions:



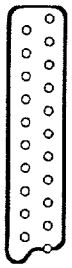
Indications:
- On Screen Display (OSD)
- LED:



Connection facilities

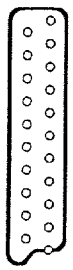
1. Specification of the connectors

EXT1 (AUX)



1 - Audio ⊖ R (0,5V RMS ≤ 1kΩ)
2 - Audio ⊕ R (0,2 - 2V RMS ≥ 10kΩ)
3 - Audio ⊖ L (0,5V RMS ≤ 1kΩ)
4 - Audio ⊥
5 - Blue ⊥
6 - Audio ⊕ L (0,2 - 2V RMS ≥ 10kΩ)
7 - Blue (0,7V_{pp}/75Ω)
8 - CVBS-status 1 ⊕ 0- 2V: int.
4,5-7V: ext.16:9
9,5-12V: ext. 4:3
9 - Green ⊥
10 - -
11 - Green (0,7V_{pp}/75Ω)
12 - -
13 - Red ⊥
14 - -
15 - Red (0,7V_{pp}/75Ω)
16 - RGB-status (0-0,4V: int. 1-3V ext. 75Ω
17 - CVBS ⊥
18 - CVBS ⊥
19 - CVBS ⊖ (1V_{pp}/75Ω)
20 - CVBS ⊕ (1V_{pp}/75Ω)
21 - Earthscreen

EXT2 (VCR)



1 - Audio ⊖ R (0,5V RMS ≤ 1kΩ)
2 - Audio ⊕ R (0,2 - 2V RMS ≥ 10kΩ)
3 - Audio ⊖ L (0,5V RMS ≤ 1kΩ)
4 - Audio ⊥
5 -
6 - Audio ⊕ L (0,2 - 2V RMS ≥ 10kΩ)
7 - -
8 - CVBS-status 2 ⊕ 0- 2V: int.
4,5-7V: ext.16:9
9,5-12V: ext. 4:3
9 - -
10 - -
11 - -
12 - -
13 - -
14 - -
15 - -
16 - -
17 - CVBS ⊥
18 - CVBS ⊥
19 - CVBS ⊖ (1V_{pp}/75Ω)
20 - CVBS ⊕ (1V_{pp}/75Ω)
21 - Earthscreen

EXT3 (front)

SVHS
1 - ⊥
2 - ⊥
3 - Y ⊕ (1V_{pp}; 75Ω)
4 - C ⊕ (0,3V_{pp}; 75Ω)

◎ CINCH Video ⊕ 300mV_{pp}/75Ω
◎ CINCH Audio ⊕ L (0,5V RMS; ≥ 10kΩ)
◎ CINCH Audio ⊕ R (0,5V RMS; ≥ 10kΩ)
3.5mm 32-2000Ω ≥ 10mW

Audio out

◎ CINCH Audio ⊖ L (0,5V RMS; ≤ 1kΩ)
◎ CINCH Audio ⊖ R (0,5V RMS; ≤ 1kΩ)

front : 2 x 16W / 8Ω
rear : 2 x 6W / 8Ω

EXT2' (SVHS)

SVHS
1 - ⊥
2 - ⊥
3 - Y ⊕ (1V_{pp}; 75Ω)
4 - C ⊕ (0,3V_{pp}; 75Ω)

◎ CINCH Audio ⊕ L (0,5V RMS; ≥ 10kΩ)
◎ CINCH Audio ⊕ R (0,5V RMS; ≥ 10kΩ)

SVHS
1 - ⊥
2 - ⊥
3 - Y ⊕ (1V_{pp}; 75Ω)
4 - C ⊕ (0,3V_{pp}; 75Ω)

◎ CINCH Audio ⊕ L (0,5V RMS; ≤ 1kΩ)
◎ CINCH Audio ⊕ R (0,5V RMS; ≤ 1kΩ)

Connection facilities

2. Connection of equipment

When an SVHS source is connected to EXT2'(SVHS) or EXT3 (SVHS) the CVBS at these inputs is switched off. To reproduce the CVBS signal from these inputs, the particular SVHS plug must first be removed.

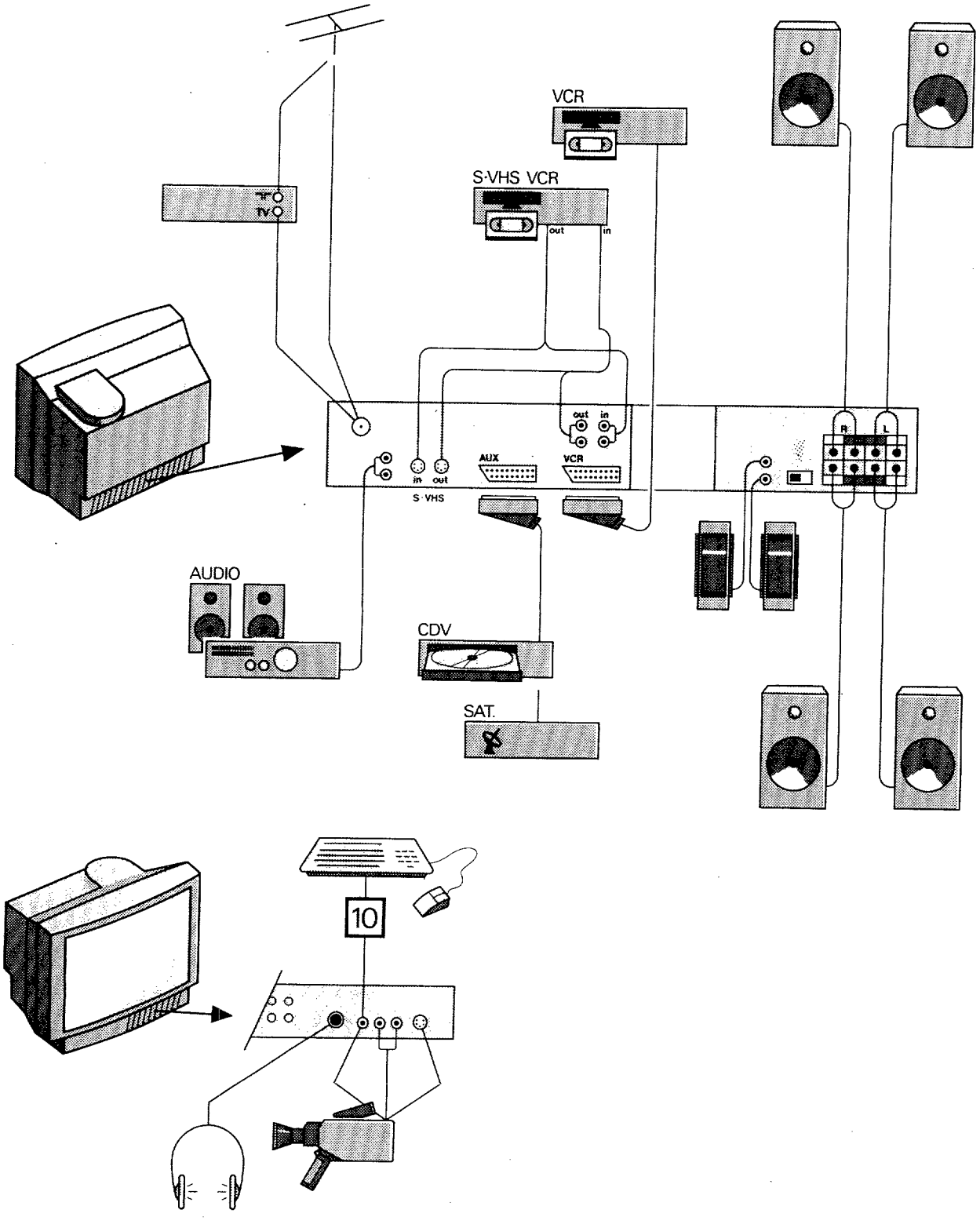


Fig. 2.1

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, the method shown in Fig. 3.1 should be used to discharge the picture tube. 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 the 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 -11 volts.

11. On this unit the 140 volt supply voltage is not supplied via an interconnection on the deflection yoke to the line output transformer. When the deflection cable is detached, the +140 volt supply remains loaded. In order to unload the +140 volts, coil 5511 should be removed.

12. 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.

Notes

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

2. The direct voltages and oscillograms shown in the diagrams should be measured in the **Service Default Mode** (see chapter 8) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz.

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 error searching and/or repair to the PIP module, the accessibility of the circuit and the components can be increased by using extension cards.
   5 times: 4822 395 30261
   10 times: 4822 395 30257

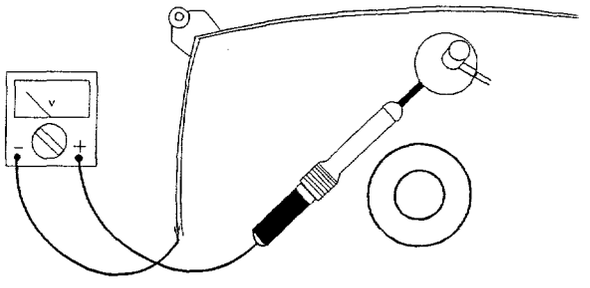


Fig 3.1

Mechanical instructions

1. Removing the back plate

Remove cover A (Fig. 4.1) from the back plate.
Remove connector B (LI36) of the subwoofer.
Remove attachment screws C from the back plate.
Remove the back plate with the subwoofer fitted in it. Attach the back plate by carrying out the above in the reverse order.

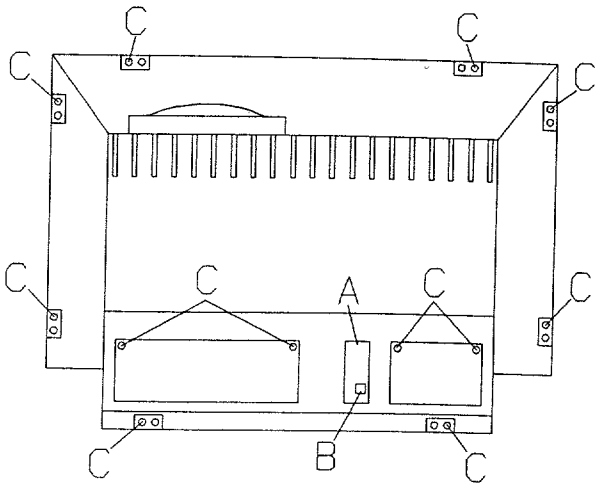


Fig 4.1

2. Service position to measure test points (Fig. 4.2)

Unlock the chassis panels by pressing locks D.
Pull both chassis panels backwards at the same time until all measuring points are accessible.

3. Service position for repair (Fig. 4.3)

Remove the LED display E (see Fig. 4.2) of the large signal panel.
Tilt the back of the two panels and attach both panels using brackets F situated on the underside of the small signal panel, at an angle of 90° to one another.

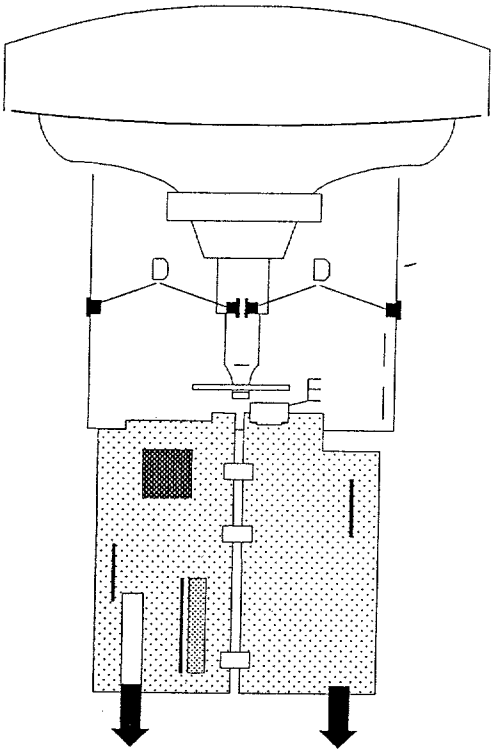


Fig 4.2

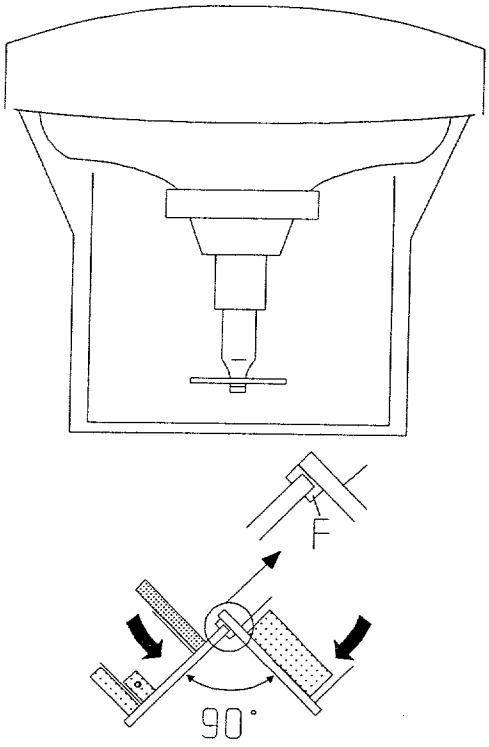
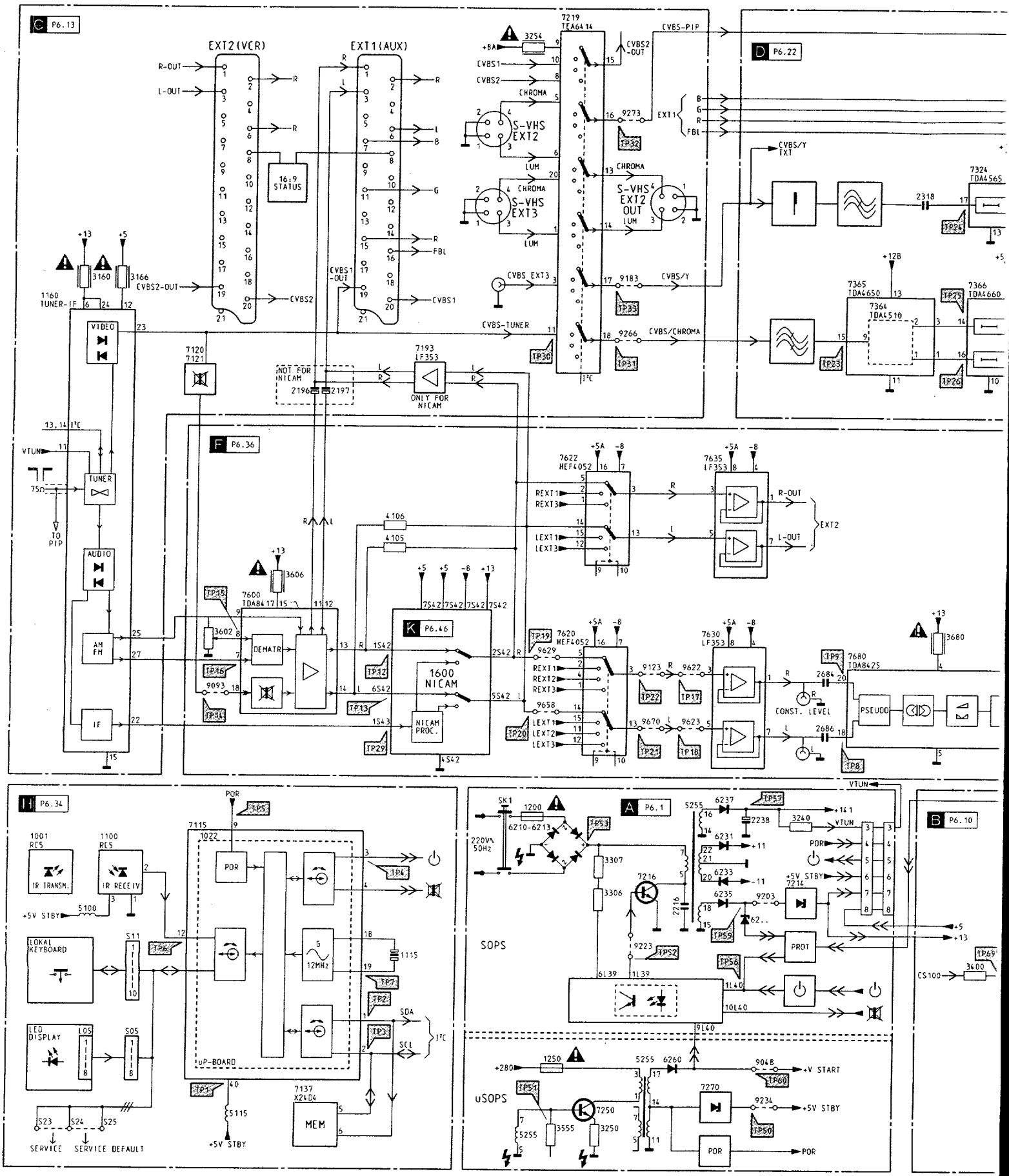
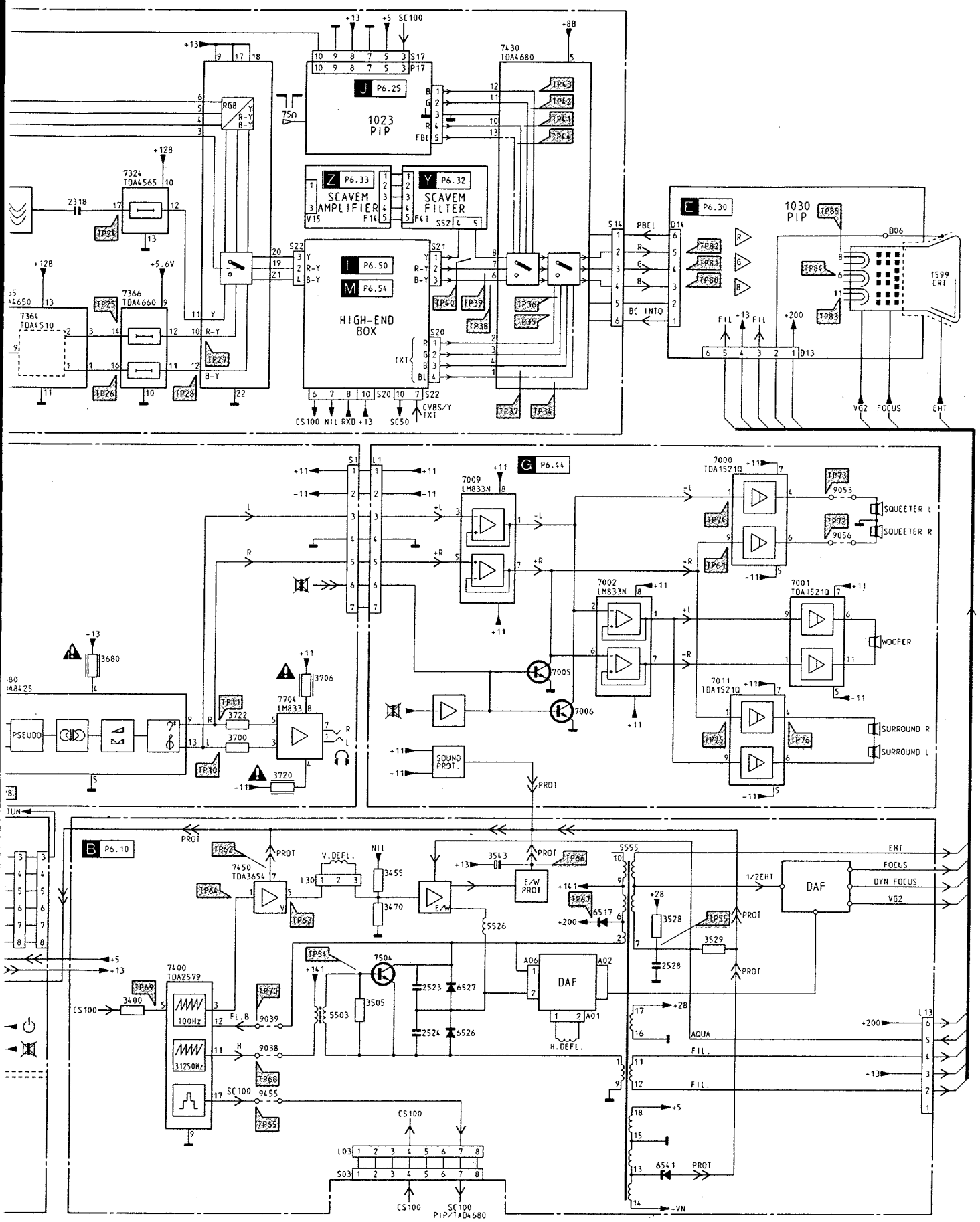


Fig 4.3

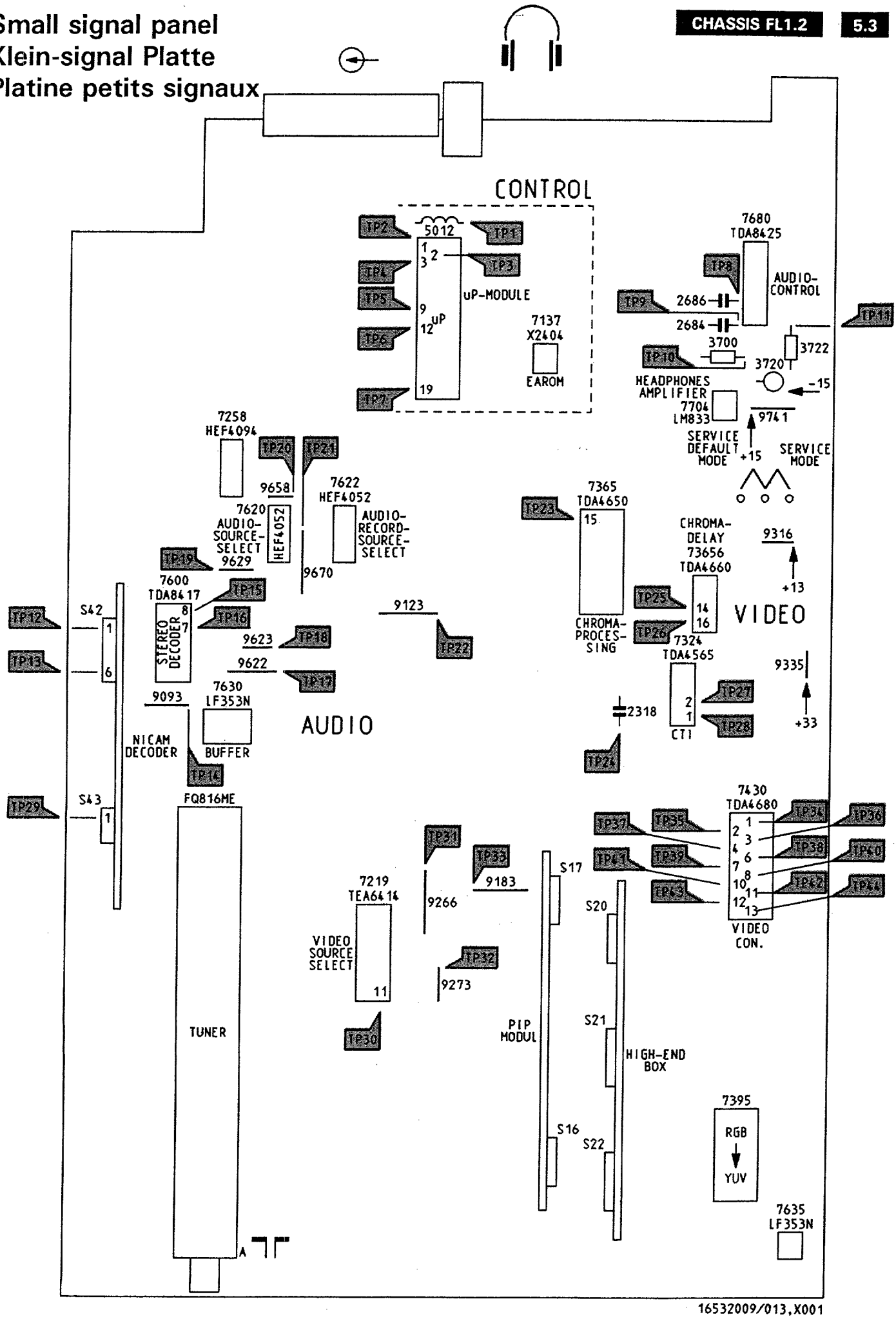

C P6.13
EXT2(VCR)
EXT1(AUX)
R-OUT
L-OUT
16:9 STATUS
CVBS2-OUT
CVBS1-OUT
7219 TEA6414
CVBS-PIP
CVBS1
CVBS2
CHROMA
S-VHS EXT2
S-VHS EXT3
S-VHS EXT2 OUT
LUM
CVBS EXT3
CVBS-TUNER
CVBS/Y
CVBS/CHROMA
D P6.22
CVBS/Y TXT
7324 TDA4565
7365 TDA4650
7364 TDA4510
7366 TDA4660
1160 TUNER-IF
VIDEO
7120 7121
7193 LF353
NOT FOR NICAM
ONLY FOR NICAM
F P6.36
TUNER
AUDIO
AM FM
IF
TO PIP
7622 HEF4052
7635 LF353
REXT1
REXT3
LEXT1
LEXT3
EXT2
7600 TDA8417
DEMATR
K P6.46
1600 NICAM
NICAM PROC.
7620 HEF4052
7630 LF353
CONST. LEVEL
7680 TDA8425
PSEUDO
H P6.34
POR
IR TRANSM.
IR RECEIV
LOKAL KEYBOARD
LED DISPLAY
uP-BOARD
12MHz
SERVICE
SERVICE DEFAULT
MEM
A P6.1
220V/50Hz
SOPS
uSOPS
PROT
+V START
+5V STBY
B P6.10
VTUN
CS100

CS40521

Diagramme schématique

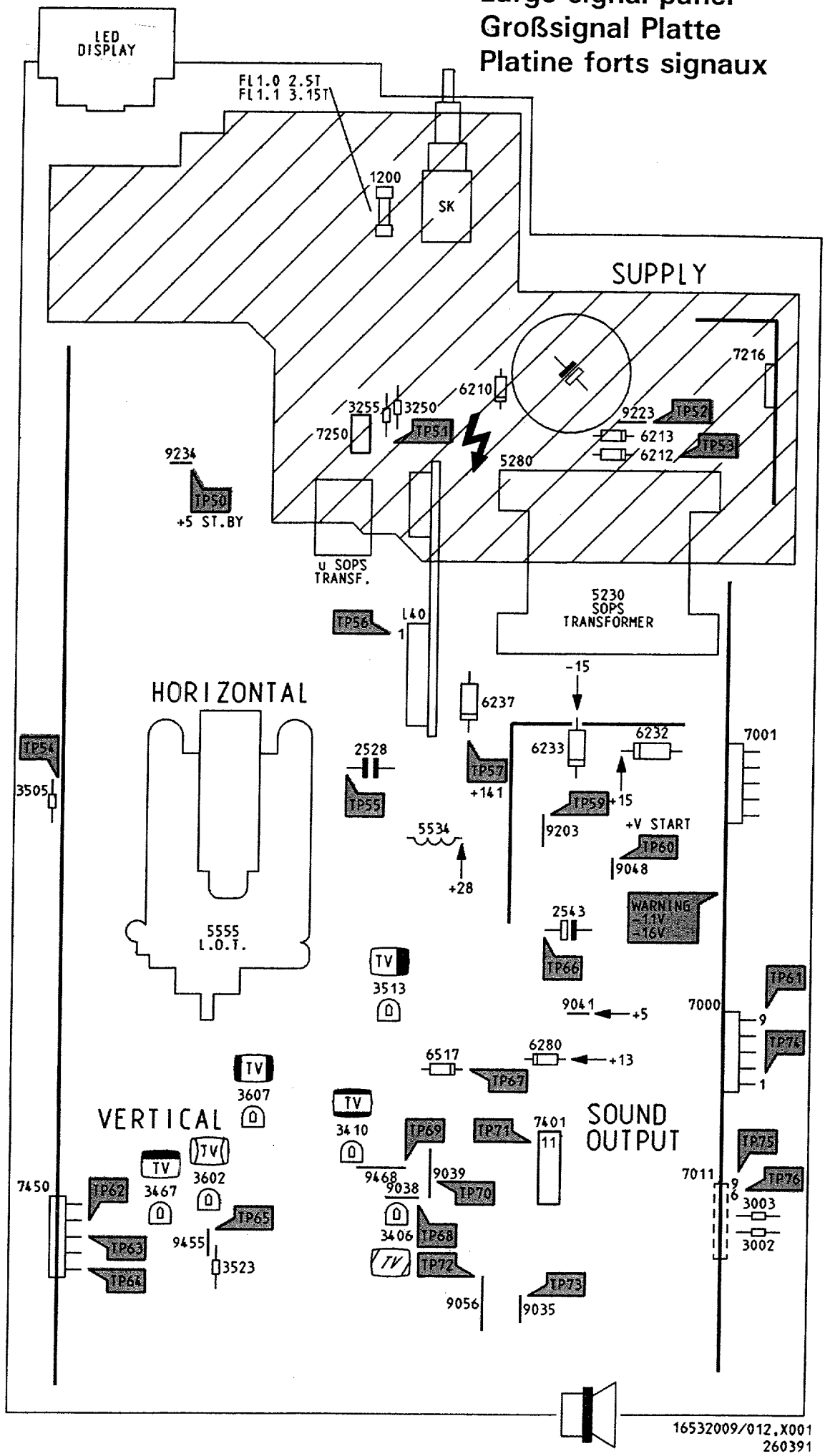


Small signal panel
Klein-signal Platte
Platine petits signaux



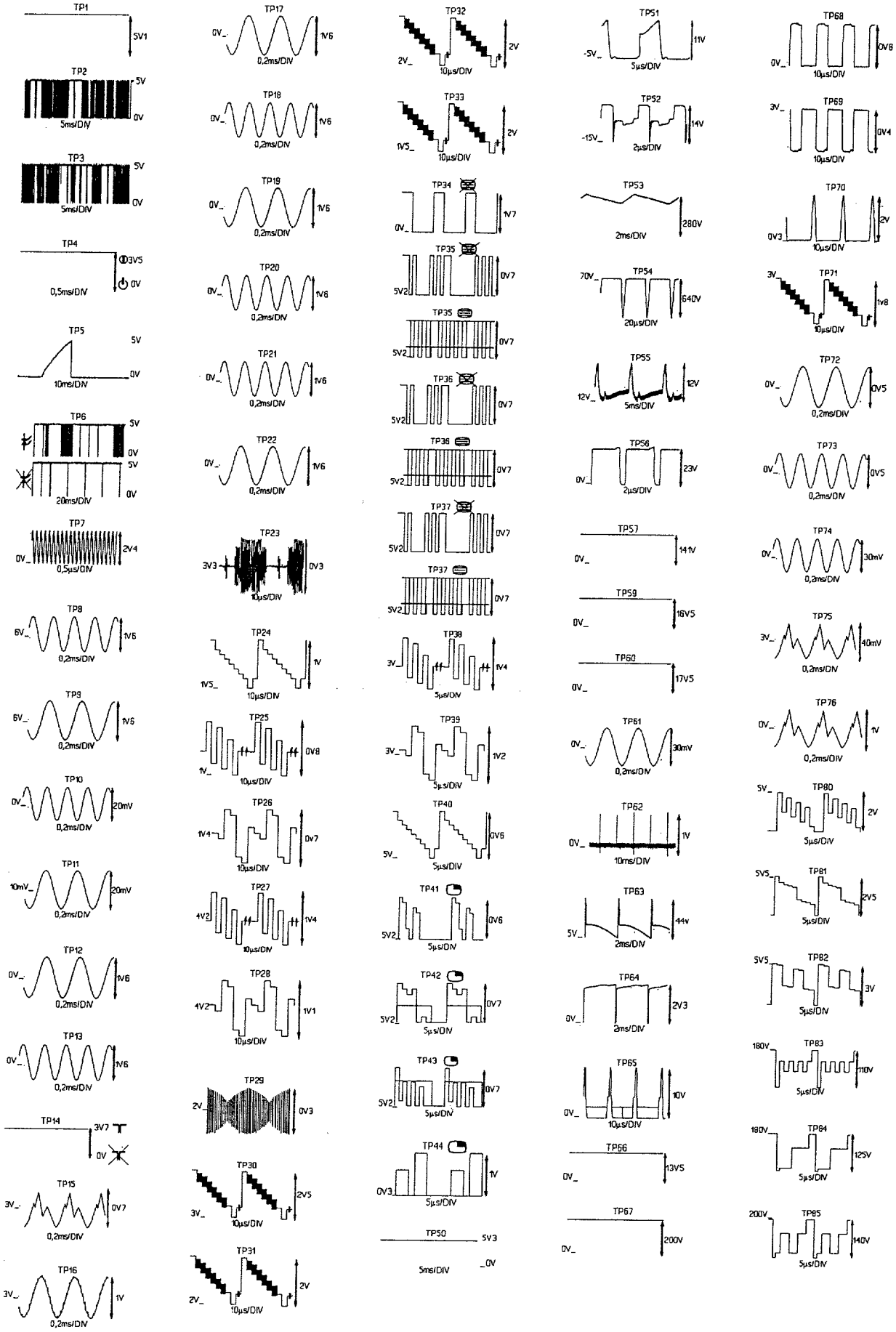
16532009/013,X001
120391

Large signal panel
Großsignal Platte
Platine forts signaux

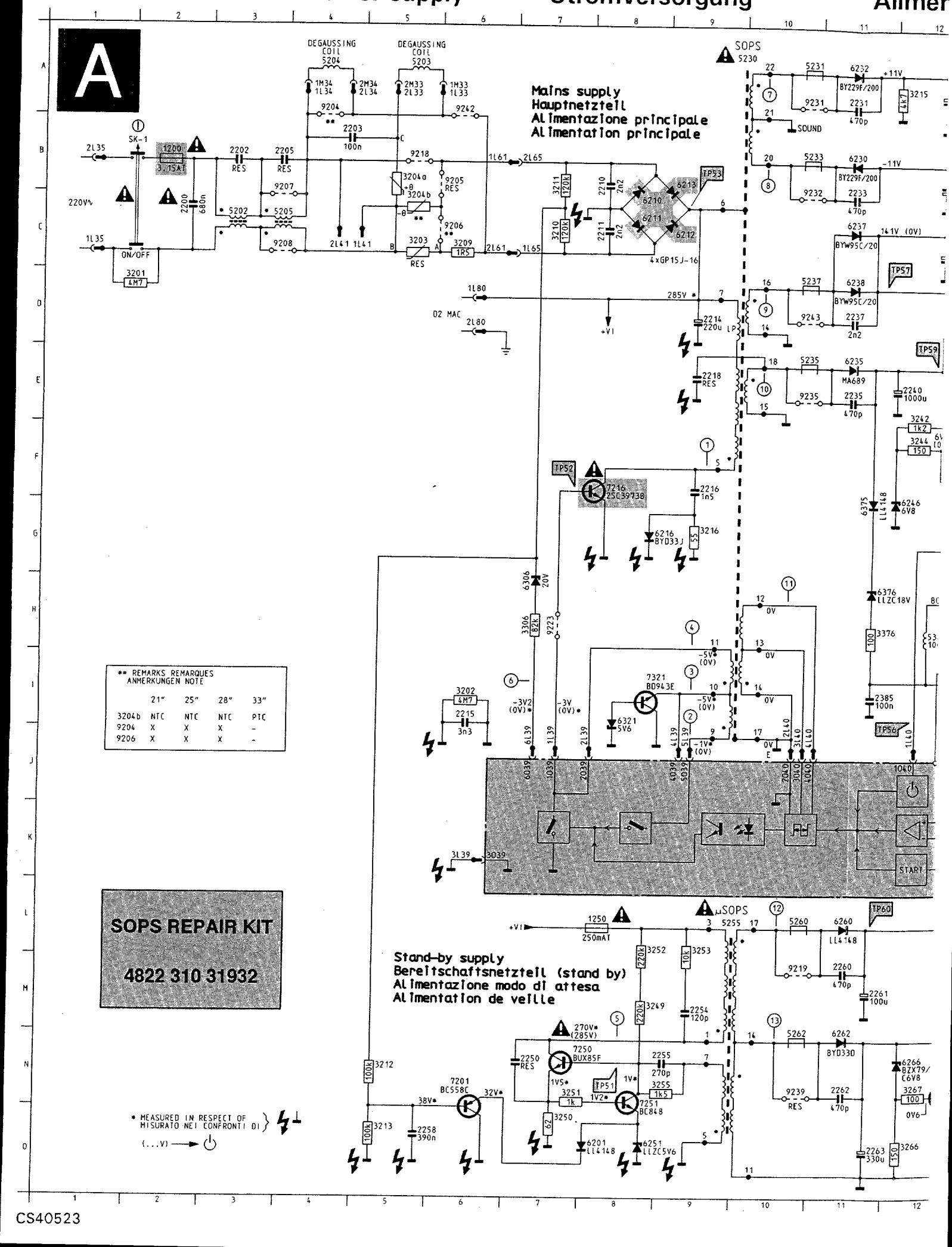


16532009/012.X001
260391

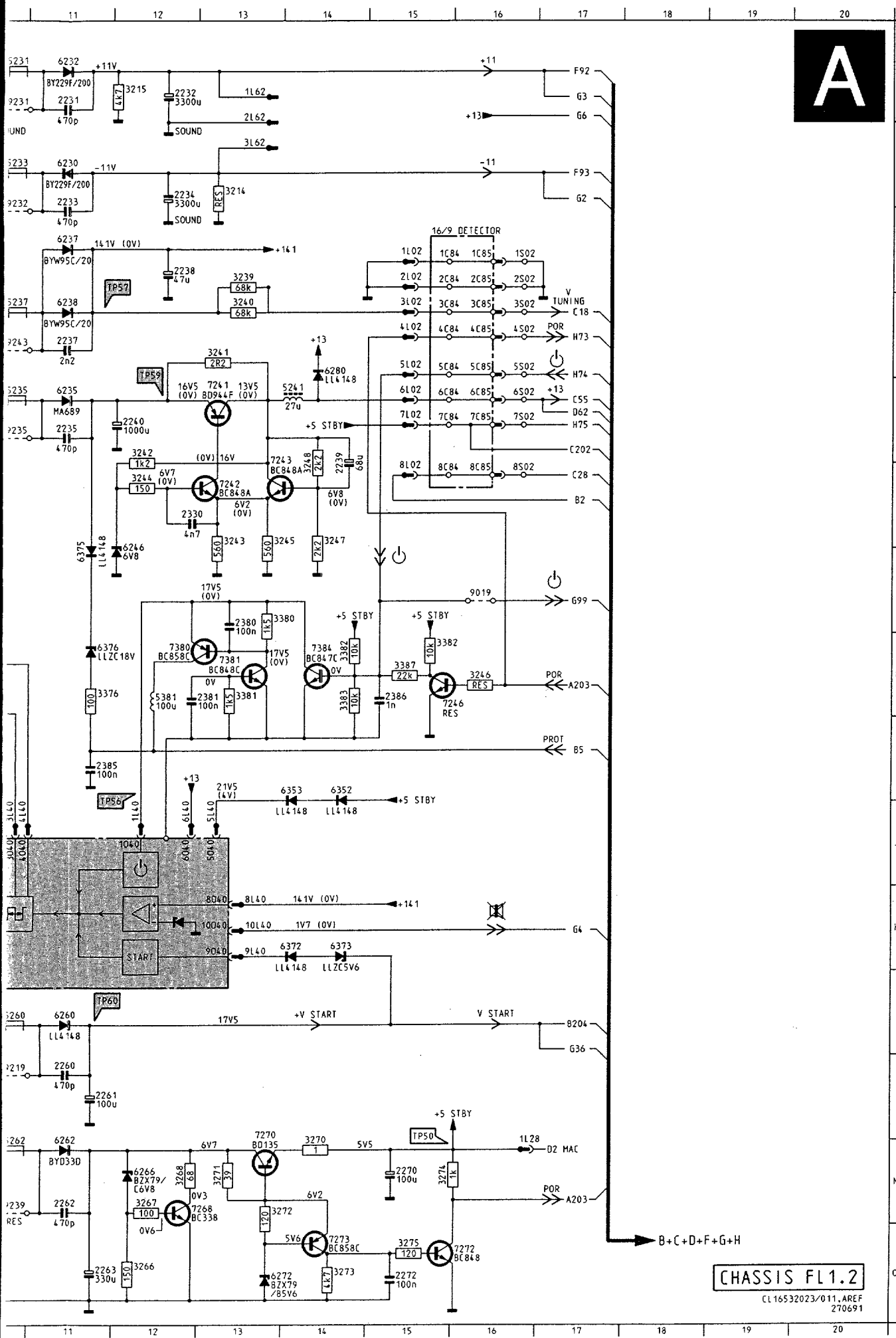
Oscillograms



Power supply Stromversorgung Alimer



Alimentation



	1200	B 2	6352	I 14
	1250	L 8	6353	I 14
	2200	C 2	6372	K 14
	2202	B 3	6373	K 14
A	2203	B 4	6375	G 11
	2205	B 3	6376	H 11
	2210	B 8	7201	N 6
	2211	C 8	7216	F 8
	2214	D 9	7241	E 13
	2215	I 6	7242	F 13
	2216	F 9	7243	F 13
	2218	E 9	7246	H 15
B	2231	A 11	7250	N 7
	2232	A 12	7251	N 8
	2233	B 11	7268	N 12
	2234	B 12	7270	M 13
	2235	E 11	7272	O 16
	2237	D 11	7273	O 14
	2238	C 12	7321	I 8
	2239	E 14	7380	H 12
C	2240	E 12	7381	H 13
	2250	N 7	7384	H 14
	2254	M 9	9019	G 16
	2255	N 9	9204	A 4
	2258	O 5	9205	B 6
	2260	M 11	9206	C 6
	2261	M 11	9207	B 3
D	2262	N 11	9208	C 3
	2263	O 11	9218	B 5
	2270	N 15	9219	M 10
	2272	O 15	9223	H 7
	2330	F 12	9231	A 10
	2380	G 13	9232	B 10
	2381	H 12	9235	E 10
	2385	I 11	9239	N 10
E	2386	H 15	9242	A 6
	3201	D 1	9243	D 10
	3202	I 6		
	3203	C 5		
	3204	B 5		
	3204	C 5		
	3209	C 6		
F	3210	C 7		
	3211	B 7		
	3212	N 5		
	3213	O 5		
	3214	B 13		
	3215	A 12		
	3216	G 9		
	3239	C 13		
G	3240	D 13		
	3241	D 13		
	3242	E 12		
	3243	F 13		
	3244	F 12		
	3245	F 13		
	3246	H 16		
H	3247	F 14		
	3248	E 14		
	3249	M 8		
	3250	O 7		
	3251	N 7		
	3252	L 8		
	3253	L 9		
	3255	N 9		
I	3266	O 12		
	3267	N 12		
	3268	N 12		
	3270	N 14		
	3271	N 13		
	3272	N 13		
	3273	O 14		
	3274	N 15		
J	3275	O 15		
	3306	H 7		
	3376	H 11		
	3380	G 13		
	3381	H 13		
	3382	H 14		
	3382	H 15		
K	3383	H 14		
	3387	H 15		
	5202	C 3		
	5203	A 5		
	5204	A 4		
	5205	C 3		
	5230	A 9		
L	5231	A 10		
	5233	B 10		
	5235	E 10		
	5237	D 10		
	5241	E 14		
	5255	L 9		
	5260	L 10		
	5262	N 10		
M	5381	H 12		
	6201	O 8		
	6210	C 8		
	6211	C 8		
	6212	C 9		
	6213	B 9		
	6216	G 8		
N	6230	B 11		
	6232	A 11		
	6235	E 11		
	6237	C 11		
	6238	D 11		
	6246	G 12		
	6251	O 8		
	6260	L 11		
	6262	N 11		
O	6266	N 12		
	6272	O 13		
	6280	D 14		
	6306	H 7		
	6321	I 8		

6352	I 14
6353	I 14
6372	K14
6373	K14
6375	G11
6376	H11
7201	N 6
7216	F 8
7241	E13
7242	F13
7243	F13
7246	H15
7250	N 7
7251	N 8
7268	N12
7270	M13
7272	O16
7273	O14
7321	I 8
7380	H12
7381	H13
7384	H14
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9205	B 6
9206	C 6
9207	B 3
9208	C 3
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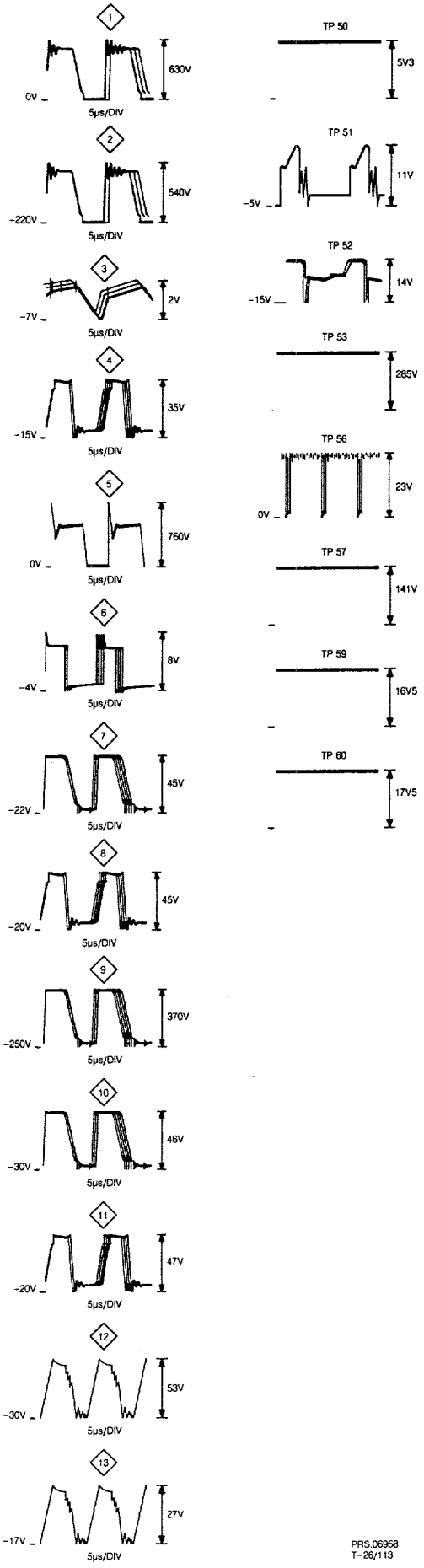
9219	M10
9223	H 7
9231	A10
9232	B10
9235	E10
9239	N10
9242	A 6
9243	D10



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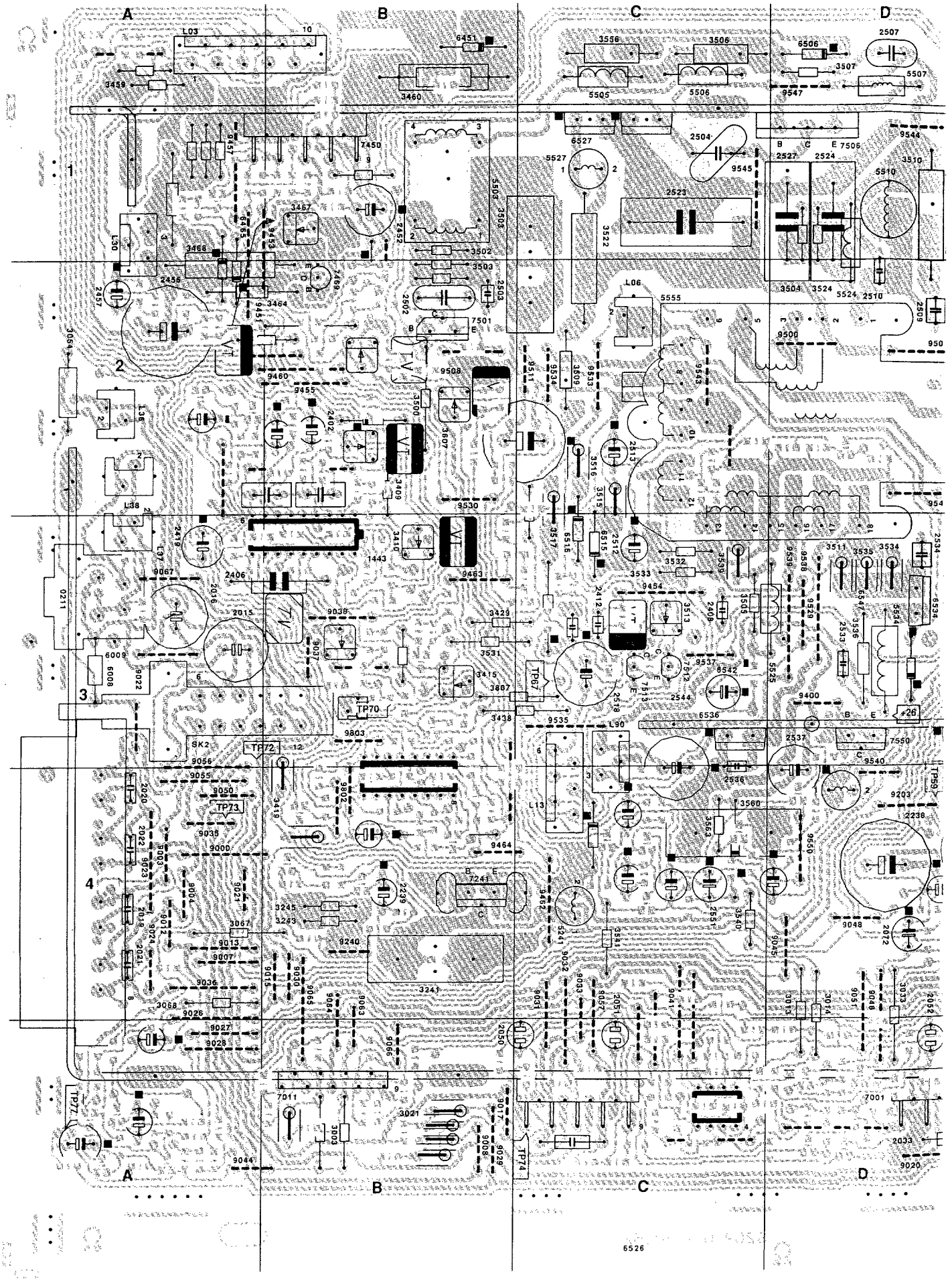
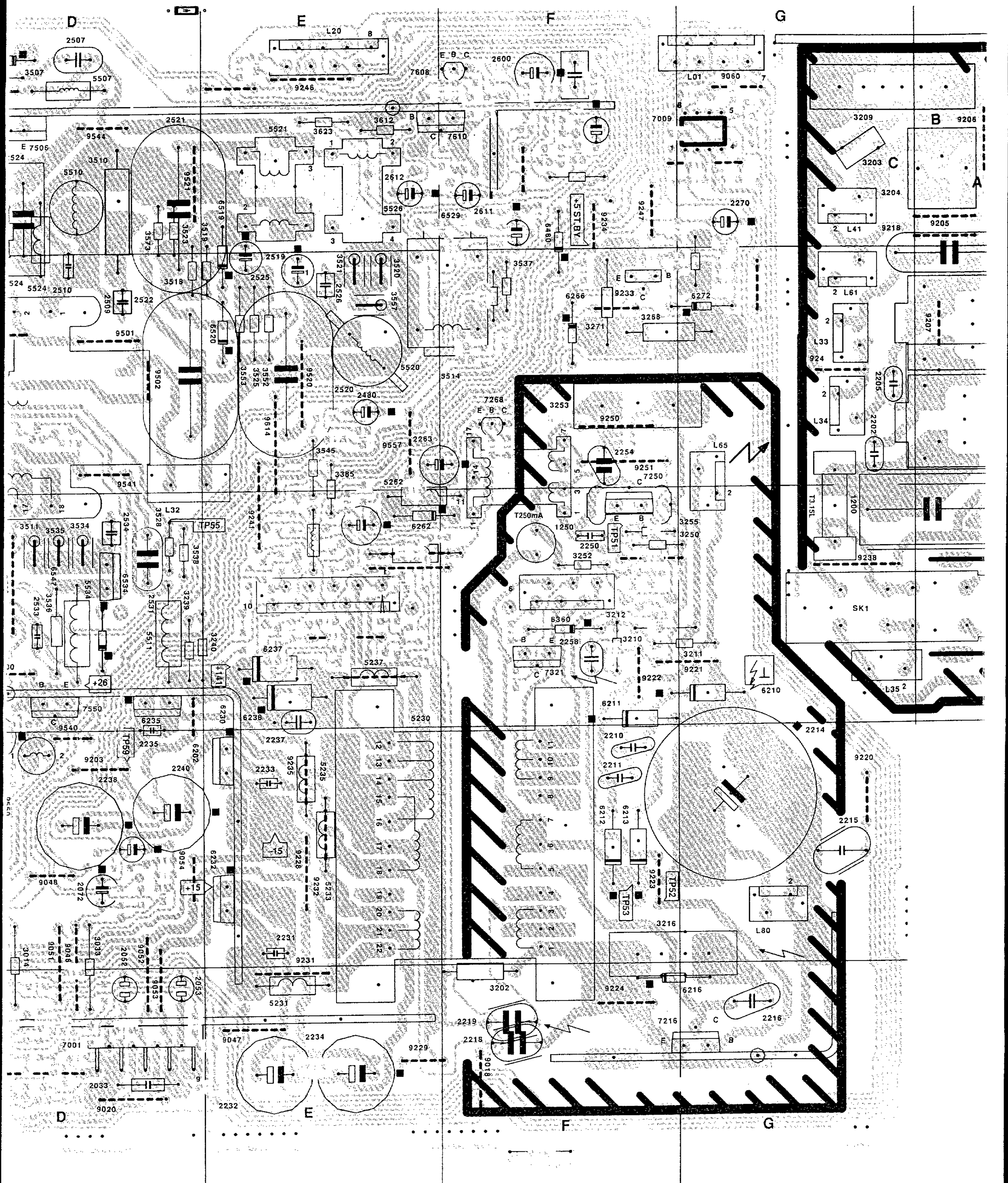
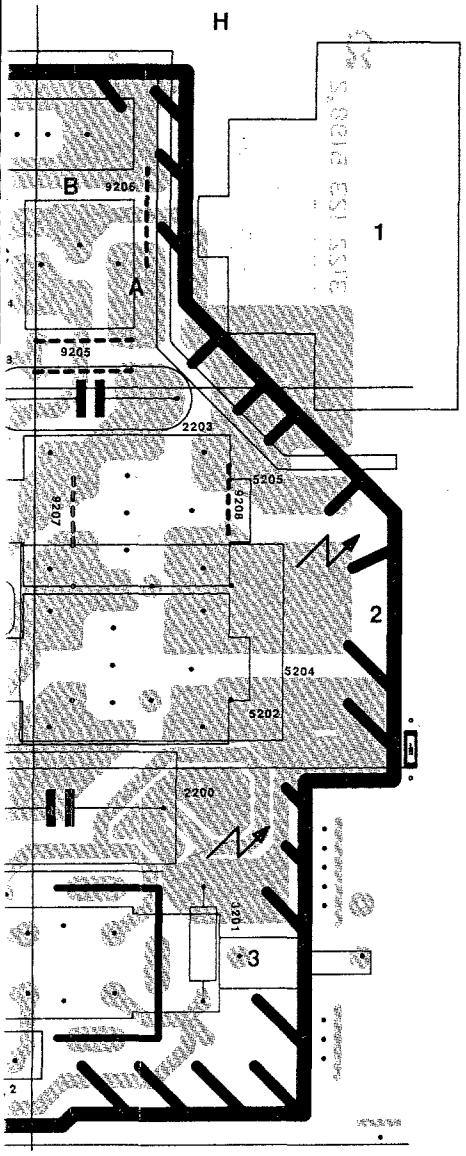
Large signal panel Groß-signal Platine



Platine forts signaux





0207 A4
0211 A3
1200 G3
1240 C4
1250 F3
2001 G1
2002 G1
2003 G1
2007 B5
2008 B5
2009 G1
2011 D5
2012 C5
2013 C5
2015 A3
2016 A3
2017 A5
2018 A5
2019 A4
2020 A4
2021 A4
2022 A4
2023 A3
2024 A3
2026 B5
2027 C5
2028 B5
2029 B5
2031 C5
2032 B5
2033 D5
2035 C5
2038 D4
2040 D5
2041 D5
2042 C5
2043 C5
2044 E5
2045 D5
2046 B5
2047 B5
2050 C5
2051 C5
2052 D5
2053 D5
2056 C5
2057 C5
2058 D5
2059 E5
2060 B5
2061 B5
2065 C4
2066 D5
2070 A5
2071 A5
2072 D4
2073 D4
2074 A5
2200 H3
2202 G2
2203 H2
2205 G2
2210 F4
2211 F4
2214 G4
2215 G4
2216 G5
2217 F3
2218 F5
2219 F5
2231 E4
2232 E5
2233 E4
2234 E5
2235 D3
2236 D4
2237 E3
2238 D4
2239 B4
2250 F3
2254 F2
2255 F3
2258 F3
2260 E3
2261 E3
2262 E3
2263 E2
2270 G1
2272 G2
2330 B4
2380 E3
2381 E3
2382 E3
2386 E3
2401 B3
2402 B2
2403 A2
2404 A2
2405 A2
2406 B3
2407 B2
2408 C3
2409 B2
2410 B2
2411 B2
2412 C3
2413 C3
2415 A3
2416 B3
2417 B3
2418 A3
2419 A3
2450 A1
2451 B1
2452 B1
2455 B1
2456 A2
2457 A2
2458 B1
2459 B1
2460 B1
2461 B1
2480 E2
2501 B2
2502 B2
2503 B2
2504 C1
2507 D1
2509 D2
2510 D2
2511 C2
2512 C3
2513 C2
2517 C3
2518 C3
2519 E2
2520 E2
2521 D1
2522 D1
2523 C1
2524 D1
2525 E2
2526 E2
2527 D1
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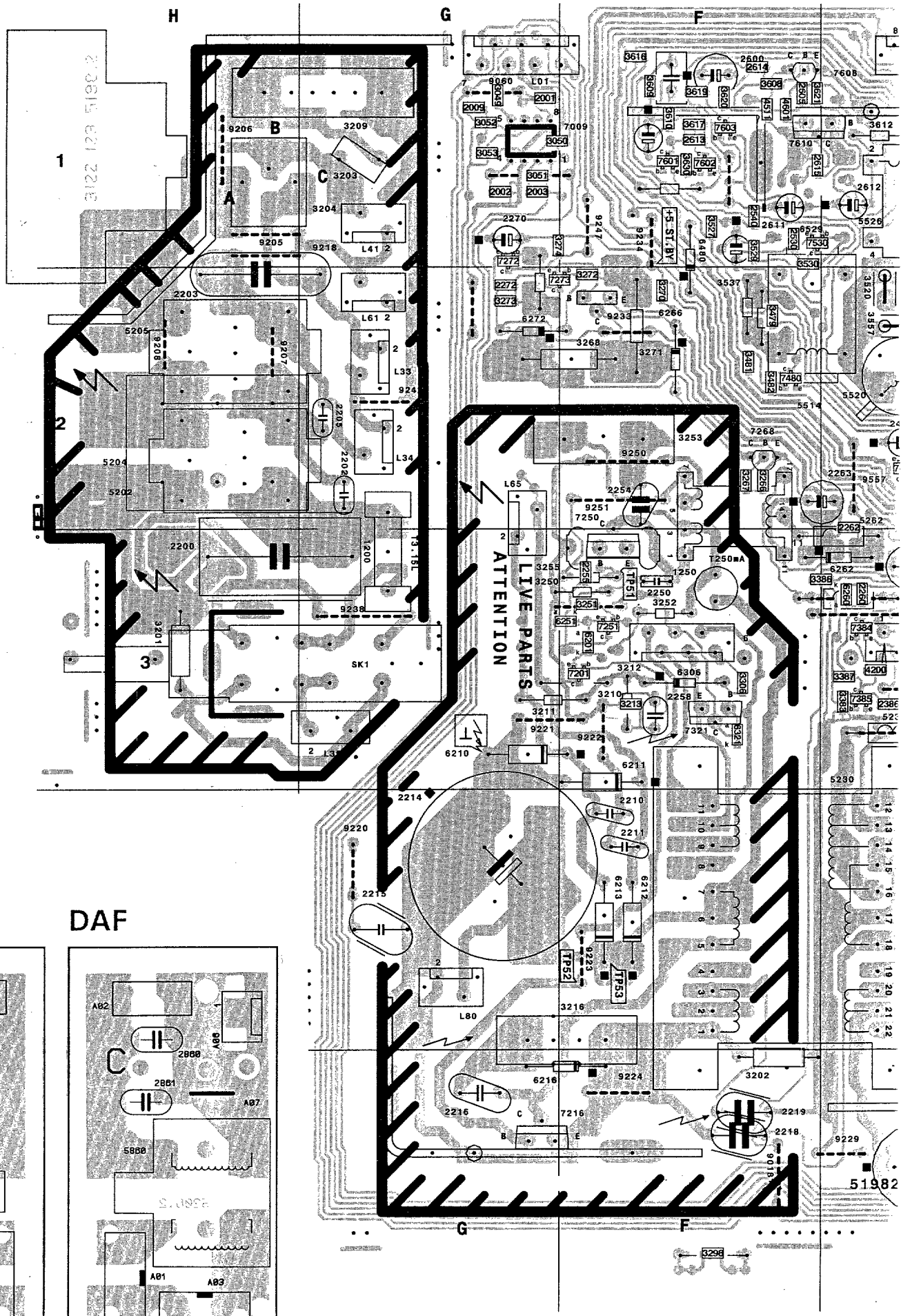
Large signal panel Groß-s



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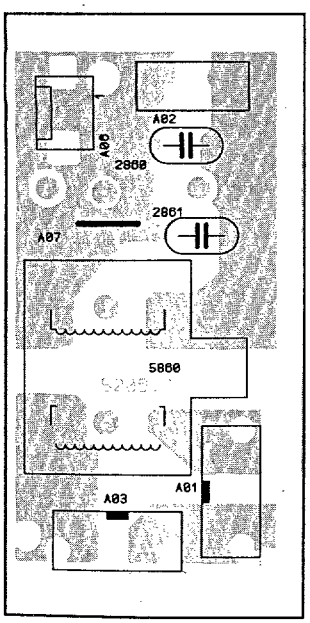

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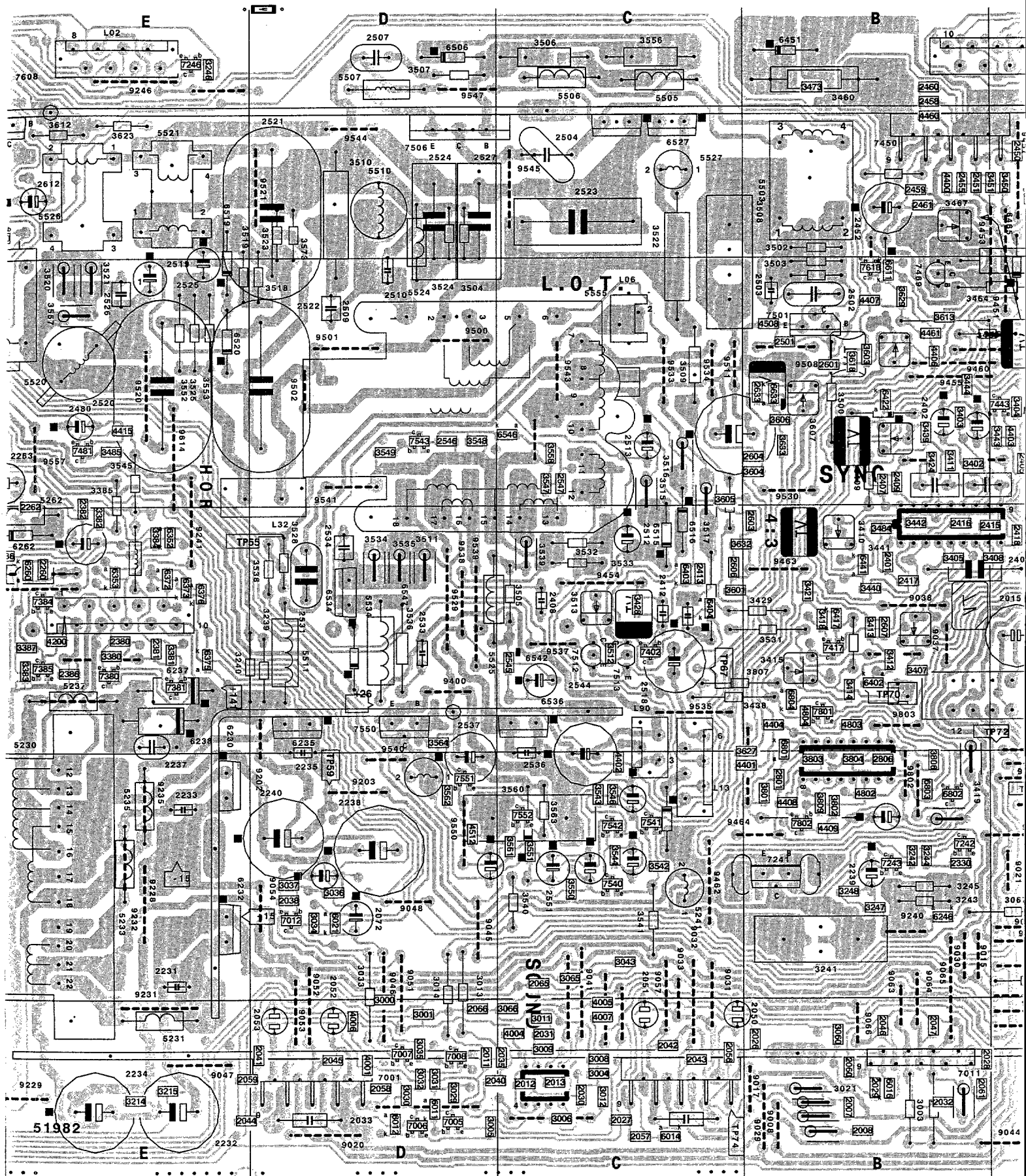
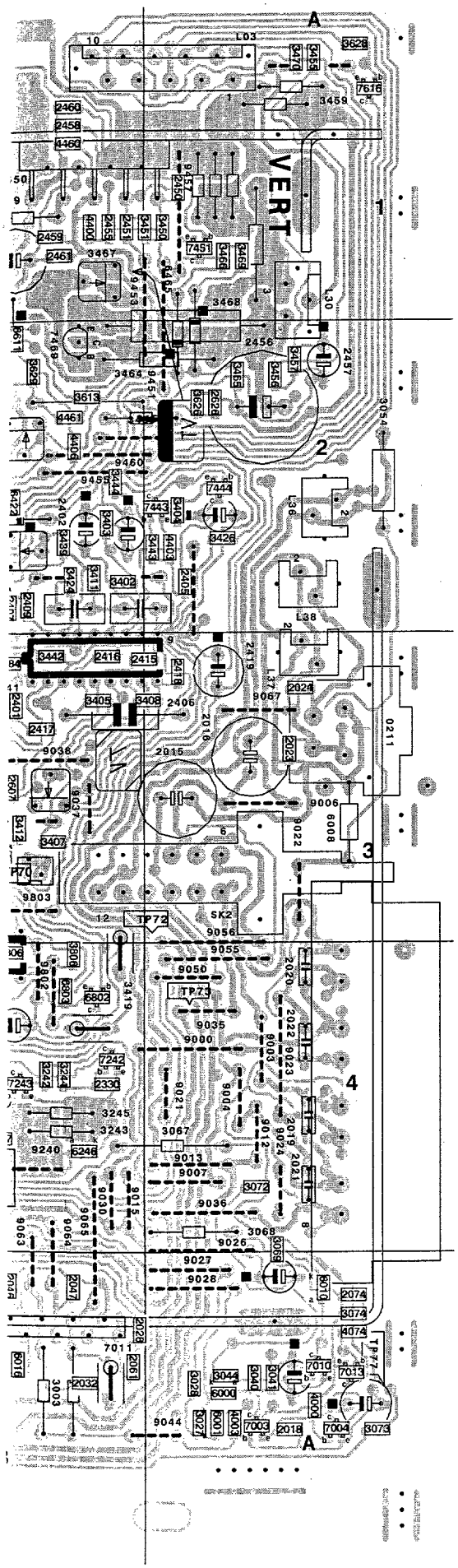


6.9 CHASSIS FL1.2



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9224 F5
9225 E3
9228 E4
9229 E5
9230 F3
9231 E5
9232 E4
9233 F2
9234 F1
9235 E4
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9242 G2
9243 E3
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9247 F1
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9457 A1
9458 A1
9460 B2
9461 B4
9462 C4
9463 B3
9464 C4
9468 B3
9471 B2
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9501 D2
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9521 D1
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9534 C2
9535 C3
9537 C3
9538 D3
9539 D3
9540 D4
9541 D2
9542 C2
9543 C2
9544 D1
9545 C1
9547 D1
9549 E1
9552 F1
9557 E2
9614 E2
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9802 B4
9803 B3

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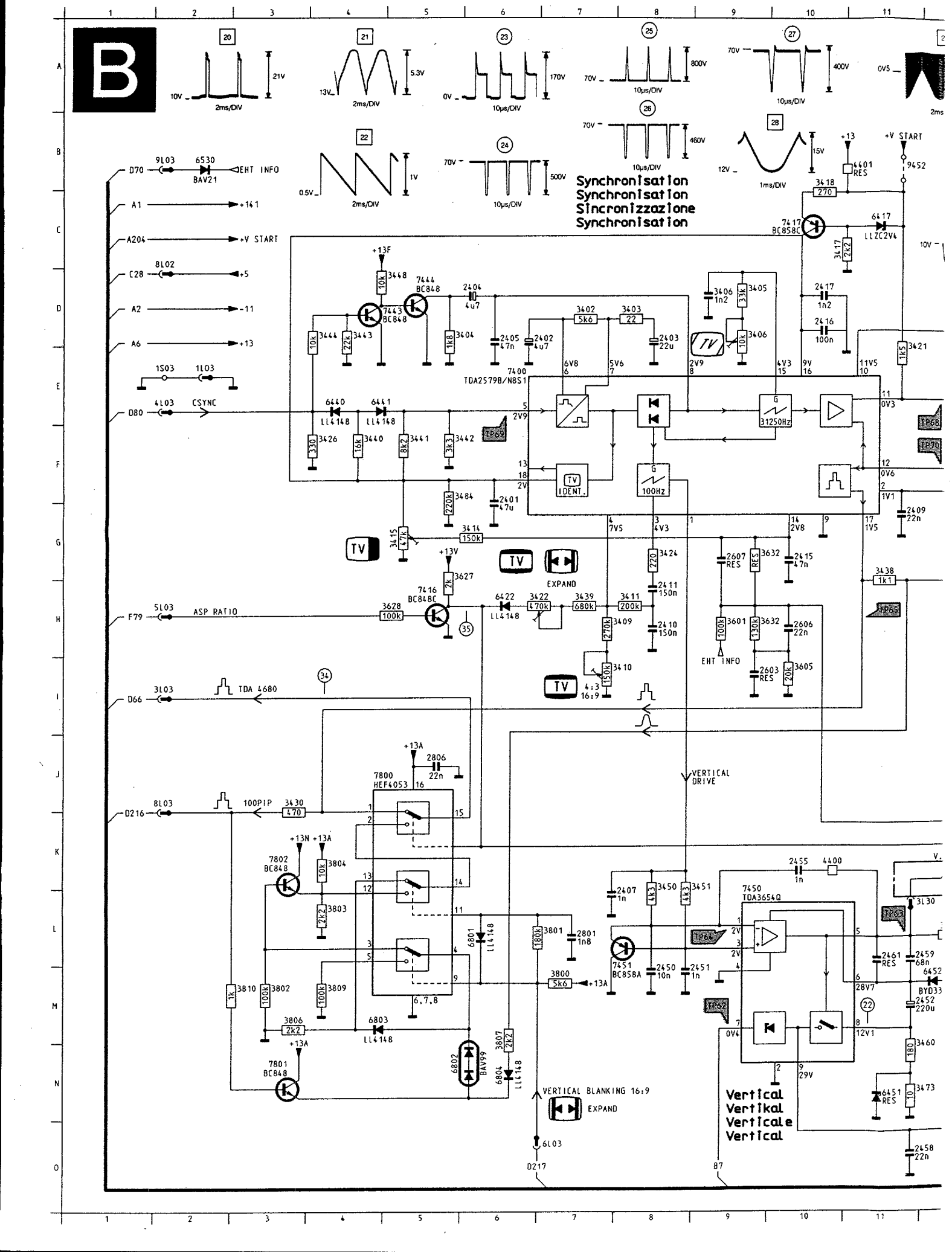
B
Synchronisation
Synchronisation
Sincronizzazione
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VERTICAL BLANKING 16:9
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VERTICAL DRIVE
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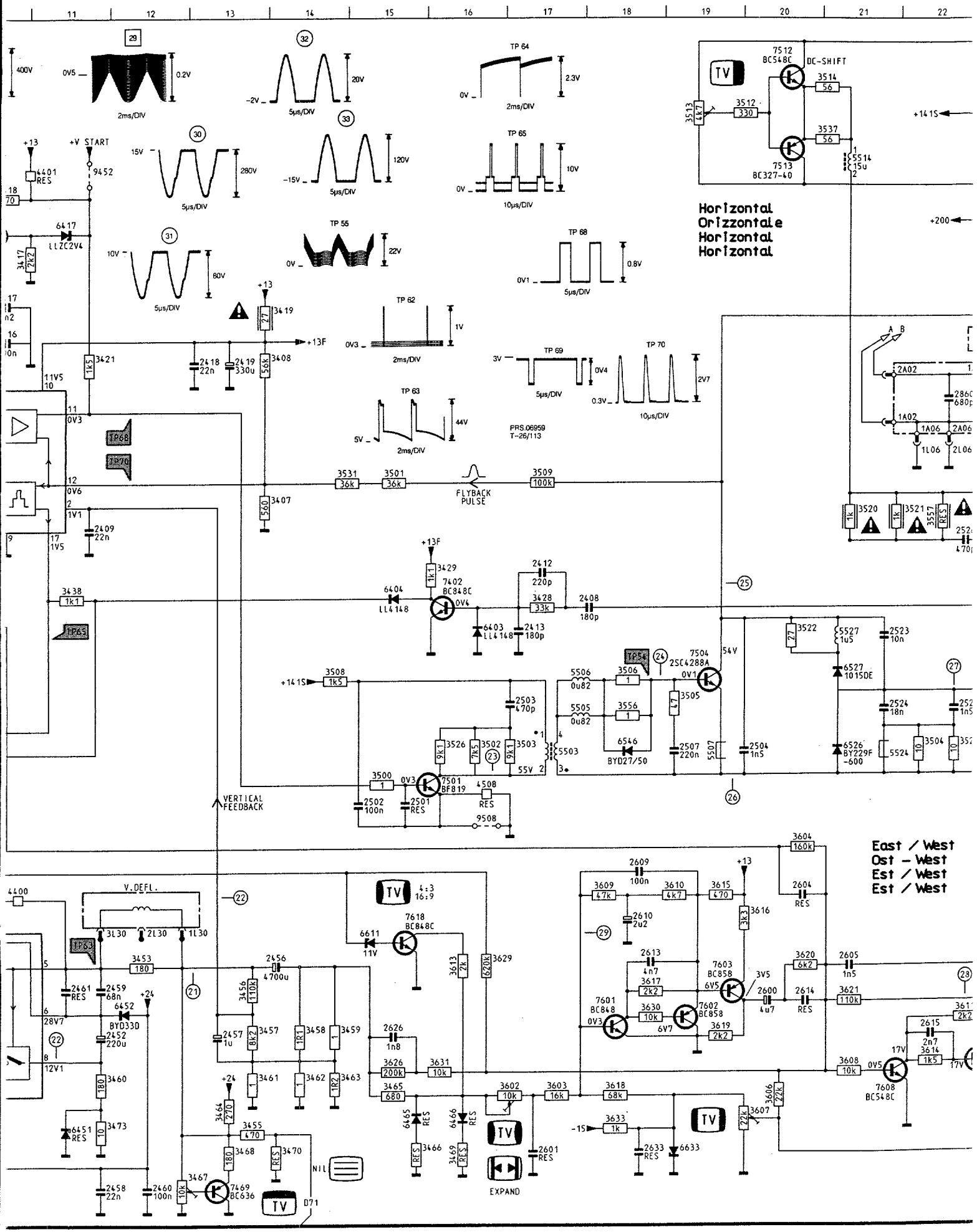
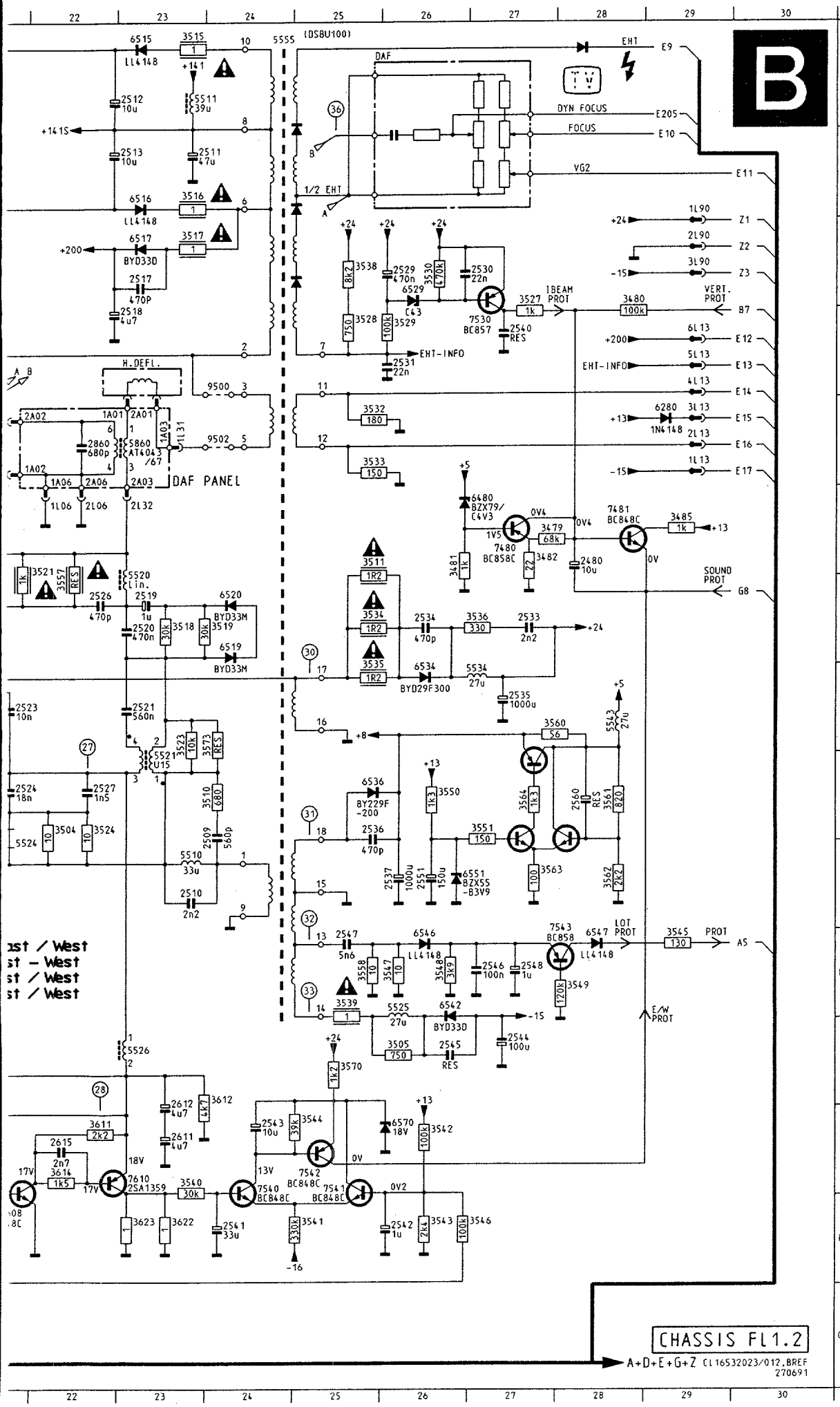
ASP RATIO
Vertical
Vertikal
Verticale
Vertical

Synchronisation





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A	2405	D 6	3456	L13	3801	L 7
	2407	L 8	3457	M13	3802	M 3
	2408	H18	3458	M14	3803	L 4
	2409	G11	3459	M14	3804	K 4
	2410	H 8	3460	M11	3806	M 3
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	2417	D10	3466	N15	6508	J16
	2418	E13	3467	O12	5503	I17
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	2451	M 8	3470	N14	5507	I19
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C	2455	K10	3479	F27	5511	A23
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	2503	I17	3504	I22	5555	A24
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	2509	I24	3506	H18	6403	H16
	2510	J23	3508	H14	6404	G15
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	2512	A23	3510	I24	6422	H 6
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	2545	L26	3535	H25	6570	M26
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	2547	K25	3537	B21	6633	N19
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	2806	J 5	3563	J27	7540	M24
	2860	E22	3564	I27	7541	M25
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	3403	D 8	3573	H24	7543	K28
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L	3405	D 9	3602	N17	7602	M19
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N	3424	G 8	3617	L18		
	3426	F 4	3618	N18		
	3428	H17	3619	M19		
	3429	G16	3620	L20		
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	3440	F 4	3626	M15		
O	3441	F 5	3627	G 5		
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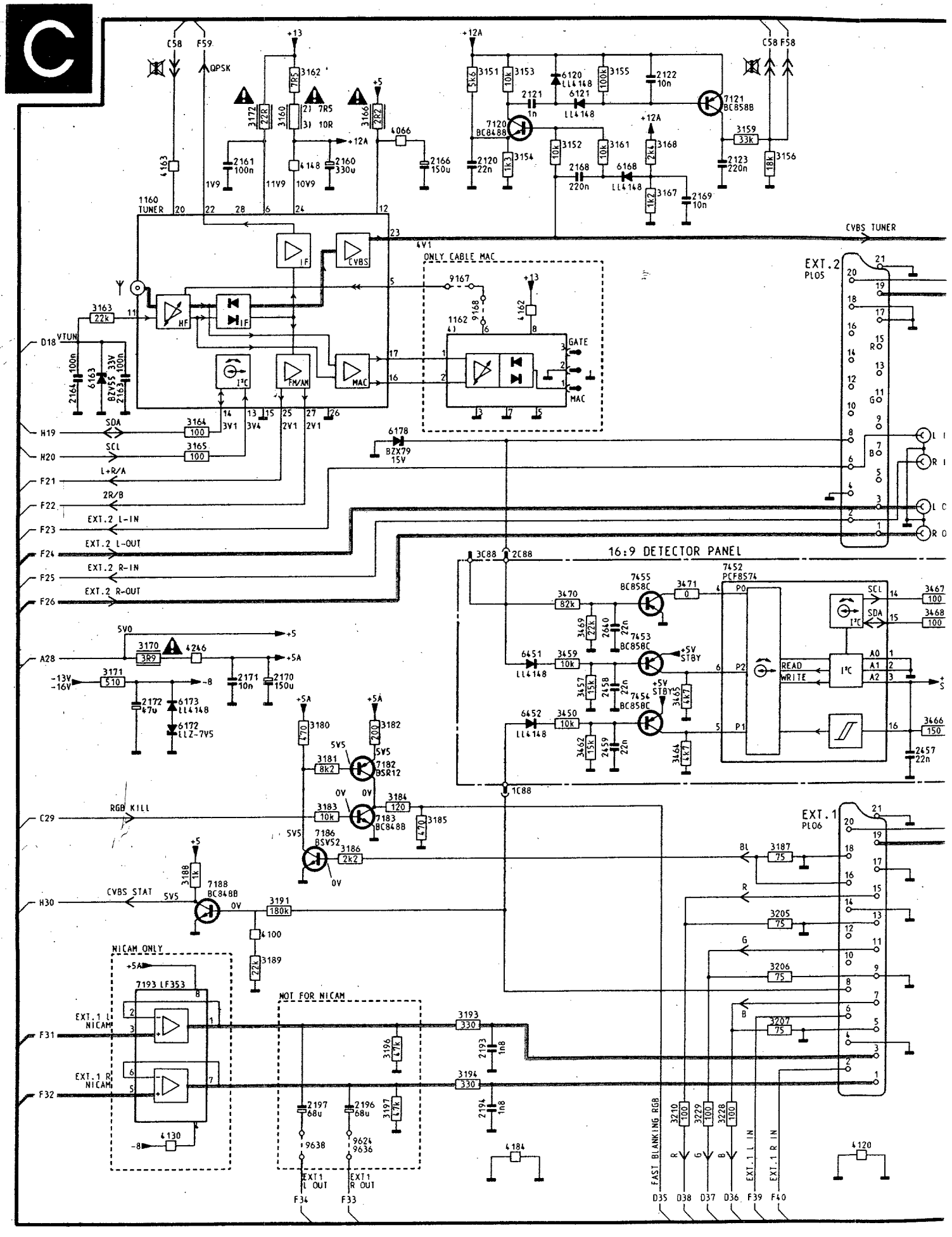
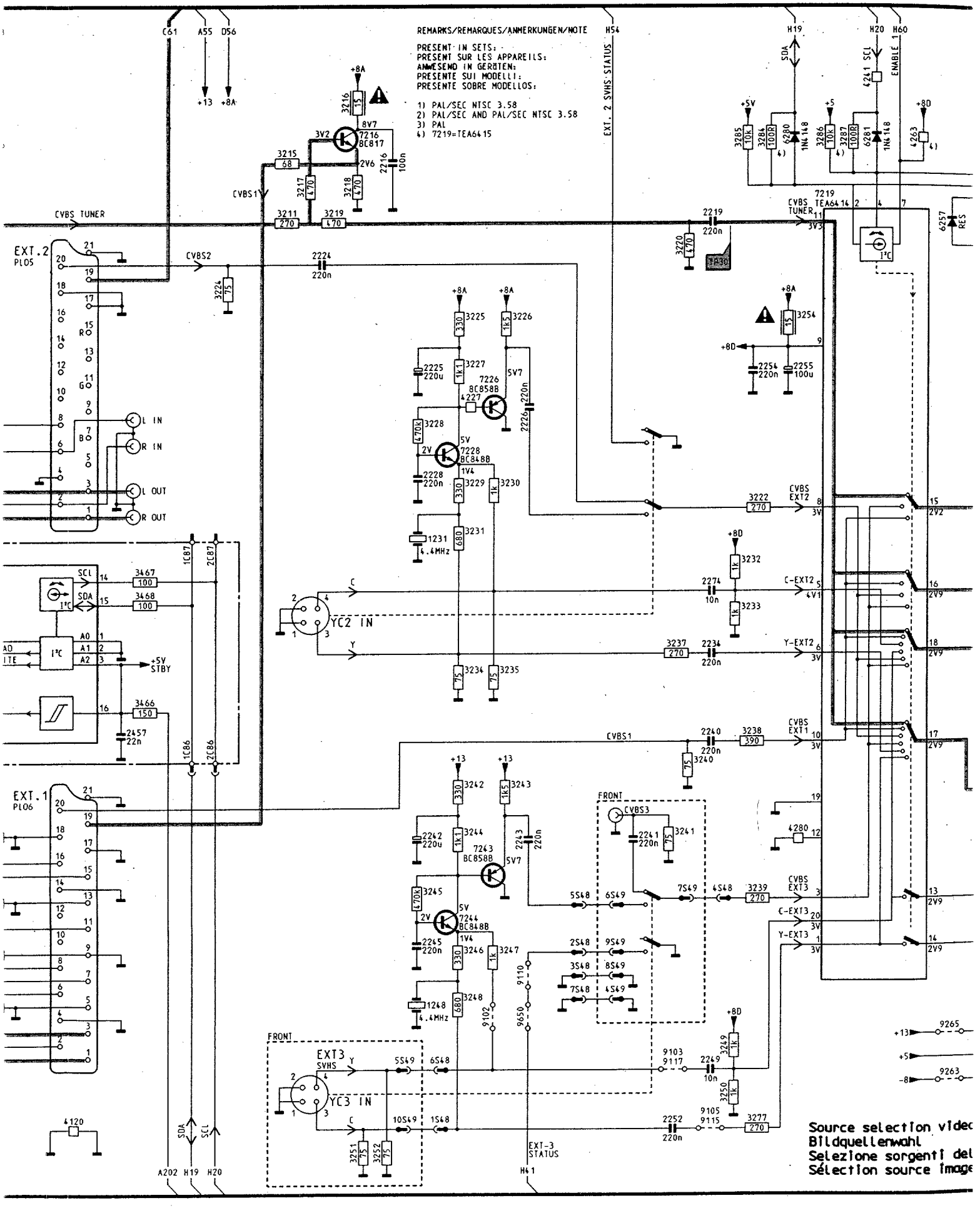
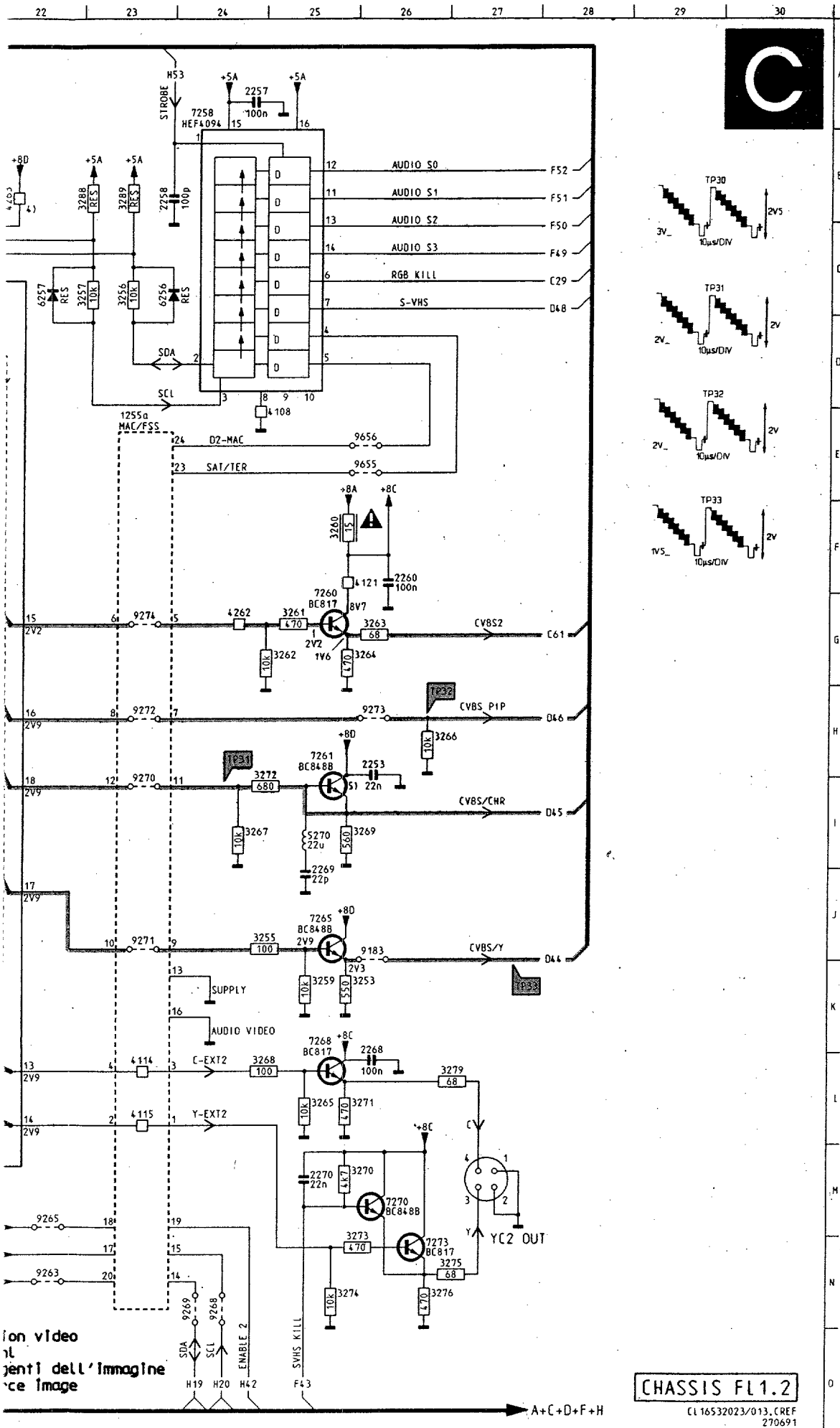

C
C58 F59
QPSK
+13
+12A
+5
1160 TUNER
CVBS TUNER
IF
CVBS
HF
FM/AM
MAC
I²C
ONLY CABLE MAC
GATE
MAC
EXT.2 PLO5
VTUN
SDA
SCL
L+R/A
2R/B
EXT.2 L-IN
EXT.2 L-OUT
EXT.2 R-IN
EXT.2 R-OUT
16:9 DETECTOR PANEL
7452 PCF8574
7455 BC858C
7453 BC858C
7454 BC858C
READ
WRITE
RGB KILL
CVBS STAT
7182 BSR12
7183 BC848B
7186 BSV52
7188 BC848B
7121 BC858B
7120 BC848B
NICAM ONLY
7193 LF353
NOT FOR NICAM
EXT.1 L NICAM
EXT.1 R NICAM
EXT1 L OUT
EXT1 R OUT
EXT.1 PLO6
FAST BLANKING RGB
EXT.1 L IN
EXT.1 R IN

CS40527

Sélection de source





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	2120	B 6	3247	L16	9268	N24
	2121	B 7	3248	M16	9269	N24
	2122	A 8	3249	N19	9270	I23
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	2160	B 5	3251	O15	9272	H23
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	2163	E 2	3253	K25	9274	G23
B	2164	E 1	3254	D20	9624	N 5
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	2168	B 8	3256	C23	9638	N 4
	2169	C 9	3257	C23	9650	M17
	2170	I 4	3259	K25	9655	E26
	2171	I 3	3260	F25	9656	E26
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C	2194	N 6	3263	G26		
	2196	N 5	3264	G25		
	2197	N 4	3265	L25		
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	2253	H26	3285	B19		
	2254	E20	3286	B21		
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	2258	B23	3289	B23		
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	2270	M25	3462	J 8		
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	2457	J12	3465	I 9		
	2458	I 8	3466	I12		
	2459	J 8	3467	H12		
G	2640	H 8	3468	H12		
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	3153	A 7	3471	H 9		
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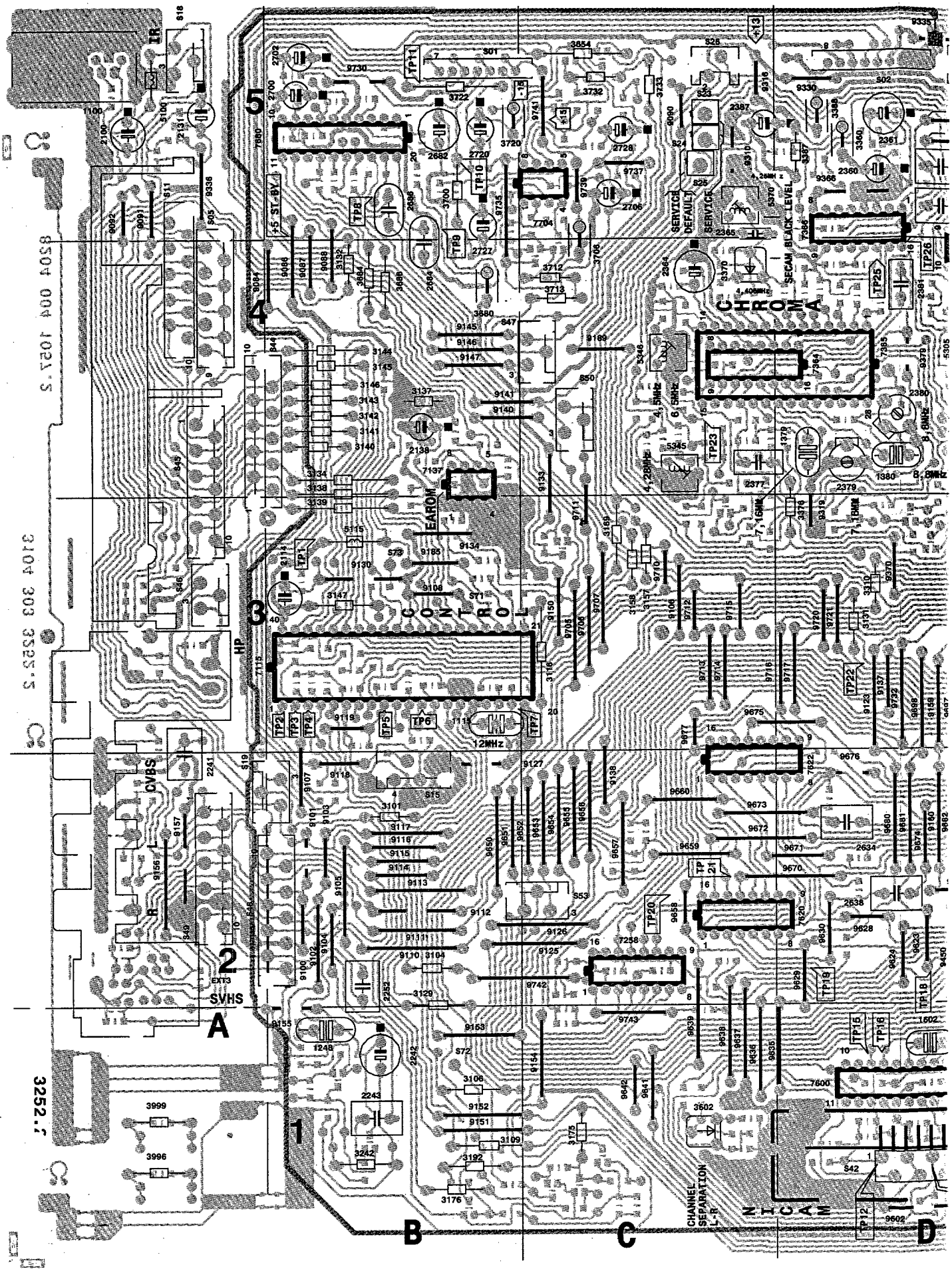
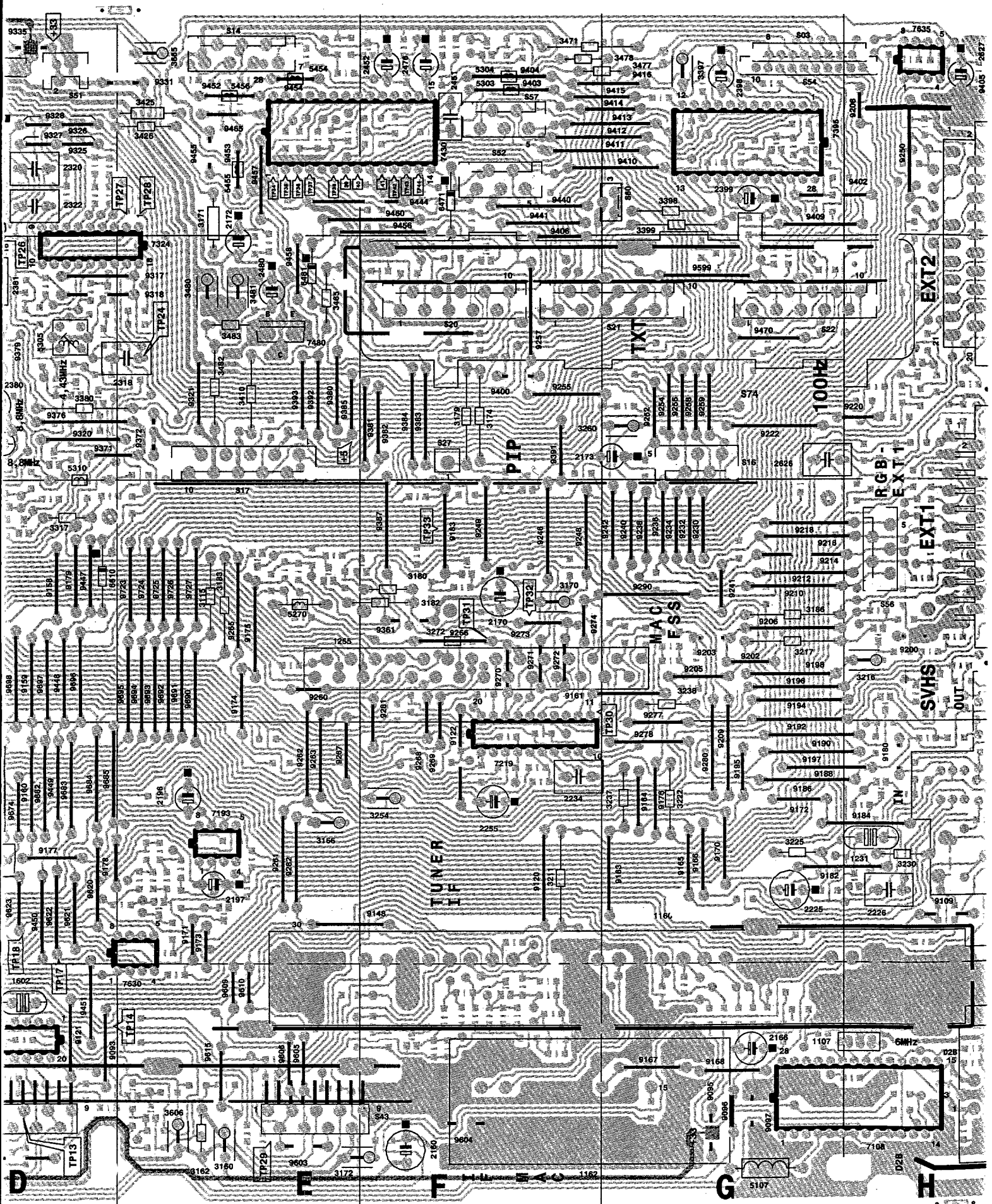
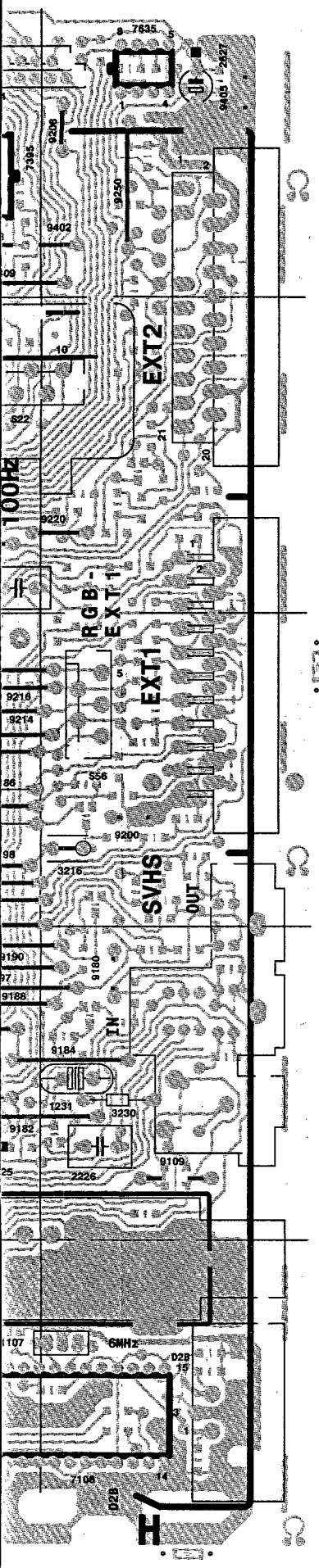
Small signal panel Klein-signal Platine



Platine petits signaux





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TP4	B3	2160	F1	3260	G4	9114	B2	9255	F4	9609	E1
TP5	B3	2166	G1	3272	F3	9115	B2	9256	G4	9610	E1
TP6	B3	2170	F3	3310	D3	9116	B2	9257	F4	9615	E1
TP7	B3	2172	E4	3317	D3	9117	B2	9258	G4	9620	D2
TP8	B5	2173	G4	3360	D5	9118	B2	9259	G4	9621	D2
TP9	B5	2196	E2	3370	C4	9119	B3	9260	E3	9622	D2
TP10	B5	2197	E2	3376	D3	9120	F2	9261	E2	9623	D2
TP11	B5	2225	G2	3380	D4	9121	D1	9262	E2	9624	D2
TP12	D1	2226	H2	3387	D5	9122	F2	9263	E2	9628	D2
TP13	D1	2234	F2	3388	D5	9123	D3	9265	E3	9629	D2
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TP15	D1	2242	B1	3398	G5	9126	C2	9267	E2	9635	C1
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EXT2	H4	2720	B5	5115	B3	9171	E2	9371	D4	9690	E3
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S03	H5	3104	B2	5305	D4	9175	E3	9380	E4	9694	E3
S05	A4	3106	B1	5310	D3	9176	G2	9381	F4	9695	E3
S11	A5	3109	B1	5345	C4	9177	D2	9382	F4	9696	D3
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S15	B2	3116	C3	5370	C5	9179	D3	9384	F4	9698	D3
S16	G4	3129	B2	5454	E5	9180	H2	9385	E4	9705	C3
S17	E4	3131	D3	5455	E5	9182	G2	9387	F3	9706	C3
S18	A5	3132	B4	5456	E5	9183	F3	9391	F4	9707	C3
S19	B2	3134	B4	6471	F5	9184	H2	9392	E4	9710	C3
S20	F4	3137	B4	6481	E4	9185	B3	9393	E4	9711	C3
S21	F4	3138	B3	6610	D3	9186	G2	9400	F4	9712	C3
S22	G4	3139	B3	7115	B3	9188	G2	9402	G5	9713	C3
S23	C5	3140	B4	7137	B3	9189	C4	9403	F5	9714	C3
S24	C5	3141	B4	7193	E2	9190	G2	9404	F5	9715	C3
S25	C5	3142	B4	7219	F2	9192	G2	9405	H5	9716	D3
S26	C5	3143	B4	7324	E5	9194	G3	9406	F4	9717	D3
S27	F4	3144	B4	7366	D5	9195	G2	9409	G5	9720	D3
S42	D1	3145	B4	7395	G5	9196	G3	9410	G5	9721	D3
S43	E1	3146	B4	7430	E5	9197	G2	9411	F5	9723	E3
S44	B4	3147	B3	7480	E4	9198	G3	9412	F5	9724	E3
S45	A4	3157	C3	7635	H5	9200	H3	9413	G5	9725	E3
S46	A3	3158	C3	7680	B5	9202	G3	9414	G5	9726	E3
S47	C4	3160	E1	7704	C5	9203	G3	9415	F5	9727	E3
S48	B2	3162	E1	9084	B4	9205	G3	9416	G5	9730	B5
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S50	C4	3169	C3	9087	B4	9208	H5	9441	F5	9735	B5
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S52	F5	3171	E5	9090	C5	9210	G3	9447	D3	9739	C5
S53	C2	3172	E1	9091	A5	9212	G3	9448	D3	9741	C5
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S56	H3	3175	C1	9093	D1	9216	G3	9450	D2	9743	C1
S57	F5	3176	B1	9095	G1	9218	G3	9451	D1		
S60	G5	3179	F4	9096	G1	9220	H4	9452	E5		
SVHS	H2	3180	F3	9097	G1	9222	G4	9453	E5		
1100	A5	3182	F3	9100	B2	9230	G3	9454	E5		
1107	G1	3183	E3	9101	B2	9232	G3	9455	E5		
1115	B3	3186	G3	9102	B2	9234	G3	9456	F4		
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1162	F1	3211	F2	9104	B2	9238	G3	9458	E4		
1231	H2	3216	H3	9105	B2	9240	G3	9460	F5		
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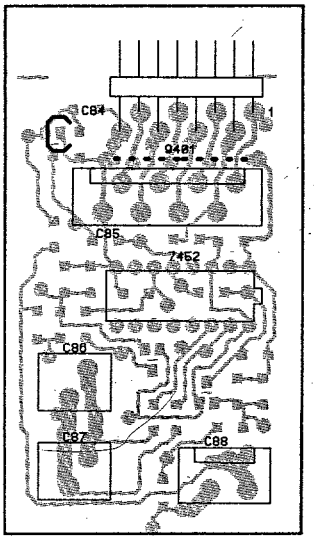
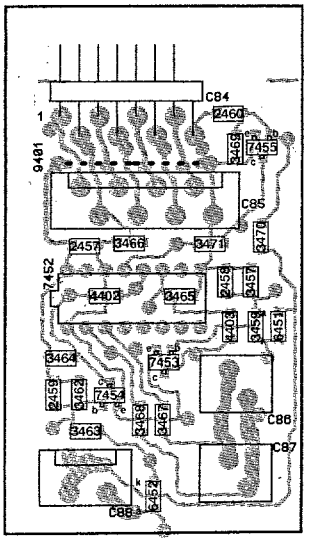
1379	D4	3222	G2	9107	B2	9242	G3	9470	G4		
1380	D4	3225	G2	9108	B3	9246	F3	9599	G4		
1602	D1	3230	H2	9109	H2	9248	F3	9602	D1		
2100	A5	3237	G2	9110	B2	9249	F3	9603	E1		

16:9 Detector Panel

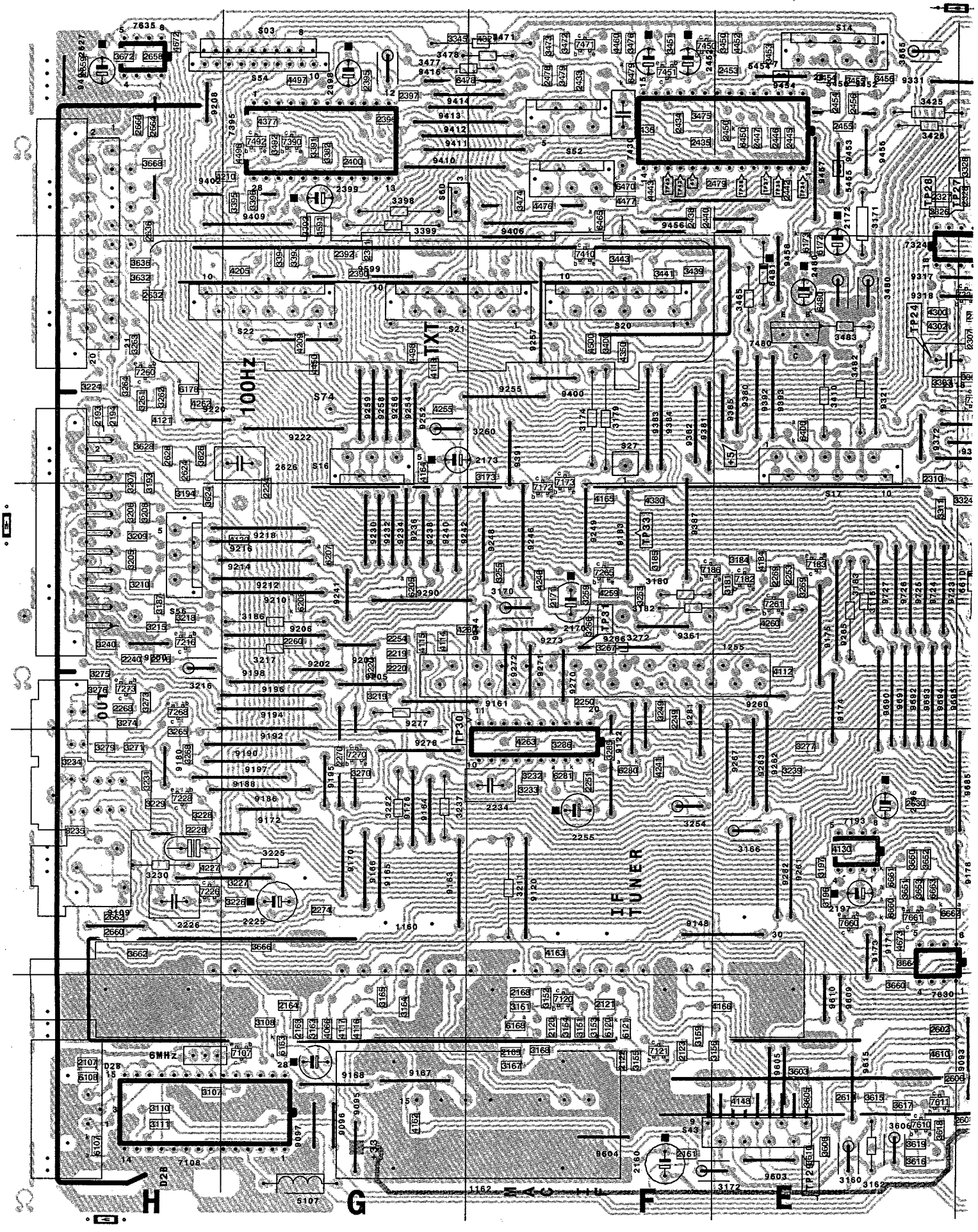


16:9 Detector Panel



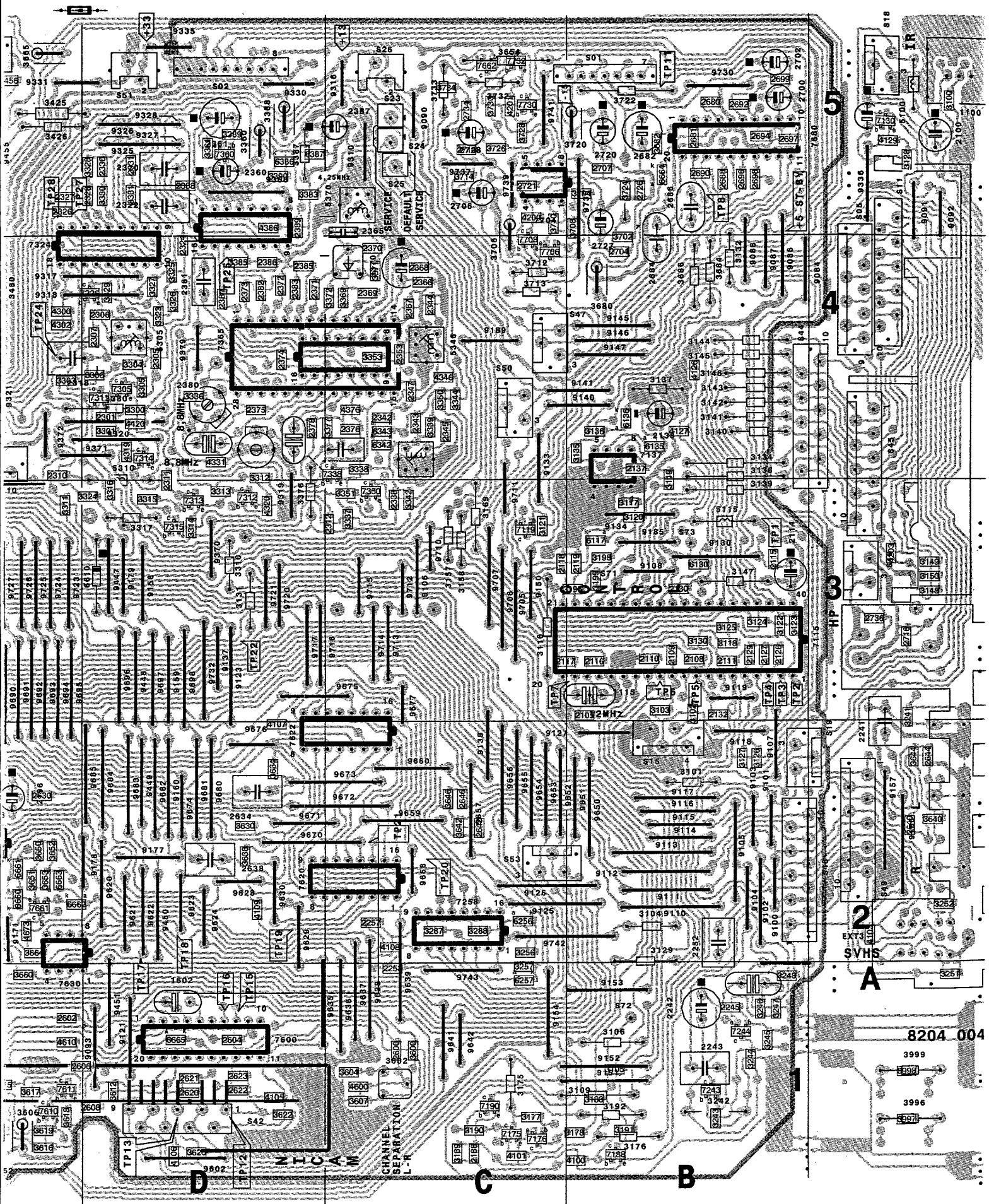
CS40528

Small signal panel Klein-signal Platine Platine

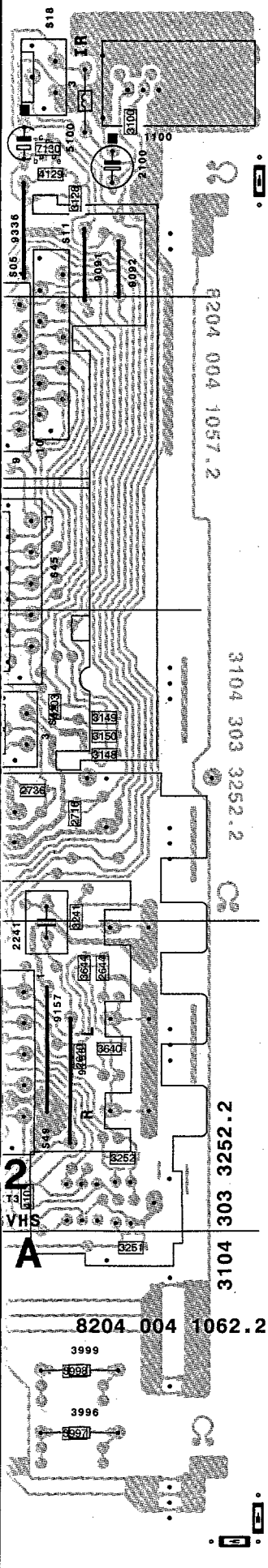


CS40529

Platine petits signaux



Carte à petite signaux



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TP3 B3	2108 B3	2369 C4	2704 B4	3187 H3	3316 D3	3632 H4	4331 D4	7219 F2	9141 B4	9277 G2	9651 B2
TP4 B3	2109 B3	2370 C4	2706 C5	3188 B1	3317 D3	3634 D2	4346 C4	7226 H2	9145 B4	9278 G2	9652 C2
TP5 B3	2110 B3	2371 D4	2707 B5	3189 C1	3323 D4	3636 H4	4350 F4	7228 H2	9146 B4	9280 G2	9653 C2
TP6 B3	2111 B3	2372 D4	2714 C5	3190 C1	3324 D3	3638 D2	4376 C4	7243 B1	9147 B4	9281 F2	9654 C2
TP7 B3	2114 B3	2373 D4	2716 A3	3191 B1	3325 D4	3640 A2	4377 G5	7244 B1	9148 E2	9282 E2	9655 C2
TP8 B5	2115 B3	2374 D4	2720 B5	3192 B1	3326 D4	3642 C2	4386 D5	7258 C2	9150 C3	9290 G3	9656 C2
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TP10 B5	2117 B3	2376 C4	2726 B5	3194 H3	3328 D5	3646 C2	4443 F5	7261 E3	9152 B1	9316 C5	9658 C2
TP11 B5	2118 C3	2377 C4	2727 B5	3195 B3	3329 D4	3650 E2	4450 G4	7265 F3	9153 B1	9317 D4	9659 C2
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TP13 D1	2120 F1	2379 D4	2734 C5	3197 E2	3331 D5	3652 E2	4460 F5	7270 G2	9155 B1	9319 D3	9670 D2
TP14 D1	2121 F1	2380 D4	2736 A3	3198 B3	3336 D4	3653 E2	4476 F5	7273 H3	9156 A2	9320 D4	9671 D2
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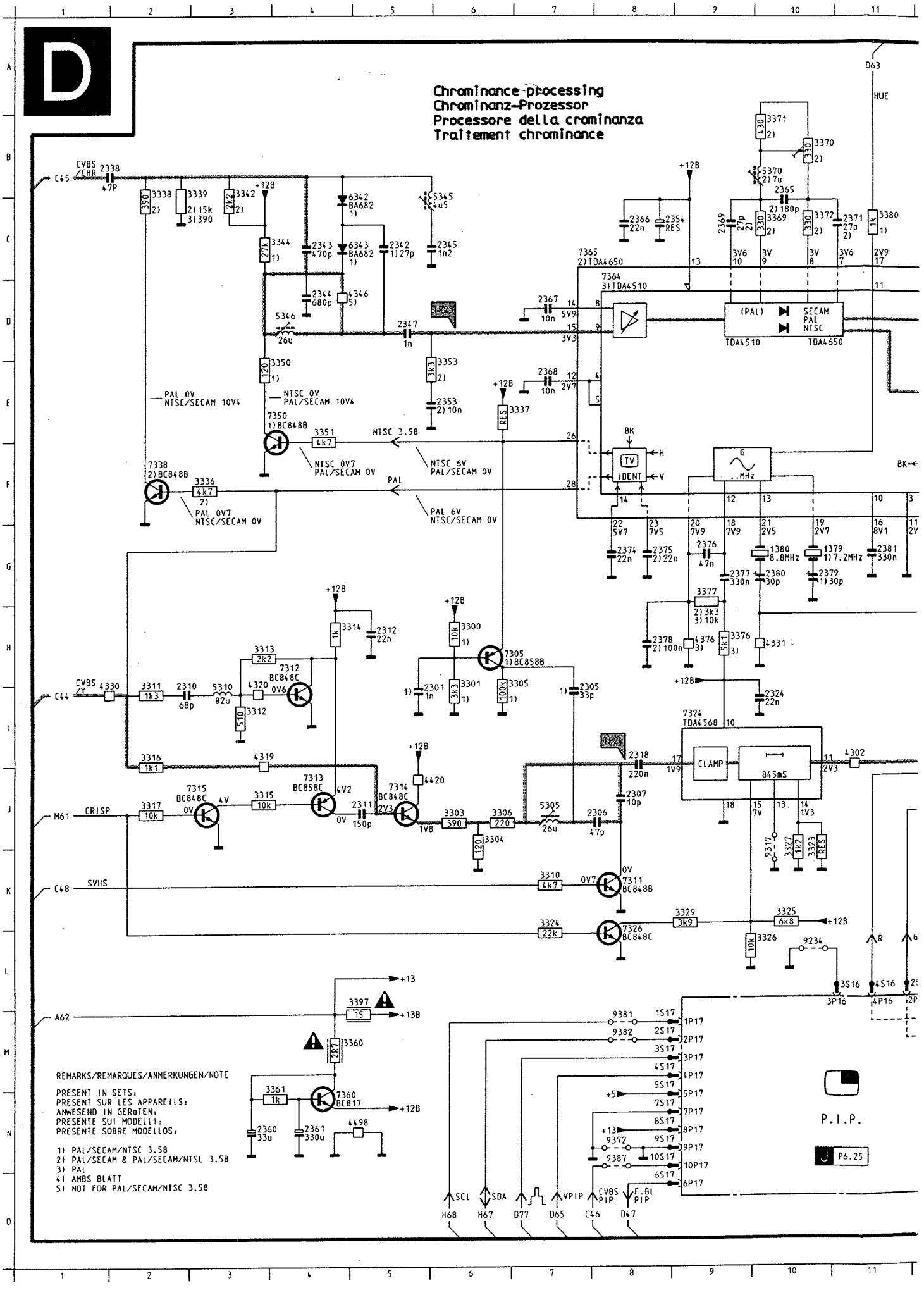
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Chrominanz-Prozessor
Processore della crominanza
Traitement chrominance
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
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2) PAL/SECAM & PAL/SECAM/NTSC 3.58
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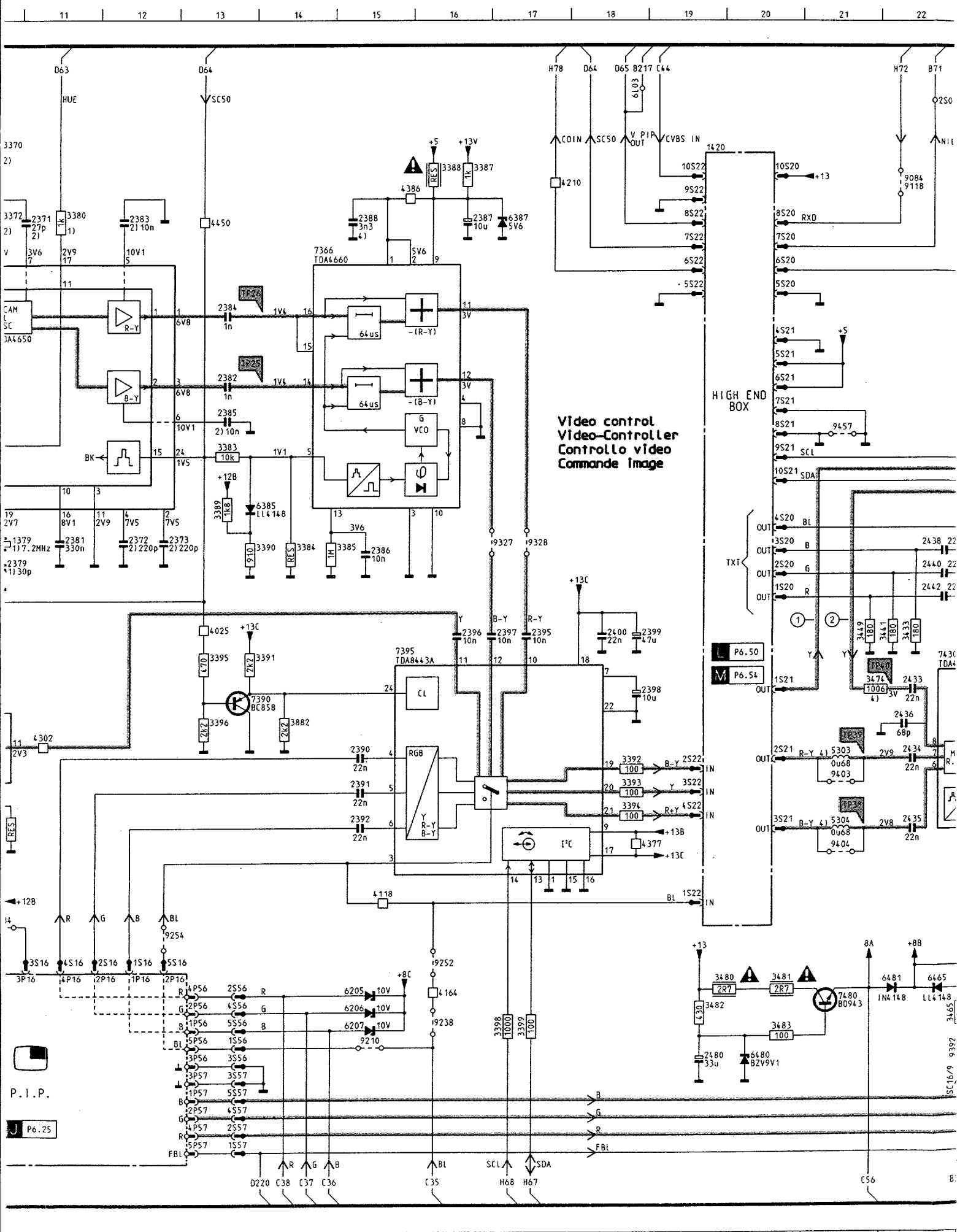
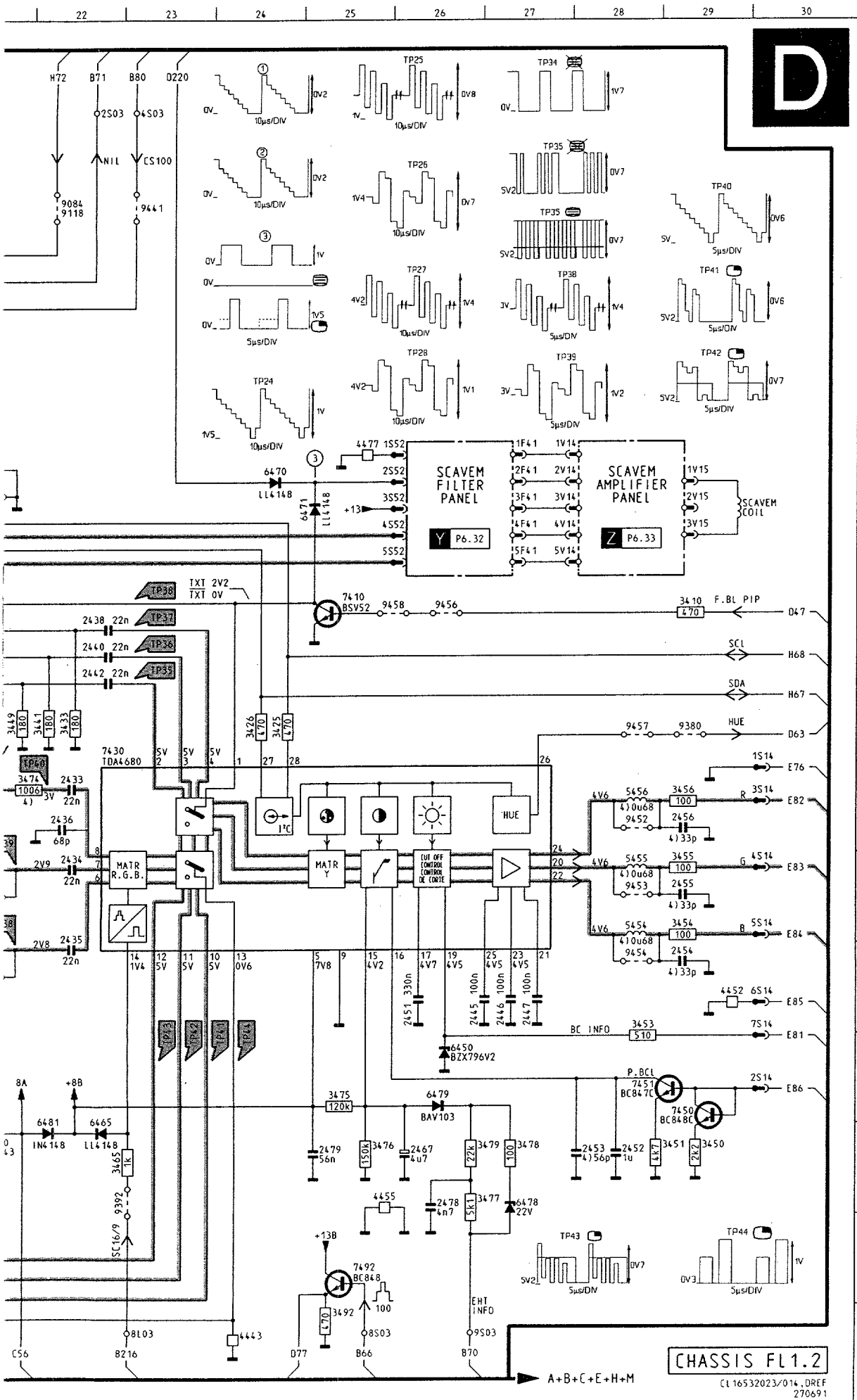
P.I.P.
J P6.25

Traitement vidéo





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	2306	J 8	3393	J18	9404	K21
	2307	J 8	3394	J18	9441	B23
	2310	I 2	3395	H13	9452	I28
	2311	J 5	3396	I13	9453	J28
	2312	H 5	3397	L 5	9454	K28
	2318	I 8	3398	M17	9456	G26
	2324	I10	3399	M17	9457	H28
B	2338	B 1	3410	G29	9457	E21
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	2347	D 5	3449	H21		
	2353	E 6	3450	M29		
	2354	C 8	3451	M29		
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	2374	G 8	3479	M26		
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	2376	G 9	3481	L20		
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	2378	H 8	3483	M20		
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	2392	J15	4376	H 9		
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	2446	K27	5346	D 4		
	2447	K27	5370	B10		
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	2454	K29	6205	M15		
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	3303	J 6	6470	E24		
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	3305	H 6	6478	M27		
	3306	J 6	6479	L26		
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	3311	I 2	6481	M22		
	3312	I 3	7305	H 6		
	3313	H 3	7311	K 8		
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	3315	J 3	7313	J 4		
	3316	I 2	7314	J 5		
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	3325	K10	7338	F 2		
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	3377	G 9	9254	L12		
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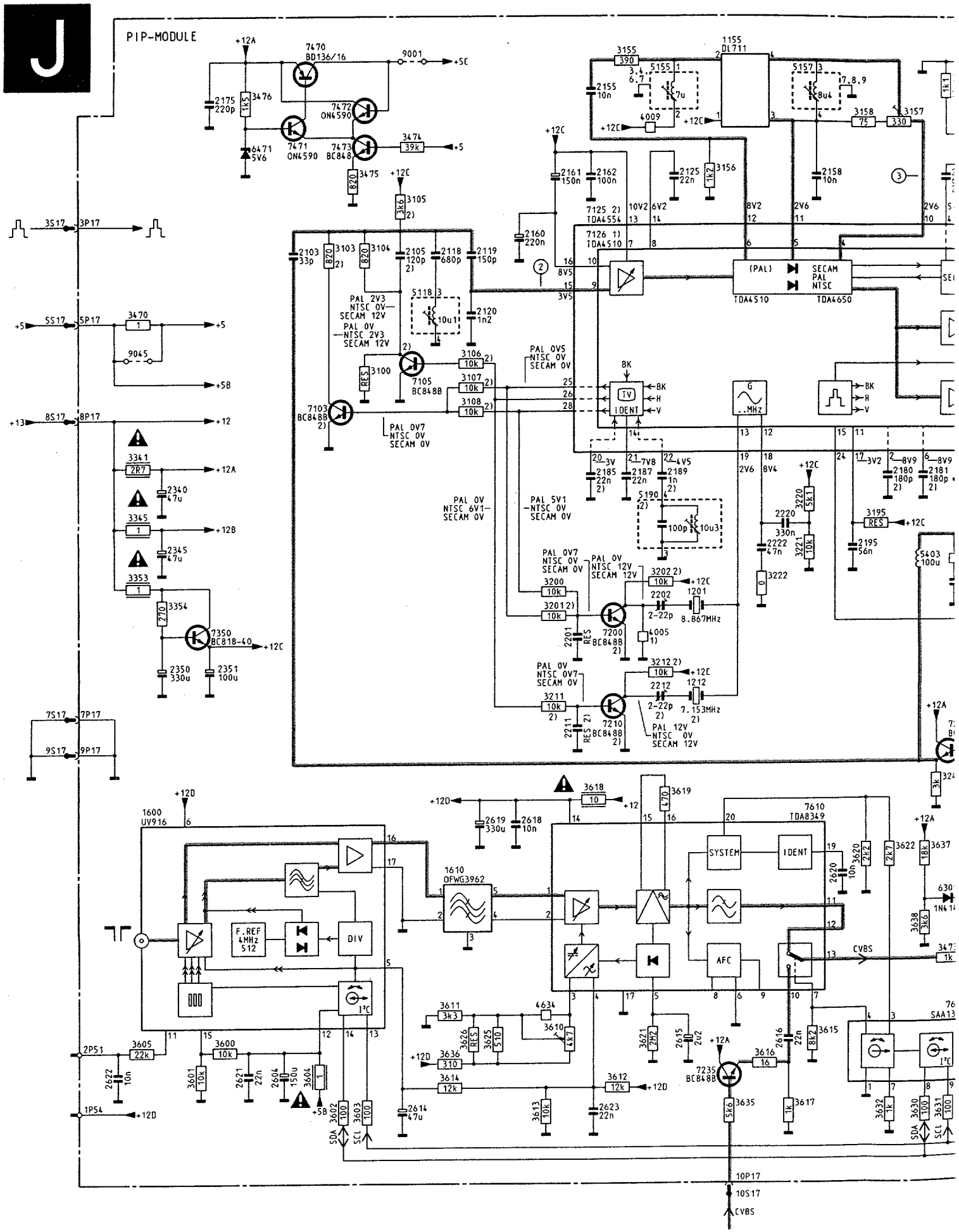

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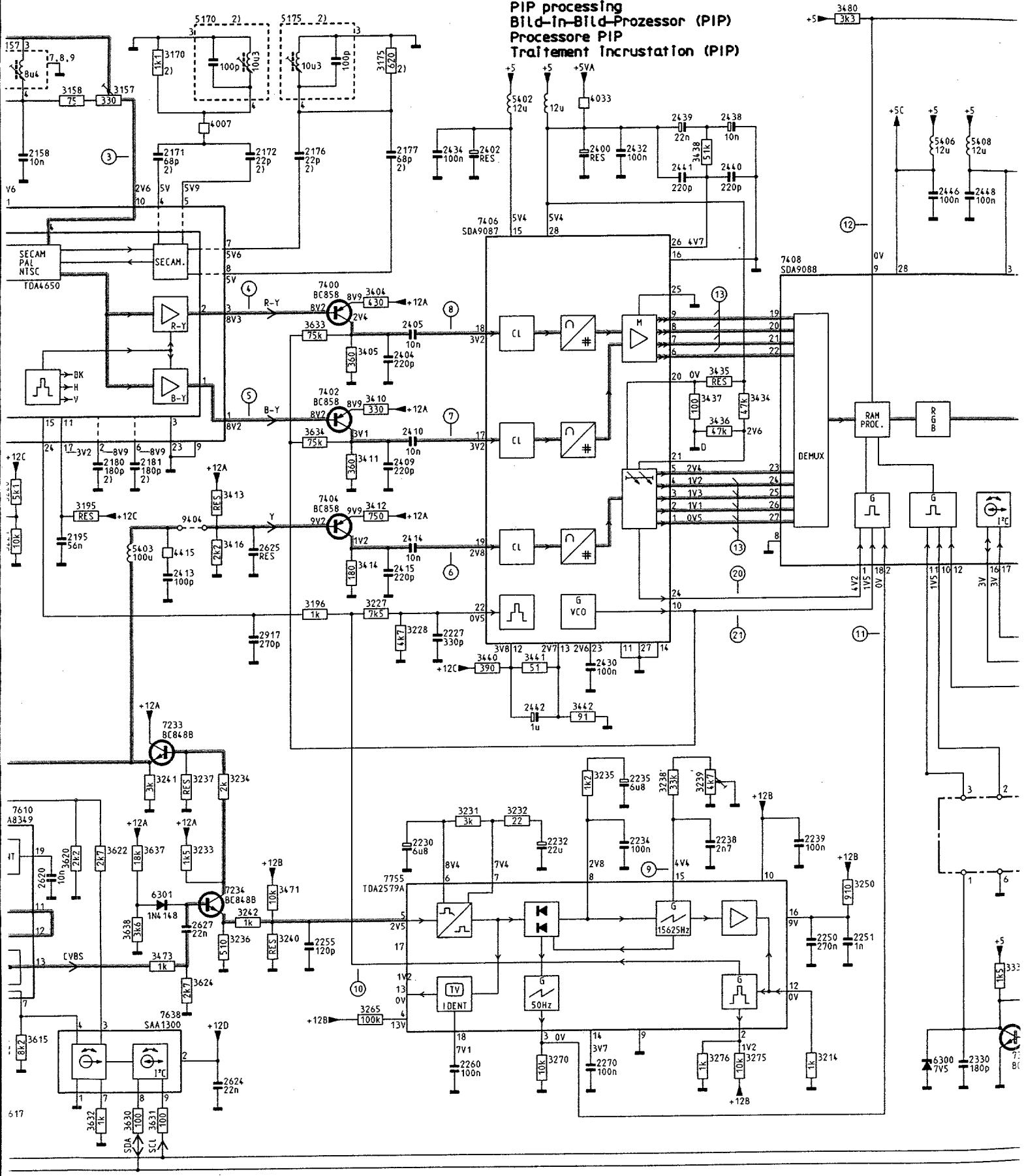

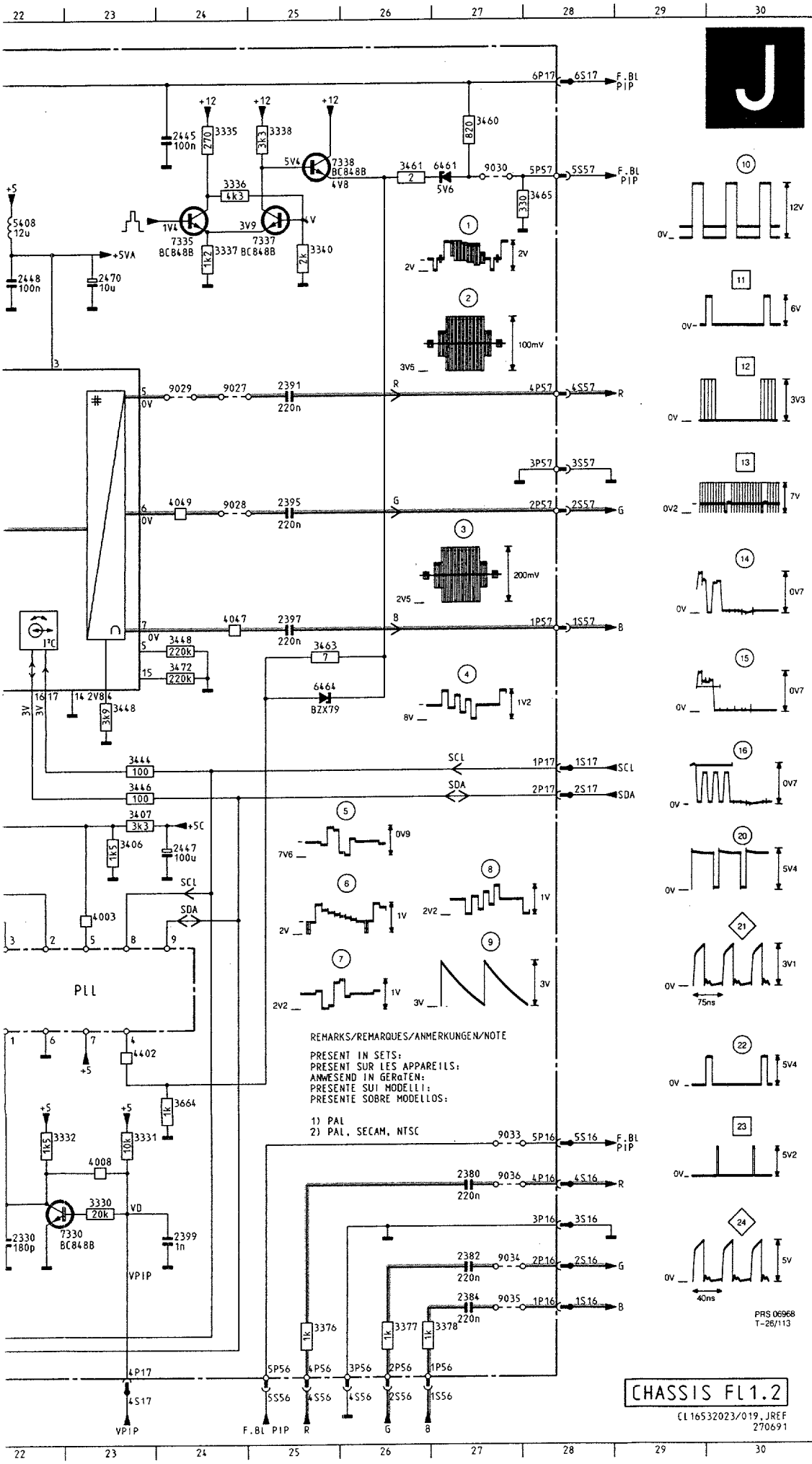

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	2103	D 4	3233	K13	5408	C22
	2105	D 5	3234	J13	6300	M21
	2118	D 6	3235	J17	6301	K12
	2119	D 6	3236	L13	6461	B27
	2120	D 6	3237	J13	6464	H25
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	2162	C 8	3250	K21	7200	H 8
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	2176	C14	3276	M19	7235	N 9
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	2185	F 8	3335	A24	7338	B25
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D	2201	H 7	3340	C25	7404	G14
	2202	H 9	3341	F 2	7406	C16
	2211	I 7	3345	G 2	7408	D20
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	2220	G10	3354	H 2	7471	B 4
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	2227	H16	3377	N26	7473	B 5
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	2270	M17	3416	G13	9035	N27
	2330	M22	3434	E19	9036	M27
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	2402	C16	3461	B26		
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	2440	C19	3602	N 5		
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	2445	B24	3605	M 2		
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	2447	I24	3611	M 6		
	2448	C22	3612	N 8		
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	3108	E 6	3638	L12		
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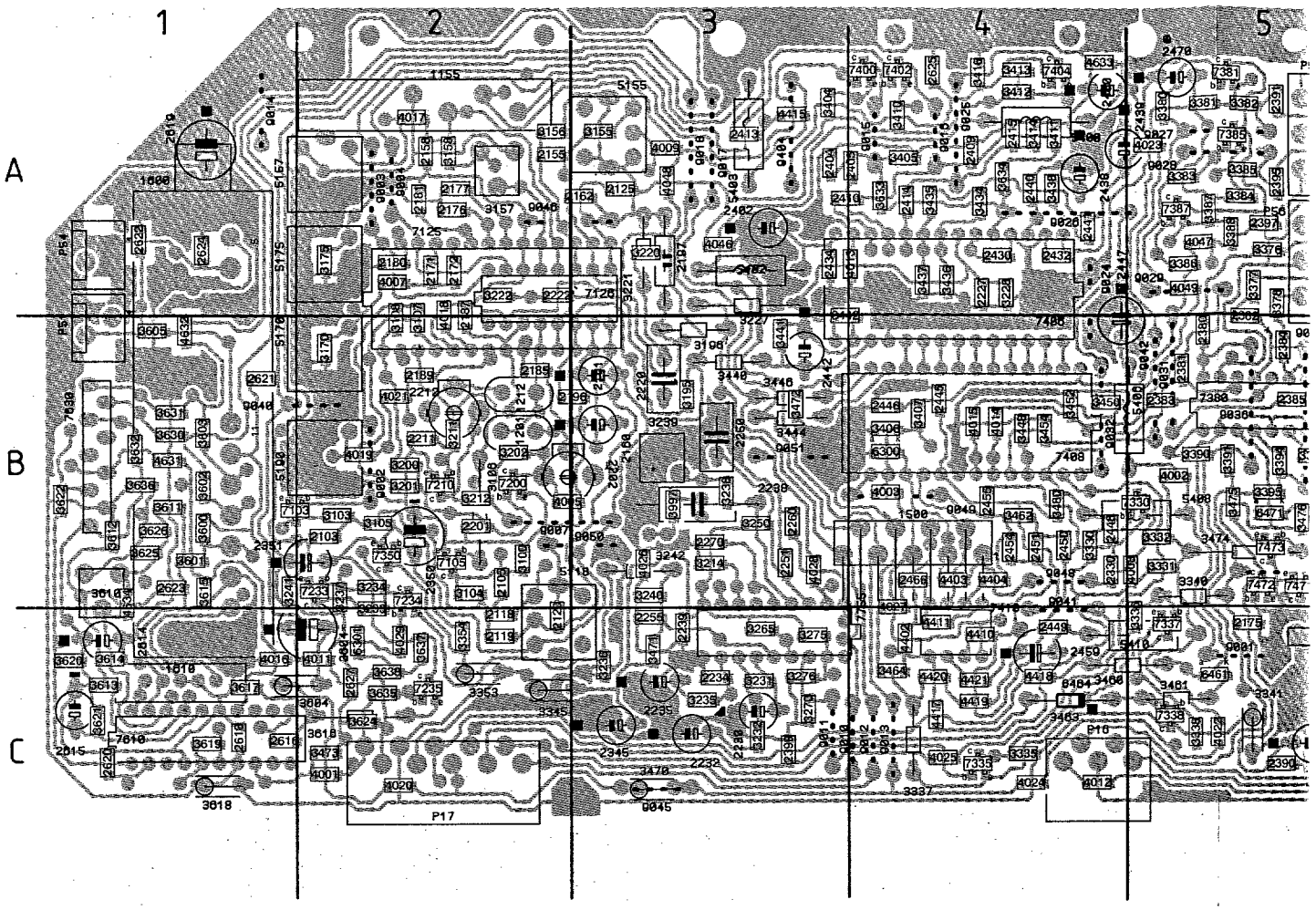
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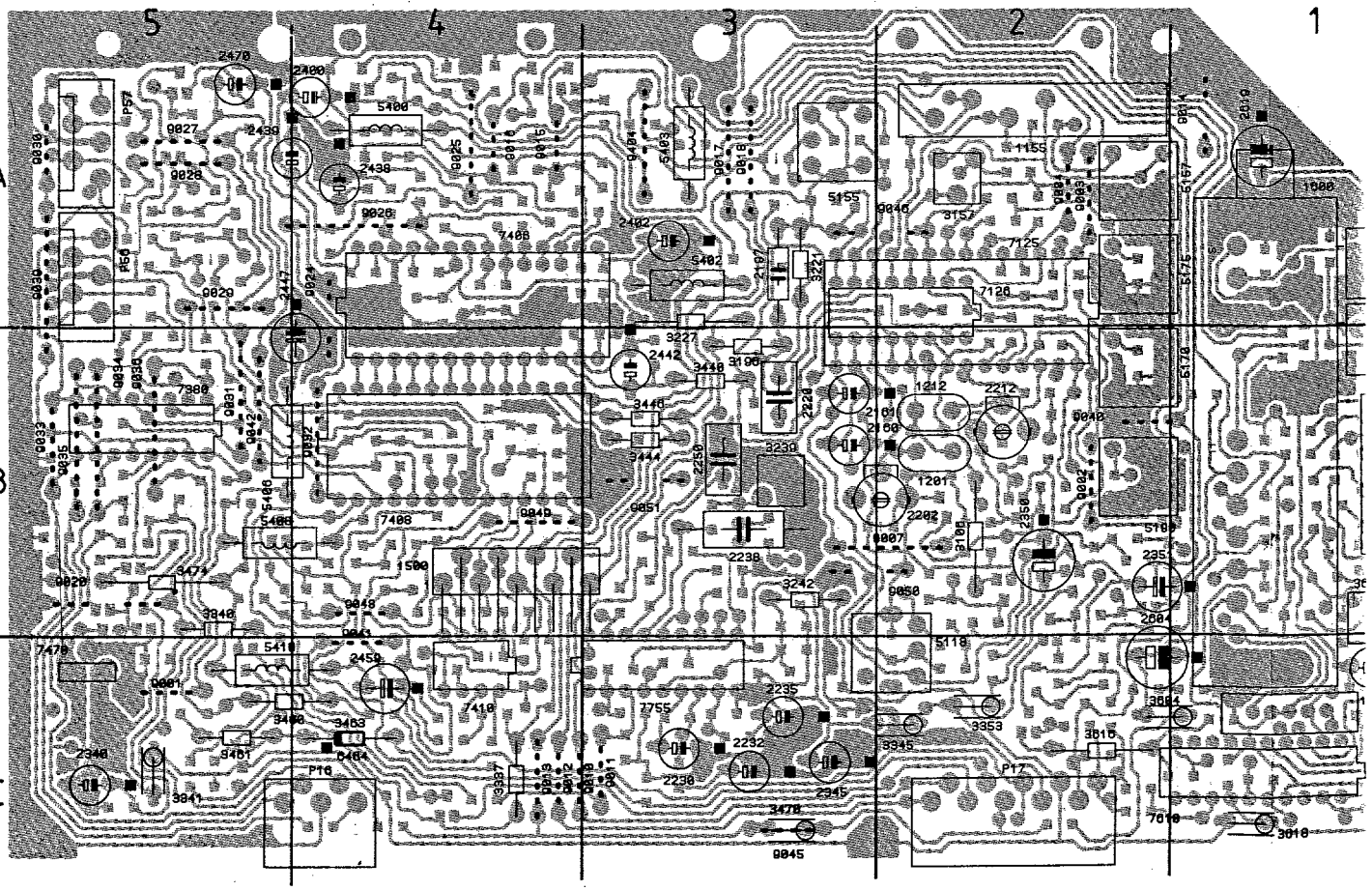
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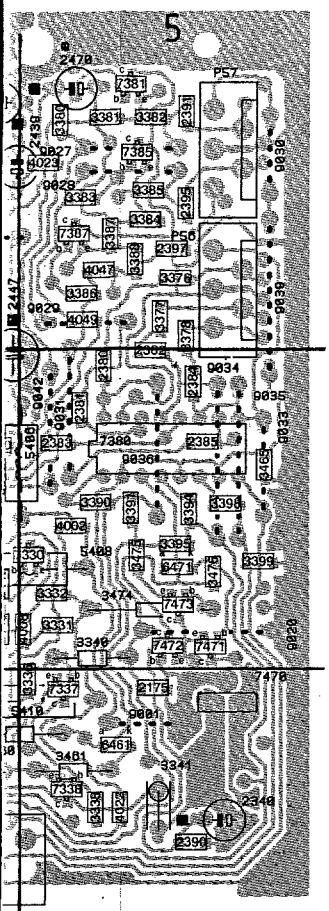

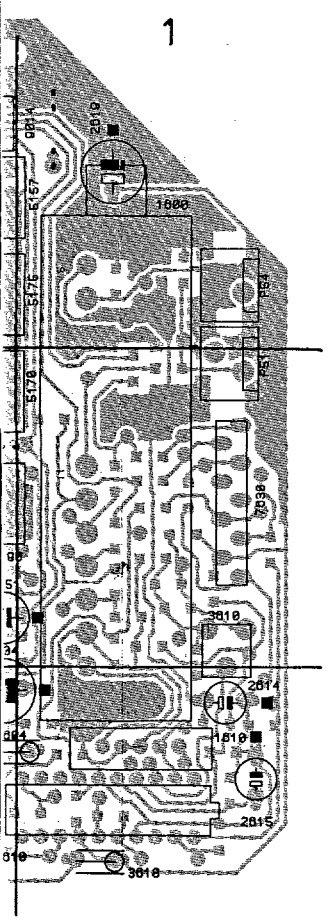

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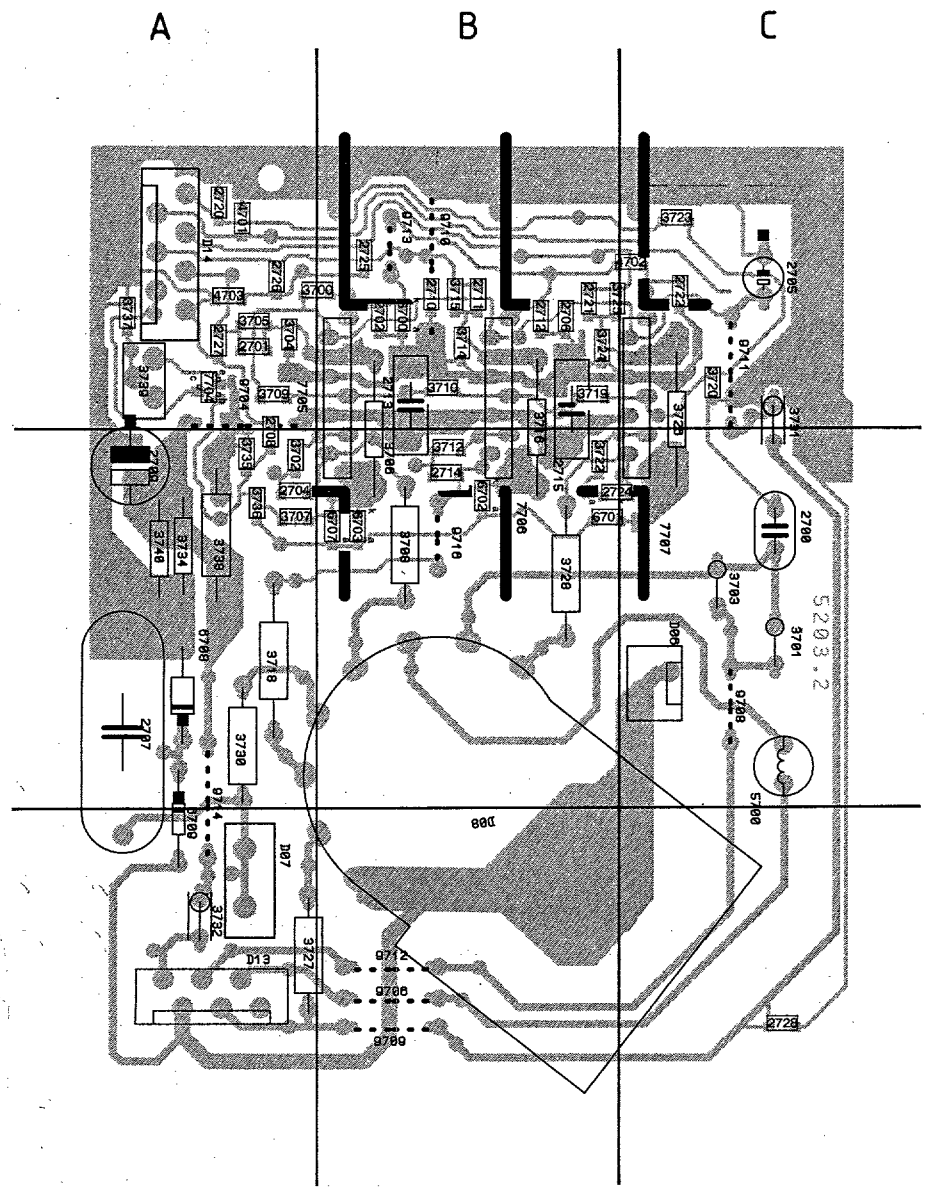
Picture tube panel Bildröhren Platte



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3727 A3
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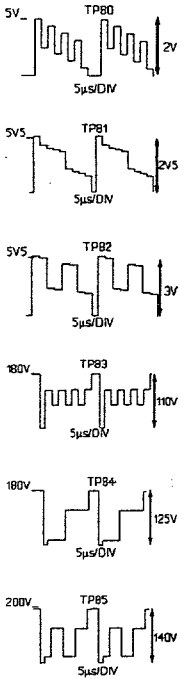
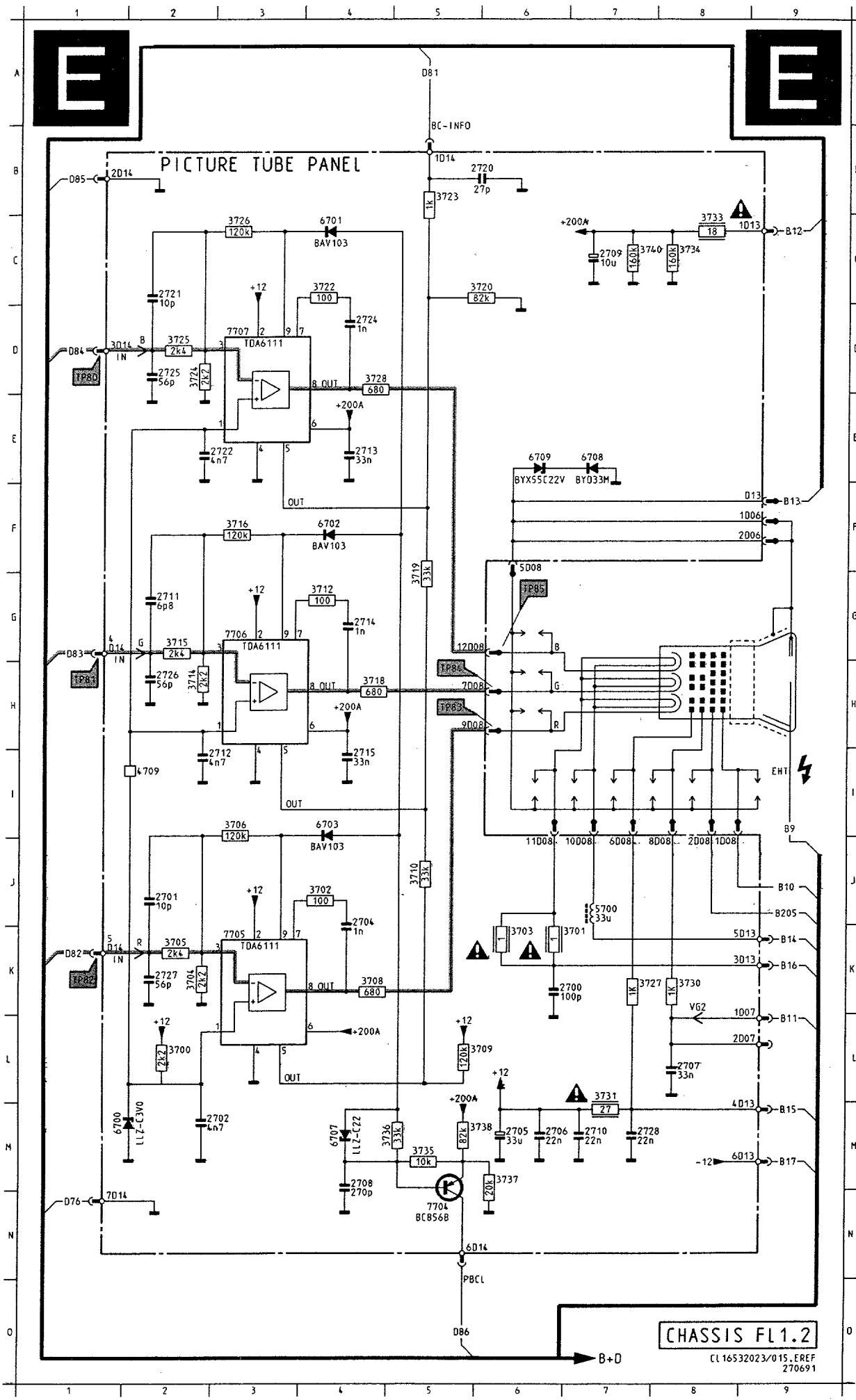
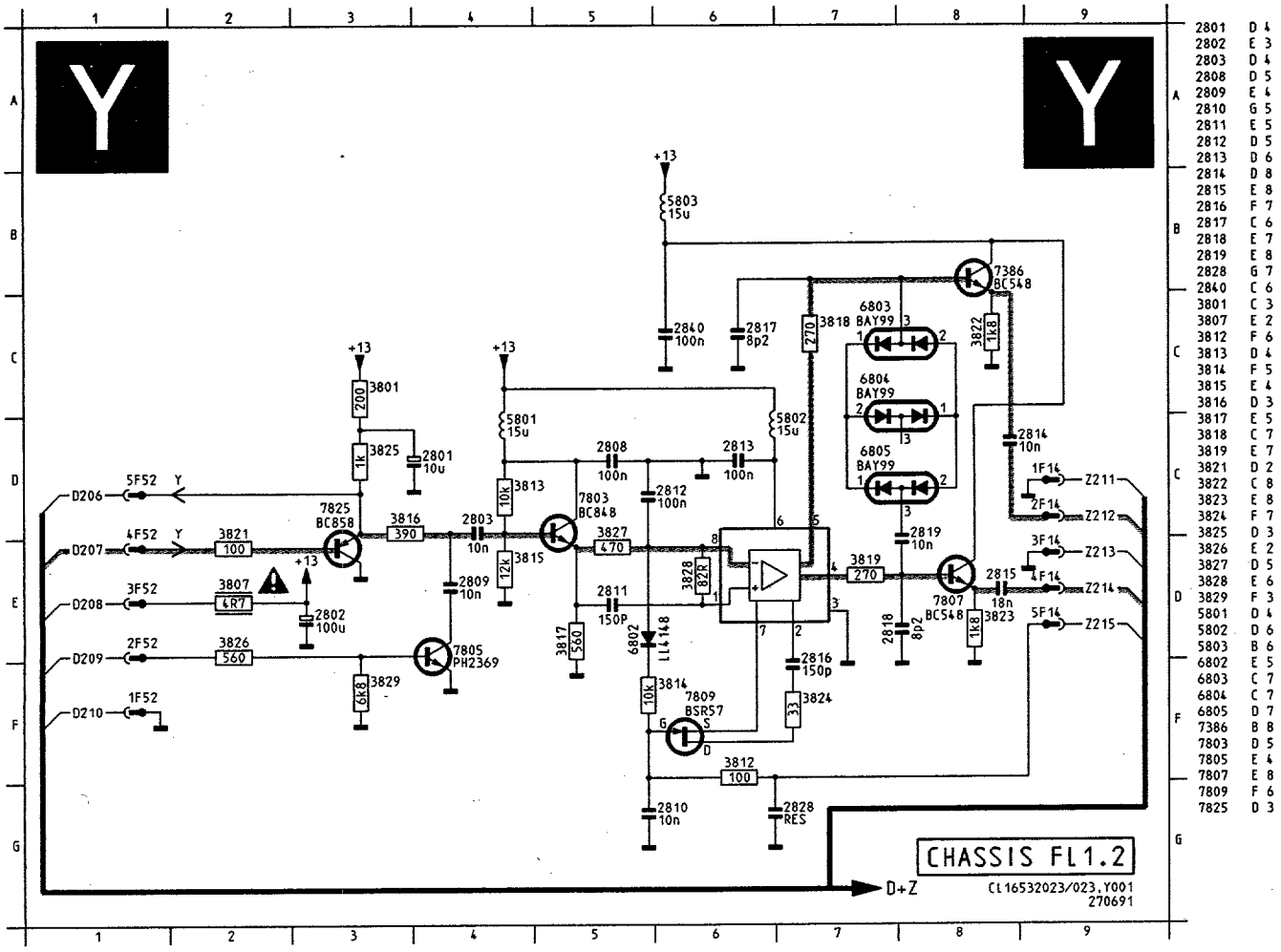


Platine TRC

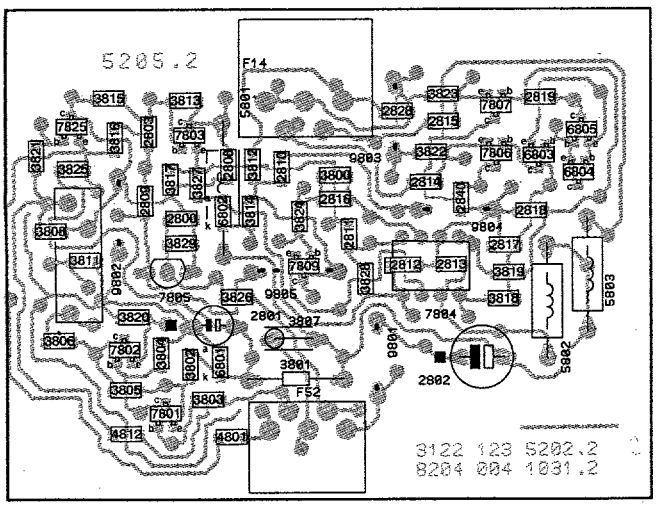


2700	K	6
2701	J	2
2702	M	2
2704	K	4
2705	M	6
2706	M	6
2707	L	8
2708	M	4
2709	C	7
2710	M	7
2711	G	2
2712	I	2
2713	E	4
2714	G	4
2715	I	4
2720	B	5
2721	C	2
2722	E	2
2724	D	4
2725	D	2
2726	H	2
2727	K	2
2728	M	7
3700	L	2
3701	K	6
3702	J	4
3703	K	6
3704	K	2
3705	K	2
3706	I	3
3708	K	4
3709	L	5
3710	J	5
3712	G	4
3714	H	2
3715	G	2
3716	F	3
3718	H	4
3719	G	5
3720	C	5
3722	C	4
3723	B	5
3724	D	2
3726	C	3
3727	K	7
3728	D	4
3730	K	8
3731	L	7
3733	C	8
3734	C	8
3735	M	5
3736	M	5
3737	M	6
3738	M	5
3740	C	7
4709	I	2
5700	J	7
6700	M	1
6701	C	4
6702	F	4
6703	I	4
6707	M	4
6708	E	7
6709	E	6
7704	N	5
7705	K	3
7706	G	3
7707	D	3

SCAVEM



SCAVEM filter panel



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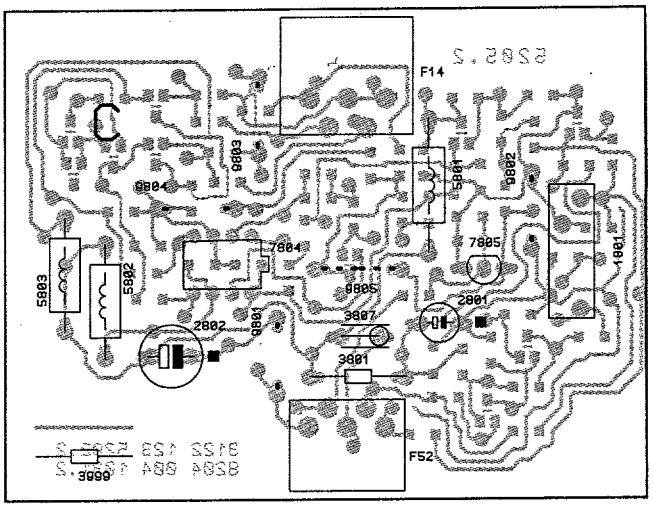
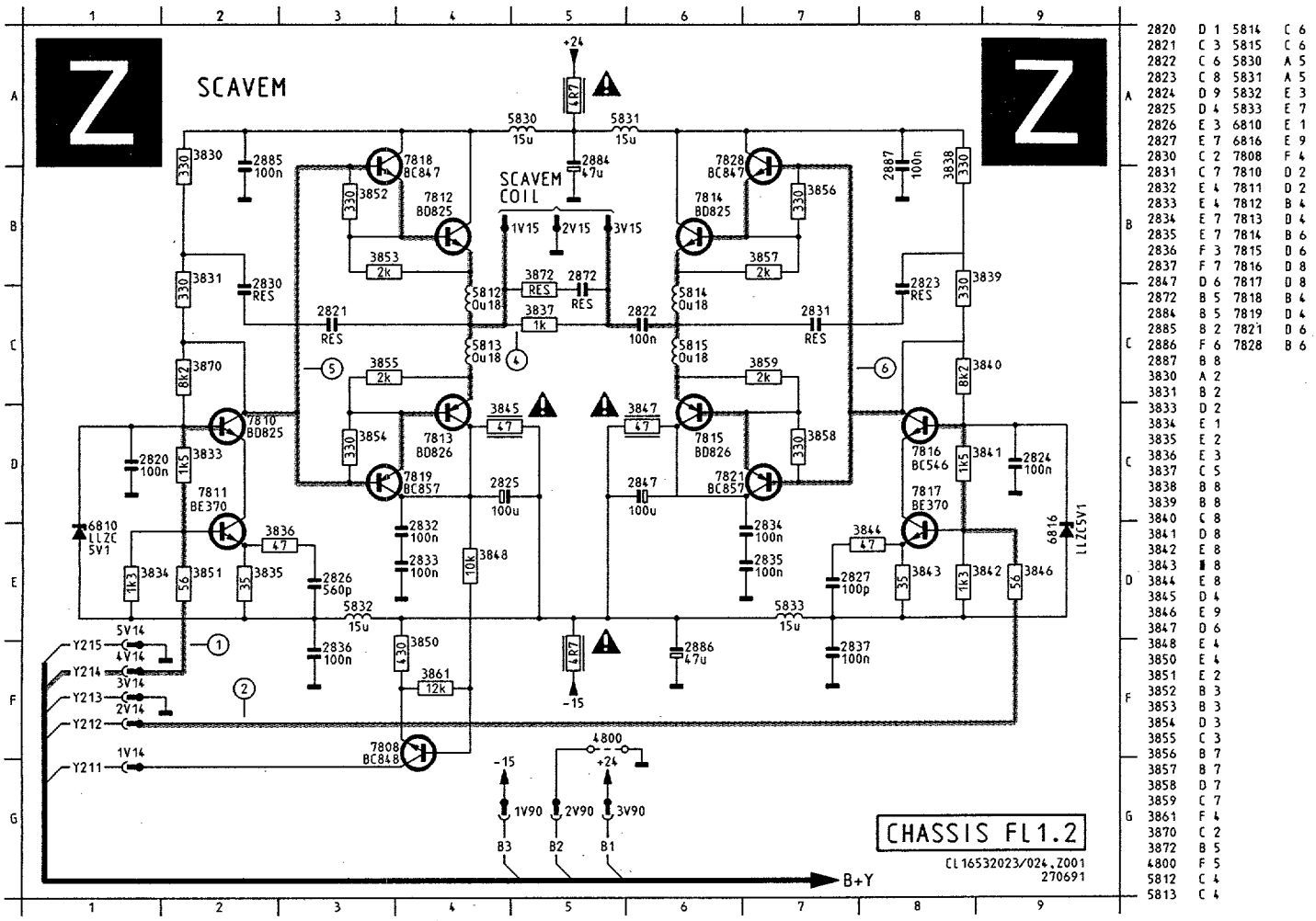
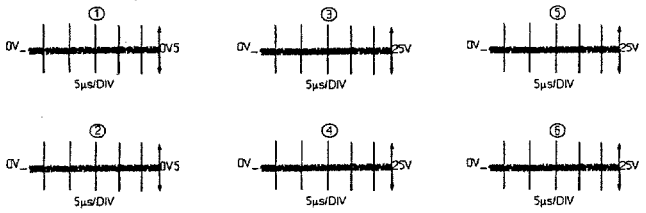


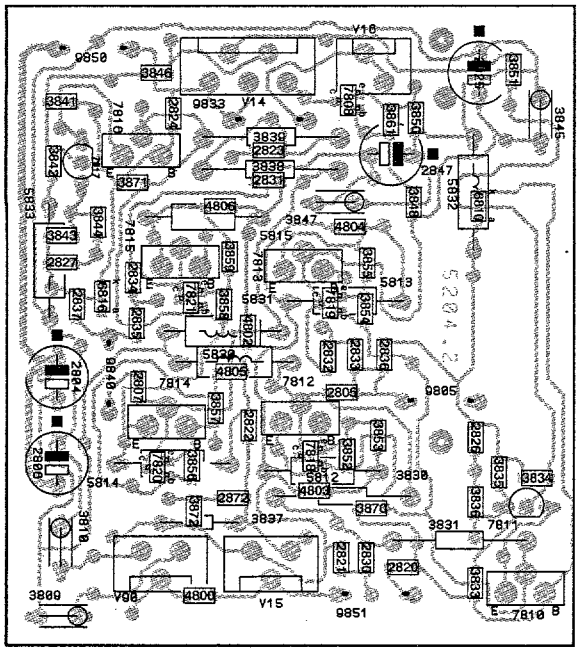
CS40534

SCAVEM

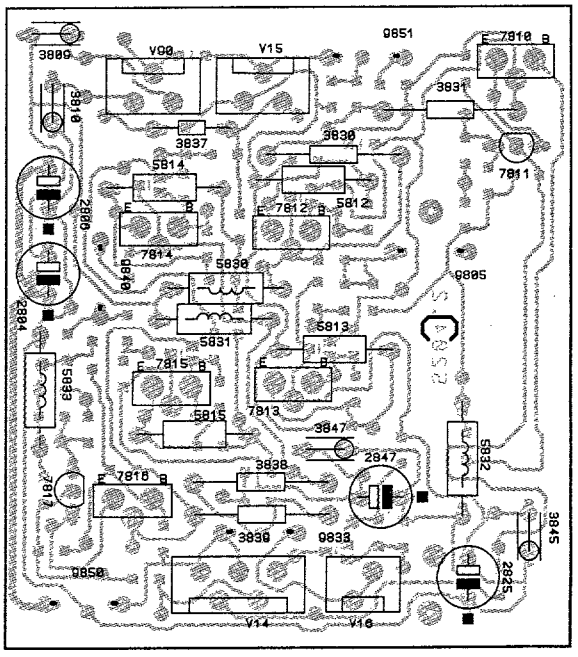


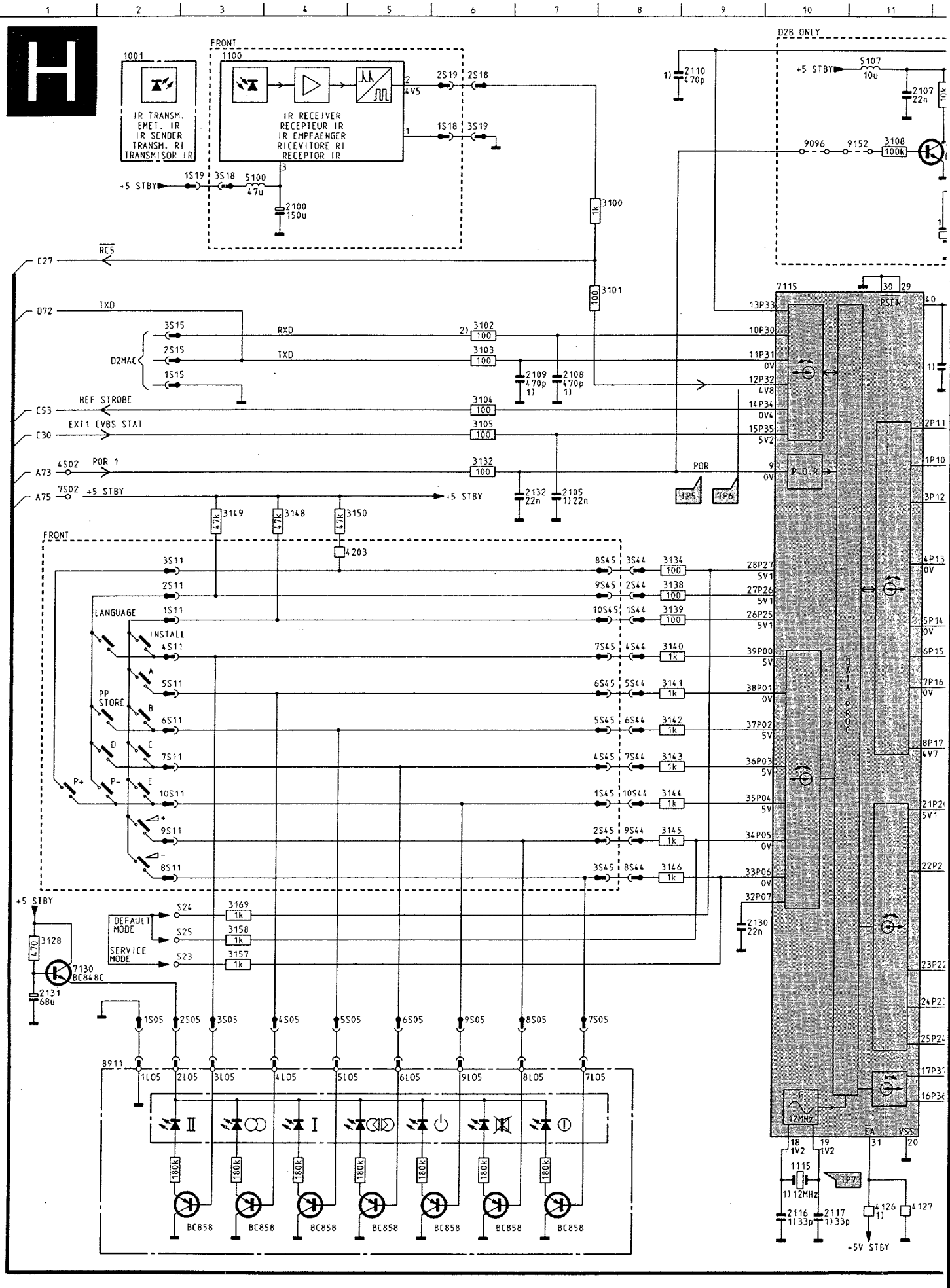


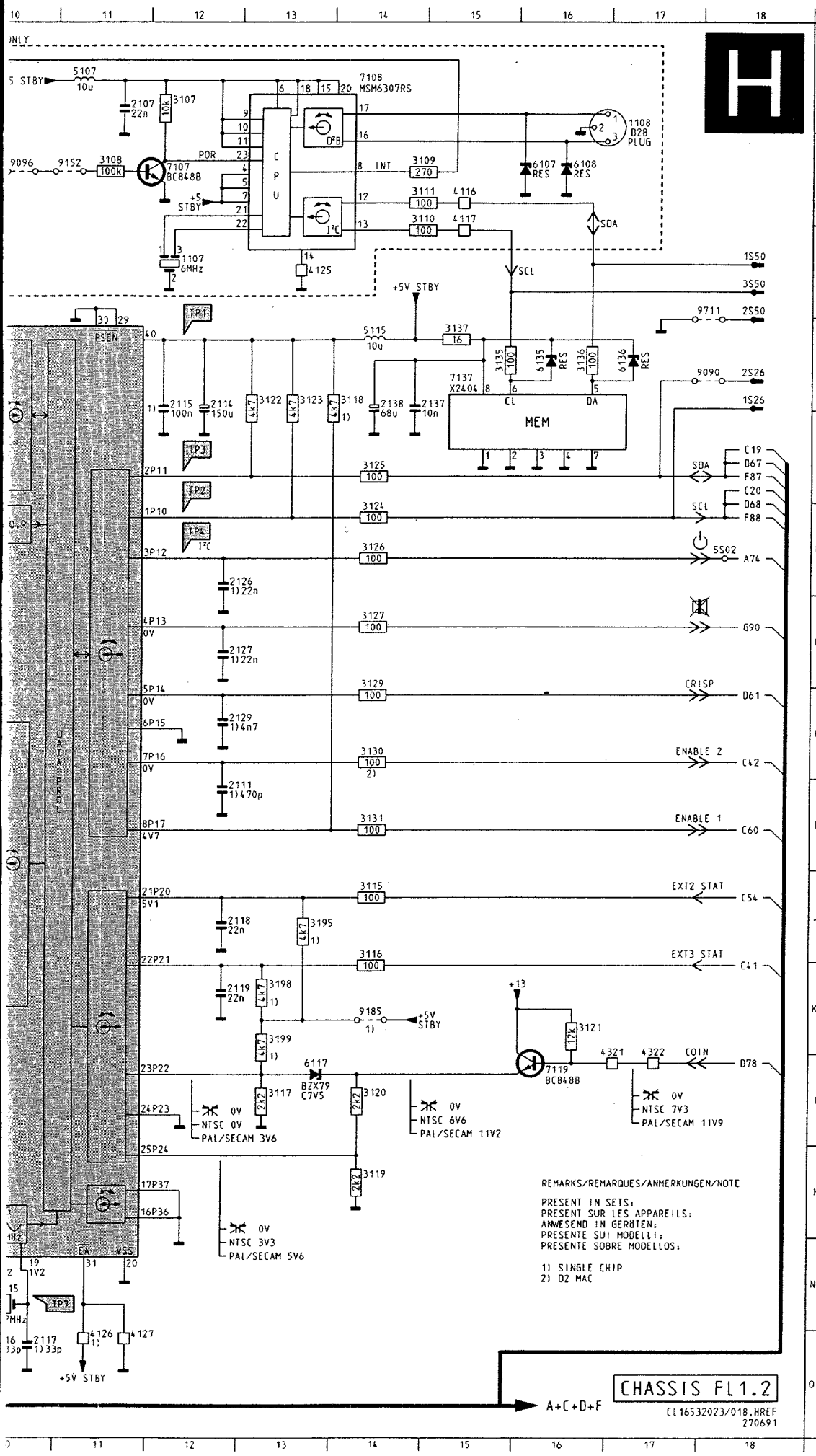
SCAVEM amplifier



SCAVEM amplifier



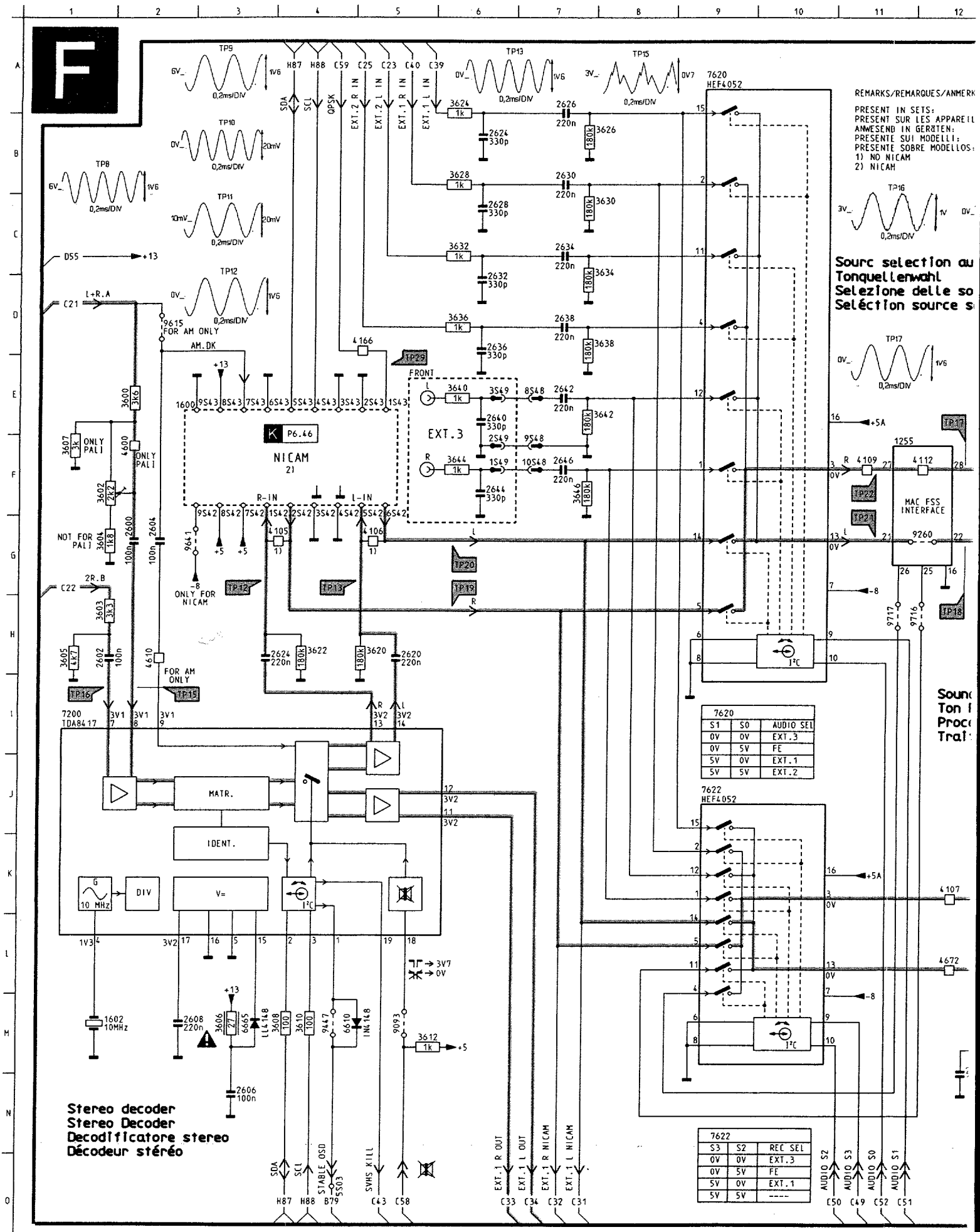

H
FRONT
1001
IR TRANSM.
EMET. IR
IR SENDER
TRANSM. RI
TRANSMISOR IR
1100
IR RECEIVER
RECEPTEUR IR
IR EMPFAENGER
RICEVITORE RI
RECEPTOR IR
D2B ONLY
+5 STBY
5107 10u
2107 22n
9096
9152
3108 100k
2110 470p
3100 1k
3101 100
RC5
C27
TXD
D72
D2MAC
RXD
TXD
3102 100
3103 100
2109 470p
2108 470p
HEF STROBE
C53
3104 100
EXT1 CVBS STAT
C30
3105 100
4S02 POR 1
A73
3132 100
7S02 +5 STBY
A75
2132 22n
2105 22n
POR
TP5
TP6
7115
PSEN
P.O.R
DATA PROC
13P33
10P30
11P31
12P32
14P34
15P35
9
4V8
0V4
5V2
0V
3149 47k
3148 47k
3150 47k
4203
LANGUAGE
INSTALL
PP STORE
P+
P-
A
B
C
D
E
3S11
2S11
1S11
4S11
5S11
6S11
7S11
10S11
9S11
8S11
8S45 3S44 3134 100
9S45 2S44 3138 100
10S45 1S44 3139 100
7S45 4S44 3140 1k
6S45 5S44 3141 1k
5S45 6S44 3142 1k
4S45 7S44 3143 1k
1S45 10S44 3144 1k
2S45 9S44 3145 1k
3S45 8S44 3146 1k
28P27
27P26
26P25
39P00
38P01
37P02
36P03
35P04
34P05
33P06
32P07
2130 22n
+5 STBY
DEFAULT MODE
SERVICE MODE
S24
S25
S23
3169 1k
3158 1k
3157 1k
3128 470
7130 BC848C
2131 68u
1S05 2S05 3S05 4S05 5S05 6S05 9S05 8S05 7S05
8911
1L05 2L05 3L05 4L05 5L05 6L05 9L05 8L05 7L05
180k
BC858
G 12MHz
EA
VSS
1115 12MHz
2116 33p
2117 33p
4126
4127
+5V STBY



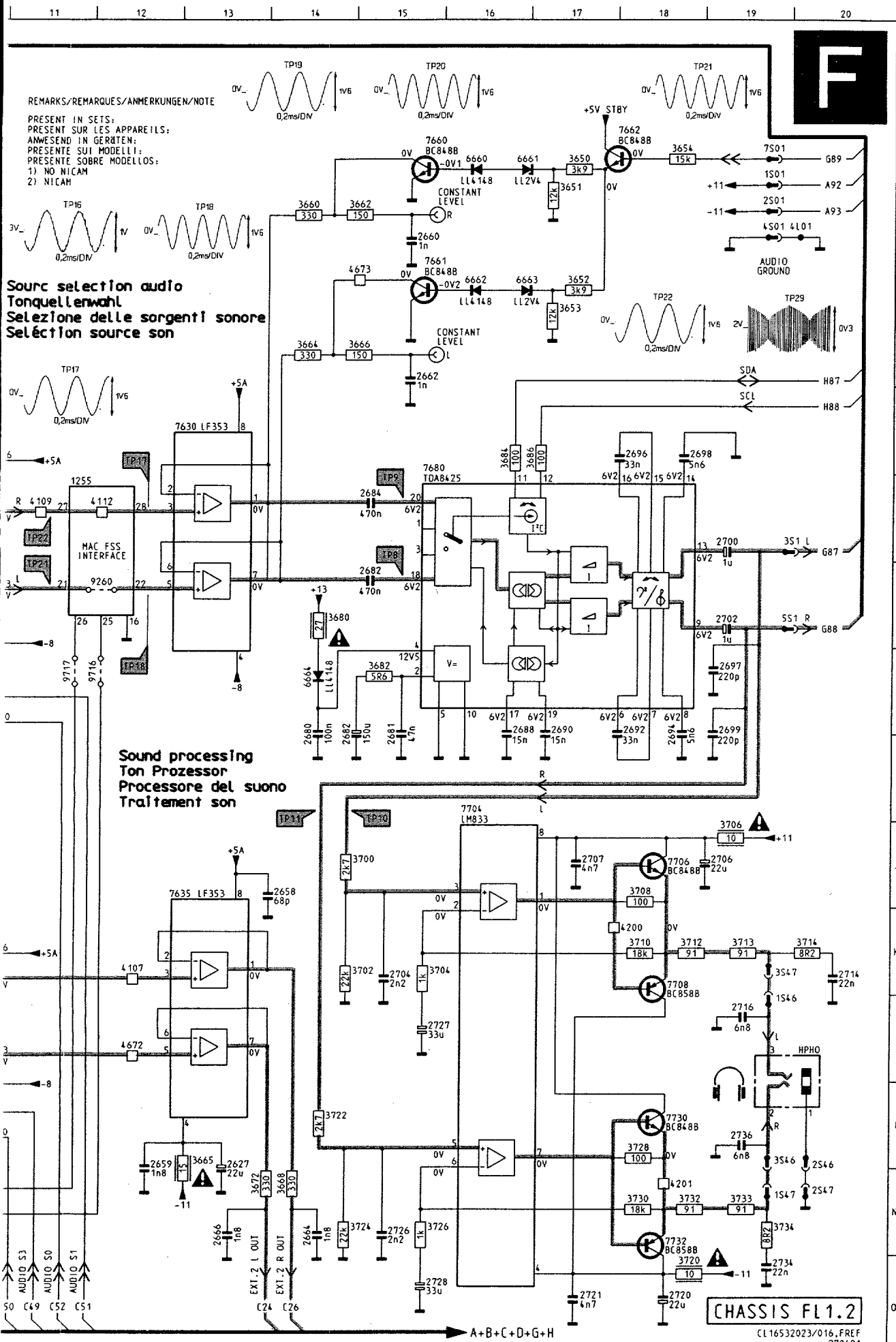
1001 A 2
1100 A 3
1107 C12
1108 A17
1115 N10
2100 C 4
2105 F 7
2107 A11
2108 E 7
2109 E 7
2110 A 9
2111 I12
2114 D12
2115 D12
2116 O10
2117 O10
2118 J12
2119 K12
2126 F12
2127 G12
2129 H12
2130 K 9
2131 L 1
2132 F 7
2137 D14
2138 D14
3100 B 8
3101 D 8
3102 D 6
3103 D 6
3104 E 6
3105 E 6
3107 A12
3108 B11
3109 B14
3110 B14
3111 B14
3115 J14
3116 J14
3117 L13
3118 D14
3119 M14
3120 L14
3121 K16
3122 D13
3123 D13
3124 F14
3125 E14
3126 F14
3127 G14
3128 K 1
3129 H14
3130 H14
3131 I14
3132 F 6
3134 G 8
3135 D15
3136 D16
3137 D15
3138 G 8
3139 G 8
3140 H 8
3141 H 8
3142 I 8
3143 I 8
3144 J 8
3145 J 8
3146 K 8
3148 F 4
3149 F 3
3150 F 5
3157 L 3
3158 K 3
3169 K 3
3195 J13
3198 K13
3199 K13
4116 B15
4117 B15
4125 C13
4126 O11
4127 O11
4203 G 5
4321 L17
4322 L17
5100 B 3
5107 A11
5115 D14
6107 B16
6108 B16
6117 L13
6135 D16
6136 D17
7107 B12
7108 A14
7119 L16
7130 L 1
7137 D15
8911 M 2
9090 D18
9096 B10
9152 B11
9185 K14
9711 C18

TP2 5V 0V 5ms/DIV
TP3 5V 0V 5ms/DIV
TP5 5V 0V 10ms/DIV
TP6 5V 0V 5V 0V 20ms/DIV
TP7 0V 2V4 0,5µs/DIV

Control Panel
4822 212 23791

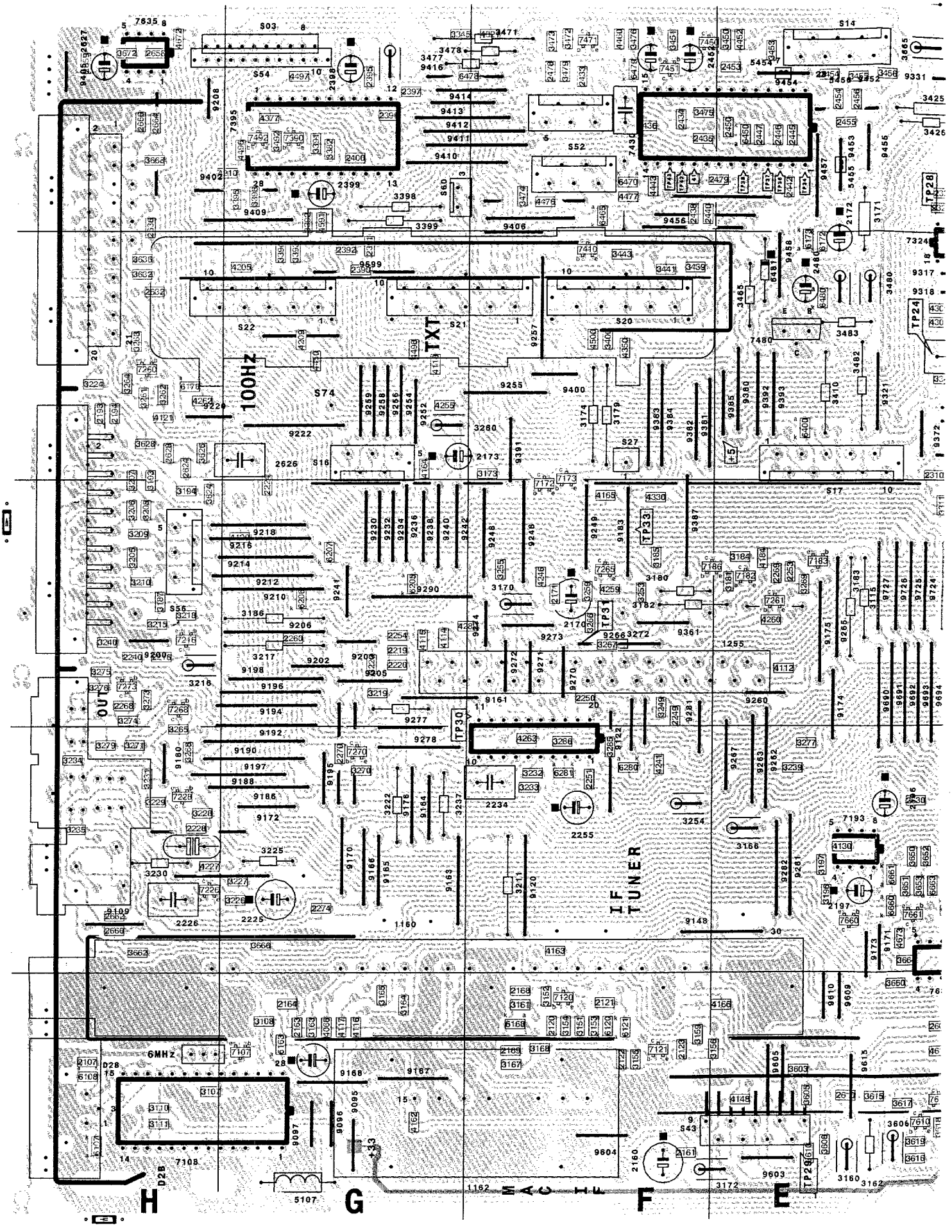

F
TP9
TP10
TP11
TP12
TP13
TP15
TP16
TP17
TP8
7620 HEF4052
REMARKS/REMARQUES/ANMERK
PRESENT IN SETS:
PRESENT SUR LES APPAREIL
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
Sourc selection au
Tonquellenwahl
Selezione delle so
Sélection source s
NICAM
EXT.3
FRONT
MAC FSS INTERFACE
7200 TDA8417
MATR.
IDENT.
DIV
Stereo decoder
Stereo Decoder
Decodificatore stereo
Décodeur stéréo
7620
S1 S0 AUDIO SEL
0V 0V EXT.3
0V 5V FE
5V 0V EXT.1
5V 5V EXT.2
7622 HEF4052
7622
S3 S2 REC SEL
0V 0V EXT.3
0V 5V FE
5V 0V EXT.1
5V 5V ----
SDA
SCL
QPSK
EXT.2 R IN
EXT.2 L IN
EXT.1 R IN
EXT.1 L IN
STABLE OSD
SVHS KILL
EXT.1 R OUT
EXT.1 L OUT
EXT.1 R NICAM
EXT.1 L NICAM
AUDIO S2
AUDIO S3
AUDIO S0
AUDIO S1

Traitement audio

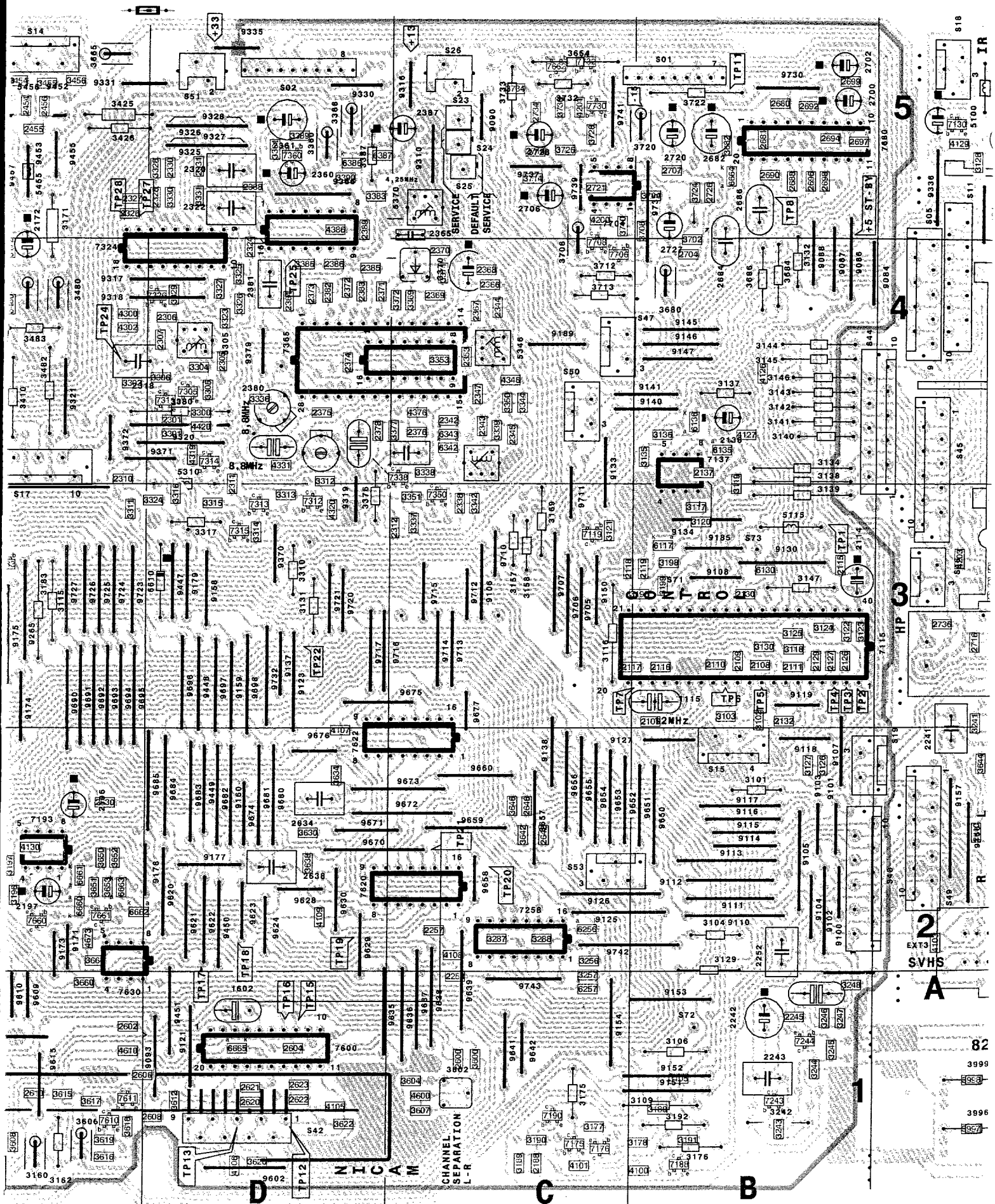


	1255	F11	4107	K12
	1600	E 2	4109	F11
	1602	M 1	4112	F12
	2600	G 2	4166	D 5
A	2602	H 1	4200	K18
	2604	G 2	4201	N18
	2606	N 3	4600	F 2
	2608	M 2	4610	H 2
	2620	H 5	4672	L12
	2624	B 6	4673	C15
	2624	H 3	6610	M 5
	2626	A 7	6660	B16
B	2627	M13	6661	B16
	2628	C 6	6662	C16
	2630	B 7	6663	C16
	2632	D 6	6664	H14
	2634	C 7	6665	M 3
	2636	D 6	7200	I 1
	2638	D 7	7620	A 9
	2640	E 6	7622	J 9
C	2642	E 7	7630	E12
	2644	F 6	7635	J12
	2646	F 7	7660	B15
	2658	J14	7661	C15
	2659	M12	7662	B17
	2660	C15	7680	E15
	2662	D15	7704	I16
D	2664	N14	7706	J18
	2666	N13	7708	K18
	2680	H14	7730	M18
	2681	H15	7732	N18
	2682	G15	9093	M 5
	2682	H14	9260	G12
	2684	F15	9447	M 4
	2688	H16	9615	D 2
E	2690	H17	9641	G 2
	2692	H18	9716	H12
	2694	H18	9717	H11
	2696	E18		
	2697	H19		
	2698	E18		
	2699	H19		
	2700	F19		
F	2702	G19		
	2704	K15		
	2706	J19		
	2707	J17		
	2714	K20		
	2716	L19		
	2720	O18		
G	2721	O17		
	2726	N15		
	2727	L15		
	2728	O15		
	2736	O19		
	2736	M19		
	3600	E 2		
H	3602	F 1		
	3603	H 1		
	3604	G 1		
	3605	H 1		
	3606	M 3		
	3607	F 1		
	3608	M 4		
	3610	M 4		
I	3612	M 5		
	3620	H 5		
	3622	H 4		
	3624	A 6		
	3626	B 7		
	3628	B 6		
	3630	C 7		
	3632	C 6		
J	3634	C 7		
	3636	D 6		
	3638	D 7		
	3640	E 6		
	3642	E 7		
	3644	F 6		
	3646	F 7		
K	3650	B17		
	3651	B17		
	3652	C17		
	3653	D17		
	3654	B18		
	3660	B14		
	3662	B15		
	3664	D14		
L	3665	M13		
	3666	D15		
	3668	N14		
	3672	N13		
	3680	G14		
	3682	H15		
	3684	E16		
M	3686	E17		
	3700	J14		
	3702	K14		
	3704	K15		
	3706	J19		
	3708	J18		
	3710	K18		
	3712	K18		
N	3713	K19		
	3714	K20		
	3720	O18		
	3722	M14		
	3724	N14		
	3726	N15		
	3728	M18		
	3730	N18		
O	3732	N18		
	3733	N19		
	3734	N19		
	4105	G 4		
	4106	G 5		

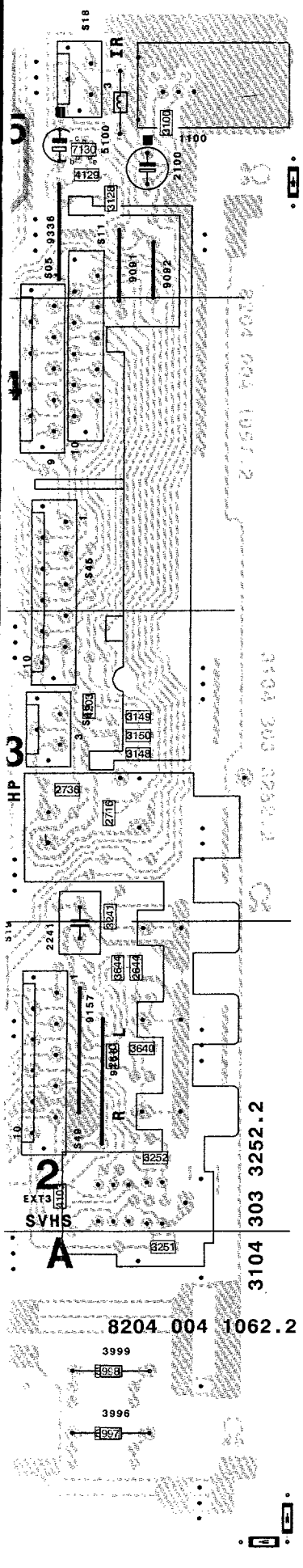
Small signal panel Klein-signal Platine



Platine petits signaux



Carte à petite signaux



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TP2 B3	2107 H1	2368 C4	2702 B5	3186 G3	3315 D3	3630 D2	4330 F3	7216 H3	9140 B4	9274 F3	9650 B2
TP3 B3	2108 B3	2369 C4	2704 B4	3187 H3	3316 D3	3632 H4	4331 D4	7219 F2	9141 B4	9277 G2	9651 B2
TP4 B3	2109 B3	2370 C4	2706 C5	3188 B1	3317 D3	3634 D2	4346 C4	7226 H2	9145 B4	9278 G2	9652 C2
TP5 B3	2110 B3	2371 D4	2707 B5	3189 C1	3323 D4	3636 H4	4350 F4	7228 H2	9146 B4	9280 G2	9653 C2
TP6 B3	2111 B3	2372 D4	2714 C5	3190 C1	3324 D3	3638 D2	4376 C4	7243 B1	9147 B4	9281 F2	9654 C2
TP7 B3	2114 B3	2373 D4	2716 A3	3191 B1	3325 D4	3640 A2	4377 G5	7244 B1	9148 E2	9282 E2	9655 C2
TP8 B5	2115 B3	2374 D4	2720 B5	3192 B1	3326 D4	3642 C2	4386 D5	7258 C2	9150 C3	9290 G3	9656 C2
TP9 B5	2116 B3	2375 D4	2721 C5	3193 H3	3327 D4	3644 A2	4420 D4	7260 H4	9151 B1	9310 C5	9657 C2
TP10 B5	2117 B3	2376 C4	2726 B5	3194 H3	3328 D5	3646 C2	4443 F5	7261 E3	9152 B1	9316 C5	9658 C2
TP11 B5	2118 C3	2377 C4	2727 B5	3195 B3	3329 D4	3650 E2	4450 G4	7265 F3	9153 B1	9317 D4	9659 C2
TP12 D1	2119 B3	2378 D4	2728 C5	3196 E2	3330 D5	3651 E2	4452 E5	7268 H3	9154 C1	9318 D4	9660 C2
TP13 D1	2120 F1	2379 D4	2734 C5	3197 E2	3331 D5	3652 E2	4460 F5	7270 G2	9155 B1	9319 D3	9670 D2
TP14 D1	2121 F1	2380 D4	2736 A3	3198 B3	3336 D4	3653 E2	4476 F5	7273 H3	9156 A2	9320 D4	9671 D2
TP15 D1	2122 F1	2381 D4	3100 A5	3199 B3	3337 C3	3654 C5	4477 F5	7305 D4	9157 A2	9321 E4	9672 C2
TP16 D1	2123 F1	2382 D4	3101 B2	3205 H3	3338 C4	3660 E1	4496 G5	7311 D4	9158 D3	9325 D5	9673 C2
TP17 D2	2126 B3	2383 D4	3102 B3	3206 H3	3339 C4	3662 H2	4497 G5	7312 D3	9159 D3	9326 D5	9674 D2
TP18 D2	2127 B3	2384 D4	3103 B3	3207 H3	3342 C3	3664 E2	4498 G4	7313 D3	9160 D2	9327 D5	9675 D3
TP19 D2	2129 B3	2385 D4	3104 B2	3208 H3	3344 C4	3665 E5	4500 F4	7314 D4	9161 G3	9328 D5	9676 D2
TP20 C2	2130 B3	2386 D4	3105 B1	3209 H3	3345 G5	3666 G2	4591 G5	7315 D3	9163 G2	9330 D5	9677 C3
TP21 C2	2131 A5	2387 C5	3106 B1	3210 H3	3350 C4	3668 H5	4600 C1	7324 E5	9164 G2	9331 E5	9680 D2
TP22 D3	2132 B3	2388 D5	3107 H1	3211 F2	3351 C3	3672 H5	4610 E1	7326 D4	9165 G2	9335 D5	9681 D2
TP23 C4	2137 B4	2389 D5	3108 G1	3215 H3	3353 C4	3680 B4	4672 H5	7338 C4	9166 G2	9336 A5	9682 D2
TP24 E4	2138 B4	2390 G4	3109 B1	3216 H3	3360 D5	3682 B5	4673 E2	7350 C3	9167 G1	9361 F3	9683 D2
TP25 D4	2160 F1	2391 G4	3110 H1	3217 G3	3361 D5	3684 B4	5100 A5	7360 D5	9168 G1	9366 D5	9684 D2
TP26 D4	2161 F1	2392 G4	3111 H1	3218 H3	3369 C4	3686 B4	5107 G1	7364 D4	9170 G2	9370 D3	9685 D2
TP27 E5	2163 G1	2395 G5	3115 E3	3219 G3	3370 C4	3700 B5	5115 B3	7365 D4	9171 E2	9371 D4	9690 E3
TP28 E5	2164 G1	2396 G5	3116 C3	3220 G3	3371 C4	3702 B4	5270 E3	7366 D5	9172 G2	9372 E4	9691 E3
TP29 E1	2166 G1	2397 G5	3117 B3	3222 G2	3372 C4	3704 B5	5303 F5	7390 G5	9173 E2	9376 D4	9692 E3
TP30 F3	2168 F1	2398 G5	3118 B3	3224 H4	3376 D3	3706 C4	5304 F5	7395 G5	9174 E3	9379 D4	9693 E3
TP31 F3	2169 F1	2399 G5	3119 B3	3225 G2	3377 C4	3708 B5	5305 D4	7410 F4	9175 E3	9380 E4	9694 E3
TP32 F3	2170 F3	2400 G5	3120 B3	3226 G2	3380 D4	3710 C5	5310 D3	7430 E5	9176 G2	9381 F4	9695 E3
TP33 F3	2171 F3	2433 F5	3121 C3	3227 G2	3382 G5	3712 C4	5345 C4	7450 F5	9177 D2	9382 F4	9696 D3
TP34 E5	2172 E4	2434 F5	3122 B3	3228 H2	3383 D5	3713 C4	5346 C4	7451 F5	9178 D2	9383 F4	9697 D3
TP35 E5	2173 G4	2435 F5	3123 B3	3229 H2	3385 D4	3714 C5	5370 C5	7471 F5	9179 D3	9384 F4	9698 D3
TP36 E5	2188 C1	2436 F5	3124 B3	3230 H2	3387 D5	3720 B5	5454 E5	7480 E4	9180 H2	9385 E4	9705 C3
TP37 E5	2193 H4	2438 F5	3125 B3	3231 H2	3388 D5	3722 B5	5455 E5	7492 G5	9182 G2	9387 F3	9706 C3
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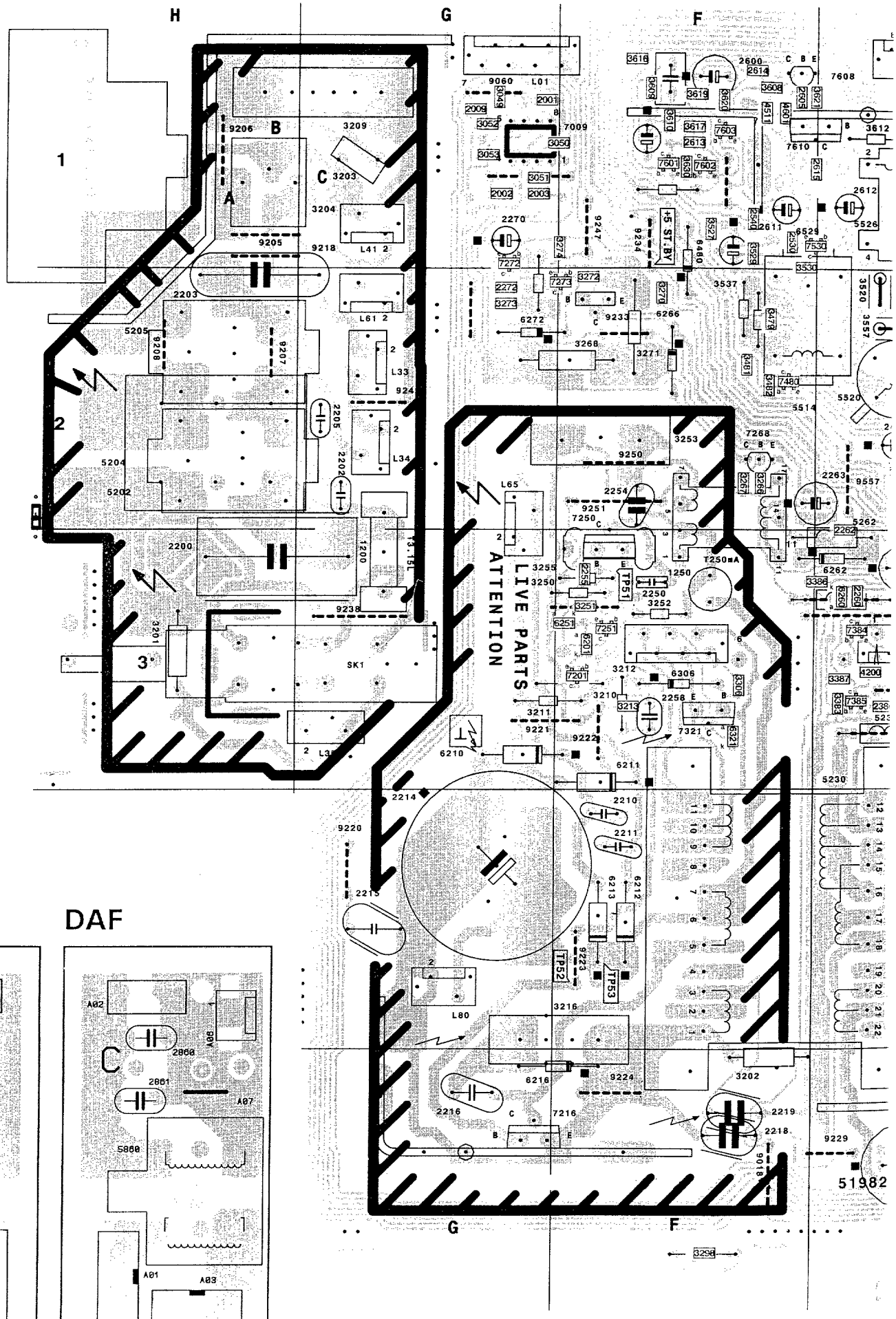
Large signal panel Groß-s



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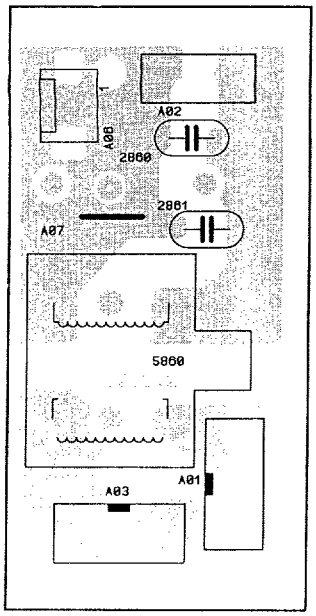

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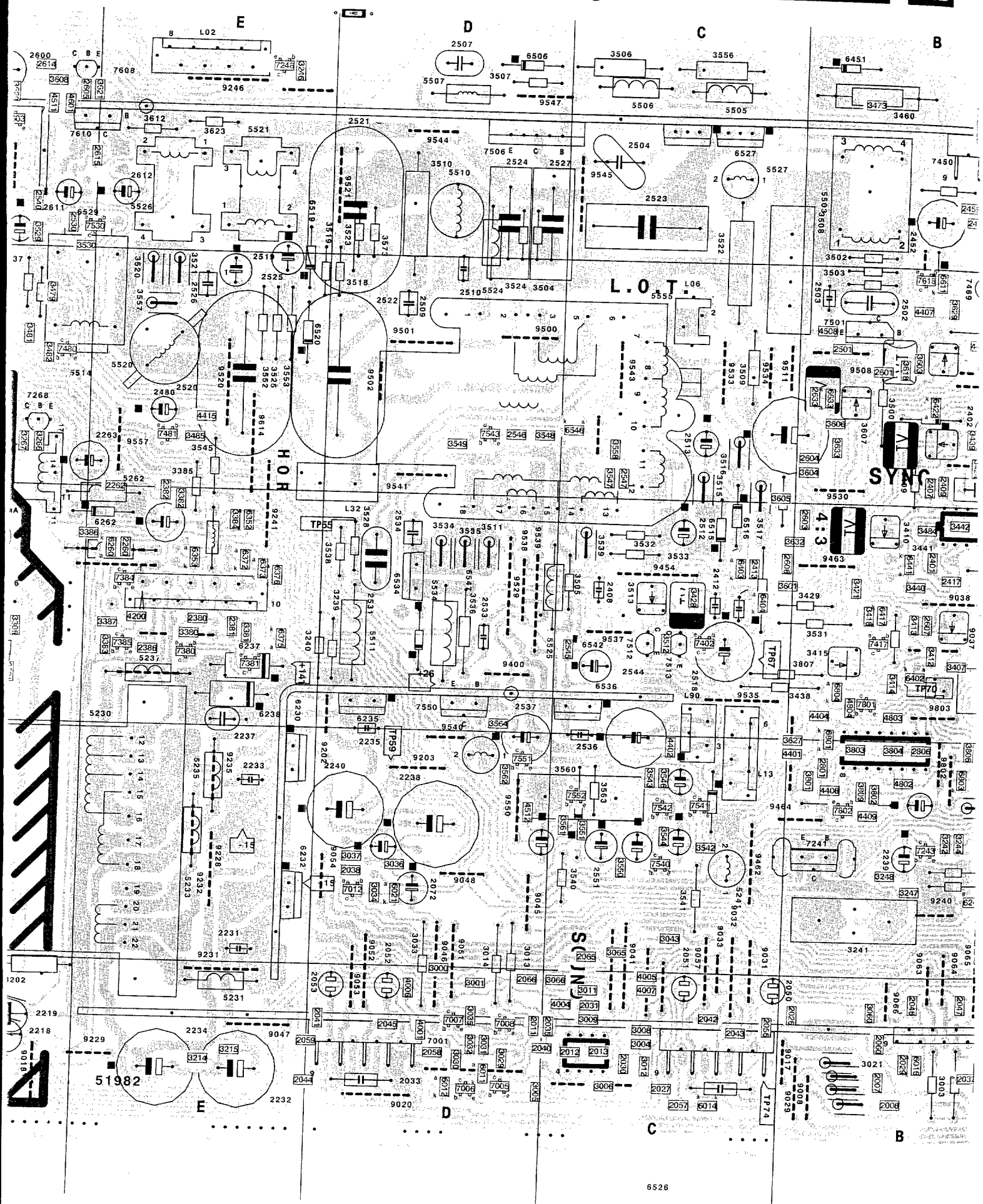
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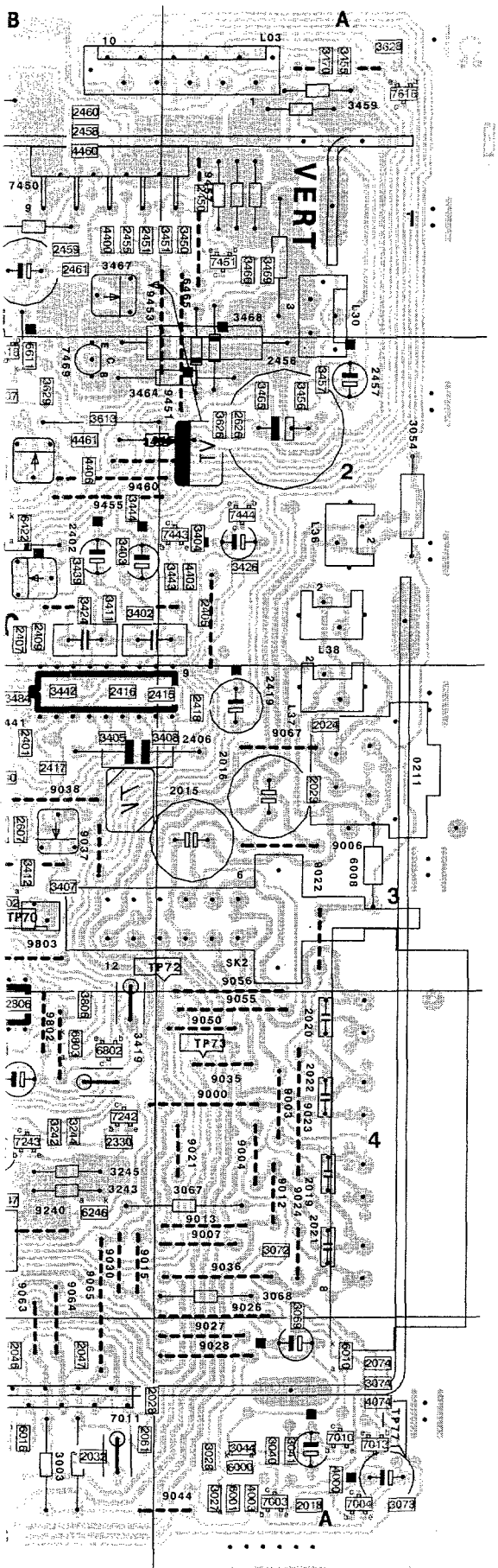

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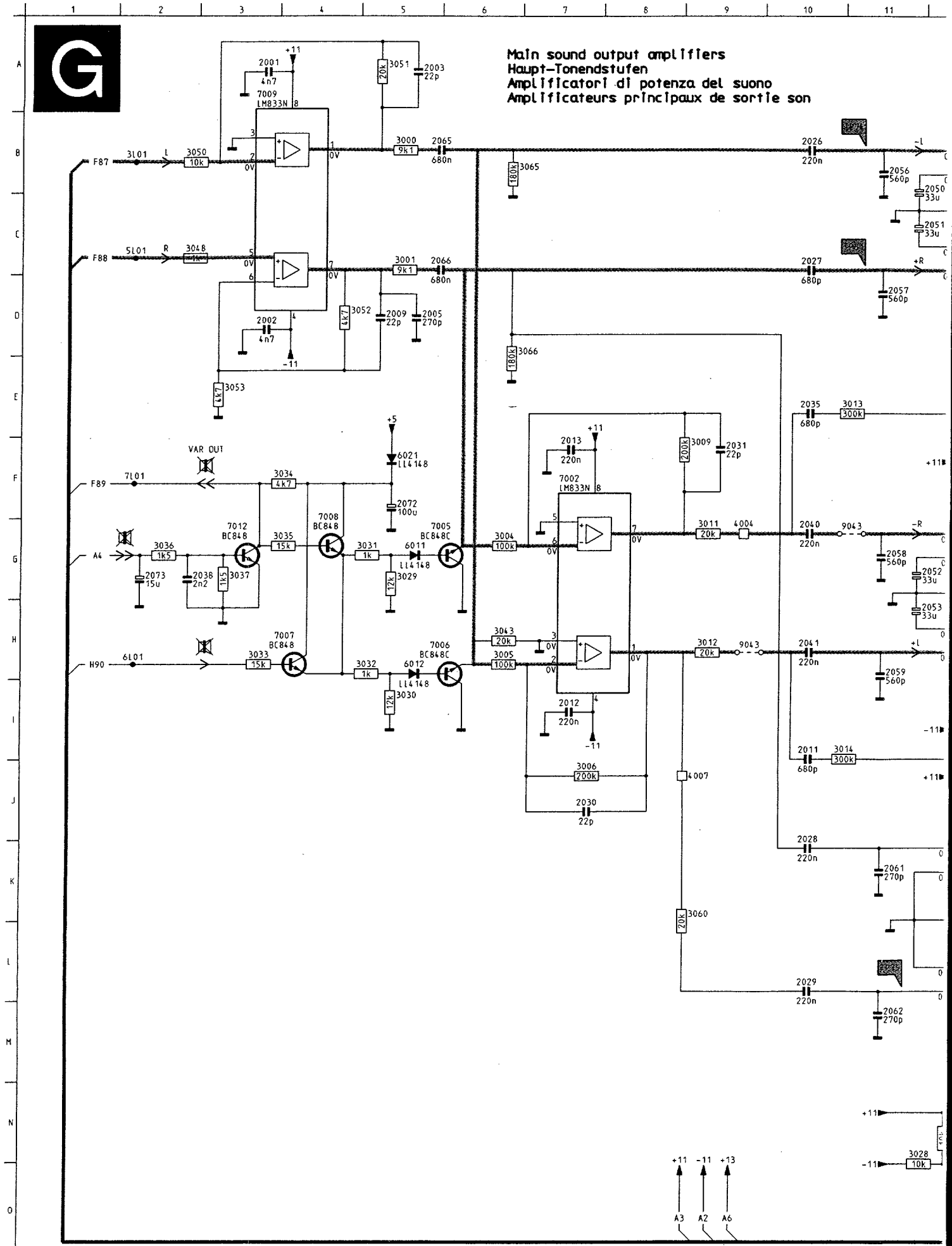
9529 D3
9530 B2
9533 C2
9534 C2
9535 C3
9537 C3
9538 D3
9539 D3
9540 D4
9541 D2
9542 C2
9543 C2
9544 D1
9545 C1
9547 D1
9549 E1
9552 F1
9557 E2
9614 E2
9615 B2
9802 B4
9803 B3

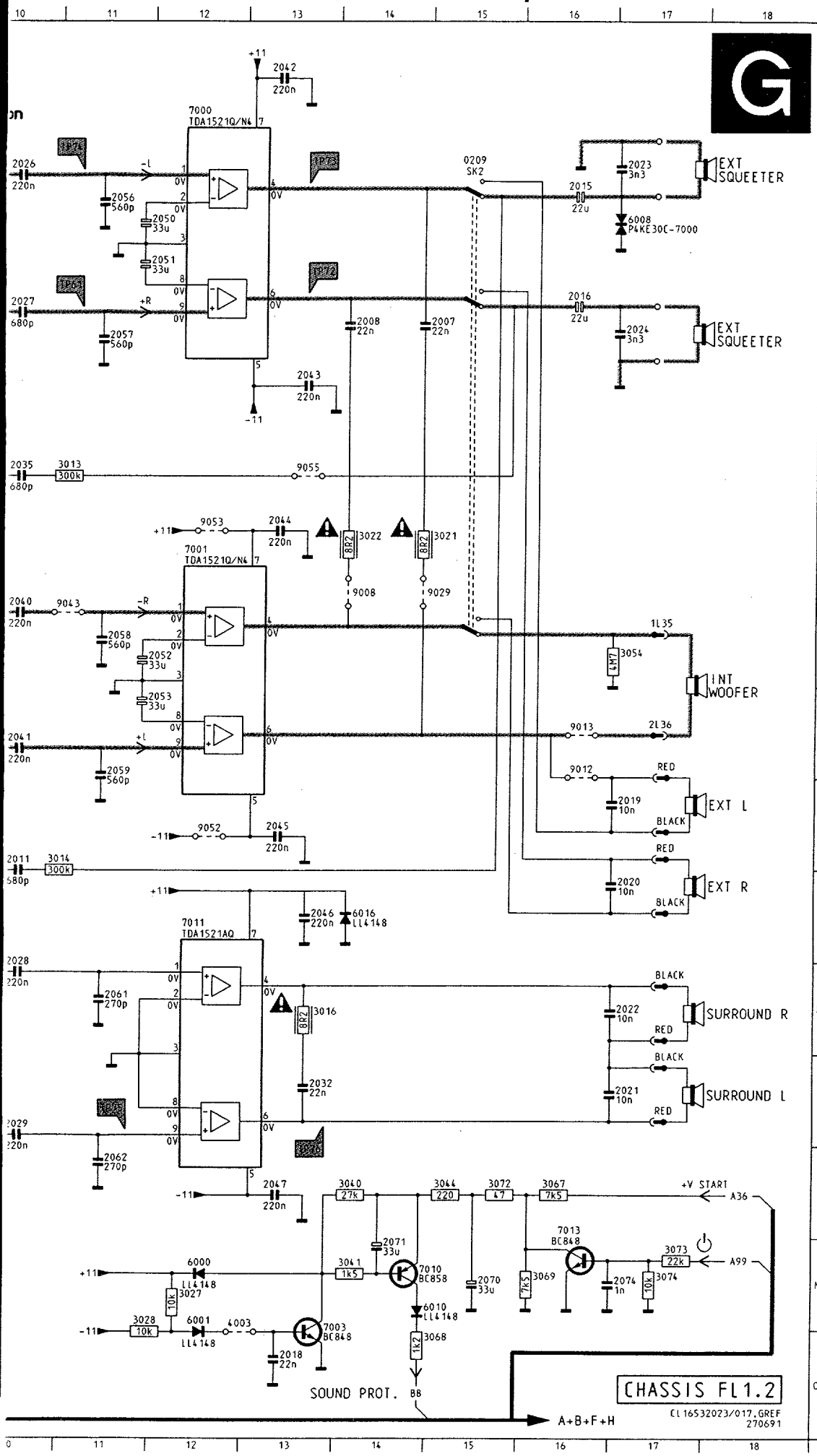
L01 F1
L02 E1
L03 A1
L06 C2
L13 C4
L27 B3
L30 A1
L32 D3
L33 G2
L34 G2
L35 G3
L36 A2
L37 A3
L38 A2
L39 F3
L40 E3
L41 G1
L61 G2
L65 G2
L66 D1
L70 A2
L80 G4
L90 C3
SK1 G3
SK2 A3

G

Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son



Amplification audio



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	2002	D 3	7011	J12
	2003	A 5	7012	G 3
A	2005	D 5	7013	M16
	2007	D14	9008	F14
	2008	D14	9012	H16
	2009	D 5	9013	H16
	2011	I10	9029	F14
	2012	I 7	9043	G11
	2013	F 7	9043	H 9
	2015	B16	9052	I12
B	2016	C16	9053	F12
	2018	O13	9055	E13
	2019	I17		
	2020	J17		
	2021	L17		
	2022	K17		
	2023	B17		
	2024	D17		
C	2026	B10		
	2027	C10		
	2028	K10		
	2029	L10		
	2030	J 7		
	2031	F 9		
	2032	L13		
D	2035	E10		
	2038	G 2		
	2040	G10		
	2041	H10		
	2042	A13		
	2043	D13		
	2044	F13		
	2045	I13		
E	2046	J13		
	2047	M13		
	2050	B11		
	2051	C11		
	2052	G11		
	2053	H11		
	2056	B11		
F	2057	D11		
	2058	G11		
	2059	H11		
	2061	K11		
	2062	M11		
	2065	B 5		
	2066	C 5		
	2070	N15		
G	2071	N14		
	2072	F 5		
	2073	G 2		
	2074	N17		
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	3001	C 5		
	3004	G 6		
	3005	H 6		
	3006	J 7		
H	3009	F 9		
	3011	G 9		
	3012	H 9		
	3013	E11		
	3014	I11		
	3016	K13		
I	3021	F15		
	3022	F14		
	3027	N12		
	3028	N11		
	3029	G 5		
	3030	I 5		
	3031	G 5		
	3032	H 5		
J	3033	H 3		
	3034	F 4		
	3035	G 4		
	3036	G 2		
	3037	G 3		
	3040	M14		
	3041	N14		
K	3043	H 6		
	3044	M15		
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	3050	B 2		
	3051	A 5		
	3052	D 4		
	3053	E 3		
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	3072	M15		
M	3073	N17		
	3074	N17		
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	4004	G 9		
	4007	J 9		
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	6001	N12		
	6008	B17		
N	6010	N14		
	6011	G 5		
	6012	H 5		
	6016	J14		
	6021	F 5		
	7000	A12		
	7001	F12		
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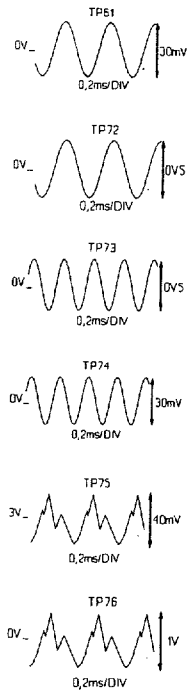
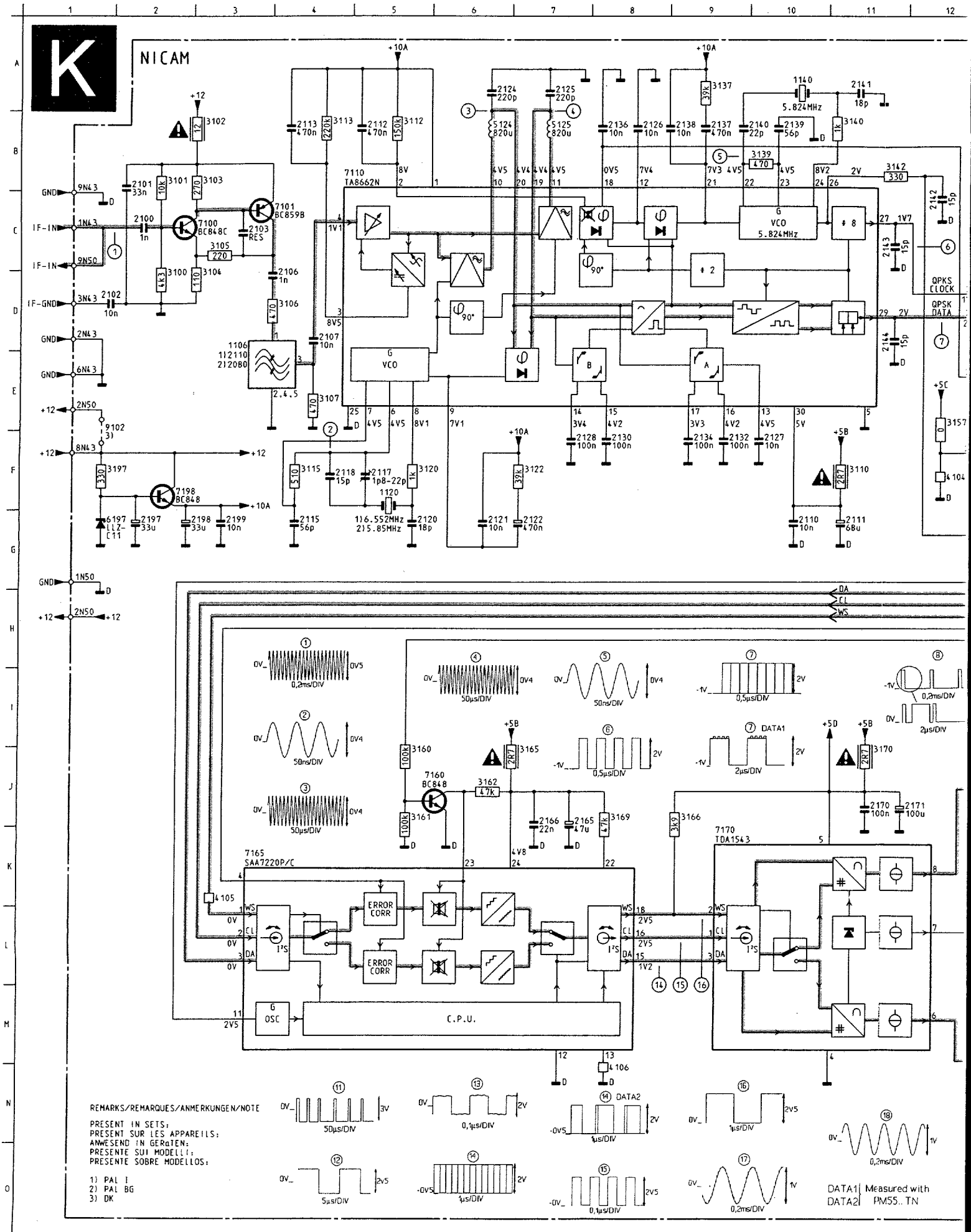
	7007	H 3		
	7008	G 4		




K
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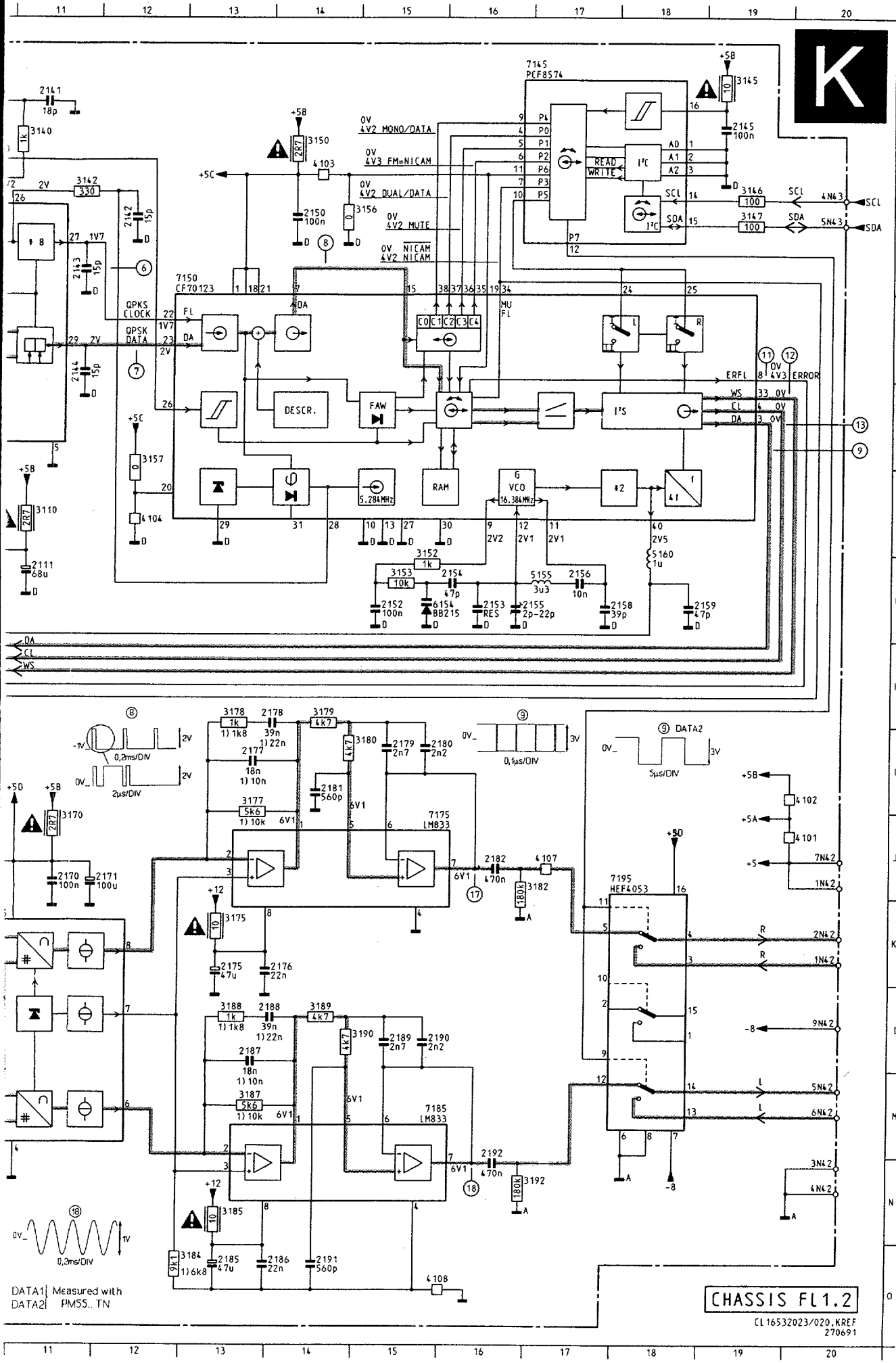
7100 BC848C
7101 BC859B
7198 BC848
7160 BC848
7165 SAA7220P/C
7170 TDA1543
G VCO 5.824MHz
G VCO
G OSC
C.P.U.
÷ 8
÷ 2
90°
5.824MHz
116.552MHz
215.85MHz
QPKS CLOCK
QPSK DATA
DA
CL
WS
ERROR CORR
I²S
DATA1
DATA2
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) PAL I
2) PAL BG
3) DK
Measured with PM55.. TN



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1120	F 5	4103	B14
1140	A10	4104	F12
2100	C 2	4105	K 3
2101	B 2	4106	N 8
2102	D 1	4107	J17
2103	C 3	4108	O16
2106	D 4	5124	B 6
2107	D 4	5125	B 7
2110	G10	5155	G17
2111	G11	5160	G18
2112	B 5	6154	G15
2113	B 4	6197	G 1
2115	G 4	7100	C 3
2117	F 5	7101	C 4
2118	F 4	7110	B 4
2120	G 5	7145	A16
2121	G 6	7150	C12
2122	G 7	7160	J 6
2124	A 6	7165	K 3
2125	A 7	7170	K 9
2126	B 8	7175	J16
2127	F10	7185	M16
2128	F 7	7195	J17
2130	F 8	7198	F 2
2132	F 9	9102	F 1
2134	F 9		
2136	B 8		
2137	B 9		
2138	B 9		
2139	B10		
2140	B 9		
2141	A11		
2142	C12		
2143	C11		
2144	D11		
2145	B19		
2150	C14		
2152	G15		
2153	G16		
2154	G16		
2155	G16		
2156	G17		
2158	G17		
2159	G18		
2165	J 7		
2166	J 7		
2170	J11		
2171	J12		
2175	K13		
2176	K14		
2177	I13		
2178	H14		
2179	I15		
2180	I15		
2181	I14		
2182	J16		
2185	O13		
2186	O14		
2187	L13		
2188	L14		
2189	L15		
2190	L15		
2191	O14		
2192	M16		
2197	G 2		
2198	G 2		
2199	G 3		
3100	C 2		
3101	B 2		
3102	B 3		
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3106	D 4		
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3113	B 4		
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3122	F 7		
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3139	B10		
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3150	B14		
3152	G15		
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3166	J 9		
3169	J 8		
3170	I11		
3175	K13		
3177	I13		
3178	H13		
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3180	I14		
3182	J16		
3184	O13		
3185	N13		
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4101	J20		

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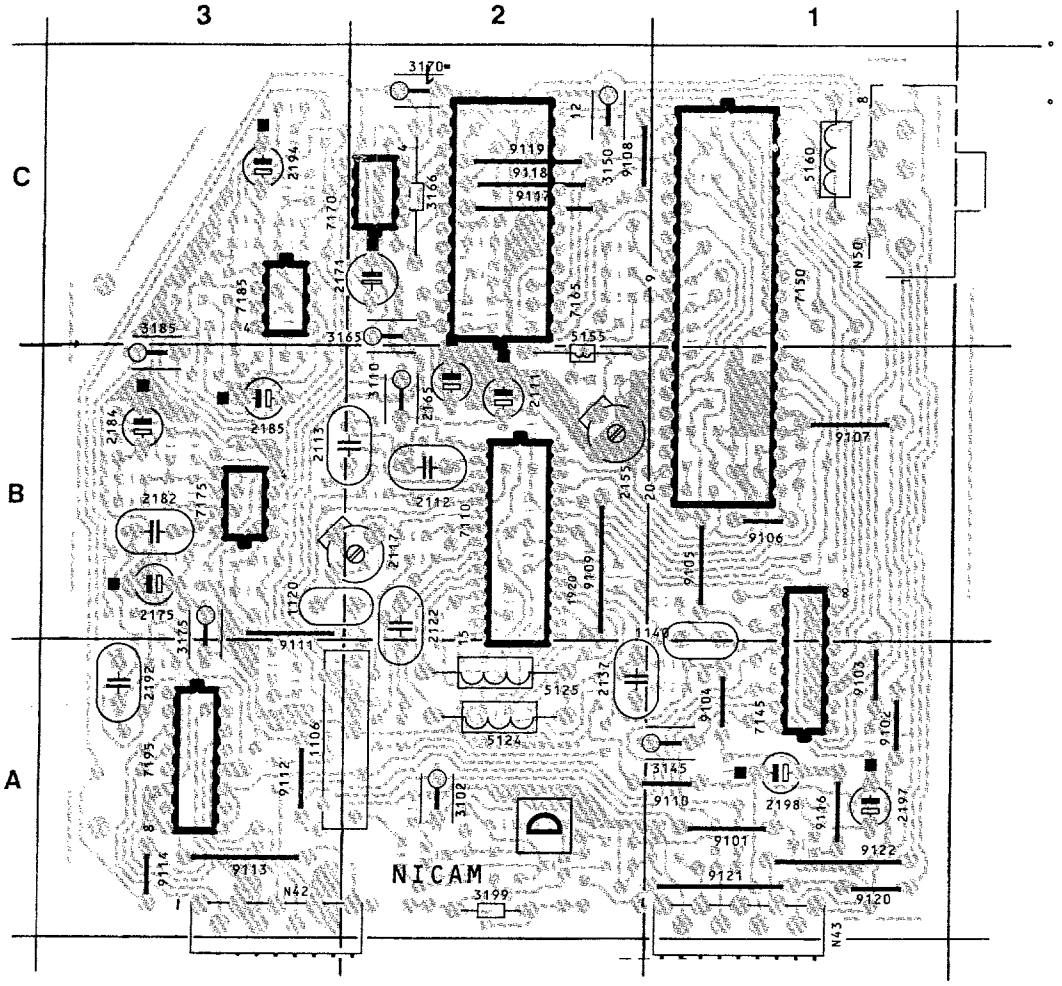

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1120 B3	2121 A2	2142 C1	2175 B3	2191 C3	3107 B3	3153 C2	3183 B3	4102 A3	7100 A2	9105 B1	9122 A1
1140 B1	2122 B2	2143 B1	2176 B3	2192 A3	3110 B2	3156 B1	3184 B3	4103 B1	7101 A2	9106 B1	N42 A2
2100 A2	2124 A2	2144 B1	2177 B3	2193 C3	3112 B2	3157 B1	3185 B3	4104 B1	7110 B2	9107 B1	N43 A1
2101 A2	2125 A2	2145 A1	2178 A3	2194 C3	3113 B2	3160 C2	3186 B3	4105 C1	7145 A1	9108 C2	N50 C1
2102 A1	2126 B2	2150 C1	2179 B3	2195 B3	3115 B2	3161 C2	3187 C3	4106 C2	7150 C1	9109 B2	
2103 A2	2127 B2	2152 C2	2180 B3	2196 C3	3120 B2	3162 C2	3188 C3	4107 C3	7160 C2	9110 A1	
2106 A2	2128 A2	2153 C1	2181 B3	2197 A1	3122 A2	3165 C2	3189 C3	4108 C3	7165 C2	9111 B3	
2107 B2	2130 A2	2154 B2	2182 B3	2198 A1	3137 A1	3166 C2	3190 B3	4109 B3	7170 C2	9112 A3	
2110 B2	2132 A2	2155 B2	2183 B3	2199 A1	3139 B2	3170 C2	3191 C3	4110 A2	7175 B3	9113 A3	
2111 B2	2134 A2	2156 C2	2184 B3	3100 A2	3140 B2	3175 B3	3192 A3	4111 B2	7185 C3	9114 A3	
2112 B2	2136 A2	2158 C1	2185 B3	3101 A2	3142 B1	3177 B3	3193 C3	5124 A2	7195 A3	9116 A1	
2113 B2	2137 A2	2159 C1	2186 B3	3102 A2	3145 A1	3178 A3	3196 C3	5125 A2	7198 A1	9117 C2	
2115 B2	2138 A1	2165 B2	2187 C3	3103 A2	3146 A1	3179 B3	3197 A1	5155 B2	9101 A1	9118 C2	
2117 B3	2139 B2	2166 C2	2188 C3	3104 A2	3147 A1	3180 B3	3198 A2	5160 C1	9102 A1	9119 C2	
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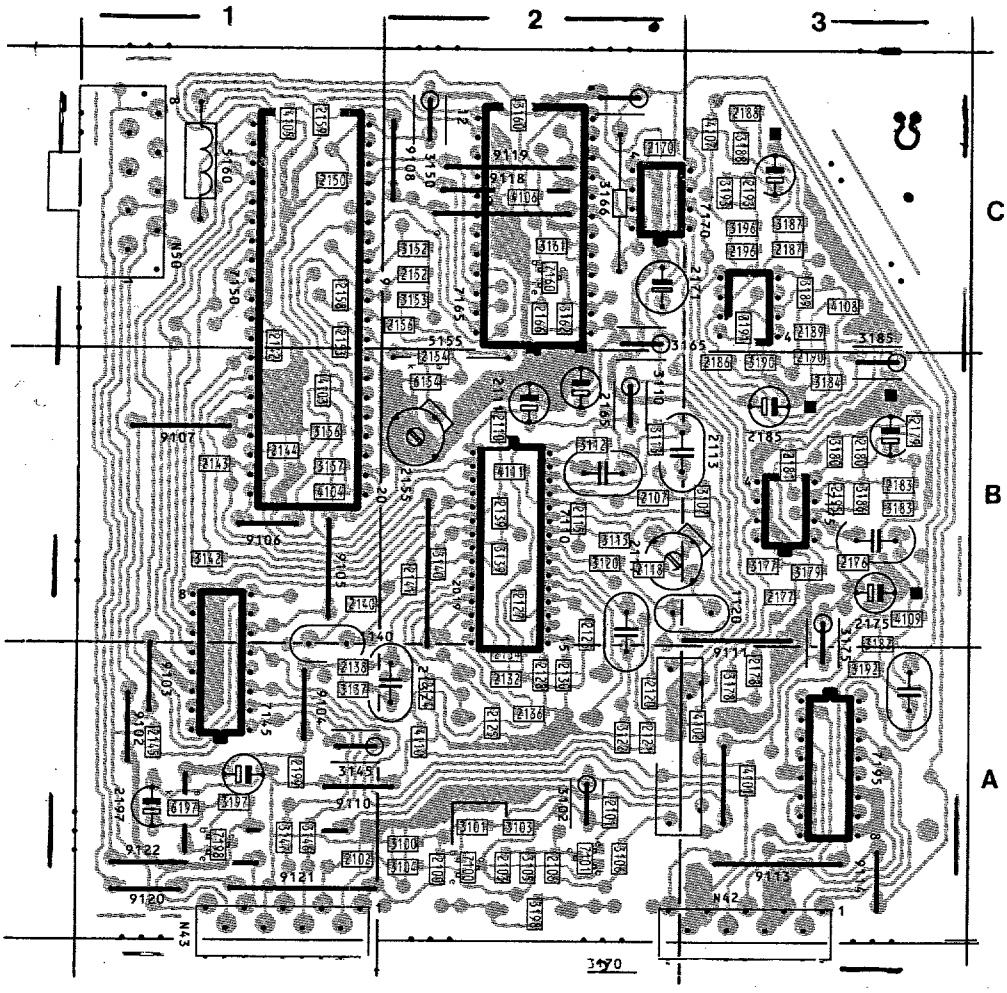

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1120 B3	2121 A2	2142 C1	2175 B3	2191 C3	3107 B3	3153 C2	3183 B3	4102 A3	7100 A2	9105 B1	9122 A1
1140 B1	2122 B2	2143 B1	2176 B3	2192 A3	3110 B2	3156 B1	3184 B3	4103 B1	7101 A2	9106 B1	N42 A2
2100 A2	2124 A2	2144 B1	2177 B3	2193 C3	3112 B2	3157 B1	3185 B3	4104 B1	7110 B2	9107 B1	N43 A1
2101 A2	2125 A2	2145 A1	2178 A3	2194 C3	3113 B2	3160 C2	3186 B3	4105 C1	7145 A1	9108 C2	N50 C1
2102 A1	2126 B2	2150 C1	2179 B3	2195 B3	3115 B2	3161 C2	3187 C3	4106 C2	7150 C1	9109 B2	
2103 A2	2127 B2	2152 C2	2180 B3	2196 C3	3120 B2	3162 C2	3188 C3	4107 C3	7160 C2	9110 A1	
2106 A2	2128 A2	2153 C1	2181 B3	2197 A1	3122 A2	3165 C2	3189 C3	4108 C3	7165 C2	9111 B3	
2107 B2	2130 A2	2154 B2	2182 B3	2198 A1	3137 A1	3166 C2	3190 B3	4109 B3	7170 C2	9112 A3	
2110 B2	2132 A2	2155 B2	2183 B3	2199 A1	3139 B2	3170 C2	3191 C3	4110 A2	7175 B3	9113 A3	
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2112 B2	2136 A2	2158 C1	2185 B3	3101 A2	3142 B1	3177 B3	3193 C3	5124 A2	7195 A3	9116 A1	
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2117 B3	2139 B2	2166 C2	2188 C3	3104 A2	3147 A1	3180 B3	3198 A2	5160 C1	9102 A1	9119 C2	
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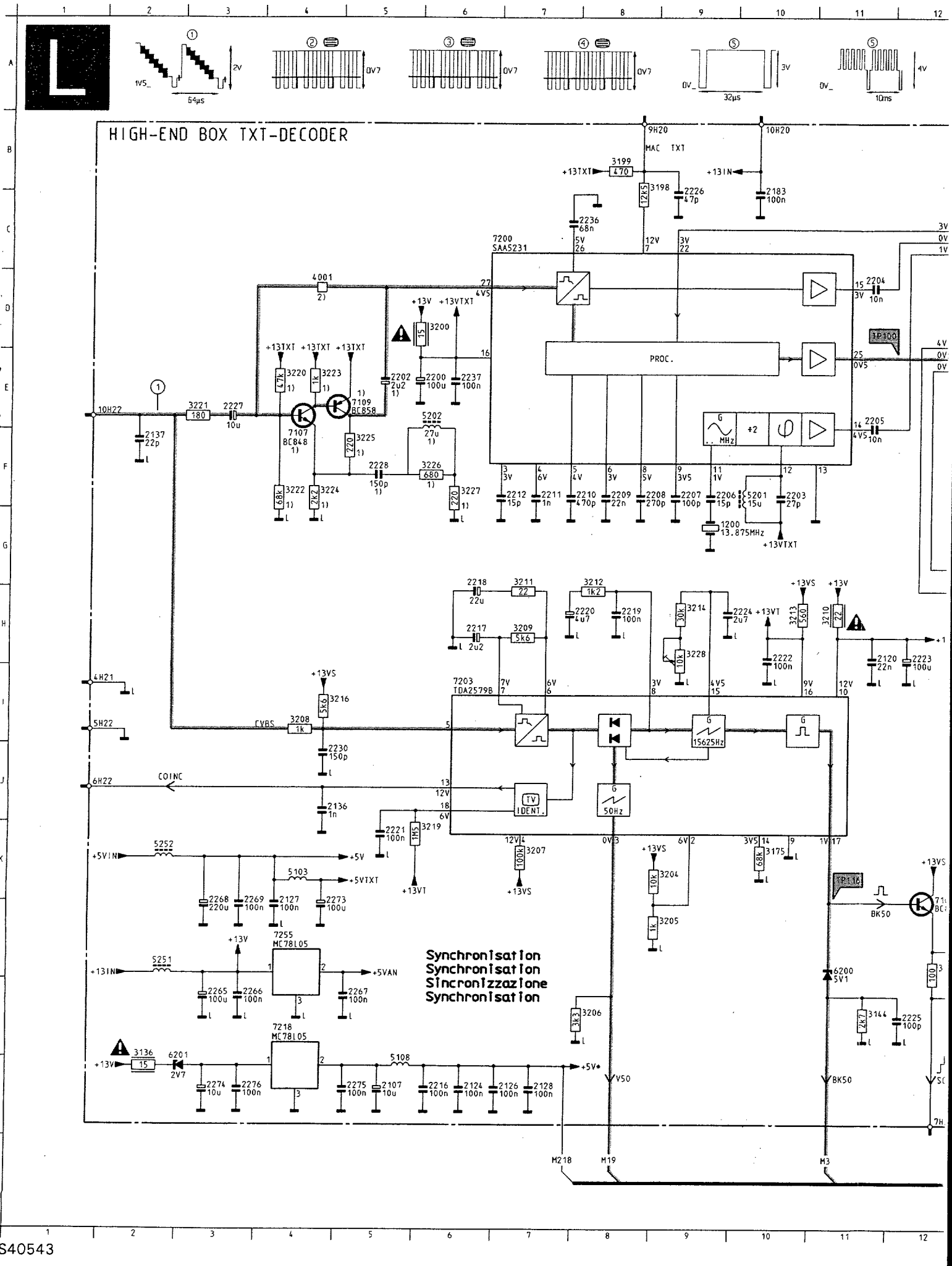
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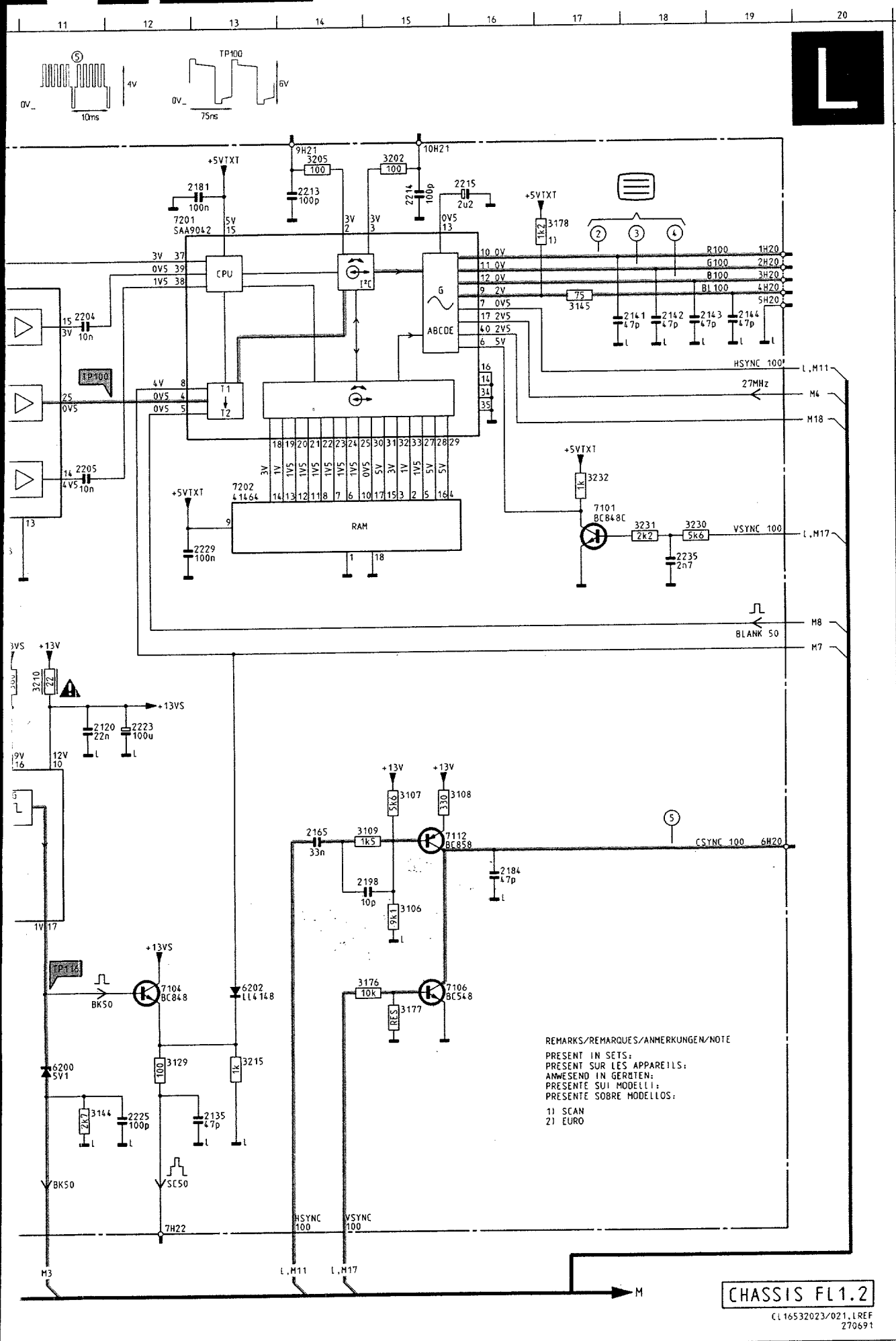
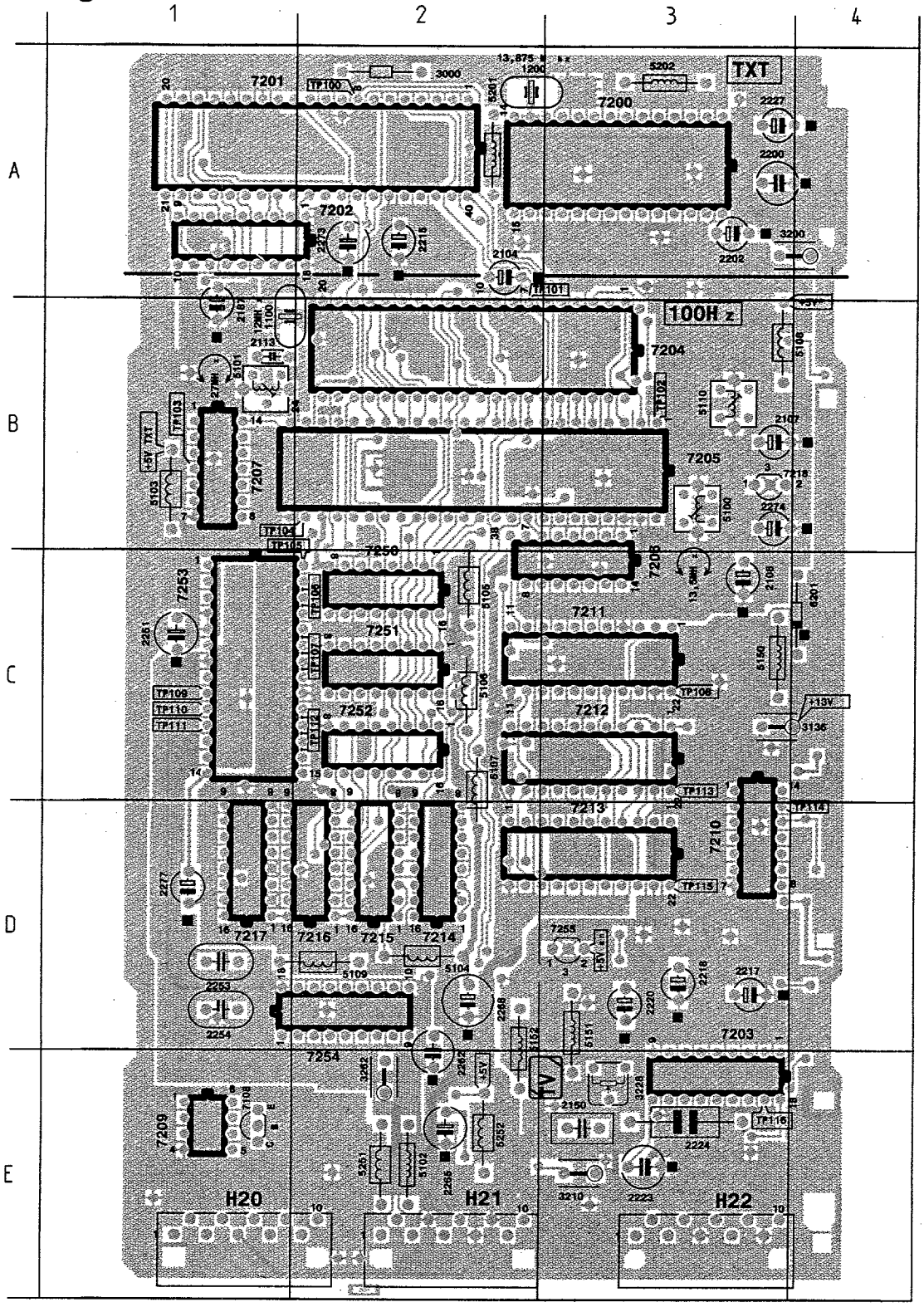
PROC.
7203 TDA2579B
7255 MC78L05
7218 MC78L05
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
CVBS
COINC
+5VIN
+5V
+5VTXT
+13IN
+5VAN
+13TXT
+13VTXT
+13VT
+13VS
+13V
+5V*
1200 13.875MHz
15625Hz
50Hz
TV IDENT.
MAC TXT
9H20
10H20
4H21
5H22
6H22
10H22
M218
M19
M3
BK50
V50



High-end box



H20 E1
H21 E2
H22 E3
1100 B1
1200 A2
2104 A2
2107 B3
2108 C3
2113 B1
2150 E3
2187 B1
2200 A3
2202 A3
2215 A2
2217 D3
2218 D3
2220 D3
2223 E3
2224 E3
2227 A3
2251 C1
2253 D1
2254 D1
2262 E2
2265 E2
2268 D2
2273 A2
2274 B3
2277 D1
3000 A2
3136 C3
3200 A3
3210 E3
3228 E3
3262 E2
5100 B3
5101 B1
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5103 B1
5104 D2
5105 C2
5106 C2
5107 C2
5108 B3
5109 D2
5110 B3
5150 C3
5151 D3
5152 D2
5201 A2
5202 A3
5251 E2
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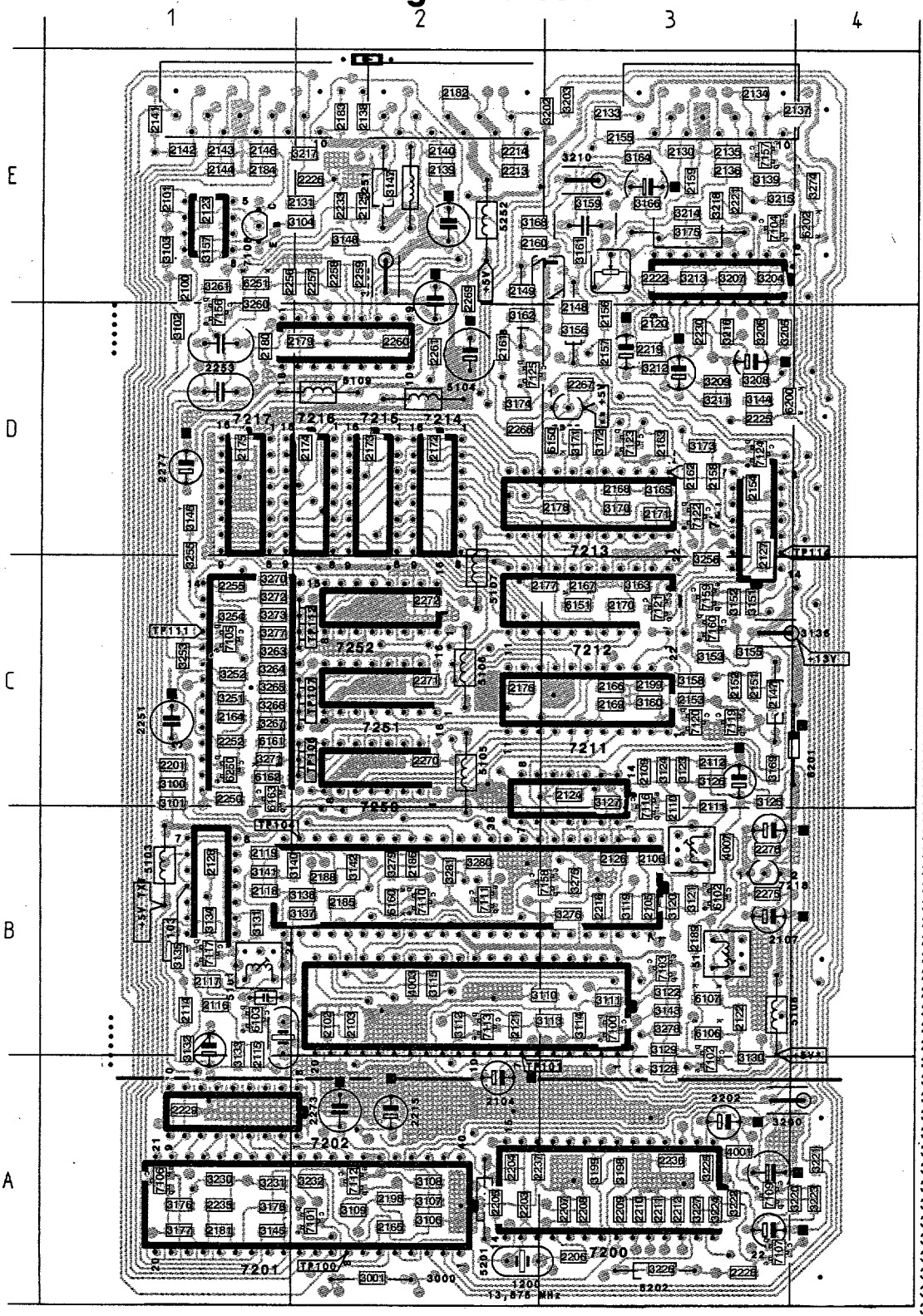
6201 C4
7108 E1
7200 A3
7201 A2
7202 A2
7203 E3
7204 B3
7205 B3
7206 B3
7207 B1
7209 E1
7210 C3
7211 C3
7212 C3
7213 D3
7214 D2
7215 D2
7216 D2
7217 D1
7218 B3
7250 C2
7251 C2
7252 C2
7253 C1
7254 D1
7255 D3

High-end box



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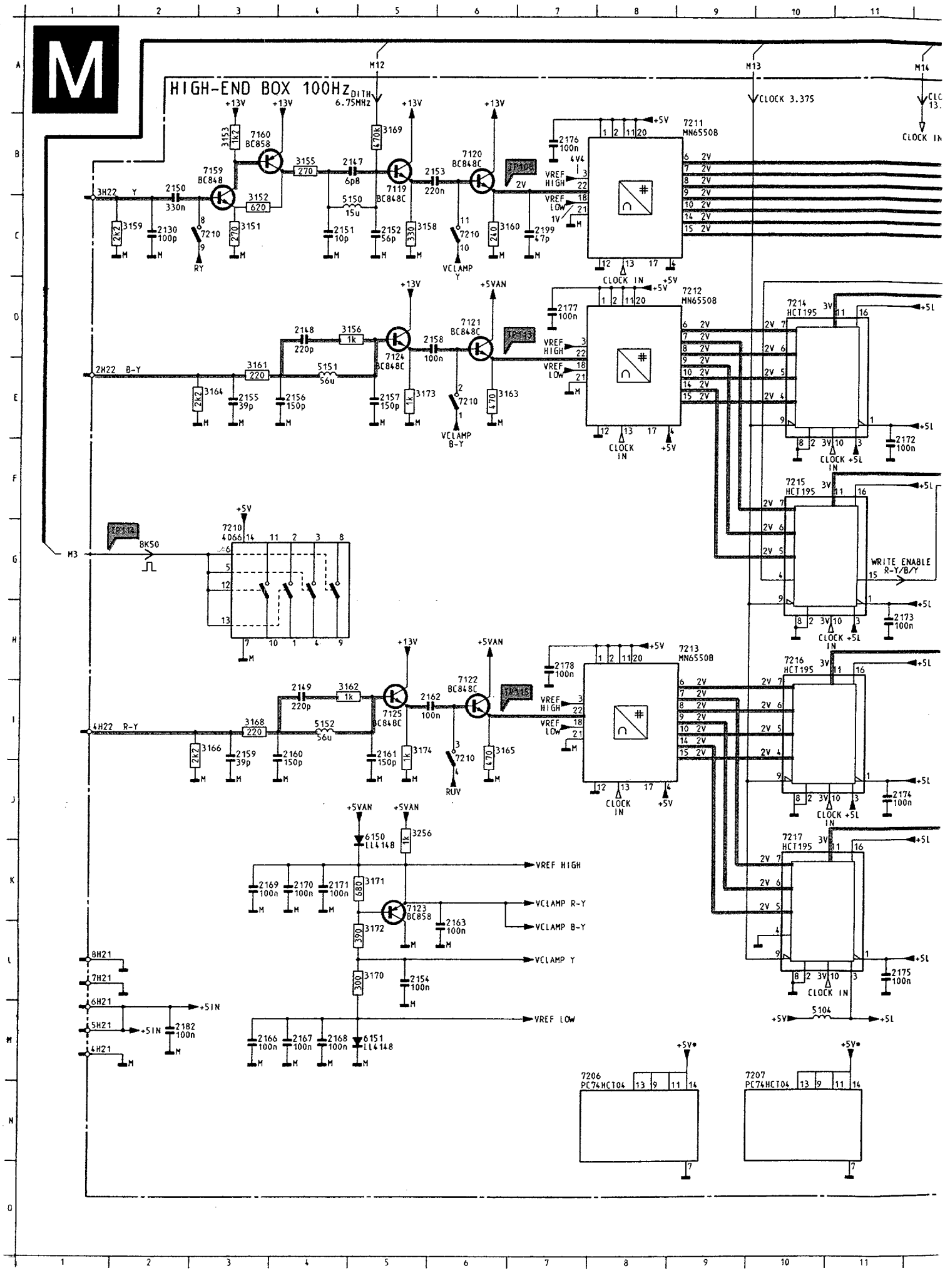
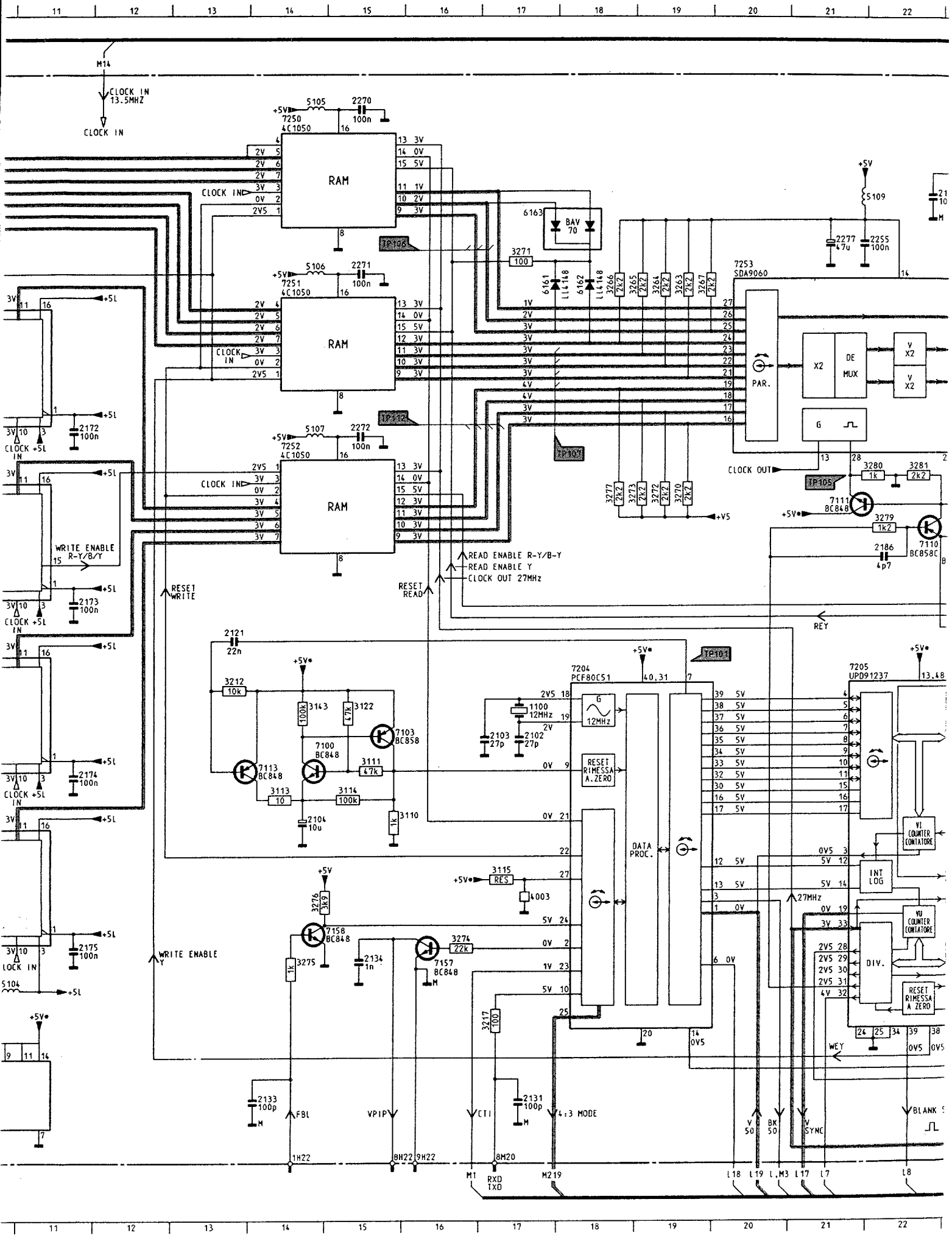
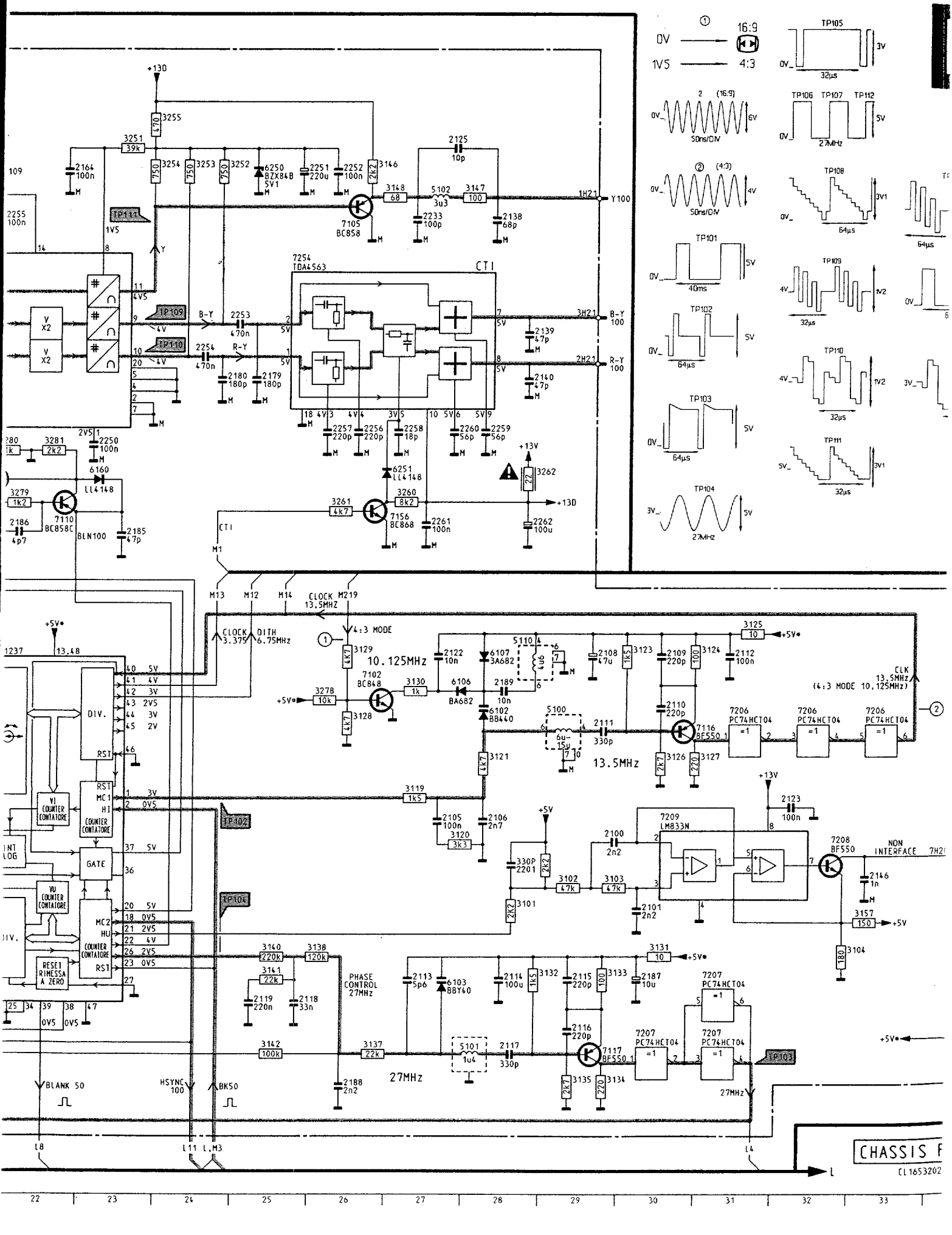
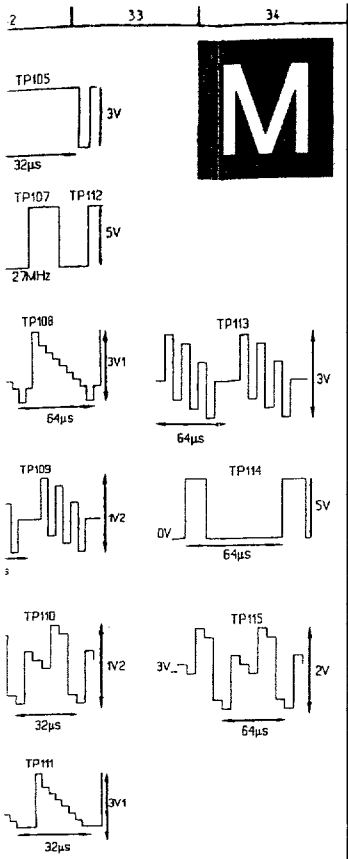
H22 E3	2112 C3	2134 E3	2155 E3	2175 D1
1100 B1	2113 B1	2135 E3	2156 D3	2176 C2
1200 A2	2114 B1	2136 E3	2157 D3	2177 C3
2100 E1	2115 B1	2137 E4	2158 D3	2178 D3
2101 E1	2116 B1	2138 E2	2159 E3	2179 D2
2102 B2	2117 B1	2139 E2	2160 E2	2180 D1
2103 B2	2118 B1	2140 E2	2161 D2	2181 A1
2104 A2	2119 B1	2141 E1	2162 D3	2182 E2
2105 B3	2120 D3	2142 E1	2163 D3	2183 E2
2106 B3	2121 B2	2143 E1	2164 C1	2184 E1
2107 B3	2122 B3	2144 E1	2165 A2	2185 B2
2108 C3	2123 E1	2146 E1	2166 C3	2186 B2
2109 C3	2124 C3	2147 C3	2167 C3	2187 B1
	2125 E2	2148 D3	2168 D3	2188 B2
	2126 B3	2149 E2	2169 C3	2189 B3
	2127 C3	2150 E3	2170 C3	2198 A2
	2128 B1	2151 C3	2171 D3	2199 C3
	2130 E3	2152 C3	2172 D2	2200 A3

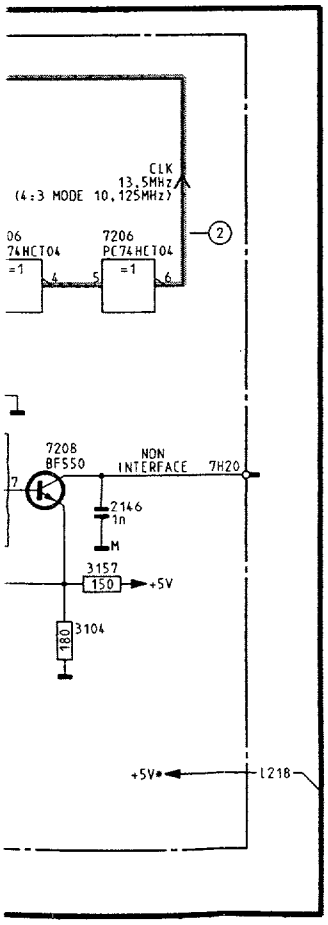
2201 C1	3137 B2	3281 B2
2202 A3	3138 B2	4001 A3
2203 A2	3139 E3	4003 B2
2204 A2	3140 B2	4007 B3
2205 A2	3141 B1	5100 B3
2206 A3	3142 B2	5101 B1
2207 A3	3143 B3	5102 E2
2208 A3	3144 D3	5103 B1
2209 A3	3145 A1	5104 D2
2210 A3	3146 D1	5105 C2
2211 A3	3147 E2	5106 C2
2212 A3	3148 E2	5107 C2
2213 E2	3151 C3	5108 B3
2214 E2	3152 C3	5109 D2
2215 A2	3153 C3	5110 B3
2216 B3	3155 C3	5150 C3
2217 D3	3156 D3	5151 D3
2218 D3	3157 E1	5152 D2
2219 D3	3158 C3	5201 A2
2220 D3	3159 E3	5202 A3
2221 E3	3160 C3	5251 E2
2222 E3	3161 E3	5252 E2
2223 E3	3162 D2	6102 B3
2224 E3	3163 C3	6103 B1
2225 D3	3164 E3	6106 B3
2226 E2	3165 D3	6107 B3
2227 A3	3166 E3	6150 D3
2228 A3	3168 E2	6151 C3
2229 A1	3169 C3	6160 B2
2230 D3	3170 D3	6161 C1
2233 E2	3171 D3	6162 C1
2235 A1	3172 D3	6163 C1
2236 A3	3173 D3	6200 D3
2237 A2	3174 D2	6201 C4
2250 C1	3175 E3	6202 E4
2251 C1	3176 A1	6250 C1
2252 C1	3177 A1	6251 E1
2253 D1	3178 A1	7100 B3
2254 D1	3198 A3	7101 A2
2255 C1	3199 A3	7102 A3
2256 E1	3200 A3	7103 B3
2257 E2	3202 E3	7104 E3
2258 E2	3203 E3	7105 C1
2259 E2	3204 E3	7106 A1
2260 D2	3205 D3	7107 A3
2261 D2	3206 D3	7108 E1
2262 E2	3207 E3	7109 A3
2265 E2	3208 D3	7110 B2
2266 D2	3209 D3	7111 B2
2267 D3	3210 E3	7112 A2
2268 D2	3211 D3	7113 B2
2269 E2	3212 D3	7116 C3
2270 C2	3213 E3	7117 B1
2271 C2	3214 E3	7119 C3
2272 C2	3215 E3	7120 C3
2273 A2	3216 D3	7121 C3
2274 B3	3217 E2	7122 D3
2275 B3	3218 E3	7123 D3
2276 B3	3220 A4	7124 D3
2277 D1	3221 A4	7125 D2
3000 A2	3222 A3	7156 D1
3001 A2	3223 A4	7157 E3
3100 C1	3224 A3	7158 B3
3101 C1	3225 A3	7159 C3
3102 D1	3226 A3	7160 C3
3103 E1	3227 A3	7200 A3
3104 E2	3228 E3	7201 A2
3106 A2	3230 A1	7202 A2
3107 A2	3231 A1	7203 E3
3108 A2	3232 A2	7204 B3
3109 A2	3251 C1	7205 B3
3110 B3	3252 C1	7206 B3
3111 B3	3253 C1	7207 B1
3112 B2	3254 C1	7209 E1
3113 B3	3255 C1	7210 C3
3114 B3	3256 C3	7211 C3
3115 B2	3260 D1	7212 C3
3119 B3	3261 E1	7213 D3
3120 B3	3262 E2	7214 D2
3121 B3	3263 C1	7215 D2
3122 B3	3264 C1	7216 D2
3123 C3	3265 C1	7217 D1
3124 C3	3266 C1	7218 B3
3125 C3	3267 C1	7250 C2
3126 C3	3270 C1	7251 C2
3127 C3	3271 C1	7252 C2
3128 A3	3272 C1	7253 C1
3129 B3	3273 C1	7254 D1
3130 A3	3274 E4	7255 D3
3131 B1	3275 B3	
3132 B1	3276 B3	
3133 B1	3277 C1	
3134 B1	3278 B3	
3135 B1	3279 B2	
3136 C3	3280 B2	


M
HIGH-END BOX 100Hz DITH. 6.75MHz
M12
M13
M14
CLOCK 3.375
CLOCK IN
+13V
+5V
+5VAN
+5L
7211 MN6550B
7212 MN6550B
7213 MN6550B
7214 HCT195
7215 HCT195
7216 HCT195
7217 HCT195
7159 BC848
7160 BC858
7119 BC848C
7120 BC848C
7121 BC848C
7124 BC848C
7125 BC848C
7123 BC858
7210 4066
7206 PC74HCT04
7207 PC74HCT04
3H22 Y
2H22 B-Y
4H22 R-Y
8K50
VREF HIGH
VREF LOW
VCLAMP Y
VCLAMP B-Y
VCLAMP R-Y
WRITE ENABLE R-Y/B-Y
RY
RUV
8H21
7H21
6H21
5H21
4H21
+5IN


M14
CLOCK IN 13.5MHZ
CLOCK IN
RAM
RAM
RAM
CLOCK IN
WRITE ENABLE R-Y/B/Y
WRITE ENABLE Y
RESET WRITE
RESET READ
READ ENABLE R-Y/B-Y
READ ENABLE Y
CLOCK OUT 27MHz
REY
WEY
CLOCK OUT
PAR.
DE MUX
X2
G
DATA PROC.
DIV.
INT LOG
RESET RIMESSA A ZERO
4:3 MODE
VPIP
FBL
CET1
RXD
TXD
BLANK
V SYNC
BK 50
V 50
TP101
TP102
TP105
TP106
7250 4C1050
7251 4C1050
7252 4C1050
7253 SDA9060
7204 PCF80C51
7205 UPD91237
7103 BC858
7100 BC848
7113 BC848
7158 BC848
7157 BC848
7111 BC848
7110 BC858C
12MHz
27MHz
BAV 70


+13D
3255
3251
39k
2164
100n
3254
3253
3252
6250
BZX84B
5V1
2251
220u
2252
100n
2K2
3146
2125
10p
3148
68
5102
3u3
3147
100
1H21
Y100
TP111
1V5
7105
BC858
2233
100p
2138
68p
7254
TDA4563
CTI
TP109
B-Y
2253
470n
TP110
R-Y
2254
470n
2180
180p
2179
180p
3H21
B-Y
100
2H21
R-Y
100
2139
47p
2140
47p
2257
220p
2256
220p
2258
18p
2260
56p
2259
56p
6251
LL4148
3260
8k2
3261
4k7
7156
BC868
2261
100n
3262
22
2262
100u
3281
2K2
2250
100n
6160
LL4148
3279
1k2
7110
BC858
2186
4p7
BLN100
2185
47p
M1
M13
M12
M14
CLOCK M219
13.5MHz
CLOCK
3.375
DITH
6.75MHz
4:3 MODE
10.125MHz
3129
4K7
7102
BC848
3130
1k
6106
BA682
6107
3A682
6102
BB440
2189
10n
3128
4K7
3278
10k
5110
4u6
2122
10n
2108
47u
3123
1k5
2109
220p
3124
100
2112
100n
3125
10
+5V*
CLK
13.5MHz
(4:3 MODE 10.125MHz)
5100
6u-15u
2111
330p
7116
BF550
2110
220p
3126
2K7
3127
220
7206
PC74HCT04
13.5MHz
3121
4K7
3119
1k5
2105
100n
2106
2n7
3120
3k3
TP102
TP104
2123
100n
+13V
7209
LM833N
2100
2n2
2101
2n2
3102
47k
3103
47k
330P
2201
2K2
3101
7208
BF550
NON
INTERFACE
2146
1n
3157
150
+5V
3104
180
3131
10
2113
5p6
6103
BBY40
2114
100u
1K5
3132
2115
220p
100
3133
2187
10u
7207
PC74HCT04
2116
220p
7117
BF550
2117
330p
5101
1u4
3137
22k
3142
100k
3140
220k
3138
120k
3141
22k
2119
220n
2118
33n
2188
2n2
27MHz
3135
2K7
3134
220
TP103
PHASE
CONTROL
27MHz
DIV.
RST
MC1
HI
COUNTER
CONTATORE
VI
COUNTER
CONTATORE
GATE
VU
COUNTER
CONTATORE
MC2
HU
RESET
RIMESSA
A ZERO
BLANK 50
HSYNC
100
BK50
L8
L11
L.M3
L4
CHASSIS F
CL1653202
TP105
TP106
TP107
TP112
TP108
TP101
TP109
TP102
TP110
TP103
TP111
TP104
16:9
4:3
50ns/DIV
64µs
32µs
40ms
27MHz





CHASSIS FL1.2

CL16532023/022.MREF
270691

32 33 34

	1100	I 17	3135	N29	7208	K32
	2100	K29	3137	N26	7209	K30
	2101	L30	3138	M26	7210	C 3
	2102	J17	3140	M25	7210	C 6
A	2103	J17	3141	M25	7210	E 6
	2104	K14	3142	N25	7210	I 6
	2105	K27	3143	I14	7210	G 3
	2106	K28	3146	B26	7211	B 9
	2108	I29	3147	C28	7212	D 9
	2109	I30	3148	C27	7213	H 9
	2110	I30	3151	C 3	7214	D10
	2111	J29	3152	C 3	7215	F10
B	2112	I31	3153	B 3	7216	H10
	2113	M27	3155	B 4	7217	K10
	2114	M28	3156	D 4	7250	B14
	2115	M29	3157	L33	7251	D14
	2116	N29	3158	C 5	7252	F14
	2117	N28	3159	C 2	7253	D20
	2118	M25	3160	C 6	7254	D25
	2119	M25	3161	E 3		
C	2121	H13	3162	I 4		
	2122	I27	3163	E 6		
	2123	K32	3164	E 3		
	2125	B27	3165	I 6		
	2130	C 2	3166	I 3		
	2131	N17	3168	I 3		
	2133	N14	3169	B 5		
D	2134	L15	3170	L 5		
	2138	C28	3171	K 5		
	2139	E28	3172	L 5		
	2140	E28	3173	E 5		
	2146	L33	3174	I 5		
	2147	B 4	3212	I13		
	2148	D 4	3217	M17		
	2149	I 4	3251	B23		
E	2150	B 2	3252	B24		
	2151	C 4	3253	B24		
	2152	C 5	3254	B24		
	2153	B 5	3255	B24		
	2154	L 5	3256	J 5		
	2155	E 3	3260	G27		
	2156	E 4	3261	G26		
F	2157	E 5	3262	F28		
	2158	D 5	3263	D19		
	2159	I 3	3264	D19		
	2160	I 4	3265	D18		
	2161	I 5	3266	D18		
	2162	I 5	3267	D19		
	2163	L 6	3270	F19		
	2164	C22	3271	C17		
G	2166	M 3	3272	F19		
	2167	M 4	3273	F18		
	2168	M 4	3274	L16		
	2169	K 3	3275	L14		
	2170	K 4	3276	L14		
	2171	K 4	3277	F18		
	2172	F11	3278	I26		
H	2173	H11	3279	G22		
	2174	J11	3280	F22		
	2175	L11	3281	F22		
	2176	B 7	4003	L17		
	2177	D 7	5100	J29		
	2178	H 7	5101	N28		
	2179	E25	5102	C27		
	2180	E24	5104	M10		
I	2182	M 2	5105	A14		
	2185	G23	5106	D14		
	2186	G22	5107	F14		
	2187	M30	5109	C21		
	2188	N26	5110	I28		
	2189	I28	5150	C 4		
	2199	C 7	5151	E 4		
	2201	L28	5152	I 4		
J	2233	C27	6102	J28		
	2250	F23	6103	M27		
	2251	C25	6106	I27		
	2252	C26	6107	I28		
	2253	D25	6150	K 5		
	2254	E24	6151	M 5		
	2255	C22	6160	F23		
K	2256	F26	6161	D17		
	2257	F26	6162	D18		
	2258	F27	6163	C17		
	2259	F28	6250	C25		
	2260	F27	6251	F27		
	2261	G27	7100	J14		
	2262	G28	7102	I26		
L	2270	A15	7103	I15		
	2271	D15	7105	C26		
	2272	F15	7110	G22		
	2277	C21	7111	G21		
	3101	L28	7113	J14		
	3102	L29	7116	J31		
	3103	L29	7117	N29		
	3104	M32	7119	B 5		
M	3110	J15	7120	B 6		
	3111	J15	7121	D 6		
	3113	J14	7122	I 6		
	3114	J15	7123	K 5		
	3115	K17	7124	D 5		
	3119	K27	7125	I 5		
	3120	K27	7156	G27		
	3121	J28	7157	L16		
N	3122	I15	7158	L15		
	3123	I30	7159	B 3		
	3124	I31	7160	B 3		
	3125	H31	7204	I18		
	3126	J30	7205	I21		
	3127	J31	7206	M 7		
	3128	J26	7206	J31		
	3129	I26	7206	J32		
O	3130	I27	7206	J33		
	3131	M30	7207	M 9		
	3132	M28	7207	N30		
	3133	M29	7207	M31		
	3134	N29	7207	N31		

Setting cor

* Unless s
  220 - 24
* Voltages
  tuner ea
* Warming
* For all m
  probe Ri

1. Electri panel

N.B.: All pictu unless s

1.1 +141V
Supply t
the mair
Connect
Using R3
set the s

1.2 Focusing
This is s
the DAF

1.3 Vg2 sett
Supply a
Set the c
saturatio
Using an
the direc
(fig. 7.2)
relation
Now adj
aid of the
transforr

1.4 Dynamic
This is s
bottom
adjustme

1.5 Horizonta
Connect
Supply a
Adjust p
straight.
Break th

1.6 Horizonta
Set using

1.7 Picture v
Set using

1.8 Vertical
Set using

Electrical adjustments

Setting conditions

* Unless stated otherwise, the supply voltage used is: 220 - 240V ± 10%; 50 - 60Hz ± 5%
* Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.
* Warming-up time ≈ 10 minutes
* For all measurements it is true that: probe Ri > 1MΩ; Ci < 10pF

1. Electrical settings on the large signal panel

N.B.: All picture adjustments are carried out in 16/9 mode unless specified otherwise.

1.1 +141V supply voltage
Supply the mains voltage; this must be isolated from the mains.
Connect a voltmeter over C2238.
Using R3371, on the SOPS DRIVE CIRCUIT (fig. 7.1) set the supply voltage to + 141V ± 0.5V.

1.2 Focusing
This is set with the focus potentiometer (top one on the DAF transformer).

1.3 Vg2 setting
Supply an aerial signal.
Set the contrast to maximum and the brightness and saturation to nominal.
Using an oscilloscope set to field frequency, measure the direct voltage level of the measurement pulse (fig. 7.2) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth.
Now adjust the highest voltage level found with the aid of the Vg2 potentiometer (bottom left on the DAF transformer) to 150V ± 2V.

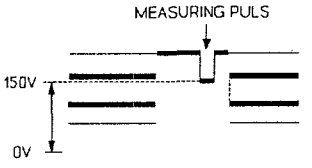


Fig. 7.1

1.4 Dynamic focus
This is set with the aid of the potentiometer on the bottom right of the DAF transformer. Repeat the adjustment of the Vg2 and focus.

1.5 Horizontal synchronisation
Connect point 5-IC7400 to point 9-IC7400.
Supply an aerial signal and set the receiver.
Adjust potentiometer R3406 until the picture is straight.
Break the through connection.

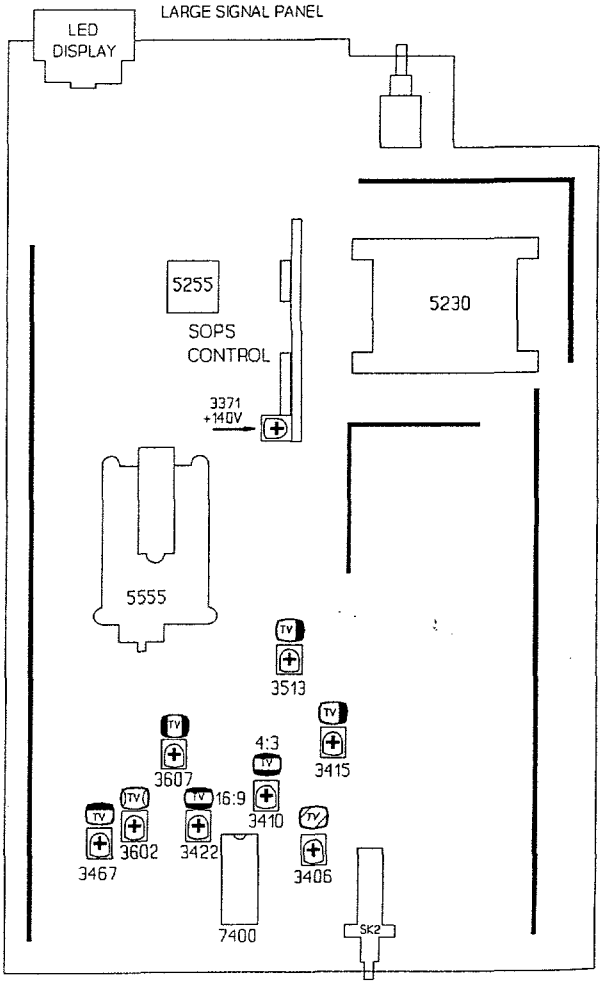
1.6 Horizontal centring
Set using potentiometer R3513.

1.7 Picture width
Set using potentiometer R3607.

1.8 Vertical centring
Set using potentiometer R3467.

1.9 Picture height
Movie expand off: set using potentiometer R3410.
Movie expand on: set using potentiometer R3422.

1.10 East/West correction
Movie expand on: set using potentiometer R3602.



r R3410.
r R3422.

- R3602.

2. Electrical settings on the small signal panel

2.1 Stereo audio channel separation

Connect a signal generator with a 2 carrier stereo signal ("stereo" mode).
Select 1kHz for the right-hand channel and switch off the sound for the left-hand channel.
Connect an oscilloscope to pin 3 of Euroconnector EXT1
Using R3602 on the small signal panel, set the amplitude of the signal to minimum amplitude.

2.2 4.43 MHz chroma suppression circuit

Supply a colour bar signal. Connect an oscilloscope to point 17 of IC7324 and set L5305 to minimum amplitude of the chrominance signal.

2.3a Electrical settings for sets with IC7364 - TDA4510

a-1 Chroma bandpass filter

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-IC7364.
Set L5354 to maximum amplitude.

a-2 Chroma auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7364 (TDA4510) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

2.3b Electrical settings for sets with IC7365 - TDA4650

b-1 Chroma bandpassfilter

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-IC7365 to pin 13-IC7365 (+12V).
Connect an oscilloscope to pin 15-IC7365.
Set L5345 to maximum amplitude.
Remove the interconnection.

b-2 4.50 MHz NTSC sound suppression

Connect a generator to point 20 of Euroconnector EXT1 with a frequency of 4.50 MHz and 200mV$_{rms}$.
Connect point 26-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-3 6.50 MHz SECAM DK sound suppression

Connect a sine-wave generator to point 20 of Euroconnector EXT1 with a frequency of 6.50 MHz and 200mV$_{rms}$.
Connect point 28-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-4 Chroma 8,87 MHz auxiliary oscillator

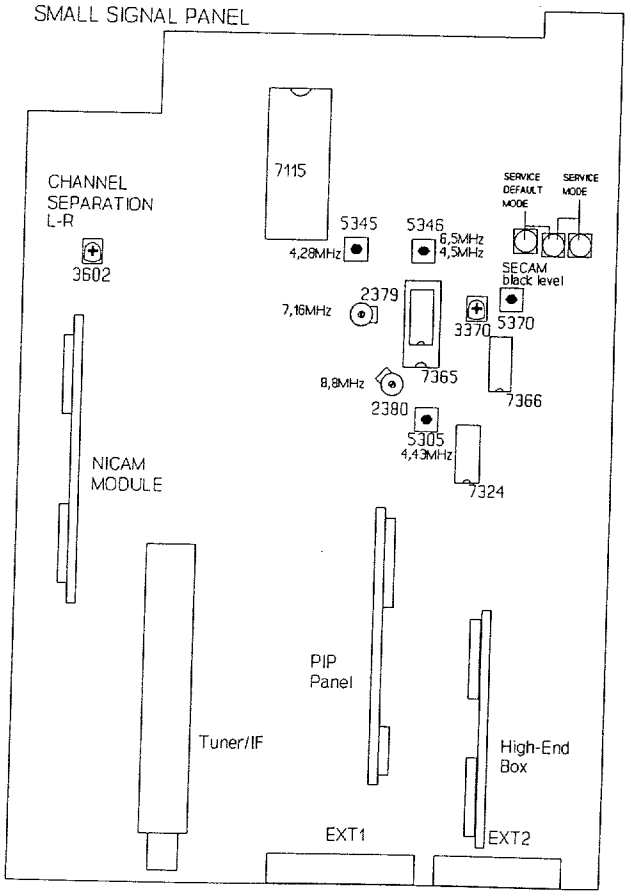
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

b-5 Chroma 7,16 MHz auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set R2379 so that the colour on the screen has practically stopped. Remove the interconnection.

b-6 SECAM demodulators

Connect a pattern generator and supply a SECAM black pattern. Connect an oscilloscope to pin 3-IC7365. Set L5370 to minimum amplitude.
Connect the oscilloscope to pin 1-IC7365. Set R3370 to minimum amplitude.



Electrical adjustments

3. Electrical adjustments on the high-end box

3.1 Synchronisation

Connect point 5 of IC7203 to earth. Adjust R3228 until the picture is straight.
Remove the short circuit.

3.2 13.5 MHz oscillator

Measure the signals at point 1 of IC7205 and at point 5 0f IC7203 simultaneously with an oscilloscope (fig. 7.2). Adjust coil L5100 so that the positive-going flank of the signal at point 1 of IC7205 comes 7.62 μsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7203).

3.3 27 MHz oscillator

Apply a PAL/SECAM signal. Short pin 28 of IC7204 to earth. Measure the frequency at point 6 of IC7207. Using L5101 set the frequency to 27 MHz ± 50 kHz.

3.4 10.125 MHz oscillator

Switch on compress.
Measure the signals on point 1 of IC7205 and on point 5 of IC7203 simultaneously with an oscilloscope (fig. 7.2). Adjust coil L5110 so that the rising flank of the signal on point 1 of IC7205 comes 7.62 μsec after the negative flank of the sync pulse in the video signal (point 5 of IC7203).

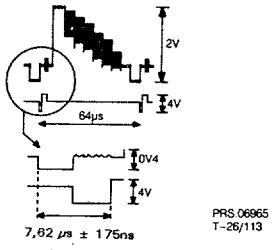
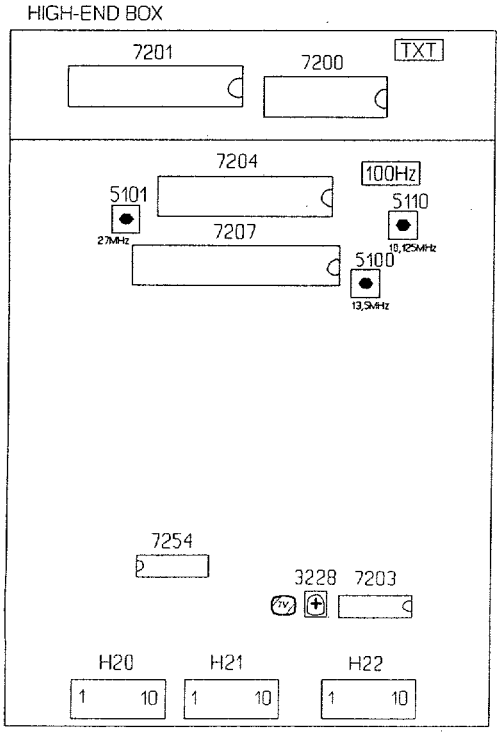


Fig. 7.2



4. Electrical settings on the NICAM decoder panel

4.1 The NICAM demodulator

Supply an aerial or generator signal which has a NICAM audio signal.
Connect the X-input of the oscilloscope to pin 19-IC7110.
Connect the Y-input of the oscilloscope to pin 20-IC7110.
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 C2117 on a straight cross pattern (see fig. 7.3).

4.2 The "Sample" clock oscillator

Supply an aerial or generator signal which has a NICAM audio signal.
Connect an oscilloscope to pin 9-IC7150.
Set the sensitivity of the oscilloscope to 1V/div and the time base to 2μs/div.
Set C2155 so that a symmetrical block wave is visible.

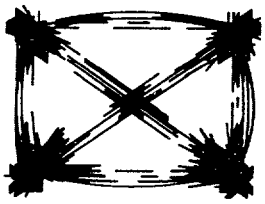


Fig. 7.3

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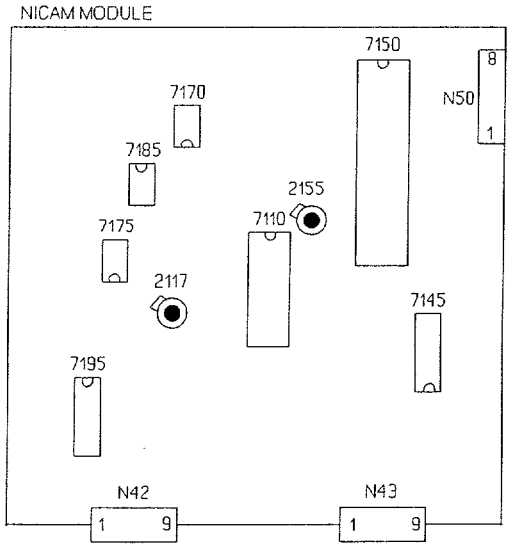
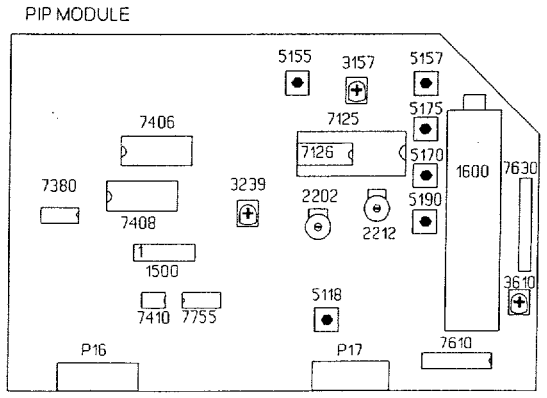
T28/826





5. Electrical settings on the PIP panel

Before carrying out each setting, it should be ensured that a P.I.P. picture with colour bar is visible on the screen and the unit should have reached its operating temperature (after ≈ 20 min.).

5.1 Horizontal synchronisation

Supply an aerial or generator signal.
Connect pin 28-IC7125 to pin 13-IC7125.
Connect pin 5-IC7755 to earth.
Measure the frequency on pin 17-IC7755 and set this to 15,625 Hz ± 25 Hz with R3239.
Remove the short circuits.

5.2 Adjustment of PLL circuit

Connect a pattern generator and apply a PAL colour-bar pattern to the CVBS input.

5.2.1 Adjustment of the PLL oscillator

Movie expand	off
Main picture	16:9
PIP-picture	16:9

With the aid of L5101 on the PLL PCB set the DC level on pin 5 of 1500 to 2.5V.

5.2.2 Adjustment of the duty cycle

Movie expand	off
Main picture	16:9
PIP-picture	4:3

Connect an oscilloscope to pin 11 of IC7408 (SDA9088).
With the aid of R3130 on the PLL PCB set the time T to 13nsec (see fig. 7.4).

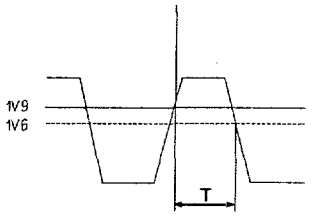


Fig. 7.4

5.3 AGC

If the picture from a strong local transmitter is distorted, adjust 3160 until the picture is not distorted.

5.4a Setting for PIP modules with TDA4510

a-1 Chroma bandpass filter

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 L5118 to maximum amplitude.

a-2 PAL chroma auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7126 (TDA4510) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

a-3 The delayline

Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7126 (TDA4510). Connect the Y-input of the oscilloscope to 2-IC7126 (TDA4510). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 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.

5.4b Setting for PIP modules with TDA4554

b-1 Chroma bandpass filter

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 L5118 to maximum amplitude.
Remove the interconnection.

b-2 PAL chroma auxiliary oscillator

Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-3 NTSC chroma auxiliary oscillator

Connect a pattern generator and supply an NTSC M colour bar pattern. Connect pin 17-IC7125 to earth.
Set C2212 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-4 The 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). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 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.

b-5 SECAM identification

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.
Adjust L5190 to maximum DC level.
Remove the interconnection.

b-6 SECAM demodulators

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 L5175, set the DC level during the scan equal to the DC level during the flyback.
In the same way set L5170, but now measure at pin 3-IC7125.
Remove the interconnection.

6. Adjustments in the service menu

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 9).
In the Service Mode the following menu appears in the picture:

SERVICE YY-MM-DD
a option 1 xxx
b option 2 xxx
c green xxx
d blue xxx

In this menu "YY-MM-DD" is the release date of the software which is present in the set. The desired adjustment can be selected with the aid of menu keys a, b or c on the remote control.
When the "PP store" key on the local keyboard is pressed, the adjusted values are stored in the memory and the Service Mode is left.

6.1 White balance

Connect a pattern generator and choose a white picture.
- Select c (green) or d (blue)
- Using P +/- adjust the values of green ("GREEN") and blue ("BLUE") until the desired white balance has been reached.
  Store the selected value by pressing the "PP store" key on the local keyboard.

6.2 Options

The control unit used in this set has been prepared for operation of all the functions possible with this set. For correct operation, however, the control unit has to "know" the functions/features located in the set. This is done with a so-called option code.

A number is allocated to each function. The possible functions are shown with their respective numbers in the tables alongside.

Optioncode 1
The numbers of the functions shown in the table have to be added to each other. The total forms the number for option code 1.

For example, a set has:

Function	*Number*
Front-end FQ618/ME/IF	2
A PIP module	8
A NICAM module	64
	--- +
Optioncode 1 now becomes	**74**

Option code 2
The number of the functions shown in the table have to be added to each other. The total forms the number for option code 2.

For example, a set has:

Function	*Number*
100 Hz high-end box	4
Scandinavian languages	8
	--- +
Option code 2 now becomes	**12**

The option codes are set as follows:

- Select a: option 1
- Using P +/- set the desired option number.
- Store the value chosen by pressing the **"PP store"** ke on the local keyboard.

These option codes are software adaptations. If the set ha to be equipped for these features, the necessary hardwa has also to be fitted.

Optioncode 1	
Nbr.	**Function**
0	**Front end = FE816/IF** A reception of PAL BG or PAL BG and SECAM BG is now possible.
1	**Front end = FE844** Only reception of the UHF band is now possible.
2	**Front end = FE816/ME/IF** Reception of SECAM L but not of SECAM L' is now possible (reception of NTSC-M is now usually also possible).
4	**Front end = FE816/MF/IF** Reception of both SECAM L and SECAM L' is now possible (NTSC M reception is generally possible now via the Euroconnector).
8	**PIP module fitted** This makes it possible to show PIP (Picture In Picture) displays.
16	**NTSC-M reception possible** This is normally always in combination with front end FE816/ME/IF or FE816/MF/IF.
32	**SECAM DK module fitted** In this case transmissions using the SECAM DK system can also be received.
64	**NICAM module fitted** In this case the digital sound with NICAM transmission can be received. Check that the IC is used at position 7145 (PCF8574 or PCF8574A) in connection with number 16 in option code 2.
128	**Second front end for PIP fitted** If this second front end is fitted a second transmitter can be displayed in the PIP picture. The PIP function (number 8) still applies. Since IC-PCF8574A is now probably used in position 7145 on the NICAM module, number 16 in option code 2 will apply.

Optioncode 2	
Nbr.	**Function**
4	**100 Hz High-end box fitted** This will always be the case.
8	**Scandinavian languages** This enables the use of Scandinavian languages to be selected in the operation menus.
16	**NICAM with PCF8574A** If the PCF8574A is used instead of the PCF8574 on the NICAM panel at position 7145. This is always the case in sets with a second front end for PIP.

Repair tips

1. The Service Default Mode

The FL1.2 is equipped with a service default mode. The service default mode is a fixed, definite state to which the set can be switched.

1.1 Definition state

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

- all sound and picture controls are in the central position (exception volume which is turned down)
- tuned to 475.25 MHz
- system:
  * PAL/SECAM BG for Multi Europe
  * PAL I for UK
  * SECAM L for Multi French

1.2 Switch on and off

The service default mode is switched on by shorting pins S24 and S25 on the small signal panel.

The service default mode can only be switched off by switching the set to stand-by. If the set is switched off and then on again using the mains switch or the mains plug, the service default mode will remain on.

If the set switches to stand-by immediately after switching-on, the set cannot be operated and also cannot be switched to the service default mode. The child-proof lock has already been activated. To deactivate the child-proof lock the following series of commands has to be given using the remote control (see also Section 9):
<MENU> - <BLUE> - <RED> - <MENU + > - <MENU OFF>

1.3 Fault signals

To indicate that the set is in the service default mode, the following is displayed on the screen:

SERVICE 00 00 05 06 05

The five numbers after the word "service" stand for the last five fault signals noted by the operator(s). The number on the extreme right represents the last fault signal, that on the extreme left the last fault signal but 4.
Since this enables fault reports to be looked at afterward, it means that intermittent faults can be traced.
When the set leaves the service default mode, the fault-report memory is cleared.

1.4 Operation

During the service default mode the set will accept all operating commands. When, however, the set is switched off and on, it will return to the state as defined above.

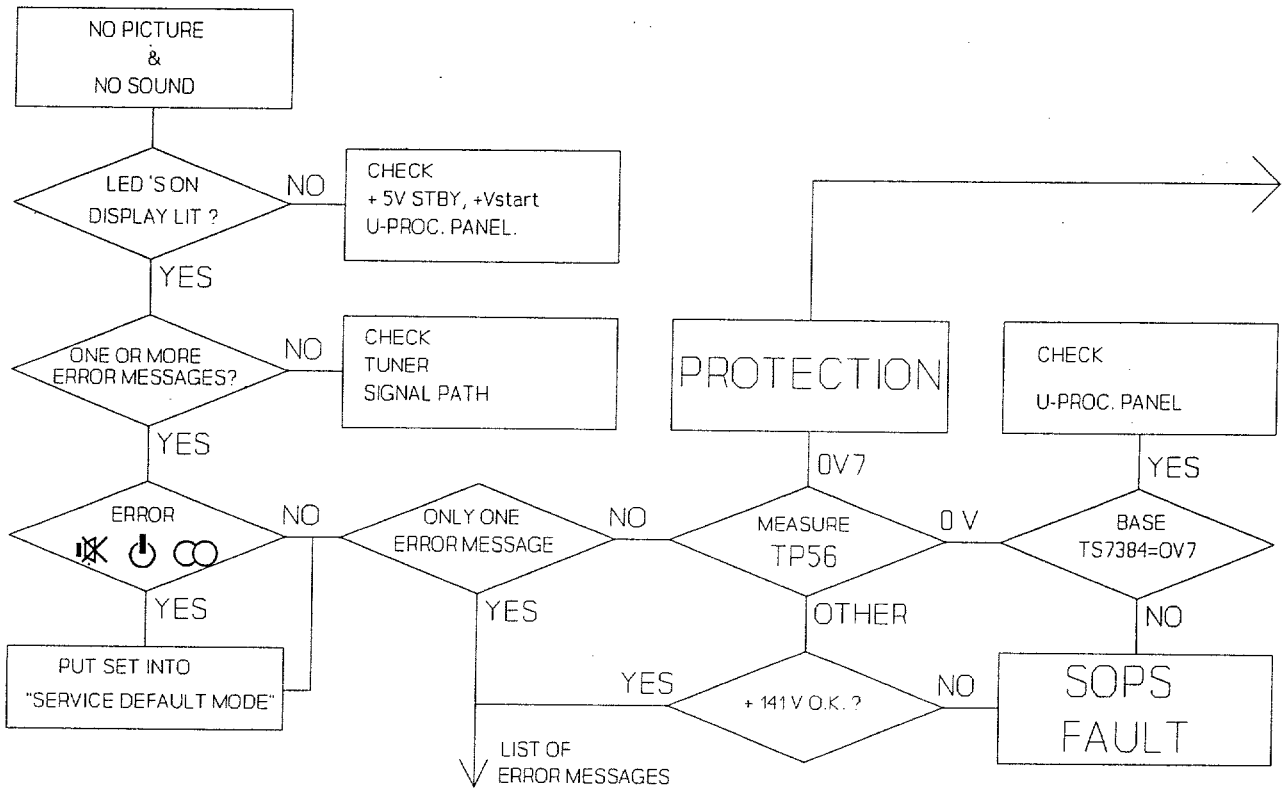
2. Software protection

If it is observed by the control that the front end has ceased to give an I²C response, or that IC7430, IC7600 and also IC 7680 are no longer giving any response, the set will switch to the protection mode since it will be assumed that the +5 V or the +13 V power-supply voltage is absent. This software protection device consists of a fault signal (LEDs ⏻ ◯◯ 🔇, code99) and the switching of the set to stand-by. To enable the fault to be traced, the set has now to be switched to the service default mode. The software protection system is then switched out of circuit.

3. Replacement of EEPROM IC7137

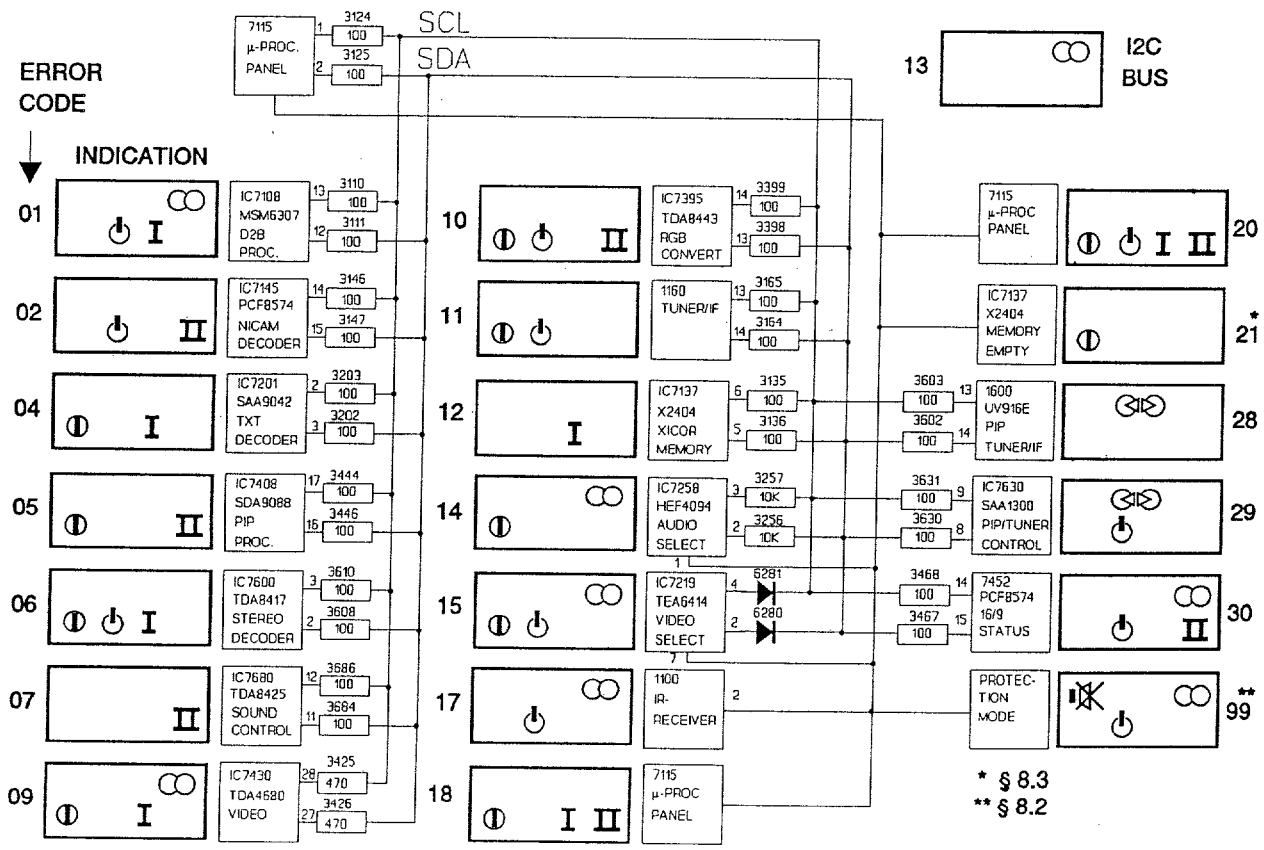
If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.
If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance and the other linear settings. These values, however, must all be checked and, if necessary, re-adjusted.
All options have also to be set, the programs installed and the personal preference set.

Faultfindingtree

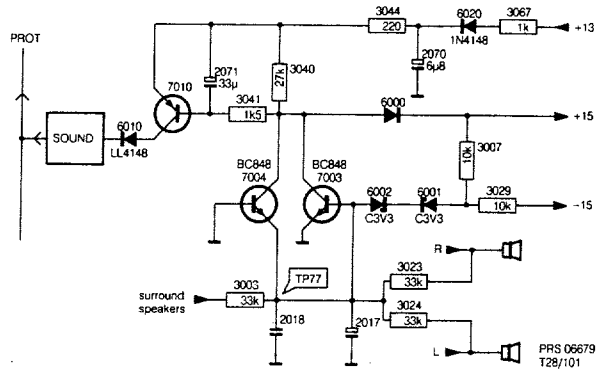


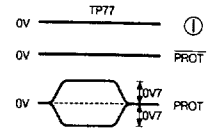
List of error messages

I²C Blockdiagram

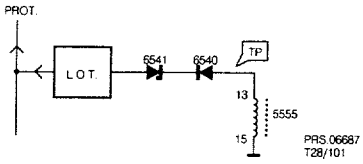


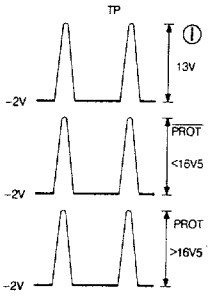
Protection

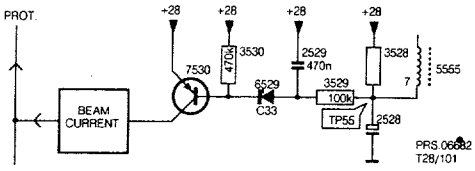


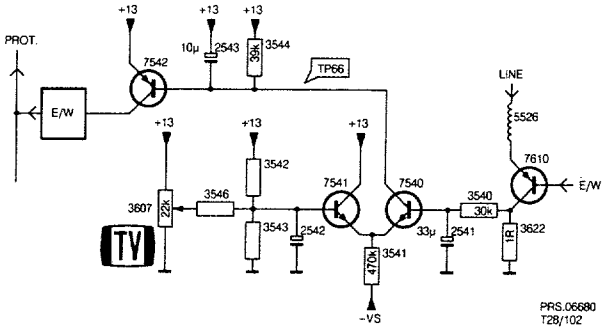


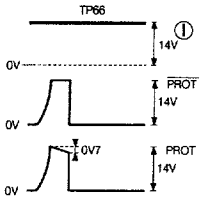
EHT

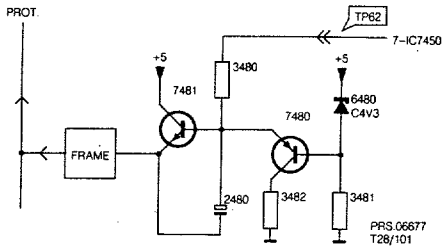


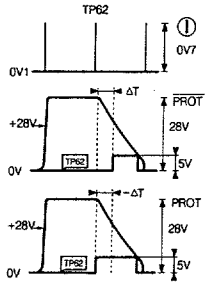




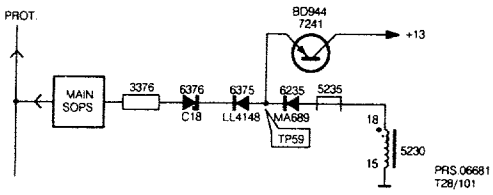


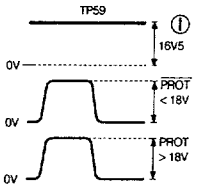






+V





Repair tips

4. Servicing of SMDs (Surface Mounted Devices)

4.1 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.

4.2 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.

4.3 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).

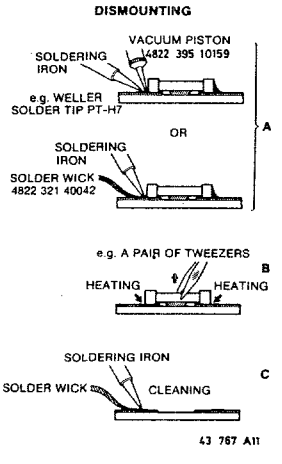


Fig. 8.1

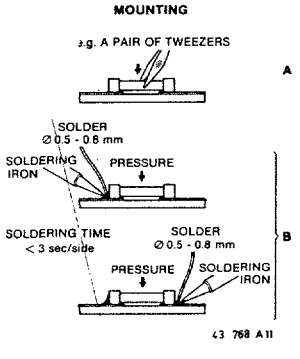


Fig. 8.2

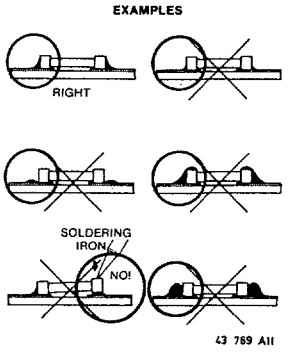
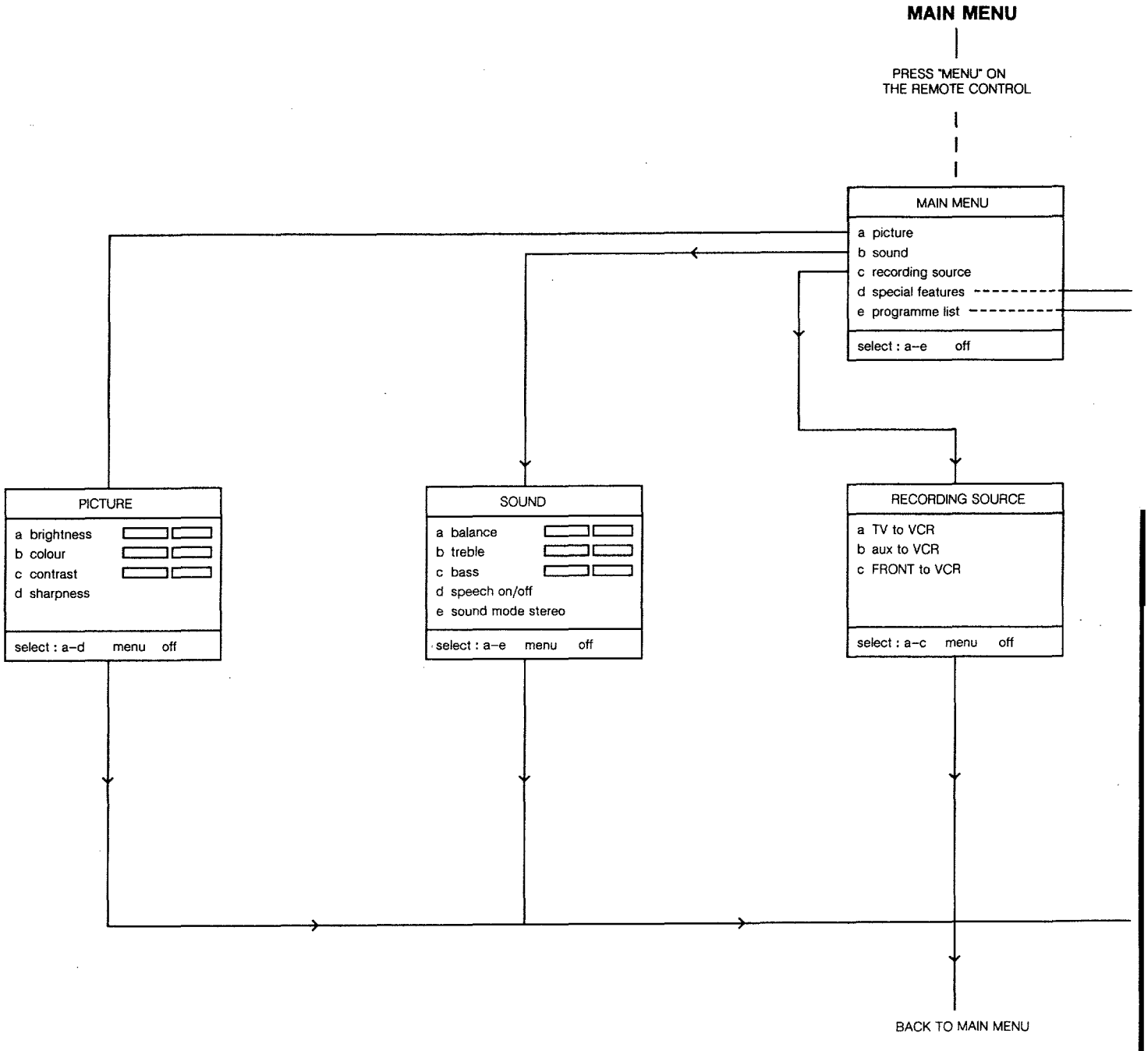


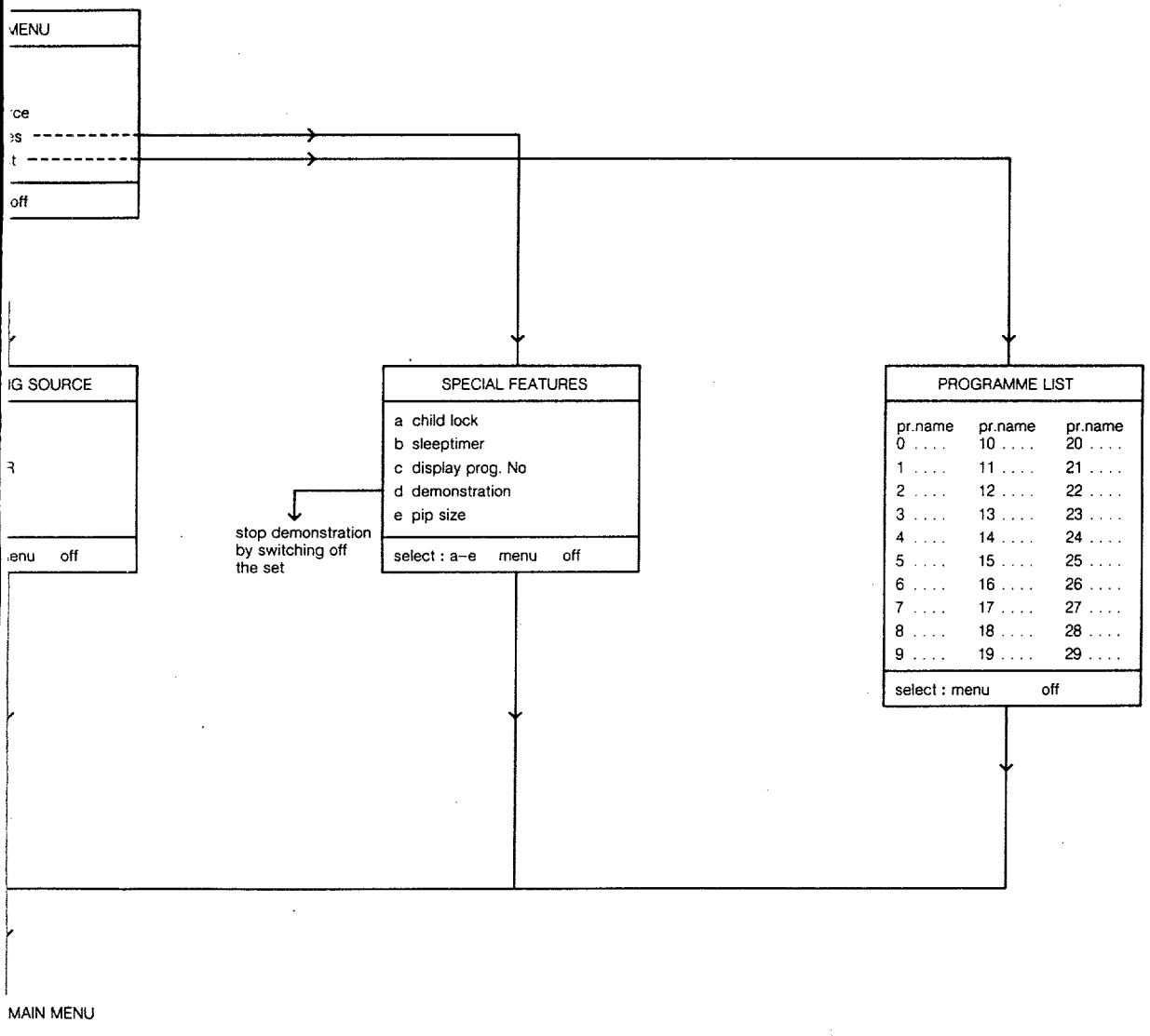
Fig. 8.3

Survey of menus



MENU

ENU" ON
E CONTROL



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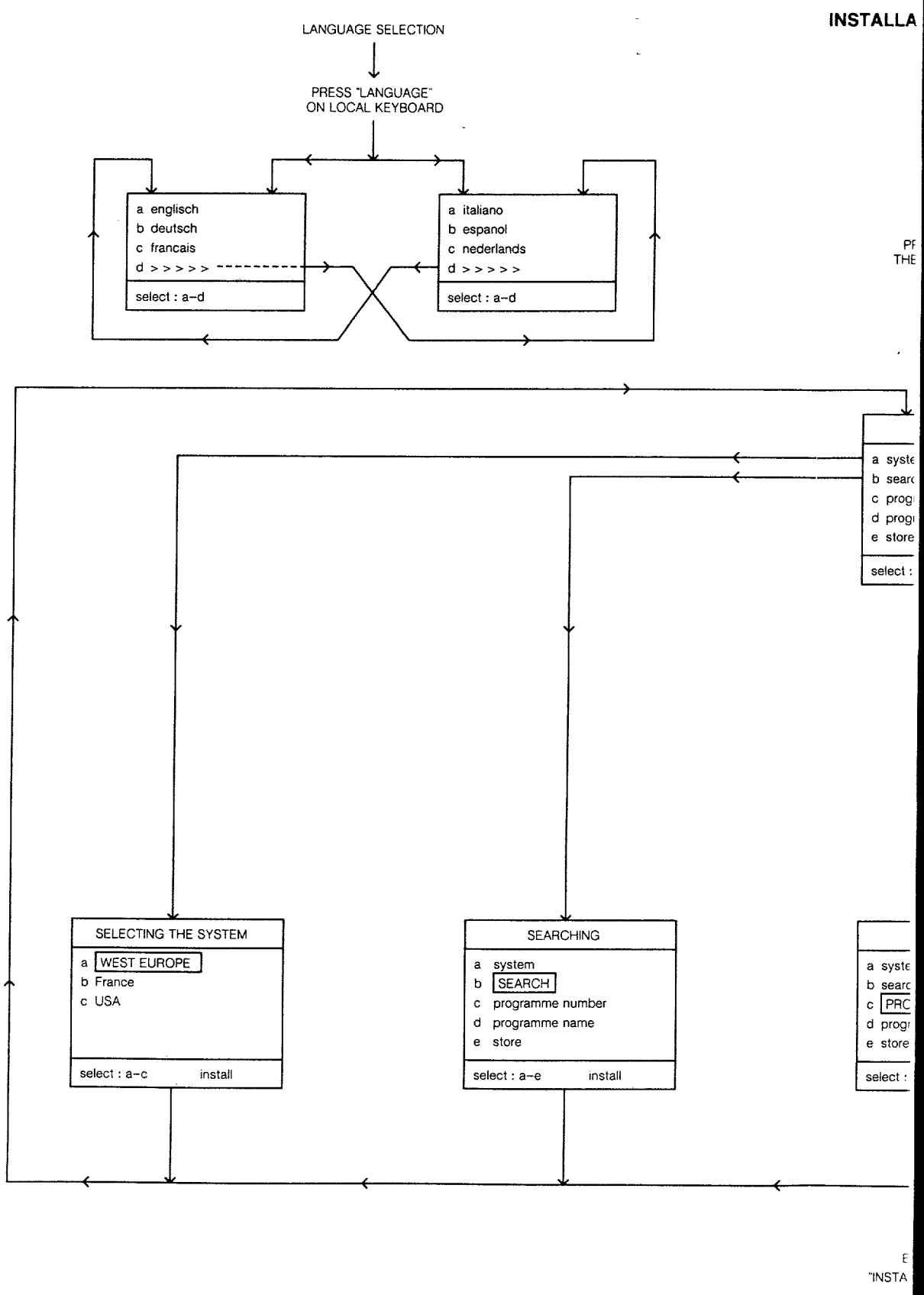
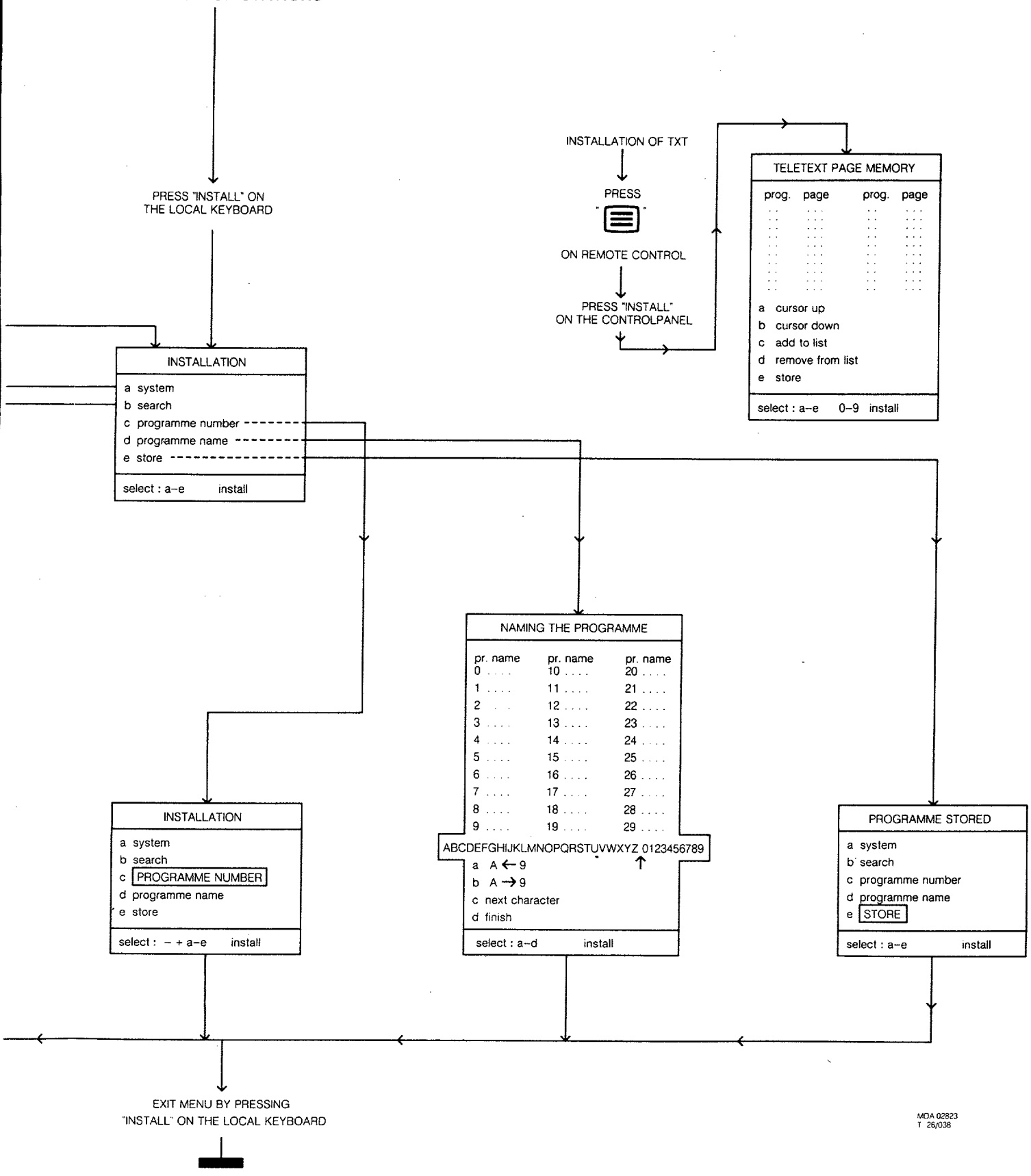
T-26/112

Survey of menus



INSTALLATION OF STATIONS



MOA 02823
T 26/038

Large signal panel A B G

	4822 265 40469	6P female gold plated
	4822 265 40472	10P female gold plated
	4822 290 40295	7P male
	4822 265 40442	10P male
	4822 265 20509	2P male grey
	4822 267 40985	6P male
	4822 265 30525	2P male
	4822 264 40207	3P male
	4822 265 30389	2P male
	4822 265 30389	2P male
	4822 265 40596	2P male
	4822 265 20509	2P male grey
	4822 267 50591	6P male gold plated
	4822 264 50149	10P male gold plated
	4822 265 30389	2P male
	4822 265 30389	2P male
	4822 264 40207	3P male

Various parts

	4822 466 93029	insulating plate
	4822 466 92359	insulating plate
	4822 492 70143	spring for 7216
	4822 492 62076	spring for 7000 and 7001
	4822 492 70788	spring for 7011
	4822 492 70789	spring fix transistor
	4822 492 70789	spring fix transistor
	4822 492 70789	spring fix transistor
	4822 492 70789	spring fix transistor
	4822 492 70789	spring fix transistor
	4822 492 70789	spring fix transistor
	4822 492 70789	spring fix transistor
	4822 492 70789	spring fix transistor
	4822 492 70789	spring fix transistor
	4822 276 12998	mains switch
	4822 256 30274	fuse holder
	4822 290 60812	socket for ext. loudspeakers
	4822 267 20417	socket for squeeters
	4822 276 13094	switch loudsp. ON/OFF
1200	4822 070 33152	fuse T3.15A
1250	4822 071 52501	fuse T0,25A

⊣⊢

2000	5322 122 33062	270pF 10% 500V
2001	4822 122 31784	4,7nF 10% 50V
2002	4822 122 31784	4,7nF 10% 50V
2003	4822 126 11175	22pF 5% 50V
2008	4822 122 31797	22nF 10% 63V
2009	4822 126 11175	22pF 5% 50V
2011	4822 122 31775	680pF 5% 50V
2012	4822 122 32927	220nF
2013	4822 122 32927	220nF
2015	4822 124 42109	22µF 10% 50V
2016	4822 124 42109	22µF 10% 50V
2018	4822 122 31797	22nF 10% 63V
2019	4822 122 31414	10nF 100V
2020	4822 122 31414	10nF 100V
2021	4822 122 31414	10nF 100V
2022	4822 122 31414	10nF 100V

⊣⊢

2023	5322 122 33446	3,3nF 10% 63V
2024	5322 122 33446	3,3nF 10% 63V
2026	4822 122 32927	220nF
2027	4822 122 32927	220nF
2028	4822 122 32927	220nF
2029	4822 122 32927	220nF
2030	4822 126 11175	22pF 5% 50V
2031	4822 126 11175	22pF 5% 50V
2032	4822 122 31797	22nF 10% 63V
2035	4822 122 31775	680pF 5% 50V
2038	4822 122 31644	2,2nF 10% 63V
2040	4822 122 32927	220nF
2041	4822 122 32927	220nF
2042	4822 122 32927	220nF
2043	4822 122 32927	220nF
2044	4822 122 32927	220nF
2045	4822 122 32927	220nF
2046	4822 122 32927	220nF
2047	4822 122 32927	220nF
2050	4822 124 42108	33µF 20% 16V
2051	4822 124 42108	33µF 20% 16V
2052	4822 124 42108	33µF 20% 16V
2053	4822 124 42108	33µF 20% 16V
2056	4822 122 31773	560pF 5% 50V
2057	4822 122 31773	560pF 5% 50V
2058	4822 122 31773	560pF 5% 50V
2059	4822 122 31773	560pF 5% 50V
2060	4822 122 32142	270pF 5% 63V
2061	4822 122 32142	270pF 5% 63V
2065	4822 126 11156	684nF 20%
2066	4822 126 11156	684nF 20%
2070	4822 124 40272	33µF 20% 16V
2071	4822 124 42184	33µF 20% 25V
2072	4822 124 40178	100µF 20% 10V
2073	4822 124 21212	15µF 20% 40V
2074	5322 122 31647	1nF 10% 63V
2200	4822 121 43819	680nF 10% 250V
2203	4822 121 40487	100nF 10% 400V
2214	4822 124 23492	220µF 50% 385V
2215	4822 122 33665	3,3nF 20% 125V
2216	4822 126 10202	1,5nF 10% 2KV
2231	4822 122 32585	470pF 10% 500V
2232	4822 124 40738	330µF 20% 25V
2233	4822 122 32585	470pF 10% 500V
2234	4822 124 40738	330µF 20% 25V
2235	4822 122 32585	470pF 10% 500V
2237	4822 122 33708	2,2nF 10% 1KV
2238	4822 124 22583	47µF 160V
2239	4822 124 40193	68µF 20% 16V
2240	4822 124 42183	1000µF 20% 63V
2254	4822 126 11496	120pF 5% 2KV
2255	4822 122 32142	270pF 5% 63V
2258	5322 121 42502	390nF 5% 63V
2260	4822 122 31727	470pF 5% 63V
2261	5322 124 21189	100µF 20% 40V
2262	4822 122 31727	470pF 5% 63V
2263	4822 124 40849	330µF 20% 16V
2270	4822 124 40178	100µF 20% 10V
2272	4822 122 33496	100nF 10% 63V
2302	4822 122 31765	100pF 5% 50V
2303	4822 122 31808	150pF 10% 50V
2308	4822 122 32891	68nF 10% 63V
2321	4822 121 43047	1µF 10% 63V
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF +-0,5pF 50V
2361	4822 121 42589	82nF 5% 63V

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2365	5322 122 32838	82nF 10% 63V
2372	5322 121 42502	390nF 5% 63V
2376	4822 124 40272	33µF 20% 16V
2380	4822 122 33496	100nF 10% 63V
2381	4822 122 33496	100nF 10% 63V
2382	4822 122 33496	100nF 10% 63V
2386	5322 122 31647	1nF 10% 63V
2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41577	4,7µF 20% 50V
2403	4822 124 41678	22µF 20% 25V
2404	4822 124 41577	4,7µF 20% 50V
2405	4822 122 32542	47nF 10% 63V
2406	4822 121 51091	1,2nF 2% 250V
2407	5322 122 31647	1nF 10% 63V
2408	4822 122 31172	180pF 10% 500V
2409	4822 122 31797	22nF 10% 63V
2410	4822 121 41854	150nF 5% 63V
2411	4822 121 41854	150nF 5% 63V
2412	4822 122 31173	220pF 10% 500V
2413	4822 122 31768	180pF 5% 50V
2415	4822 122 32542	47nF 10% 63V
2416	4822 122 33496	100nF 10% 63V
2417	4822 122 32808	1,2nF 10% 63V
2418	4822 122 31797	22nF 10% 63V
2419	4822 124 40849	330µF 20% 16V
2450	4822 122 32442	10nF 50V
2451	4822 122 31746	1000pF 5% 50V
2452	4822 124 41716	220µF 20% 35V
2455	4822 122 31746	1000pF 5% 50V
2456	4822 124 42264	4700µF 20% 25V
2457	4822 124 42249	2,2µF 10% 50V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 32891	68nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2480	4822 124 23495	10µF 20% 25V
2502	4822 121 41689	100nF 10% 250V
2503	4822 126 11823	270pF 10% 500V
2504	4822 126 11539	1,2nF 10% 2KV
2507	4822 121 41673	220nF 10% 100V
2509	4822 122 40112	560pF 20% 500V
2510	4822 126 11494	2,2nF 10% 500V
2511	4822 124 41739	47µF 20% 160V
2512	4822 124 40435	10µF 20% 50V
2513	4822 124 40435	10µF 20% 50V
2517	4822 126 11157	470pF 10% 500V
2518	4822 124 22449	4,7µF 30% 350V
2519	4822 124 41831	1µF 20% 160V
2520	4822 121 43397	680nF 5% 250V
2521	4822 121 43397	680nF 5% 250V
2522	4822 121 43397	680nF 5% 250V
2523	5322 121 41603	10nF 5% 2KV
2524	4822 121 70006	18nF 5% 630V
2525	4822 124 22347	47µF 20% 50V
2526	4822 126 11502	470pF 10% 500V
2527	4822 121 70005	15nF 5% 630V
2529	4822 124 23491	0,47µF 20% 50V
2530	4822 122 31797	22nF 10% 63V
2531	4822 121 40516	22nF 10% 250V
2533	5322 122 32818	2,2nF 10% 100V
2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000µF 20% 35V
2536	4822 126 11157	470pF 10% 500V
2537	4822 124 40184	1000µF 20% 10V
2541	4822 124 42184	33µF 20% 25V
2542	4822 124 22466	1µF 20% 50V
2543	4822 124 23495	10µF 20% 25V
2544	4822 124 41525	100µF 20% 25V
2546	4822 122 33496	100nF 10% 63V

Large signal panel (continued)

2547	4822 122 32566	3,9nF 10% 63V
2548	4822 124 22466	1µF 20% 50V
2551	4822 124 40195	150µF 20% 16V
2600	4822 124 41577	4,7µF 20% 50V
2605	4822 122 31781	1500pF 10% 50V
2606	4822 122 31797	22nF 10% 63V
2609	5322 121 42386	100nF 5% 63V
2610	4822 124 41576	2,2µF 20% 50V
2611	4822 124 41577	4,7µF 20% 50V
2612	4822 124 41577	4,7µF 20% 50V
2613	4822 122 31784	4,7nF 10% 50V
2615	4822 122 33498	2,7nF 10% 63V
2626	4822 122 32153	1,8nF 10% 63V
2801	4822 122 32153	1,8nF 10% 63V
2805	4822 124 40435	10µF 20% 50V
2806	4822 122 31797	22nF 10% 63V

3000	4822 051 10912	9k1 2% 0,25W
3001	4822 051 10912	9k1 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10104	100k 2% 0,25W
3006	4822 051 10204	200k 2% 0,25W
3009	4822 051 10204	200k 2% 0,25W
3011	4822 051 10203	20k 2% 0,25W
3012	4822 051 10203	20k 2% 0,25W
3013	4822 116 52268	300k 5% 0,5W
3014	4822 116 52268	300k 5% 0,5W
3016	4822 052 10828	8Ω2 5% 0,33W
3021	4822 052 10828	8Ω2 5% 0,33W
3022	4822 052 10828	8Ω2 5% 0,33W
3027	4822 051 10103	10k 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 051 10123	12k 2% 0,25W
3030	4822 051 10123	12k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10102	1k 2% 0,25W
3033	4822 116 52244	15k 5% 0,5W
3034	4822 051 10472	4k7 2% 0,25W
3035	4822 051 10153	15k 2% 0,25W
3036	4822 051 10152	1k5 2% 0,25W
3037	4822 051 10152	1k5 2% 0,25W
3040	4822 051 10273	27k 2% 0,25W
3041	4822 051 10152	1k5 2% 0,25W
3043	4822 051 10203	20k 2% 0,25W
3044	4822 051 10221	220Ω 2% 0,25W
3049	4822 051 10102	1k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3051	4822 051 10203	20k 2% 0,25W
3052	4822 051 10472	4k7 2% 0,25W
3053	4822 051 10472	4k7 2% 0,25W
3054	4822 110 42205	4M7 5% 0,5W
3060	4822 051 10203	20k 2% 0,25W
3065	4822 051 10184	180k 2% 0,25W
3066	4822 051 10184	180k 2% 0,25W
3067	4822 116 52299	7k5 5% 0,5W
3068	4822 116 52207	1k2 5% 0,5W
3069	4822 051 10752	7k5 2% 0,25W
3072	4822 051 10479	47Ω 2% 0,25W
3073	4822 051 10223	22k 2% 0,25W
3074	4822 051 10103	10k 2% 0,25W
3201	4822 110 42205	4M7 5% 0,5W
3202	4822 110 42205	4M7 5% 0,5W
3204	4822 116 40215	NTC/PTC
3209	4822 113 80575	1Ω5 10% 5W
3210	4822 116 52239	120k 5% 0,5W
3211	4822 116 52239	120k 5% 0,5W
3212	4822 116 52234	100k 5% 0,5W

3213	4822 051 10823	82k 2% 0,25W
3216	4822 115 90309	56Ω 10% 5W
3239	4822 116 52297	68k 5% 0,5W
3240	4822 116 52297	68k 5% 0,5W
3241	4822 113 80572	2Ω 2 10% 5W
3242	4822 051 10122	1k2 2% 0,25W
3243	4822 116 52226	560Ω 5% 0,5W
3244	4822 051 10151	150Ω 2% 0,25W
3245	4822 116 52226	560Ω 5% 0,5W
3247	4822 051 20222	2k2 5% 0,1W
3248	4822 051 20222	2k2 5% 0,1W
3249	4822 116 52258	220k 5% 0,5W
3250	4822 116 52198	62Ω 5% 0,5W
3251	4822 051 10102	1k 2% 0,25W
3252	4822 116 52258	220k 5% 0,5W
3253	4822 116 82738	10k 10%
3255	4822 116 52243	1k5 5% 0,5W
3266	4822 051 10151	150Ω 2% 0,25W
3267	4822 051 10101	100Ω 2% 0,25W
3268	4822 053 11689	68Ω 5% 2W
3270	4822 051 10118	1Ω1 5% 0,25W
3271	4822 053 10399	39Ω 5% 1W
3272	4822 116 90536	120Ω 1% 0,125W
3273	4822 051 10472	4k7 2% 0,25W
3274	4822 051 10102	1k 2% 0,25W
3275	4822 116 52206	120Ω 5% 0,5W
3300	4822 053 10753	75k 5% 1W
3304	4822 051 10473	47k 2% 0,25W
3305	4822 051 10332	3k3 2% 0,25W
3306	4822 051 10823	82k 2% 0,25W
3308	4822 053 12151	150Ω 5% 3W
3309	4822 051 10103	10k 2% 0,25W
3310	4822 116 52184	18Ω 5% 0,5W
3311	4822 051 10471	470Ω 2% 0,25W
3312	4822 051 10101	100Ω 2% 0,25W
3313	4822 116 52184	18Ω 5% 0,5W
3314	4822 116 52223	430Ω 5% 0,5W
3315	4822 116 52223	430Ω 5% 0,5W
3317	4822 051 10682	6k8 2% 0,25W
3320	4822 051 10471	470Ω 2% 0,25W
3321	4822 051 10471	470Ω 2% 0,25W
3322	4822 051 10471	470Ω 2% 0,25W
3331	4822 116 52267	30k 5% 0,5W
3332	4822 116 52233	10k 5% 0,5W
3351	4822 052 11279	27Ω 5% 0,5W
3356	4822 051 10751	750Ω 2% 0,25W
3357	4822 050 27871	787Ω 1% 0,6W
3358	4822 116 52183	16Ω 5% 0,5W
3360	4822 051 10122	1k2 2% 0,25W
3362	4822 051 10151	150Ω 2% 0,25W
3364	4822 051 10471	470Ω 2% 0,25W
3365	4822 051 10221	220Ω 2% 0,25W
3366	4822 051 10221	220Ω 2% 0,25W
3368	4822 116 52226	560Ω 5% 0,5W
3369	4822 116 52226	560Ω 5% 0,5W
3370	4822 051 10332	3k3 2% 0,25W
3371	4822 100 11348	1k 30% LIN
3372	4822 051 10561	560Ω 2% 0,25W
3374	4822 116 52301	75k 5% 0,5W
3375	4822 051 10242	2k4 2% 0,25W
3376	4822 116 52175	100Ω 5% 0,5W
3378	4822 051 10101	100Ω 2% 0,25W
3380	4822 051 10152	1k5 2% 0,25W
3381	4822 051 10152	1k5 2% 0,25W
3382	4822 051 10103	10k 2% 0,25W
3383	4822 051 10103	10k 2% 0,25W
3387	4822 051 10223	22k 2% 0,25W
3402	4822 051 10562	5k6 2% 0,25W

3403	4822 051 10229	22Ω 2% 0,25W
3404	4822 051 10182	1k8 2% 0,25W
3405	4822 051 10333	33k 2% 0,25W
3406	4822 100 11483	10k 30% 0,1W
3407	4822 051 10561	560Ω 2% 0,25W
3408	4822 051 10563	56k 2% 0,25W
3409	4822 116 52265	270k 5% 0,5W
3410	4822 100 11731	150k 30% 0,1W
3411	4822 051 10204	200k 2% 0,25W
3412	4822 051 10474	470k 2% 0,25W
3414	4822 051 10154	150k 2% 0,25W
3415	4822 100 11392	47k 30% LIN
3417	4822 116 52256	2k2 5% 0,5W
3418	4822 051 10201	200Ω 2% 0,25W
3419	4822 052 10279	27Ω 5% 0,33W
3421	4822 051 10152	1k5 2% 0,25W
3422	4822 105 11023	1k 30% 0,1W
3424	4822 051 10201	200Ω 2% 0,25W
3426	4822 051 10331	330Ω 2% 0,25W
3428	4822 051 10333	33k 2% 0,25W
3429	4822 116 52205	1k1 5% 0,5W
3430	4822 116 52224	470Ω 5% 0,5W
3438	4822 116 52205	1k1 5% 0,5W
3439	4822 111 90368	680k 2% 0,125W
3440	4822 051 10163	16k 2% 0,25W
3441	4822 116 52293	6k2 5% 0,5W
3442	4822 051 10332	3k3 2% 0,25W
3443	4822 051 10223	22k 2% 0,25W
3444	4822 051 10103	10k 2% 0,25W
3448	4822 116 52233	10k 5% 0,5W
3450	4822 051 10562	5k6 2% 0,25W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 053 10181	180Ω 5% 1W
3455	4822 051 10471	470Ω 2% 0,25W
3456	4822 051 10114	110k 2% 0,25W
3457	4822 051 10822	8k2 2% 0,25W
3458	4822 116 83332	1Ω1 5% 0,5W
3459	4822 116 80176	1Ω 5% 0,5W
3460	4822 053 12181	180Ω 5% 3W
3461	4822 116 80176	1Ω 5% 0,5W
3462	4822 116 80176	1Ω 5% 0,5W
3463	5322 116 82222	1Ω2 5% 0,5W
3464	4822 053 10271	270Ω 5% 1W
3465	4822 051 10681	680Ω 2% 0,25W
3467	4822 100 20166	10k 30% LIN
3468	4822 053 12181	180Ω 5% 3W
3473	4822 051 10109	10Ω 2% 0,25W
3479	4822 051 10683	68k 2% 0,25W
3480	4822 116 52234	100k 5% 0,5W
3481	4822 051 10102	1k 2% 0,25W
3482	4822 051 10229	22Ω 2% 0,25W
3484	4822 051 10224	220k 2% 0,25W
3485	4822 051 10102	1k 2% 0,25W
3500	4822 116 80176	1Ω 5% 0,5W
3501	4822 116 52274	36k 5% 0,5W
3502	4822 116 52306	9k1 5% 0,5W
3503	4822 116 52306	9k1 5% 0,5W
3504	4822 116 52176	10Ω 5% 0,5W
3505	4822 116 52229	750Ω 5% 0,5W
3506	4822 053 11108	1Ω 5% 2W
3507	4822 116 52184	18Ω 5% 0,5W
3508	4822 116 83003	1k5 10% 5W
3509	4822 053 20104	100k 5% 0,25W
3510	4822 053 10681	680Ω 5% 1W
3511	4822 053 11128	1Ω2 5% 2W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 11319	4k7 30% LIN
3514	4822 116 52197	56Ω 5% 0,5W

Large signal panel (continued)

3515	4822 052 10108	1Ω 5% 0,33W
3516	4822 052 10108	1Ω 5% 0,33W
3517	4822 052 11108	1Ω 5% 0,5W
3518	4822 116 52267	30k 5% 0,5W
3519	4822 116 52267	30k 5% 0,5W
3520	4822 052 11911	910Ω 5% 0,5W
3521	4822 052 11911	910Ω 5% 0,5W
3522	4822 053 12279	27Ω 5% 3W
3523	4822 116 52233	10k 5% 0,5W
3524	4822 116 52176	10Ω 5% 0,5W
3525	4822 116 52207	1k2 5% 0,5W
3526	4822 116 52306	9k1 5% 0,5W
3527	4822 051 10102	1k 2% 0,25W
3528	4822 116 52229	750Ω 5% 0,5W
3529	4822 051 10104	100k 2% 0,25W
3530	4822 051 10474	470k 2% 0,25W
3531	4822 116 52274	36k 5% 0,5W
3532	4822 116 52213	180Ω 5% 0,5W
3533	4822 116 52213	180Ω 5% 0,5W
3534	4822 053 11128	1Ω2 5% 2W
3535	4822 053 11128	1Ω2 5% 2W
3536	4822 053 10331	330Ω 5% 1W
3537	4822 116 52197	56Ω 5% 0,5W
3538	4822 050 28202	8k2 1% 0,6W
3539	4822 052 10108	1Ω 5% 0,33W
3540	4822 116 52267	30k 5% 0,5W
3541	4822 116 52272	330k 5% 0,5W
3542	4822 051 10104	100k 2% 0,25W
3543	4822 051 10242	2k4 2% 0,25W
3544	4822 051 10393	39k 2% 0,25W
3545	4822 116 52208	130Ω 5% 0,5W
3546	4822 051 10104	100k 2% 0,25W
3547	4822 051 10109	10Ω 2% 0,25W
3548	4822 051 10392	3k9 2% 0,25W
3549	4822 051 10124	120k 2% 0,25W
3550	4822 051 10132	1k3 2% 0,25W
3551	4822 051 10151	150Ω 2% 0,25W
3552	4822 116 52207	1k2 5% 0,5W
3553	4822 116 52207	1k2 5% 0,5W
3556	4822 053 11108	1Ω 5% 2W
3558	4822 051 10109	10Ω 2% 0,25W
3560	4822 113 80453	6Ω8 10% 5W
3561	5322 116 81141	820Ω 5%
3562	5322 116 80434	2k2 1% 0,125W
3563	4822 116 52175	100Ω 5% 0,5W
3564	4822 051 10569	56Ω 2% 0,25W
3570	4822 116 52207	1k2 5% 0,5W
3601	4822 051 10104	100k 2% 0,25W
3602	4822 100 11213	22k 30% LIN
3603	4822 051 10163	16k 2% 0,25W
3604	4822 051 10624	620k 2% 0,25W
3605	4822 051 10203	20k 2% 0,25W
3606	4822 051 10223	22k 2% 0,25W
3607	4822 100 11213	22k 30% LIN
3608	4822 051 10103	10k 2% 0,25W
3609	4822 051 10473	47k 2% 0,25W
3610	4822 051 10472	4k7 2% 0,25W
3611	4822 116 52256	2k2 5% 0,5W
3612	4822 116 52283	4k7 5% 0,5W
3613	4822 051 10202	2k 2% 0,25W
3614	4822 116 52249	1k8 5% 0,5W
3615	4822 116 52224	470Ω 5% 0,5W
3616	4822 051 10332	3k3 2% 0,25W
3617	4822 051 20222	2k2 5% 0,1W
3618	4822 051 10683	68k 2% 0,25W
3619	4822 051 20222	2k2 5% 0,1W
3620	4822 051 10622	6k2 2% 0,25W
3621	4822 051 10114	110k 2% 0,25W

3622	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 80176	1Ω 5% 0,5W
3626	4822 051 10204	200k 2% 0,25W
3627	4822 051 10202	2k 2% 0,25W
3628	4822 051 10104	100k 2% 0,25W
3629	4822 051 10624	620k 2% 0,25W
3630	4822 051 10103	10k 2% 0,25W
3631	4822 116 52233	10k 5% 0,5W
3632	4822 051 10134	130k 2% 0,25W
3633	4822 051 10102	1k 2% 0,25W
3800	4822 116 52289	5k6 5% 0,5W
3801	4822 051 10184	180k 2% 0,25W
3802	4822 051 10104	100k 2% 0,25W
3803	4822 051 20222	2k2 5% 0,1W
3804	4822 051 10103	10k 2% 0,25W
3805	4822 111 41424	22Ω 5% 0,3W
3806	4822 051 20222	2k2 5% 0,1W
3807	4822 116 52256	2k2 5% 0,5W
3809	4822 051 10104	100k 2% 0,25W
3810	4822 050 11002	1k 1% 0,4W

Jumper

4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4004	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4074	4822 051 10008	0Ω 5% 0,25W
4200	4822 051 10008	0Ω 5% 0,25W
4400	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4406	4822 051 10008	0Ω 5% 0,25W
4407	4822 051 10008	0Ω 5% 0,25W
4408	4822 051 10008	0Ω 5% 0,25W
4409	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4511	4822 051 10008	0Ω 5% 0,25W
4512	4822 051 10008	0Ω 5% 0,25W
4601	4822 051 10008	0Ω 5% 0,25W
4802	4822 051 10008	0Ω 5% 0,25W
4803	4822 051 10008	0Ω 5% 0,25W
4804	4822 051 10008	0Ω 5% 0,25W

5204	4822 157 63508	18µH
5230	4822 148 81192	SOPS
5237	4822 526 10494	ferrite bead
5241	4822 157 62412	27µH 10%5K
5255	4822 146 30955	transf. assy CU15B20
5260	4822 526 10494	ferrite bead
5308	4822 157 63302	150µH 10%
5310	4822 157 63301	1µH 15%
5381	4822 157 52265	100µH 10%
5503	4822 157 63252	LINE DRIVER
5505	4822 157 51588	0,82µH 20%
5506	4822 157 51588	0,82µH 20%
5507	4822 157 63506	coil
5510	4822 157 62886	33µH 10%8
5511	4822 157 52407	39µH 7,5%
5514	4822 157 63256	DC-SHIFT
5520	4822 157 63514	LINEARITY
5521	4822 157 63512	LINEARITY CORR.
5524	4822 526 10494	ferrite bead
5525	4822 157 52392	27µH 10%

5526	4822 157 63513	EAST-WEST
5527	4822 157 63493	1,5µH 20%
5534	4822 158 10551	27µH 7,5%
5543	4822 157 62412	27µH 10%
5555	4822 140 10426	L.O.T.

6000	4822 130 80446	LL4148
6001	4822 130 80446	LL4148
6008	4822 209 73095	P4KE30C-7000
6010	4822 130 80446	LL4148
6011	4822 130 80446	LL4148
6012	4822 130 80446	LL4148
6016	4822 130 80446	LL4148
6021	4822 130 80446	LL4148
6201	4822 130 80446	LL4148
6210	4822 130 33887	GP15J-16
6211	4822 130 33887	GP15J-16
6212	4822 130 33887	GP15J-16
6213	4822 130 33887	GP15J-16
6216	4822 130 42606	BYD33J
6230	4822 130 33529	BY229F-200
6232	4822 130 33529	BY229F-200
6235	4822 130 81104	MA689
6237	4822 130 80572	RGP30J-L7004
6238	4822 130 80572	RGP30J-L7004
6246	4822 130 82347	LLZ-F6V8
6251	4822 130 80954	LLZ-C5V6
6260	4822 130 80446	LL4148
6262	4822 130 60778	BYD73B
6266	4822 130 34278	BZX79-F6V8
6272	4822 130 34173	BZX55-B5V6
6280	4822 130 30621	1N4148
6302	4822 130 80446	LL4148
6303	4822 130 80446	LL4148
6304	4822 130 80446	LL4148
6306	4822 130 34499	BZX79-C20
6308	4822 130 42488	BYD33D
6312	4822 130 42488	BYD33D
6315	4822 130 80446	LL4148
6319	4822 130 34173	BZX79-C5V6
6321	4822 130 80954	LLZ-C5V6
6331	4822 130 80446	LL4148
6349	4822 130 80446	LL4148
6350	4822 130 80446	LL4148
6351	4822 130 80446	LL4148
6352	4822 130 80446	LL4148
6353	4822 130 80446	LL4148
6355	4822 130 80446	LL4148
6356	4822 130 82345	LLZ-C22
6357	4822 130 80446	LL4148
6370	4822 130 81512	LLZ-C6V2
6371	4822 130 80446	LL4148
6372	4822 130 80446	LL4148
6373	4822 130 82583	LLZ-C9V1
6375	4822 130 80446	LL4148
6376	4822 130 80922	LLZ-C18
6402	4822 130 80446	LL4148
6403	4822 130 80446	LL4148
6404	4822 130 80446	LL4148
6417	4822 130 81223	LLZ-C2V4
6422	4822 130 80446	LL4148
6440	4822 130 30621	1N4148
6441	4822 130 80446	LL4148
6452	4822 130 42488	BYD33D
6480	4822 130 31554	BZX79-C4V3
6506	5322 130 32184	BYV27/50
6515	4822 130 42488	BYD33D

Large

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Large signal panel (continued)

6516	4822 130 42488	BYD33D
6517	4822 130 42488	BYD33D
6519	4822 130 32896	BYD33M
6520	4822 130 32896	BYD33M
6526	4822 130 33531	BY229F-600
6527	4822 130 82584	MUR10150E
6529	4822 130 34329	BZX79-C43
6530	4822 130 30842	BAV21
6534	4822 130 82758	BYV29F-300
6536	4822 130 33529	BY229F-200
6542	4822 130 42488	BYD33D
6546	4822 130 80446	LL4148
6547	4822 130 30621	1N4148
6551	4822 130 31981	BZX79-F3V9
6570	4822 130 31024	BZX79-C18
6611	4822 130 81027	LLZ-C11
6633	4822 130 81512	LLZ-C6V2
6801	4822 130 80446	LL4148
6802	5322 130 34337	BAV99
6803	4822 130 80446	LL4148
6804	4822 130 80446	LL4148

7000	4822 209 73311	TDA1521Q/N4
7001	4822 209 73311	TDA1521Q/N4
7002	4822 209 83163	LM833N
7003	4822 130 61207	BC848
7005	5322 130 42136	BC848C
7006	5322 130 42136	BC848C
7007	4822 130 61207	BC848
7008	4822 130 61207	BC848
7009	4822 209 83163	LM833N
7010	5322 130 42012	BC858
7011	4822 209 63913	TDA1521AQ/N4
7012	4822 130 61207	BC848
7013	4822 130 61207	BC848
7201	5322 130 42756	BC857C
7216	4822 130 60851	2SC3973B
7241	4822 130 61003	BD944F
7242	5322 130 41981	BC848A
7243	5322 130 41981	BC848A
7250	4822 130 62509	BUX85F
7251	4822 130 61207	BC848
7268	4822 130 44121	BC338
7270	4822 130 40823	BD135
7272	4822 130 61207	BC848
7273	4822 130 42513	BC858C
7305	5322 130 42136	BC848C
7311	4822 130 42513	BC858C
7312	4822 130 40982	BD437
7318	4822 130 42615	BC817-40
7320	4822 130 82034	CNX83A
7321	4822 130 62742	BD943F
7360	4822 130 42513	BC858C
7369	5322 130 42755	BC847C
7370	5322 130 42136	BC848C
7371	4822 130 42513	BC858C
7380	4822 130 42513	BC858C
7381	5322 130 42136	BC848C
7384	5322 130 42755	BC847C
7400	4822 209 30402	TDA2579B/N1/S1
7402	5322 130 42136	BC848C
7417	4822 130 42513	BC858C
7443	4822 130 61207	BC848
7444	4822 130 61207	BC848
7450	4822 209 30403	TDA3654Q/N3/S1
7451	5322 130 42012	BC858A

7469	4822 130 44283	BC636
7480	4822 130 42513	BC858C
7481	5322 130 42136	BC848C
7501	4822 130 42159	TBF819
7506	4822 130 62843	2SC4288A
7512	4822 130 41344	BC337-40
7513	4822 130 41327	BC327-40
7530	4822 130 61233	BC857
7540	5322 130 42755	BC847C
7541	5322 130 42755	BC847C
7542	5322 130 42756	BC857C
7543	4822 130 60136	BC856
7550	4822 130 61003	BD944F
7551	4822 130 62846	ON4590
7552	4822 130 62846	ON4590
7601	4822 130 61207	BC848
7602	5322 130 42012	BC858
7603	5322 130 42012	BC858
7608	4822 130 44503	BC547C
7610	4822 130 62845	BDT60F
7616	5322 130 42136	BC848C
7618	5322 130 42136	BC848C
7800	5322 209 10576	4053B
7801	4822 130 61207	BC848
7802	4822 130 61207	BC848

DAF panel B

	4822 265 20533	2P male
	4822 265 40596	2P male
	4822 267 41018	2P male
	4822 265 20509	2P male
2860	4822 126 11825	680pF 10% 2KV
3861	4822 051 10123	12k 2% 0,25W
5860	5322 150 31002	AT4043/67

Small signal panel C D F H

	4822 265 40252	7P male
	4822 267 50637	10P male
	4822 265 41113	7P
	4822 265 41114	9P
	4822 265 41086	9P male
	4822 265 41082	10P
	4822 290 40295	7P
	4822 267 40648	5P male gold plated
	4822 264 50149	10P male gold plated
	4822 264 40207	3P male
	4822 264 40207	3P male
	4822 264 50149	10P male gold plated
	4822 264 50149	10P male gold plated
	4822 264 50149	10P male gold plated
	4822 265 20512	2P
	4822 265 40442	10P male
	4822 265 40442	10P male
	4822 264 40207	3P male
	4822 264 40207	3P male
	4822 265 40442	10P male
	4822 265 40442	10P male
	4822 265 20509	2P
	4822 265 30828	5P male
	4822 265 30899	5P male

Various parts

	4822 267 60307	socket SVHS
	4822 267 60304	socket SCART + 4xCINCH
	4822 267 51058	socket SCART
	4822 267 51099	socket 2xCINCH + 1xSVHS
	4822 267 51098	socket HEADPH. + CINCH
	4822 218 20986	keyboard
	4822 267 60307	socket SVHS
	4822 255 40901	socket 40 POLE
1100	4822 212 23281	IR receiver
1160	4822 210 10409	FQ816ME/IF
1160	4822 210 10416	FQ816MF/IF
1160	4822 210 10412	FQ844
1231	4822 242 80364	filter 4,43MHz
1248	4822 242 80364	filter 4,43MHz
1379	4822 242 70736	crystal 7,159 090 MHz
1380	4822 242 70304	crystal 8,867 238 MHz
1602	4822 242 73857	crystal 10MHz

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2100	4822 124 40684	150µF 20% 6,3V
2114	4822 124 22606	68µF 20% 16V
2118	4822 122 31797	22nF 10% 63V
2119	4822 122 31797	22nF 10% 63V
2120	4822 122 32863	22nF 80% 50V
2121	5322 122 31647	1nF 10% 63V
2122	4822 122 32442	10nF 50V
2123	4822 126 11804	330nF
2130	4822 122 31797	22nF 10% 63V
2131	4822 124 22606	68µF 20% 16V
2132	4822 122 31797	22nF 10% 63V
2137	4822 122 32442	10nF 50V

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2138	4822 124 40193	68µF 20% 16V
2160	4822 124 40849	330µF 20% 16V
2161	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2166	4822 124 40684	150µF 20% 6,3V
2168	4822 122 32927	220nF
2169	4822 122 32442	10nF 50V
2170	4822 124 40195	150µF 20% 16V
2171	4822 122 32862	10nF 80% 50V
2172	4822 124 41506	47µF 20% 16V
2193	4822 122 32153	1,8nF 10% 63V
2194	4822 122 32153	1,8nF 10% 63V
2196	4822 124 22606	68µF 20% 16V
2197	4822 124 22606	68µF 20% 16V
2216	4822 122 31947	100nF 20% 63V
2219	4822 122 32927	220nF
2225	4822 124 41554	220µF 20% 10V
2226	4822 121 42408	220nF 5% 63V
2228	4822 122 32927	220nF
2234	4822 121 42408	220nF 5% 63V
2240	4822 122 32927	220nF
2241	4822 121 42408	220nF 5% 63V
2242	4822 124 40196	220µF 20% 16V
2243	4822 121 42408	220nF 5% 63V
2245	4822 122 32927	220nF
2249	4822 122 32862	10nF 80% 50V
2250	4822 051 10102	1k 2% 0,25W
2252	4822 121 42408	220nF 5% 63V
2253	4822 122 32863	22nF 80% 50V
2254	4822 122 32927	220nF
2255	4822 124 41643	100µF 20% 16V
2257	4822 122 33496	100nF 10% 63V
2258	4822 122 31765	100pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2268	4822 122 31947	100nF 20% 63V
2269	4822 122 32482	22pF 5% 63V
2270	4822 122 32863	22nF 80% 50V
2274	4822 122 32862	10nF 80% 50V
2301	5322 122 31647	1nF 10% 63V
2305	4822 122 32444	33pF 5% 50V
2306	4822 122 31772	47pF 5% 50V
2307	4822 122 31971	10pF 10% 50V
2310	4822 122 31961	68pF 5% 63V
2311	4822 122 31808	150pF 10% 50V
2312	4822 122 32863	22nF 80% 50V
2318	4822 121 42408	220nF 5% 63V
2324	4822 122 32863	22nF 80% 50V
2338	4822 122 31772	47pF 5% 50V
2342	4822 122 31972	39pF 5% 50V
2343	4822 122 31727	470pF 5% 63V
2344	4822 122 31775	680pF 5% 50V
2345	4822 122 31807	1200pF 5% 50V
2346	4822 051 10008	0Ω 5% 0,25W
2347	5322 122 31647	1nF 10% 63V
2353	4822 122 32862	10nF 80% 50V
2360	4822 124 40272	33µF 20% 16V
2361	4822 124 40849	330µF 20% 16V
2365	4822 122 31352	180pF 2% 100V
2366	4822 122 32863	22nF 80% 50V
2367	4822 122 32862	10nF 80% 50V
2368	4822 122 32862	10nF 80% 50V
2369	4822 122 31825	27pF 10% 50V
2371	4822 122 31825	27pF 10% 50V
2372	4822 122 31965	220pF 5% 63V
2373	4822 122 31965	220pF 5% 63V
2374	4822 122 32863	22nF 80% 50V
2374	4822 051 10008	0Ω 5% 0,25W

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2375	4822 122 32863	22nF 80% 50V
2376	5322 122 31641	47nF 50V
2377	5322 121 42661	330nF 5% 63V
2378	4822 122 31947	100nF 20% 63V
2379	4822 125 50207	33pF trim.
2380	4822 125 50207	33pF trim.
2381	5322 121 42661	330nF 5% 63V
2382	5322 122 31647	1nF 10% 63V
2383	4822 122 32442	10nF 50V
2384	5322 122 31647	1nF 10% 63V
2385	4822 122 32442	10nF 50V
2386	4822 122 32862	10nF 80% 50V
2387	4822 124 40435	10µF 20% 50V
2388	5322 122 33446	3,3nF 10% 63V
2390	4822 122 32863	22nF 80% 50V
2391	4822 122 32863	22nF 80% 50V
2392	4822 122 32863	22nF 80% 50V
2395	4822 122 32863	22nF 80% 50V
2396	4822 122 32863	22nF 80% 50V
2397	4822 122 32863	22nF 80% 50V
2398	4822 124 40435	10µF 20% 50V
2399	4822 124 41506	47µF 20% 16V
2400	4822 122 32863	22nF 80% 50V
2433	4822 122 32863	22nF 80% 50V
2434	5322 122 33446	3,3nF 10% 63V
2435	5322 122 33446	3,3nF 10% 63V
2436	4822 122 31961	68pF 5% 63V
2438	4822 122 32863	22nF 80% 50V
2440	4822 122 32863	22nF 80% 50V
2442	4822 122 32863	22nF 80% 50V
2445	4822 122 32927	220nF
2446	4822 122 32927	220nF
2447	4822 122 32927	220nF
2451	5322 121 42661	330nF 5% 63V
2452	4822 124 40242	1µF 20% 63V
2453	4822 122 31774	56pF 5% 50V
2454	4822 122 32444	33pF 5% 50V
2455	4822 122 32444	33pF 5% 50V
2456	4822 122 32444	33pF 5% 50V
2476	4822 124 41577	4,7µF 20% 50V
2478	4822 122 31784	4,7nF 10% 50V
2479	4822 122 32863	22nF 80% 50V
2480	4822 124 40272	33µF 20% 16V
2600	4822 122 31947	100nF 20% 63V
2602	4822 122 31947	100nF 20% 63V
2604	4822 122 31947	100nF 20% 63V
2606	4822 122 31947	100nF 20% 63V
2608	4822 122 32927	220nF
2620	4822 122 33496	100nF 10% 63V
2621	4822 122 33496	100nF 10% 63V
2622	4822 122 33496	100nF 10% 63V
2623	4822 122 33496	100nF 10% 63V
2624	5322 122 31842	330pF 5% 63V
2626	4822 121 42408	220nF 5% 63V
2627	4822 124 41678	22µF 20% 25V
2628	5322 122 31842	330pF 5% 63V
2630	4822 122 32927	220nF
2632	5322 122 31842	330pF 5% 63V
2634	4822 121 42408	220nF 5% 63V
2636	5322 122 31842	330pF 5% 63V
2638	4822 121 42408	220nF 5% 63V
2640	5322 122 31842	330pF 5% 63V
2642	4822 122 32927	220nF
2644	5322 122 31842	330pF 5% 63V
2646	4822 122 32927	220nF
2658	4822 122 31961	68pF 5% 63V
2659	4822 122 31961	68pF 5% 63V
2660	5322 122 31647	1nF 10% 63V

Small signal panel (continued)

2662	5322 122 31647	1nF 10% 63V
2664	4822 122 32153	1,8nF 10% 63V
2666	4822 122 32153	1,8nF 10% 63V
2680	4822 122 31947	100nF 20% 63V
2681	4822 122 32542	47nF 10% 63V
2682	4822 124 40195	150µF 20% 16V
2684	4822 121 51252	470nF 5% 63V
2686	4822 121 51252	470nF 5% 63V
2688	4822 122 31782	15nF 10% 50V
2690	4822 122 31782	15nF 10% 50V
2692	4822 122 31981	33nF +-0,5pF 50V
2694	4822 122 31916	5,6nF 10% 63V
2696	4822 122 31981	33nF +-0,5pF 50V
2697	4822 122 31965	220pF 5% 63V
2698	4822 122 31916	5,6nF 10% 63V
2699	4822 122 31965	220pF 5% 63V
2700	4822 124 40242	1µF 20% 63V
2702	4822 124 40242	1µF 20% 63V
2704	4822 122 31644	2,2nF 10% 63V
2706	4822 124 41678	22µF 20% 25V
2707	4822 122 31784	4,7nF 10% 50V
2714	4822 122 32863	22nF 80% 50V
2716	4822 122 32597	6,8nF 10% 63V
2720	4822 124 41678	22µF 20% 25V
2721	4822 122 31784	4,7nF 10% 50V
2726	4822 122 31644	2,2nF 10% 63V
2727	4822 124 40435	10µF 20% 50V
2728	4822 124 40435	10µF 20% 50V
2734	4822 122 32863	22nF 80% 50V
2736	4822 122 32597	6,8nF 10% 63V

3100	4822 051 10102	1k 2% 0,25W
3101	4822 116 52175	100Ω 5% 0,5W
3103	4822 051 10101	100Ω 2% 0,25W
3104	4822 116 52175	100Ω 5% 0,5W
3105	4822 051 10101	100Ω 2% 0,25W
3115	4822 116 52175	100Ω 5% 0,5W
3116	4822 116 52175	100Ω 5% 0,5W
3117	4822 051 20222	2k2 5% 0,1W
3119	4822 051 20222	2k2 5% 0,1W
3120	4822 051 20222	2k2 5% 0,1W
3121	4822 051 10123	12k 2% 0,25W
3122	4822 051 10472	4k7 2% 0,25W
3123	4822 051 10472	4k7 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3125	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10101	100Ω 2% 0,25W
3127	4822 051 10101	100Ω 2% 0,25W
3128	4822 051 10471	470Ω 2% 0,25W
3129	4822 116 52175	100Ω 5% 0,5W
3131	4822 116 52175	100Ω 5% 0,5W
3132	4822 116 52175	100Ω 5% 0,5W
3133	4822 051 10151	150Ω 2% 0,25W
3134	4822 116 52175	100Ω 5% 0,5W
3135	4822 051 10101	100Ω 2% 0,25W
3136	4822 051 10101	100Ω 2% 0,25W
3137	4822 116 52183	16Ω 5% 0,5W
3138	4822 116 52175	100Ω 5% 0,5W
3139	4822 116 52175	100Ω 5% 0,5W
3140	4822 050 11002	1k 1% 0,4W
3141	4822 050 11002	1k 1% 0,4W
3142	4822 050 11002	1k 1% 0,4W
3143	4822 050 11002	1k 1% 0,4W
3144	4822 050 11002	1k 1% 0,4W
3145	4822 050 11002	1k 1% 0,4W
3146	4822 050 11002	1k 1% 0,4W
3148	4822 051 10473	47k 2% 0,25W
3149	4822 051 10473	47k 2% 0,25W
3150	4822 051 10473	47k 2% 0,25W
3151	4822 051 10562	5k6 2% 0,25W
3153	4822 051 10103	10k 2% 0,25W
3154	4822 051 10152	1k5 2% 0,25W
3155	4822 051 10104	100k 2% 0,25W
3156	4822 051 10562	5k6 2% 0,25W
3157	4822 050 11002	1k 1% 0,4W
3158	4822 050 11002	1k 1% 0,4W
3159	4822 051 10103	10k 2% 0,25W
3160	4822 052 10758	7Ω5 5% 0,33W
3161	4822 051 10103	10k 2% 0,25W
3162	4822 050 27508	7Ω5 1% 0,6W
3163	4822 051 10223	22k 2% 0,25W
3164	4822 051 10101	100Ω 2% 0,25W
3165	4822 051 10101	100Ω 2% 0,25W
3166	4822 052 10228	2Ω2 5% 0,33W
3167	4822 051 10122	1k2 2% 0,25W
3168	4822 051 10242	2k4 2% 0,25W
3169	4822 116 52175	100Ω 5% 0,5W
3170	4822 116 82772	3Ω9 5% 0.3W
3171	4822 052 11511	510Ω 5% 0,5W
3172	4822 111 41424	22Ω 5% 0,3W
3180	4822 116 52224	470Ω 5% 0,5W
3181	4822 051 10822	8k2 2% 0,25W
3182	4822 116 52214	200Ω 5% 0,5W
3183	4822 116 52233	10k 5% 0,5W
3184	4822 116 90536	120Ω 1% 0,125W
3185	4822 051 10471	470Ω 2% 0,25W
3186	4822 116 52256	2k2 5% 0,5W
3187	4822 051 10759	75Ω 2% 0,25W
3188	4822 051 20222	2k2 5% 0,1W
3189	4822 051 10223	22k 2% 0,25W
3191	4822 116 81202	62k 1% 0,125W
3193	4822 051 10331	330Ω 2% 0,25W
3194	4822 051 10331	330Ω 2% 0,25W
3196	4822 051 10473	47k 2% 0,25W
3197	4822 051 10473	47k 2% 0,25W
3200	4822 051 10472	4k7 2% 0,25W
3201	4822 051 10472	4k7 2% 0,25W
3205	4822 051 10759	75Ω 2% 0,25W
3206	4822 051 10759	75Ω 2% 0,25W
3207	4822 051 10759	75Ω 2% 0,25W
3208	4822 051 10101	100Ω 2% 0,25W
3209	4822 051 10101	100Ω 2% 0,25W
3210	4822 051 10101	100Ω 2% 0,25W
3211	4822 116 52217	270Ω 5% 0,5W
3215	4822 051 10689	68Ω 2% 0,25W
3216	4822 116 81193	15Ω 5% 0,3W
3217	4822 116 52224	470Ω 5% 0,5W
3218	4822 051 10471	470Ω 2% 0,25W
3219	4822 051 10471	470Ω 2% 0,25W
3220	4822 051 10471	470Ω 2% 0,25W
3222	4822 116 52217	270Ω 5% 0,5W
3224	4822 051 10759	75Ω 2% 0,25W
3225	4822 051 10471	470Ω 2% 0,25W
3226	4822 051 10152	1k5 2% 0,25W
3227	4822 051 10112	1k1 2% 0,25W
3228	4822 051 10474	470k 2% 0,25W
3229	4822 051 10331	330Ω 2% 0,25W
3230	4822 050 11002	1k 1% 0,4W
3231	4822 051 10681	680Ω 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75Ω 2% 0,25W
3235	4822 051 10759	75Ω 2% 0,25W
3237	4822 116 52217	270Ω 5% 0,5W
3238	4822 116 52222	390Ω 5% 0,5W
3239	4822 051 10271	270Ω 2% 0,25W
3240	4822 051 10759	75Ω 2% 0,25W
3241	4822 051 10759	75Ω 2% 0,25W
3242	4822 116 52219	330Ω 5% 0,5W
3243	4822 051 10152	1k5 2% 0,25W
3244	4822 051 10102	1k 2% 0,25W
3245	4822 051 10474	470k 2% 0,25W
3246	4822 051 10331	330Ω 2% 0,25W
3247	4822 051 10102	1k 2% 0,25W
3248	4822 051 10681	680Ω 2% 0,25W
3249	4822 051 10102	1k 2% 0,25W
3251	4822 051 10759	75Ω 2% 0,25W
3252	4822 051 10759	75Ω 2% 0,25W
3253	4822 051 10561	560Ω 2% 0,25W
3254	4822 116 81193	15Ω 5% 0,3W
3255	4822 051 10821	820Ω 2% 0,25W
3256	4822 051 10103	10k 2% 0,25W
3257	4822 051 10103	10k 2% 0,25W
3259	4822 051 10103	10k 2% 0,25W
3260	4822 116 81193	15Ω 5% 0,3W
3261	4822 051 10471	470Ω 2% 0,25W
3262	4822 051 10103	10k 2% 0,25W
3263	4822 051 10689	68Ω 2% 0,25W
3264	4822 051 10471	470Ω 2% 0,25W
3265	4822 051 10103	10k 2% 0,25W
3266	4822 051 10103	10k 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W
3268	4822 051 10101	100Ω 2% 0,25W
3269	4822 051 10561	560Ω 2% 0,25W
3270	4822 051 10472	4k7 2% 0,25W
3271	4822 051 10471	470Ω 2% 0,25W
3272	4822 116 52228	680Ω 5% 0,5W
3273	4822 051 10471	470Ω 2% 0,25W
3274	4822 051 10103	10k 2% 0,25W
3275	4822 051 10689	68Ω 2% 0,25W
3276	4822 051 10471	470Ω 2% 0,25W
3277	4822 051 10271	270Ω 2% 0,25W
3279	4822 051 10689	68Ω 2% 0,25W
3281	4822 116 52201	75Ω 5% 0,5W
3285	4822 051 10103	10k 2% 0,25W
3286	4822 051 10103	10k 2% 0,25W
3300	4822 051 10103	10k 2% 0,25W
3301	4822 051 10332	3k3 2% 0,25W
3303	4822 051 10361	360Ω 2% 0,25W
3303	4822 051 10241	240Ω 2% 0,25W
3304	4822 116 90536	120Ω 1% 0,125W
3305	4822 051 10104	100k 2% 0,25W
3306	4822 051 10221	220Ω 2% 0,25W
3310	4822 116 52283	4k7 5% 0,5W
3311	4822 051 10132	1k3 2% 0,25W
3312	4822 051 10511	510Ω 2% 0,25W
3313	4822 051 20222	2k2 5% 0,1W
3314	4822 051 10102	1k 2% 0,25W
3315	4822 051 10103	10k 2% 0,25W
3316	4822 051 10112	1k1 2% 0,25W
3317	4822 116 52233	10k 5% 0,5W
3324	4822 051 10223	22k 2% 0,25W
3325	4822 051 10682	6k8 2% 0,25W
3326	4822 051 10103	10k 2% 0,25W
3327	4822 051 10122	1k2 2% 0,25W
3329	4822 051 10118	1Ω1 5% 0,25W
3336	4822 051 10472	4k7 2% 0,25W
3338	4822 051 10391	390Ω 2% 0,25W
3339	4822 051 10153	15k 2% 0,25W
3342	4822 051 20222	2k2 5% 0,1W
3344	4822 051 10273	27k 2% 0,25W

Small signal panel (continued)

3350	4822 116 90536	120Ω 1% 0,125W
3351	4822 051 10472	4k7 2% 0,25W
3353	4822 051 10332	3k3 2% 0,25W
3360	4822 052 10278	2Ω7 5% 0,33W
3361	4822 051 10102	1k 2% 0,25W
3369	4822 051 10331	330Ω 2% 0,25W
3370	4822 100 11391	330Ω 30% LIN
3371	4822 051 10431	430Ω 2% 0,25W
3372	4822 051 10331	330Ω 2% 0,25W
3375	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10332	3k3 2% 0,25W
3380	4822 050 11002	1k 1% 0,4W
3382	4822 051 20222	2k2 5% 0,1W
3383	4822 051 10103	10k 2% 0,25W
3385	4822 051 10105	1M 5% 0,25W
3387	4822 050 11002	1k 1% 0,4W
3389	4822 051 10182	1k8 2% 0,25W
3390	4822 051 10911	910Ω 2% 0,25W
3391	4822 051 20222	2k2 5% 0,1W
3392	4822 051 10101	100Ω 2% 0,25W
3393	4822 051 10101	100Ω 2% 0,25W
3394	4822 051 10101	100Ω 2% 0,25W
3395	4822 051 10471	470Ω 2% 0,25W
3396	4822 051 20222	2k2 5% 0,1W
3397	4822 111 41424	22Ω 5% 0,3W
3398	4822 116 52175	100Ω 5% 0,5W
3399	4822 116 52175	100Ω 5% 0,5W
3400	4822 051 10471	470Ω 2% 0,25W
3410	4822 116 52224	470Ω 5% 0,5W
3425	4822 116 52224	470Ω 5% 0,5W
3426	4822 116 52224	470Ω 5% 0,5W
3450	4822 051 20222	2k2 5% 0,1W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 051 10511	510Ω 2% 0,25W
3454	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10101	100Ω 2% 0,25W
3465	4822 050 11002	1k 1% 0,4W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52286	5k1 5% 0,5W
3478	4822 051 10471	470Ω 2% 0,25W
3479	4822 051 10223	22k 2% 0,25W
3480	4822 052 10278	2Ω7 5% 0,33W
3481	4822 052 10278	2Ω7 5% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3600	4822 051 10362	3k6 2% 0,25W
3602	4822 100 11212	2k2 30% LIN
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W
3612	4822 051 10102	1k 2% 0,25W
3620	4822 051 10184	180k 2% 0,25W
3622	4822 051 10184	180k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10184	180k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10184	180k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10184	180k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10184	180k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10184	180k 2% 0,25W

3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10184	180k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 116 81193	15Ω 5% 0,3W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W
3682	4822 051 10568	5Ω6 5% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 116 81203	10Ω 5% 0,3W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω2 5% 0,25W
3720	4822 116 81203	10Ω 5% 0,3W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω2 5% 0,25W

Jumpers

4066	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W
4112	4822 051 10008	0Ω 5% 0,25W
4114	4822 051 10008	0Ω 5% 0,25W
4115	4822 051 10008	0Ω 5% 0,25W
4120	4822 051 10008	0Ω 5% 0,25W
4121	4822 051 10008	0Ω 5% 0,25W
4125	4822 051 10008	0Ω 5% 0,25W
4127	4822 051 10008	0Ω 5% 0,25W
4130	4822 051 10008	0Ω 5% 0,25W
4148	4822 051 10008	0Ω 5% 0,25W
4162	4822 051 10008	0Ω 5% 0,25W
4164	4822 051 10008	0Ω 5% 0,25W
4166	4822 051 10008	0Ω 5% 0,25W
4170	4822 051 10008	0Ω 5% 0,25W
4171	4822 051 10008	0Ω 5% 0,25W
4184	4822 051 10008	0Ω 5% 0,25W
4200	4822 051 10008	0Ω 5% 0,25W
4201	4822 051 10008	0Ω 5% 0,25W
4203	4822 051 10008	0Ω 5% 0,25W
4205	4822 051 10008	0Ω 5% 0,25W
4210	4822 051 10008	0Ω 5% 0,25W
4227	4822 051 10008	0Ω 5% 0,25W
4234	4822 051 10008	0Ω 5% 0,25W

Jumpers

4235	4822 051 10008	0Ω 5% 0,25W
4236	4822 051 10008	0Ω 5% 0,25W
4241	4822 051 10008	0Ω 5% 0,25W
4246	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4260	4822 051 10008	0Ω 5% 0,25W
4262	4822 051 10008	0Ω 5% 0,25W
4280	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10008	0Ω 5% 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
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4360	4822 051 10008	0Ω 5% 0,25W
4361	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4450	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4455	4822 051 10008	0Ω 5% 0,25W
4476	4822 051 10008	0Ω 5% 0,25W
4477	4822 051 10008	0Ω 5% 0,25W
4496	4822 051 10008	0Ω 5% 0,25W
4498	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W
4672	4822 051 10008	0Ω 5% 0,25W
4673	4822 051 10008	0Ω 5% 0,25W

5100	4822 157 53906	47µH 10%
5115	4822 152 20677	10µH 10%
5270	4822 157 52983	22µH 10%
5303	4822 157 53302	1µH 20%
5304	4822 157 53302	1µH 20%
5305	4822 157 62823	26µH 6%
5310	4822 157 63245	82µH 10%
5345	4822 157 62822	4,5µH 6%
5346	4822 157 62823	26µH 6%
5370	4822 157 62824	7,5µH 6%
5454	4822 157 63065	0,68µH 20%
5455	4822 157 63065	0,68µH 20%
5456	4822 157 63065	0,68µH 20%

6117	4822 130 80906	LLZ-F7V5
6120	4822 130 80446	LL4148
6121	4822 130 80446	LL4148
6163	4822 130 81226	LLZ-F33
6168	4822 130 80446	LL4148
6172	4822 130 80906	LLZ-C7V5
6173	4822 130 80446	LL4148
6178	4822 130 81222	LLZ-C15
6205	4822 130 81015	LLZ-C10
6206	4822 130 81015	LLZ-C10
6207	4822 130 81015	LLZ-C10
6280	4822 130 80446	LL4148
6281	4822 130 80446	LL4148
6342	4822 130 80888	BA682
6343	4822 130 80888	BA682
6386	4822 130 80446	LL4148
6387	4822 130 80954	LLZ-C5V6
6450	4822 130 81512	LLZ-C6V2
6465	4822 130 80446	LL4148
6470	4822 130 80446	LL4148

Small s

6471	4
6478	4
6479	4
6480	4
6610	4
6660	4
6661	4
6662	4
6663	4
6664	4
6665	4
7000	5
7119	5
7120	5
7121	4
7130	5
7137	4
7176	4
7177	4
7178	5
7182	5
7183	5
7186	4
7188	5
7193	4
7216	4
7219	4
7226	5
7228	5
7243	5
7244	5
7258	5
7260	4
7261	5
7265	5
7268	4
7270	5
7273	4
7305	5
7311	5
7312	5
7313	4
7314	5
7315	5
7324	4
7326	5
7338	5
7350	5
7360	4
7365	4
7366	4
7390	4
7395	4
7410	4
7430	4
7450	5
7451	5
7480	5
7600	4
7620	4
7622	4
7630	4
7635	4
7660	5
7661	5

Small signal panel (continued)

6471	4822 130 30621	1N4148
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6610	4822 130 30621	1N4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4
6664	4822 130 80446	LL4148
6665	4822 130 80446	LL4148

7000	5322 130 44921	BD943
7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	4822 130 42513	BC858C
7130	5322 130 42136	BC848C
7137	4822 209 71521	X2404
7176	4822 130 42513	BC858C
7177	4822 130 42513	BC858C
7178	5322 130 41982	BC848B
7182	5322 130 44743	BSR12
7183	5322 130 41982	BC848B
7186	4822 209 73852	PMBT2369
7188	5322 130 41982	BC848B
7193	4822 209 61115	LF353N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
7226	5322 130 41983	BC858B
7228	5322 130 41982	BC848B
7243	5322 130 41983	BC858B
7244	5322 130 41982	BC848B
7258	5322 209 10421	HEF4094BP
7260	4822 130 42615	BC817-40
7261	5322 130 42136	BC848C
7265	5322 130 41982	BC848B
7268	4822 130 42615	BC817-40
7270	5322 130 41982	BC848B
7273	4822 130 42615	BC817-40
7305	5322 130 41983	BC858B
7311	5322 130 41982	BC848B
7312	5322 130 42136	BC848C
7313	4822 130 42513	BC858C
7314	5322 130 42136	BC848C
7315	5322 130 42136	BC848C
7324	4822 209 63901	TDA4568/V2
7326	5322 130 42136	BC848C
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B
7360	4822 130 42615	BC817-40
7365	4822 209 30011	TDA4650/V4
7366	4822 209 63108	TDA4660/V2S2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7410	4822 209 73852	PMBT2369
7430	4822 209 63298	TDA4680/V4
7450	5322 130 42136	BC848C
7451	5322 130 42755	BC847C
7480	5322 130 44921	BD943
7600	4822 209 63967	TDA8417/V2
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 61115	LF353N
7635	4822 209 61115	LF353N
7660	5322 130 41982	BC848B
7661	5322 130 41982	BC848B

7662	5322 130 41982	BC848B
7680	4822 209 63734	TDA8425/V7
7704	4822 209 83163	LM833N
7706	5322 130 41982	BC848B
7708	5322 130 41983	BC858B
7730	5322 130 41982	BC848B
7732	5322 130 41983	BC858B

16/9 identification panel A C

	4822 265 41152	8P
	4822 290 40295	8P
	4822 265 20509	2P male
	4822 264 40207	3P male

2457	4822 122 31797	22nF 10% 63V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 31797	22nF 10% 63V
2460	4822 122 31797	22nF 10% 63V

3457	4822 051 10153	15k 2% 0,25W
3459	4822 051 10103	10k 2% 0,25W
3462	4822 051 10153	15k 2% 0,25W
3463	4822 051 10103	10k 2% 0,25W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10472	4k7 2% 0,25W
3466	4822 051 10151	150Ω 2% 0,25W
3467	4822 051 10101	100Ω 2% 0,25W
3468	4822 051 10101	100Ω 2% 0,25W
3469	4822 051 10223	22k 2% 0,25W
3470	4822 051 10823	82k 2% 0,25W
3471	4822 051 10008	0Ω 5% 0,25W

Jumpers

4402	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W

6451	4822 130 80446	LL4148
6452	4822 130 80446	LL4148

7452	5322 209 10883	PCF8574P
7453	4822 130 42513	BC858C
7454	4822 130 42513	BC858C
7455	5322 130 41982	BC848B

Spare parts list / Stückliste / Liste des pièces

High end-box L M

	4822 255 40901	IC socket 40P
	4822 267 70257	IC socket 48P
	4822 267 60253	IC socket 22P
	4822 267 60253	IC socket 22P
	4822 267 50885	IC socket 16P.
	4822 267 50885	IC socket 16P.
	4822 267 50885	IC socket 16P.
	4822 265 40472	10P gold plated
	4822 265 40472	10P gold plated
	4822 265 40472	10P gold plated

Various parts

1100	4822 242 72572	crystal 12,000 000 MHz
1200	4822 242 71417	crystal 13,875 000 MHz

2100	4822 122 32999	2,2N 5% 63V
2101	4822 122 32999	2,2N 5% 63V
2102	4822 122 31825	27pF 10% 50V
2103	4822 122 31825	27pF 10% 50V
2104	4822 124 40435	10µF 20% 50V
2105	4822 122 33496	100nF 10% 63V
2106	4822 122 33498	2,7nF 10% 63V
2107	4822 124 40435	10µF 20% 50V
2108	4822 124 41506	47µF 20% 16V
2109	4822 122 31965	220pF 5% 63V
2110	4822 122 31965	220pF 5% 63V
2111	5322 122 31842	330pF 5% 63V
2112	4822 122 33496	100nF 10% 63V
2113	5322 122 32163	5,6pF 5% 100V
2114	4822 122 33496	100nF 10% 63V
2115	4822 122 31965	220pF 5% 63V
2116	4822 122 31965	220pF 5% 63V
2117	5322 122 31842	330pF 5% 63V
2118	4822 122 31981	33nF +-0,5pF 50V
2119	4822 126 11492	220nF 10% 50V
2120	4822 122 31797	22nF 10% 63V
2121	4822 122 31797	22nF 10% 63V
2122	4822 122 32442	10nF 50V
2123	4822 122 33496	100nF 10% 63V
2124	4822 122 33496	100nF 10% 63V
2125	4822 122 31971	10pF 10% 50V
2126	4822 122 33496	100nF 10% 63V
2127	4822 122 33496	100nF 10% 63V
2128	4822 122 33496	100nF 10% 63V
2130	4822 122 31765	100pF 5% 50V
2131	4822 122 31765	100pF 5% 50V
2133	4822 122 31765	100pF 5% 50V
2134	4822 122 31746	1000pF 5% 50V
2135	4822 122 31772	47pF 5% 50V
2136	4822 122 31746	1000pF 5% 50V
2137	4822 122 32504	15pF 5% 50V
2138	4822 122 31971	10pF 10% 50V
2139	4822 122 31971	10pF 10% 50V
2140	4822 122 31971	10pF 10% 50V
2141	4822 122 31772	47pF 5% 50V
2142	4822 122 31772	47pF 5% 50V
2143	4822 122 31772	47pF 5% 50V
2144	4822 122 31772	47pF 5% 50V
2146	4822 122 31746	1000pF 5% 50V
2147	4822 122 32507	6,8pF 5% 50V
2148	4822 122 31746	1000pF 5% 50V
2149	4822 122 31746	1000pF 5% 50V
2150	5322 121 42661	330nF 5% 63V
2151	4822 122 31768	180pF 5% 50V
2152	4822 122 31766	120pF 5% 50V
2153	4822 126 11492	220nF 10% 50V
2154	4822 122 33496	100nF 10% 63V
2156	4822 122 31765	100pF 5% 50V
2157	4822 122 31765	100pF 5% 50V
2158	4822 122 33496	100nF 10% 63V
2160	4822 122 31765	100pF 5% 50V
2161	4822 122 31765	100pF 5% 50V
2162	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2165	4822 122 31981	33nF +-0,5pF 50V
2166	4822 122 33496	100nF 10% 63V
2167	4822 122 33496	100nF 10% 63V
2168	4822 122 33496	100nF 10% 63V
2169	4822 122 33496	100nF 10% 63V
2170	4822 122 33496	100nF 10% 63V
2171	4822 122 33496	100nF 10% 63V
2172	4822 122 33496	100nF 10% 63V
2173	4822 122 33496	100nF 10% 63V
2174	4822 122 33496	100nF 10% 63V
2175	4822 122 33496	100nF 10% 63V
2176	4822 122 33496	100nF 10% 63V
2177	4822 122 33496	100nF 10% 63V
2178	4822 122 33496	100nF 10% 63V
2179	4822 122 31774	56pF 5% 50V
2180	4822 122 31774	56pF 5% 50V
2181	4822 122 33496	100nF 10% 63V
2182	4822 122 33496	100nF 10% 63V
2183	4822 122 33496	100nF 10% 63V
2184	4822 122 31772	47pF 5% 50V
2185	4822 122 31772	47pF 5% 50V
2186	4822 122 32082	4,7pF 5% 50V
2187	4822 124 40435	10µF 20% 50V
2188	4822 122 32999	2,2nF 5% 63V
2189	4822 122 32442	10nF 50V
2198	4822 122 31971	10pF 10% 50V
2199	4822 122 31772	47pF 5% 50V
2200	4822 124 41643	100µF 20% 16V
2201	5322 122 31842	330pF 5% 63V
2202	4822 124 41576	2,2µF 20% 50V
2203	4822 122 31825	27pF 10% 50V
2204	4822 122 32442	10nF 50V
2205	4822 122 32442	10nF 50V
2206	4822 122 32504	15pF 5% 50V
2207	4822 122 31765	100pF 5% 50V
2208	4822 122 32142	270pF 5% 63V
2209	4822 122 31797	22nF 10% 63V
2210	4822 122 31727	470pF 5% 63V
2211	5322 122 31647	1nF 10% 63V
2212	4822 122 32504	15pF 5% 50V
2213	4822 122 31765	100pF 5% 50V
2214	4822 122 31765	100pF 5% 50V
2215	4822 124 41576	2,2µF 20% 50V
2216	4822 122 33496	100nF 10% 63V
2217	4822 124 41576	2,2µF 20% 50V
2218	4822 124 41596	22µF 20% 50V
2219	4822 122 33496	100nF 10% 63V
2220	4822 124 41577	4,7µF 20% 50V
2221	4822 122 33496	100nF 10% 63V
2222	4822 122 33496	100nF 10% 63V
2223	4822 124 41643	100µF 20% 16V
2224	4822 121 42937	2,7nF 1% 250V
2225	4822 122 31765	100pF 5% 50V
2227	4822 124 40435	10µF 20% 50V
2228	4822 122 31808	150pF 10% 50V
2229	4822 122 33496	100nF 10% 63V
2230	4822 122 32142	270pF 5% 63V
2233	4822 122 31965	220pF 5% 63V
2235	4822 122 33498	2,7nF 10% 63V
2236	4822 122 32891	68nF 10% 63V
2237	4822 122 33496	100nF 10% 63V
2250	4822 122 33496	100nF 10% 63V
2251	4822 124 41554	220µF 20% 10V
2252	4822 122 33496	100nF 10% 63V
2253	4822 121 51252	470nF 5% 63V
2254	4822 121 51252	470nF 5% 63V
2255	4822 122 33496	100nF 10% 63V
2256	4822 122 31965	220pF 5% 63V
2257	4822 122 31965	220pF 5% 63V
2258	4822 122 31769	18pF 5% 50V
2259	4822 122 31774	56pF 5% 50V
2260	4822 122 31774	56pF 5% 50V
2261	4822 122 33496	100nF 10% 63V
2262	4822 124 41643	100µF 20% 16V
2265	4822 124 41643	100µF 20% 16V
2266	4822 122 33496	100nF 10% 63V
2267	4822 122 33496	100nF 10% 63V
2268	4822 124 41997	470µF 10V
2269	4822 122 33496	100nF 10% 63V
2270	4822 122 33496	100nF 10% 63V
2271	4822 122 33496	100nF 10% 63V
2272	4822 122 33496	100nF 10% 63V
2273	4822 124 40731	330µF 20% 6,3V
2274	4822 124 40435	10µF 20% 50V
2275	4822 122 33496	100nF 10% 63V
2276	4822 122 33496	100nF 10% 63V
2277	4822 124 41506	47µF 20% 16V

3001	4822 051 10339	33Ω 2% 0,25W
3001	4822 051 10399	39Ω 2% 0,25W
3100	4822 051 20222	2k2 5% 0,1W
3101	4822 051 20222	2k2 5% 0,1W
3102	4822 051 10473	47k 2% 0,25W
3103	4822 051 10473	47k 2% 0,25W
3104	4822 051 10201	200Ω 2% 0,25W
3106	4822 051 10752	7k5 2% 0,25W
3107	4822 051 10562	5k6 2% 0,25W
3108	4822 051 10331	330Ω 2% 0,25W
3109	4822 051 10152	1k5 2% 0,25W
3110	4822 051 10102	1k 2% 0,25W
3111	4822 051 10473	47k 2% 0,25W
3112	4822 051 10103	10k 2% 0,25W
3113	4822 051 10109	10Ω 2% 0,25W
3114	4822 051 10104	100k 2% 0,25W
3119	4822 051 10152	1k5 2% 0,25W
3120	4822 051 10332	3k3 2% 0,25W
3121	4822 051 10472	4k7 2% 0,25W
3122	4822 051 10473	47k 2% 0,25W
3123	4822 051 10152	1k5 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3125	4822 051 10109	10Ω 2% 0,25W
3126	4822 051 10272	2k7 2% 0,25W
3127	4822 051 10221	220Ω 2% 0,25W
3128	4822 051 10472	4k7 2% 0,25W
3129	4822 051 10472	4k7 2% 0,25W
3130	4822 051 10102	1k 2% 0,25W
3131	4822 051 10109	10Ω 2% 0,25W
3132	4822 051 10152	1k5 2% 0,25W
3133	4822 051 10101	100Ω 2% 0,25W
3134	4822 051 10221	220Ω 2% 0,25W
3135	4822 051 10272	2k7 2% 0,25W
3136	4822 116 81193	15Ω 5% 0,3W
3137	4822 051 10223	22k 2% 0,25W

High end-box (continued)

3138	4822 051 10124	120k 2% 0,25W
3139	4822 051 10101	100Ω 2% 0,25W
3140	4822 051 10224	220k 2% 0,25W
3141	4822 051 10223	22k 2% 0,25W
3142	4822 051 10104	100k 2% 0,25W
3143	4822 051 10104	100k 2% 0,25W
3144	4822 051 10272	2k7 2% 0,25W
3145	4822 051 10759	75Ω 2% 0,25W
3146	4822 051 20222	2k2 5% 0,1W
3147	4822 051 10479	47Ω 2% 0,25W
3148	4822 051 10479	47Ω 2% 0,25W
3151	4822 051 10271	270Ω 2% 0,25W
3152	4822 051 10621	620Ω 2% 0,25W
3153	4822 051 10122	1k2 2% 0,25W
3155	4822 051 10221	220Ω 2% 0,25W
3156	4822 051 10221	220Ω 2% 0,25W
3157	4822 051 10181	180Ω 2% 0,25W
3158	4822 051 10331	330Ω 2% 0,25W
3159	4822 051 20222	2k2 5% 0,1W
3160	4822 051 10241	240Ω 2% 0,25W
3161	4822 051 10101	100Ω 2% 0,25W
3162	4822 051 10221	220Ω 2% 0,25W
3163	4822 051 10471	470Ω 2% 0,25W
3164	4822 051 20222	2k2 5% 0,1W
3165	4822 051 10471	470Ω 2% 0,25W
3166	4822 051 20222	2k2 5% 0,1W
3168	4822 051 10101	100Ω 2% 0,25W
3169	4822 051 10474	470k 2% 0,25W
3170	4822 116 83319	287Ω 1% 0,125W
3171	4822 051 10681	680Ω 2% 0,25W
3172	4822 051 10391	390Ω 2% 0,25W
3173	4822 051 10102	1k 2% 0,25W
3174	4822 051 10102	1k 2% 0,25W
3175	4822 051 10683	68k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3178	4822 051 10122	1k2 2% 0,25W
3198	4822 051 10008	0Ω 5% 0,25W
3200	4822 052 10189	18Ω 5% 0,33W
3202	4822 051 10101	100Ω 2% 0,25W
3203	4822 051 10101	100Ω 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3205	4822 051 10102	1k 2% 0,25W
3206	4822 051 10332	3k3 2% 0,25W
3207	4822 051 10104	100k 2% 0,25W
3208	4822 051 10102	1k 2% 0,25W
3209	4822 051 10562	5k6 2% 0,25W
3210	4822 111 41424	22Ω 5% 0,3W
3211	4822 051 10229	22Ω 2% 0,25W
3212	4822 051 10122	1k2 2% 0,25W
3213	4822 051 10561	560Ω 2% 0,25W
3214	4822 051 10303	30k 2% 0,25W
3215	4822 051 10102	1k 2% 0,25W
3216	4822 051 10562	5k6 2% 0,25W
3217	4822 051 10101	100Ω 2% 0,25W
3218	4822 051 10155	1M 5 5% 0,25W
3220	4822 051 10473	47k 2% 0,25W
3221	4822 051 10181	180Ω 2% 0,25W
3222	4822 051 10683	68k 2% 0,25W
3223	4822 051 10102	1k 2% 0,25W
3224	4822 051 20222	2k2 5% 0,1W
3225	4822 051 10221	220Ω 2% 0,25W
3226	4822 051 10681	680Ω 2% 0,25W
3227	4822 051 10221	220Ω 2% 0,25W
3228	4822 100 20166	10k 30% LIN
3230	4822 051 10562	5k6 2% 0,25W
3231	4822 051 20222	2k2 5% 0,1W
3232	4822 051 10102	1k 2% 0,25W
3251	4822 051 10393	39k 2% 0,25W

3252	4822 051 10751	750Ω 2% 0,25W
3253	4822 051 10751	750Ω 2% 0,25W
3254	4822 051 10241	240Ω 2% 0,25W
3255	4822 051 10471	470Ω 2% 0,25W
3256	4822 051 10102	1k 2% 0,25W
3260	4822 051 10822	8k2 2% 0,25W
3261	4822 051 10472	4k7 2% 0,25W
3262	4822 111 41424	22Ω 5% 0,3W
3263	4822 051 20222	2k2 5% 0,1W
3264	4822 051 20222	2k2 5% 0,1W
3265	4822 051 20222	2k2 5% 0,1W
3270	4822 051 20222	2k2 5% 0,1W
3272	4822 051 20222	2k2 5% 0,1W
3273	4822 051 20222	2k2 5% 0,1W
3274	4822 051 10223	22k 2% 0,25W
3275	4822 051 10102	1k 2% 0,25W
3276	4822 051 10392	3k9 2% 0,25W
3277	4822 051 20222	2k2 5% 0,1W
3278	4822 051 10103	10k 2% 0,25W
3279	4822 051 10122	1k2 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3281	4822 051 20222	2k2 5% 0,1W
3290	4822 051 10561	560Ω 2% 0,25W
3291	4822 051 10561	560Ω 2% 0,25W
3292	4822 051 10561	560Ω 2% 0,25W
3293	4822 051 10561	560Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W

5100	4822 157 63246	6µH trim.
5101	4822 157 63247	1,4µH trim.
5102	4822 157 52403	3,3µH 10%
5103	4822 157 60147	2,2µH
5104	4822 157 60147	2,2µH
5105	4822 157 60147	2,2µH
5106	4822 157 60147	2,2µH
5107	4822 157 60147	2,2µH
5108	4822 157 60147	2,2µH
5109	4822 157 60147	2,2µH
5110	4822 157 63503	4,6µH 6%
5150	4822 157 52224	15µH 10%
5151	4822 157 60498	56µH 10%
5152	4822 157 60498	56µH 10%
5201	4822 157 52224	15µH 10%
5202	4822 157 52138	27µH 10%
5251	4822 157 60147	2,2µH
5252	4822 157 60147	2,2µH

6102	5322 130 80119	BBY40
6103	5322 130 80119	BBY40
6106	4822 130 80888	BA682
6107	4822 130 80888	BA682
6150	4822 130 80446	LL4148
6151	4822 130 80446	LL4148
6160	4822 130 80446	LL4148
6200	4822 130 80884	LLZ-C5V1
6201	4822 130 31253	BZX55-C2V4
6202	4822 130 80446	LL4148
6250	4822 130 33706	BZX84-B5V1
6251	4822 130 80446	LL4148

7100	4822 130 61207	BC848
7102	4822 130 61207	BC848
7103	5322 130 42012	BC858
7104	4822 130 61207	BC848
7105	5322 130 42012	BC858
7106	4822 130 61207	BC848
7107	4822 130 61207	BC848
7108	4822 130 40938	BC548
7109	5322 130 42012	BC858A
7110	5322 130 42012	BC858
7111	4822 130 61207	BC848
7112	5322 130 42012	BC858
7113	5322 130 42012	BC858
7116	4822 130 42131	BF550
7117	4822 130 42131	BF550
7119	5322 130 42136	BC848C
7120	5322 130 42136	BC848C
7121	5322 130 42136	BC848C
7122	5322 130 42136	BC848C
7123	5322 130 42012	BC858
7124	5322 130 42136	BC848C
7125	5322 130 42136	BC848C
7156	4822 130 61207	BC848
7157	4822 130 61207	BC848
7159	4822 130 61207	BC848
7160	5322 130 42012	BC858
7200	4822 209 63645	SAA5231/V7
7201	4822 209 63902	SAA9042P/A/MOA
7202	4822 209 63893	LH2464-10
7203	4822 209 63297	TDA2579B/N1
7204	4822 209 63903	PCF80C51BH-3P/J265
7205	4822 209 63892	UPD91237C/CE028A
7206	4822 209 82341	PC74HCT04P
7207	4822 209 82341	PC74HCT04P
7209	4822 209 83163	LM833N
7210	4822 209 63894	PC74HCT4066P
7211	4822 209 60199	MN6550B
7212	4822 209 60199	MN6550B
7213	4822 209 60199	MN6550B
7214	5322 209 11588	PC74HCT195P
7215	5322 209 11588	PC74HCT195P
7216	5322 209 11588	PC74HCT195P
7217	5322 209 11588	PC74HCT195P
7218	4822 209 72042	MC78L05ACP
7250	4822 209 60525	TMS4C1050-3N
7251	4822 209 60525	TMS4C1050-3N
7252	4822 209 60525	TMS4C1050-3N
7253	4822 209 63891	SDA9060
7254	4822 209 63897	TDA4563/V5
7255	4822 209 72042	MC78L05ACP

Second tuner PIP J

	4822 265 40503	5P female gold plated
	4822 265 40472	10P female gold plated
	4822 265 20509	2P grey
	4822 265 20511	2P blue
	4822 265 30828	5P male
	4822 265 30899	5P

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
1500	4822 212 23792	PLL PANEL
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962

Capacitors

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 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
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 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
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	4822 122 31965	220pF 5% 63V
2230	4822 124 41578	6,8µF 20% 50V
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 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 31768	180pF 5% 50V
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
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2390	4822 122 31947	100nF 20% 63V
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
2397	4822 122 32927	220nF
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
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 31965	220pF 5% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2445	5322 122 31842	330pF 5% 63V
2447	4822 124 41643	100µF 20% 16V
2448	4822 122 31947	100nF 20% 63V
2604	4822 124 40195	150µF 20% 16V
2614	4822 124 41506	47µF 20% 16V
2615	4822 124 41576	2,2µF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330µF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

Resistors

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 050 11002	1k 1% 0,4W
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	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10202	2k 2% 0,25W
3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
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 10473	47k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10682	6k8 2% 0,25W
3337	4822 050 11002	1k 1% 0,4W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3341	4822 052 10129	12Ω 5% 0,33W
3345	4822 111 41424	22Ω 5% 0,3W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10331	330Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3406	4822 051 10162	1k6 2% 0,25W
3407	4822 051 10332	3k3 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10751	750Ω 2% 0,25W
3414	4822 051 10181	180Ω 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 10431	430Ω 2% 0,25W
3452	4822 051 10431	430Ω 2% 0,25W
3454	4822 051 10431	430Ω 2% 0,25W
3464	4822 051 10102	1k 2% 0,25W
3471	4822 051 10752	7k 5 2% 0,25W
3472	4822 051 10103	10k 2% 0,25W
3473	4822 051 10102	1k 2% 0,25W
3474	4822 116 52277	39k 5% 0,5W
3475	4822 051 10821	820Ω 2% 0,25W
3476	4822 051 10152	1k5 2% 0,25W
3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 050 11002	1k 1% 0,4W
3617	4822 051 10102	1k 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W

Secon

3624	
3625	
3630	
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3635	
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3638	
3997	

Jumper

4003	
4007	
4009	
4011	
4012	
4013	
4014	
4015	
4016	
4017	
4018	
4019	
4020	
4021	
4022	
4024	
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4048	
4049	
4402	
4415	
4417	
4418	
4419	
4420	
4421	
4631	
4632	
4634	

5118	4
5155	4
5157	4
5170	4
5175	4
5190	4
5400	4
5402	4
5403	4
5406	4
5408	4
5410	4

6301	4
6464	4
6471	4

Second tuner PIP (continued)

3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10753	75k 2% 0,25W
3634	4822 051 10753	75k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumper

4003	5322 122 31647	1nF 10% 63V
4007	4822 051 10008	0Ω 5% 0,25W
4009	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
4017	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
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4047	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

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%
5403	4822 157 52333	100µH
5406	4822 157 50943	12µH 10%
5408	4822 157 50943	12µH 10%
5410	4822 116 52184	18Ω 5% 0,5W

6301	4822 130 80446	LL4148
6464	4822 130 80235	BZX79-C3V3
6471	4822 130 81227	BZV55-F5V6

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	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
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7470	4822 130 62844	BD826-16
7471	4822 130 62846	ON4590
7472	4822 130 62846	ON4590
7473	5322 130 41982	BC848B
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 63423	TDA2579A/N8/S2

NICAM sound module K

	4822 265 41087	9P male
	4822 265 41087	9P male

Various parts

1106	4822 242 72301	filter TH316BQM-20800DAF
1106	4822 242 72303	filter TH316BQM
1120	4822 242 80272	crystal 5,850 MHz
1120	4822 242 80274	crystal 6,552 MHz
1140	4822 242 80273	crystal 5,824 MHz

2100	5322 122 31647	1nF 10% 63V
2101	4822 122 31981	33nF +-0,5pF 50V
2102	4822 122 31797	22nF 10% 63V
2106	5322 122 31647	1nF 10% 63V
2107	4822 122 32442	10nF 10% 50V
2110	4822 122 32442	10nF 10% 50V
2111	4822 124 22606	68µF 20% 16V
2112	4822 126 11493	474nF 20% 50V
2113	4822 126 11493	474nF 20% 50V
2115	4822 122 31774	56pF 5% 50V
2117	4822 125 50045	20pF trim.
2118	4822 122 32504	15pF 5% 50V
2120	4822 122 31769	18pF 5% 50V
2120	4822 122 32444	33pF 5% 50V
2121	4822 122 32442	10nF 10% 50V
2122	4822 126 11493	474nF 20% 50V
2124	4822 122 31965	220pF 5% 63V
2125	4822 122 31965	220pF 5% 63V
2126	4822 122 32442	10nF 10% 50V
2127	4822 122 32442	10nF 10% 50V
2128	4822 122 33496	100nF 10% 63V
2130	4822 122 33496	100nF 10% 63V
2132	4822 122 33496	100nF 10% 63V
2134	4822 122 33496	100nF 10% 63V
2136	4822 122 32442	10nF 10% 50V
2137	4822 126 11493	474nF 20% 50V
2138	4822 122 32442	10nF 10% 50V
2139	4822 122 31774	56pF 5% 50V
2140	4822 122 31961	68pF 5% 63V
2141	4822 122 32444	33pF 5% 50V
2142	4822 122 32504	15pF 5% 50V
2143	4822 122 32504	15pF 5% 50V
2144	4822 122 32504	15pF 5% 50V
2145	4822 122 33496	100nF 10% 63V
2150	4822 122 33496	100nF 10% 63V
2152	4822 122 33496	100nF 10% 63V
2154	4822 122 31772	47pF 5% 50V
2155	4822 125 50045	20pF trim.
2156	4822 122 32442	10nF 10% 50V
2158	4822 122 31972	39pF 5% 50V
2159	4822 122 31772	47pF 5% 50V
2165	4822 124 41506	47µF 20% 16V
2166	4822 122 31797	22nF 10% 63V
2170	4822 122 33496	100nF 10% 63V
2171	4822 124 41643	100µF 20% 16V
2175	4822 124 40433	47µF 20% 25V
2176	4822 122 31797	22nF 10% 63V
2177	4822 122 31759	18nF 10% 50V
2177	4822 122 32442	10nF 10% 50V
2178	4822 122 33608	39nF 10% 63V
2178	4822 122 31797	22nF 10% 63V
2179	4822 126 10171	2,7nF 5% 50V
2180	4822 122 32999	2,2nF 5% 50V
2181	4822 122 31773	560pF 5% 50V
2182	4822 126 11493	474nF 20% 50V
2185	4822 124 40433	47µF 20% 25V
2186	4822 122 31797	22nF 10% 63V
2187	4822 122 31759	18nF 10% 50V
2187	4822 122 32442	10nF 10% 50V
2188	4822 122 33608	39nF 10% 63V
2188	4822 122 31797	22nF 10% 63V
2189	4822 126 10171	2,7nF 5% 50V
2190	4822 122 32999	2,2nF 5% 50V
2191	4822 122 31773	560pF 5% 50V
2192	4822 126 11493	474nF 20% 50V
2197	4822 124 40272	33µF 20% 16V
2198	4822 124 40272	33µF 20% 16V
2199	4822 122 32442	10nF 10% 50V

3100	4822 051 10432	4k3 2% 0,25W
3101	4822 051 10103	10k 2% 0,25W
3102	4822 052 10129	12Ω 5% 0,33W
3103	4822 051 10271	270Ω 2% 0,25W
3104	4822 051 10111	110Ω 2% 0,25W
3105	4822 051 10241	240Ω 2% 0,25W
3106	4822 051 10471	470Ω 2% 0,25W
3107	4822 051 10471	470Ω 2% 0,25W
3110	4822 052 10278	2Ω7 5% 0,33W
3112	4822 051 10154	150k 2% 0,25W
3113	4822 051 10224	220k 2% 0,25W
3115	4822 051 10511	510Ω 2% 0,25W
3120	4822 051 10102	1k 2% 0,25W
3122	4822 051 10393	39k 2% 0,25W
3137	4822 051 10393	39k 2% 0,25W
3139	4822 051 10471	470Ω 2% 0,25W
3140	4822 051 10102	1k 2% 0,25W
3142	4822 051 10331	330Ω 2% 0,25W
3145	4822 052 10228	2Ω2 5% 0,33W
3146	4822 051 10101	100Ω 2% 0,25W
3147	4822 051 10101	100Ω 2% 0,25W
3150	4822 052 10278	2Ω7 5% 0,33W
3152	4822 051 10102	1k 2% 0,25W
3153	4822 051 10103	10k 2% 0,25W
3160	4822 051 10104	100k 2% 0,25W
3161	4822 051 10104	100k 2% 0,25W
3162	4822 051 10473	47k 2% 0,25W
3165	4822 052 10278	2Ω7 5% 0,33W
3166	4822 116 52276	3k9 5% 0,5W
3169	4822 051 10473	47k 2% 0,25W
3170	4822 052 10278	2Ω7 5% 0,33W
3175	4822 052 10109	10Ω 5% 0,33W
3177	4822 051 10562	5k6 2% 0,25W
3177	4822 051 10103	10k 2% 0,25W
3178	4822 051 10102	1k 2% 0,25W
3178	4822 051 10182	1k8 2% 0,25W
3179	4822 051 10472	4k7 2% 0,25W
3180	4822 051 10472	4k7 2% 0,25W
3182	4822 051 10183	18k 2% 0,25W
3184	4822 051 10912	9k1 2% 0,25W
3184	4822 051 10682	6k8 2% 0,25W
3185	4822 052 10109	10Ω 5% 0,33W
3186	4822 051 10008	0Ω 5% 0,25W
3187	4822 051 10562	5k6 2% 0,25W
3187	4822 051 10103	10k 2% 0,25W
3188	4822 051 10102	1k 2% 0,25W
3188	4822 051 10182	1k8 2% 0,25W
3189	4822 051 10472	4k7 2% 0,25W
3190	4822 051 10472	4k7 2% 0,25W
3192	4822 051 10183	18k 2% 0,25W
3196	4822 051 10008	0Ω 5% 0,25W
3197	4822 051 10331	330Ω 2% 0,25W

Jumpers

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
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W

5124	4822 157 51238	820µH 10%
5125	4822 157 51238	820µH 10%
5155	4822 157 53575	3,3µH 10%
5160	4822 157 51462	10µH 10%

6154	4822 130 82352	BB215
6197	4822 130 81027	LLZ-C11

7100	5322 130 42136	BC848C
7101	4822 130 60514	BC859B
7110	4822 209 73558	TA8662N
7145	5322 209 10883	PCF8574P
7150	4822 209 61114	CF70123
7160	4822 130 61207	BC848
7165	4822 209 72545	SAA7220P/B
7170	4822 209 63899	TDA1543/N2/S6
7175	4822 209 83163	LM833N
7185	4822 209 83163	LM833N
7195	5322 209 10576	4053B
7198	4822 130 61207	BC848

Picture tube panel E

	4822 255 70264	pictuer tube socket
	4822 265 20509	2P male grey
	4822 265 40596	2P male Vg2
	4822 267 40985	6P male
	4822 265 41107	7P male
	4822 492 70788	spring fix IC
	4822 492 70788	spring fix IC
	4822 492 70788	spring fix IC
	4822 404 31199	bracket

2700	4822 126 11824	100pF 10% 1KV
2701	4822 122 31971	10pF 10% 50V
2702	4822 122 31784	4,7nF 10% 50V
2704	4822 122 31746	1000pF 5% 50V
2705	4822 124 40272	33µF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 51562	33nF 10% 1600V
2708	5322 122 31842	330pF 5% 63V
2709	4822 124 23494	10µF 20% 250V
2710	4822 122 31797	22nF 10% 63V
2711	4822 122 31971	10pF 10% 50V
2712	4822 122 31784	4,7nF 10% 50V
2713	4822 121 42068	33nF 10% 400V
2714	4822 122 31746	1000pF 5% 50V
2715	4822 121 42068	33nF 10% 400V
2720	4822 122 31825	27pF 10% 50V
2721	4822 122 31971	10pF 10% 50V
2722	4822 122 31784	4,7nF 10% 50V
2724	4822 122 31746	1000pF 5% 50V
2725	4822 122 31774	56pF 5% 50V
2726	4822 122 31774	56pF 5% 50V
2727	4822 122 31774	56pF 5% 50V

3700	4822 051 20222	2k2 5% 0,1W
3701	4822 052 11108	1Ω 5% 0,5W
3702	4822 051 10201	200Ω 2% 0,25W
3703	4822 052 11108	1Ω 5% 0,5W
3704	4822 051 10222	2k2 2% 0,25W
3705	4822 051 10242	2k4 2% 0,25W
3707	4822 051 10008	0Ω 5% 0,25W
3708	4822 116 81434	1k 10%
3709	4822 051 10124	120k 2% 0,25W
3710	4822 051 10333	33k 2% 0,25W
3712	4822 051 10201	200Ω 2% 0,25W
3714	4822 051 20222	2k2 5% 0,1W
3715	4822 051 10242	2k4 2% 0,25W
3716	4822 050 21204	120k 1% 0,6W
3718	4822 116 81434	1k 10%
3719	4822 051 10333	33k 2% 0,25W
3720	4822 051 10823	82k 2% 0,25W
3722	4822 051 10201	200Ω 2% 0,25W
3723	4822 051 10102	1k 2% 0,25W
3724	4822 051 20222	2k2 5% 0,1W
3725	4822 051 10242	2k4 2% 0,25W
3726	4822 050 21204	120k 1% 0,6W
3727	4822 111 50518	1k 5 5% 0,5W
3728	4822 116 81434	1k 10%
3730	4822 111 50518	1k 5 5% 0,5W
3731	4822 052 10279	27Ω 5% 0,33W
3732	4822 052 10189	18Ω 5% 0,33W
3734	4822 050 21604	160k 1% 0,6W
3735	4822 051 10103	10k 2% 0,25W
3736	4822 051 10333	33k 2% 0,25W
3737	4822 051 10153	15k 2% 0,25W
3738	4822 053 12823	82k 5% 3W
3739	4822 101 10963	47k 10% LIN
3740	4822 050 21604	160k 1% 0,6W

Jumpers

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W

5700	4822 157 63249	262LYF-0086K

6700	4822 130 80879	LLZ-C3V0
6701	4822 130 80877	BAV103
6702	4822 130 80877	BAV103
6703	4822 130 80877	BAV103
6707	4822 130 82345	LLZ-C22
6708	4822 130 32896	BYD33M
6709	4822 130 34379	BZX79-C27

7704	4822 130 60373	BC856B
7705	4822 209 30417	TDA6111Q/N2
7706	4822 209 30417	TDA6111Q/N2
7707	4822 209 30417	TDA6111Q/N2

Spare parts list / Stückliste / Liste des pièces

Scavem filter panel Y

	4822 265 30351	5P male
	4822 264 40207	3P male
	4822 265 20464	2P
	4822 264 40207	3P male

2804	4822 124 22427	47µF 20% 35V
2805	4822 122 33496	100nF 10% 63V
2806	4822 124 22427	47µF 20% 35V
2807	4822 122 33496	100nF 10% 63V
2820	4822 122 33496	100nF 10% 63V
2822	4822 122 33496	100nF 10% 63V
2824	4822 122 33496	100nF 10% 63V
2825	4822 124 42269	100MU20% 100V
2826	4822 122 31727	470pF 5% 63V
2827	4822 122 31727	470pF 5% 63V
2832	4822 122 33496	100nF 10% 63V
2833	4822 122 33496	100nF 10% 63V
2834	4822 122 33496	100nF 10% 63V
2835	4822 122 33496	100nF 10% 63V
2836	4822 122 33496	100nF 10% 63V
2837	4822 122 33496	100nF 10% 63V

3809	4822 052 10478	4Ω7 5% 0,33W
3810	4822 052 10478	4Ω7 5% 0,33W
3830	4822 053 10331	330Ω 5% 1W
3831	4822 053 10331	330Ω 5% 1W
3833	4822 051 10152	1k5 2% 0,25W
3834	4822 051 10132	1k3 2% 0,25W
3835	4822 051 10339	33Ω 2% 0,25W
3836	4822 051 10479	47Ω 2% 0,25W
3837	4822 116 52215	220Ω 5% 0,5W
3838	4822 053 10331	330Ω 5% 1W
3839	4822 053 10331	330Ω 5% 1W
3841	4822 051 10152	1k5 2% 0,25W
3842	4822 051 10132	1k3 2% 0,25W
3843	4822 051 10339	33Ω 2% 0,25W
3844	4822 051 10479	47Ω 2% 0,25W
3845	4822 051 10479	47Ω 2% 0,25W
3846	4822 051 10569	56Ω 2% 0,25W
3847	4822 051 10479	47Ω 2% 0,25W
3848	4822 051 10103	10k 2% 0,25W
3850	4822 051 10431	430Ω 2% 0,25W
3851	4822 051 10569	56Ω 2% 0,25W

5830	4822 157 50965	15µH 10%
5831	4822 157 50965	15µH 10%
5832	4822 157 50965	15µH 10%
5833	4822 157 50965	15µH 10%

7808	4822 130 61207	BC848
7810	4822 130 41746	BD825
7811	4822 130 42589	BF370
7812	4822 130 41746	BD825
7813	4822 130 41774	BD826
7814	4822 130 41746	BD825
7815	4822 130 41774	BD826
7816	4822 130 41746	BD825
7817	4822 130 42589	BF370

Scavem amplifier panel Z

	4822 265 30497	5P male
	4822 265 40503	5P male gold plated

2800	4822 122 31774	56pF 5% 50V
2801	4822 124 40435	10µF 20% 50V
2802	4822 124 41525	100µF 20% 25V
2803	4822 122 32442	10nF 50V
2808	4822 122 33496	100nF 10% 63V
2809	4822 122 32442	10nF 50V
2810	4822 122 32442	10nF 50V
2811	4822 122 31808	150pF 10% 50V
2812	4822 122 33496	100nF 10% 63V
2813	4822 122 33496	100nF 10% 63V
2814	4822 122 32442	10nF 50V
2815	4822 122 32442	10nF 50V
2816	4822 122 31808	150pF 10% 50V
2817	4822 122 32083	8,2pF 5% 50V
2818	4822 122 32083	8,2pF 5% 50V
2819	4822 122 32442	10nF 50V
2840	4822 122 33496	100nF 10% 63V
2847	4822 124 42269	100µF 20% 100V
2872	4822 122 31768	180pF 5% 50V

3800	4822 051 10821	820Ω 2% 0,25W
3801	4822 116 52214	200Ω 5% 0,5W
3807	4822 052 10478	4Ω7 5% 0,33W
3812	4822 051 10101	100Ω 2% 0,25W
3813	4822 051 10103	10k 2% 0,25W
3814	4822 051 10103	10k 2% 0,25W
3815	4822 051 10123	12k 2% 0,25W
3816	4822 051 10391	390Ω 2% 0,25W
3817	4822 051 10561	560Ω 2% 0,25W
3818	4822 051 10271	270Ω 2% 0,25W
3819	4822 051 10271	270Ω 2% 0,25W
3821	4822 051 10101	100Ω 2% 0,25W
3822	4822 051 10182	1k8 2% 0,25W
3823	4822 051 10182	1k8 2% 0,25W
3824	4822 051 10339	33Ω 2% 0,25W
3825	4822 051 10102	1k 2% 0,25W
3826	4822 051 10102	1k 2% 0,25W
3827	4822 051 10471	470Ω 2% 0,25W
3828	4822 051 10829	82Ω 2% 0,25W
3829	4822 051 10682	6k8 2% 0,25W
3852	4822 051 10331	330Ω 2% 0,25W
3853	4822 051 10202	2k 2% 0,25W
3854	4822 051 10331	330Ω 2% 0,25W
3855	4822 051 10202	2k 2% 0,25W
3856	4822 051 10331	330Ω 2% 0,25W
3857	4822 051 10202	2k 2% 0,25W
3858	4822 051 10331	330Ω 2% 0,25W
3859	4822 051 10202	2k 2% 0,25W
3870	4822 051 10822	8k2 2% 0,25W
3871	4822 051 10822	8k2 2% 0,25W
3872	4822 122 31768	180pF 5% 50V

Jumpers

4802	4822 051 10008	0Ω 5% 0,25W
4812	4822 051 10008	0Ω 5% 0,25W

5801	4822 157 50965	15µH 10%
5802	4822 157 50965	15µH 10%
5803	4822 157 50965	15µH 10%

5812	4822 157 63507	0,18µH
5813	4822 157 63507	0,18µH
5814	4822 157 63507	0,18µH
5815	4822 157 63507	0,18µH

6802	4822 130 80446	LL4148
6803	5322 130 34337	BAV99
6804	5322 130 34337	BAV99
6805	5322 130 34337	BAV99
6810	4822 130 80884	LLZ-C5V1
6816	4822 130 80884	LLZ-C5V1

7803	4822 130 61207	BC848
7804	4822 209 30404	NE592/N8
7805	4822 130 41594	PH2369
7806	4822 130 61207	BC848
7807	4822 130 61207	BC848
7809	5322 130 60646	BSR57
7818	4822 130 42705	BC847
7819	4822 130 61233	BC857
7820	4822 130 42705	BC847
7821	4822 130 61233	BC857
7825	5322 130 42012	BC858