Service
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Service Manual

Contents

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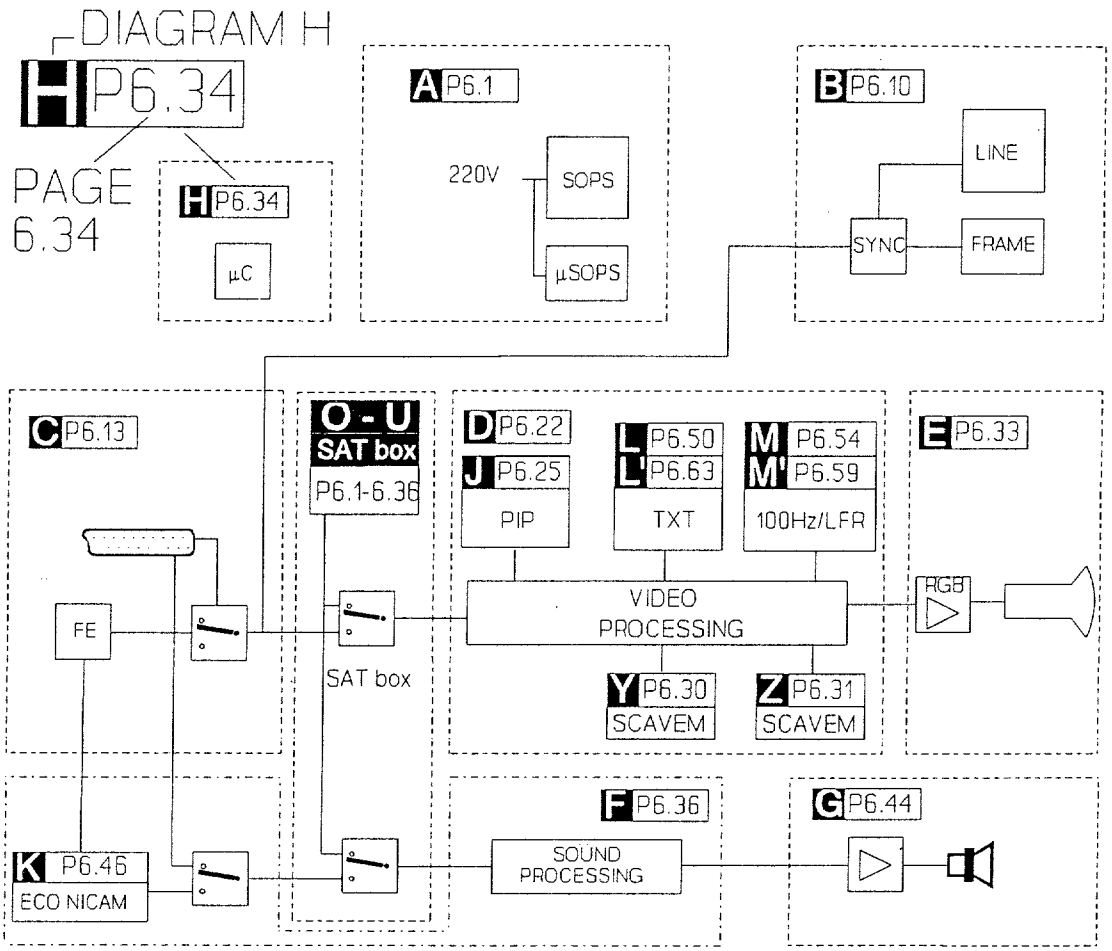
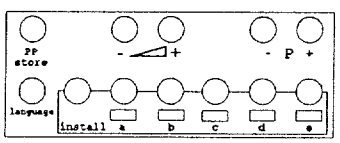
Blockdiagram



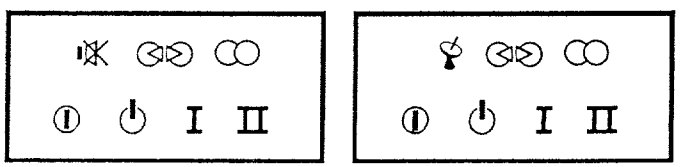
Technical data

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

Local operation functions:



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

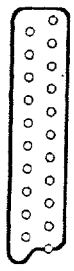


TER SAT

Connection facilities

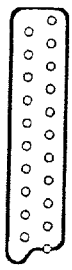
Specification of the connectors

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 - CHROMA ⊥
14 - -
15 - CHROMA ⊕ (1V$_{pp}$/75Ω)
16 - -
17 - CVBS ⊥
18 - CVBS ⊥
19 - CVBS ⊖ (1V$_{pp}$/75Ω)
20 - CVBS/y ⊕ (1V$_{pp}$/75Ω)
21 - Earthscreen

EXT3 (front)

SVHS IN
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 IN
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 OUT
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)

The connection facilities of the SAT box are illustrated in chapter 2 of FL1 SAT box.

1. S r c a t
2. I a o m d p u
3. E A s C s a t c
4. W m
5. B v
6. N t
7. I w
8. W m T o
9. A m
10. In s m T t -1
11. O s y d r c
12. T u in u o r

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 30259
10 times: 4822 214 31402

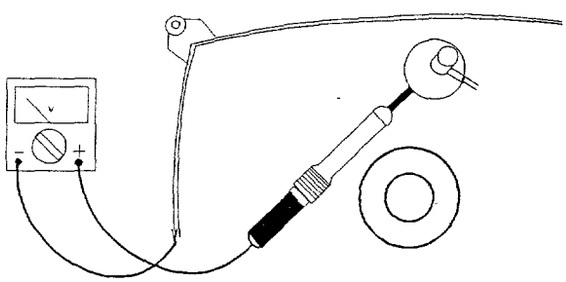


Fig 3.1

Mechanical instructions

1. Removing the back plate (Fig. 4.1)

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.

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.
The orange coloured service bracket can be used to sopport the SAT box or the DAF panel when the chassis has to placed in an upright position.

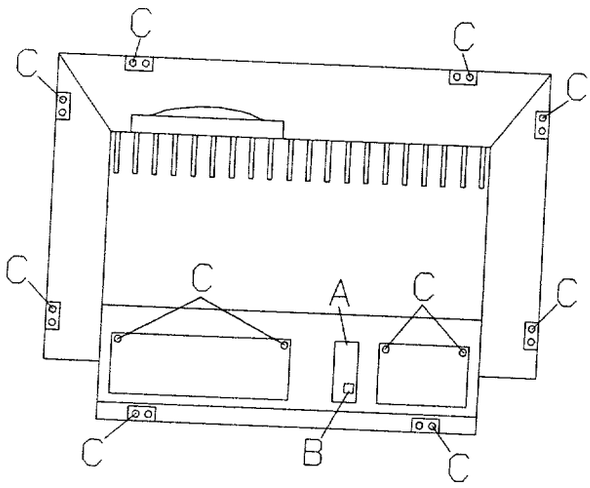


Fig 4.1

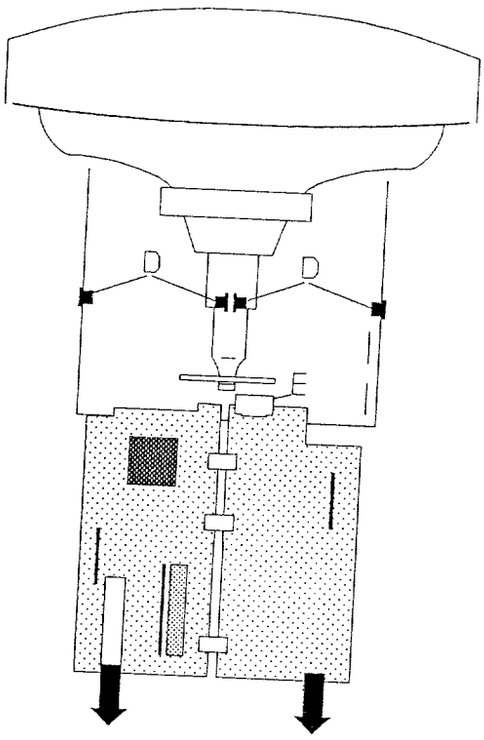


Fig 4.2

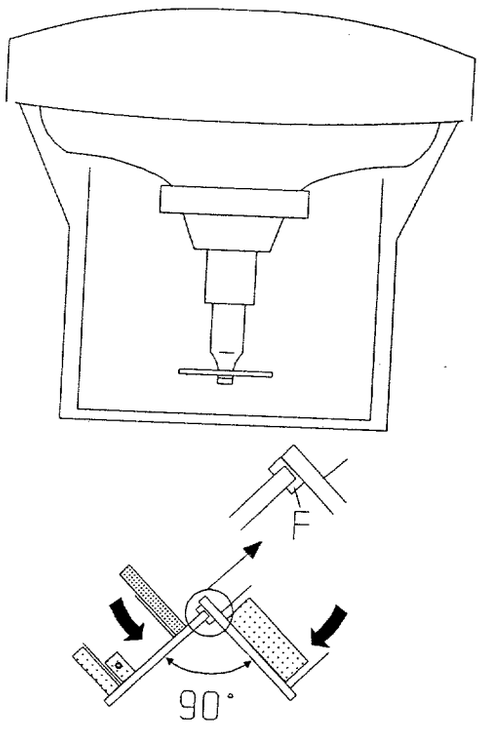


Fig 4.3

Blockdiagram Blockschaltbild

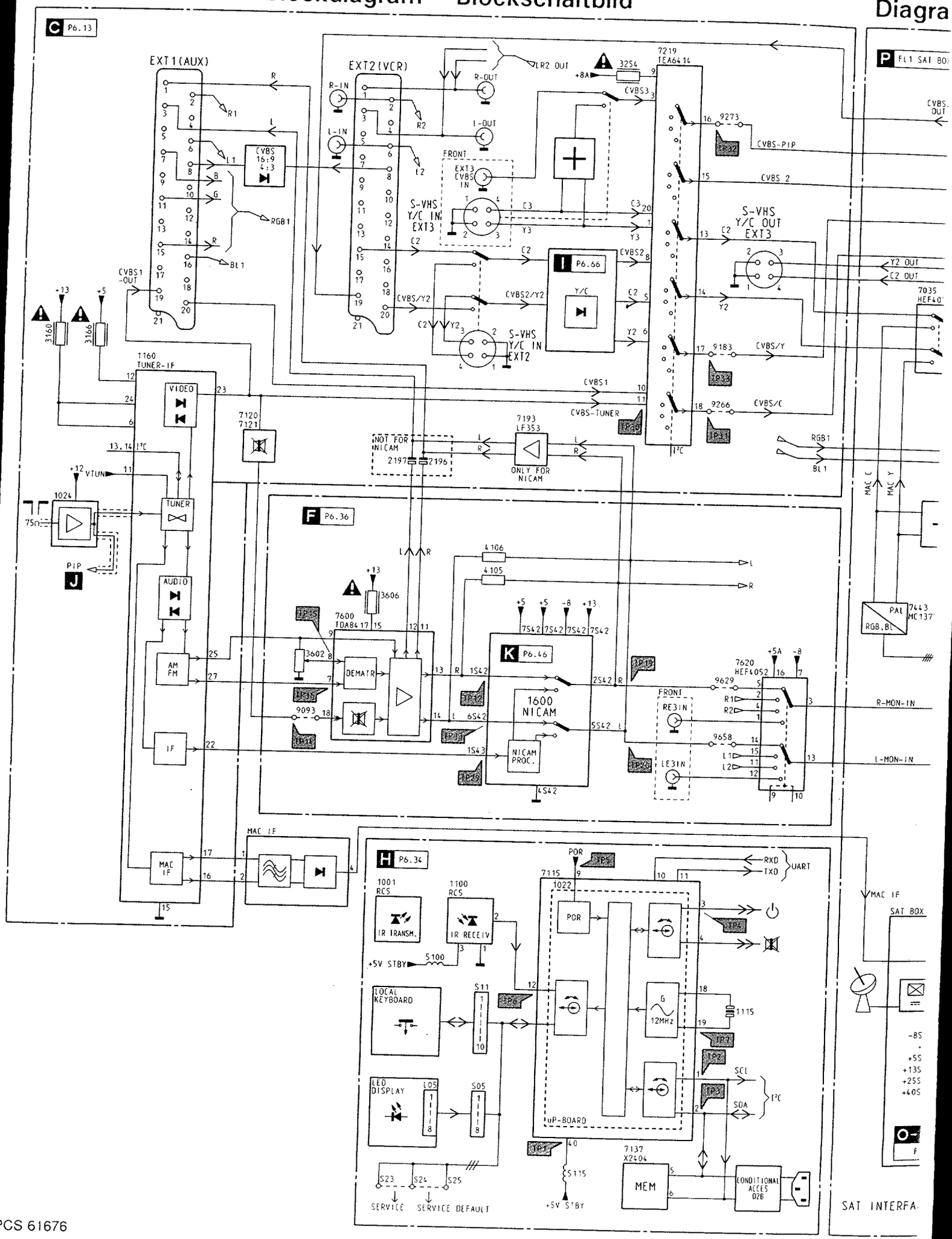
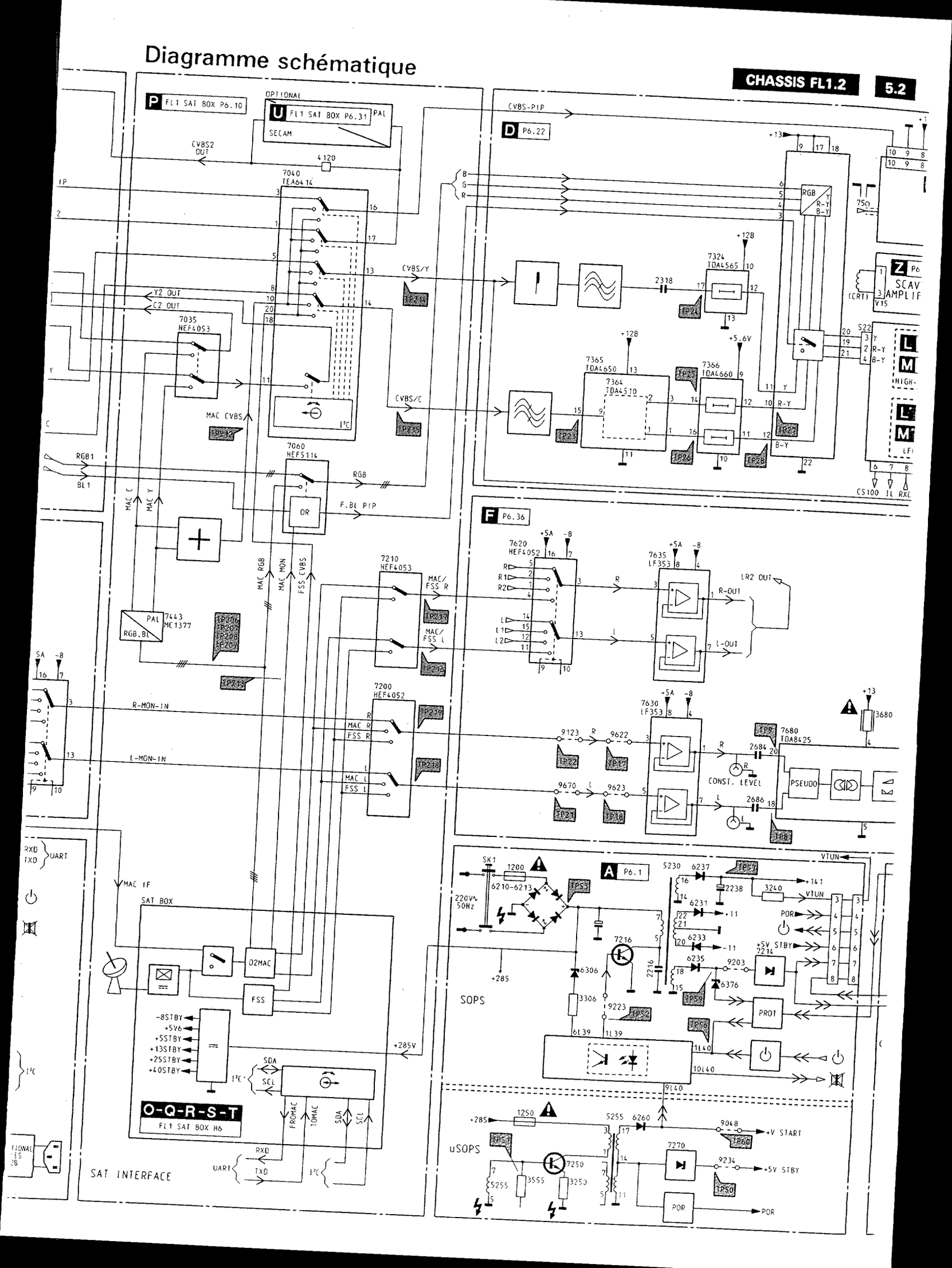
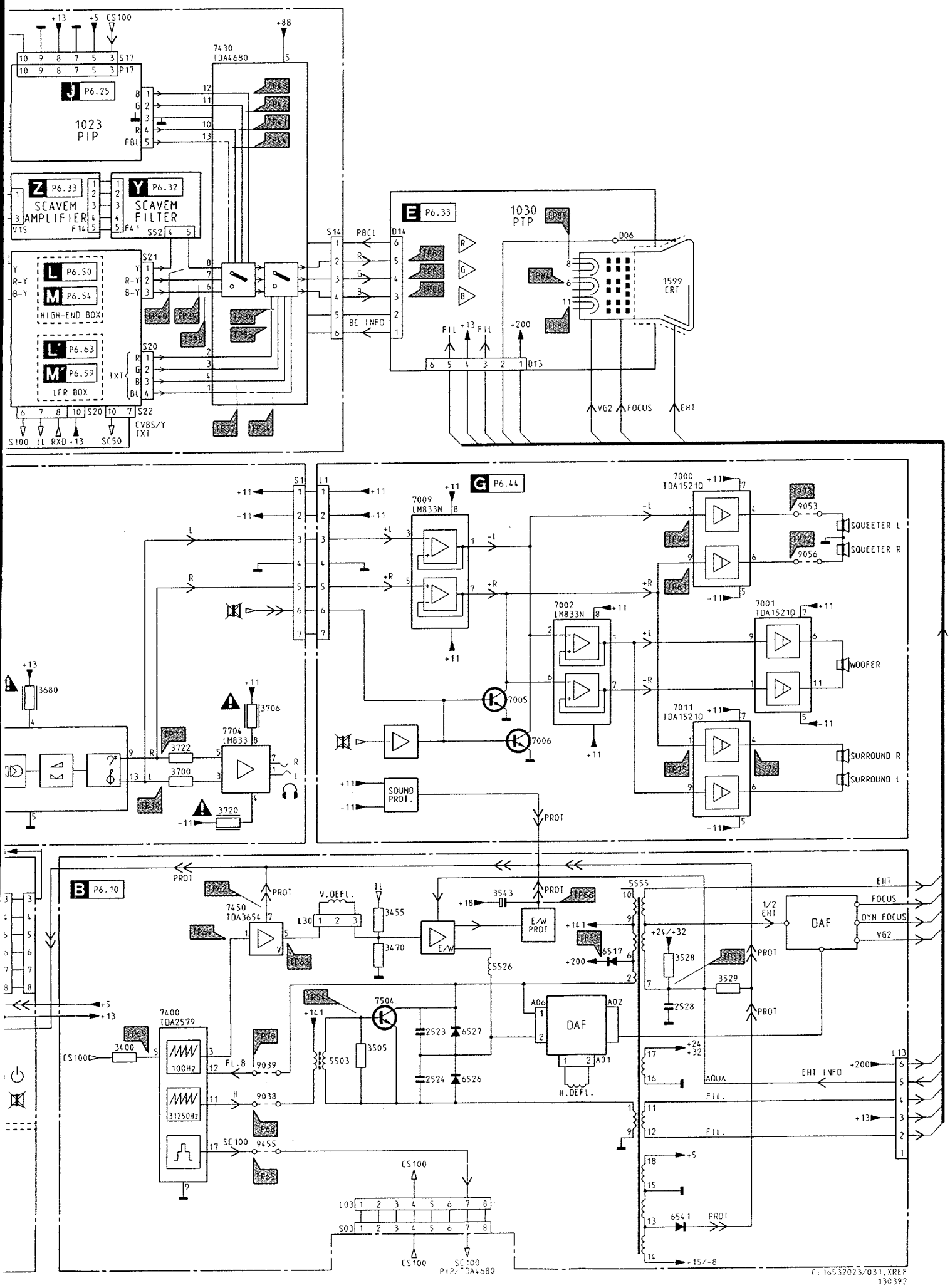
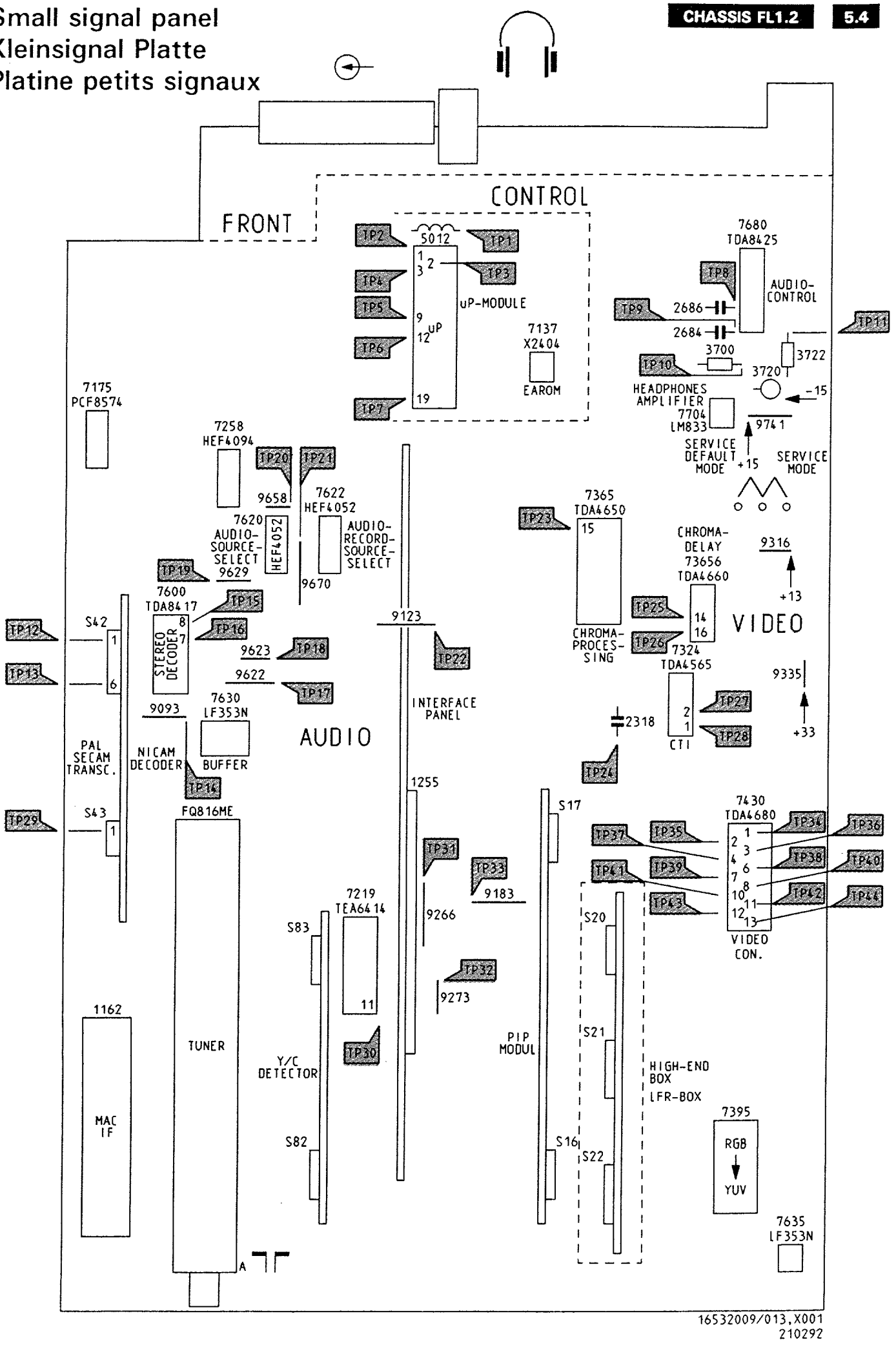


Diagramme schématique



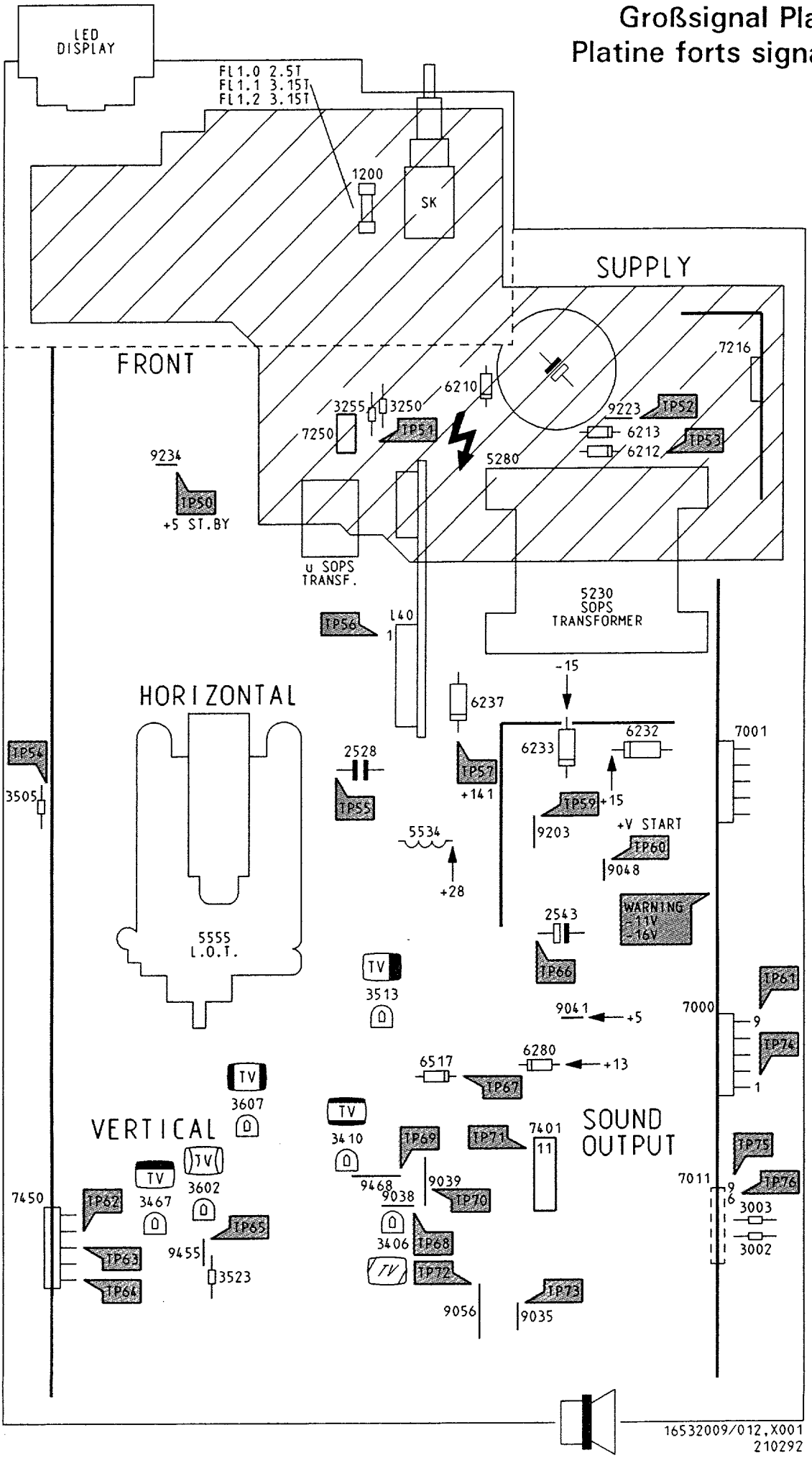

J P6.25
1023 PIP
Z P6.33
SCAVEM AMPLIFIER
Y P6.32
SCAVEM FILTER
L P6.50
M P6.54
HIGH-END BOX
L' P6.63
M' P6.59
LFR BOX
E P6.33
1030 PTP
1599 CRT
7430 TDA4680
G P6.44
7009 LM833N
7000 TDA1521Q
7001 TDA1521Q
7002 LM833N
7011 TDA1521Q
SQUEETER L
SQUEETER R
WOOFER
SURROUND R
SURROUND L
SOUND PROT.
7704 LM833
B P6.10
7450 TDA3654
7400 TDA2579
DAF
V.DEFL.
E/W
E/W PROT
H.DEFL.
100Hz
31250Hz
PROT
EHT
FOCUS
DYN FOCUS
VG2
AQUA
EHT INFO
FIL.
CS100
SC100
PIP, TDA4680
C.16532023/031.XREF
130392

Small signal panel
Kleinsignal Platte
Platine petits signaux

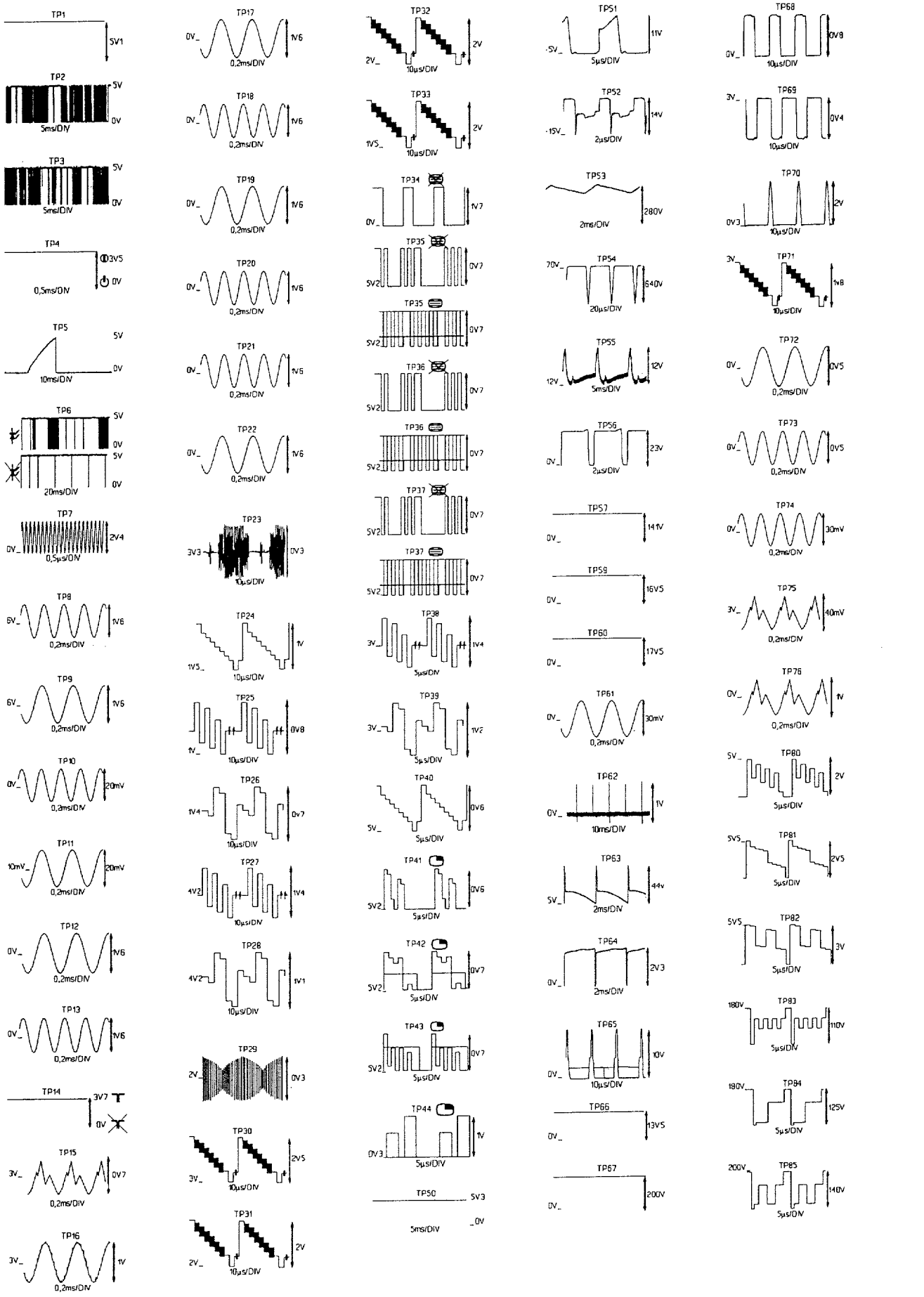


16532009/013,X001
210292

Large signal panel
Großsignal Platte
Platine forts signaux



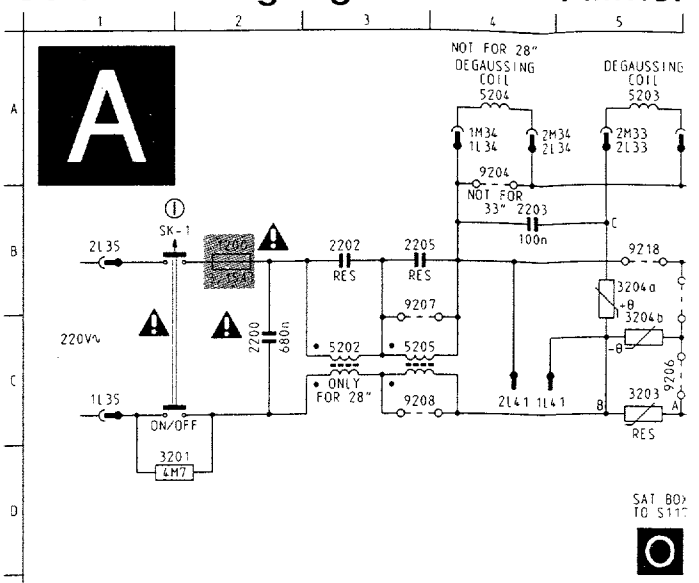
Oscillograms

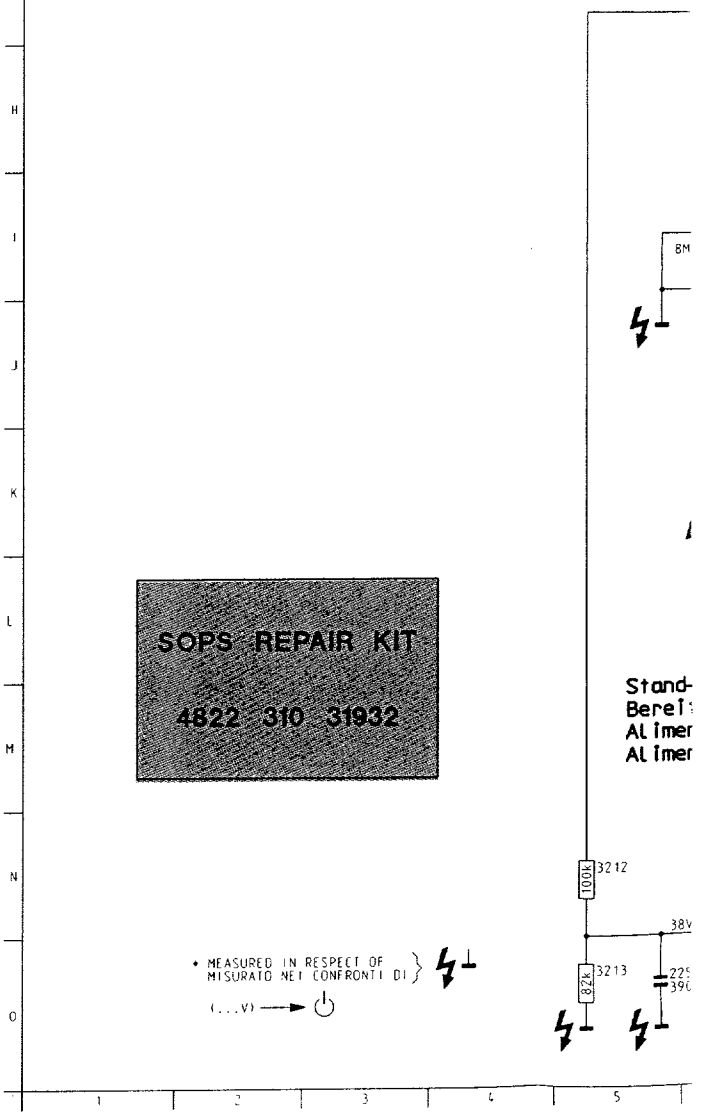


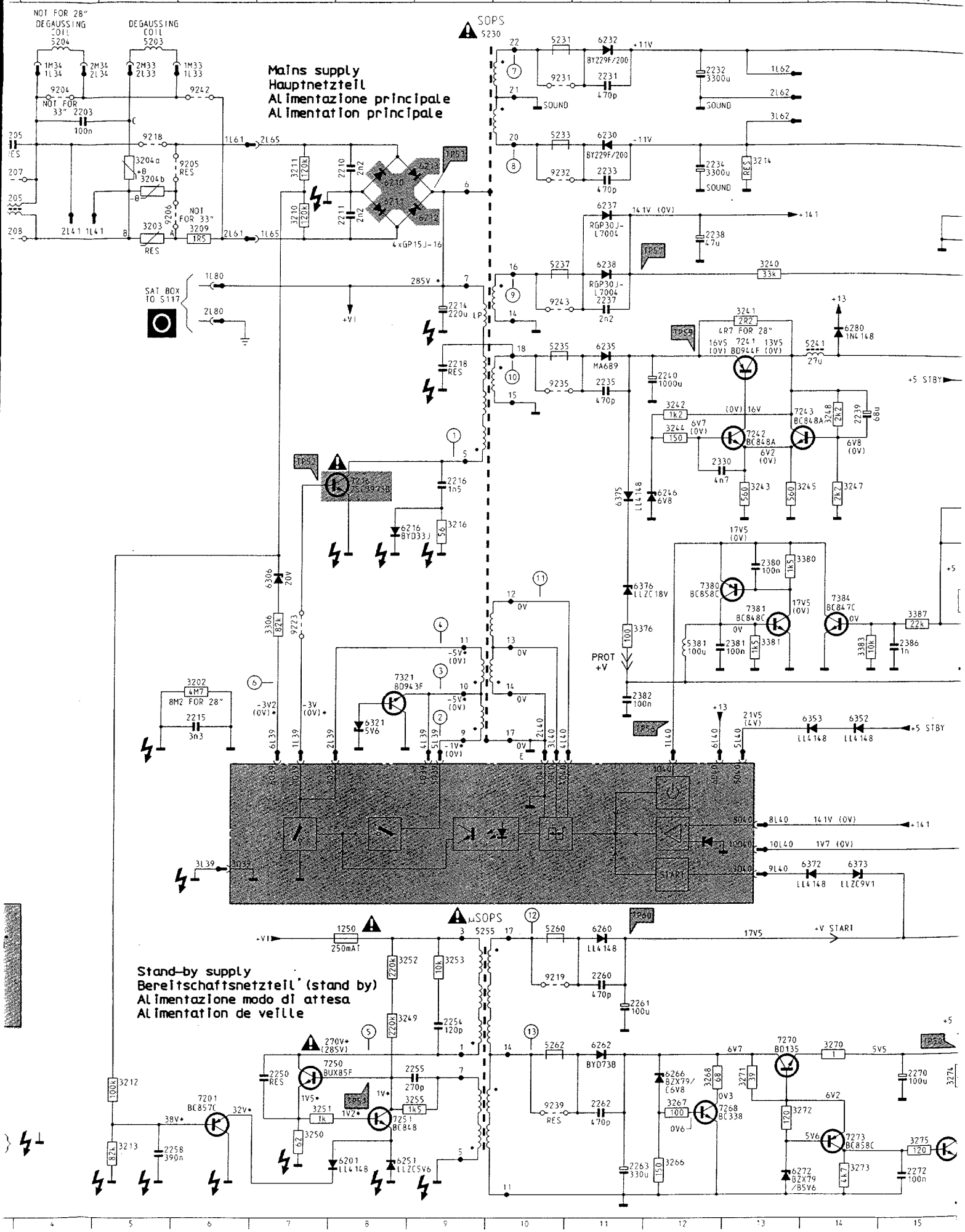
Power supply

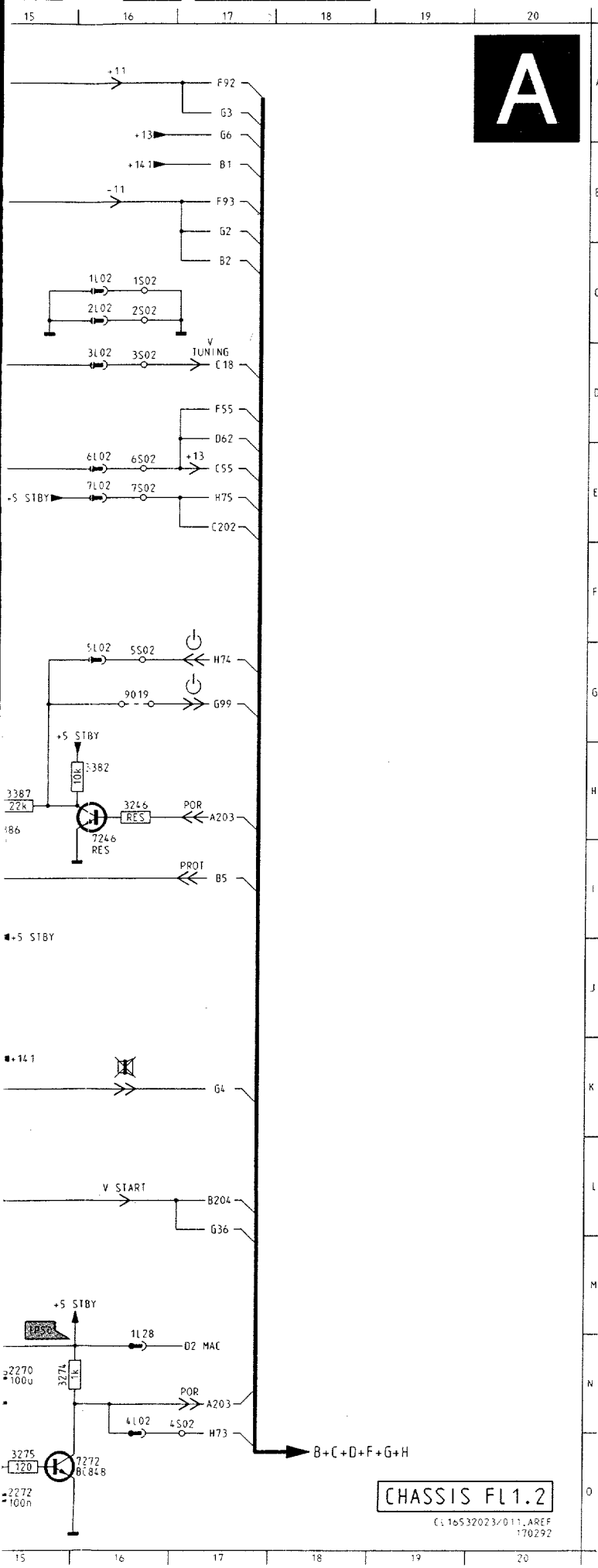
Stromversorgung

Alimer






Mains supply
Hauptnetzteil
Alimentazione principale
Alimentation principale
Stand-by supply
Bereitschaftsnetzteil (stand by)
Alimentazione modo di attesa
Alimentation de veille
SOPS
µSOPS
NOT FOR 28" DEGAUSSING COIL 5204
DEGAUSSING COIL 5203
NOT FOR 33"
NOT FOR 33"
SAT BOX TO S117
4xGP15J-16
BY229F/200
RGP30J-L7004
MA689
BD944F
BC848A
BC848C
BC858C
BC847C
BD135
BUX85F
BC857C
BC848
BD943F
BC639/738
BYD33J
BYD738
BZX79/C6V8
BZX79/B5V6
LL4148
LLZC18V
LLZC9V1
LLZC5V6
8D140
START
PROT +V
+V1
+V START
+5 STBY
+14
17V5
SOUND
RES



	1200	B 2	6373	K14
	1250	L 8	6375	G11
	2200	C 2	6376	H11
	2202	B 3	7201	N 6
A	2203	B 4	7216	F 8
	2205	B 3	7241	E13
	2210	B 8	7242	F13
	2211	C 8	7243	F13
	2214	D 9	7246	H16
	2215	I 6	7250	N 7
	2216	F 9	7251	N 8
	2218	E 9	7268	N12
B	2231	A11	7270	M13
	2232	A12	7272	O16
	2233	B11	7273	O14
	2234	B12	7321	I 8
	2235	E11	7380	H12
	2237	D11	7381	H13
	2238	C12	7384	H14
	2239	E14	9019	G16
C	2240	E12	9204	A 4
	2250	N 7	9205	B 6
	2254	M 9	9206	C 5
	2255	N 9	9207	B 3
	2258	O 5	9208	C 3
	2260	M11	9218	B 5
	2261	M11	9219	M10
D	2262	N11	9223	H 7
	2263	O11	9231	A10
	2270	N15	9232	B10
	2272	O15	9235	E10
	2330	F12	9239	N10
	2380	G13	9242	A 6
	2381	H12	9243	D10
	2382	I 11		
E	2386	H15		
	3201	D 1		
	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	B13		
	3216	G 9		
	3240	D13		
	3241	D13		
G	3242	E12		
	3243	F13		
	3244	F12		
	3245	F13		
	3246	H16		
	3247	F14		
	3248	E14		
	3249	M 8		
H	3250	O 7		
	3251	N 7		
	3252	L 8		
	3253	L 9		
	3255	N 9		
	3266	O12		
	3267	N12		
I	3268	N12		
	3270	N14		
	3271	N13		
	3272	N13		
	3273	O14		
	3274	N15		
	3275	O15		
J	3306	H 7		
	3376	H11		
	3380	G13		
	3381	H13		
	3382	H16		
	3383	H14		
	3387	H15		
	5202	C 3		
K	5203	A 5		
	5204	A 4		
	5205	C 3		
	5230	A 9		
	5231	A10		
	5233	B10		
	5235	E10		
	5237	D10		
L	5241	E14		
	5255	L 9		
	5260	L 10		
	5262	N10		
	5381	H12		
	6201	O 8		
	6210	C 8		
M	6211	C 8		
	6212	C 9		
	6213	B 9		
	6216	G 8		
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	6262	N11		
	6266	N12		
	6272	O13		
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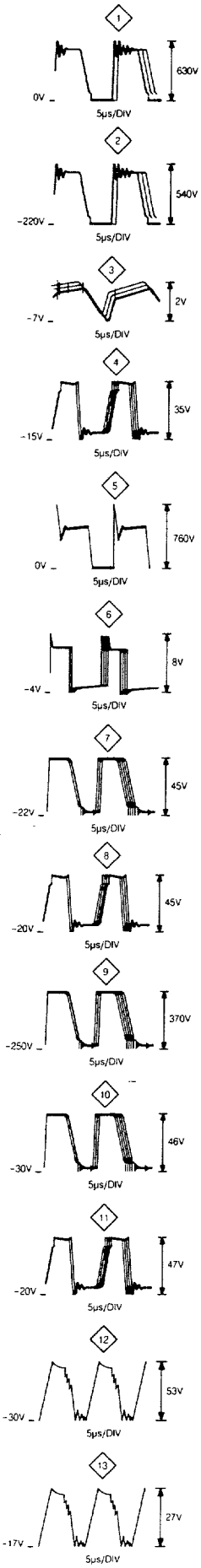
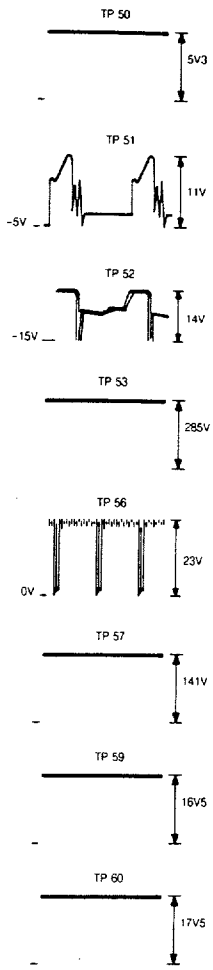
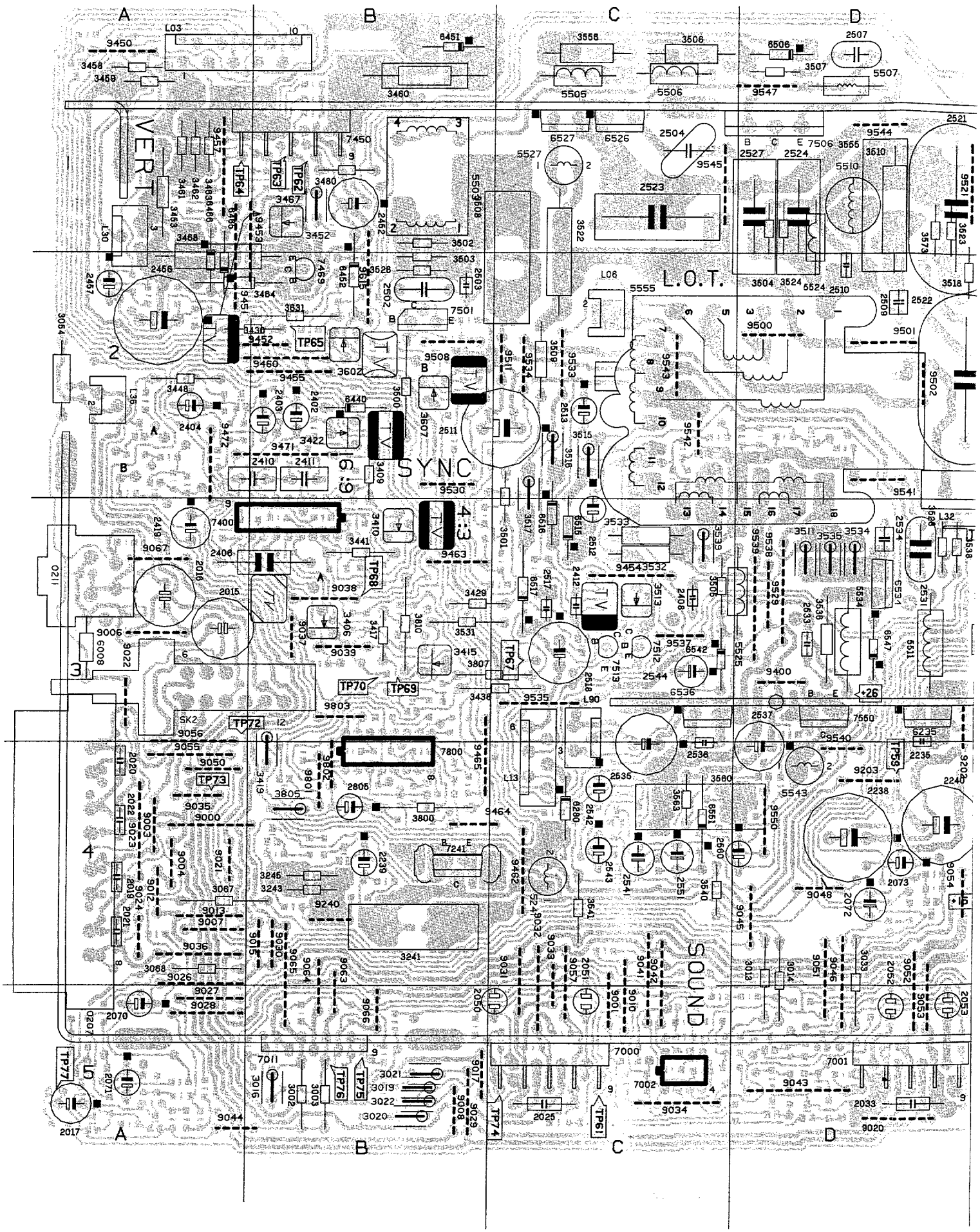
O	6306	H 7		
	6321	I 8		
	6352	I 14		
	6353	I 14		
	6372	K14		



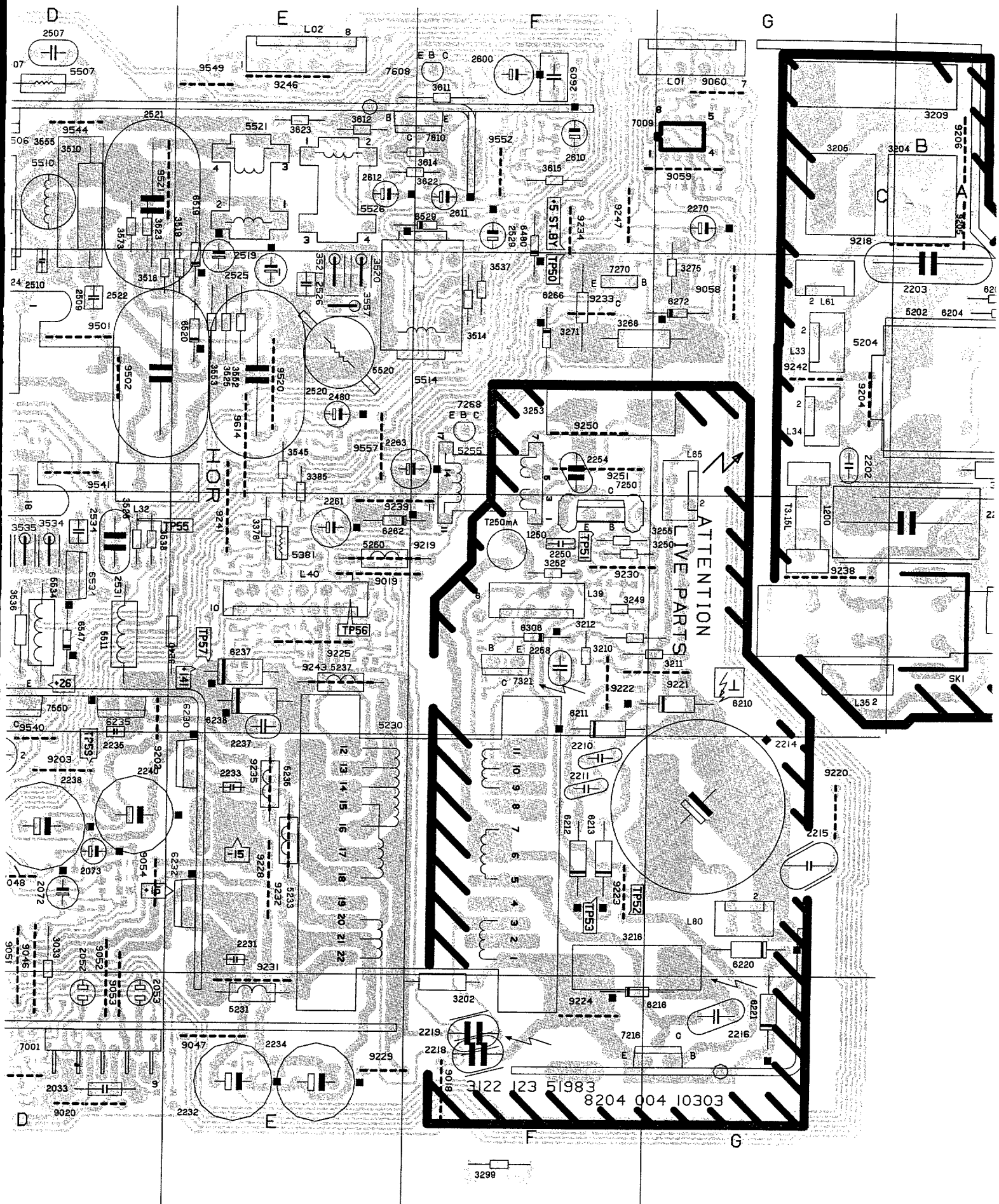


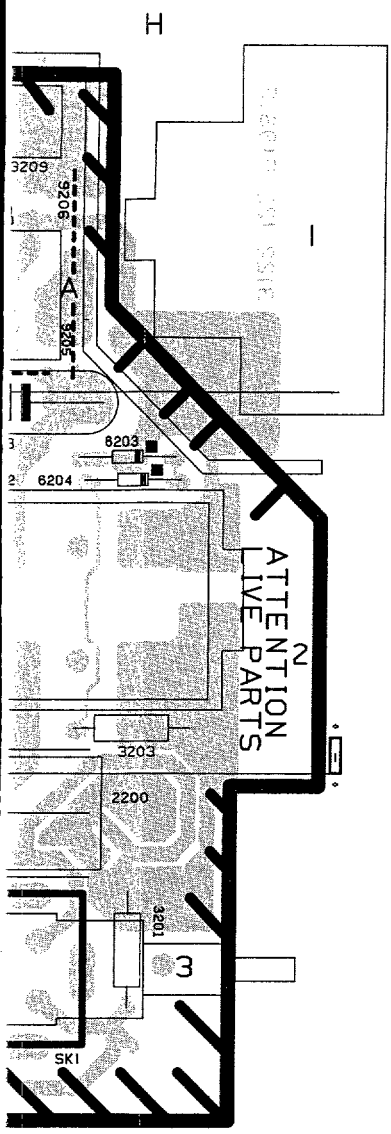
PRS 06958
T-26/113

Large signal panel Groß-signal Platine



Platine forts signaux





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L03 A1	2519 E2	3467 B1	5534 D3	9029 B5	9521 D1
L06 C2	2520 E2	3468 A2	5543 D4	9030 B4	9529 D3
L13 C4	2521 D1	3480 B1	5555 D3	9031 C4	9530 B2
L30 A1	2522 D2	3500 B2	6008 A3	9032 C5	9533 C2
L32 E2	2523 C1	3501 C2	6203 H2	9033 C4	9534 C2
L33 G2	2524 D1	3502 B1	6204 H2	9034 C5	9535 C3
L34 G2	2525 E2	3503 B2	6210 G3	9035 A4	9537 C3
L35 G3	2526 E2	3504 D1	6211 F3	9036 A4	9538 D3
L36 A2	2527 D1	3505 C3	6212 F4	9037 B3	9539 D3
L39 F3	2529 F1	3506 C1	6213 F4	9038 B3	9540 D4
L40 E3	2531 D3	3507 D1	6216 F5	9039 B3	9541 D2
L61 G2	2533 D3	3508 C2	6220 G4	9041 C4	9542 C2
L65 G2	2534 D3	3509 C2	6221 G5	9042 C4	9543 C2
L80 G4	2535 C4	3510 D1	6230 E4	9043 D5	9544 D1
L90 C3	2536 C4	3511 D3	6232 E4	9044 A5	9545 C1
SK1 G3	2537 D4	3513 C3	6235 D3	9045 D4	9547 D1
SK2 B3	2541 C4	3514 F2	6237 E3	9046 D4	9549 E1
0207 A4	2542 C4	3515 C2	6238 E3	9047 E5	9560 D4
0211 A3	2543 C4	3516 C2	6262 E3	9048 D4	9562 F1
1200 G3	2544 C3	3517 C2	6266 F2	9050 A4	9567 E2
1250 F3	2551 C4	3518 D2	6272 G2	9051 D4	9614 E2
2015 A3	2560 D4	3519 E2	6280 C4	9052 D5	9615 B2
2016 A3	2600 F1	3520 E2	6306 F3	9053 D5	9801 B4
2017 A5	2609 F1	3521 E2	6440 B2	9054 D4	9802 B4
2019 A4	2610 F1	3522 C1	6451 B1	9055 A4	9803 B3
2020 A4	2611 F1	3523 D1	6452 B2	9056 A3	
2021 A4	2612 E1	3524 D1	6465 A2	9057 C4	
2022 A4	2805 B4	3525 E2	6466 A2	9058 G2	
2025 C5	3002 B5	3526 B2	6480 F1	9059 G1	
2033 D5	3003 B5	3528 D3	6506 D1	9060 G1	
2050 C5	3013 D4	3531 B3	6515 C3	9063 B5	
2051 C5	3014 D4	3532 C3	6516 C3	9064 B5	
2052 D5	3016 B5	3533 C3	6517 C3	9065 B4	
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2072 D4	3022 B5	3537 F2	6527 C1	9203 D4	
2073 D4	3033 D4	3538 D3	6529 F1	9204 G2	
2200 H3	3054 A2	3539 C3	6534 D3	9205 H1	
2202 G2	3067 A4	3540 C4	6536 C3	9206 H1	
2203 H2	3068 A4	3541 C4	6542 C3	9218 H1	
2210 F4	3201 H3	3545 E2	6547 D3	9219 E3	
2211 F4	3202 F5	3552 E2	6551 C4	9220 G4	
2214 G4	3203 H2	3553 E2	7000 C5	9221 G3	
2215 G4	3204 H1	3555 D1	7001 D5	9222 F3	
2216 G5	3205 G1	3556 C1	7002 C5	9223 F4	
2218 F5	3209 G1	3557 E2	7009 G1	9224 F5	
2219 F5	3210 F3	3560 C4	7011 B5	9225 E3	
2231 E4	3211 G3	3563 C4	7216 G5	9228 E4	
2232 E5	3212 F3	3573 D1	7241 B4	9229 E5	
2233 E4	3216 F4	3602 B2	7250 F3	9230 F3	
2234 E5	3240 E3	3607 B2	7268 F2	9231 E5	
2235 D3	3241 B4	3611 F1	7270 F2	9232 E4	
2237 E3	3243 B4	3612 E1	7321 F3	9233 F2	
2238 D4	3245 B4	3614 E1	7400 B3	9234 F1	
2239 B4	3249 F3	3615 F1	7450 A1	9235 E4	
2240 D4	3250 F3	3622 E1	7469 B2	9238 G3	
2250 F3	3252 F3	3623 E1	7501 B2	9239 E3	
2254 F2	3253 F2	3631 B2	7506 D1	9240 B4	
2258 F3	3255 F3	3800 B4	7512 C3	9241 E3	
2261 E3	3268 F2	3805 B4	7513 C3	9242 G2	
2263 E2	3271 F2	3807 C3	7550 D3	9243 E3	
2270 G1	3275 G2	3810 B3	7608 F1	9246 E1	
2402 B2	3299 F5	5202 H2	7610 E1	9247 F1	
2403 B2	3376 E3	5204 H2	7800 B4	9250 F2	
2404 A2	3385 E2	5230 F4	9000 A4	9251 F2	
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2408 C3	3409 B2	5233 E4	9003 A4	9450 A1	
2410 B2	3410 B3	5235 E4	9004 A4	9451 A2	
2411 B2	3415 B3	5237 E3	9006 A3	9452 B2	
2412 C3	3417 B3	5241 C4	9007 A4	9453 A1	
2419 A3	3419 B4	5255 F3	9008 B5	9454 C3	
2452 B1	3422 B2	5260 E3	9010 C5	9455 B2	
2456 A2	3429 B3	5381 E3	9012 A4	9457 A1	
2457 A2	3430 B2	5503 B1	9013 A4	9460 B2	
2480 E2	3438 C3	5505 C1	9015 B4	9462 C4	
2502 B2	3441 B3	5506 C1	9017 B5	9463 B3	
2503 B2	3448 A2	5507 D1	9018 F5	9464 B4	
2504 C1	3452 B1	5510 D1	9019 E3	9465 B4	
2507 D1	3453 A1	5511 D3	9020 D5	9471 B2	
2509 D2	3458 A1	5514 F2	9021 A4	9472 A2	
2510 D2	3459 A1	5520 E2	9022 A3	9500 D2	
2511 C2	3460 B1	5521 E1	9023 A4	9501 D2	
2512 C3	3461 A1	5524 D1	9024 A4	9502 D2	
2513 C2	3462 A1	5525 D3	9026 A4	9508 B2	

Large signal panel Groß-s

L01 F1	2219 F5	2545 C3	3241 B4	3479 F2	3617 F1	6010 A5	7242 B4	9047 E5	9550 D4
L02 E1	2231 E4	2546 D2	3242 B4	3480 B1	3618 B2	6011 D5	7243 B4	9048 D4	9552 F1
L03 A1	2232 E5	2547 C2	3243 B4	3481 F2	3619 F1	6012 D5	7246 E1	9050 A4	9557 E2
L06 C2	2233 E4	2548 D2	3244 B4	3482 F2	3620 F1	6014 C5	7250 F3	9051 D4	9614 E2
L13 C4	2234 E5	2551 C4	3245 B4	3484 B3	3621 F1	6016 B5	7251 F3	9052 D5	9615 B2
L30 A1	2235 D3	2560 D4	3246 E1	3485 E2	3622 E1	6021 D4	7268 F2	9053 D5	9801 B4
L32 E2	2237 E3	2600 F1	3247 B4	3500 B2	3623 E1	6201 F3	7270 F2	9054 D4	9802 B4
L33 G2	2238 D4	2601 B2	3248 B4	3501 C2	3626 A2	6203 H2	7272 G1	9055 A4	9803 B3
L34 G2	2239 B4	2604 B2	3249 F3	3502 B1	3627 B4	6204 H2	7273 F2	9056 A3	
L35 G3	2240 D4	2605 F1	3250 F3	3503 B2	3628 A1	6210 G3	7321 F3	9057 C4	
L36 A2	2250 F3	2606 C3	3251 F3	3504 D1	3629 B2	6211 F3	7380 E3	9058 G2	
L39 F3	2254 F2	2607 B3	3252 F3	3505 C3	3630 F1	6212 F4	7381 E3	9059 G1	
L40 E3	2255 F3	2609 F1	3253 F2	3506 C1	3631 B2	6213 F4	7384 E3	9060 G1	
L61 G2	2258 F3	2610 F1	3255 F3	3507 D1	3632 C3	6216 F5	7385 E3	9063 B5	
L65 G2	2260 E3	2611 F1	3266 F2	3508 C2	3633 B2	6220 G4	7400 B3	9064 B5	
L80 G4	2261 E3	2612 E1	3267 F2	3509 C2	3650 A2	6221 G5	7402 C3	9065 B4	
L90 C3	2262 E3	2613 F1	3268 F2	3510 D1	3651 A2	6230 E4	7417 B3	9066 B5	
SK1 G3	2263 E2	2614 F1	3270 F2	3511 D3	3652 A2	6232 E4	7443 A2	9067 A3	
SK2 B3	2270 G1	2615 F1	3271 F2	3512 C3	3653 A2	6235 D3	7444 A2	9202 D3	
0207 A4	2272 G2	2626 A2	3272 F2	3513 C3	3800 B4	6237 E3	7450 A1	9203 D4	
0211 A3	2330 B4	2633 B2	3273 G2	3514 F2	3801 B4	6238 E3	7451 A1	9204 G2	
1200 G3	2380 E3	2652 A2	3274 G1	3515 C2	3802 B4	6246 B4	7469 B2	9205 H1	
1250 F3	2381 E3	2801 B4	3275 G2	3516 C2	3803 B4	6251 F3	7480 F2	9206 H1	
2001 G1	2382 E3	2805 B4	3298 F6	3517 C2	3804 B4	6260 E3	7481 E2	9218 H1	
2002 G1	2386 E3	2806 B4	3299 F6	3518 D2	3805 B4	6262 E3	7501 B2	9219 E3	
2003 G1	2401 B3	3000 D5	3306 F3	3519 E2	3806 B4	6266 F2	7506 D1	9220 G4	
2007 B5	2402 B2	3001 D5	3376 E3	3520 E2	3807 C3	6272 G2	7512 C3	9221 G3	
2008 B5	2403 B2	3002 B5	3380 E3	3521 E2	3809 B4	6280 C4	7513 C3	9222 F3	
2009 G1	2404 A2	3003 B5	3381 E3	3522 C1	3810 B3	6306 F3	7530 F1	9223 F4	
2011 D5	2405 A2	3004 C5	3382 E3	3523 D1	4000 A5	6321 F3	7540 C4	9224 F5	
2012 C5	2406 B3	3005 D5	3383 E3	3524 D1	4001 D5	6352 E3	7541 C4	9225 E3	
2013 C6	2407 B2	3006 C5	3384 E3	3525 E2	4003 A5	6353 E3	7542 C4	9228 E4	
2015 A3	2408 C3	3008 C5	3385 E2	3526 B2	4004 C5	6372 E3	7543 D2	9229 E5	
2016 A3	2409 B2	3009 C5	3386 E3	3527 F1	4005 C5	6373 E3	7550 D3	9230 F3	
2017 A5	2410 B2	3011 C5	3387 E3	3528 D3	4006 D5	6375 E3	7551 D4	9231 E5	
2018 A5	2411 B2	3012 C5	3402 B2	3529 F1	4007 C5	6376 E3	7552 C4	9232 E4	
2019 A4	2412 C3	3013 D4	3403 B2	3530 F1	4074 A5	6403 C3	7601 F1	9233 F2	
2020 A4	2413 C3	3014 D4	3404 A2	3531 B3	4200 E3	6404 C3	7602 F1	9234 F1	
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2035 C5	2460 B1	3035 D5	3421 B3	3545 E2	4511 F1	6519 E2	9004 A4	9451 A2	
2038 D4	2480 E2	3036 D4	3422 B2	3546 C4	4512 D4	6520 E2	9006 A3	9452 B2	
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2046 B5	2510 D2	3050 G1	3439 B2	3553 E2	5230 F4	6546 C2	9017 B5	9463 B3	
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2052 D5	2517 C3	3054 A2	3443 A2	3558 C2	5237 E3	6611 B2	9021 A4	9472 A2	
2053 D5	2518 C3	3060 B5	3444 B2	3560 C4	5241 C4	6633 B2	9022 A3	9500 D2	
2056 C5	2519 E2	3065 C4	3448 A2	3561 C4	5255 F3	6650 A2	9023 A4	9501 D2	
2057 C5	2520 E2	3066 C5	3450 A1	3562 D4	5260 E3	6801 B3	9024 A4	9502 D2	
2058 D5	2521 D1	3067 A4	3451 A1	3563 C4	5381 E3	6802 B4	9026 A4	9508 B2	
2059 E5	2522 D2	3068 A4	3452 B1	3564 D3	5503 B1	6803 B4	9027 A5	9511 C2	
2060 B5	2523 C1	3069 A4	3453 A1	3570 C4	5505 C1	6804 B3	9028 A5	9520 E2	
2061 B5	2524 D1	3072 A4	3455 A1	3573 D1	5506 C1	7000 C5	9029 B5	9521 D1	
2065 C4	2525 E2	3073 A5	3456 A2	3601 C3	5507 D1	7001 D5	9030 B4	9529 D3	
2066 D5	2526 E2	3074 A5	3457 A2	3602 B2	5510 D1	7002 C5	9031 C4	9530 B2	
2070 A5	2527 D1	3201 H3	3458 A1	3603 B2	5511 D3	7003 A5	9032 C5	9533 C2	
2071 A5	2529 F1	3202 F5	3459 A1	3604 B2	5514 F2	7004 A5	9033 C4	9534 C2	
2072 D4	2530 F1	3203 H2	3460 B1	3605 C2	5520 E2	7005 D5	9034 C5	9535 C3	
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2074 A5	2533 D3	3205 G1	3462 A1	3607 B2	5524 D1	7007 D5	9036 A4	9538 D3	
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2202 G2	2535 C4	3210 F3	3464 A2	3609 F1	5526 E1	7009 G1	9038 B3	9540 D4	
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2214 G4	2541 C4	3214 E5	3468 A2	3613 B2	5555 D3	7013 A5	9043 D5	9544 D1	
2215 G4	2542 C4	3215 E5	3469 A1	3614 E1	6000 A5	7201 F3	9044 A5	9545 C1	
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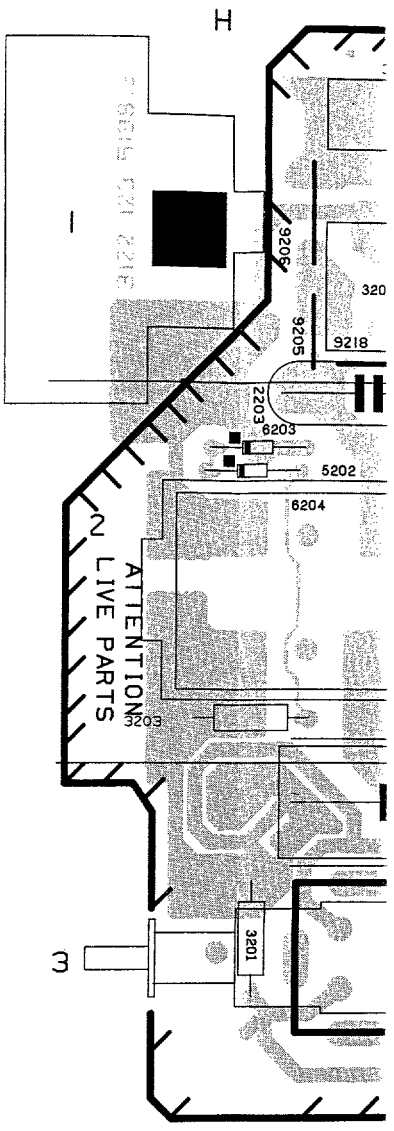

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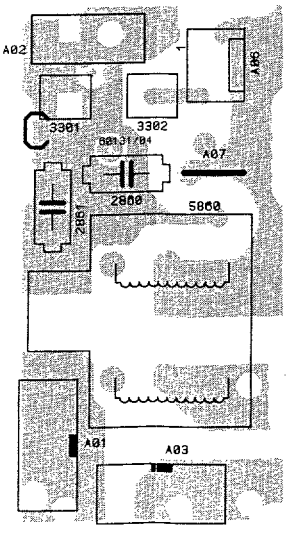
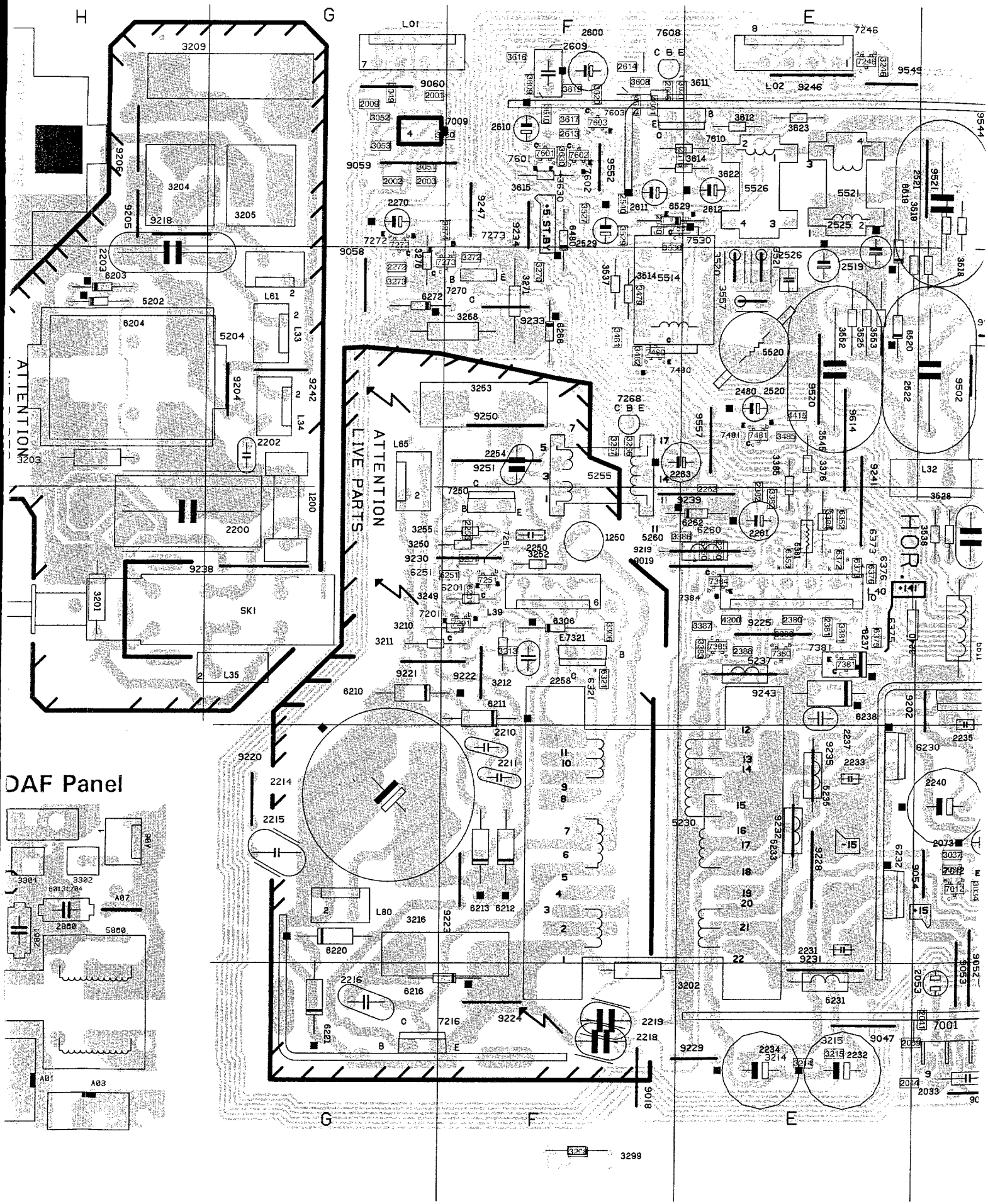
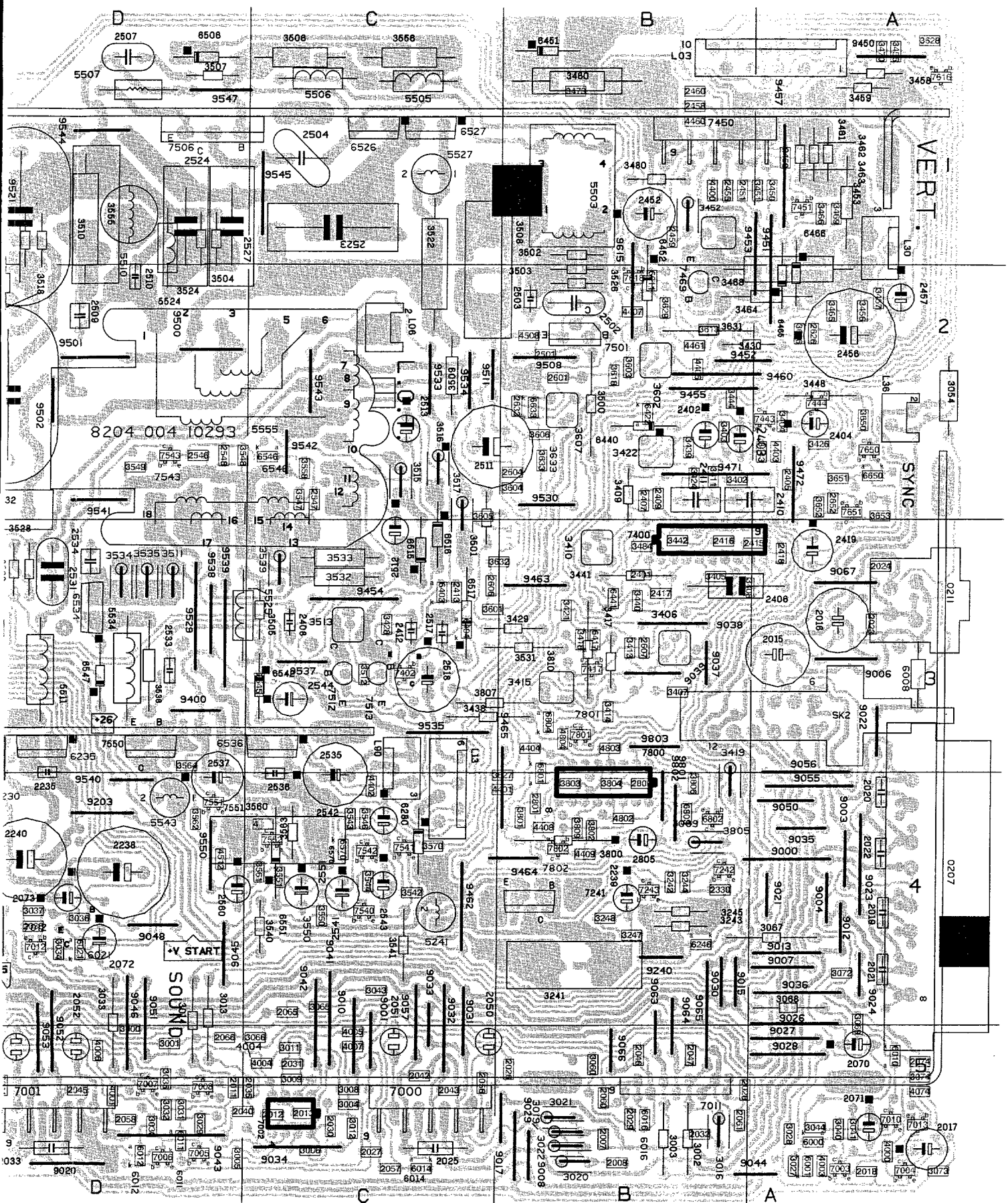


anel Groß-signal Platine Platine forts signaux



DAF Panel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SOUND
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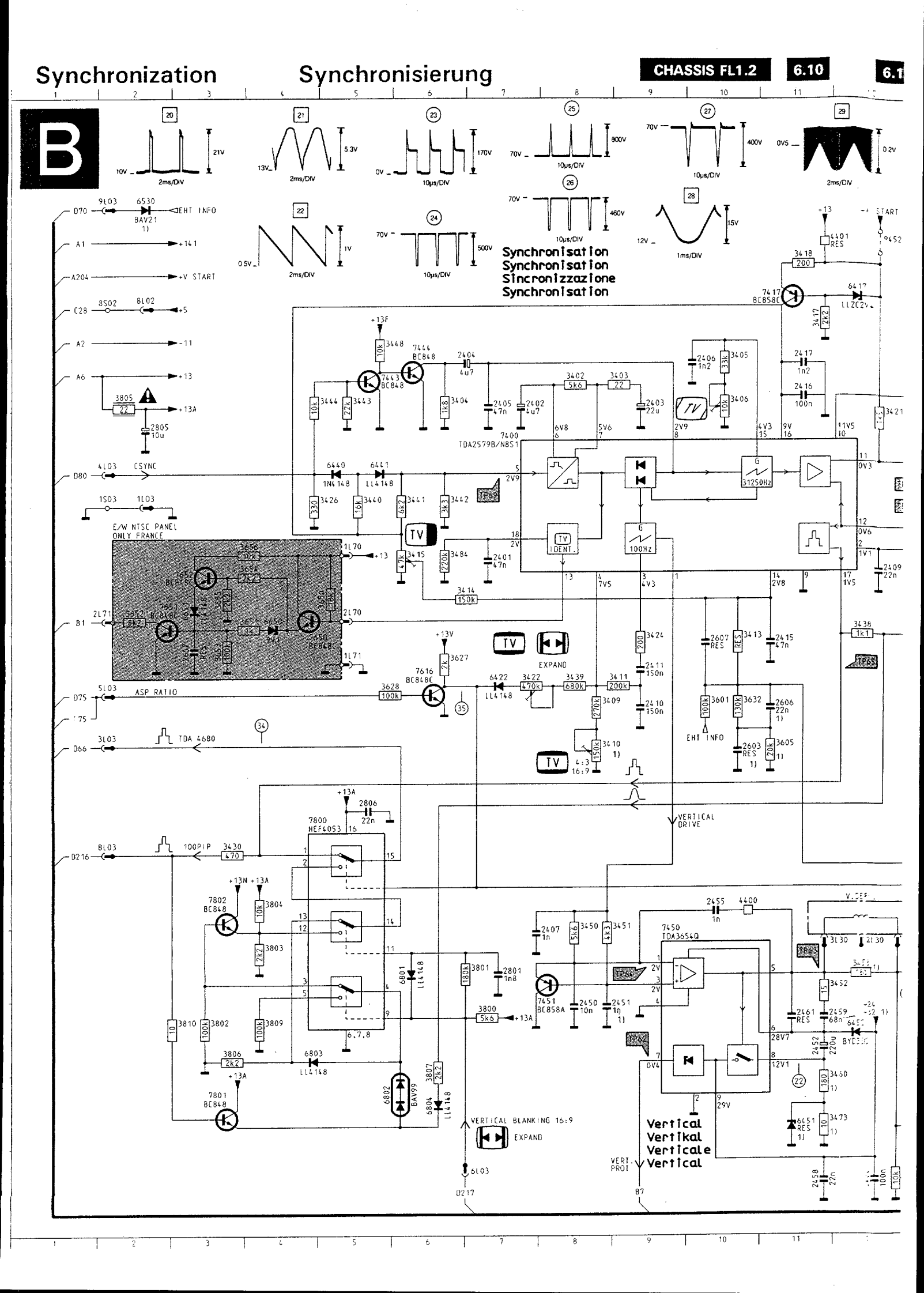
+V START
L.O.T.
SK2
D
C
B
A

B


Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
Vertical
Vertikal
Verticale
Vertical
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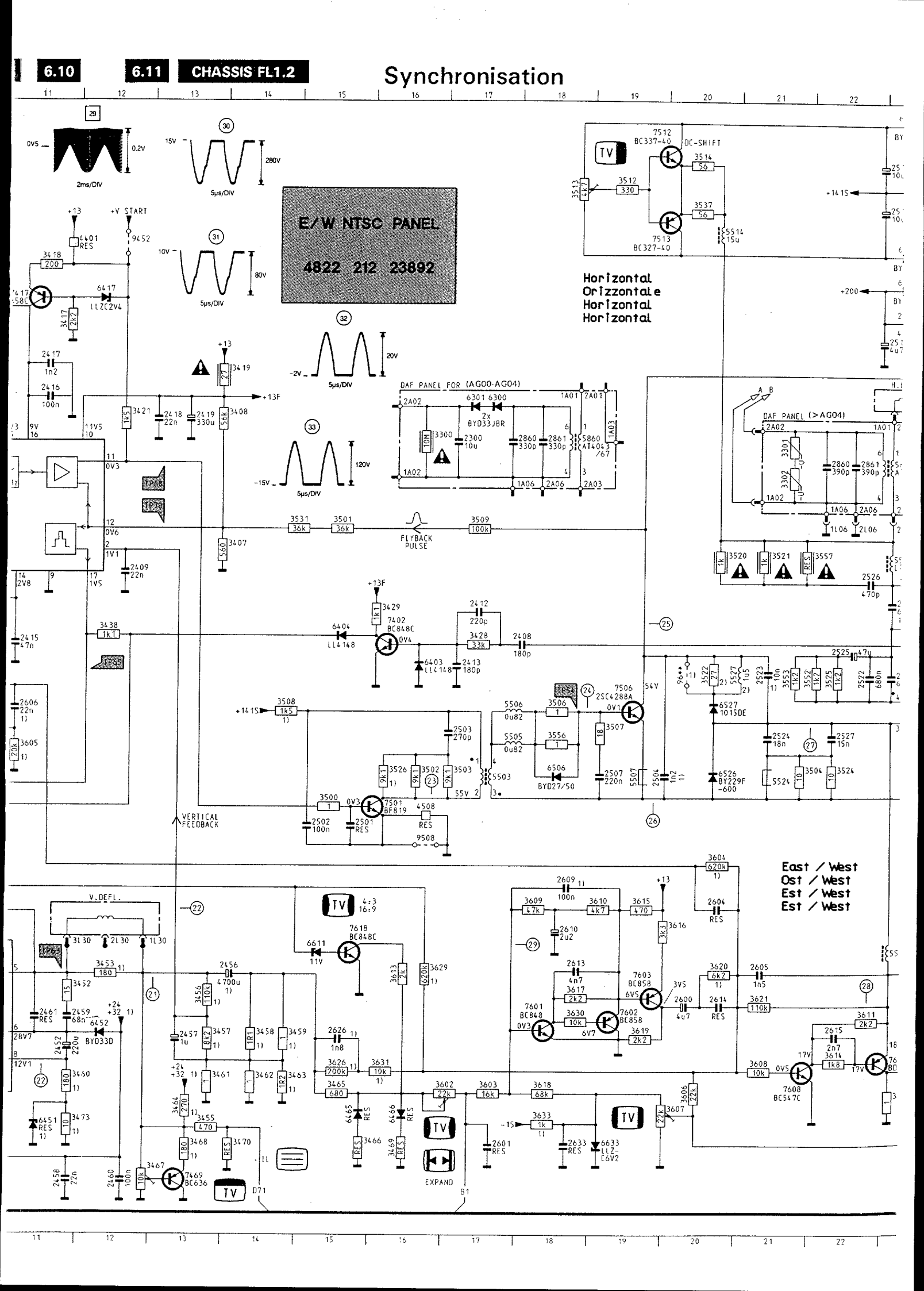
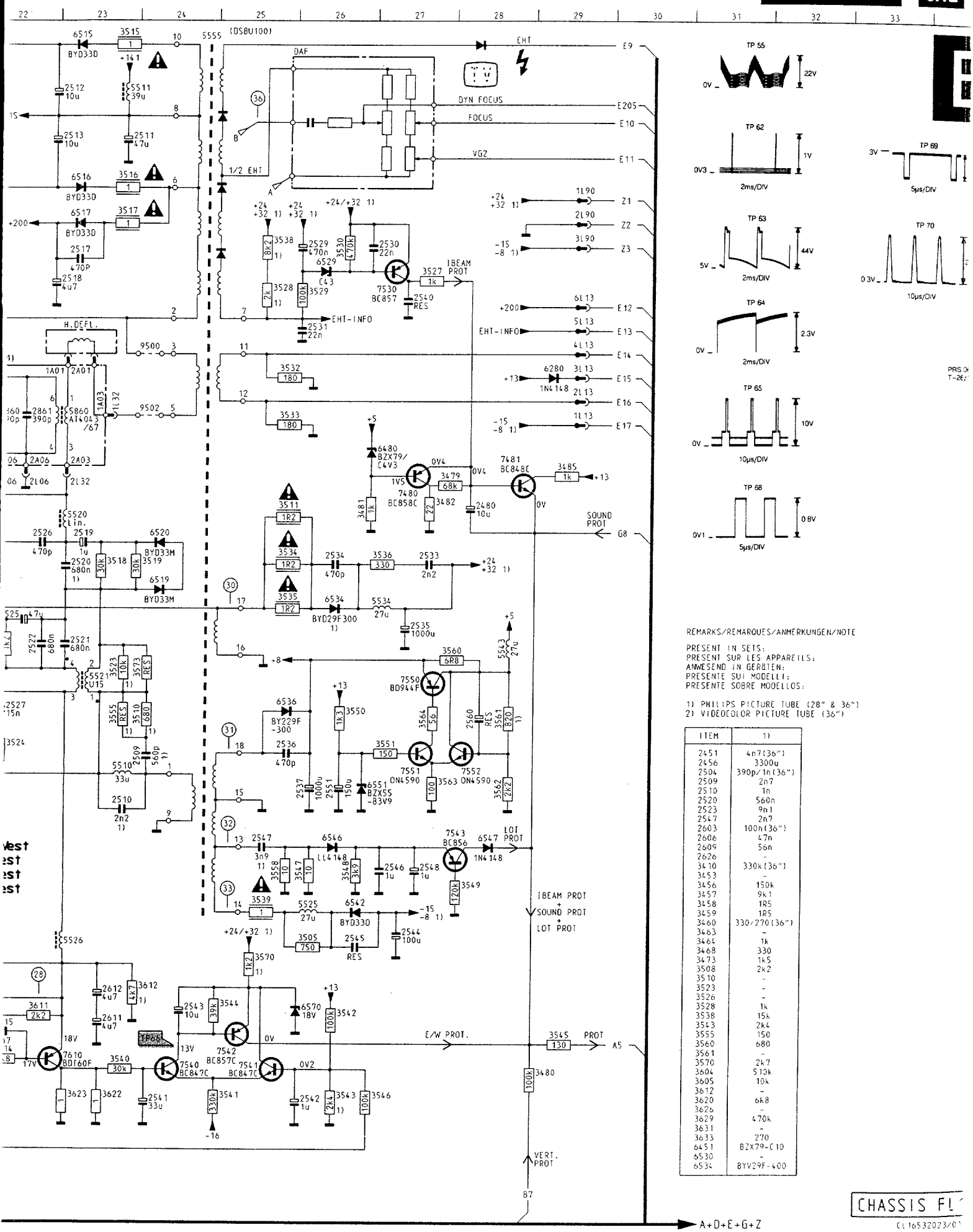
BAV21
BAV99
LL4148
1N4148
EHT INFO
ASP RATIO
EXPAND
VERTICAL DRIVE
VERTICAL BLANKING 16:9
E/W NTSC PANEL ONLY FRANCE
CSYNC
100PIP

Synchronisation

E/W NTSC PANEL

4822 212 23892





REMARKS/REMARQUES/ANMERKUNGEN/NOTE

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

1) PHILIPS PICTURE TUBE (28" & 36")
2) VIDEOCOLOR PICTURE TUBE (36")

ITEM	1)
2451	4n7(36")
2456	3300u
2504	390p/1n(36")
2509	2n7
2510	1n
2520	560n
2523	9n1
2547	2n7
2603	100n(36")
2606	47n
2609	56n
2626	-
3410	330k(36")
3453	-
3456	150k
3457	9k1
3458	1R5
3459	1R5
3460	330+270(36")
3463	-
3464	1k
3468	330
3473	1k5
3508	2k2
3510	-
3523	-
3526	-
3528	1k
3538	15k
3543	2k4
3555	150
3560	680
3561	-
3570	2k7
3604	510k
3605	10k
3612	-
3620	6k8
3626	-
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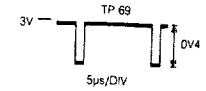
3631	-
3633	270
6451	BZX79-C10
6530	-
6534	BYV29F-400

33 34

B



PRS 06959
T-26/113

NOTE

3 36")
5")

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	ON45	J28	3424	G 9	3612	L24	7550	I27
	2300	E17	3426	F 5	3613	L16	7601	M18
	2401	G 7	3428	H17	3614	M22	7602	M19
A	2402	D 7	3429	G16	3615	K19	7603	L19
	2403	D 9	3430	J 3	3616	K20	7608	N21
	2404	D 7	3438	G12	3617	L18	7610	M23
	2405	D 7	3439	H 8	3618	N18	7616	H 6
	2406	D10	3440	F 5	3619	M19	7618	L15
	2407	L 8	3441	F 6	3620	L20	7650	G 4
	2408	H18	3442	F 6	3621	M21	7651	G 3
B	2409	G12	3443	D 5	3622	N23	7652	G 3
	2410	I 9	3444	D 5	3623	N23	7800	J 4
	2411	H 9	3448	D 5	3626	M15	7801	N 3
	2412	G17	3450	K 8	3627	H 6	7802	K 3
	2413	H17	3451	K 9	3628	H 5	9452	B12
	2415	H11	3452	L11	3629	L16	9500	D24
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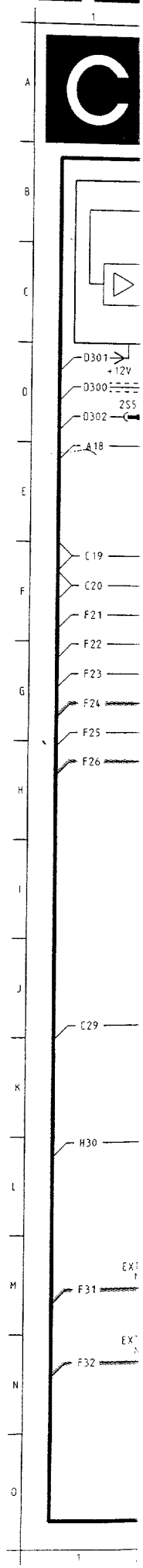
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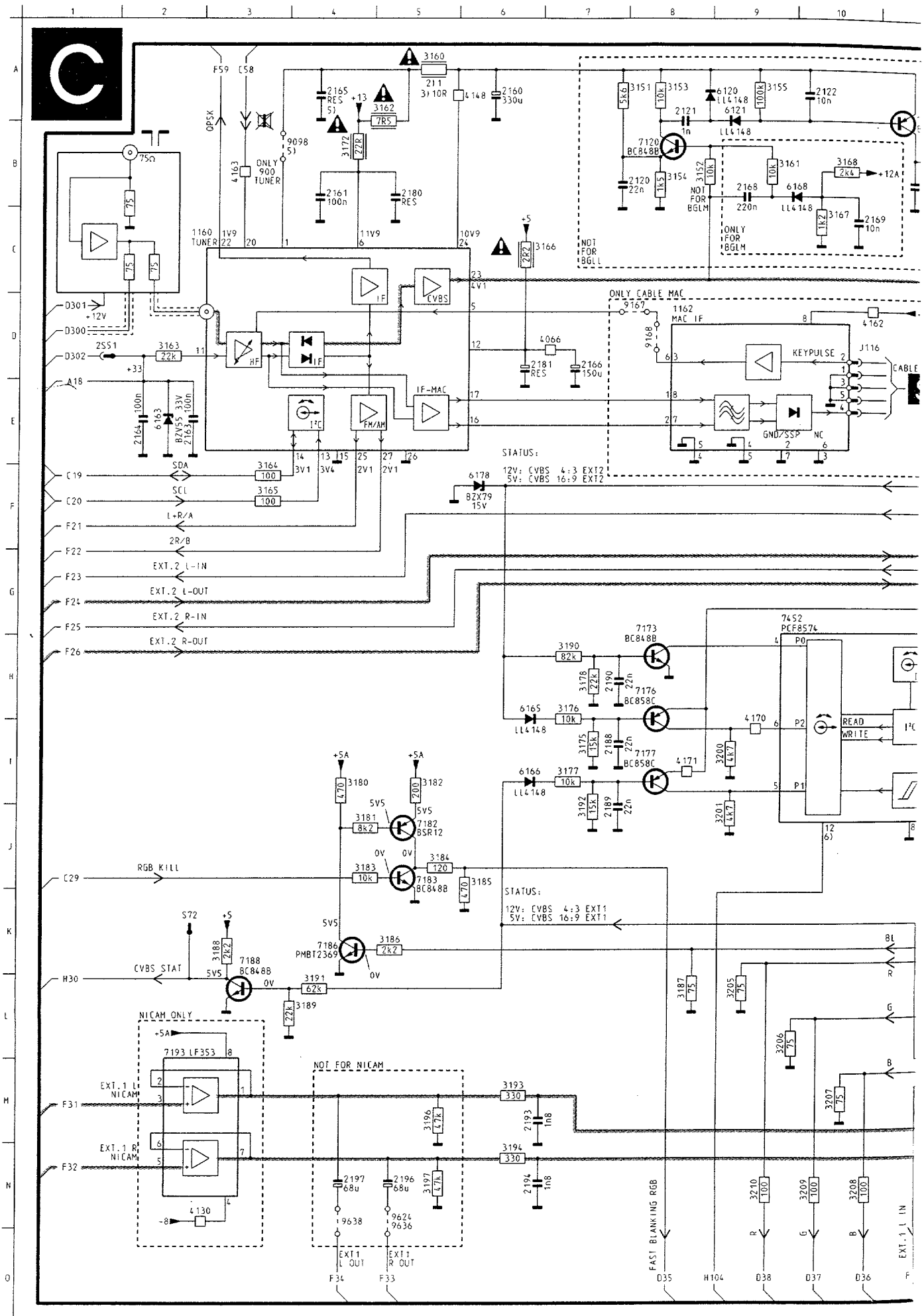

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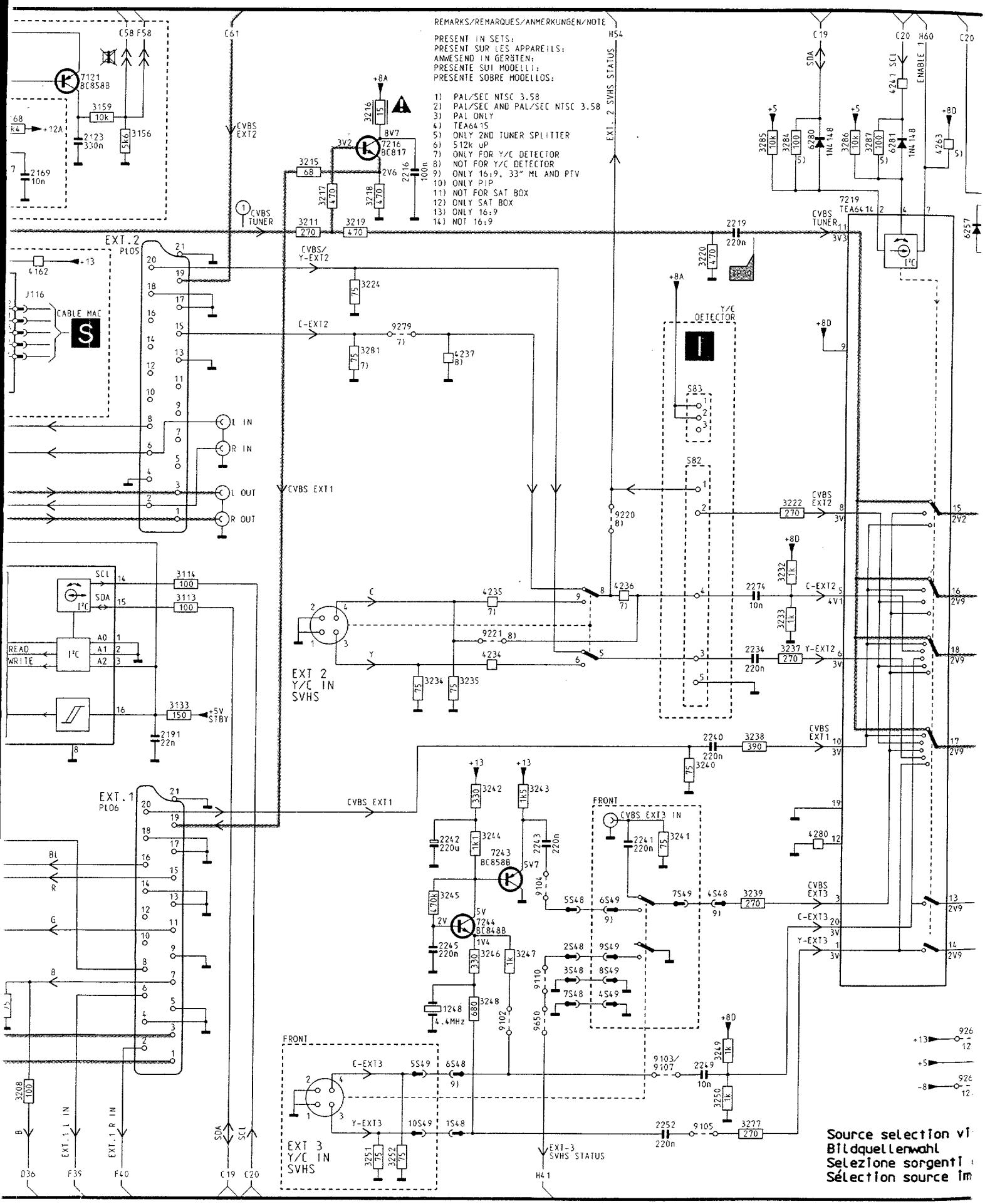

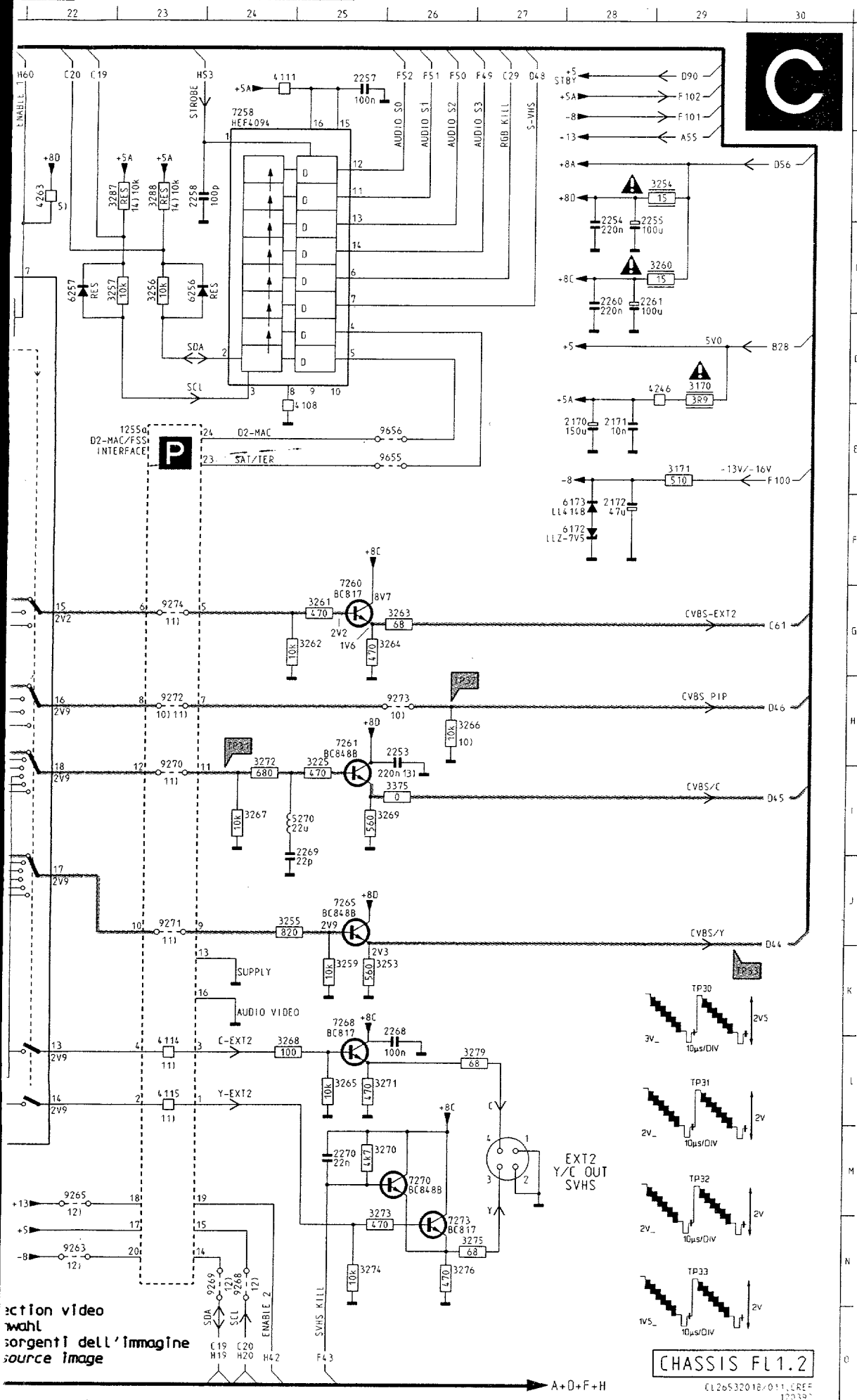

CHASSIS FL1.2

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3215	C14	7452	G 9		
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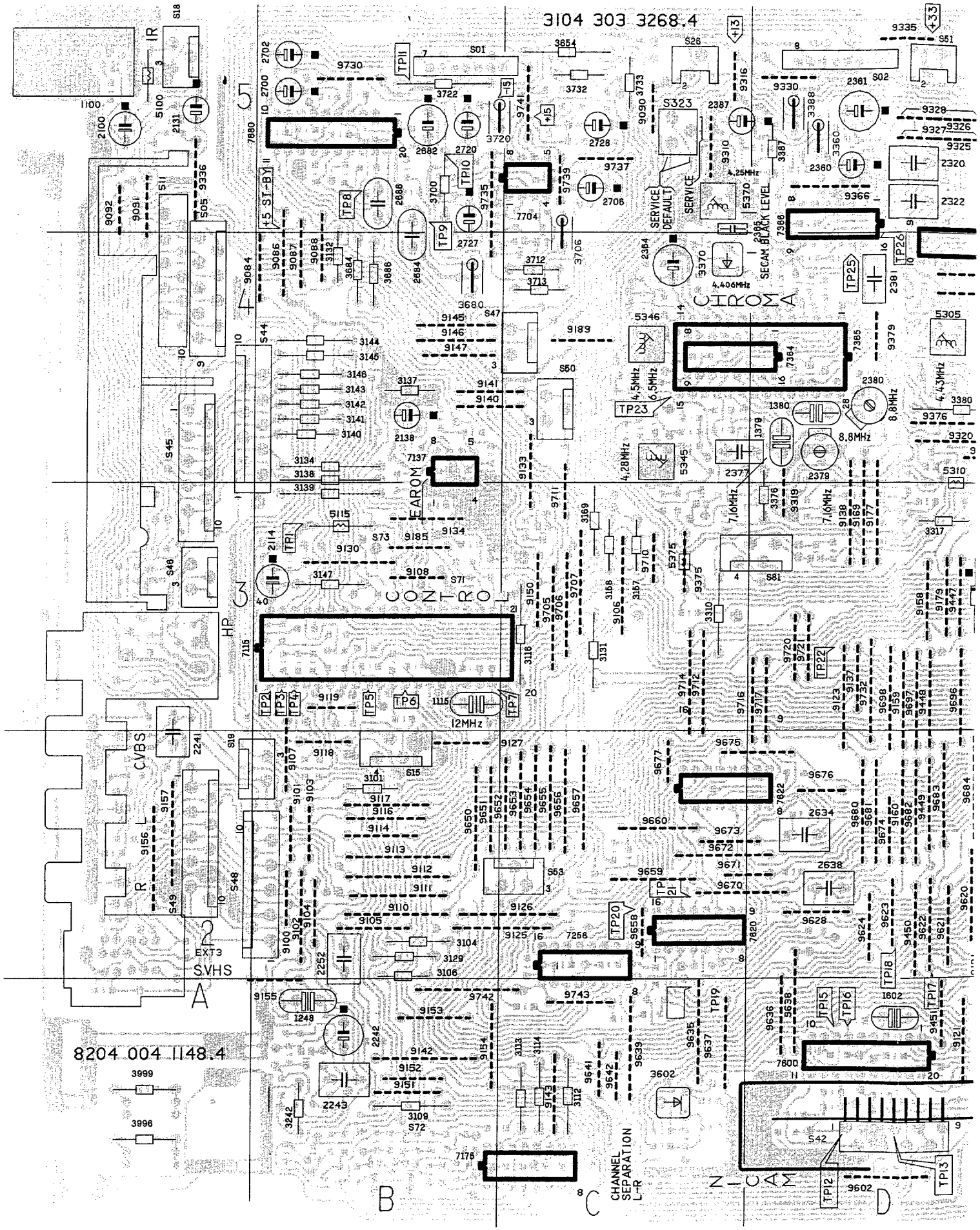
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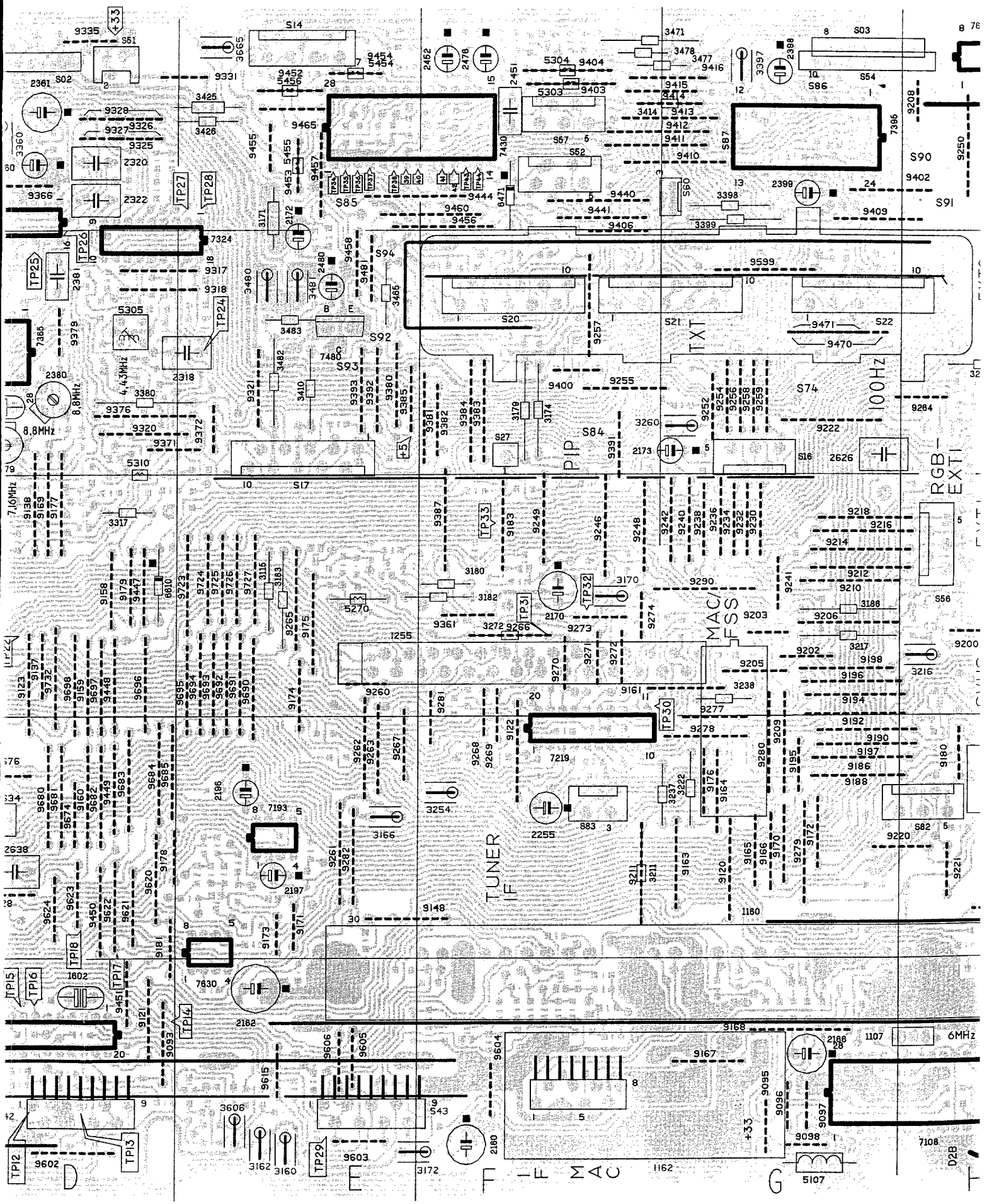

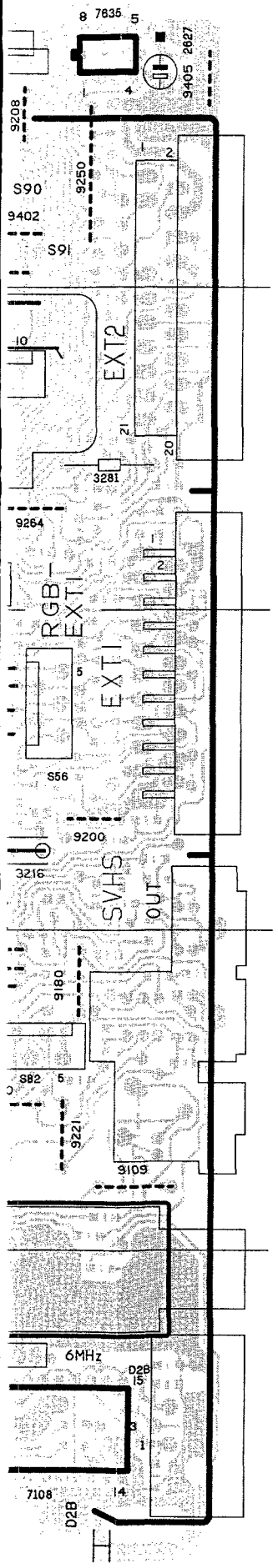

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S03	H5	2720	B5	3720	B5	9151	B1	9270	F3	9622	D2
S05	A4	2727	B5	3722	B5	9152	B1	9271	F3	9623	D2
S11	A5	2728	C5	3732	C5	9153	B1	9272	F3	9624	D2
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2627	H5	3654	C5	9140	B4	9261	E2	9599	G4		
2634	D2	3665	E5	9141	B4	9262	E2	9602	D1		

Small signal panel — Klein-signal Platine — Platine

D2B H1	2180 G1	2392 G4	3102 B3	3189 B1	3310 C3	3604 C1	4162 F1	6173 E4	7622 C2	9175 E3	9330 D5	9671 D2
EXT1 H3	2181 G1	2395 G5	3103 B3	3190 B1	3311 E3	3605 E1	4163 F2	6178 H4	7630 E1	9176 G2	9331 E5	9672 C2
EXT2 H4	2188 B1	2396 G5	3104 B2	3191 B1	3312 D4	3606 E1	4164 G4	6205 G3	7635 H5	9177 D3	9335 D5	9673 C2
EXT3 A3	2189 B1	2397 G5	3105 B1	3192 B1	3313 D3	3607 C1	4165 F3	6206 G3	7660 E2	9178 D2	9336 A5	9674 D2
SVHS H2	2190 B1	2398 G5	3106 B2	3193 H4	3314 D3	3608 E1	4166 E1	6207 G3	7661 E2	9179 D3	9361 F3	9675 D2
S01 B5	2191 C1	2399 G5	3107 H1	3194 H3	3315 D3	3610 E1	4170 C1	6256 C2	7662 C5	9180 H2	9366 D5	9676 D2
S02 D5	2193 H4	2400 G5	3108 G1	3195 B3	3316 D3	3612 D1	4171 B1	6257 C1	7680 B5	9181 D2	9371 D4	9677 C2
S03 H5	2194 H4	2433 F5	3109 B1	3196 E2	3317 D3	3615 E1	4184 E3	6280 F2	7704 C5	9183 F3	9372 E4	9680 D2
S05 A4	2196 E2	2434 F5	3110 H1	3197 E2	3323 D4	3616 E1	4200 C5	6281 F2	7706 C4	9185 B3	9375 C3	9681 D2
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S15 B2	2219 G3	2438 F5	3113 C1	3200 B1	3326 D4	3619 E1	4205 G4	6386 D5	7732 C5	9189 C4	9380 E4	9684 D2
S16 G4	2220 G3	2440 F5	3114 C1	3201 B1	3327 D4	3620 D1	4209 G4	6387 D5	9084 B4	9190 G2	9381 F4	9685 D2
S17 E4	2234 H2	2442 E5	3115 E3	3202 B1	3328 D5	3622 D1	4210 G5	6450 E5	9086 B4	9192 G3	9382 F4	9690 E3
S18 A5	2240 H3	2445 E5	3116 C3	3205 H3	3329 D4	3624 H3	4220 H4	6465 F5	9087 B4	9194 G3	9383 F4	9691 E3
S19 B2	2241 A2	2446 E5	3117 B3	3206 H3	3330 D5	3626 G4	4234 H2	6470 F5	9088 B4	9195 G2	9384 F4	9692 E3
S20 F4	2242 B1	2447 E5	3118 B3	3207 H4	3331 D5	3628 H4	4235 H2	6471 F5	9090 C5	9196 G3	9385 E4	9693 E3
S21 F4	2243 B1	2450 E5	3119 B4	3208 H3	3336 D4	3630 D2	4236 H2	6478 G5	9091 A5	9197 G2	9387 F3	9694 E3
S22 G4	2245 B1	2451 F5	3120 B3	3209 H3	3337 C3	3632 H4	4237 H2	6479 F5	9092 A5	9198 G3	9391 F4	9695 E3
S26 C5	2249 F3	2452 F5	3121 C3	3210 H3	3338 C4	3634 D2	4241 F2	6480 E4	9093 D1	9200 H3	9392 E4	9696 D3
S27 F4	2250 F3	2453 E5	3122 B3	3211 F2	3339 C4	3636 H4	4246 F3	6481 F5	9095 G1	9202 G3	9393 E4	9697 D3
S42 D1	2251 F2	2454 E5	3123 B3	3215 H3	3342 C3	3638 C2	4255 G4	6610 D3	9096 G1	9203 G3	9400 F4	9698 D3
S43 F1	2252 B2	2455 E5	3124 B3	3216 H3	3344 C4	3640 A2	4259 F3	6660 E2	9097 G1	9205 G3	9402 G5	9705 C3
S44 B4	2253 E3	2456 E5	3125 B3	3217 G3	3345 G5	3642 C2	4263 F2	6661 E2	9098 G1	9206 G3	9403 F5	9706 C3
S45 A4	2254 G3	2476 F5	3126 B2	3218 H3	3346 D3	3644 A2	4280 F3	6662 E2	9100 B2	9208 H5	9404 F5	9707 C3
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S47 C4	2257 C1	2479 F5	3128 A5	3220 G3	3351 C3	3650 E2	4302 E4	6664 B5	9102 B2	9210 G3	9406 F4	9711 C3
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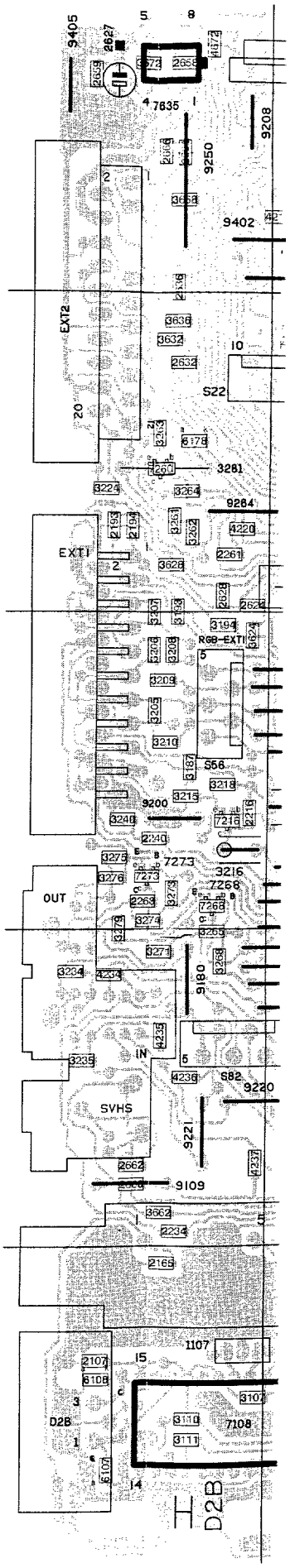
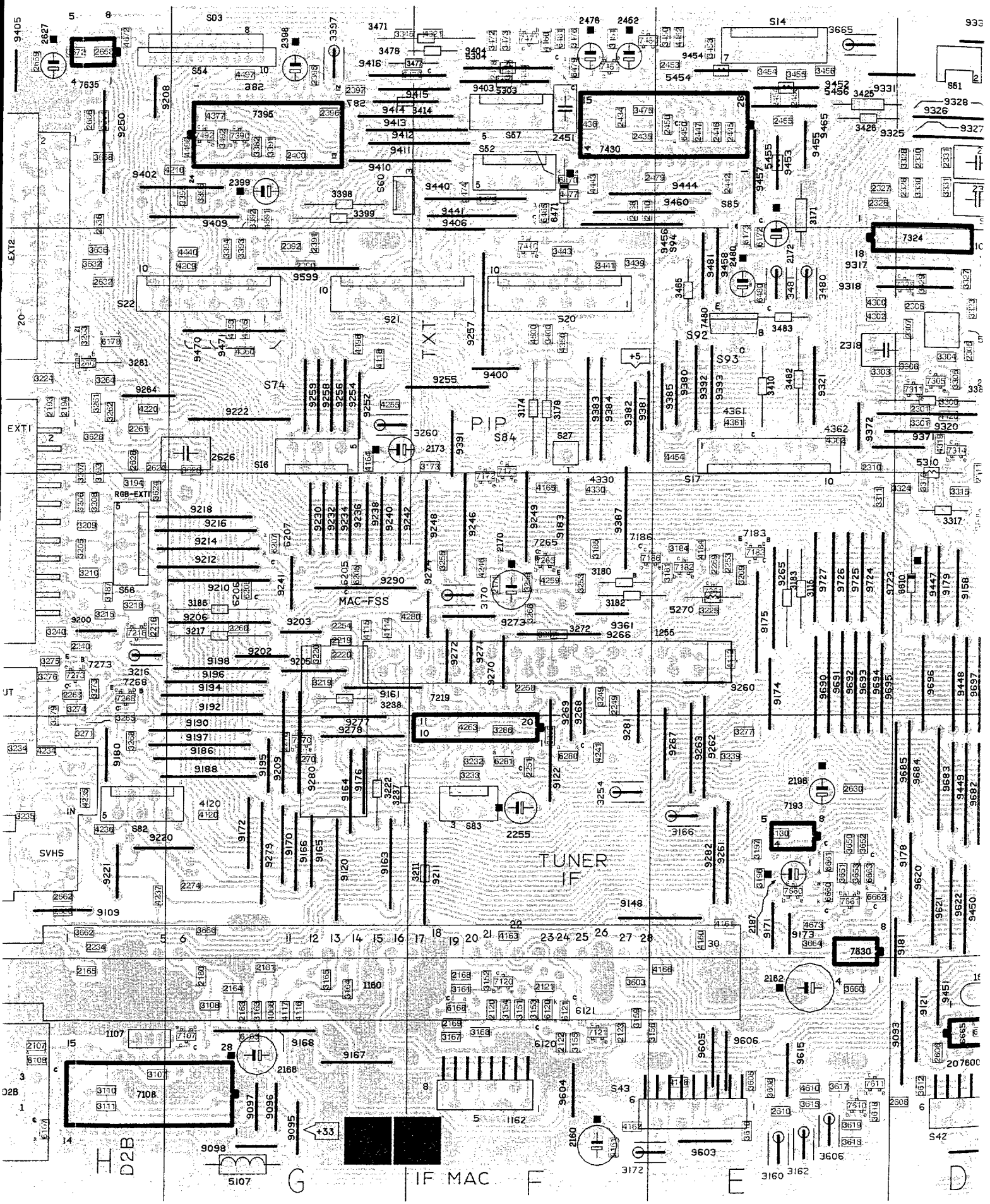
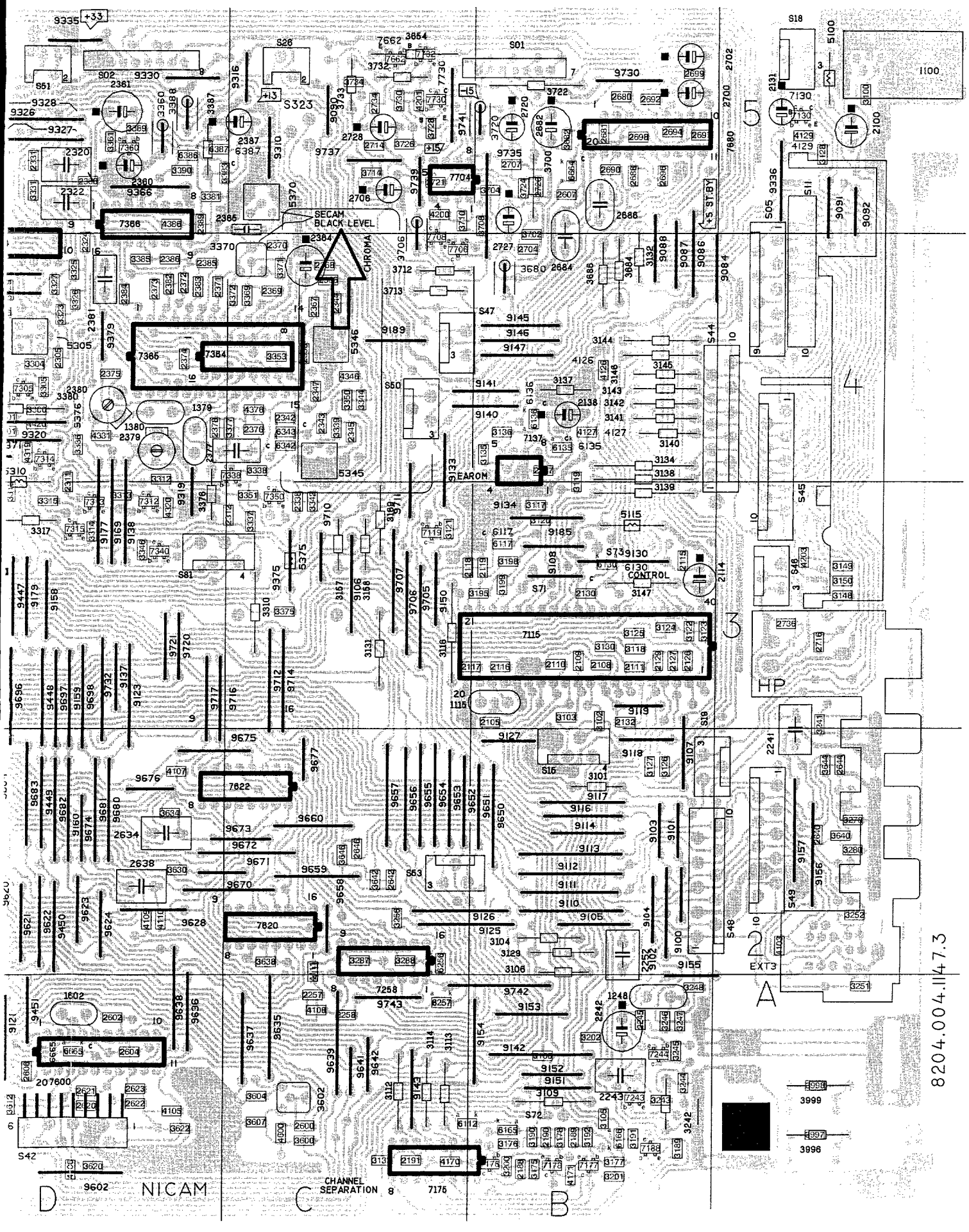


Platine petits signaux

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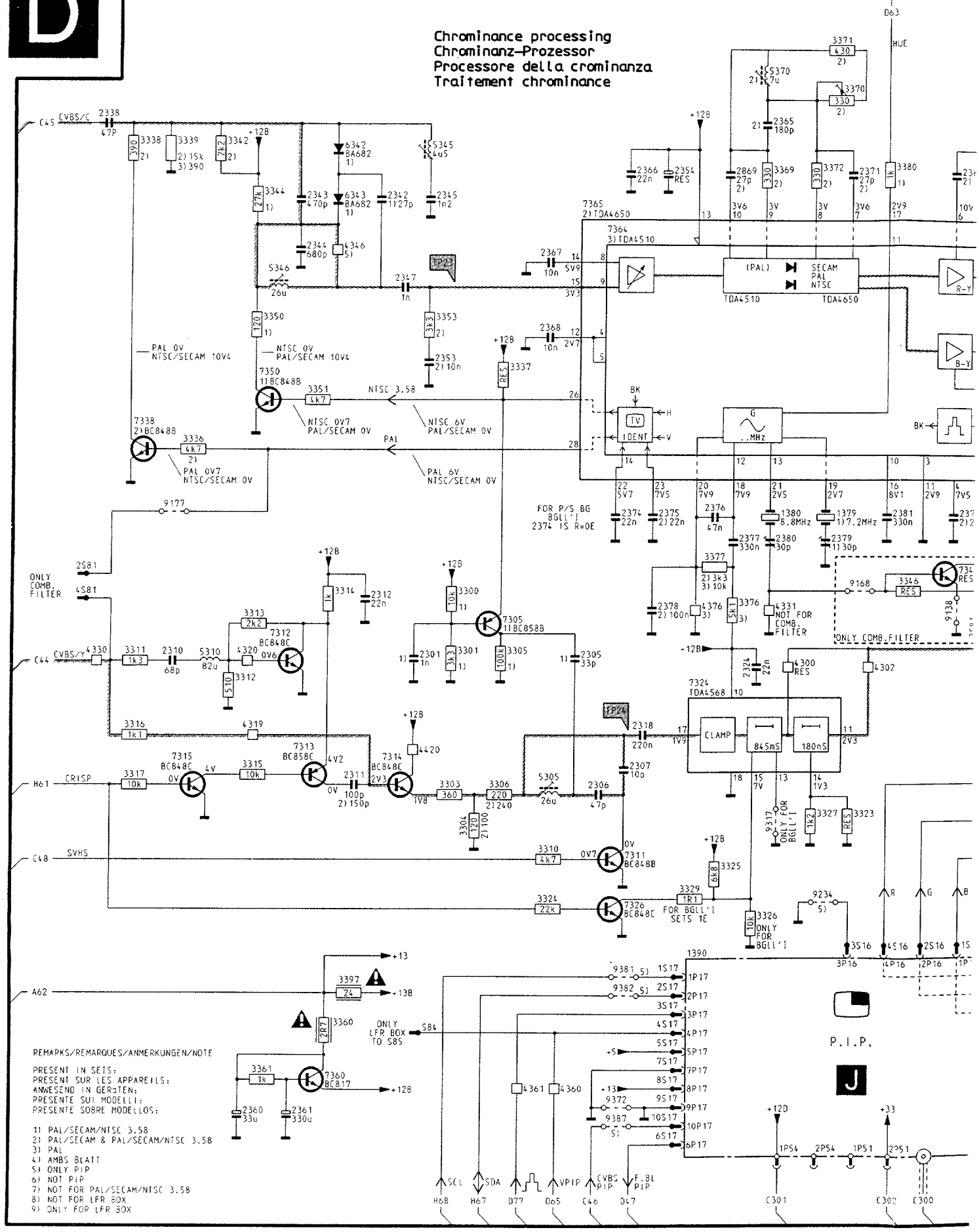
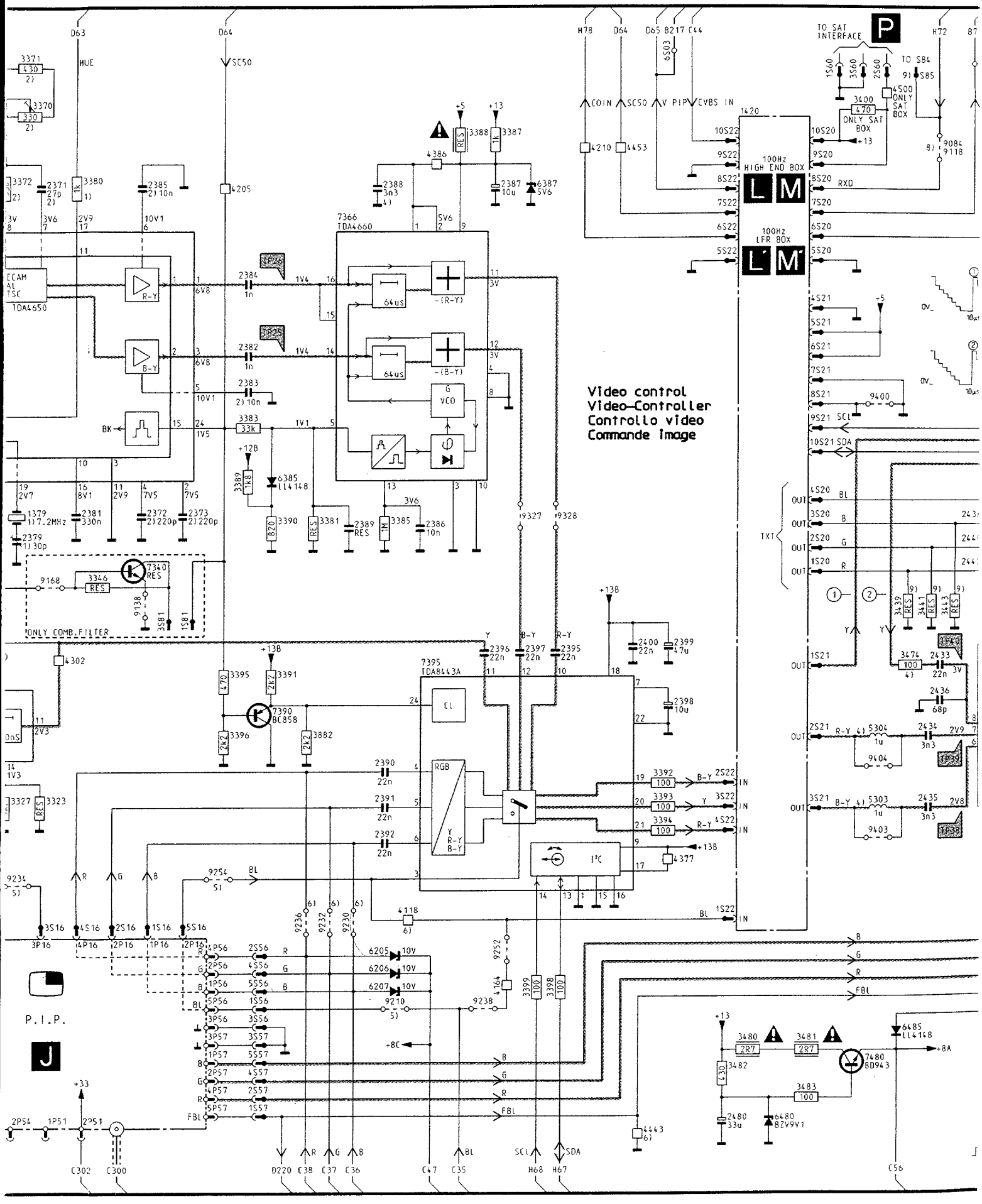
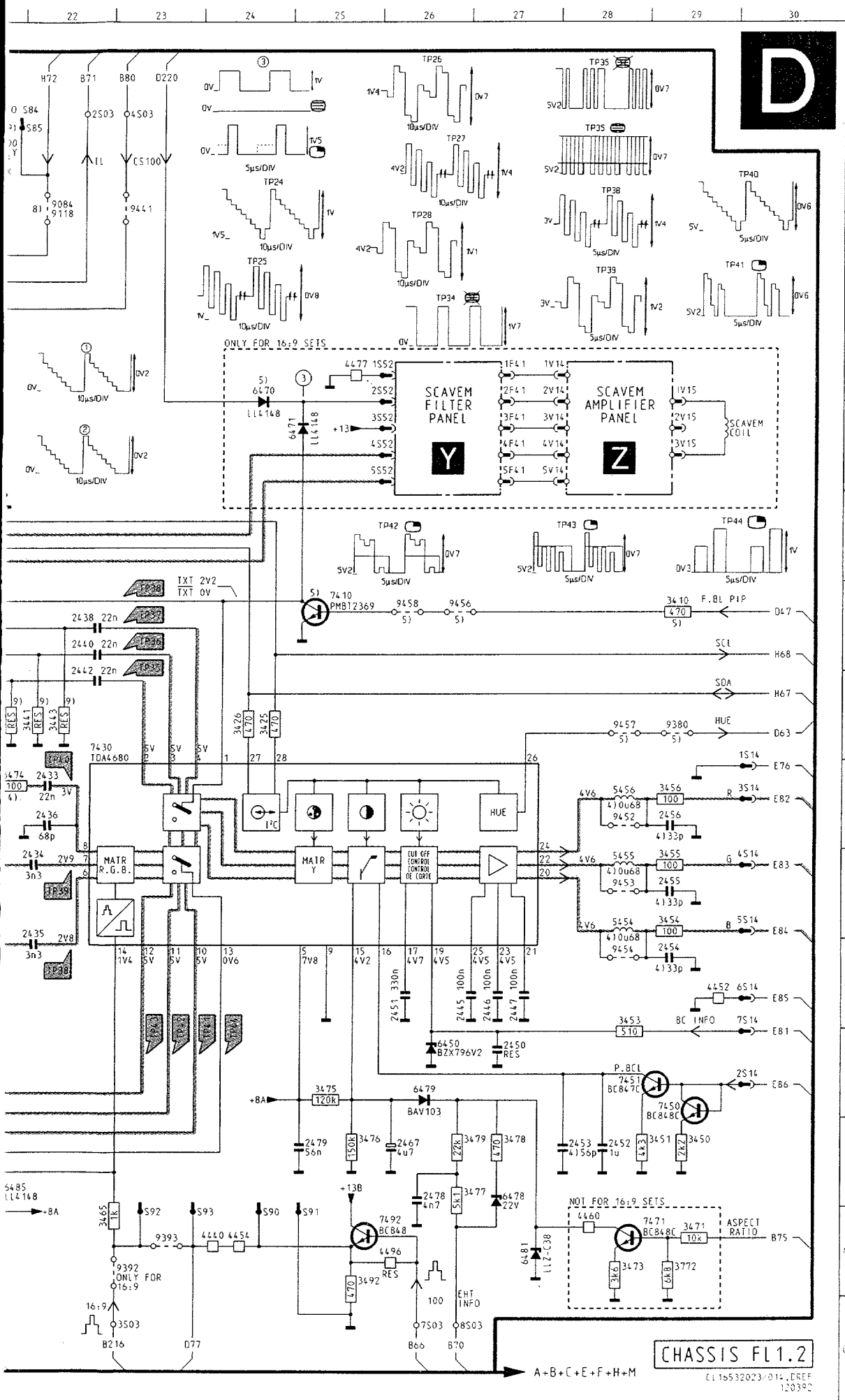
Chrominance processing
Chrominanz-Prozessor
Processore della crominanza
Traitement chrominance



Traitement vidéo





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	2305	I 7	3389	F13	9118	B22
	2306	J 8	3390	G13	9138	H12
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	2311	J 5	3393	J18	9210	M15
	2312	H 5	3394	K18	9230	L14
	2318	I 8	3395	I 13	9232	L14
B	2324	I 9	3396	J13	9234	K10
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	2366	C 8	3451	M29	9387	N 8
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	2374	G 8	3471	N29	9441	B23
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	2378	H 8	3476	M25	9456	G26
E	2379	G10	3477	M26	9457	H28
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	3324	K 7	6479	L26		
	3325	K 9	6480	N20		
	3326	L 9	6481	N27		
M	3327	J10	6485	M21		
	3329	K 9	7305	H 6		
	3336	F 3	7311	K 8		
	3337	E 6	7312	H 4		
	3338	B 2	7313	J 4		
	3339	B 2	7314	J 5		
	3342	B 3	7315	J 3		
	3344	C 3	7324	I 9		
N	3346	H11	7326	L 8		
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	3351	E 4	7340	H12		
	3353	D 6	7350	E 3		
	3360	M 4	7360	N 4		
	3361	N 4	7364	D 8		
	3369	C10	7365	C 7		
	3370	B10	7366	C14		
O	3371	A10	7390	I13		
	3372	C10	7395	I15		
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	3380	D11	7450	L24		

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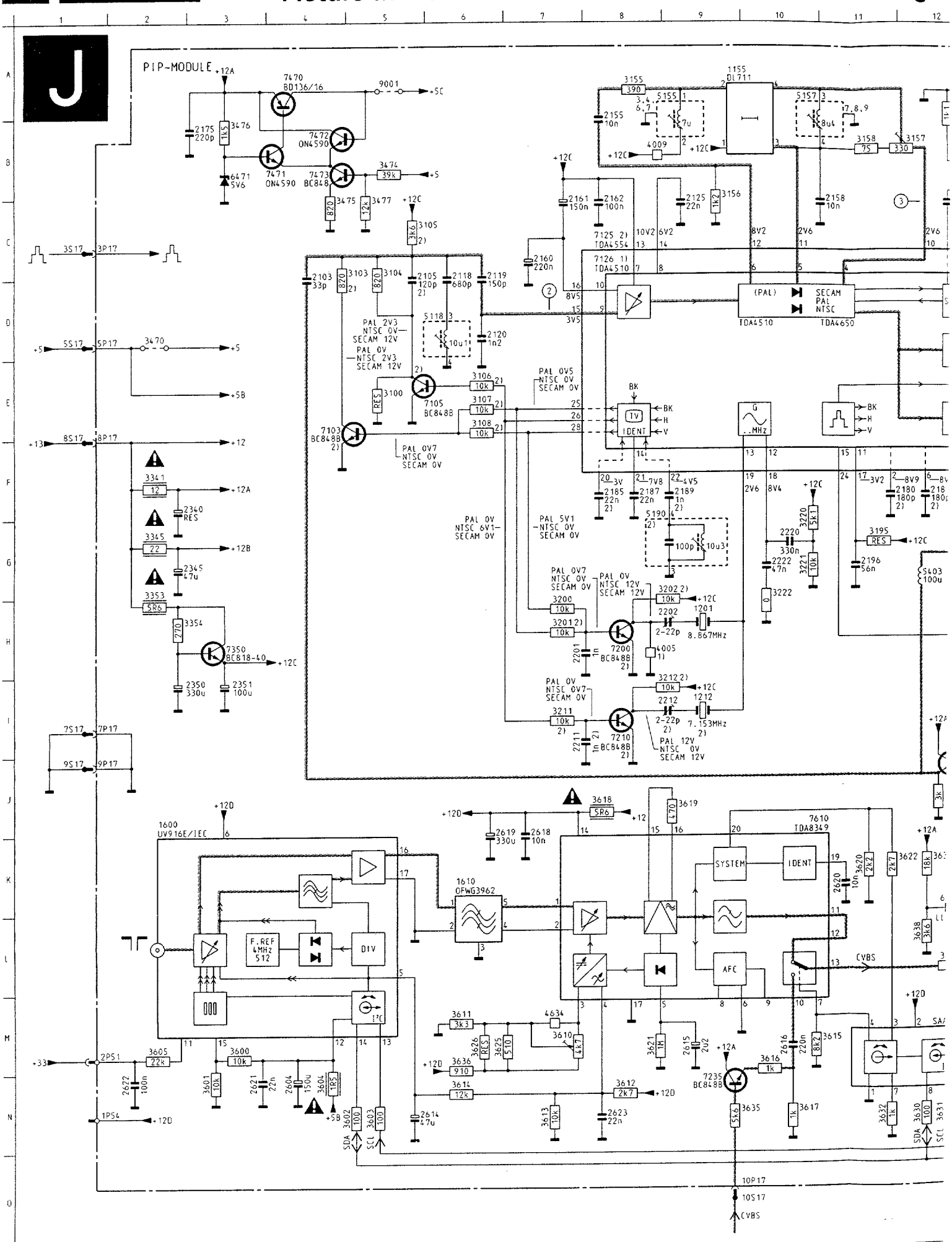
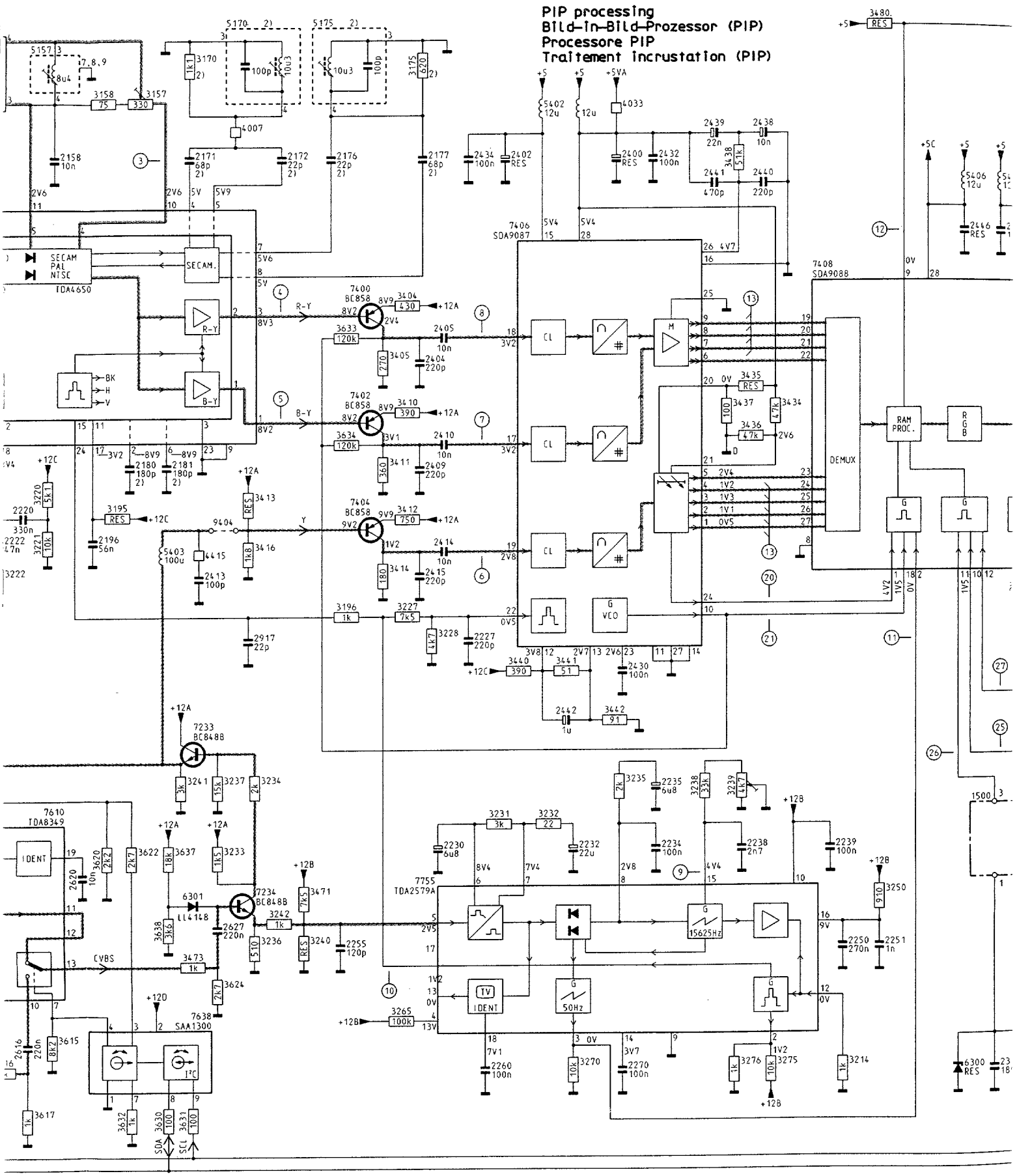
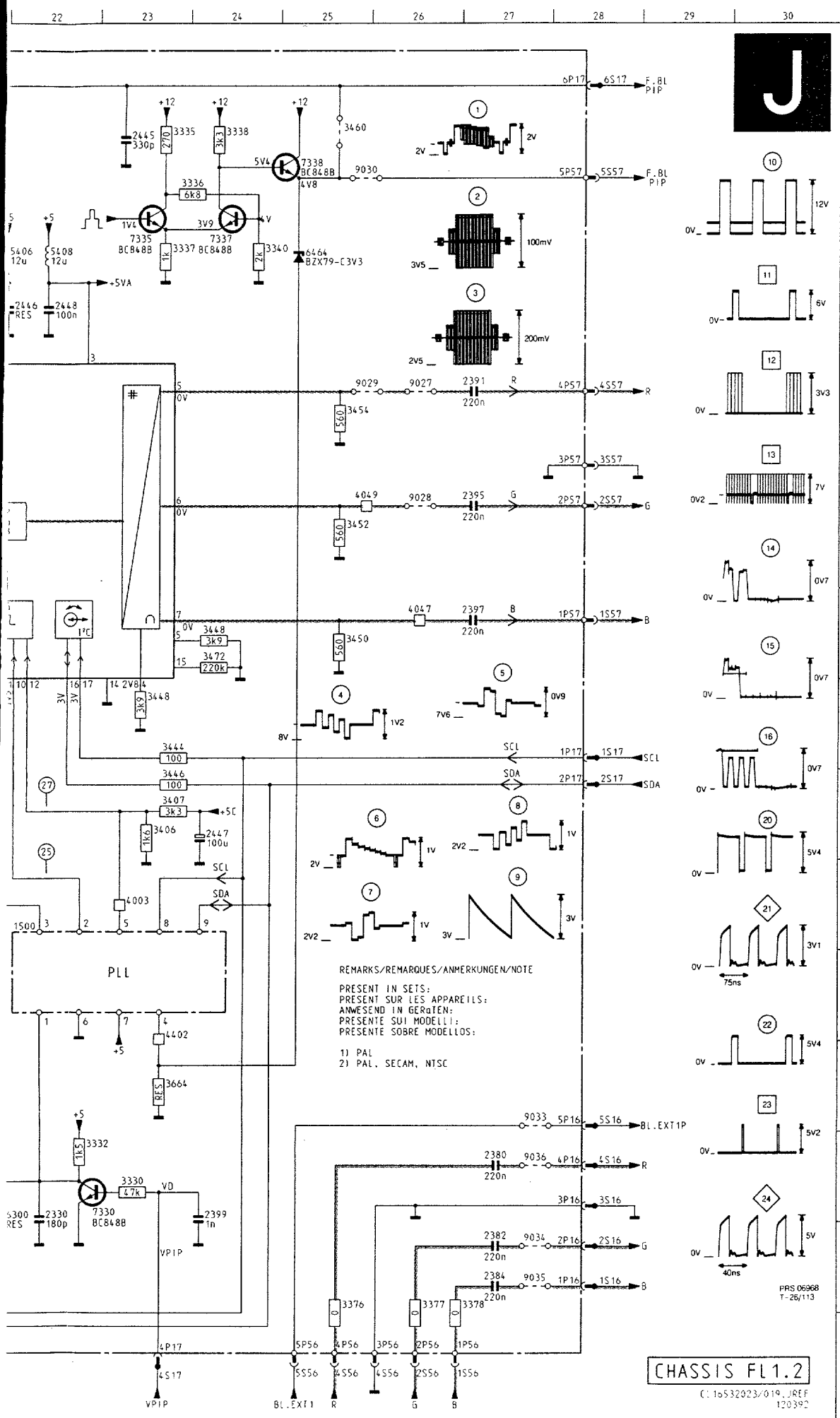


PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)





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1500	J22	3233	K13	6300	M21	
1600	J 2	3234	J13	6301	K12	
1610	K 6	3235	J17	6464	C25	
2103	D 4	3236	L13	6471	B 3	
2105	D 5	3237	J13	7103	E 4	
2118	D 6	3238	J18	7105	E 5	
2119	D 6	3239	J19	7125	C 8	
2120	D 6	3240	L14	7126	C 8	
2125	C 9	3241	J12	7200	H 8	
2155	B 8	3242	L13	7210	I 8	
2158	C11	3250	K21	7233	I12	
2160	C 7	3265	M15	7234	K13	
2161	C 7	3270	M17	7235	N 9	
2162	C 8	3275	M19	7330	M22	
2171	C12	3276	M19	7335	C23	
2172	C13	3330	M23	7337	C24	
2175	B 3	3332	M22	7338	B25	
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2177	C15	3336	B24	7400	D14	
2180	F11	3337	C23	7402	E14	
2181	F12	3338	A24	7404	G14	
2185	F 8	3340	C24	7406	C16	
2187	F 8	3341	F 2	7408	D20	
2189	F 9	3345	G 2	7470	A 4	
2196	G11	3353	G 2	7471	B 3	
2201	H 7	3354	H 2	7472	B 4	
2202	H 9	3376	N25	7473	B 4	
2211	I 7	3377	N26	7610	J11	
2212	I 9	3378	N27	7638	M12	
2220	G10	3404	D15	7755	K15	
2222	G10	3405	E15	9001	A 5	
2227	H16	3406	I23	9027	D26	
2230	K15	3407	I23	9028	F26	
2232	K17	3410	F15	9029	D25	
2234	K18	3411	F15	9030	B25	
2235	J18	3412	G15	9033	L27	
2238	K19	3413	G13	9034	N27	
2239	K20	3414	G15	9035	N27	
2250	L20	3416	G13	9036	M27	
2251	L21	3434	E19	9404	G13	
2255	L14	3435	E19			
2260	M16	3436	F19			
2270	M17	3437	E19			
2330	M22	3438	C19			
2340	F 2	3440	I16			
2345	G 2	3441	I17			
2350	I 2	3442	I17			
2351	I 3	3444	H23			
2380	M27	3446	I23			
2382	N27	3448	H23			
2384	N27	3448	G24			
2391	D27	3450	G25			
2395	F27	3452	F25			
2397	G27	3454	D25			
2399	M24	3460	B25			
2400	C17	3470	D 2			
2402	C16	3471	K14			
2404	E15	3472	G24			
2405	E15	3473	L12			
2409	F15	3474	B 5			
2410	F15	3475	B 4			
2413	H12	3476	B 3			
2414	G15	3477	B 5			
2415	H15	3480	A20			
2430	I17	3600	M 3			
2432	C18	3601	N 3			
2434	C16	3602	N 5			
2438	B19	3603	N 5			
2439	B18	3604	N 4			
2440	C19	3605	M 2			
2441	C18	3610	M 7			
2442	I17	3611	M 6			
2445	B23	3612	N 8			
2446	C22	3613	N 7			
2447	I24	3614	N 6			
2448	C22	3615	M11			
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2614	N 5	3617	N10			
2615	M 9	3618	J 8			
2616	M10	3619	J 9			
2618	K 7	3620	K11			
2619	K 6	3621	M 8			
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2622	N 2	3625	M 6			
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2627	L13	3630	N12			
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3105	C 5	3635	N10			
3106	E 6	3636	M 6			
3107	E 6	3637	K12			
3108	E 6	3638	L12			
3155	A 8	3664	L23			
3156	B 9	4003	J23			
3157	B12	4005	H 8			
3158	B11	4007	B13			
3170	A12	4009	B 8			
3175	A15	4033	B17			
3195	G11	4047	G26			
3196	H14	4049	F25			
3200	H 7	4402	K23			
3201	H 7	4415	G12			
3202	G 9	4634	M 7			
3211	I 7	5118	D 5			
3212	I 9	5155	A 8			
3214	M20	5157	A10			
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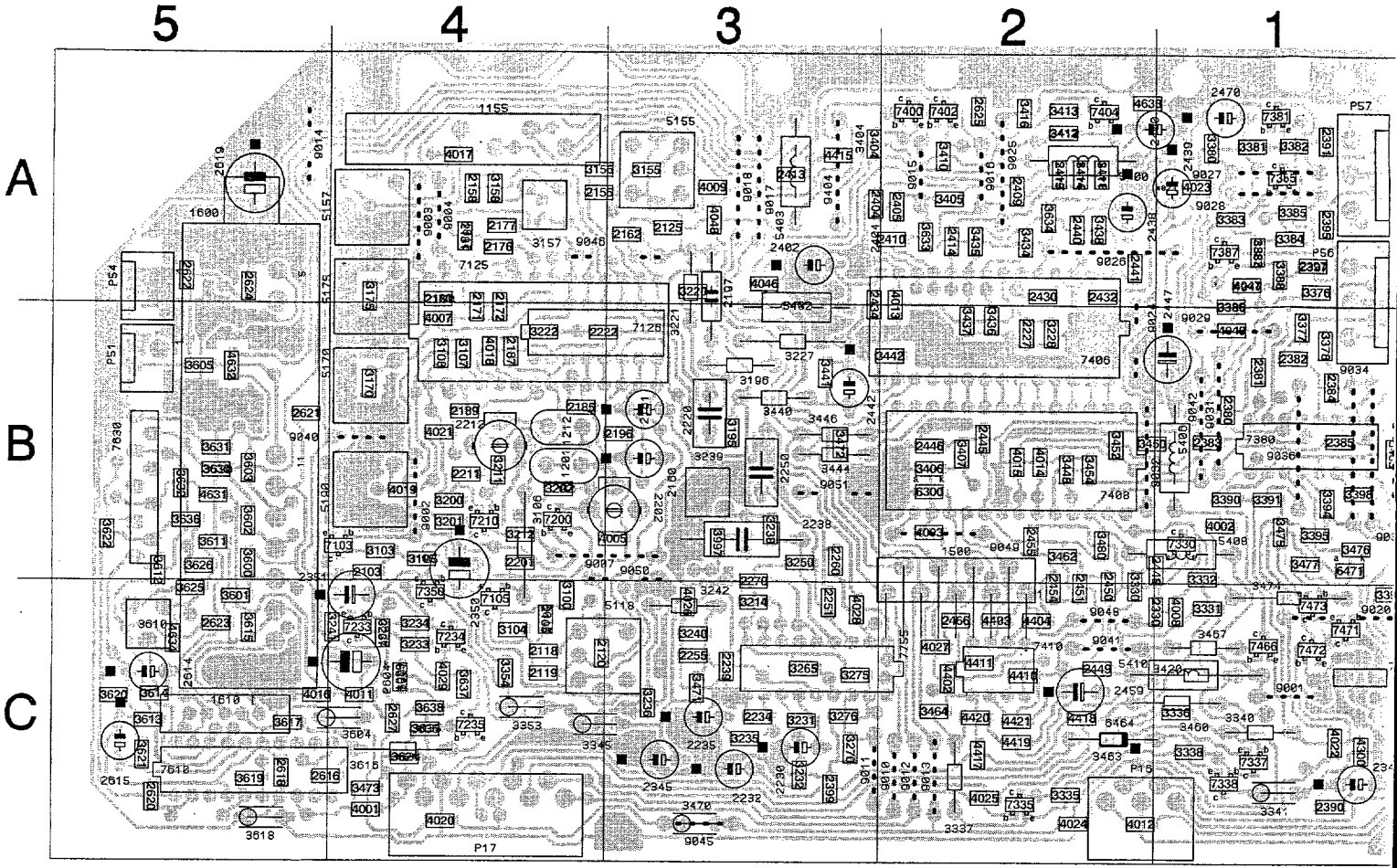
5
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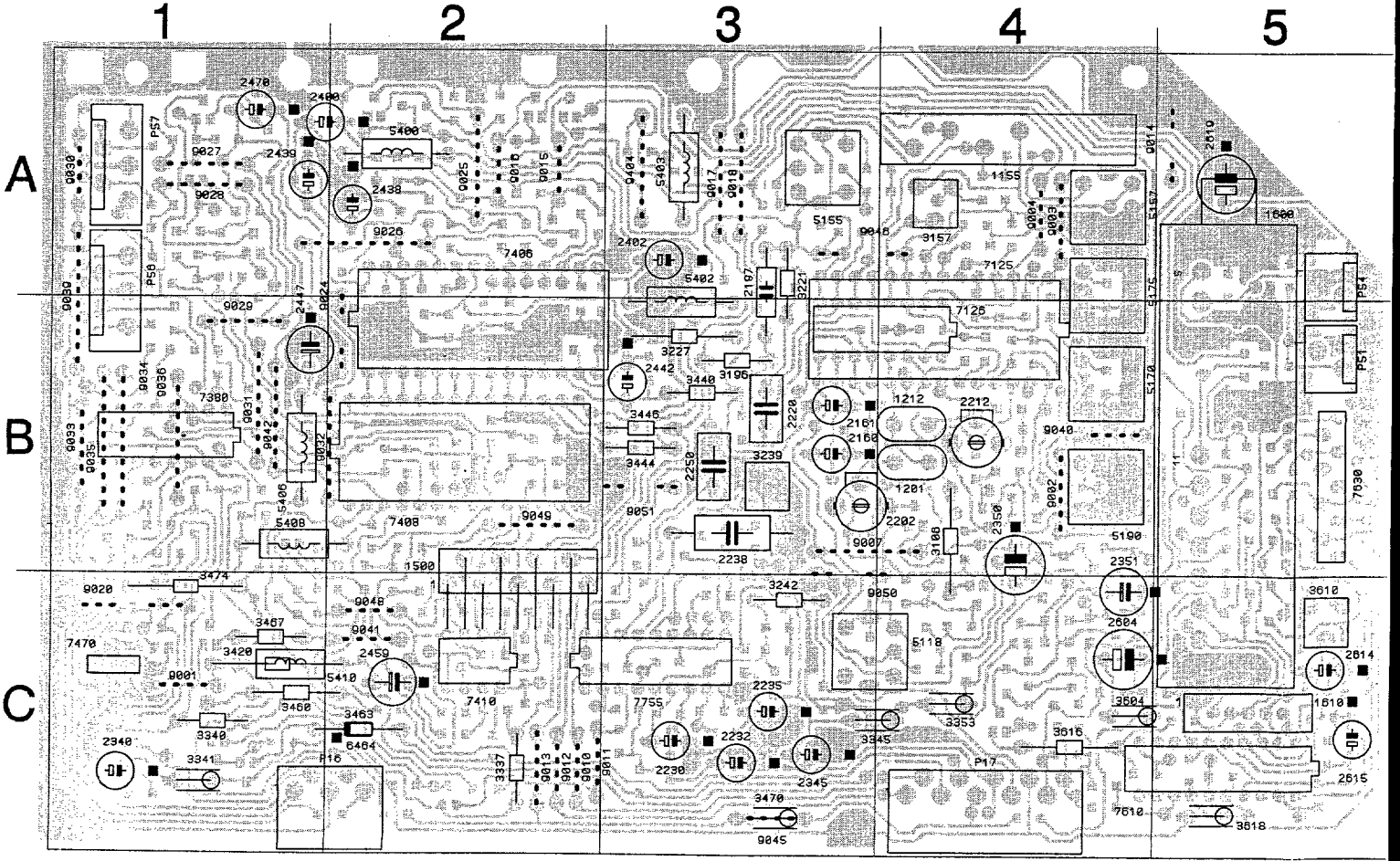
A
B
C


1
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4
5
A
B
C

Image dans L'image

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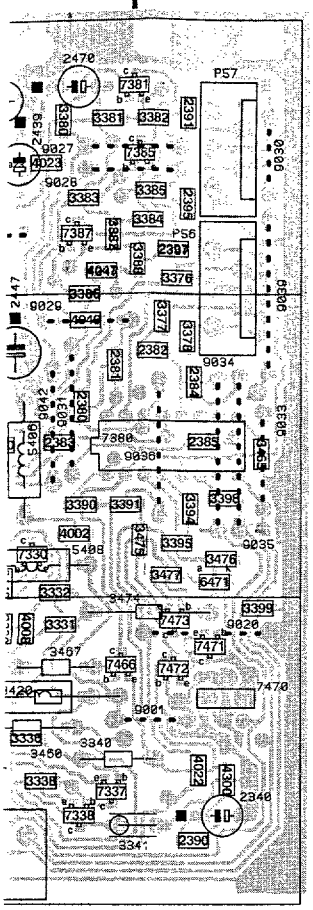

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P51 B5	2438 A2	3337 C2	3617 C5	6301 C4
P54 A5	2439 A2	3338 C1	3618 C5	6464 C2
P56 B1	2440 A2	3340 C1	3619 C5	6471 B1
P57 A1	2441 A2	3341 C1	3620 C5	7103 B5
1155 A4	2442 B3	3345 C4	3621 C5	7105 C4
1201 B4	2445 B2	3353 C4	3622 B5	7125 A4
1212 B4	2446 B2	3354 C4	3624 C4	7126 A4
1500 B2	2447 B2	3376 A1	3625 B5	7200 B4
1600 B5	2448 B2	3377 B1	3626 B5	7210 B4
1610 C5	2449 C2	3378 B1	3630 B5	7233 C4
2103 B4	2450 B2	3380 A1	3631 B5	7234 C4
2105 C4	2451 B2	3381 A1	3632 B5	7235 C4
2118 C4	2454 B2	3382 A1	3633 A2	7330 B1
2119 C4	2455 B2	3383 A1	3634 A2	7335 C2
2120 C4	2459 C2	3384 A1	3635 C4	7337 C1
2125 A3	2466 C2	3385 A1	3636 B5	7338 C1
2155 A4	2470 A1	3386 A1	3637 C4	7350 B4
2158 A4	2604 C4	3387 A1	3638 C4	7380 B1
2160 B3	2614 C5	3388 A1	3997 B3	7381 A1
2161 B3	2615 C5	3390 B1	4001 C4	7385 A1
2162 A3	2616 C5	3391 B1	4002 B1	7387 A1
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2172 A4	2619 A5	3395 B1	4005 B4	7402 A2
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2189 B4	2627 C4	3410 A2	4014 B2	7471 C1
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2212 B4	3107 B4	3420 C1	4020 C4	9001 C1
2220 B3	3108 B4	3434 A2	4021 B4	9002 B4
2222 B4	3155 A3	3435 A2	4022 C1	9003 A4
2227 B2	3156 A4	3436 B2	4023 A1	9004 A4
2230 C3	3157 A4	3437 B2	4024 C2	9007 B4
2232 C3	3158 A4	3438 A2	4025 C2	9010 C2
2234 C3	3170 B4	3440 B3	4026 C3	9011 C3
2235 C3	3175 A4	3441 B3	4027 C2	9012 C2
2238 B3	3195 B3	3442 B3	4028 C3	9013 C2
2239 C3	3196 B3	3444 B3	4029 C4	9014 A5
2250 B3	3200 B4	3446 B3	4046 A3	9015 A2
2251 C3	3201 B4	3448 B2	4047 A1	9016 A2
2255 C3	3202 B4	3450 B2	4048 A3	9017 A3
2260 B3	3211 B4	3452 B2	4049 B1	9018 A3
2270 B3	3212 B4	3454 B2	4300 C1	9020 C1
2330 C2	3214 C3	3460 C1	4402 C2	9024 B2
2340 C1	3220 A3	3462 B2	4403 C2	9025 A2
2345 C3	3221 A3	3463 C2	4404 C2	9026 A2
2350 B4	3222 B4	3464 C2	4410 C2	9027 A1
2351 B4	3227 B3	3465 B1	4411 C2	9028 A1
2380 B1	3228 B2	3467 C1	4415 A3	9029 B1
2381 B1	3231 C3	3470 C3	4417 C2	9030 A1
2382 B1	3232 C3	3471 C3	4418 C2	9031 B1
2383 B1	3233 C4	3472 B3	4419 C2	9032 B2
2384 B1	3234 C4	3473 C4	4420 C2	9033 B1
2385 B1	3235 C3	3474 B1	4421 C2	9034 B1
2390 C1	3236 C3	3475 B1	4631 B5	9035 B1
2391 A1	3237 C4	3476 B1	4632 B5	9036 B1
2395 A1	3238 B3	3477 B1	4633 A2	9039 A1
2397 A1	3239 B3	3480 B2	4634 C5	9040 B4
2399 C3	3240 C3	3600 B5	5118 C4	9041 C2
2400 A2	3241 C5	3601 B5	5155 A3	9042 B1
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2404 A3	3250 B3	3603 B5	5170 B4	9048 C2
2405 A2	3265 C3	3604 C4	5175 B4	9049 B2
2409 A2	3270 C3	3605 B5	5190 B4	9050 B3
2410 A3	3275 C3	3610 C5	5400 A2	9051 B3
2413 A3	3276 C3	3611 B5	5402 A3	9404 A3
2414 A2	3330 B2	3612 B5	5403 A3	
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2430 A2	3332 B1	3614 C5	5408 B1	

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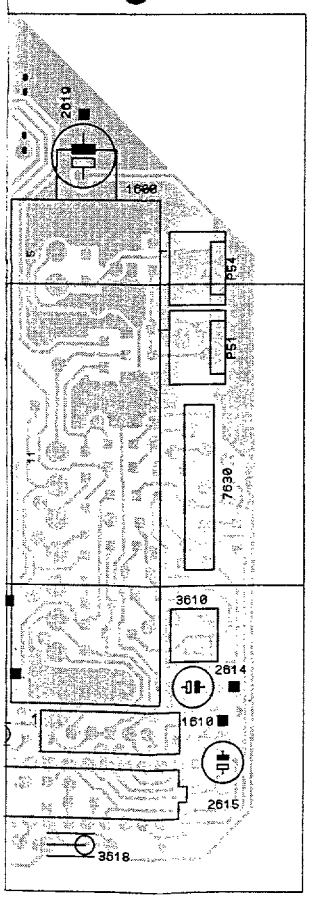
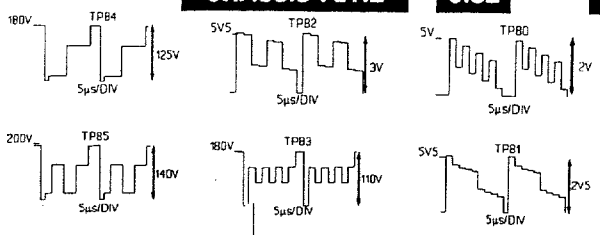
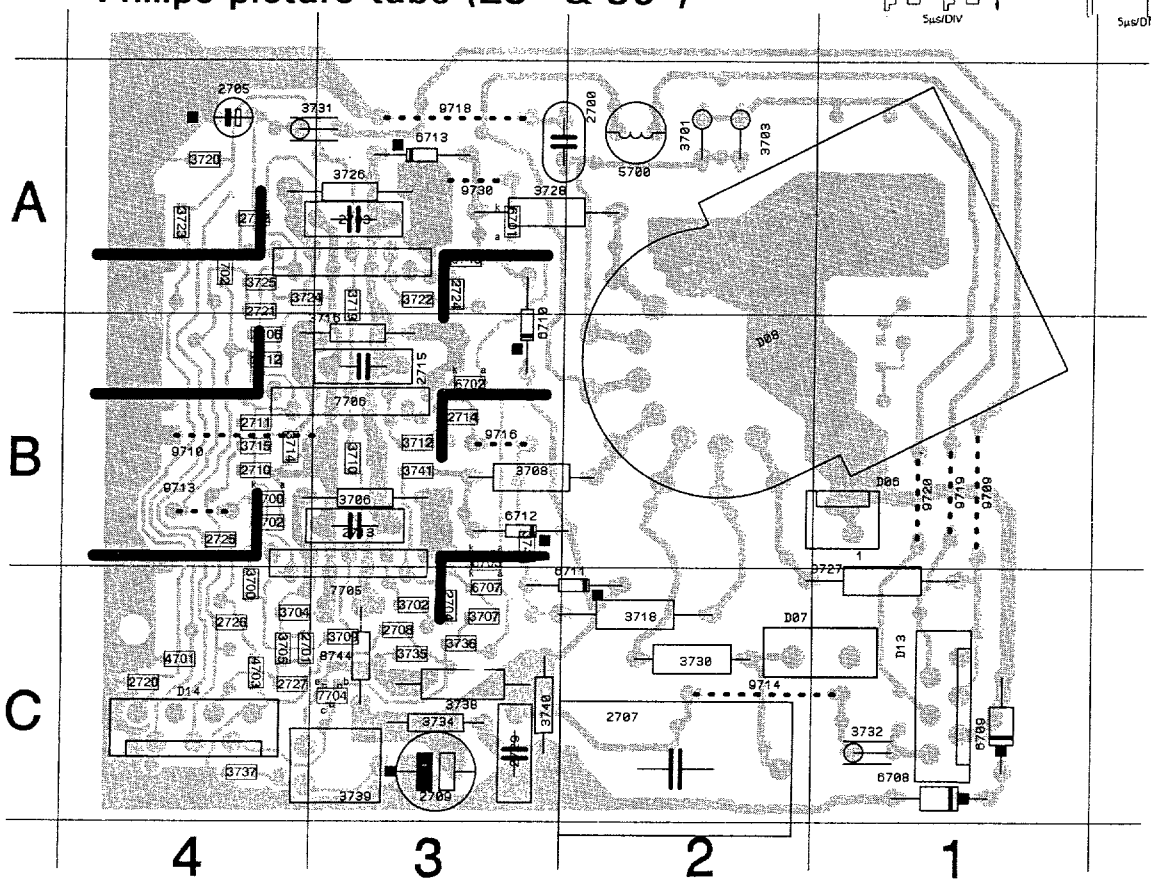


Picture tube panel

Bildröhren Platte
Platine TRC



Philips picture tube (28" & 36")



D06 B1
D07 C1
D08 B2
D13 C1
D14 C4
2700 A3
2701 C4
2702 B4
2703 A3
2704 C3
2705 A4
2706 B4
2707 C2
2708 C3
2709 C3
2710 B4
2711 B4
2712 B4
2713 B3
2714 B3
2715 B3
2720 C4
2721 A4
2722 A4
2724 A3
2725 B4
2726 C4
2727 C4
2729 C3
3700 C4
3701 A2
3702 C3
3703 A2
3704 C4
3705 C4
3706 B3
3707 C3
3708 B3
3709 C3
3710 B3
3712 B3
3714 B4
3715 B4
3716 B3
3718 C2
3719 A3
3720 A4
3722 A3
3723 A4
3724 A4
3725 A4
3726 A3
3727 C1
3728 A3
3730 C2
3731 A4
3732 C1
3734 C3
3735 C3
3736 C3
3737 C4
3738 C3
3739 C3
3740 C3
3741 B3
3742 B3
3743 A3
3744 C3
3760 B1
4701 C4
4702 A4
4703 C4
5700 A2
6700 B4
6701 A3
6702 B3
6703 B3
6707 C3
6708 C1
6709 C1
6710 B3
6711 C3
6712 B3
6713 A3
7704 C4
7705 B3
7706 B3
7707 A3
9709 B1
9710 B4
9713 B4
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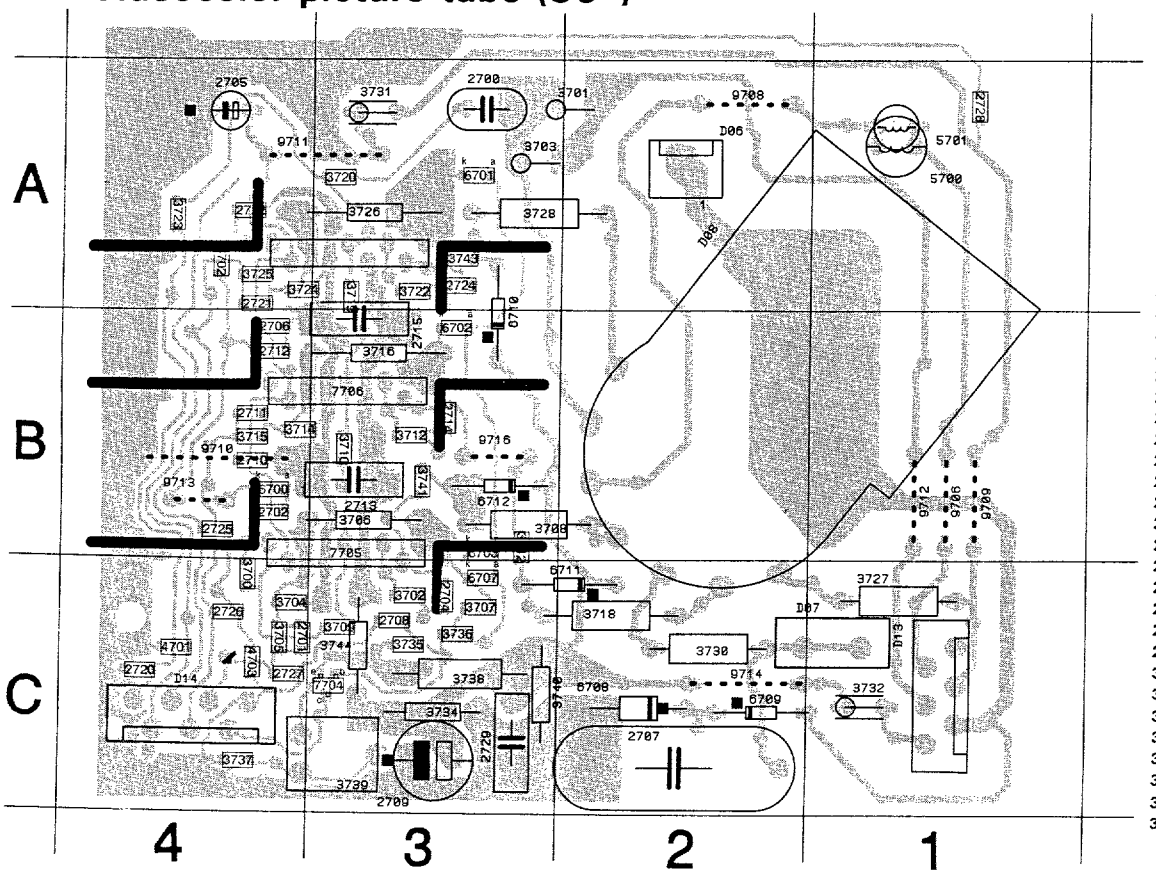
9716 B3
9718 A3
9719 B1
9720 B1
9730 A3

Videocolor picture tube (36")



D06 A2
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D13 C1
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2707 C3
2708 C3
2709 C3
2710 B4
2711 B4
2712 B4
2713 B3
2714 B3
2715 B3
2720 C4
2721 A4
2722 A4
2724 A3
2725 B4
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2727 C4
2728 A1
2729 C3
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3701 A3
3702 C3
3703 A3
3704 C4
3705 C4
3706 B3
3707 C3
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3725 A4
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3728 A3
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3734 C3
3735 C3
3736 C3
3737 C4
3738 C3
3739 C3
3740 C3
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3744 C3
4701 C4
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4703 C4
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5701 A1
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6703 B3
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6711 C3
6712 B3
7704 C4
7705 B3
7706 B3
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9712 B1
9713 B4
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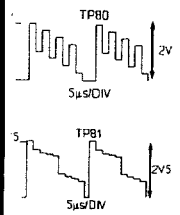
9716 B3



REMARKS/REMARQUES/ANMERKUNGEN/NOTE

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

1) PHILIPS PICTURE TUBE (28" & 36")
2) VIDEOCOLOR PICTURE TUBE (36")

*	1)	2)
2708	330p	560p
2709	10u	4u7
3701	2R	1R
3703	2R	1R
3728	820	680
3737	12k	15k
5700	82u	33u
6709	BZD23-C24	BZX79-C27

PICTURE TUBE PANEL

CHASSIS FL1.2

CL16532023/015,EREF
120392

708	B3
709	C3
710	B3
712	B3
714	B4
715	B4
716	B3
718	C2
719	A3
720	A4
722	A3
723	A4
724	A4
725	A4
726	A3
727	C1
728	A3
730	C2
731	A4
732	C1
734	C3
735	C3
736	C3
737	C4
738	C3
739	C3
740	C3
741	B3
742	B3
743	A3
744	C3
750	B1
701	C4
702	A4
703	C4
700	A2
700	B4

6701	A3
6702	B3
6703	B3
6707	C3
6708	C1
6709	C1
6710	B3
6711	C3
6712	B3
6713	A3
7704	C4
7705	B3
7706	B3
7707	A3
9708	B1
9710	B4
9713	B4
9714	C2
9716	B3
9718	A3
9719	B1
9720	B1
9730	A3

708	B3
709	C3
710	B3
712	B3
714	B4
715	B4
716	B3
718	C2
719	A3
720	A3
722	A3
723	A4
724	A4
726	A4
726	A3
727	C1
728	A3
730	C2
731	A3
732	C1
734	C3
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736	C3
737	C4
738	C3
739	C3
740	C3
741	B3
742	B3
743	A3
744	C3
701	C4
702	A4
703	C4
700	A1
701	A1
700	B4

6701	A3
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6703	B3
6707	C3
6708	C2
6709	C2
6710	B3
6711	C3
6712	B3
7704	C4
7705	B3
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9706	B1
9708	A2
9709	B1
9710	B4
9711	A4
9712	B1
9713	B4
9714	C2
9716	B3

2700	K 6
2701	J 2
2702	M 2
2703	L 4
2704	K 4
2705	M 6
2706	M 6
2707	L 8
2708	N 4
2709	E 7
2710	M 7
2711	G 2
2712	I 2
2713	E 4
2714	H 4
2715	I 4
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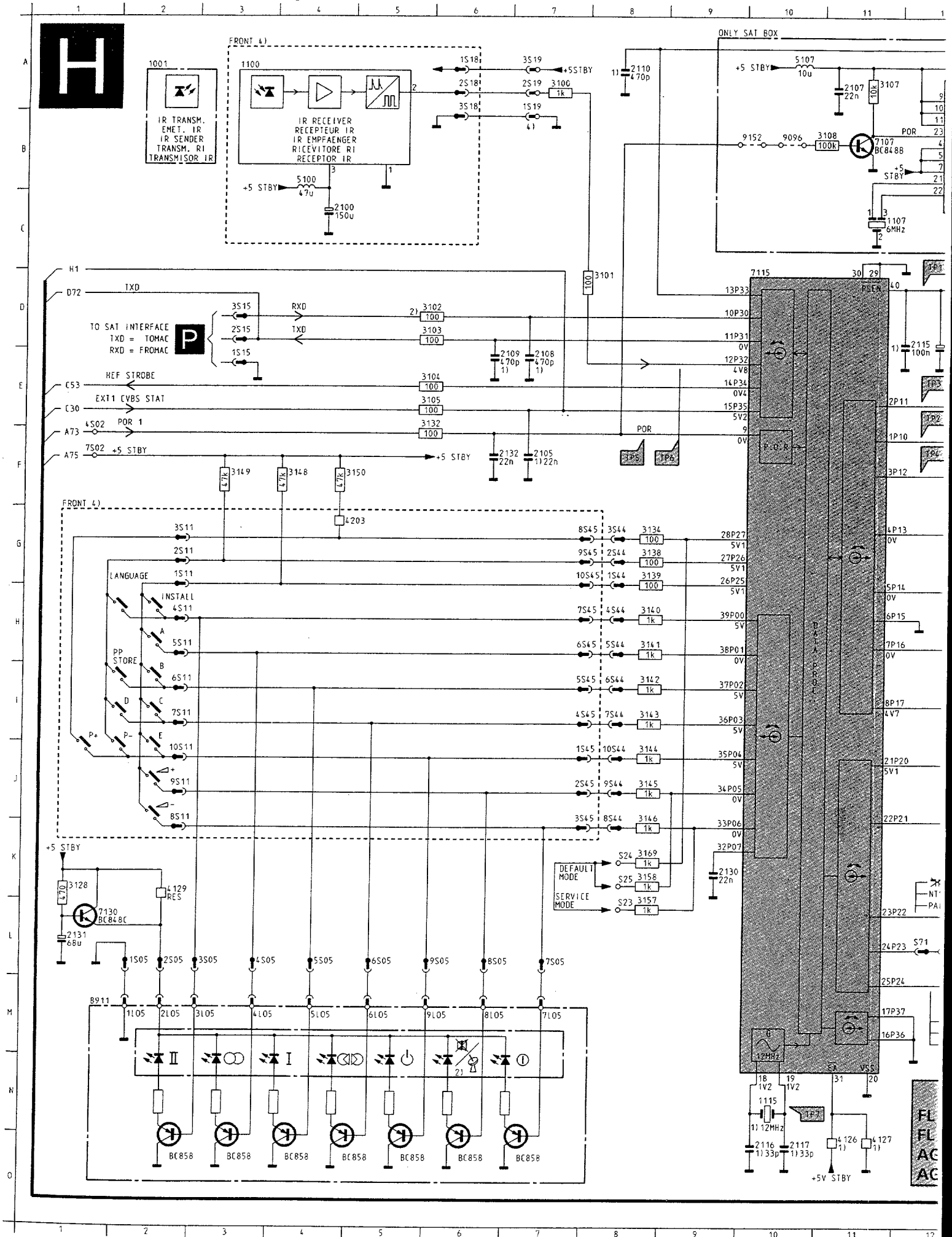
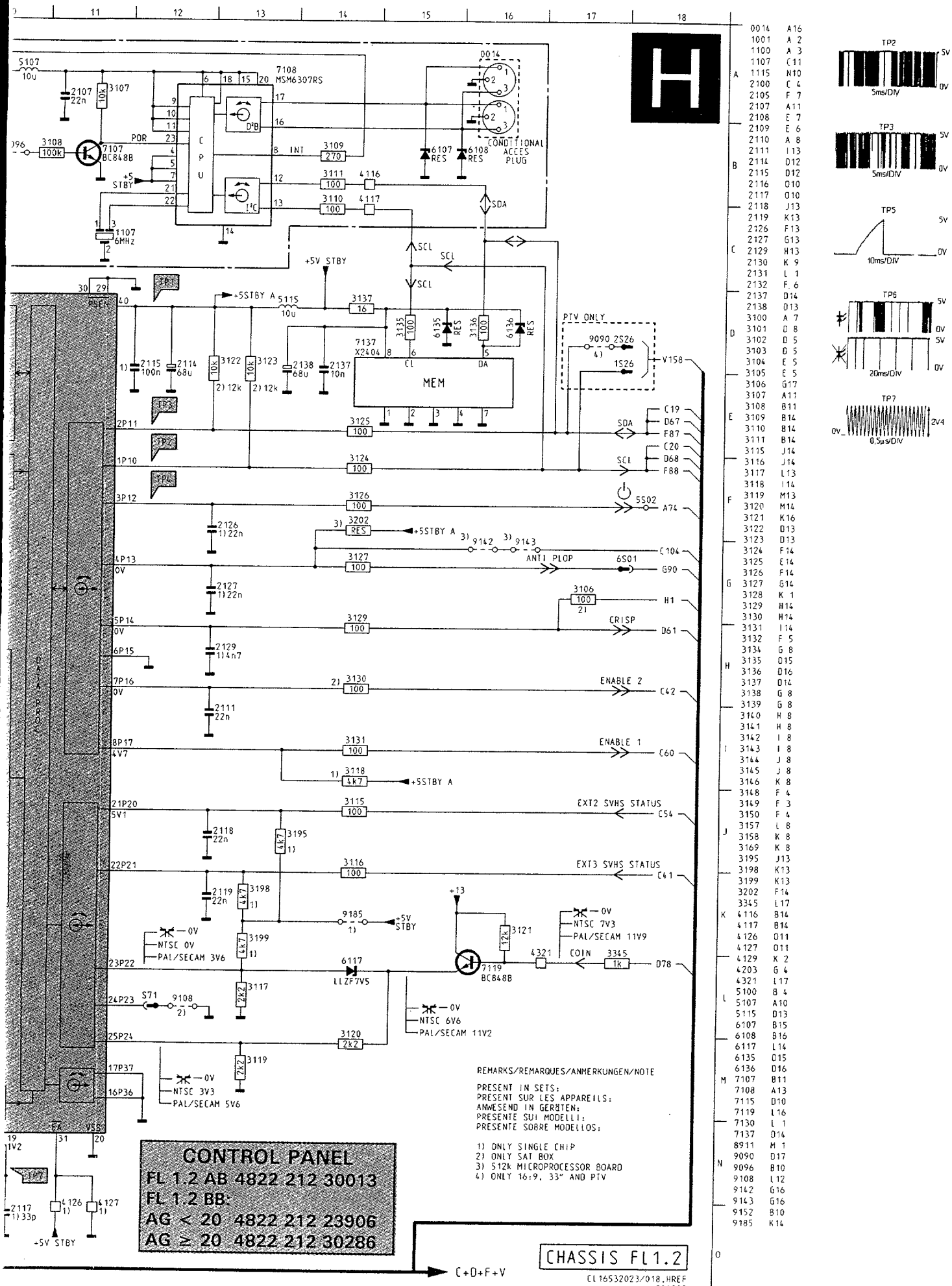
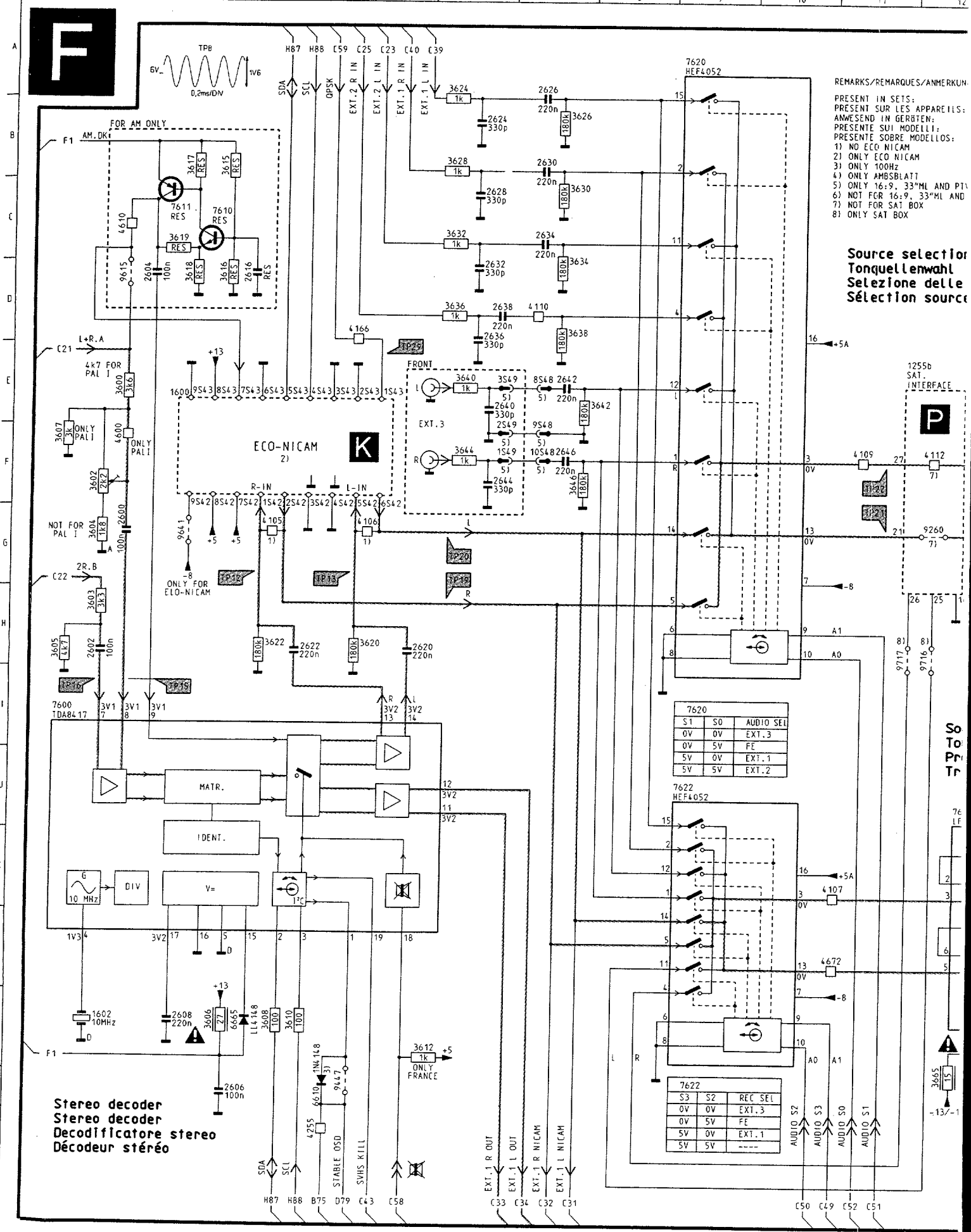
2721	C 2
2722	E 2
2724	D 4
2725	D 2
2726	H 2
2727	K 2
2729	E 6
3700	L 2
3701	K 6
3702	J 4
3703	K 6
3704	K 2
3705	K 2
3706	I 3
3707	M 4
3708	J 5
3709	L 5
3710	J 5
3712	G 4
3714	H 2
3715	G 2
3716	F 3
3718	H 5
3719	G 5
3720	C 5
3722	D 4
3723	B 5
3724	D 2
3726	C 3
3727	K 7
3728	G 5
3730	K 8
3731	L 7
3732	D 8
3734	E 8
3735	M 5
3736	M 5
3737	N 6
3738	M 5
3739	M 6
3740	E 7
3741	K 4
3742	H 4
3743	D 4
3744	D 6
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
6710	D 4
6711	H 4
6712	K 4
7704	N 5
7705	K 3
7706	G 3
7707	D 3


H
FRONT 4)
1001
IR TRANSM.
EMET. IR
IR SENDER
TRANSM. RI
TRANSMISOR IR
1100
IR RECEIVER
RECEPTEUR IR
IR EMPFAENGER
RICEVITORE RI
RECEPTOR IR
+5 STBY
5100
47u
2100
150u
1S18
2S18
3S18
3S19
2S19
1S19
3100
1k
+5STBY
ONLY SAT BOX
5107
10u
2107
22n
3107
10k
7107
BC848B
9152
9096
3108
100k
POR
1107
6MHz
2110
470p
H1
D72
TXD
TO SAT INTERFACE
TXD = TOMAC
RXD = FROMAC
RXD
3S15
2S15
1S15
3102
3103
3101
2109
2108
470p
C53
REF STROBE
3104
C30
EXT1 CVBS STAT
3105
A73
4S02
POR 1
3132
A75
7S02
+5 STBY
3149
3148
3150
47k
2132
22n
2105
22n
7115
13P33
10P30
11P31
12P32
14P34
15P35
9
2P11
1P10
3P12
4P13
5P14
6P15
7P16
8P17
21P20
22P21
23P22
24P23
25P24
17P37
16P36
28P27
27P26
26P25
39P00
38P01
37P02
36P03
35P04
34P05
33P06
32P07
2115
100n
FRONT 4)
4203
LANGUAGE
INSTALL
PP
STORE
3S11
2S11
1S11
4S11
5S11
6S11
7S11
10S11
9S11
8S11
8S45
9S45
10S45
7S45
6S45
5S45
4S45
3S45
2S45
1S45
3S44
2S44
1S44
4S44
5S44
6S44
7S44
8S44
9S44
10S44
3134
3138
3139
3140
3141
3142
3143
3144
3145
3146
DEFAULT
MODE
SERVICE
MODE
S24
S25
S23
3169
3158
3157
2130
22n
+5 STBY
3128
470
4129
RES
7130
BC848C
2131
68u
1S05
2S05
3S05
4S05
5S05
6S05
9S05
8S05
7S05
B911
1L05
2L05
3L05
4L05
5L05
6L05
9L05
8L05
7L05
BC858
4126
4127
2116
2117
33p
+5V STBY
S71
FL
FL
AC
AC


7108 MSM6307RS
7107 BC848B
7119 BC848B
7137 X2404
MEM
CPU
CONDITIONAL ACCES PLUG
PTV ONLY
+5 STBY
+5V STBY
+5STBY A
SCL
SDA
INT
POR
ANTI PLOP
CRISP
ENABLE 2
ENABLE 1
EXT2 SVHS STATUS
EXT3 SVHS STATUS
LLZF7V5
0V NTSC 0V PAL/SECAM 3V6
0V NTSC 3V3 PAL/SECAM 5V6
0V NTSC 6V6 PAL/SECAM 11V2
0V NTSC 7V3 PAL/SECAM 11V9
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) ONLY SINGLE CHIP
2) ONLY SAT BOX
3) S12k MICROPROCESSOR BOARD
4) ONLY 16:9, 33" AND PTV
CONTROL PANEL
FL 1.2 AB 4822 212 30013
FL 1.2 BB:
AG < 20 4822 212 23906
AG ≥ 20 4822 212 30286
C+D+F+V
CHASSIS FL1.2
CL16532023/018.HREF
280292

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


F
TPB
6V
1V6
0,2ms/DIV
H87 H88 C59 C25 C23 C40 C39
SDA SCL QPSK EXT.2 R IN EXT.2 L IN EXT.1 R IN EXT.1 L IN
7620 HEF4052
REMARKS/REMARQUES/ANMERKUN
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO ECO NICAM
2) ONLY ECO NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY 16:9, 33"ML AND PT
6) NOT FOR 16:9, 33"ML AND
7) NOT FOR SAT BOX
8) ONLY SAT BOX
Source selectior
Tonquellenwahl
Selezione delle
Sélection source
FOR AM ONLY
AM.DK
F1
7611 RES
7610 RES
L+R.A
C21
4k7 FOR PAL I
ONLY PAL I
NOT FOR PAL I
ONLY FOR ECO-NICAM
2R.B
C22
FRONT
EXT.3
ECO-NICAM
K
R-IN
L-IN
1255b SAT. INTERFACE
P
7600 TDA8417
MATR.
IDENT.
DIV
V=
10 MHz
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 ----
ONLY FRANCE
Stereo decoder
Stereo decoder
Decodificatore stereo
Décodeur stéréo
EXT.1 R OUT
EXT.1 L OUT
EXT.1 R NICAM
EXT.1 L NICAM
STABLE OSD
SVHS KILL
AUDIO S2
AUDIO S3
AUDIO S0
AUDIO S1

Traitement audio

F

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO ECO NICAM
2) ONLY ECO NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY 16:9, 33"ML AND PTV
6) NOT FOR 16:9, 33"ML AND PTV
7) NOT FOR SAT BOX
8) ONLY SAT BOX

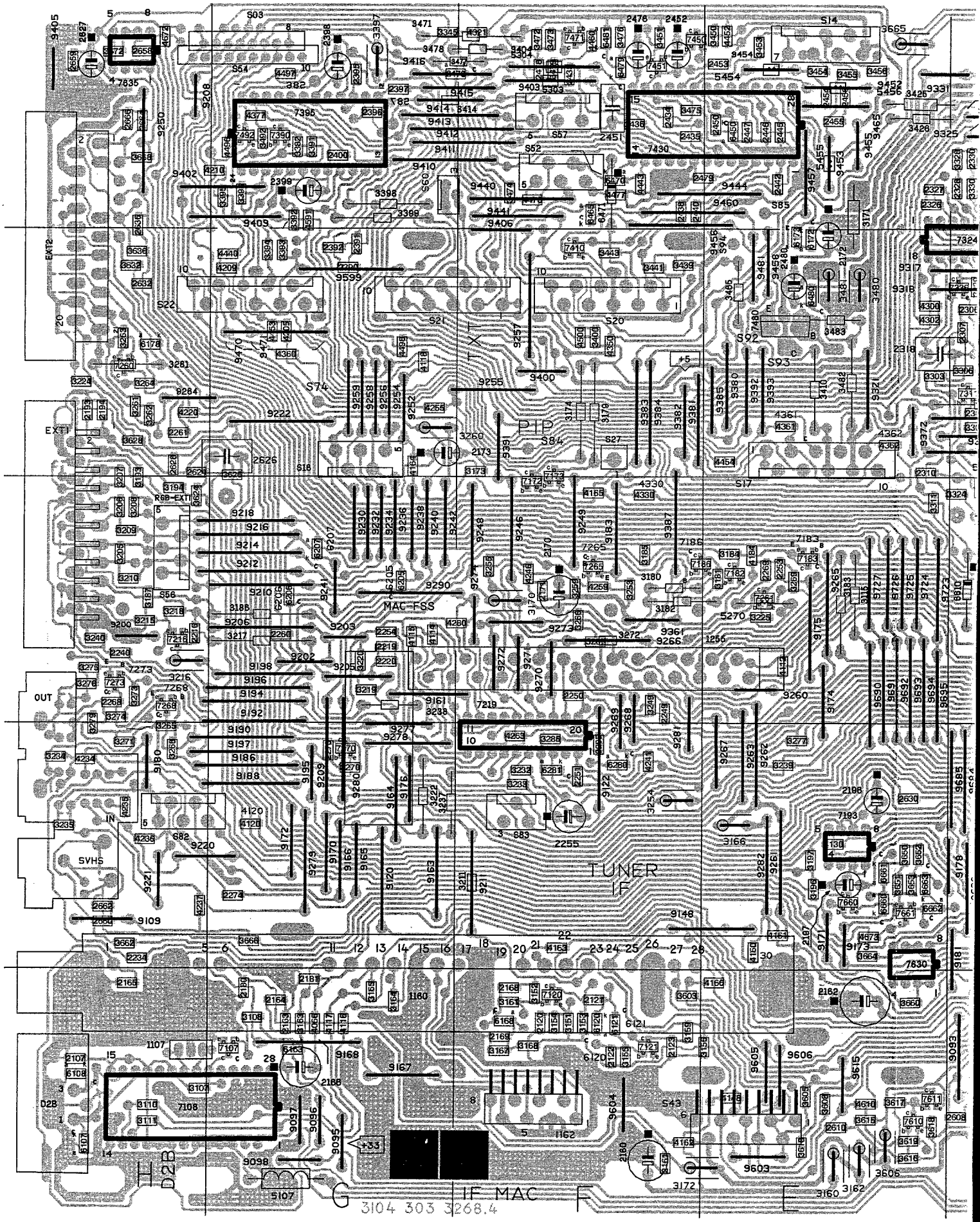
Source selection audio
Tonquellenwahl
Selezione delle sorgenti sonore
Sélection source son

Sound processing
Ton Prozessor
Processore del suono
Traitement son

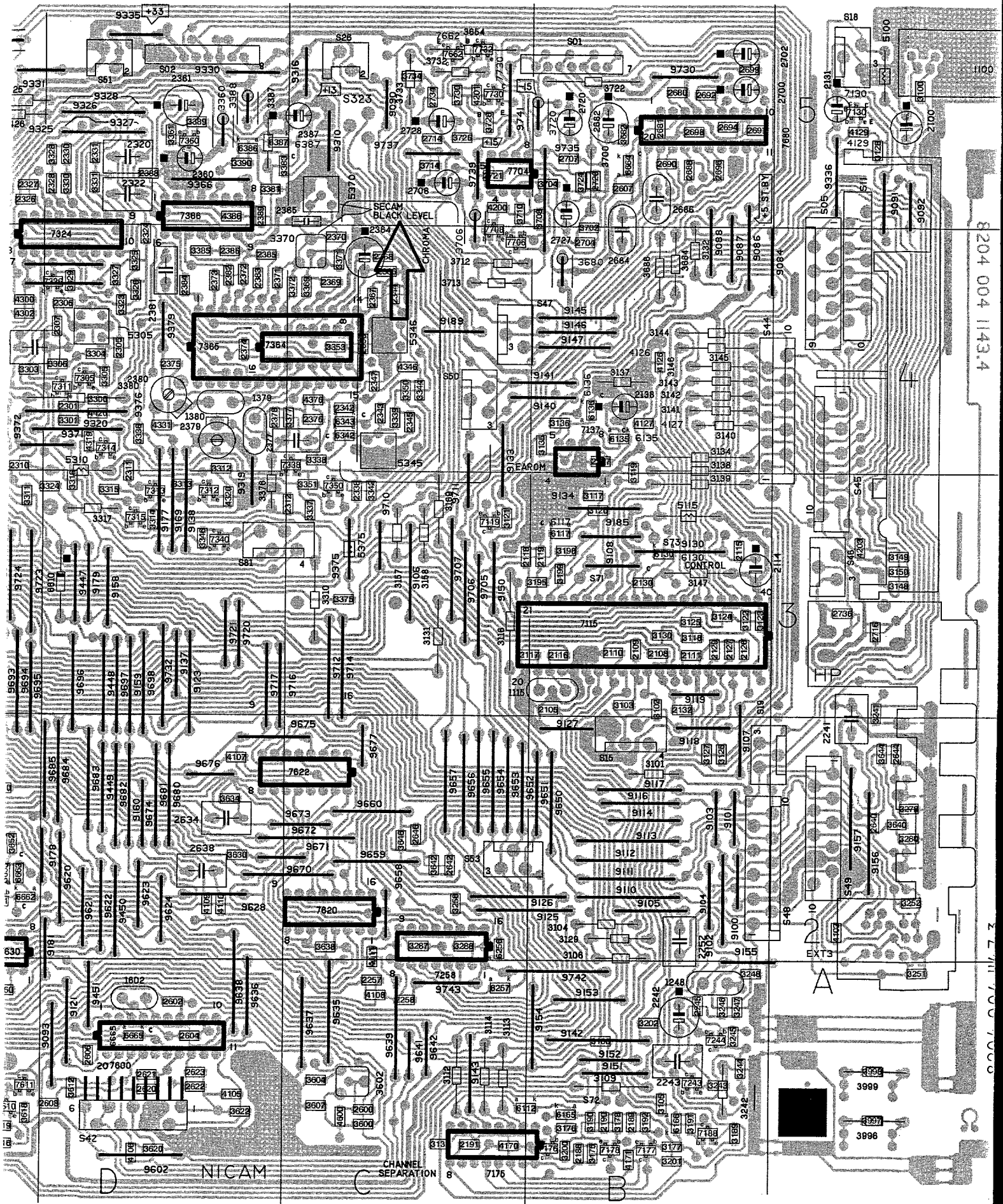
CHASSIS FL1.1/1.2

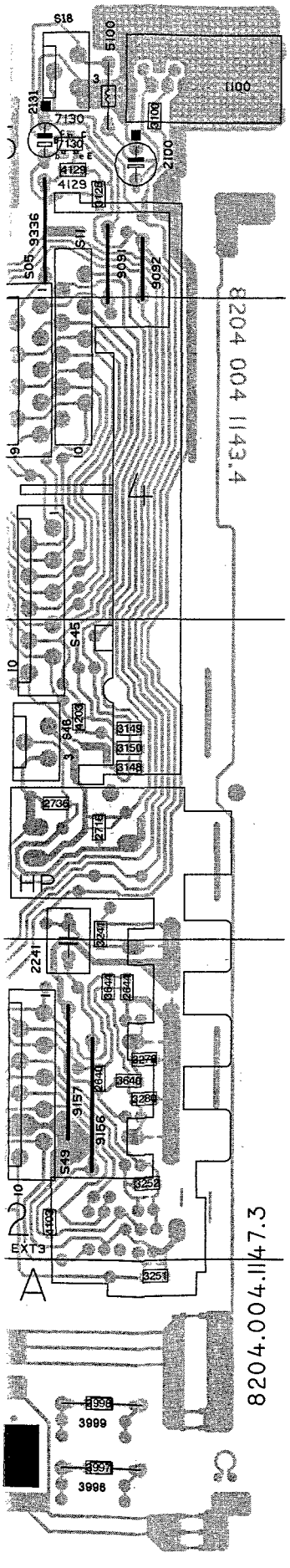
CL16532077/013,FREF 100292

1255	E11	3730	M1
1600	E 2	3732	M1
1602	M 1	3733	M1
2600	G 2	3734	N1
2602	H 1	4105	G
2604	D 2	4106	G
2606	N 3	4107	K1
2608	M 2	4109	F1
2616	D 3	4110	D
2620	H 5	4112	F1
2622	H 4	4166	D
2624	B 6	4200	K1
2626	A 7	4201	M1
2627	M13	4255	N
2628	C 6	4600	F
2630	B 7	4610	C
2632	D 6	4672	L1
2634	C 7	4673	C1
2636	D 6	6610	N
2638	D 6	6660	B1
2640	E 6	6661	B1
2642	E 7	6662	D1
2644	F 6	6663	D1
2646	F 7	6664	H1
2658	J13	6665	M
2659	M12	7600	E
2660	C16	7610	C
2662	E16	7611	C
2664	N14	7620	A
2666	N13	7622	J
2680	H14	7630	E1
2681	H15	7635	J1
2682	H14	7660	B1
2684	F14	7661	C1
2686	G14	7662	B1
2688	H16	7680	E1
2690	H16	7704	I1
2692	H17	7706	J1
2694	H18	7708	K1
2696	E17	7730	L1
2697	G19	7732	N1
2698	E18	9145	M1
2699	H19	9146	M1
2700	F19	9147	K1
2702	G19	9260	G1
2704	K15	9447	N
2706	J18	9615	D
2707	J18	9641	G
2714	L18	9716	H1
2716	K20	9717	H1
2720	O17		
2721	O17		
2726	N15		
2727	L15		
2728	N15		
2734	N19		
2736	N20		
3174	K18		
3600	E 2		
3602	F 1		
3603	H 1		
3604	G 1		
3605	H 1		
3606	M 3		
3607	F 1		
3608	M 4		
3610	M 4		
3612	M 6		
3615	B 3		
3616	D 3		
3617	B 3		
3618	D 3		
3619	C 2		
3620	H 5		
3622	H 3		
3624	A 6		
3626	B 7		
3628	B 6		
3630	C 7		
3632	C 6		
3634	C 7		
3636	D 6		
3638	D 7		
3640	E 6		
3642	E 7		
3644	F 6		
3646	F 7		
3650	B17		
3651	B17		
3652	D17		
3653	D17		
3654	B18		
3660	C14		
3662	C15		
3664	D14		
3665	M12		
3666	D15		
3668	N14		
3672	N13		
3680	G14		
3682	H14		
3684	D17		
3686	E17		
3700	J14		
3702	K14		
3704	K15		
3706	J19		
3708	J17		
3710	K17		
3712	K18		
3713	K18		
3720	N18		
3722	L14		
3724	N14		
3726	N15		
3728	M17		


TXT
PIP
MAC-FSS
TUNER
IF
IF MAC
3104 303 3268.4
EXT1
EXT2
RGB-EXT
OUT
IN
SVHS
D2B

Platine petits signaux





D2B H1	2180 G1	2392 G4	3102 B3	3189 B1	3310 C3	3604 C1	4162 F1	6173 E4	7622 C2	9175 E3	9330 D5	9671 D2
EXT1 H3	2181 G1	2395 G5	3103 B3	3190 B1	3311 E3	3605 E1	4163 F2	6178 H4	7630 E1	9176 G2	9331 E5	9672 C2
EXT2 H4	2188 B1	2396 G5	3104 B2	3191 B1	3312 D4	3606 E1	4164 G4	6205 G3	7635 H5	9177 D3	9335 D5	9673 C2
EXT3 A3	2189 B1	2397 G5	3105 B1	3192 B1	3313 D3	3607 C1	4165 F3	6206 G3	7660 E2	9178 D2	9336 A5	9674 D2
SVHS H2	2190 B1	2398 G5	3106 B2	3193 H4	3314 D3	3608 E1	4166 E1	6207 G3	7661 E2	9179 D3	9361 F3	9675 D2
S01 B5	2191 C1	2399 G5	3107 H1	3194 H3	3315 D3	3610 E1	4170 C1	6256 C2	7662 C5	9180 H2	9366 D5	9676 D2
S02 D5	2193 H4	2400 G5	3108 G1	3195 B3	3316 D3	3612 D1	4171 B1	6257 C1	7680 B5	9181 D2	9371 D4	9677 C2
S03 H5	2194 H4	2433 F5	3109 B1	3196 E2	3317 D3	3615 E1	4184 E3	6280 F2	7704 C5	9183 F3	9372 E4	9680 D2
S05 A4	2196 E2	2434 F5	3110 H1	3197 E2	3323 D4	3616 E1	4200 C5	6281 F2	7706 C4	9185 B3	9375 C3	9681 D2
S11 A5	2197 E2	2435 F5	3111 H1	3198 B3	3324 D3	3617 E1	4201 C5	6342 C4	7708 C4	9186 G2	9376 D4	9682 D2
S14 E5	2216 H3	2436 F5	3112 C1	3199 B3	3325 D4	3618 E1	4203 A3	6343 C4	7730 C5	9188 G2	9378 D4	9683 D2
S15 B2	2219 G3	2438 F5	3113 C1	3200 B1	3326 D4	3619 E1	4205 G4	6386 D5	7732 C5	9189 C4	9380 E4	9684 D2
S16 G4	2220 G3	2440 F5	3114 C1	3201 B1	3327 D4	3620 D1	4209 G4	6387 D5	9084 B4	9190 G2	9381 F4	9685 D2
S17 E4	2234 H2	2442 E5	3115 E3	3202 B1	3328 D5	3622 D1	4210 G5	6450 E5	9086 B4	9192 G3	9382 F4	9690 E3
S18 A5	2240 H3	2445 E5	3116 C3	3205 H3	3329 D4	3624 H3	4220 H4	6465 F5	9087 B4	9194 G3	9383 F4	9691 E3
S19 B2	2241 A2	2446 E5	3117 B3	3206 H3	3330 D5	3626 G4	4234 H2	6470 F5	9088 B4	9195 G2	9384 F4	9692 E3
S20 F4	2242 B1	2447 E5	3118 B3	3207 H4	3331 D5	3628 H4	4235 H2	6471 F5	9090 C5	9196 G3	9385 E4	9693 E3
S21 F4	2243 B1	2450 E5	3119 B4	3208 H3	3336 D4	3630 D2	4236 H2	6478 G5	9091 A5	9197 G2	9387 F3	9694 E3
S22 G4	2245 B1	2451 F5	3120 B3	3209 H3	3337 C3	3632 H4	4237 H2	6479 F5	9092 A5	9198 G3	9391 F4	9695 E3
S26 C5	2249 F3	2452 F5	3121 C3	3210 H3	3338 C4	3634 D2	4241 F2	6480 E4	9093 D1	9200 H3	9392 E4	9696 D3
S27 F4	2250 F3	2453 E5	3122 B3	3211 F2	3339 C4	3636 H4	4246 F3	6481 F5	9095 G1	9202 G3	9393 E4	9697 D3
S42 D1	2251 F2	2454 E5	3123 B3	3215 H3	3342 C3	3638 C2	4255 G4	6610 D3	9096 G1	9203 G3	9400 F4	9698 D3
S43 F1	2252 B2	2455 E5	3124 B3	3216 H3	3344 C4	3640 A2	4259 F3	6660 E2	9097 G1	9205 G3	9402 G5	9705 C3
S44 B4	2253 E3	2456 E5	3125 B3	3217 G3	3345 G5	3642 C2	4263 F2	6661 E2	9098 G1	9206 G3	9403 F5	9706 C3
S45 A4	2254 G3	2476 F5	3126 B2	3218 H3	3346 D3	3644 A2	4280 F3	6662 E2	9100 B2	9208 H5	9404 F5	9707 C3
S46 A3	2255 F2	2478 F5	3127 B2	3219 G3	3350 C4	3646 C2	4300 E4	6663 E2	9101 B2	9209 G2	9405 H5	9710 C3
S47 C4	2257 C1	2479 F5	3128 A5	3220 G3	3351 C3	3650 E2	4302 E4	6664 B5	9102 B2	9210 G3	9406 F4	9711 C3
S48 B2	2258 C1	2480 E4	3129 B2	3222 G2	3353 C4	3651 E2	4319 D4	6665 D1	9103 B2	9211 F2	9409 G5	9712 C3
S49 A2	2260 G3	2600 C1	3130 B3	3224 H4	3360 D5	3652 E2	4320 D3	7107 G1	9104 B2	9212 G3	9410 G5	9714 C3
S50 C4	2261 H4	2602 D1	3131 C3	3225 E3	3361 D5	3653 E2	4321 F5	7108 G1	9105 B2	9214 G3	9411 F5	9716 D3
S51 D5	2268 H3	2604 D1	3132 B4	3232 F2	3369 C4	3654 C5	4330 F3	7115 B3	9106 C3	9216 G3	9412 F5	9717 D3
S52 F5	2269 E3	2606 D1	3133 C1	3233 F2	3370 C4	3660 E1	4331 D4	7119 C3	9107 B2	9218 G3	9413 G5	9720 D3
S53 C2	2270 G2	2607 B5	3134 B4	3234 H2	3371 C4	3662 H2	4346 C4	7120 F1	9108 B3	9220 H2	9414 G5	9721 D3
S54 H5	2274 G2	2608 D1	3135 B4	3235 H2	3372 C4	3664 E2	4350 F4	7121 F1	9109 H2	9221 H2	9415 F5	9723 E3
S56 H3	2301 D4	2610 E1	3136 B4	3237 G2	3375 C3	3665 E5	4360 G4	7130 A5	9110 B2	9222 G4	9416 G5	9724 E3
S57 F5	2305 D4	2620 D1	3137 B4	3238 G3	3376 D3	3666 G2	4361 E4	7137 B3	9111 B2	9230 G3	9440 F5	9725 E3
S60 G5	2306 D4	2621 D1	3138 B4	3239 E2	3377 C4	3668 H5	4362 E4	7172 F3	9112 B2	9232 G3	9441 F5	9726 E3
S81 D3	2307 D4	2622 D1	3139 B3	3240 H3	3380 D4	3672 H5	4376 C4	7173 F4	9113 B2	9234 G3	9444 E5	9727 E3
S82 H2	2310 E4	2623 D1	3140 B4	3241 A3	3381 D5	3680 B4	4377 G5	7175 B1	9114 B2	9236 G3	9447 D3	9730 B5
S83 F2	2311 D4	2624 H4	3141 B4	3242 B1	3382 G5	3682 B5	4386 D5	7176 B1	9116 B2	9238 G3	9448 D3	9732 D3
1100 A5	2312 C3	2626 G4	3142 B4	3243 B1	3383 D5	3684 B4	4420 D4	7177 B1	9117 B2	9240 G3	9449 D2	9735 B5
1107 H1	2318 E4	2627 H5	3143 B4	3244 B1	3386 D4	3686 B4	4440 G4	7178 B1	9118 B2	9241 G3	9450 D2	9737 C5
1115 B3	2320 D5	2628 H4	3144 B4	3245 B1	3387 D5	3700 B5	4443 F5	7182 E3	9119 B3	9242 G3	9451 D1	9739 C5
1160 E2	2322 D5	2630 E2	3145 B4	3246 B1	3388 D5	3702 B4	4452 E5	7183 E3	9120 G2	9246 F3	9452 E5	9741 C5
1162 F1	2324 D4	2632 H4	3146 B4	3247 B1	3389 D5	3704 B5	4453 G4	7186 F3	9121 D1	9248 F3	9453 E5	9742 B1
1248 B1	2326 E5	2634 D2	3147 B3	3248 B1	3390 D5	3706 C4	4454 E4	7188 B1	9122 F2	9249 F3	9454 E5	9743 C1
1379 D4	2327 E5	2636 H5	3148 A3	3249 F3	3391 G5	3708 B5	4460 F5	7193 E2	9123 D3	9250 H5	9455 E5	
1380 D4	2328 D5	2638 D2	3149 A3	3251 A1	3392 G5	3710 C5	4476 F5	7216 H3	9125 C2	9252 G4	9456 F5	
1602 D1	2330 D5	2640 A2	3150 A3	3252 A2	3393 G4	3712 C4	4477 F5	7219 F2	9126 C2	9254 G4	9457 E5	
2100 A5	2331 D5	2642 C2	3151 F1	3253 F3	3394 G4	3713 C4	4496 G5	7243 B1	9127 B2	9255 F4	9458 E4	
2105 B3	2338 C3	2644 A2	3152 F1	3254 F2	3395 G5	3714 C5	4497 G5	7244 B1	9130 B3	9256 G4	9460 F5	
2107 H1	2342 C4	2646 C2	3153 F1	3255 F3	3396 G5	3720 B5	4498 G4	7258 C1	9133 C4	9257 F4	9465 E5	
2108 B3	2343 C4	2658 H5	3154 F1	3256 C2	3397 G5	3722 B5	4500 F4	7260 H4	9134 B3	9258 G4	9470 G4	
2109 B3	2344 C4	2659 H5	3155 F1	3257 C1	3398 G5	3724 B5	4591 G5	7261 E3	9137 D3	9259 G4	9471 G4	
2110 B3	2345 C4	2660 H2	3156 E1	3259 F3	3399 G5	3726 C5	4600 C1	7265 F3	9138 D3	9260 E3	9481 E4	
2111 B3	2347 C4	2662 H2	3157 C3	3260 G4	3400 F4	3728 C5	4610 E1	7268 H3	9140 B4	9261 E2	9599 G4	
2114 B3	2353 C4	2664 H5	3158 C3	3261 H4	3410 E4	3730 C5	4672 H5	7270 G2	9141 B4	9262 E2	9602 D1	
2115 B3	2360 D5	2666 H5	3159 F1	3262 H4	3414 G5	3732 C5	4673 E2	7273 H3	9142 B1	9263 E2	9603 E1	
2116 B3	2361 D5	2680 B5	3160 E1	3263 H4	3425 E5	3733 C5	5100 A5	7305 D4	9143 C1	9264 H4	9604 F1	
2117 C3	2364 C4	2681 B5	3161 F1	3264 H4	3426 E5	3734 C5	5107 G1	7311 D4	9145 B4	9265 E3	9605 E1	
2118 C3	2365 C5	2682 B5	3162 E1	3265 H2	3439 F4	3996 A1	5115 B3	7312 D3	9146 B4	9266 F3	9606 E1	
2119 B3	2366 C4	2684 B4	3163 G1	3266 F3	3441 F4	3997 A1	5270 E3	7313 D3	9147 B4	9267 E2	9615 E1	
2120 F1	2367 C4	2686 B5	3164 G1	3267 F3	3443 F4	3998 A1	5303 F5	7314 D4	9148 E2	9268 F3	9620 D2	
2121 F1	2368 C4	2688 B5	3165 G1	3268 H2	3450 E5	3999 A1	5304 F5	7315 D3	9150 C3	9269 F3	9621 D2	
2122 F1	2369 C4	2690 B5	3166 E2	3269 E3	3451 F5	4066 G1	5305 D4	7324 E5	9151 B1	9270 F3	9622 D2	
2123 F1	2370 C4	2692 B5	3167 F1	3270 G2	3453 E5	4103 A2	5310 D4	7326 D4	9152 B1	9271 F3	9623 D2	
2126 B3	2371 D4	2694 B5	3168 F1	3271 H2	3454 E5	4105 D1	5345 C4	7338 C4	9153 B1	9272 F3	9624 D2	
2127 B3	2372 D4	2696 B5	3169 C3	3272 F3	3455 E5	4106 D1	5346 C4	7340 D3	9154 B1	9273 F3	9628 D2	
2129 B3	2373 D4	2697 B5	3170 F3	3273 H3	3456 E5	4107 D2	5370 C5	7350 C3	9155 B1	9274 F3	9635 C1	
2130 B3	2374 D4	2698 B5	3171 E5	3274 H3	3465 E4	4108 C1	5375 C3	7360 D5	9156 A2	9277 G2	9636 D1	
2131 A5	2375 D4	2699 B5	3172 E1	3275 H3	3471 F5	4109 D2	5454 E5	7364 D4	9157 A2	9278 G2	9637 C1	
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2161 F1	2380 D4	2707 B5	3177 B1	3280 A2	3476 F5	4115 G3	6112 C1	7395 G5	9163 G2	9290 G3	9650 B2	
2162 E1	2381 D4	2714 C5	3178 B1	3281 H4	3477 G5	4116 G1	6117 B3	7410 F4	9164 G2	9310 C5	9651 B2	
2163 G1	2382 D4	2716 A3	3179 F4	3285 F2	3478 F5	4117 G1	6120 F1	7430 E5	9165 G2	9316 C5	9652 C2	
2164 G1	2383 D4	2720 B5	3180 F3	3286 F2	3479 F5	4118 G4	6121 F1	7450 F5	9166 G2	9317 D4	9653 C2	
2165 H1	2384 D4	2721 C5	3181 E3	3287 C2	3480 E4	4120 G2	6130 B3	7451 F5	9167 G1	9318 D4	9654 C2	
2166 G1	2385 D4	2726 B5	3182 F3	3288 C2	3481 E4	4126 B4	6135 B4	7471 F5	9168 G1	9319 D3	9655 C2	
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2169 F1	2387 C5	2728 C5	3184 E3	3301 D4	3483 E4	4129 A5	6163 G1	7492 G5	9170 G2	9321 E4	9657 C2	
2170 F3	2388 D5	2734 C5	3185 F3	3303 E4	3492 G5	4130 E2	6165 B1	7600 D1	9171 E2	9325 D5	9658 C2	
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2172 E4	2390 G4	3100 A5	3187 H3	3305 D4	3602 C1	4160 E2	6168 F1	7611 E1	9173 E2	9327 D5	9660 C2	
2173 G4	2391 G4	3101 B2	3188 B1	3306 D4	3603 F1	4161 E2	6172 E4	7620 C2	9174 E3	9328 D5	9670 C2	

Large signal panel

Groß-s

L01 F1	2219 F5	2545 C3	3241 B4	3479 F2	3617 F1	6010 A5	7242 B4	9047 E5	9550 D4
L02 E1	2231 E4	2546 D2	3242 B4	3480 B1	3618 B2	6011 D5	7243 B4	9048 D4	9552 F1
L03 A1	2232 E5	2547 C2	3243 B4	3481 F2	3619 F1	6012 D5	7246 E1	9050 A4	9557 E2
L06 C2	2233 E4	2548 D2	3244 B4	3482 F2	3620 F1	6014 C5	7250 F3	9051 D4	9614 E2
L13 C4	2234 E5	2551 C4	3245 B4	3484 B3	3621 F1	6016 B5	7251 F3	9052 D5	9615 B2
L30 A1	2235 D3	2560 D4	3246 E1	3485 E2	3622 E1	6021 D4	7268 F2	9053 D5	9801 B4
L32 E2	2237 E3	2600 F1	3247 B4	3500 B2	3623 E1	6201 F3	7270 F2	9054 D4	9802 B4
L33 G2	2238 D4	2601 B2	3248 B4	3501 C2	3626 A2	6203 H2	7272 G1	9055 A4	9803 B3
L34 G2	2239 B4	2604 B2	3249 F3	3502 B1	3627 B4	6204 H2	7273 F2	9056 A3	
L35 G3	2240 D4	2605 F1	3250 F3	3503 B2	3628 A1	6210 G3	7321 F3	9057 C4	
L36 A2	2250 F3	2606 C3	3251 F3	3504 D1	3629 B2	6211 F3	7380 E3	9058 G2	
L39 F3	2254 F2	2607 B3	3252 F3	3505 C3	3630 F1	6212 F4	7381 E3	9059 G1	
L40 E3	2255 F3	2609 F1	3253 F2	3506 C1	3631 B2	6213 F4	7384 E3	9060 G1	
L61 G2	2258 F3	2610 F1	3255 F3	3507 D1	3632 C3	6216 F5	7385 E3	9063 B5	
L65 G2	2260 E3	2611 F1	3266 F2	3508 C2	3633 B2	6220 G4	7400 B3	9064 B5	
L80 G4	2261 E3	2612 E1	3267 F2	3509 C2	3650 A2	6221 G5	7402 C3	9065 B4	
L90 C3	2262 E3	2613 F1	3268 F2	3510 D1	3651 A2	6230 E4	7417 B3	9066 B5	
SK1 G3	2263 E2	2614 F1	3270 F2	3511 D3	3652 A2	6232 E4	7443 A2	9067 A3	
SK2 B3	2270 G1	2615 F1	3271 F2	3512 C3	3653 A2	6235 D3	7444 A2	9202 D3	
0207 A4	2272 G2	2626 A2	3272 F2	3513 C3	3800 B4	6237 E3	7450 A1	9203 D4	
0211 A3	2330 B4	2633 B2	3273 G2	3514 F2	3801 B4	6238 E3	7451 A1	9204 G2	
1200 G3	2380 E3	2652 A2	3274 G1	3515 C2	3802 B4	6246 B4	7469 B2	9205 H1	
1250 F3	2381 E3	2801 B4	3275 G2	3516 C2	3803 B4	6251 F3	7480 F2	9206 H1	
2001 G1	2382 E3	2805 B4	3298 F5	3517 C2	3804 B4	6260 E3	7481 E2	9218 H1	
2002 G1	2386 E3	2806 B4	3299 F5	3518 D2	3805 B4	6262 E3	7501 B2	9219 E3	
2003 G1	2401 B3	3000 D5	3306 F3	3519 E2	3806 B4	6266 F2	7506 D1	9220 G4	
2007 B5	2402 B2	3001 D5	3376 E3	3520 E2	3807 C3	6272 G2	7512 C3	9221 G3	
2008 B5	2403 B2	3002 B5	3380 E3	3521 E2	3809 B4	6280 C4	7513 C3	9222 F3	
2009 G1	2404 A2	3003 B5	3381 E3	3522 C1	3810 B3	6306 F3	7530 F1	9223 F4	
2011 D5	2405 A2	3004 C5	3382 E3	3523 D1	4000 A5	6321 F3	7540 C4	9224 F5	
2012 C5	2406 B3	3005 D5	3383 E3	3524 D1	4001 D5	6352 E3	7541 C4	9225 E3	
2013 C5	2407 B2	3006 C5	3384 E3	3525 E2	4003 A5	6353 E3	7542 C4	9228 E4	
2015 A3	2408 C3	3008 C5	3385 E2	3526 B2	4004 C5	6372 E3	7543 D2	9229 E5	
2016 A3	2409 B2	3009 C5	3386 E3	3527 F1	4005 C5	6373 E3	7550 D3	9230 F3	
2017 A5	2410 B2	3011 C5	3387 E3	3528 D3	4006 D5	6375 E3	7551 D4	9231 E5	
2018 A5	2411 B2	3012 C5	3402 B2	3529 F1	4007 C5	6376 E3	7552 C4	9232 E4	
2019 A4	2412 C3	3013 D4	3403 B2	3530 F1	4074 A5	6403 C3	7601 F1	9233 F2	
2020 A4	2413 C3	3014 D4	3404 A2	3531 B3	4200 E3	6404 C3	7602 F1	9234 F1	
2021 A4	2415 A3	3016 B5	3405 B3	3532 C3	4400 B1	6417 B3	7603 F1	9235 E4	
2022 A4	2416 B3	3019 B5	3406 B3	3533 C3	4401 B4	6422 B2	7608 F1	9238 G3	
2023 A3	2417 B3	3020 B5	3407 B3	3534 D3	4402 C4	6440 B2	7610 E1	9239 E3	
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2032 B5	2458 B1	3033 D4	3418 B3	3543 C4	4461 B2	6516 C3	9001 C5	9400 D3	
2033 D5	2459 B1	3034 D4	3419 B4	3544 C4	4508 B2	6517 C3	9003 A4	9450 A1	
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2041 D5	2502 B2	3040 A5	3426 A2	3548 D2	4802 B4	6527 C1	9008 B5	9454 C3	
2042 C5	2503 B2	3041 A5	3428 C3	3549 D2	4803 B3	6529 F1	9010 C5	9455 B2	
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2045 D5	2509 D2	3049 G1	3438 C3	3552 E2	5204 H2	6542 C3	9015 B4	9462 C4	
2046 B5	2510 D2	3050 G1	3439 B2	3553 E2	5230 F4	6546 C2	9017 B5	9463 B3	
2047 B5	2511 C2	3051 G1	3440 B3	3555 D1	5231 E5	6547 D3	9018 F5	9464 B4	
2050 C5	2512 C3	3052 G1	3441 B3	3556 C1	5233 E4	6551 C4	9019 E3	9465 B4	
2051 C5	2513 C2	3053 G1	3442 B3	3557 E2	5235 E4	6570 C4	9020 D5	9471 B2	
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2053 D5	2518 C3	3060 B5	3444 B2	3560 C4	5241 C4	6633 B2	9022 A3	9500 D2	
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2060 B5	2523 C1	3069 A4	3453 A1	3570 C4	5505 C1	6804 B3	9028 A5	9520 E2	
2061 B5	2524 D1	3072 A4	3455 A1	3573 D1	5506 C1	7000 C5	9029 B5	9521 D1	
2065 C4	2525 E2	3073 A5	3456 A2	3601 C3	5507 D1	7001 D5	9030 B4	9529 D3	
2066 D5	2526 E2	3074 A5	3457 A2	3602 B2	5510 D1	7002 C5	9031 C4	9530 B2	
2070 A5	2527 D1	3201 H3	3458 A1	3603 B2	5511 D3	7003 A5	9032 C5	9533 C2	
2071 A5	2529 F1	3202 F5	3459 A1	3604 B2	5514 F2	7004 A5	9033 C4	9534 C2	
2072 D4	2530 F1	3203 H2	3460 B1	3605 C2	5520 E2	7005 D5	9034 C5	9535 C3	
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2203 H2	2536 C4	3211 G3	3465 A2	3610 F1	5527 C1	7010 A5	9039 B3	9541 D2	
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2211 F4	2540 F1	3213 F3	3467 B1	3612 E1	5543 D4	7012 D4	9042 C4	9543 C2	
2214 G4	2541 C4	3214 E5	3468 A2	3613 B2	5555 D3	7013 A5	9043 D5	9544 D1	
2215 G4	2542 C4	3215 E5	3469 A1	3614 E1	6000 A5	7201 F3	9044 A5	9545 C1	
2216 G5	2543 C4	3216 F4	3470 A1	3615 F1	6001 A5	7216 G5	9045 D4	9547 D1	
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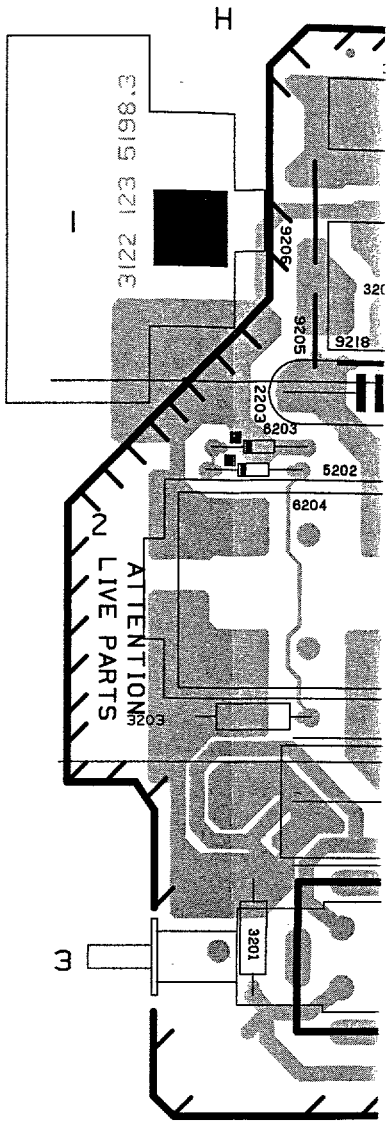
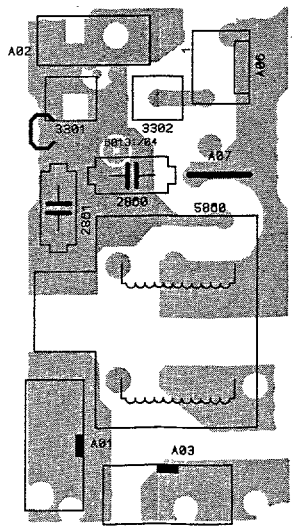
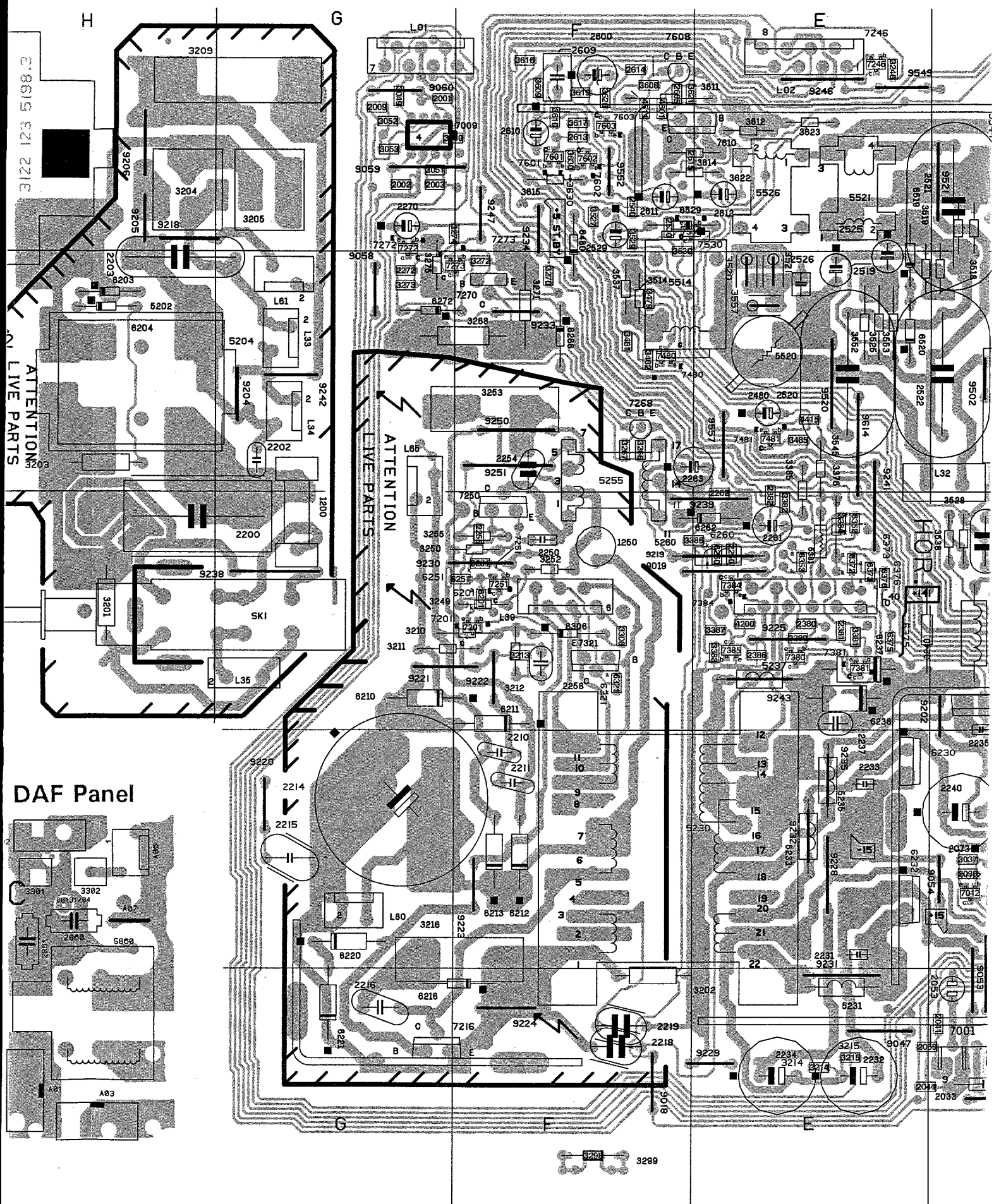


DAF Panel

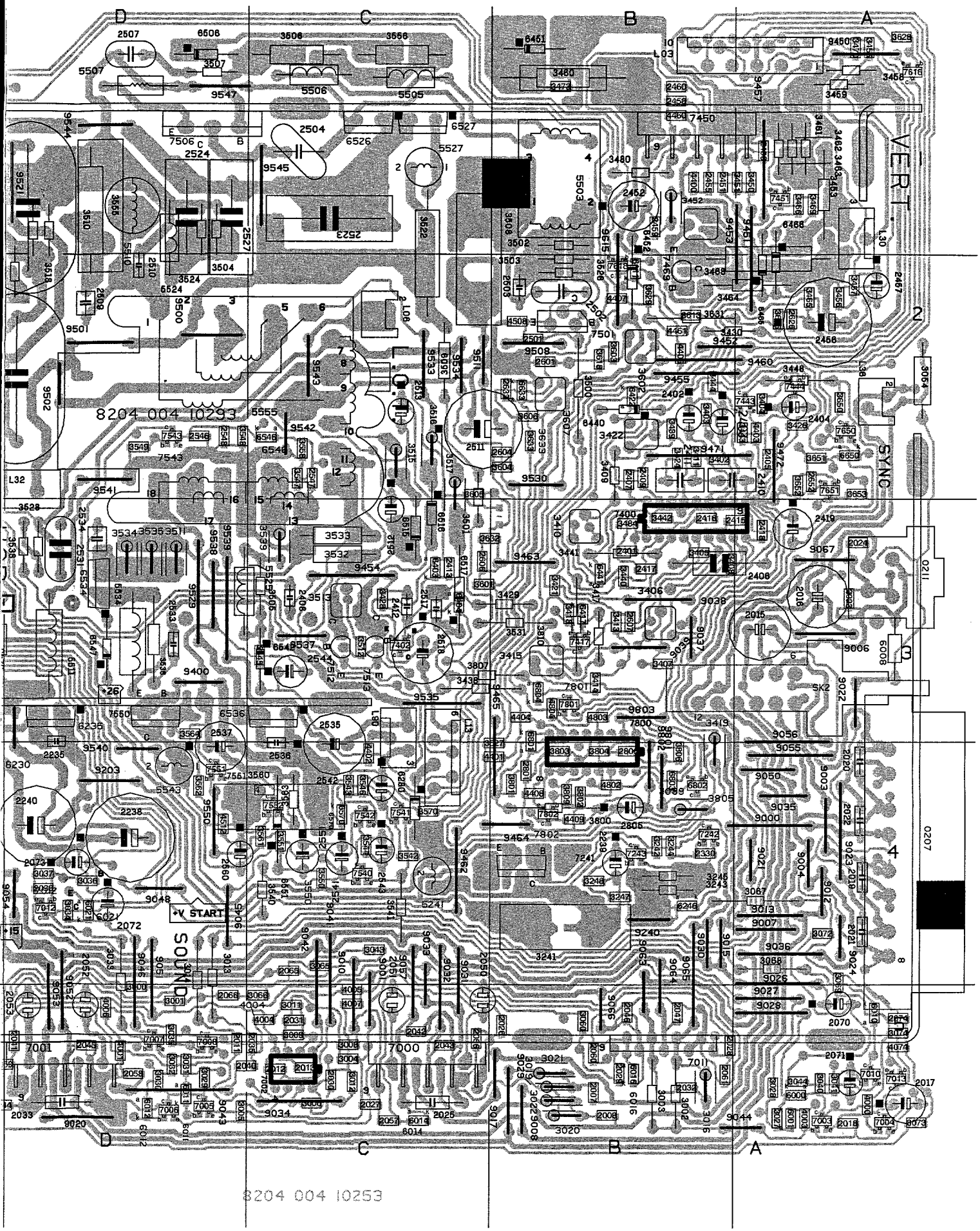


Groß-signal Platine

Platine forts signaux



DAF Panel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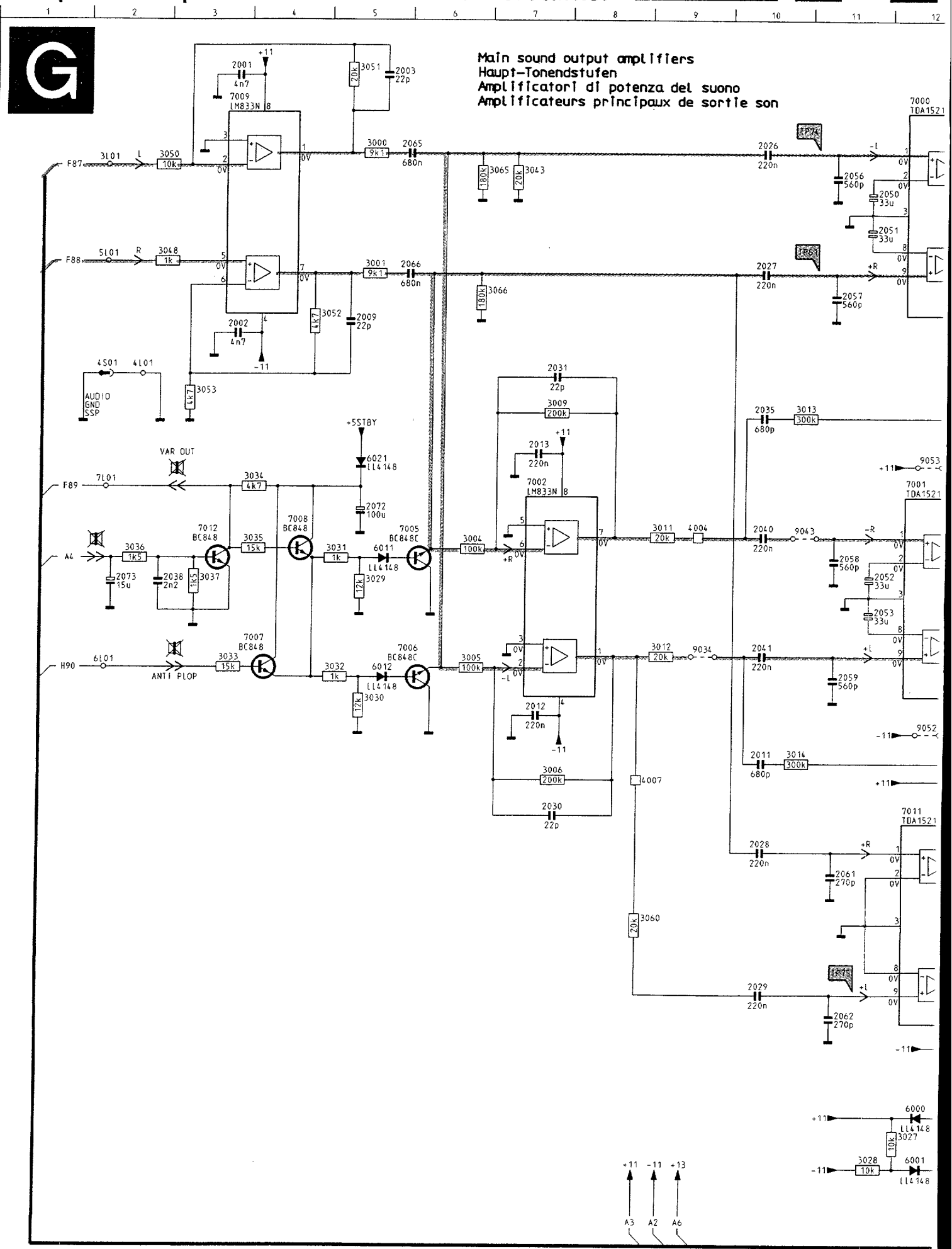
SYNC
SOUND
+V START
8204 004 10293
8204 004 10253

Audio power amplification

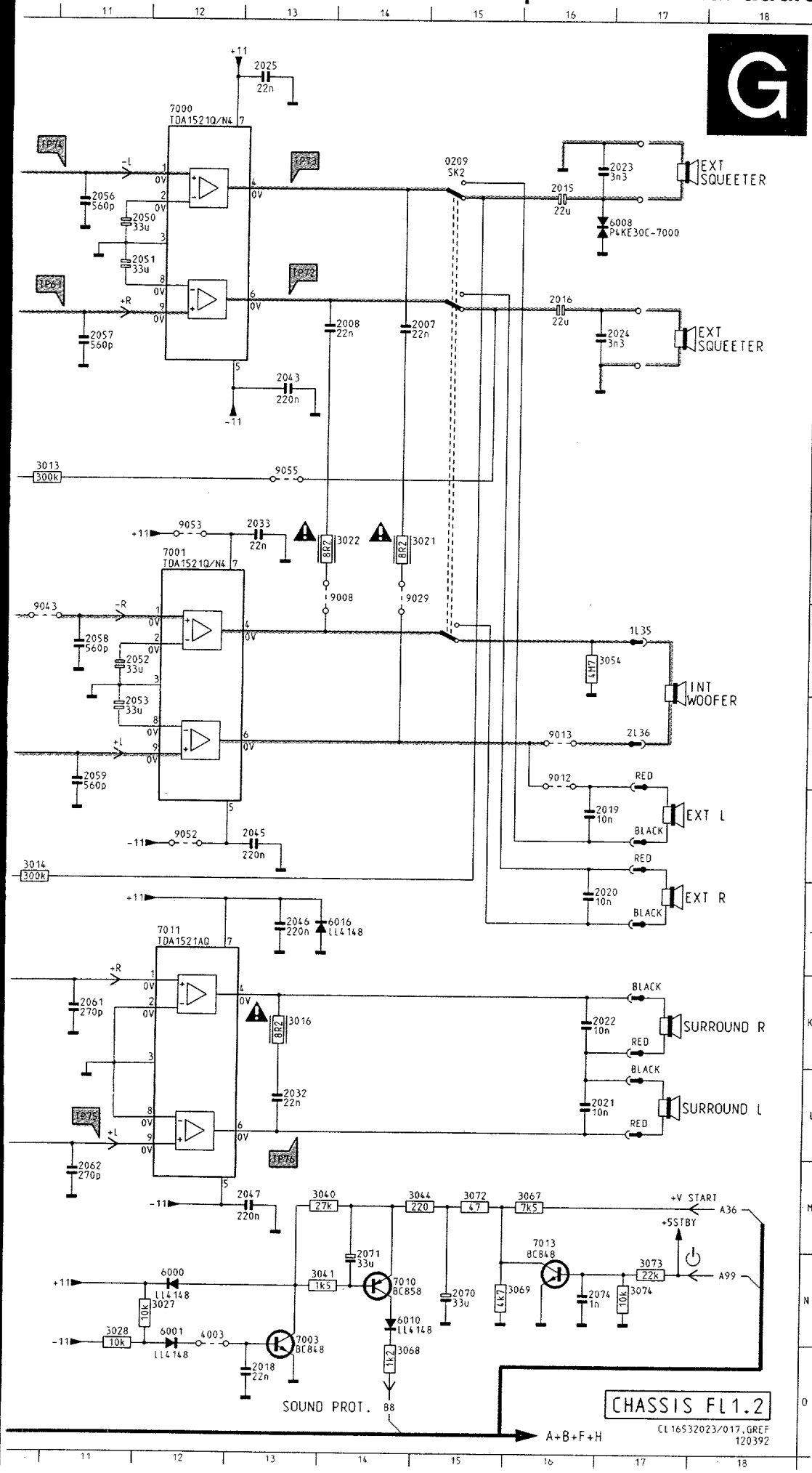
Ton End-Verstärker

G

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



Amplification final audio



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	2008	D14	9012	H16
	2009	D 5	9013	H16
	2011	I10	9029	F14
	2012	I 7	9034	H 9
	2013	F 7	9043	G10
	2015	B16	9052	I12
	2016	C16	9053	F12
	2018	O13	9055	E13
B	2019	I16		
	2020	J16		
	2021	L16		
	2022	K16		
	2023	B16		
	2024	D16		
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C	2026	B10		
	2027	C10		
	2028	K10		
	2029	L10		
	2030	J 7		
	2031	E 7		
	2032	L13		
	2033	F13		
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	3005	H 6		
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	3009	E 7		
	3011	G 9		
	3012	H 9		
	3013	E10		
	3014	I10		
	3016	K13		
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I	3022	F14		
	3027	N12		
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	3031	G 5		
	3032	H 5		
	3033	H 3		
J	3034	F 4		
	3035	G 4		
	3036	G 2		
	3037	G 3		
	3040	M14		
	3041	N14		
	3043	B 7		
K	3044	M15		
	3048	C 2		
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	3073	N17		
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	6012	H 5		
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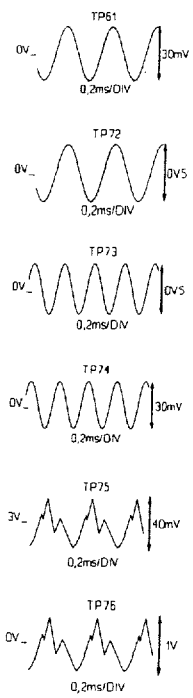
	6021	F 5		
	7000	A12		
	7001	F12		
	7002	F 7		
	7003	O13		
O	7005	G 5		
	7006	H 5		
	7007	H 3		
	7008	G 4		
	7009	A 3		



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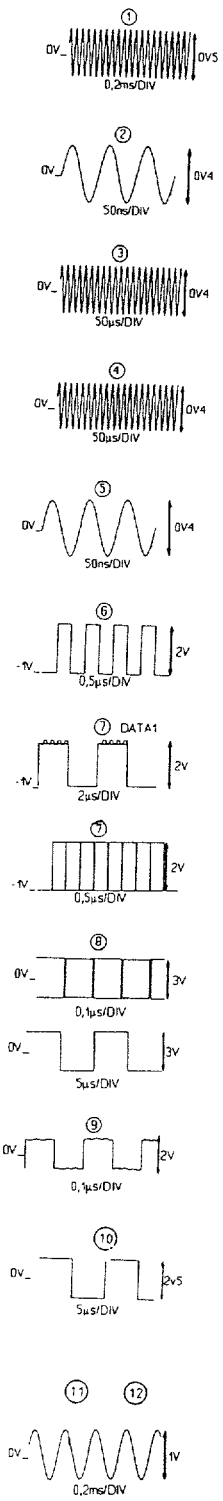
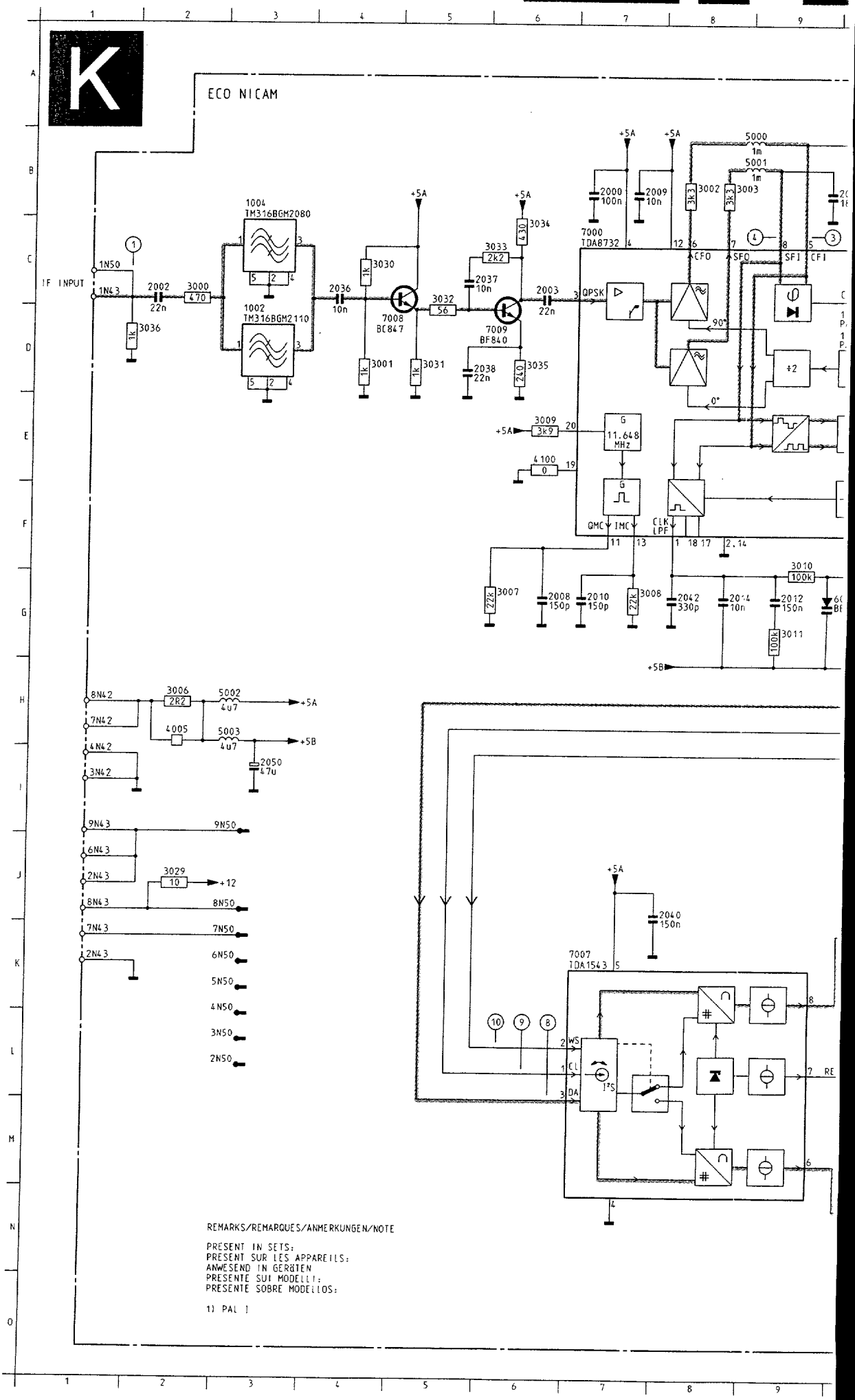
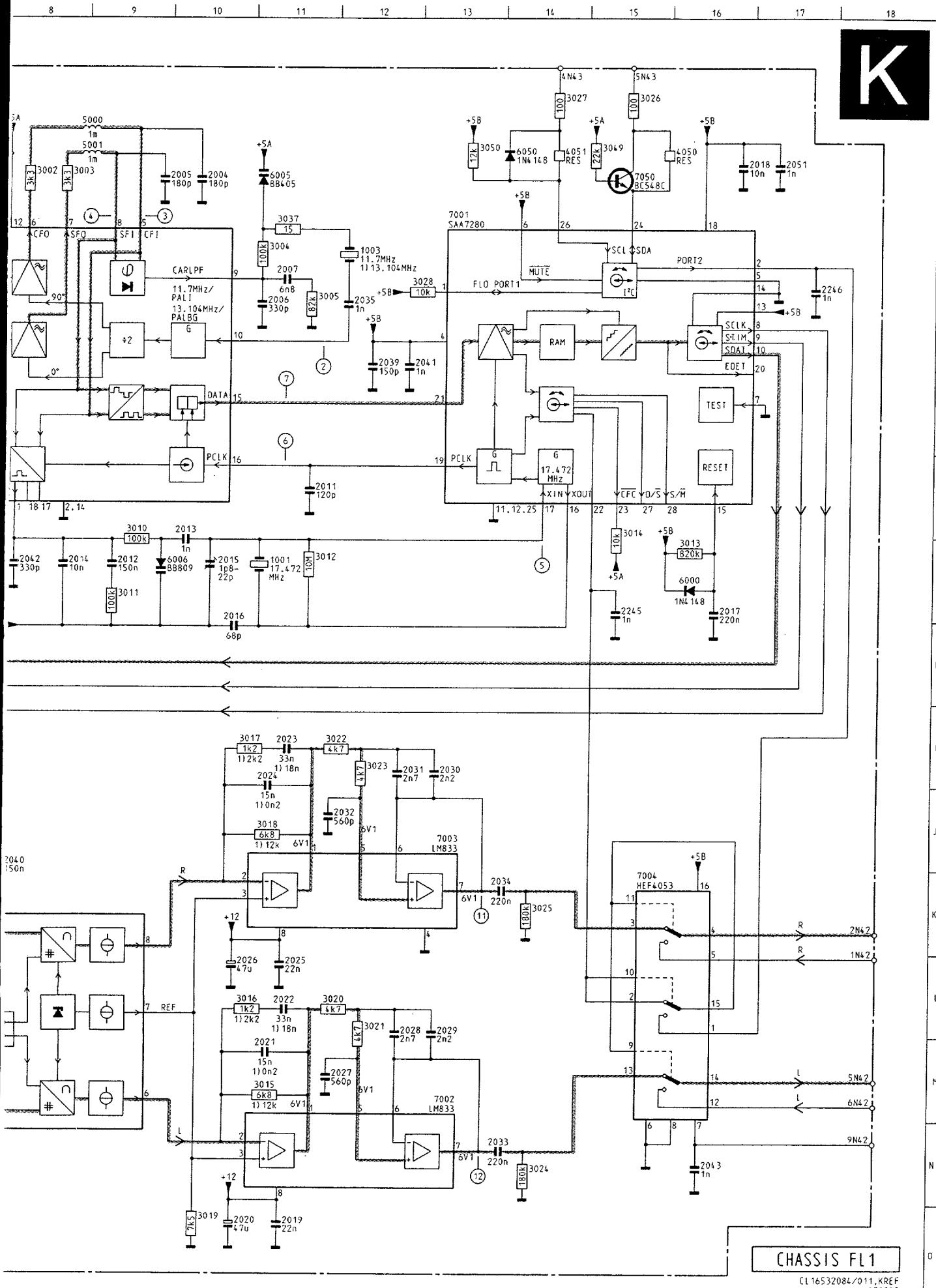

① 0V 0V5 0,2ms/DIV
② 0V 0V4 50ns/DIV
③ 0V 0V4 50µs/DIV
④ 0V 0V4 50µs/DIV
⑤ 0V 0V4 50ns/DIV
⑥ -1V 2V 0,5µs/DIV
⑦ DATA1 -1V 2V 2µs/DIV
⑦ -1V 2V 0,5µs/DIV
⑧ 0V 3V 0,1µs/DIV
0V 3V 5µs/DIV
⑨ 0V 2V 0,1µs/DIV
⑩ 0V 2V5 5µs/DIV
⑪ ⑫ 0V 1V 0,2ms/DIV


K
ECO NICAM
IF INPUT
1N50
1N43
1004 TM316BGM2080
1002 TM316BGM2110
7008 BC847
7009 BF840
7000 TDA8732
QPSK
CFO
SFO
SFI
CFI
11.648 MHz
GMC
IMC
CLK
LPF
7007 TDA1543
WS
CL
DA
I²S
8N42
7N42
4N42
3N42
9N43
6N43
2N43
8N43
7N43
2N43
9N50
8N50
7N50
6N50
5N50
4N50
3N50
2N50
+5A
+5B
+12
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) PAL I



	1001	G11
	1002	D 3
	1003	C12
	1004	B 3
A	2000	B 7
	2002	C 2
	2003	C 6
	2004	B10
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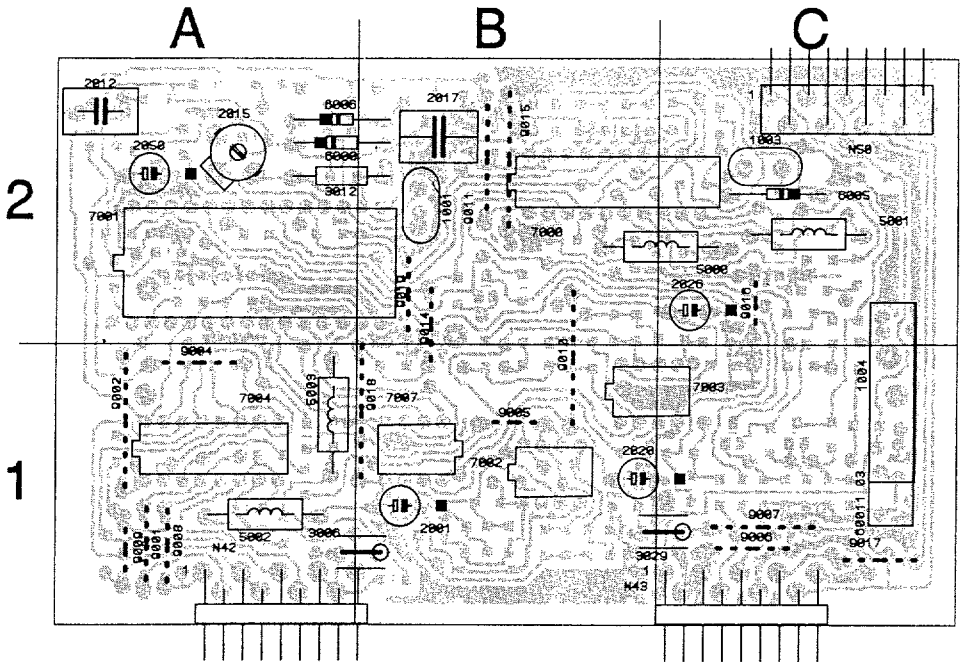
	2006	D11
	2007	C11
	2008	G 6
B	2009	B 7
	2010	G 7
	2011	F11
	2012	G 9
	2013	F10
	2014	G 8
	2015	G10
	2016	G10
C	2017	G16
	2018	B16
	2019	D11
	2020	D10
	2021	M11
	2022	L11
	2023	I11
	2024	I11
D	2025	L11
	2026	L10
	2027	M12
	2028	L12
	2029	L13
	2030	I13
	2031	I12
E	2032	J12
	2033	N14
	2034	K14
	2035	D12
	2036	C 4
	2037	C 5
	2038	D 5
	2039	D12
F	2040	J 8
	2041	D12
	2042	G 8
	2043	N16
	2050	I 3
	2051	B17
	2245	G15
G	2246	D17
	3000	C 2
	3001	D 4
	3002	B 8
	3003	B 8
	3004	C11
	3005	D11
H	3006	H 2
	3007	G 6
	3008	G 7
	3009	E 6
	3010	F 9
	3011	G 9
	3012	G11
	3013	G16
I	3014	F15
	3015	M11
	3016	L10
	3017	I10
	3018	J11
	3019	O10
	3020	L12
J	3021	L12
	3022	I12
	3023	I12
	3024	N14
	3025	K14
	3026	A15
	3027	A14
	3028	C13
K	3029	J 2
	3030	C 4
	3031	D 5
	3032	C 5
	3033	C 6
	3034	C 6
	3035	D 6
	3036	D 1
L	3037	C11
	3049	B15
	3050	B13
	4005	H 2
	4050	B16
	4051	B14
	4100	E 6
M	5000	B 9
	5001	B 9
	5002	H 3
	5003	H 3
	6000	G16
	6005	B11
	6006	G 9
	6050	B14
N	7000	C 7
	7001	C13
	7002	M13
	7003	J13
	7004	K15
	7007	K 7
	7008	D 5
	7009	D 6
O	7050	B15

ECO NICAM



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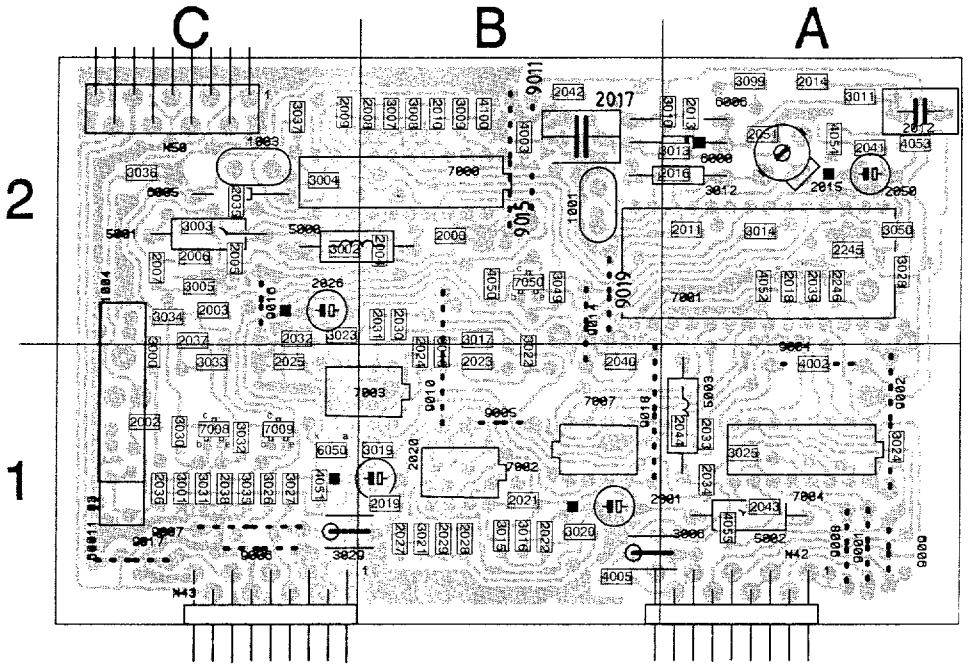
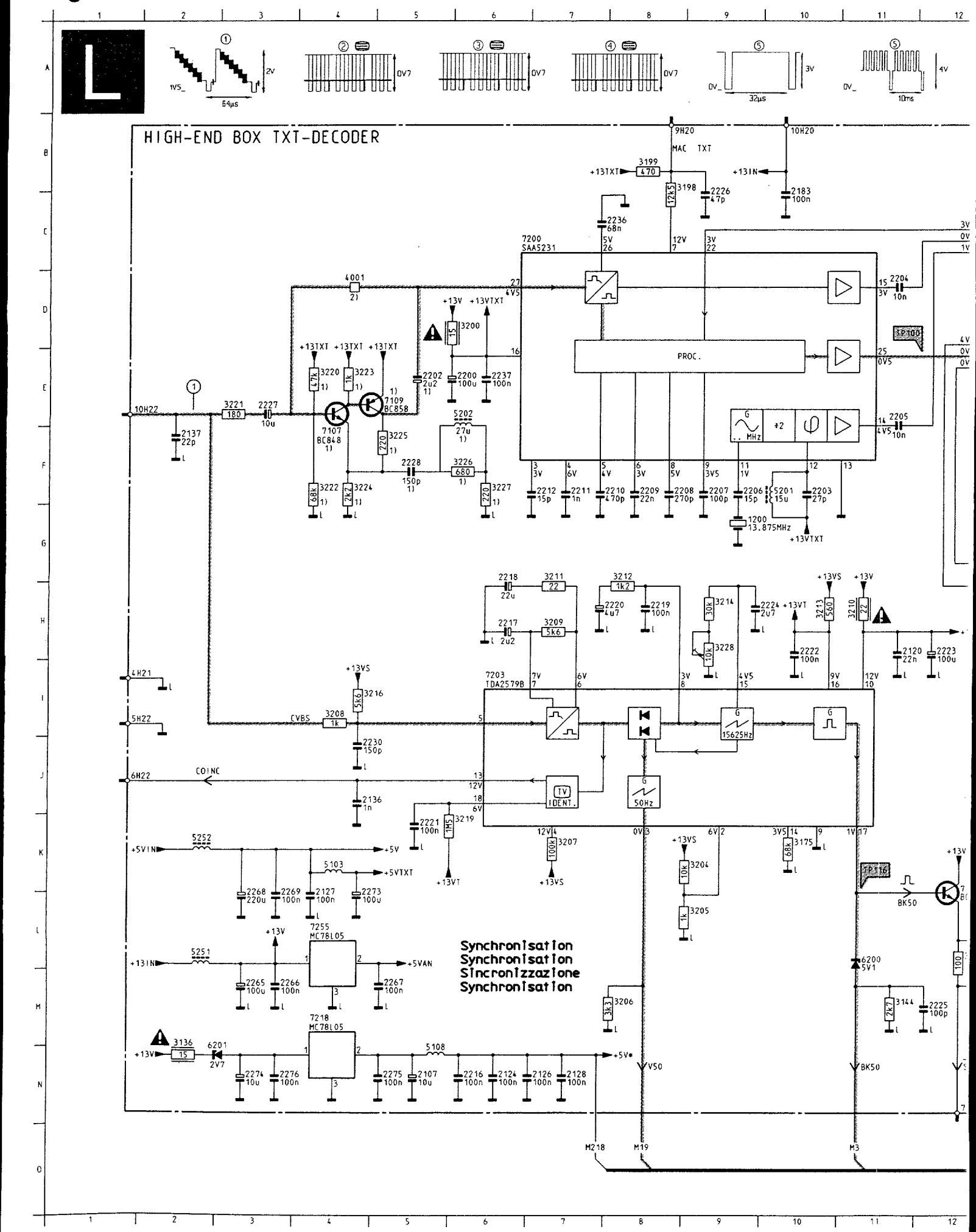
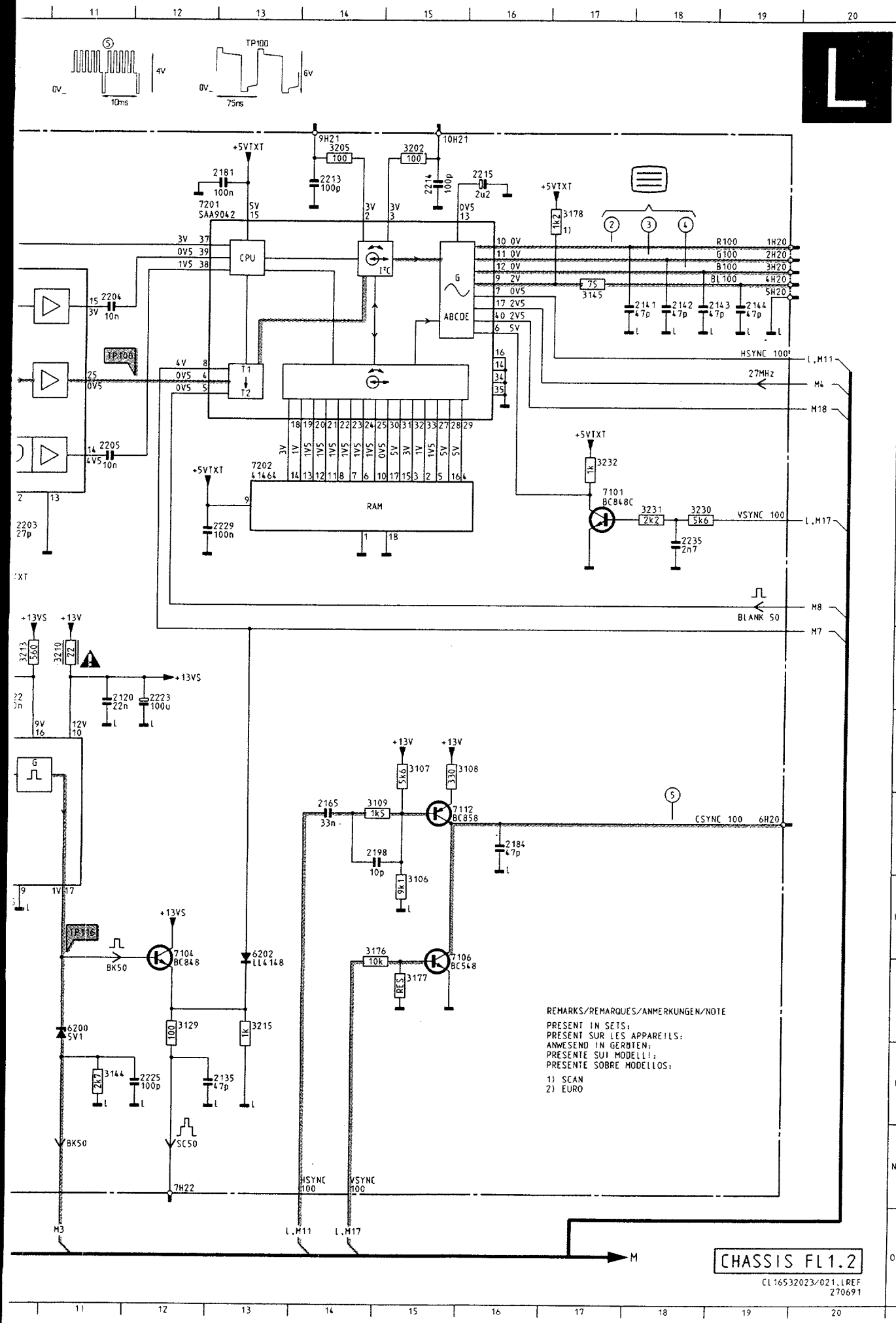
N43 C1	2011 A2	2027 B1	2043 A1	3009 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3015 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	2018 A2	2034 A1	3001 C1	3016 B1	3032 C1	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2036 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	5000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	5001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	5002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	9002 A1	



N42 A1	2010 B2	2026 C2	2042 B2	3009 B2	3024 A1	3099 A2	6000 A2	9004 A1
N43 C1	2011 A2	2027 B1	2043 A1	3009 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3015 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	2018 A2	2034 A1	3001 C1	3016 B1	3032 C1	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2036 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	5000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	5001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	5002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	9002 A1	

High-end box (FL 1.2 AB)





1200	G 9	7107	F
2107	N 5	7109	E
2120	H11	7112	J
2124	N 6	7200	C
2126	N 7	7201	C
2127	L 4	7202	F
2128	N 7	7203	I
2135	M13	7218	M
2136	J 4	7255	L
2137	F 2		
2141	D18		
2142	D18		
2143	D18		
2144	D19		
2165	J14		
2181	B13		
2183	C10		
2184	J16		
2198	J14		
2200	E 6		
2202	E 5		
2203	F10		
2204	D11		
2205	E11		
2206	F 9		
2207	F 9		
2208	F 8		
2209	F 8		
2210	F 7		
2211	F 7		
2212	F 7		
2213	B14		
2214	B15		
2215	B16		
2216	N 6		
2217	H 6		
2218	G 6		
2219	H 8		
2220	H 7		
2221	K 5		
2222	H10		
2223	H12		
2224	H 9		
2225	M12		
2226	C 9		
2227	E 3		
2228	F 5		
2229	F12		
2230	J 4		
2235	G18		
2236	C 7		
2237	E 6		
2265	M 3		
2266	M 3		
2267	M 5		
2268	L 3		
2269	L 3		
2273	L 4		
2274	N 3		
2275	N 5		
2276	N 3		
3106	K15		
3107	I15		
3108	I15		
3109	J14		
3129	L12		
3136	N 2		
3144	M11		
3145	C17		
3175	K10		
3176	K14		
3177	L15		
3178	C17		
3198	B 8		
3199	B 8		
3200	D 6		
3202	B15		
3204	K 9		
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3207	K 7		
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3211	G 7		
3212	G 8		
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3215	L13		
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3219	K 6		
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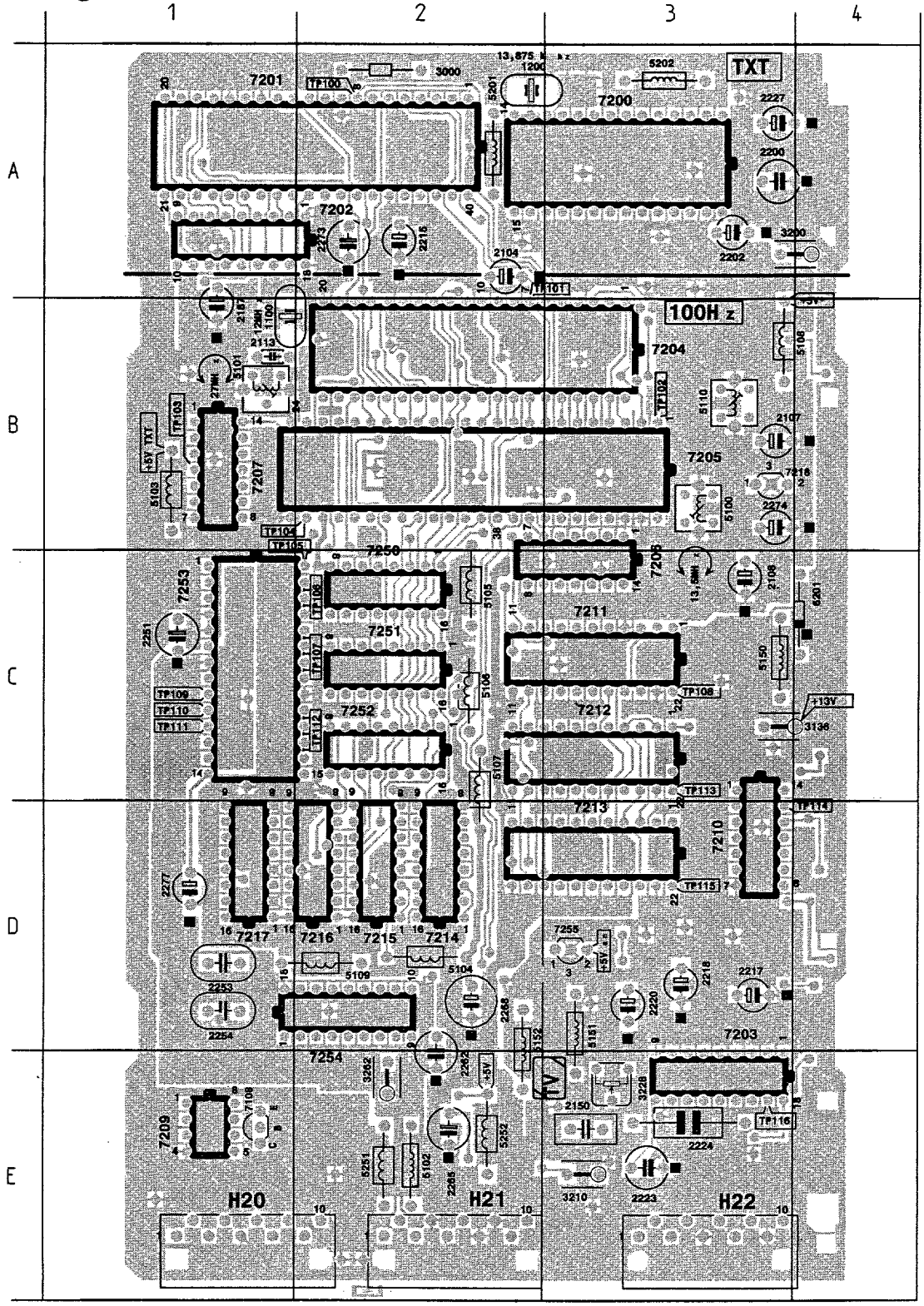
3222	F 4		
3223	E 4		
3224	F 4		
3225	F 5		
3226	F 6		
3227	F 6		
3228	H 9		
3230	F18		
3231	F18		
3232	E17		
4001	D 4		
5103	K 4		
5201	F10		
5202	E 6		
5251	L 2		
5252	K 2		
6200	L11		
6201	N 3		
6202	L13		
7101	F17		
7104	L12		
7106	L15		

High-end box



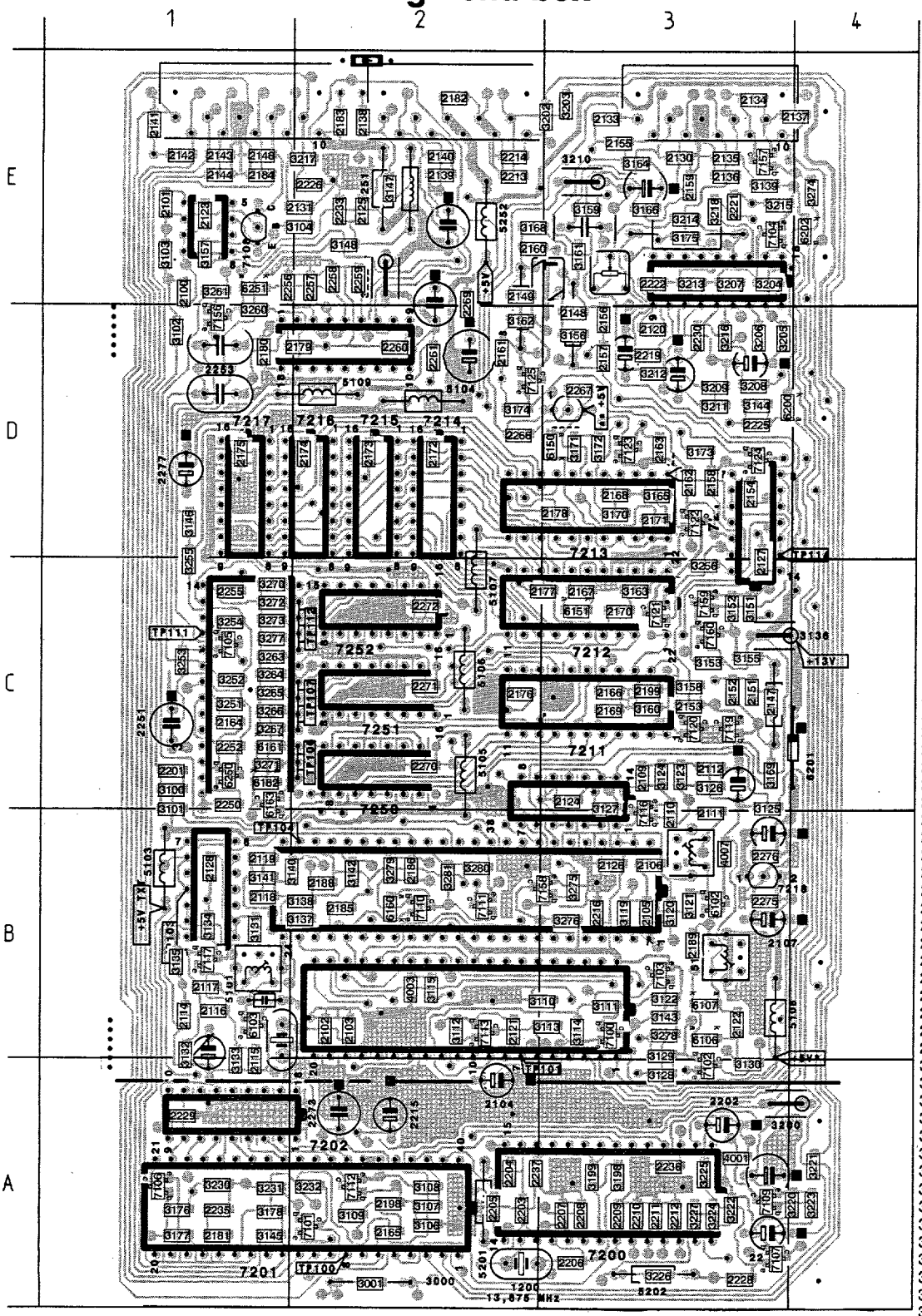
H20 E1
H21 E2
H22 E3
1100 B1
1200 A2
2104 A2
2107 B3
2108 C3
2113 B1
2150 E3
2187 B1
2200 A3
2202 A3
2215 A2
2217 D3
2218 D3
2220 D3
2223 E3
2224 E3
2227 A3
2251 C1
2253 D1
2254 D1
2262 E2
2265 E2
2268 D2
2273 A2
2274 B3
2277 D1
3000 A2
3136 C3
3200 A3
3210 E3
3228 E3
3262 E2
5100 B3
5101 B1
5102 E2
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
5252 E2
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

CENTRAL REPAIR PROCEDURE

HIGH END Box:

36" EUR	4822 212 23815
28" EUR	4822 212 30016
36" SCAN	4822 212 23816
28" SCAN	4822 212 30017

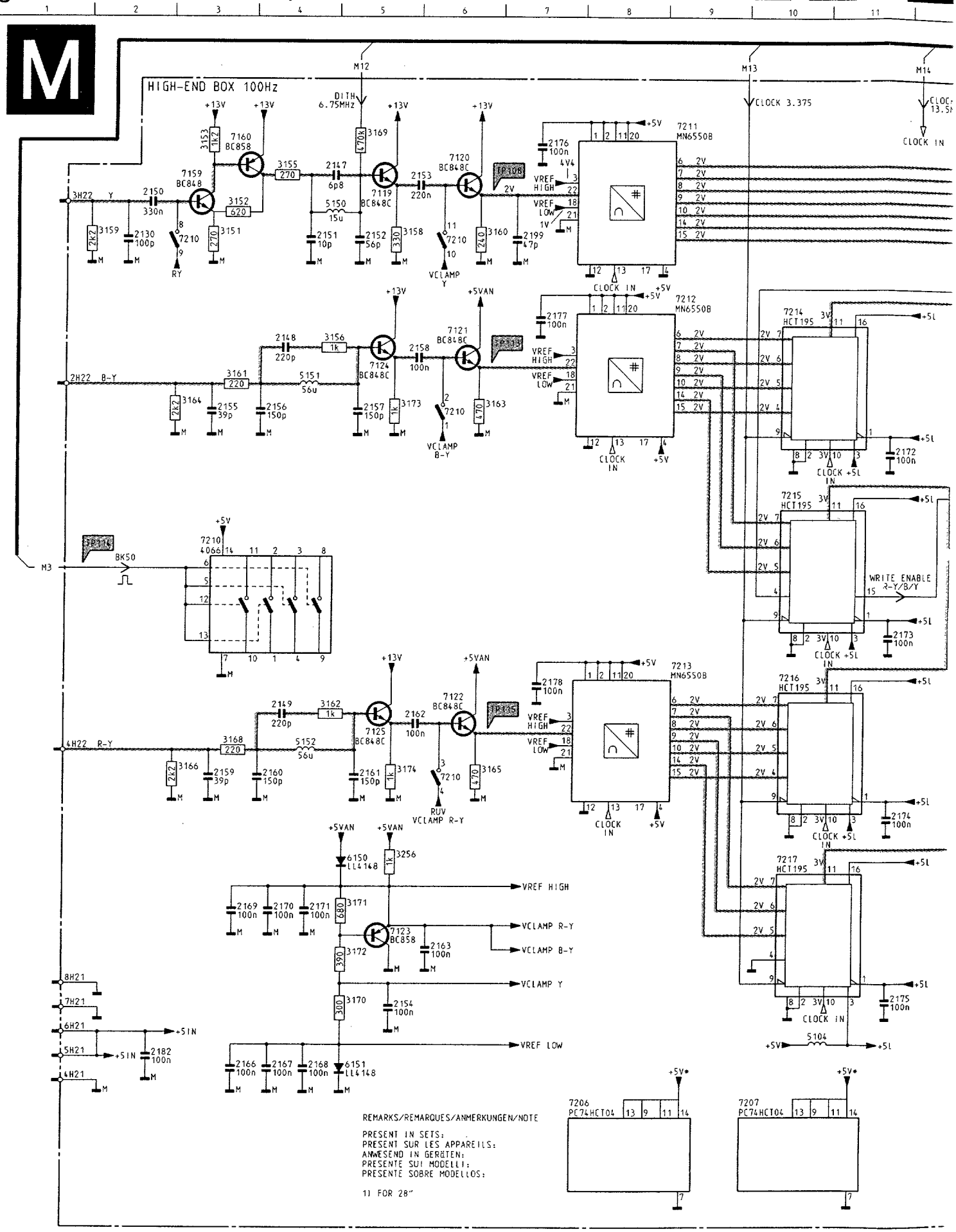
High-end box

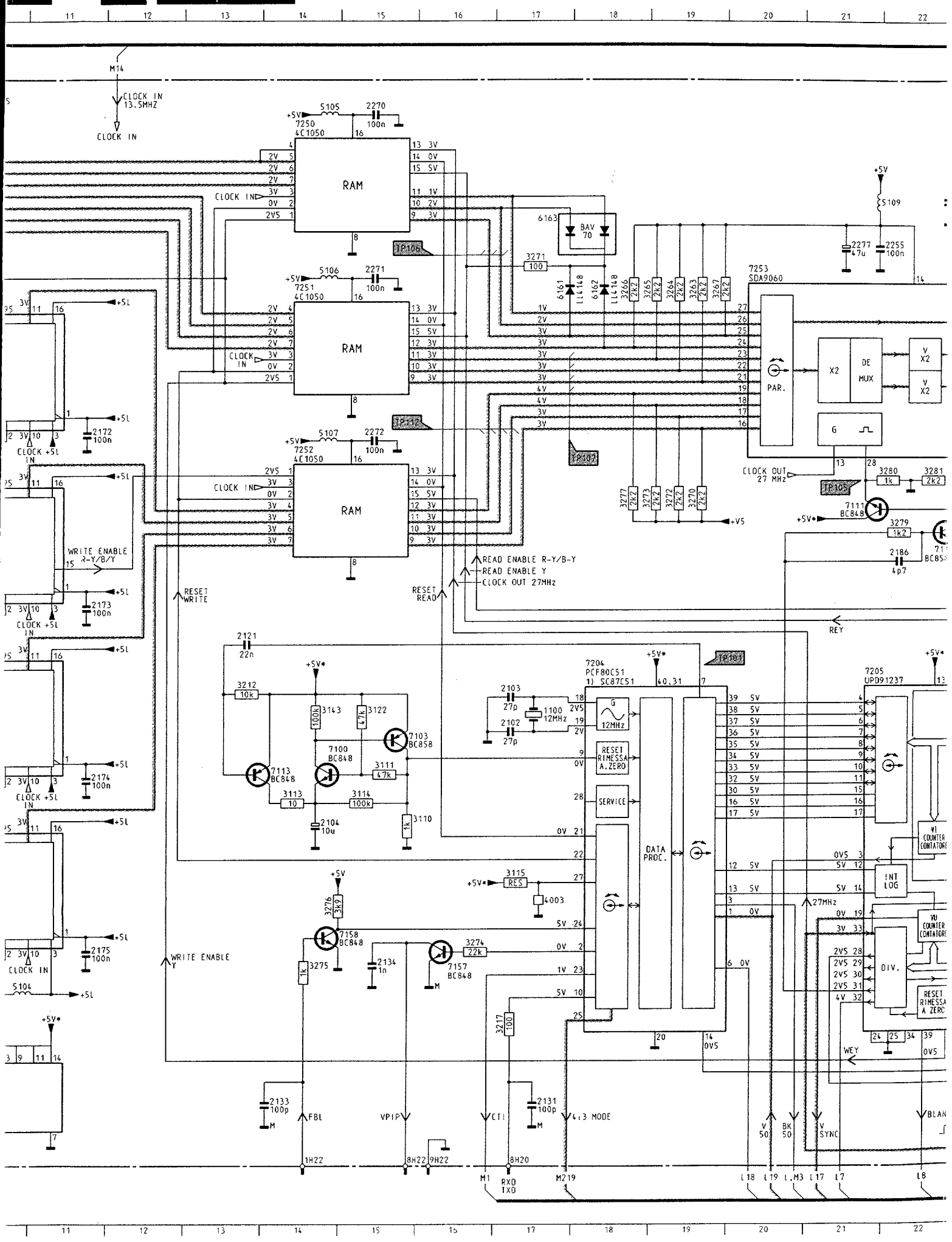


H20 E1	2110 B3	2131 E2	2153 C3	2173 D2
H21 E2	2111 C3	2133 E3	2154 D3	2174 D2
H22 E3	2112 C3	2134 E3	2155 E3	2175 D1
1100 B1	2113 B1	2135 E3	2156 D3	2176 C2
1200 A2	2114 B1	2136 E3	2157 D3	2177 C3
2100 E1	2115 B1	2137 E4	2158 D3	2178 D3
2101 E1	2116 B1	2138 E2	2159 E3	2179 D2
2102 B2	2117 B1	2139 E2	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	

High-end box (FL 1.2 AB)

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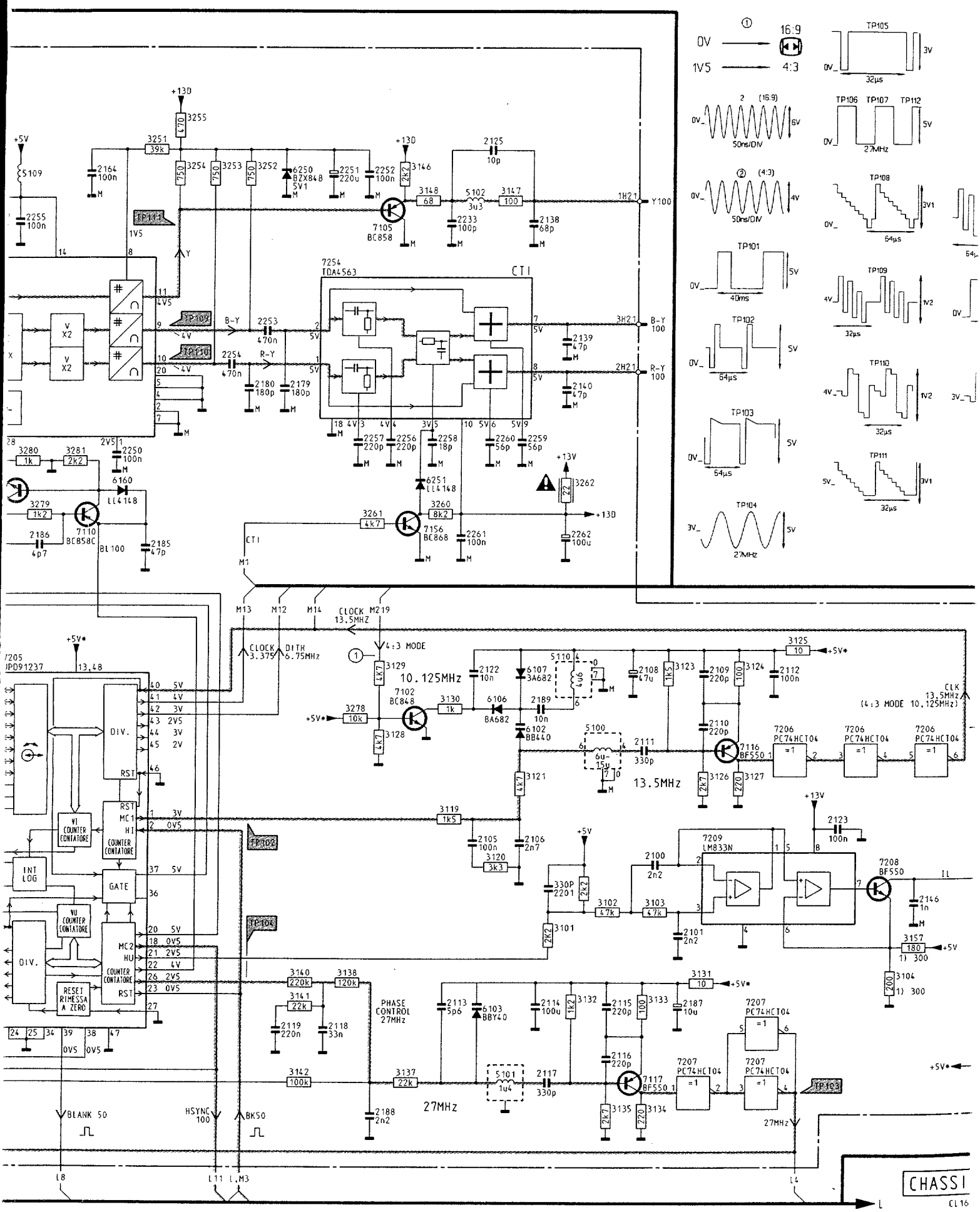
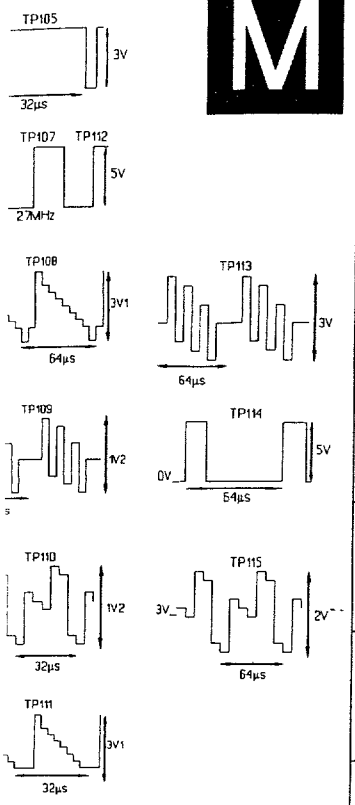
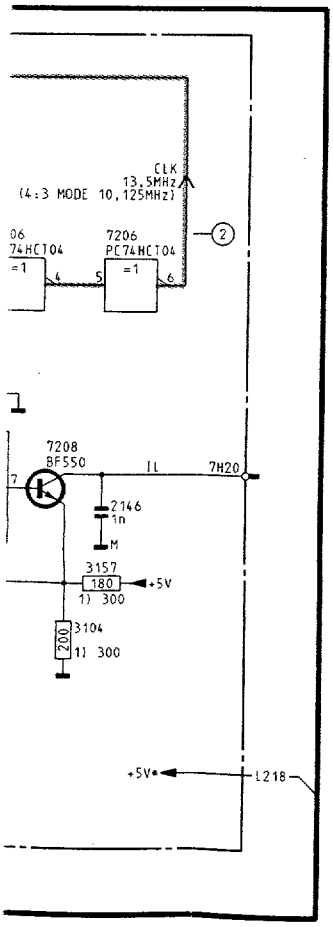
CLOCK IN 13.5MHZ
CLOCK IN
RAM
RAM
RAM
CLOCK IN
READ ENABLE R-Y/B-Y
READ ENABLE Y
CLOCK OUT 27MHz
RESET WRITE
RESET READ
WRITE ENABLE R-Y/B-Y
WRITE ENABLE Y
REY
WEY
PAR.
DE MUX
DATA PROC.
DIV.
INT LOG
SERVICE
RESET RIMESSA A.ZERO
CLOCK OUT 27 MHz
FBL
VPIP
CTI
4:3 MODE
V 50
BK 50
V SYNC
BLAN
RXD
TXD


+13D
+5V
S109
3255
3251
39k
3254
3253
3252
6250
BZX84B
5V1
2164
100n
2255
100n
2251
220u
2252
100n
2125
10p
3146
2k2
3148
68
5102
3u3
3147
100
1H21
Y100
7105
BC858
2233
100p
2138
68p
TP111
1V5
Y
7254
TDA4563
CTI
TP109
TP110
B-Y
R-Y
2253
470n
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
3280
1k
3281
2k2
2250
100n
6160
LL4148
3279
1k2
7110
BC858C
2186
4p7
BL100
2185
47p
+13V
3262
22
3261
4k7
3260
8k2
7156
BC868
2261
100n
2262
100u
M1
M13
M12
M14
CLOCK M219
13,5MHz
CLOCK 3.375
DITH 6.75MHz
4:3 MODE
10.125MHz
7102
BC848
3129
4k7
3128
3130
1k
6106
BA682
6107
3A682
2122
10n
2189
10n
6102
BB440
5110
5100
6u-15u
2111
330p
13.5MHz
2108
47u
3123
1k5
2109
220p
3124
100
2112
100n
2110
220p
3125
10
CLK 13,5MHz (4:3 MODE 10,125MHz)
7206
PC74HCT04
3126
2k7
3127
220
3121
4k7
3119
1k5
2105
100n
2106
2n7
3120
3k3
7205
UPD91237
13,48
DIV.
RST
VI COUNTER CONTATORE
MC1
HI
COUNTER CONTATORE
INT LOG
GATE
VU COUNTER CONTATORE
MC2
HU
RESET RIMESSA A ZERO
TP102
TP104
7209
LM833N
2123
100n
7208
BF550
2146
1n
3157
180
1) 300
3104
200
2100
2n2
2101
2n2
3102
47k
3103
47k
330P
2201
2k2
3101
3140
220k
3138
120k
3141
22k
2119
220n
2118
33n
PHASE CONTROL 27MHz
2113
5p6
6103
BBY40
2114
100u
3132
2115
220p
3133
2187
10u
3131
7207
PC74HCT04
3142
100k
3137
22k
5101
1u4
2117
330p
7117
BF550
2116
220p
3135
2k7
3134
220
2188
2n2
27MHz
BLANK 50
HSYNC 100
BKS0
L8
L11
L,M3
L4
L
CHASSI
CL16
TP105
TP106
TP107
TP112
TP108
TP101
TP109
TP102
TP110
TP103
TP111
TP104
16:9
4:3
0V
1V5
3V
5V
6V
4V
1V2
3V1
32µs
64µs
40ms
50ns/DIV
27MHz

32 | 33 | 34

M



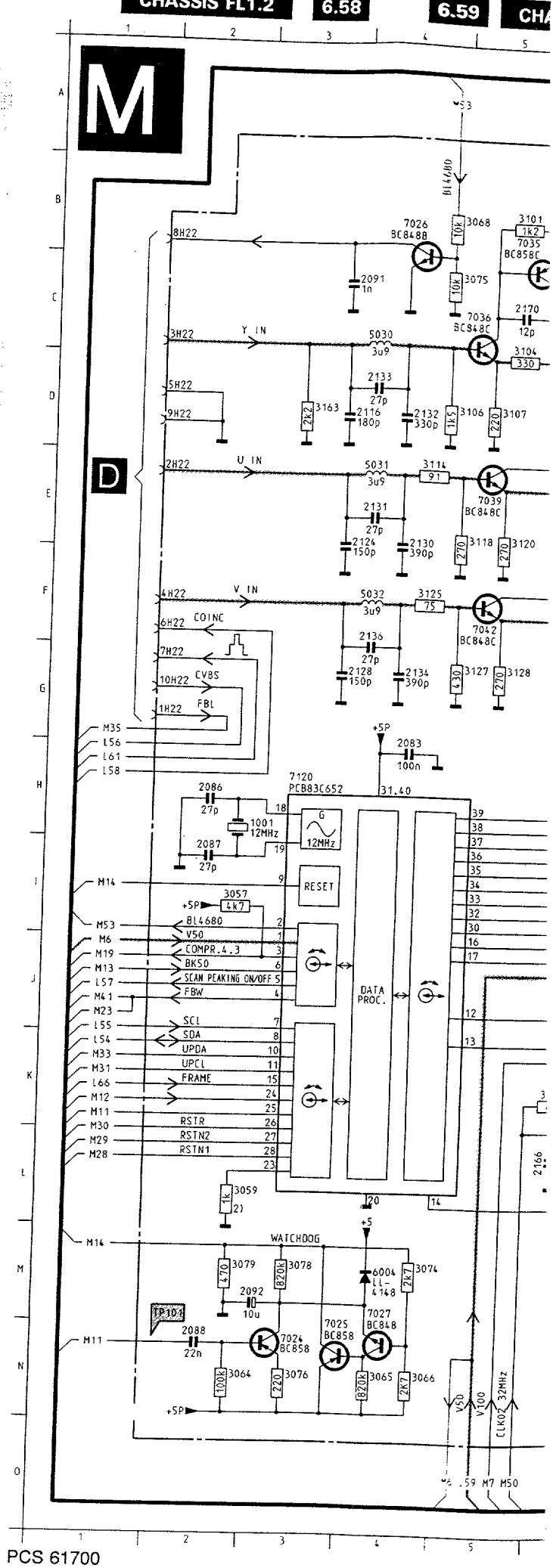


CHASSIS FL1.2

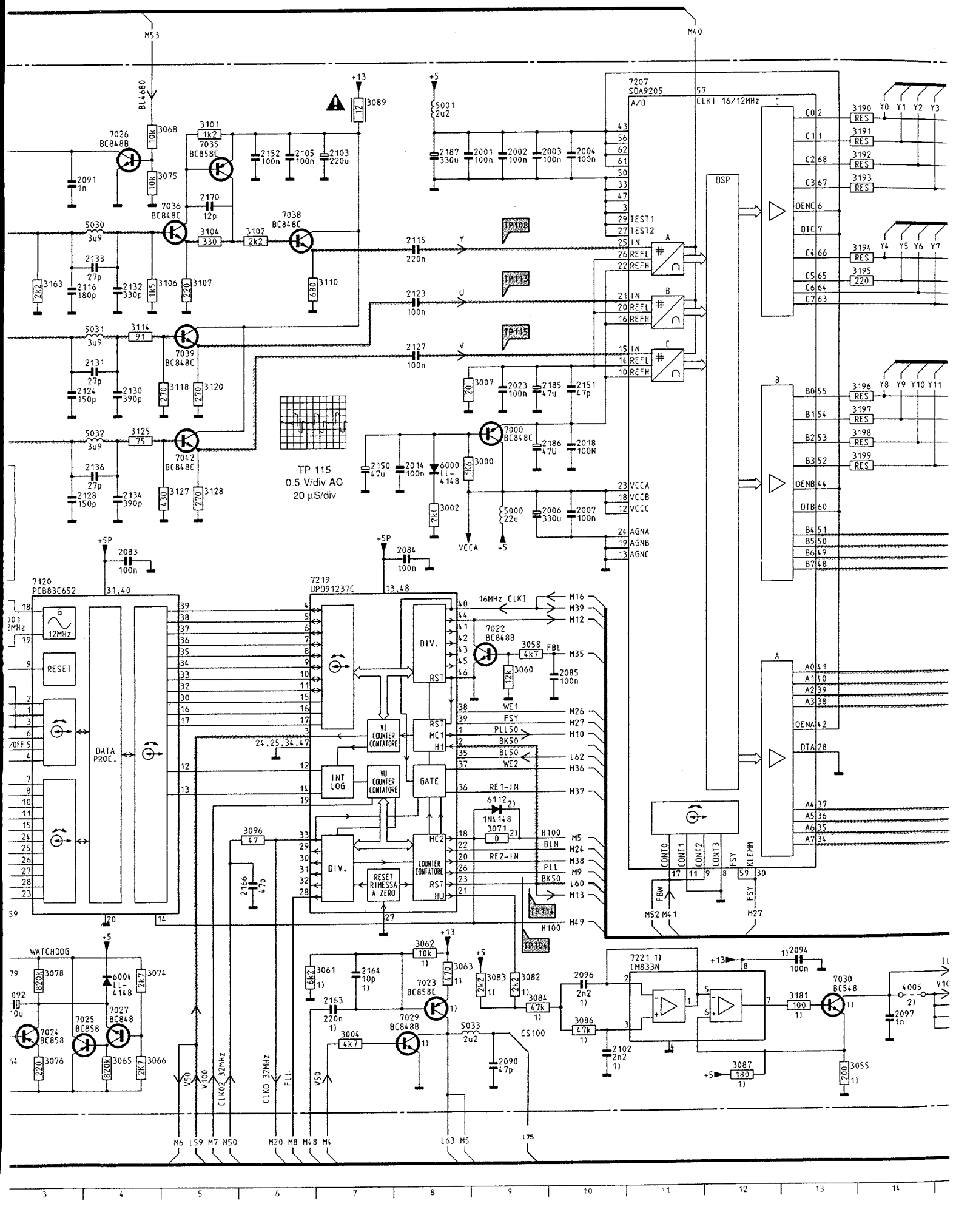
CL16532023/022.MREF
280292

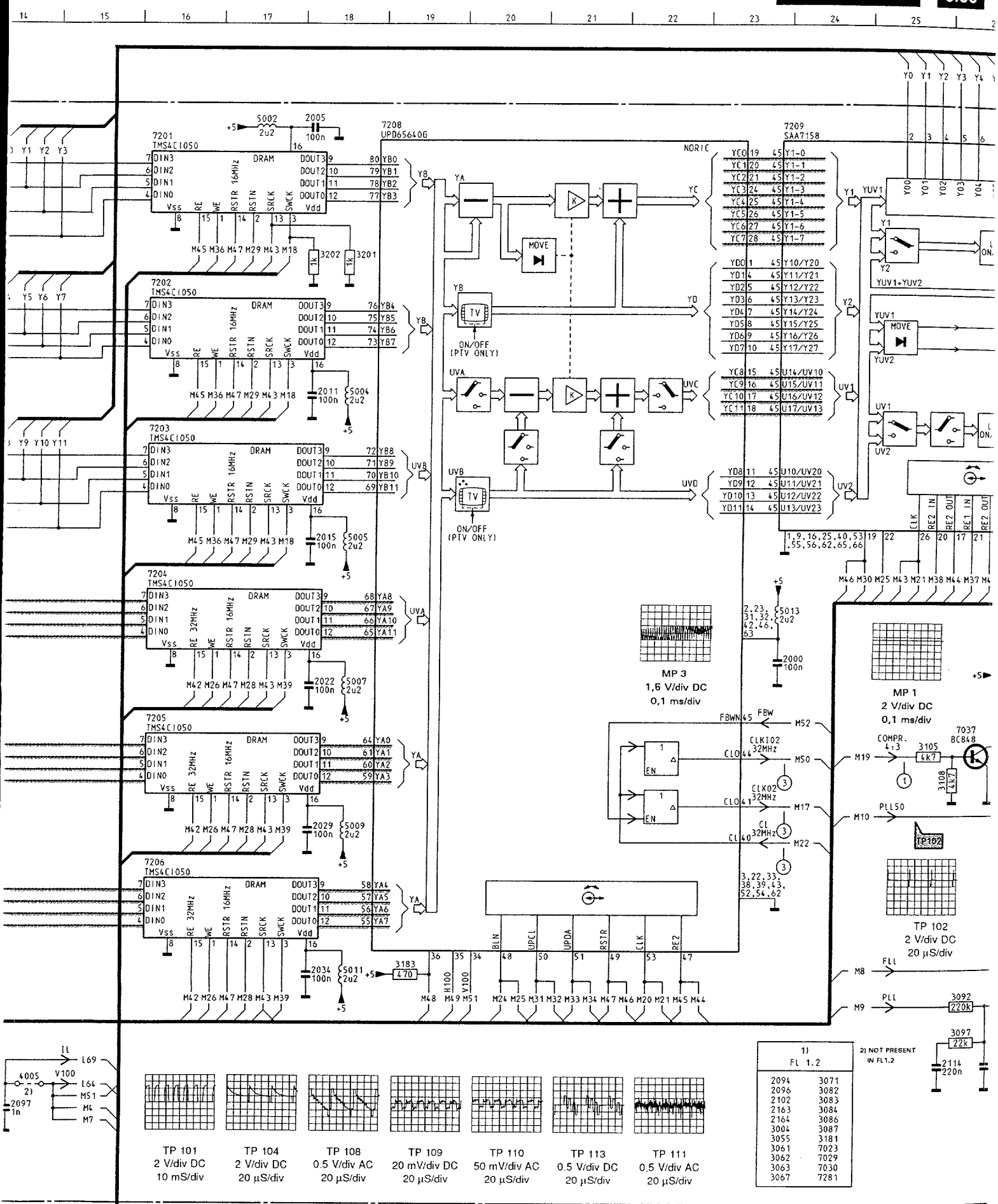
2 | 33 | 34

	1100	I 17	3135	N29	7208	K32
	2100	K29	3137	N26	7209	K30
	2101	L30	3138	M26	7210	C 3
	2102	I 17	3140	M25	7210	C 6
A	2103	I 17	3141	M25	7210	E 6
	2104	K14	3142	N25	7210	I 6
	2105	K27	3143	I 14	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	I 13		
	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		
	2270	A15	7103	I15		
L	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		


M
D
BL4680
8H22
7026 BC848B
3068 10k
3101 1k2
7035 BC858C
2091 1n
3075 10k
2170 12p
7036 BC848C
3H22
Y IN
5030 3u9
3104 330
5H22
9H22
2133 27p
2116 180p
3163 2k2
2132 330p
3106 1k5
3107 220
2H22
U IN
5031 3u9
3114 91
7039 BC848C
2131 27p
2124 150p
2130 390p
3118 270
3120 270
4H22
V IN
5032 3u9
3125 75
7042 BC848C
2136 27p
2128 150p
2134 390p
3127 430
3128 270
6H22
COINC
7H22
10H22
CVBS
1H22
FBL
M35
L56
L61
L58
+5P
2083 100n
7120 PCB83C652
31.40
2086 27p
1001 12MHz
2087 27p
G 12MHz
RESET
M14
3057 4k7
M53
M6
M19
M13
L57
M41
M23
L55
L54
M33
M31
L66
M12
M11
M30
M29
M28
BL4680
V50
COMPR.4.3
BK50
SCAN PEAKING ON/OFF
FBW
SCL
SDA
UPDA
UPCL
FRAME
RSTR
RSTN2
RSTN1
DATA PROC.
3059 1k
WATCHDOG
3079 470
3078 820k
6004 LL-4148
3074 2k7
2092 10u
TP103
2088 22n
7024 BC858
7025 BC858
7027 BC848
3064 100k
3076 220
3065 820k
3066 2K7
V50
V100
CLK02 32MHz
M7
M50

LFR box (FL1.2 BB)

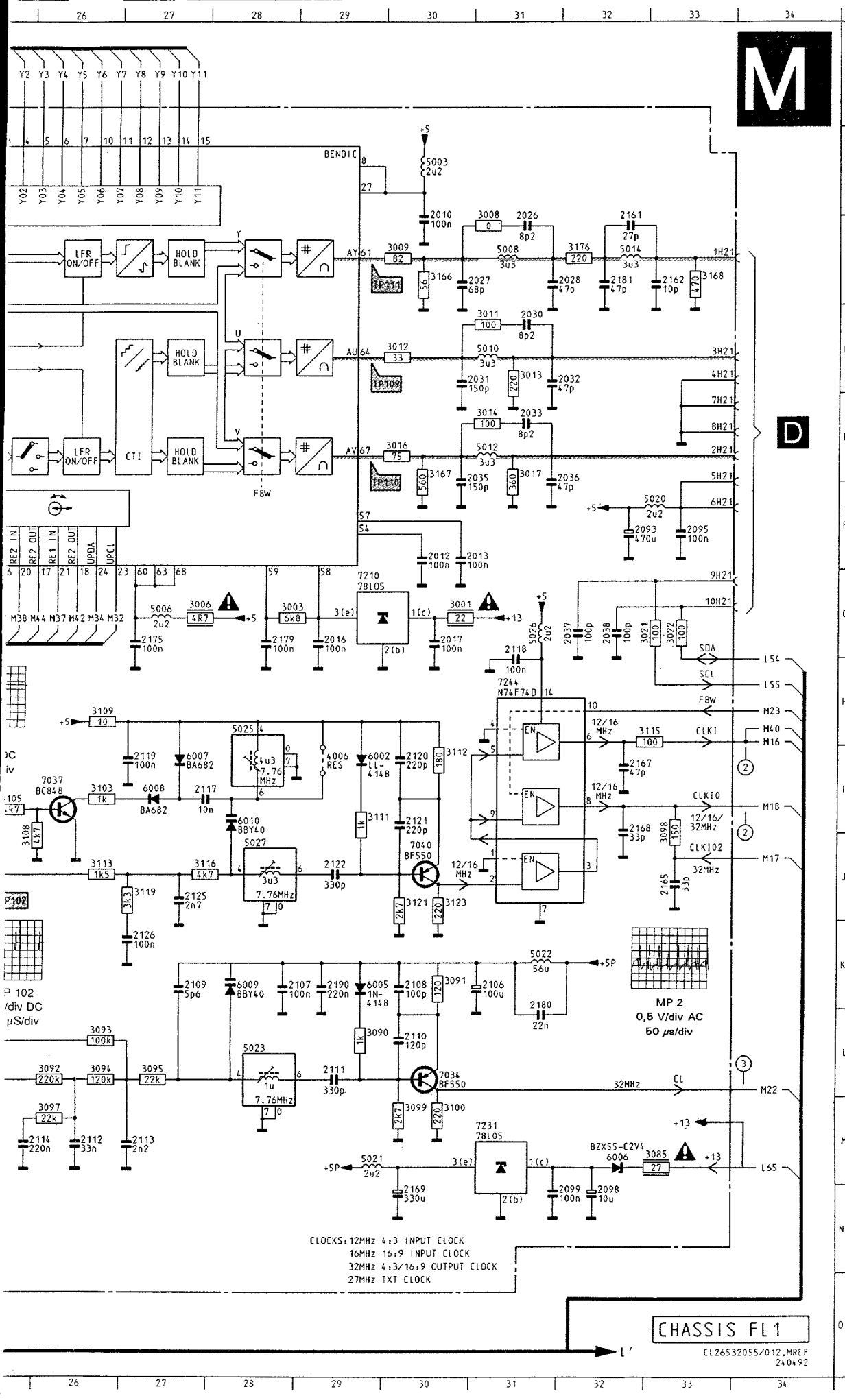




1)

FL 1.2	
2094	3071
2096	3082
2102	3083
2163	3084
2164	3086
3004	3087
3055	3181
3061	7023
3062	7029
3063	7030
3067	7281

2) NOT PRESENT IN FL1.2



	1001	H 2	3021	G33	6010	I28
	2000	H23	3022	G33	6112	K 9
	2001	B 9	3055	N13	7000	F 9
	2002	B 9	3057	I 2	7022	I 9
A	2003	B 9	3058	I 9	7023	M 8
	2004	B10	3059	L 2	7024	N 3
	2005	B18	3060	I 9	7025	N 3
	2006	G 9	3061	M 6	7026	B 4
	2007	G10	3062	M 8	7027	M 4
	2010	C30	3063	M 8	7029	N 8
	2011	E18	3064	N 2	7030	M13
	2012	F30	3065	N 4	7034	L30
B	2013	F30	3066	N 4	7035	B 5
	2014	F 8	3068	B 4	7036	C 5
	2015	G18	3071	K 9	7037	I26
	2016	G29	3074	M 4	7038	C 6
	2017	G30	3075	C 4	7039	E 5
	2018	F10	3076	N 3	7040	J30
	2022	H18	3078	M 3	7042	F 5
	2023	E 9	3079	M 2	7120	H 3
C	2026	C31	3082	M 9	7201	B16
	2027	C30	3083	M 9	7202	D16
	2028	C31	3084	M 9	7203	E16
	2029	J18	3085	M33	7204	G16
	2030	D31	3086	N10	7205	I16
	2031	D30	3087	N12	7206	K16
	2032	D31	3089	B 7	7207	B11
D	2033	E31	3090	L29	7208	B18
	2034	L18	3091	K30	7209	B23
	2035	F30	3092	L26	7210	G29
	2036	F31	3093	L26	7219	H 6
	2037	G32	3094	L26	7221	M11
	2038	G32	3095	L27	7231	M31
	2083	H 4	3096	K 6	7244	H31
	2084	H 8	3097	M26		
E	2085	I10	3098	I33		
	2086	H 2	3099	M30		
	2087	I 2	3100	M30		
	2088	N 2	3101	B 5		
	2090	N 9	3102	C 6		
	2091	C 3	3103	I26		
	2092	M 3	3104	C 5		
F	2093	F32	3105	I25		
	2094	M13	3106	D 4		
	2095	F33	3107	D 5		
	2096	M10	3108	J25		
	2097	N14	3109	H26		
	2098	N32	3110	D 7		
	2099	N32	3111	I29		
	2102	N10	3112	I30		
G	2103	B 7	3113	J26		
	2105	B 6	3114	E 4		
	2106	K31	3115	H33		
	2107	K28	3116	J27		
	2108	K30	3118	E 5		
	2109	K27	3119	J27		
	2110	L30	3120	E 5		
	2111	L29	3121	J30		
H	2112	M26	3123	J30		
	2113	M27	3125	F 4		
	2114	M25	3127	G 5		
	2115	D 8	3128	G 5		
	2116	D 3	3163	D 3		
	2117	I27	3166	C30		
	2118	G31	3167	E30		
I	2119	I27	3168	C33		
	2120	I30	3176	C32		
	2121	I30	3181	M13		
	2122	J29	3183	L19		
	2123	D 8	3190	B14		
	2124	E 3	3191	B14		
	2125	J27	3192	C14		
	2126	K27	3193	C14		
	2127	E 8	3194	D14		
J	2128	G 3	3195	D14		
	2130	E 4	3196	E14		
	2131	E 4	3197	F14		
	2132	D 4	3198	F14		
	2133	D 4	3199	F14		
	2134	G 4	3201	C18		
K	2136	F 4	3202	C18		
	2150	F 7	4005	M14		
	2151	E10	4006	I29		
	2152	B 6	5000	G 9		
	2161	C32	5001	B 8		
	2162	C33	5002	B17		
	2163	M 7	5003	B30		
	2164	M 7	5004	E18		
L	2165	J33	5005	G18		
	2166	L 6	5006	G27		
	2167	I32	5007	H18		
	2169	N30	5008	C31		
	2170	C 5	5009	J18		
	2175	G27	5010	D31		
	2179	G28	5011	L18		
M	2180	K31	5012	E31		
	2181	C32	5013	G23		
	2185	E 9	5014	C32		
	2186	F 9	5020	F33		
	2187	B 8	5021	M29		
	2190	K29	5022	K31		
	3000	F 9	5023	L28		
	3001	G30	5025	H28		
N	3002	G 8	5026	G31		
	3003	G28	5027	J28		
	3004	N 7	5030	C 4		
	3006	G27	5031	E 4		
	3007	E 9	5032	F 4		
	3008	C31	5033	N 8		
	3009	C30	6000	F 8		
	3011	D31	6002	I29		
O	3012	D30	6004	M 4		
	3013	D31	6006	M32		
	3014	E31	6007	I27		
	3016	E30	6008	I27		
	3017	E31	6009	K28		

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. 7.2) set the supply voltage to + 141V ± 0.5V.

1.2 Focusing
This is set with the focus potentiometer (top one on the DAF output 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. 7.1) 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 output transformer) to 150V ± 2V.

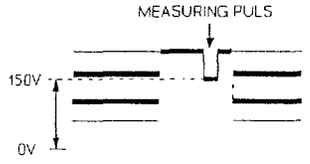


Fig. 7.1

1.4 Stable OSD
Short circuit pin 11 IC7401 to pin 13 IC7401
Short circuit pin 5 IC7755 to earth.
Measure the frequency on pin 16-IC7401 and set this to 15,625 Hz ± 25 Hz with R3434.
Remove the short circuits.

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.

1.11 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.

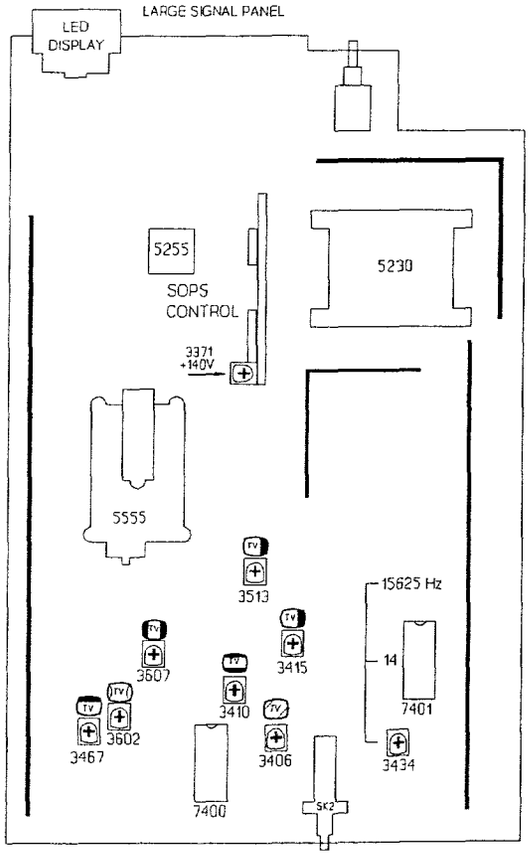


Fig. 7.2

2. E
p

2.1 S
C
s
S
c
C
E
L
a

2.2 4
S
t
a

2.3a E
a-1 C
C
c
4
c
S

a-2 C
C
b
e
h

2.3b E
b-1 C
C
c
4
C
C
S
F

b-2 4
C
E
C
C
S
F

b-3 6
C
E
a
C
C
S
F

R3410.
R3422.

R3602.

r on the
beat the

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.

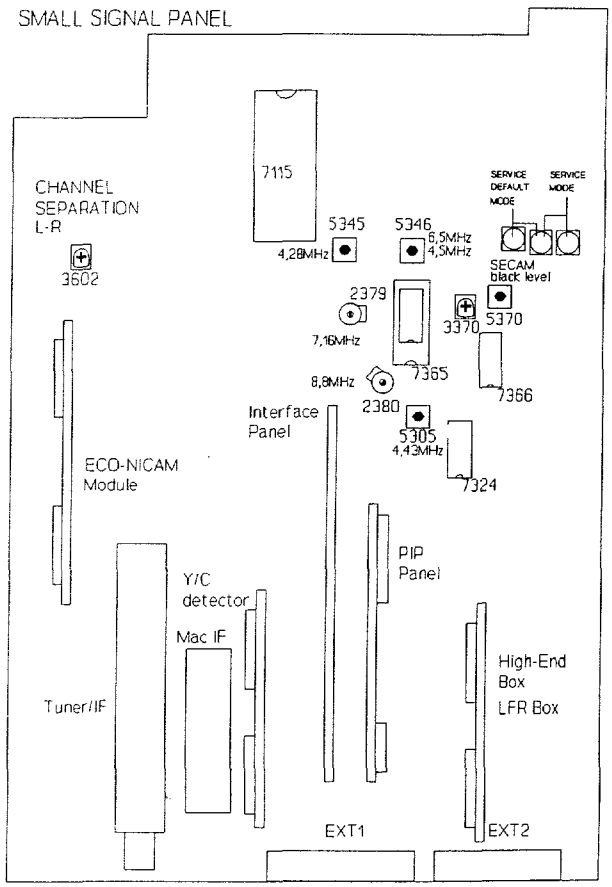


Fig. 7.3

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 Of IC7203 simultaneously with an oscilloscope (fig. 7.4). 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. 7.4). 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).

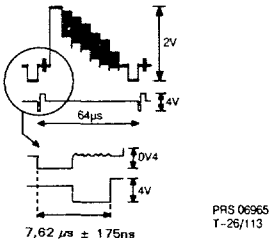


Fig. 7.4

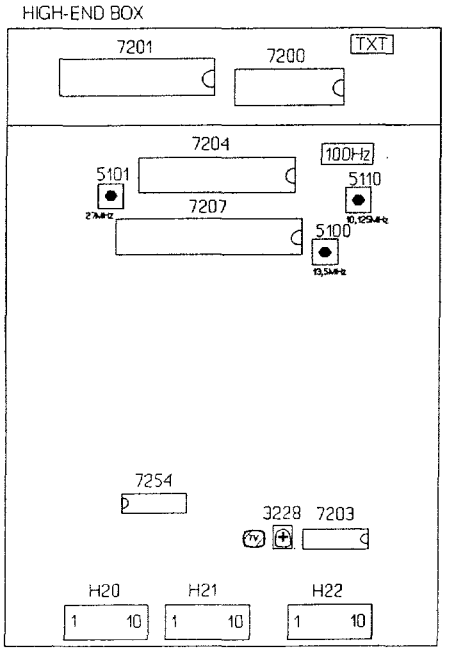


Fig. 7.5

4. Electrical adjustments on the LFR box

4.1 Synchronisation

Connect point 5 of IC7216 to earth. Adjust R3054 until the picture is straight.
Remove the short circuit.

4.2 13.5 MHz oscillator

Apply a PAL/SECAM signal. Measure the signals at point 1 of IC7219 and at point 5 of IC7216 simultaneously with an oscilloscope (fig. 7.4). Adjust coil L5027 so that the positive-going flank of the signal at point 1 of IC7219 comes 7.62 µsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7216).

4.3 32 MHz oscillator

Force the STABLE OSD command to the microprocessor, by disconnecting the set from a possible antenna inputsignal. Measure the frequency at point 41 of IC7208. Using L5023 set the frequency to 32 MHz ± 50 KHz.

4.4 12 MHz oscillator

Switch on compress.
Measure the signals on point 1 of IC7219 and on point 5 of IC7216 simultaneously with an oscilloscope (fig. 7.4). Adjust coil L5025 so that the rising flank of the signal on point 1 of IC7219 comes 7.62 µsec after the negative flank of the sync pulse in the video signal (point 5 of IC7216).

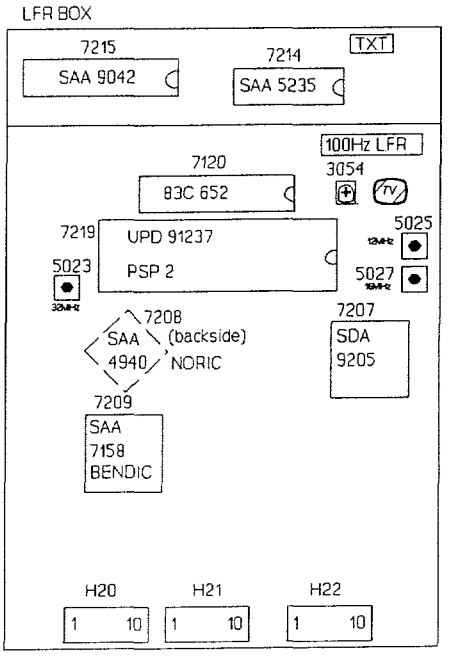


Fig. 7.6

5. Electrical settings on the ECO NICAM decoder panel

ECO NICAM
Neutral frequency adjustment

Connect a frequency counter via a probe (Ci ≤15pF) to pin 19 of IC7001 (SAA 7280) and pin 15 (GND). Adjust C2015 in such a manner that the clock frequency is set at 728.025 kHz. (± 5Hz)

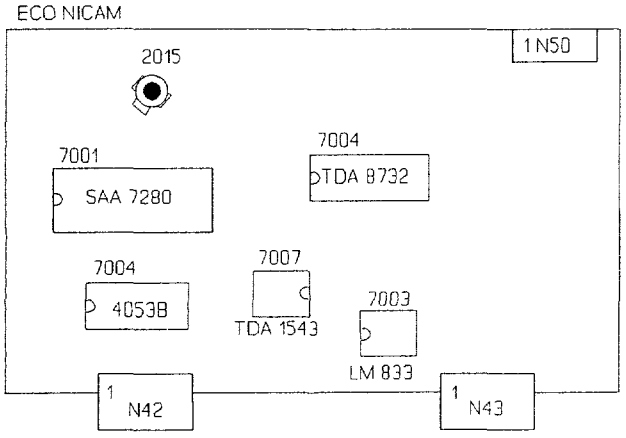


Fig. 7.7

6. Y/C detector adjustment

PAL/SECAM
Inject a chroma signal of 4.418 MHz/200mV on pin 15 of EXT2 SCART (PL05).
Connect an oscilloscope to the collector of T7266 (T7). Using L5201 adjust the 4.418 MHz signal to maximum amplitude.

NTSC
As PAL/SECAM but with a signal of 3.582 MHz/200mV. Adjust with L5200.

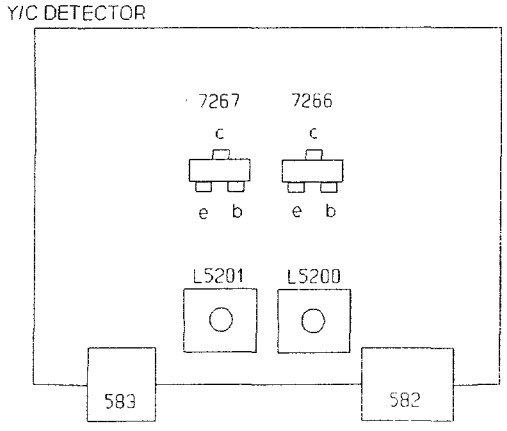


Fig. 7.8

7. 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.).

7.1 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.

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

7.3a 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.

7.3b 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
Conn
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Set C
pract
Remc

b-3 NTSC
Conn
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Set C
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Remc

b-4 The c
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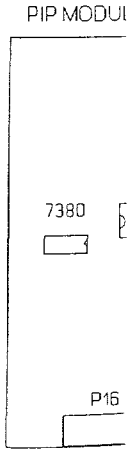


b-2 *PAL chroma auxiliary oscillator*
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

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.

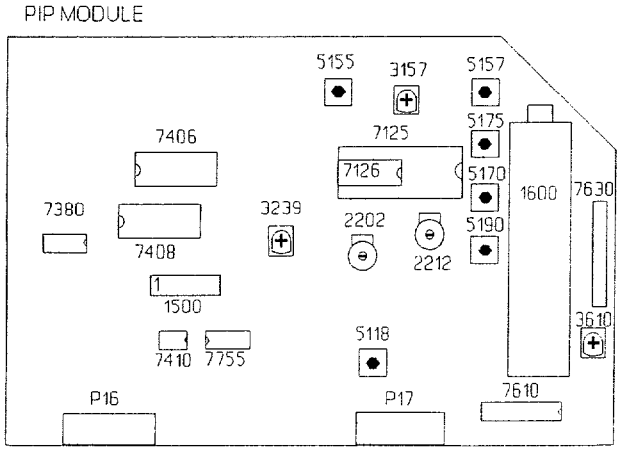


Fig. 7.9

7.4 Adjustment of PLL circuit

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

7.4.1 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.

7.4.2 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. 7.10).

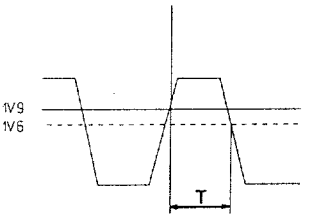


Fig. 7.10

8. 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. The structure of the Service Menu is illustrated in chapter 9. The various adjustments are activated with the aid of the colour- and +/- buttons on the remote control or on the set. 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.

8.1 White balance (white drive)

Connect a pattern generator and choose a white picture.

- Select green, blue or red
- Using P +/- adjust the values of green, blue and red until the desired white balance has been reached.
- Store the selected value by pressing the "PP store" key on the local keyboard.

8.2 D2-MAC adjustments

The SAT box adjustments are given in FL1 SAT box in chapter 7.

8.3 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 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 FQ816/ME/IF	2
A PIP module	8
	--- +
Optioncode 1 now becomes	**10**

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*
IC7175 present on SSP	1
100 Hz high-end box	4
	--- +
Option code 2 now becomes	**5**

The option codes are set as follows:

- Select option 1, 2, 3 or 4 in the Service Menu (option alignment).
- Using the "Menu +/-" or "P +/-" enter the required option number.
- Store the value chosen by pressing the **"PP store"** key on the local keyboard.

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

Optioncode 1	
Nbr.	**Function**
0	**Front end = FQ816/IF** A reception of PAL BG or PAL BG and SECAM BG is now possible.
1	**Front end = FQ844** Only reception of the UHF band is now possible.
2	**Front end = FQ816/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 = FQ816/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 FQ816/ME/IF or FQ816/MF/IF.
32	**SECAM DK module fitted** In this case transmissions using the SECAM DK system can also be received. This module can be placed in place of the ECO NICAM or on the ECO NICAM panel.
64	**NICAM module fitted** In this case the digital sound with NICAM transmission can be received.
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.

Optioncode 2	
Nbr.	Function
1	**IC7175 present on SSP** Applicable in case IC7175 (PCF8574) is present on the SSP (this is the case in all FL1.2 AB/BB sets).
2	**Automatic 1/2 figure mode** The set recognizes a 2-figure program number if two numbers are entered quickly enough in succession on the remote control. This automatic recognition can be switched off via this number.
4	**100 Hz featuring present** This is always the case in chassis FL1.2 (see also number 64).
32	**ECO NICAM module present** In this case the digital sound broadcast in NICAM transmissions can also be received (see further the number 64 of option code 1).
64	**LFR box present** This is always the case in chassis FL1.2 BB (see also number 4).
128	**Teletext Peaking Filter on/off for LFR box (Scandinavia).** In Scandinavia this number must be selected for chassis FL1.2 BB with AG < 20.

Optioncode 3	
Nbr.	Function
1	**FSS reception only via SAT box** This switches the D2-MAC decoder off.
2	**Front-end on SAT box is: SF916** In this case it is possible to tune the SAT box to 2 GHz.
4	**Satellite front-end SF914/SF916 present (SAT MAC reception).** Switching on and off satellite reception via the satellite front-end. On switching off the front-end D2-MAC can only be received via cable-TV (CABLE MAC via MAC IF module).
8	**MAC IF module present (CABLE MAC reception).** This module makes it possible to decode a D2-MAC signal which is received via the cable front-end (FQ816/FQ844). In this case, besides satellite transmitters, MAC transmitters can also be received via the cable.
16	**SECAM "Telecom Audio" reception possible.** This option generates an extra sound channel in the menu on FSS reception. This channel is necessary for the reception of the French "Telecom" satellite. The necessary hardware is present in all sets so that this option may be selected as desired.
32	**Cable-MAC reception only in hyperband** In this case the reception of MAC-transmitters via the cable is limited to the hyperband.
64	**16:9 picture tube present**
128	**"VIDEO-COLOR" 36" picture tube present**

Optioncode 4 (AG ≥ 20)	
Nbr.	Function
1	**Teletext Peaking Filter on/off for LFR box (Scandinavia).** In Scandinavia this number must be selected for chassis FL1.2 BB with AG ≥ 20.

1.

1.1

1.2

1.3

1.4

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.

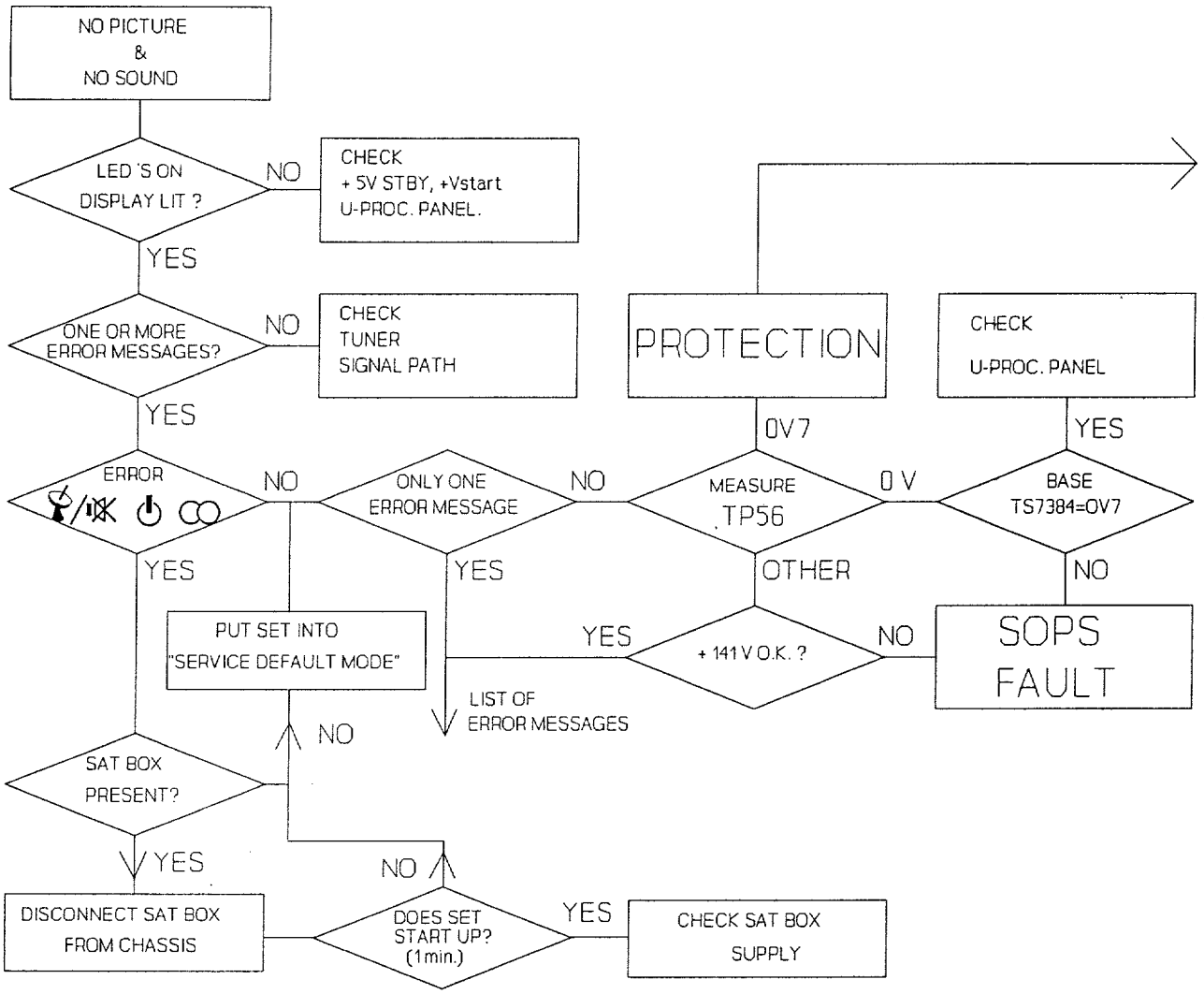
2. Software protection

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

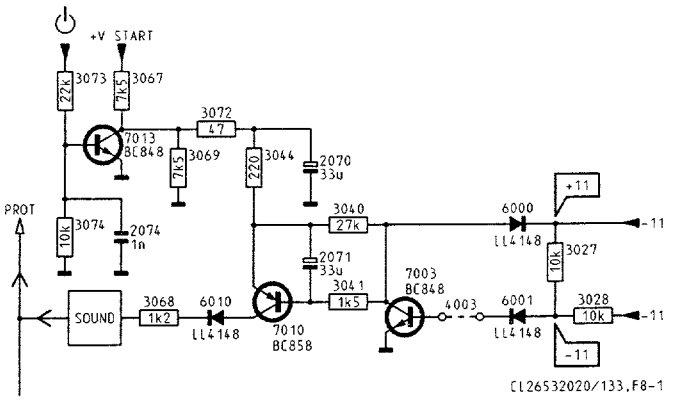
If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.
If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance 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.

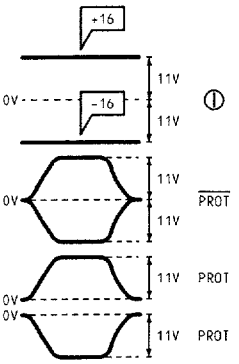
Faultfindingtree



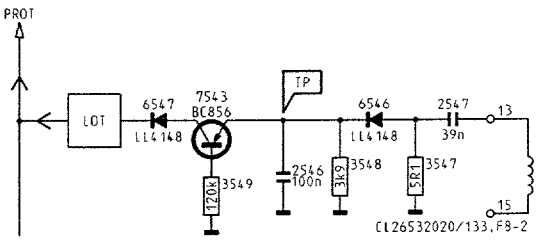
Protection

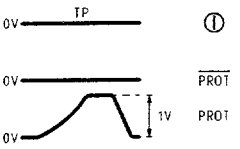
+11 V
-11 V

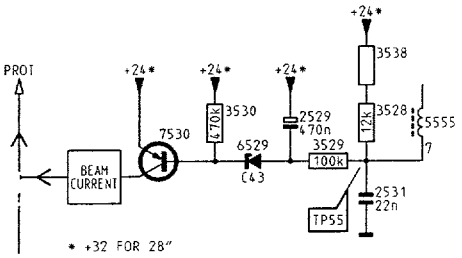


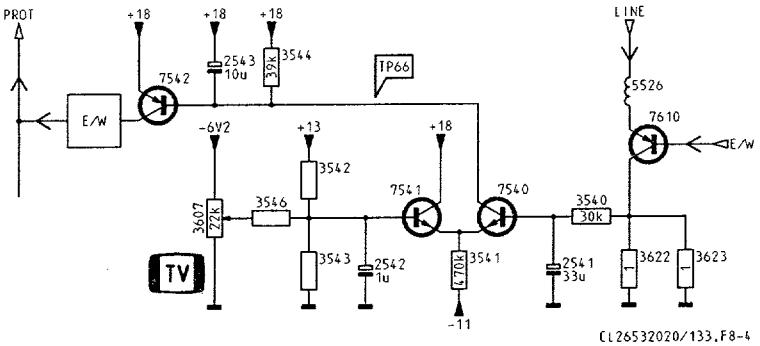


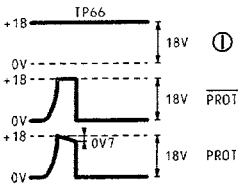
EHT

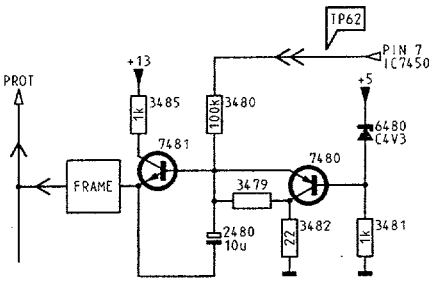


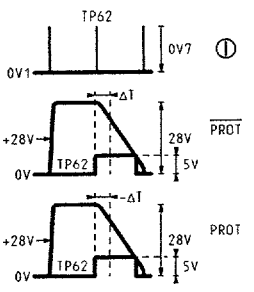




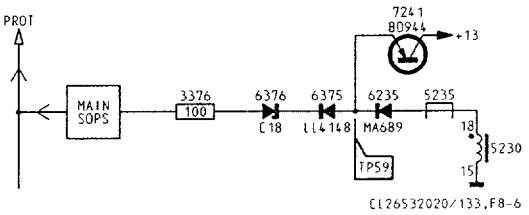


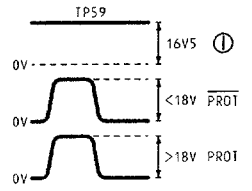






+V





CL26532020/133.FREF
170392

List of

Error number on screen
1 1)
3
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6
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11
12
13
14
15
16 1)
17
18
19 1)
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21
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29
30
31
33
34 1)
35 1)
36 1)
37 1)
38 1)
39 1)
40 1)
41 1)
42 1)
43 1)
44 1)
45 1)
46 1)
47 1)
48 1)
49 1)
51 1)
52 1)
99

1) This error is

In case an e

List of error messages

Error number on screen	Flashing LED							Description of error
	🔇	∞	∞	⏻	⏻	I	II	
1[1]			X		X	X		I²C, IC7108, SSP [H] (MSM6307)
3					X	X		I²C, IC7201, HIGH END BOX, [L] (SAA9042) I²C, IC7215, LFR BOX [L'] (SAA9042)
4				X			X	I²C, IC7220, LFR BOX, [M'] (87C652)
5				X			X	I²C, IC7408, PIP [J] (SDA9088)
6				X	X	X		I²C, IC7600, SSP [F] (TDA8417)
7							X	I²C, IC7680, SSP [F] (TDA8425)
9			X	X		X		I²C, IC7430, SSP [D] (TDA4680)
11				X	X			I²C, front end, SSP [C] (FQ 816)
12						X		I²C, IC7137, SSP [H] (X24C04)
13			X					I²C bus on chassis blocked
14			X	X				I²C, IC7258, SSP [C] (HEF4094)
15			X	X	X			I²C, IC7219, SSP [C] (TEA6414)
16[1]			X			X		I²C, IC7040, SAT Interface [P] (TEA6414)
17			X		X			IR-receiver on SSP [H] blocked (1100)
18				X		X	X	7115, SSP, μ proc. [H]
19[1]			X	X	X	X		UART bus blocked, IC7250, TUNER/CONTROL [Q]
20				X	X	X	X	7115, SSP, μ proc [H]
21				X				EAROM X24C04 empty, IC7137, SSP [H] (§ 8.3)
28		X						I²C, PIP tuner [J]
29		X						I²C, IC7638, PIP modulo [J] (SAA1300)
30			X		X		X	I²C, IC7175, SSP [C] (PCF8574)
31			X		X	X	X	I²C, IC7001, NICAM-panel [K] (SAA7280)
33		X						I²C, PLL (1500), PIP modulo [L]
34[1]	X		X				X	LNC supply on SAT box [Q,R] not correct.
35[1]	X		X		X		X	IM-bus on SAT box [Q,S] blocked.
36[1]	X		X	X			X	I²C bus on SAT box blocked.
37[1]	X		X	X	X		X	D2-MAC [S]
38[1]	X		X			X	X	I²C, SAT Tuner [Q] (SF914; SF916)
39[1]	X		X		X	X	X	HEF STROBE 1, IC7925, FSS [T] (HEF4094)
40[1]	X		X	X		X	X	D2-MAC [S]
41[1]	X		X	X	X	X	X	D2-MAC [S]
42[1]	X				X		X	IC7250, TUNER/CONTROL [Q]
43[1]	X			X			X	IC7250, TUNER/CONTROL [Q]
44[1]	X			X	X		X	SAT Tuner [Q] (SF 914/916)
45[1]	X					X	X	IC7250, TUNER/CONTROL [Q]
46[1]	X				X	X	X	IC7250, TUNER/CONTROL [Q]
47[1]	X			X		X	X	IC7262, TUNER/CONTROL [Q]
48[1]	X			X	X	X	X	D2-MAC [S]
49[1]	X			X		X		EAROM X24C02 empty, 7450, D2-MAC [S] (§17)
51[1]					X	X	X	IC7250, TUNER/CONTROL [Q]
52[1]			X				X	D2B bus EXT, SSP [H] blocked.
99	X		X		X			Protection

[1] This error is only possible on sets with built in SAT box.

In case an error indication on the set is not included in this table, then check the error codes (see § 7.8).

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).

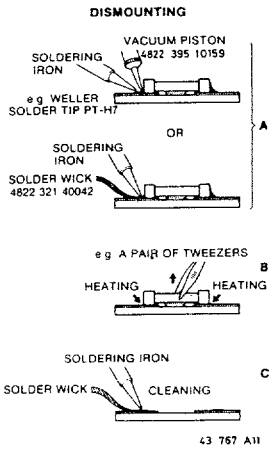


Fig. 8.1

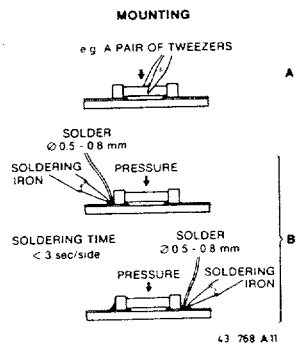


Fig. 8.2

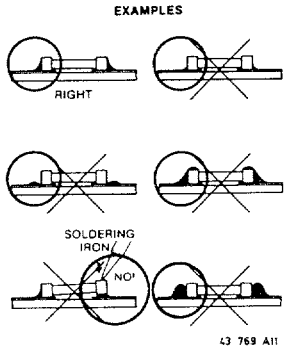
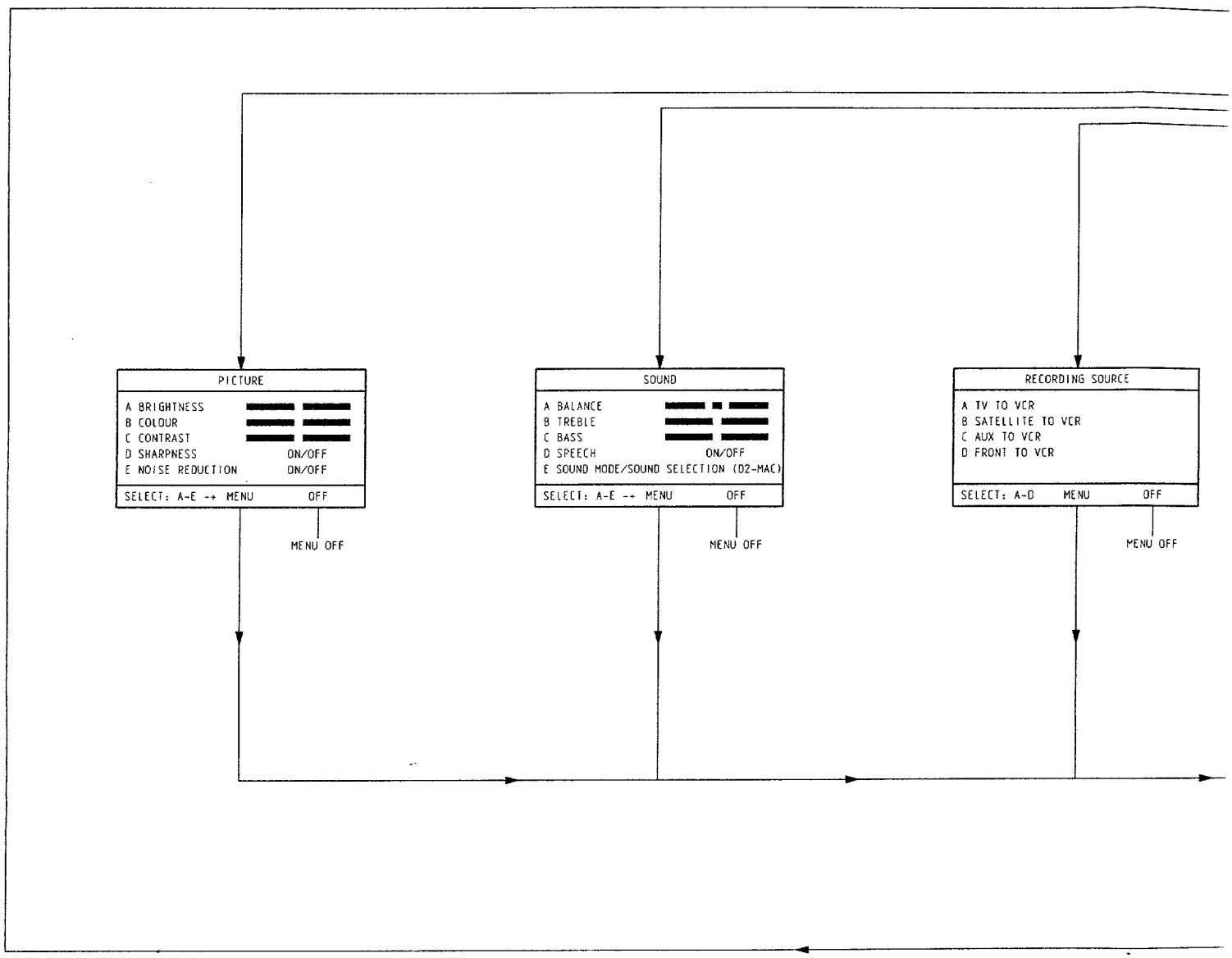
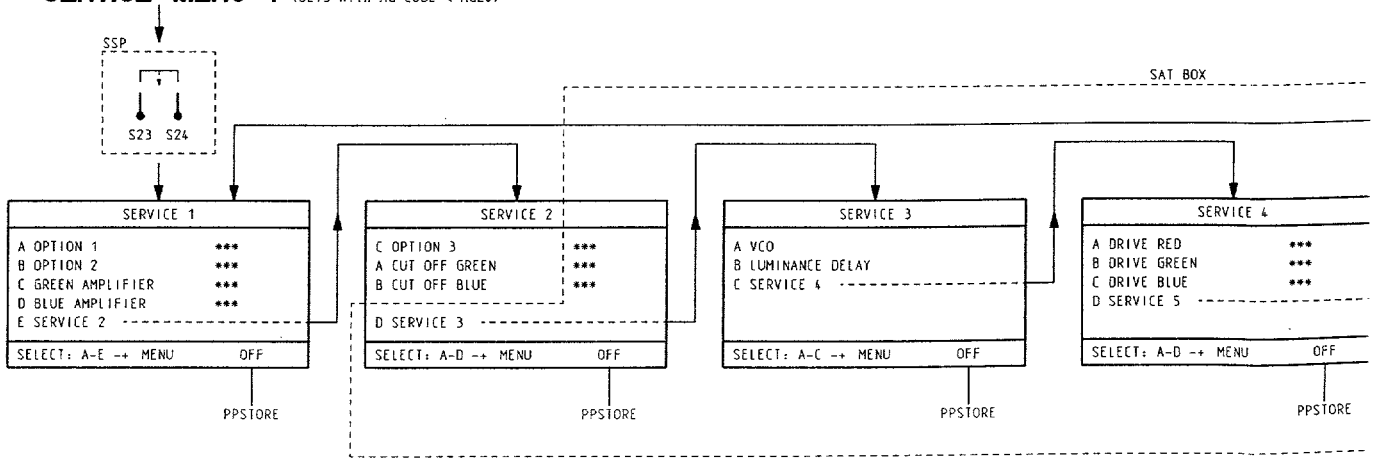


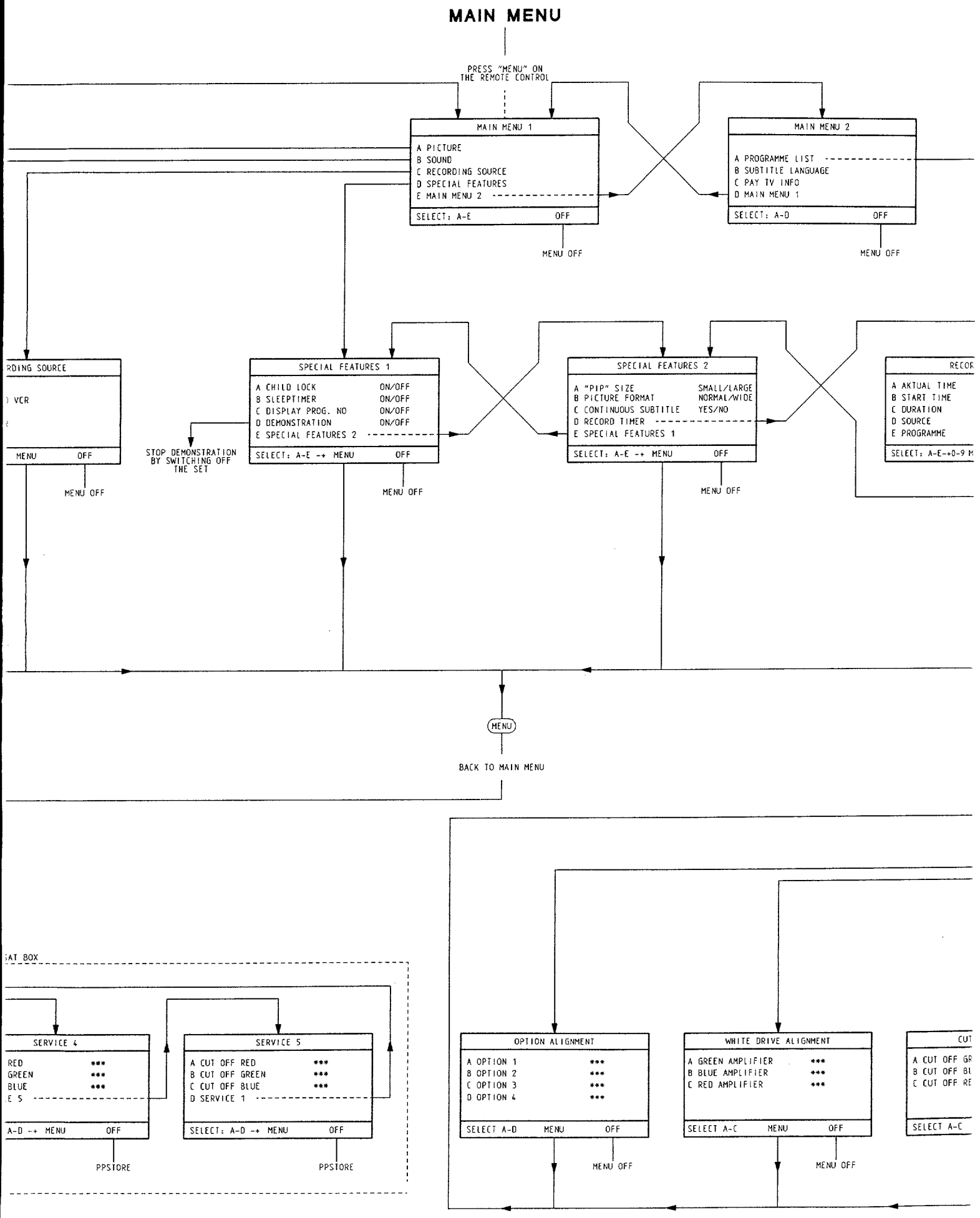
Fig. 8.3

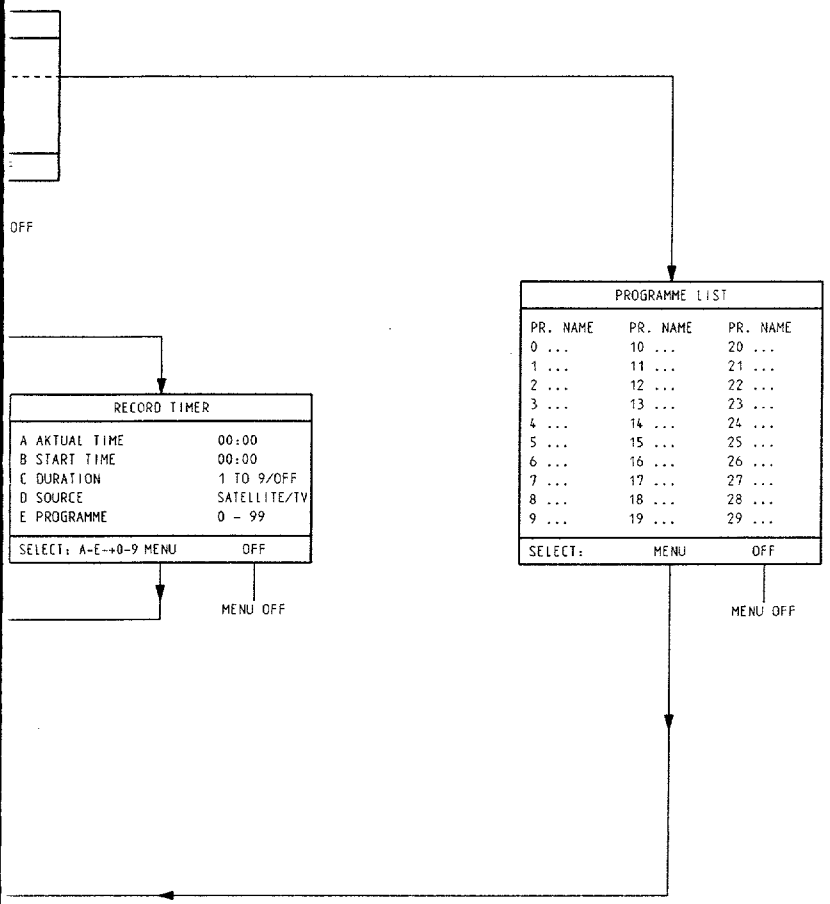
Survey of menus



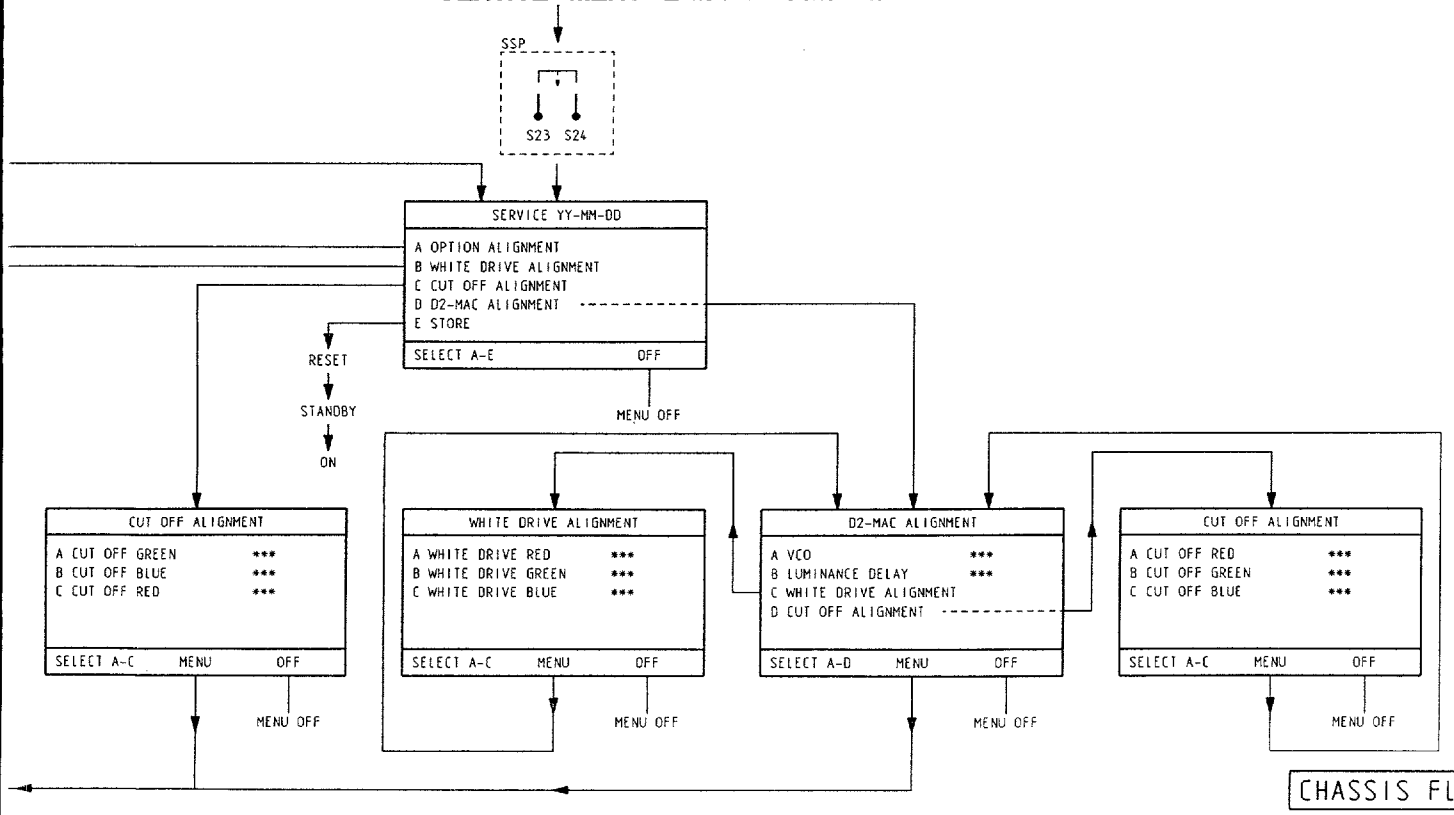
SERVICE MENU 1 (SETS WITH AG CODE < AG20)



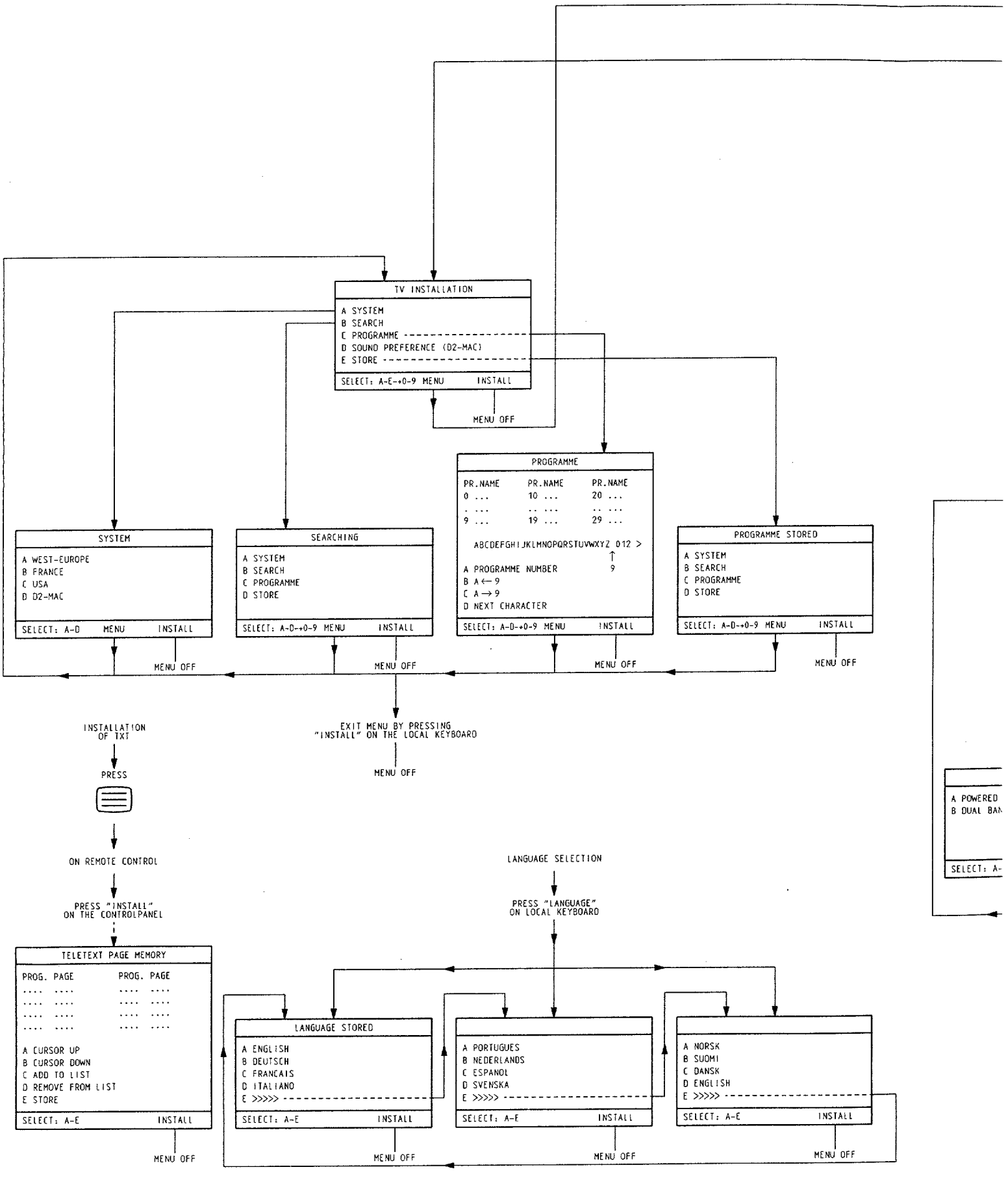

MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU 1
A PICTURE
B SOUND
C RECORDING SOURCE
D SPECIAL FEATURES
E MAIN MENU 2
SELECT: A-E
OFF
MENU OFF
MAIN MENU 2
A PROGRAMME LIST
B SUBTITLE LANGUAGE
C PAY TV INFO
D MAIN MENU 1
SELECT: A-D
OFF
MENU OFF
RDING SOURCE
) VCR
MENU
OFF
MENU OFF
STOP DEMONSTRATION BY SWITCHING OFF THE SET
SPECIAL FEATURES 1
A CHILD LOCK ON/OFF
B SLEEPTIMER ON/OFF
C DISPLAY PROG. NO ON/OFF
D DEMONSTRATION ON/OFF
E SPECIAL FEATURES 2
SELECT: A-E -+ MENU
OFF
MENU OFF
SPECIAL FEATURES 2
A "PIP" SIZE SMALL/LARGE
B PICTURE FORMAT NORMAL/WIDE
C CONTINUOUS SUBTITLE YES/NO
D RECORD TIMER
E SPECIAL FEATURES 1
SELECT: A-E -+ MENU
OFF
MENU OFF
RECOR
A AKTUAL TIME
B START TIME
C DURATION
D SOURCE
E PROGRAMME
SELECT: A-E-+0-9 M
MENU
BACK TO MAIN MENU
SAT BOX
SERVICE 4
RED ***
GREEN ***
BLUE ***
E S
A-D -+ MENU
OFF
PPSTORE
SERVICE 5
A CUT OFF RED ***
B CUT OFF GREEN ***
C CUT OFF BLUE ***
D SERVICE 1
SELECT: A-D -+ MENU
OFF
PPSTORE
OPTION ALIGNMENT
A OPTION 1 ***
B OPTION 2 ***
C OPTION 3 ***
D OPTION 4 ***
SELECT A-D
MENU
OFF
MENU OFF
WHITE DRIVE ALIGNMENT
A GREEN AMPLIFIER ***
B BLUE AMPLIFIER ***
C RED AMPLIFIER ***
SELECT A-C
MENU
OFF
MENU OFF
CUT
A CUT OFF GR
B CUT OFF BL
C CUT OFF RE
SELECT A-C



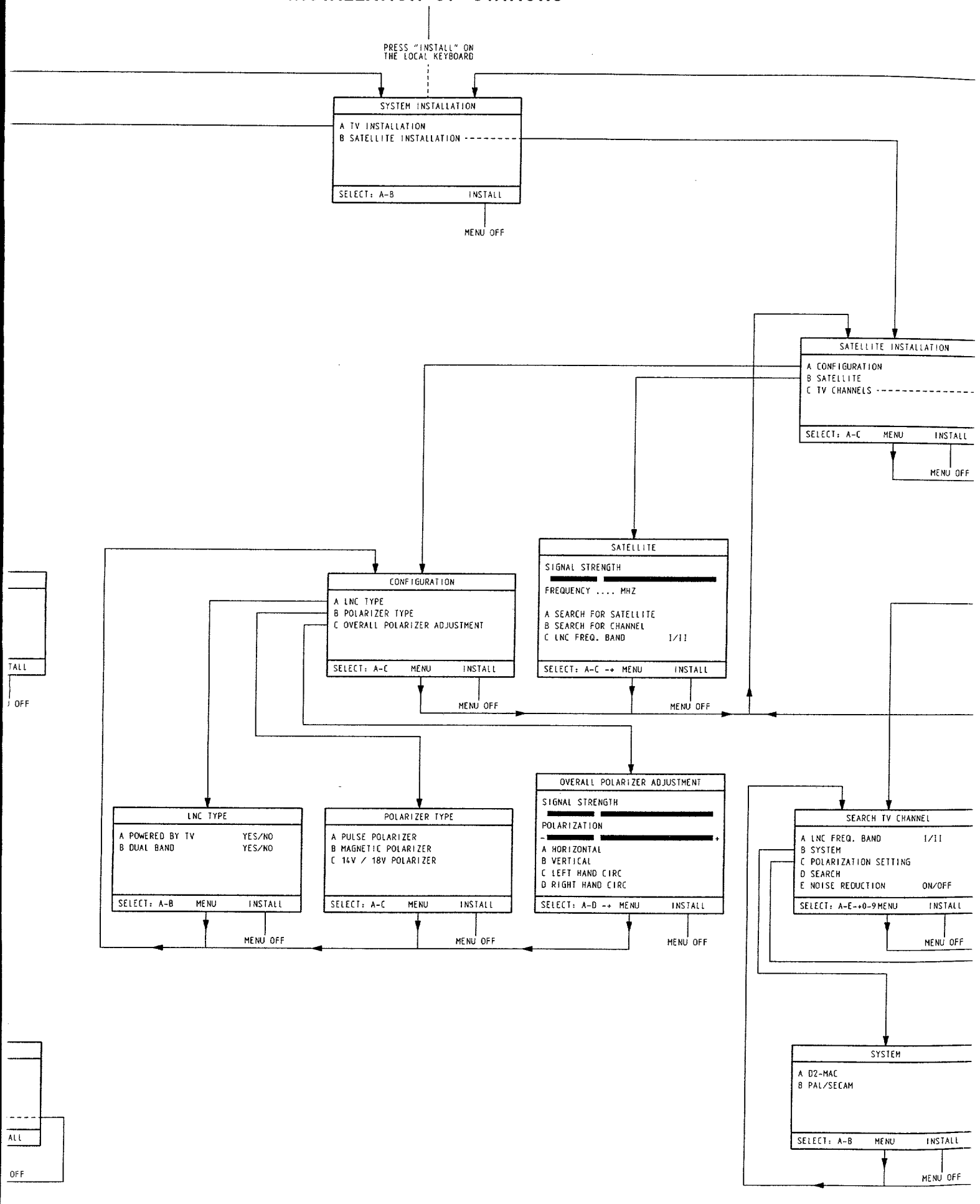
SERVICE MENU 2 (SETS WITH AG CODE ≥ AG20)

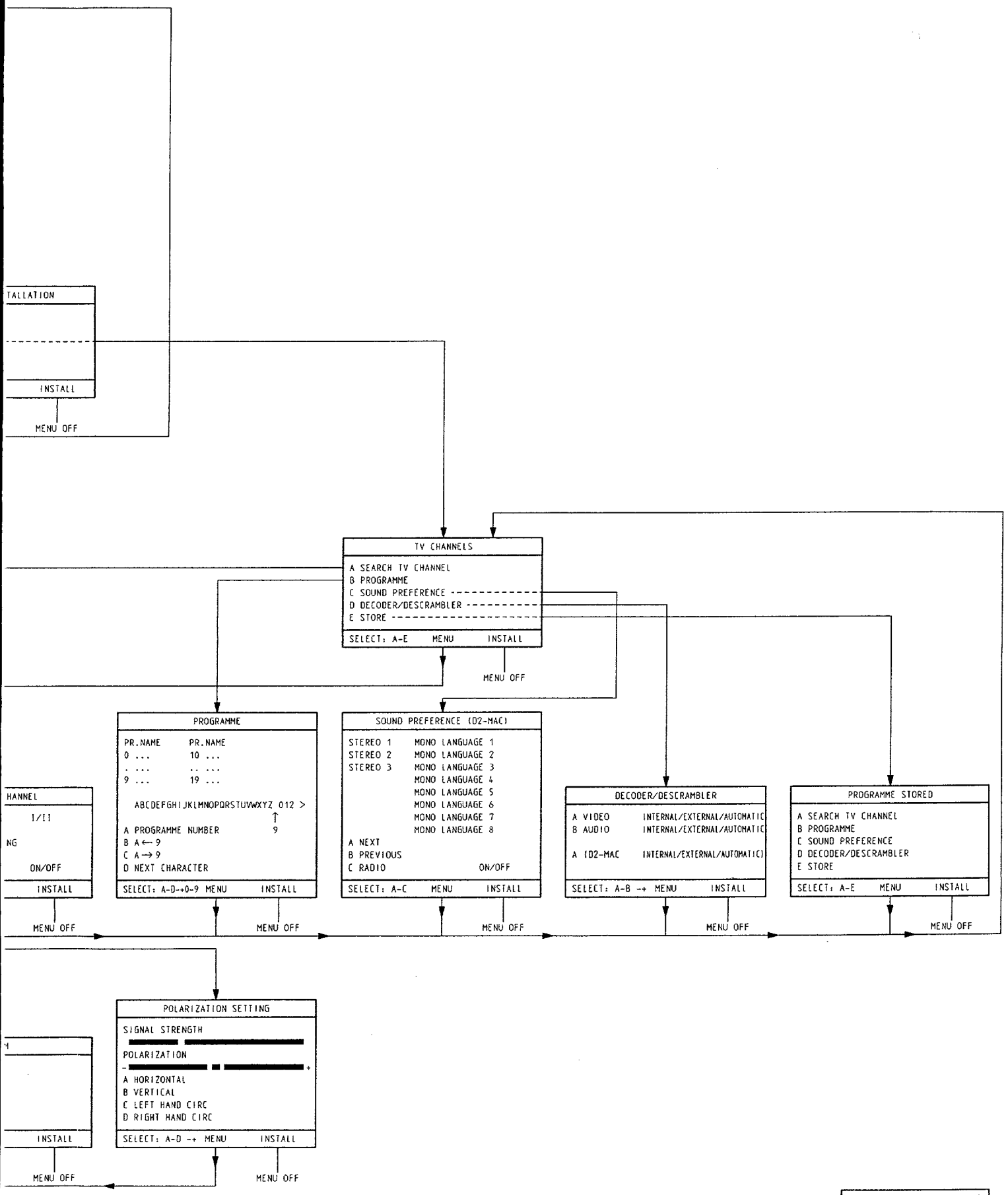


Survey of menus



INSTALLATION OF STATIONS





CHASSIS FL1.2

CL26532020/101,G001
120392

Large signal panel A B G

Connectors

	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 40442	10P MALE
	4822 265 20509	2P MALE GREY
	4822 267 40985	6P MALE
	4822 264 40207	3P MALE
	4822 265 30389	2P MALE
	4822 265 40596	2P MALE
	4822 265 20512	2P MALE GREEN
	4822 267 50591	6P MALE GOLD PLATED
	4822 264 50149	10P MALE GOLD PLATED

Various

	4822 466 93029	INSULATING PLATE
	4822 255 40527	INSULATING PLATE
	4822 492 70143	SPRING FOR 7216
	4822 492 62076	SPRING FOR 7000 AND 7001
	4822 492 70788	SPRING FIX IC
	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
	4822 310 31932	SOPS REPAIR KIT
1026	4822 212 30014	DAF UNIT 23"
1026	4822 101 11151	DAF UNIT 36"
1200	4822 070 33152	FUSE T3,15A
1250	4822 052 10108	1Ω 5% 0,33W
1595	4822 218 21041	EHT BLEEDER

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2000	4822 122 31168	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

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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 42362	33µF 20% 16V
2051	4822 124 42362	33µF 20% 16V
2052	4822 124 42362	33µF 20% 16V
2053	4822 124 42362	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
2071	4822 124 23489	33µF 20% 25V
2072	4822 124 41584	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 31177	470pF 10% 500V
2232	4822 124 40785	3300µF 20% 25V
2233	4822 122 31177	470pF 10% 500V
2234	4822 124 40738	330µF 20% 25V
2235	4822 122 31177	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 41584	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 51319	1µF 10% 63V
2330	4822 122 31784	4,7nF 10% 50V
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF +-0,5pF 50V

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2361	4822 121 42589	82nF 5% 63V
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
2382	5322 121 42386	100nF 5% 63V
2386	5322 122 31647	1nF 10% 63V
2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41577	4,7µF 20% 50V
2403	5322 124 41431	22µF 20% 35V
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 80103	4700µF 20% 25V
2456	5322 124 41742	3300µF 20% 35V
2457	4822 124 42249	1µF 10% 50V
2457	4822 124 40242	1µF 20% 63V
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
2504	4822 126 12084	390pF 10% 2kV
2507	4822 121 41673	220nF 10% 100V
2509	4822 122 40112	560pF 20% 500V
2509	4822 122 31174	2,7nF 10% 500V
2510	4822 126 11494	2,2nF 10% 500V
2510	4822 126 12083	1nF 10% 500
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
2520	4822 121 51563	560nF 5% 250V
2521	4822 121 43397	680nF 5% 250V
2522	4822 121 43397	680nF 5% 250V
2523	5322 121 41603	10nF 5% 2kV
2523	4822 122 33382	9,1nF 5% 2000V
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

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2534 2535 2536 2537 2541 2542 2543 2544 2546 2547 2547 2548 2551 2600 2605 2606 2606 2609 2609 2610 2611 2612 2613 2615 2626 2801 2805 2806

⊣□⊢

3000 3001 3004 3005 3006 3009 3011 3012 3013 3014 3016 3021 3022 3027 3028 3029 3030 3031 3032 3033 3034 3035 3036 3037 3040 3041 3043 3044 3049 3050 3051 3052 3053 3054 3060 3061 3065 3066

Large signal panel (continued)

2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000µF 20% 35V
2536	4822 126 11157	470pF 10% 500V
2537	4822 124 80037	1000µF 20% 16V
2541	4822 124 23489	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 126 11725	1µF 20% 50V
2547	4822 122 32566	3,9nF 10% 63V
2547	4822 122 33498	2,7nF 10% 63V
2548	4822 126 11725	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
2606	4822 122 32542	47nF 10% 63V
2609	5322 121 42386	100nF 5% 63V
2609	4822 121 51243	56nF 5% 50V
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 053 21475	4M7 5% 0,5W
3060	4822 051 10203	20k 2% 0,25W
3061	4822 116 52214	200Ω 5% 0,5W
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 10472	4k7 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 053 21475	4M7 5% 0,5W
3202	4822 053 21475	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
3240	4822 053 10104	100k 5% 1W
3249	4822 053 10333	33k 5% 1W
3241	4822 113 80572	2Ω2 10% 5W
3241	4822 113 80583	4Ω7 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 52202	2k2 1% 0,1W
3248	4822 051 52202	2k2 1% 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 051 51201	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
3299	4822 116 52199	68Ω 5% 0,5W
3300	4822 053 10753	75k 5% 1W
3304	4822 051 10473	47k 2% 0,25W
3305	4822 051 10472	4k7 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 52175	100Ω 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% LIN
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
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 101 21195	470k 0,1W
3422	4822 101 21194	470k 30% LIN
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
3452	4822 052 10159	15Ω 5% 0,33W
3453	4822 053 10181	180Ω 5% 1W
3455	4822 051 10471	470Ω 2% 0,25W
3456	4822 051 10114	110k 2% 0,25W
3456	4822 051 10154	150k 2% 0,25W
3457	4822 051 10822	8k2 2% 0,25W
3457	4822 051 10912	9k1 2% 0,25W
3458	4822 116 83332	1Ω1 5% 0,5W
3458	4822 116 80676	1Ω5 5% 0,2W
3459	4822 116 80176	1Ω 5% 0,5W
3459	4822 116 80676	1Ω5 5% 0,2W
3460	4822 053 12181	180Ω 5% 3W
3460	4822 053 11331	330Ω 5% 2W
3461	4822 116 80176	1Ω 5% 0,5W
3462	4822 116 80176	1Ω 5% 0,5W
3463	5322 116 82222	1Ω2 5%
3464	4822 053 10271	270Ω 5% 1W
3464	4822 053 10102	1k 5% 1W
3465	4822 051 10681	680Ω 2% 0,25W
3467	4822 100 20166	10k 30% LIN
3468	4822 053 12181	180Ω 5% 3W

Large signal panel (continued)

3468	4822 053 12331	330Ω 5% 3W
3473	4822 051 10109	10Ω 2% 0,25W
3473	4822 051 10152	1k5 2% 0,25W
3479	4822 051 10683	68k 2% 0,25W
3479	4822 116 52297	68k 5% 0,5W
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
3508	4822 116 60523	2k2 10% 5W
3509	4822 053 20104	100k 5% 0,25W
3510	4822 053 10681	680Ω 5% 1W
3511	4822 052 10128	1Ω2 5% 0,33W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 11319	4k7 30% LIN
3514	4822 116 52197	56Ω 5% 0,5W
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 050 11002	1k 1% 0,4W
3528	4822 116 52253	2k 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 52249	1k8 5% 0,5W
3533	4822 050 23301	330Ω 1% 0,6W
3534	4822 052 10128	1Ω2 5% 0,33W
3535	4822 052 10128	1Ω2 5% 0,33W
3536	4822 053 10331	330Ω 5% 1W
3537	4822 116 52197	56Ω 5% 0,5W
3538	4822 050 28202	8k2 1% 0,6W
3538	4822 050 11503	15k 1% 0,4W
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
3543	4822 051 20222	2k2 5% 0,1W
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
3555	4822 113 80592	150Ω 10% 5W
3556	4822 053 11108	1Ω 5% 2W
3558	4822 051 10109	10Ω 2% 0,25W
3560	4822 113 80586	6Ω8 10% 5W
3561	4822 051 58201	820Ω 1% 0,125W
3562	4822 051 52202	2k2 1% 0,125W
3563	4822 116 52175	100Ω 5% 0,5W
3564	4822 051 10569	56Ω 2% 0,25W
3570	4822 051 10122	1k2 2% 0,25W
3570	4822 051 10272	2k7 2% 0,25W
3601	4822 051 10104	100k 2% 0,25W
3602	4822 100 11213	22k 30% LIN
3603	4822 051 10163	16k 2% 0,25W
3603	4822 051 10123	12k 2% 0,25W
3604	4822 051 10624	620k 2% 0,25W
3604	4822 051 10514	510k 2% 0,25W
3605	4822 051 10203	20k 2% 0,25W
3605	4822 051 10103	10k 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
3620	4822 051 10682	6k8 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
3629	4822 051 10474	470k 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
3633	4822 051 10271	270Ω 2% 0,25W
3650	4822 051 20183	18k 5% 0,1W
3651	4822 051 10102	1k 2% 0,25W
3652	4822 051 10104	100k 2% 0,25W
3653	4822 051 20183	18k 5% 0,1W
3800	4822 116 52289	5k 6 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	2k 2 5% 0,5W
3809	4822 051 10104	100k 2% 0,25W
3810	4822 116 52176	10Ω 5% 0,5W

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

Jumper

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

5202	4822 212 23611	MAINSFILTER CU20D3
5230	4822 148 81192	SOPS
5237	4822 526 10494	FERRITE BEAD
5241	4822 157 62412	27µH 10%
5255	4822 146 30955	µSOPStransformer → Videocolor 36"
5255	4822 148 81225	→ Philips 28" + 36"
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%
5511	4822 157 52407	39µH 7,5%
5514	4822 157 63256	DC-SHIFT
5520	4822 157 63514	LIN Videocolor 36"
5520	4822 156 50091	LIN Philips tubes
5521	4822 157 63512	LIN Videocolor 36"
5521	4822 157 63847	LIN Philips tubes
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	LOT Videocolor
5555	4822 140 10432	LOT Philips 28" + 36"
5555	4822 140 10444	LOT Philips 28" without DAF

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

Large

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Large signal panel (continued)

6216	4822 130 42606	BYD33J
6220	4822 130 33887	GP15J
6221	4822 130 33887	GP15J
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
6314	4822 130 80446	BAS32L
6315	4822 130 80446	LL4148
6319	5322 130 34898	BZD23-C5V6
6321	4822 130 80954	LLZ-C5V6
6331	4822 130 30621	1N4148
6349	4822 130 80446	LL4148
6350	4822 130 80446	LL4148
6351	4822 130 30621	1N4148
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
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
6451	4822 130 61219	BZX79-B10
6452	4822 130 42488	BYD33D
6480	4822 130 31554	BZX79-C4V3
6506	5322 130 32184	BYV27/50
6515	4822 130 42488	BYD33D
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 82966	MURF10150E
6529	4822 130 34329	BZX79-C43
6530	4822 130 30842	BAV21
6534	4822 130 82512	BYV29F-400
6536	4822 130 82758	BYV29F-300
6542	4822 130 42488	BYD33D
6546	4822 130 80446	LL4148
6547	4822 130 30621	1N4148
6551	4822 130 83004	BZX79-A3V9
6570	4822 130 80922	BZV55-C18
6611	4822 130 81027	LLZ-C11
6633	4822 130 81512	LLZ-C6V2

6650	4822 130 80906	BZV55-C7V5
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
7312	4822 130 62955	ON4703-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/N2/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
7450	4822 209 73308	TDA3654Q/N3
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
7650	4822 130 61207	BC848
7651	4822 130 61207	BC848
7800	5322 209 10576	4053B
7801	4822 130 61207	BC848
7802	4822 130 61207	BC848

Spare parts list / Stückliste / Liste des pièces

DAF panel B

1003	4822 212 23805	DAF PANEL
	4822 265 20533	2P male
	4822 265 40596	2P male
	4822 267 41018	2P male
	4822 265 20509	2P male

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2300	5322 121 41603	10nF 5% 2kV
2860	4822 126 11254	330pF 10% 2kV
2861	4822 126 11254	330pF 10% 2kV

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3300	4822 053 21106	10M 5% 0,5W
3301	4822 116 21211	VDR
3302	4822 116 21211	VDR

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5860	4822 148 81242	transf. DAF

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6300	4822 130 83028	BYD 33J BR
6301	4822 130 83028	BYD 33J BR

Small signal panel C D F H

	4822 265 40252	7P male
	4822 265 40253	8P 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 50149	10P male gold plated
	4822 265 20512	2P male green
	4822 265 40442	10P male
	4822 264 40207	3P male
	4822 265 40442	10P male
	4822 265 20509	2P male grey
	4822 265 30828	5P male
	4822 265 30899	5P male
	4822 267 40648	5P male gold plated
	4822 265 30437	3P male
	4822 267 50769	
	4822 265 30378	4P male
	4822 265 30351	5P male
	4822 267 40696	3P male

Various

	4822 267 20427	socket SCART + 4xCINCH
	4822 267 51058	socket SCART
	4822 267 41005	socket 2xCINCH + 2xSVHS
	4822 267 41004	socket HEADPH. + CINCH + SVHS
	4822 267 51112	socket D2B
	4822 218 21075	keyboard
	4822 255 40901	socket 40 POLE
	4822 267 50887	IC socket 8P
1100	4822 212 23281	IR receiver
1107	4822 242 71711	crystal 6MHz
1160	4822 210 10409	FQ816ME/IF
1160	4822 210 10416	FQ816MF/IF
1160	4822 210 10412	FQ844
1162	4822 212 23922	CABLE SAT IF 12MHz
1162	4822 212 23922	CABLE SAT IF 8MHz
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
2107	4822 122 32863	22nF 20% 50V
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

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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
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 32927	220nF
2219	4822 122 32927	220nF
2225	4822 124 40196	220µF 20% 16V
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
2261	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 126 10324	33pF 63V
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
2311	4822 122 31765	100pF 5% 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
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

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Small signal panel (continued)

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
2375	4822 122 32863	22nF 80% 50V
2376	4822 122 32863	22nF 80% 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
2396	4822 122 32927	220nF 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 126 11804	330nF
2446	4822 126 11804	330nF
2447	4822 126 11804	330nF
2451	5322 121 42661	330nF 5% 63V
2452	4822 124 40242	1µF 20% 63V
2453	4822 122 31774	56pF 5% 50V
2454	4822 126 10324	33pF 63V
2455	4822 126 10324	33pF 63V
2456	4822 126 10324	33pF 63V
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	5322 124 41431	22µF 20% 35V
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
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	5322 124 41431	22µF 20% 35V
2707	4822 122 31784	4,7nF 10% 50V
2714	4822 122 32863	22nF 80% 50V
2716	4822 122 32597	6,8nF 10% 63V
2720	5322 124 41431	22µF 20% 35V
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
3102	4822 051 10101	100Ω 2% 0,25W
3103	4822 051 10101	100Ω 2% 0,25W
3104	4822 116 52175	100Ω 5% 0,5W
3105	4822 051 10101	100Ω 2% 0,25W
3106	4822 051 10101	100Ω 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10104	100k 2% 0,25W
3109	4822 051 52217	270Ω 5% 0,5W
3110	4822 051 10101	100Ω 2% 0,25W
3111	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
3130	4822 051 10101	100Ω 2% 0,25W
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
3152	4822 051 10103	10k 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 116 81203	10Ω 5% 0,3W
3160	4822 052 10108	1Ω 5% 0,33W
3161	4822 051 10103	10k 2% 0,25W
3162	4822 052 10758	7Ω5 5% 0,33W
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 051 51201	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 051 56203	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

Small signal panel (continued)

3215	4822 051 10689	68Ω 2% 0,25W	3304	4822 051 10101	100Ω 2% 0,25W	3483	4822 116 52175	100Ω 5% 0,5W
3216	4822 116 81193	15Ω 5% 0,3W	3305	4822 051 10104	100k 2% 0,25W	3600	4822 051 10362	3k6 2% 0,25W
3217	4822 116 52224	470Ω 5% 0,5W	3306	4822 051 10221	220Ω 2% 0,25W	3600	4822 051 10472	4k7 2% 0,25W
3218	4822 051 10471	470Ω 2% 0,25W	3306	4822 051 10241	240Ω 2% 0,25W	3602	4822 100 11212	2k2 30% LIN
3219	4822 051 10471	470Ω 2% 0,25W	3310	4822 116 52283	4k7 5% 0,5W	3603	4822 051 10332	3k3 2% 0,25W
3220	4822 051 10471	470Ω 2% 0,25W	3311	4822 051 10132	1k3 2% 0,25W	3604	4822 051 10182	1k8 2% 0,25W
3222	4822 116 52217	270Ω 5% 0,5W	3312	4822 051 10511	510Ω 2% 0,25W	3605	4822 051 10472	4k7 2% 0,25W
3224	4822 051 10759	75Ω 2% 0,25W	3313	4822 051 20222	2k2 5% 0,1W	3606	4822 052 10279	27Ω 5% 0,33W
3225	4822 051 10471	470Ω 2% 0,25W	3314	4822 051 10102	1k 2% 0,25W	3607	4822 051 10302	3k 2% 0,25W
3226	4822 051 10152	1k5 2% 0,25W	3315	4822 051 10103	10k 2% 0,25W	3608	4822 051 10101	100Ω 2% 0,25W
3227	4822 051 10112	1k1 2% 0,25W	3316	4822 051 10112	1k1 2% 0,25W	3610	4822 051 10101	100Ω 2% 0,25W
3228	4822 051 10474	470k 2% 0,25W	3317	4822 116 52233	10k 5% 0,5W	3612	4822 051 10102	1k 2% 0,25W
3229	4822 051 10331	330Ω 2% 0,25W	3324	4822 051 10223	22k 2% 0,25W	3620	4822 051 10184	180k 2% 0,25W
3230	4822 050 11002	1k 1% 0,4W	3325	4822 051 10682	6k8 2% 0,25W	3622	4822 051 10184	180k 2% 0,25W
3231	4822 051 10681	680Ω 2% 0,25W	3326	4822 051 10103	10k 2% 0,25W	3624	4822 051 10102	1k 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W	3327	4822 051 10122	1k2 2% 0,25W	3626	4822 051 10184	180k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W	3329	4822 051 10118	1Ω1 5% 0,25W	3628	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75Ω 2% 0,25W	3336	4822 051 10472	4k7 2% 0,25W	3630	4822 051 10184	180k 2% 0,25W
3235	4822 051 10759	75Ω 2% 0,25W	3338	4822 051 10391	390Ω 2% 0,25W	3632	4822 051 10102	1k 2% 0,25W
3237	4822 116 52217	270Ω 5% 0,5W	3339	4822 051 10153	15k 2% 0,25W	3634	4822 051 10184	180k 2% 0,25W
3238	4822 116 52222	390Ω 5% 0,5W	3342	4822 051 20222	2k2 5% 0,1W	3636	4822 051 10102	1k 2% 0,25W
3239	4822 051 10271	270Ω 2% 0,25W	3344	4822 051 10273	27k 2% 0,25W	3638	4822 051 10184	180k 2% 0,25W
3240	4822 051 10759	75Ω 2% 0,25W	3350	4822 051 51201	120Ω 1% 0,125W	3640	4822 051 10102	1k 2% 0,25W
3241	4822 051 10759	75Ω 2% 0,25W	3351	4822 051 10472	4k7 2% 0,25W	3642	4822 051 10184	180k 2% 0,25W
3242	4822 116 52219	330Ω 5% 0,5W	3353	4822 051 10332	3k3 2% 0,25W	3644	4822 051 10102	1k 2% 0,25W
3243	4822 051 10152	1k5 2% 0,25W	3360	4822 052 10278	2Ω7 5% 0,33W	3646	4822 051 10184	180k 2% 0,25W
3244	4822 051 10102	1k 2% 0,25W	3361	4822 051 10102	1k 2% 0,25W	3650	4822 051 10392	3k9 2% 0,25W
3245	4822 051 10474	470k 2% 0,25W	3369	4822 051 10331	330Ω 2% 0,25W	3651	4822 051 10123	12k 2% 0,25W
3246	4822 051 10331	330Ω 2% 0,25W	3370	4822 100 11391	330Ω 30% LIN	3652	4822 051 10392	3k9 2% 0,25W
3247	4822 051 10102	1k 2% 0,25W	3371	4822 051 10431	430Ω 2% 0,25W	3653	4822 051 10123	12k 2% 0,25W
3248	4822 051 10681	680Ω 2% 0,25W	3372	4822 051 10331	330Ω 2% 0,25W	3654	4822 116 52244	15k 5% 0,5W
3249	4822 051 10102	1k 2% 0,25W	3375	4822 051 10008	0Ω 5% 0,25W	3660	4822 051 10331	330Ω 2% 0,25W
3251	4822 051 10759	75Ω 2% 0,25W	3377	4822 051 10682	6k8 2% 0,25W	3662	4822 051 10151	150Ω 2% 0,25W
3252	4822 051 10759	75Ω 2% 0,25W	3380	4822 050 11002	1k 1% 0,4W	3664	4822 051 10331	330Ω 2% 0,25W
3253	4822 051 10331	330Ω 2% 0,25W	3382	4822 051 20222	2k2 5% 0,1W	3665	4822 116 81193	15Ω 5% 0,3W
3254	4822 116 81193	15Ω 5% 0,3W	3383	4822 051 10333	33k 2% 0,25W	3666	4822 051 10151	150Ω 2% 0,25W
3255	4822 051 10821	820Ω 2% 0,25W	3385	4822 051 10105	1M 5% 0,25W	3668	4822 051 10331	330Ω 2% 0,25W
3256	4822 051 10103	10k 2% 0,25W	3387	4822 050 11002	1k 1% 0,4W	3672	4822 051 10331	330Ω 2% 0,25W
3257	4822 051 10103	10k 2% 0,25W	3389	4822 051 10182	1k8 2% 0,25W	3680	4822 052 10279	27Ω 5% 0,33W
3259	4822 051 10103	10k 2% 0,25W	3390	4822 051 10821	820Ω 2% 0,25W	3682	4822 051 10568	5Ω6 5% 0,25W
3260	4822 116 81193	15Ω 5% 0,3W	3391	4822 051 20222	2k2 5% 0,1W	3684	4822 116 52175	100Ω 5% 0,5W
3261	4822 051 10471	470Ω 2% 0,25W	3392	4822 051 10101	100Ω 2% 0,25W	3686	4822 116 52175	100Ω 5% 0,5W
3262	4822 051 10103	10k 2% 0,25W	3393	4822 051 10101	100Ω 2% 0,25W	3700	4822 116 52263	2k7 5% 0,5W
3263	4822 051 10689	68Ω 2% 0,25W	3394	4822 051 10101	100Ω 2% 0,25W	3702	4822 051 10223	22k 2% 0,25W
3264	4822 051 10471	470Ω 2% 0,25W	3395	4822 051 10471	470Ω 2% 0,25W	3704	4822 051 10102	1k 2% 0,25W
3265	4822 051 10103	10k 2% 0,25W	3396	4822 051 20222	2k2 5% 0,1W	3706	4822 116 81203	10Ω 5% 0,3W
3266	4822 051 10103	10k 2% 0,25W	3397	4822 052 10249	24Ω 5% 0,33W	3708	4822 051 10101	100Ω 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W	3398	4822 116 52175	100Ω 5% 0,5W	3710	4822 051 20183	18k 5% 0,1W
3268	4822 051 10101	100Ω 2% 0,25W	3399	4822 116 52175	100Ω 5% 0,5W	3712	4822 116 52203	91Ω 5% 0,5W
3269	4822 051 10561	560Ω 2% 0,25W	3410	4822 116 52224	470Ω 5% 0,5W	3713	4822 116 52203	91Ω 5% 0,5W
3270	4822 051 10472	4k7 2% 0,25W	3425	4822 116 52224	470Ω 5% 0,5W	3714	4822 051 10828	8Ω2 5% 0,25W
3271	4822 051 10471	470Ω 2% 0,25W	3426	4822 116 52224	470Ω 5% 0,5W	3720	4822 116 81203	10Ω 5% 0,3W
3272	4822 116 52228	680Ω 5% 0,5W	3450	4822 051 20222	2k2 5% 0,1W	3722	4822 116 52263	2k7 5% 0,5W
3273	4822 051 10471	470Ω 2% 0,25W	3451	4822 051 10432	4k3 2% 0,25W	3724	4822 051 10223	22k 2% 0,25W
3274	4822 051 10103	10k 2% 0,25W	3453	4822 051 10511	510Ω 2% 0,25W	3726	4822 051 10102	1k 2% 0,25W
3275	4822 051 10689	68Ω 2% 0,25W	3454	4822 051 10101	100Ω 2% 0,25W	3728	4822 051 10101	100Ω 2% 0,25W
3276	4822 051 10471	470Ω 2% 0,25W	3455	4822 051 10101	100Ω 2% 0,25W	3730	4822 051 20183	18k 5% 0,1W
3277	4822 051 10271	270Ω 2% 0,25W	3456	4822 051 10101	100Ω 2% 0,25W	3732	4822 116 52203	91Ω 5% 0,5W
3278	4822 051 10273	27k 2% 0,25W	3465	4822 050 11002	1k 1% 0,4W	3733	4822 116 52203	91Ω 5% 0,5W
3279	4822 051 10689	68Ω 2% 0,25W	3475	4822 051 10124	120k 2% 0,25W	3734	4822 051 10828	8Ω2 5% 0,25W
3280	4822 051 10273	27k 2% 0,25W	3476	4822 051 10154	150k 2% 0,25W	3998	4822 051 10681	680Ω 2% 0,25W
3285	4822 051 10103	10k 2% 0,25W	3477	4822 116 52286	5k1 5% 0,5W	3998	4822 051 10182	1k8 2% 0,25W
3286	4822 051 10103	10k 2% 0,25W	3478	4822 116 52224	470Ω 5% 0,5W	3998	4822 051 20222	2k2 5% 0,1W
3300	4822 051 10103	10k 2% 0,25W	3479	4822 051 10223	22k 2% 0,25W			
3301	4822 051 10332	3k3 2% 0,25W	3480	4822 052 10278	2Ω7 5% 0,33W			
3303	4822 051 10361	360Ω 2% 0,25W	3481	4822 052 10278	2Ω7 5% 0,33W			
3303	4822 051 10301	300Ω 2% 0,25W	3482	4822 116 52223	430Ω 5% 0,5W			
3304	4822 051 51201	120Ω 1% 0,125W						

Small

Jumper
4066
4100
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4672
4673

Small signal panel (continued)

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Jumper

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
4116	4822 051 10008	0Ω 5% 0,25W
4117	4822 051 10008	0Ω 5% 0,25W
4118	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
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
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
4443	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
4500	4822 051 10008	0Ω 5% 0,25W
4600	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%
5107	4822 157 51462	10µH 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
5310	4822 157 63245	82µH 10%
5345	4822 157 62822	4,5µH
5346	4822 157 62823	26µH
5370	4822 157 62824	7,5µH
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
6471	4822 130 30621	1N4148
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6481	4822 130 34142	BZX79-B33
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
7107	5322 130 41982	BC848B
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
7137	4822 209 62524	X24C16P
7175	5322 209 10883	PCF8574P
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	4822 130 60511	BC847B
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 30837	TDA4650/V4/S1
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

Second tuner PIP J

1023	4822 212 23945	PIP PANEL MULTI IEC
	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

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

2103	4822 126 10324	33pF 63V
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	5322 124 41431	22µF 20% 35V
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 41738	270nF 5% 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 41857	10nF 5% 250V
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

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	7k5 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 10561	560Ω 2% 0,25W
3452	4822 051 10561	560Ω 2% 0,25W
3454	4822 051 10561	560Ω 2% 0,25W
3464	4822 051 10102	1k 2% 0,25W
3471	4822 051 10752	7k5 2% 0,25W
3472	4822 051 10224	220k 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
3477	4822 051 10123	12k 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

Sec

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Jump

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Second tuner PIP (continued)

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
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 10124	120k 2% 0,25W
3634	4822 051 10124	120k 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

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
4300	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%

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
7408	4822 209 62474	SDA9088
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/N3
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 63423	TDA2579B/N2

High end-box L M

1750	4822 212 23815	H-E BOX EUR 36"
1750	4822 212 23816	H-E BOX SCAN 36"
1750	4822 212 30016	HE-BOX EURO 28"
1750	4822 212 30017	HE-BOX SCAN 28"
	4822 267 60253	IC SOCKET 22P
	4822 255 40901	IC SOCKET 40P
	4822 267 70257	IC SOCKET 48P
	4822 267 60253	IC SOCKET 22P
	4822 267 50885	IC SOCKET 18F
	4822 265 40472	10P GOLD PLATED

Various

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

2100	4822 122 32999	2,2nF 5%
2101	4822 122 32999	2,2nF 5%
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

High end-box (continued)

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 40196	220µF 20% 16V
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
3001	4822 051 10479	47Ω 2% 0,25W
3001	4822 051 10569	56Ω 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
3104	4822 051 10301	300Ω 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 10122	1k2 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 10122	1k2 2% 0,25W
3133	4822 051 10101	100Ω 2% 0,25W
3134	4822 051 10271	270Ω 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
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
3157	4822 051 10301	300Ω 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 10122	1k2 2% 0,25W
3164	4822 051 20222	2k2 5% 0,1W
3165	4822 051 10122	1k2 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 051 52871	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	1M5 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

High e

3228	4
3230	4
3231	4
3232	4
3251	4
3252	4
3253	4
3254	4
3255	4
3256	4
3260	4
3261	4
3262	4
3263	4
3264	4
3265	4
3270	4
3272	4
3273	4
3274	4
3275	4
3276	4
3277	4
3278	4
3279	4
3280	4
3281	4
3290	4
3291	4
3292	4
3293	4

Jumper

4001	4
4003	4
5100	4
5101	4
5102	4
5103	4
5104	4
5105	4
5106	4
5107	4
5108	4
5109	4
5110	4
5150	4
5151	4
5152	4
5201	4
5202	4
5251	4
5252	4
6102	5
6103	5
6106	4
6107	4
6150	4
6151	4
6160	4
6200	4
6201	4
6202	4

High end-box (continued)

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 10681	680Ω 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

Jumper

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

5100	4822 157 63246	6,00 µH 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/MO A
7202	4822 209 63893	LH2464-10
7203	4822 209 63423	TDA2579B/N1
7204	4822 209 31068	SC87C51ACN40 PROG
7204	4822 209 30868	PCF80G51BH-3P/ J297
7205	4822 209 63892	UPD91237C/CE0 28A
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

LFR box L' M'

Various

1750	4822 212 30009	PROSCAN PANEL
	4822 265 61259	IC SOCKET 68P
	4822 267 70257	IC SOCKET 48P
	4822 255 40901	IC SOCKET 40P
	4822 265 40472	10P FEMALE GOLD PLATED
1001	4822 242 72572	CRYSTAL 12,000 000 MHz
1002	4822 242 71417	CRYSTAL 13,875 000 MHz

2000	4822 122 33496	100nF 10% 63V
2001	4822 122 33496	100nF 10% 63V
2002	4822 122 33496	100nF 10% 63V
2003	4822 122 33496	100nF 10% 63V
2004	4822 122 33496	100nF 10% 63V
2005	4822 122 33496	100nF 10% 63V
2006	4822 124 40731	330µF 20% 6,3V
2007	4822 122 33496	100nF 10% 63V
2010	4822 122 33496	100nF 10% 63V
2011	4822 122 33496	100nF 10% 63V
2012	4822 122 33496	100nF 10% 63V
2013	4822 122 33496	100nF 10% 63V
2014	4822 122 33496	100nF 10% 63V
2015	4822 122 33496	100nF 10% 63V
2016	4822 122 33496	100nF 10% 63V
2017	4822 122 33496	100nF 10% 63V
2018	4822 122 33496	100nF 10% 63V
2021	4822 122 33496	100nF 10% 63V
2022	4822 122 33496	100nF 10% 63V
2023	4822 122 33496	100nF 10% 63V
2026	4822 122 32083	8,2pF 5% 50V
2027	4822 122 31961	68pF 5% 63V
2028	4822 122 31772	47pF 5% 50V
2029	4822 122 33496	100nF 10% 63V
2030	4822 122 32083	8,2pF 5% 50V
2031	4822 122 31808	150pF 10% 50V
2032	4822 122 31772	47pF 5% 50V
2033	4822 122 32083	8,2pF 5% 50V
2034	4822 122 33496	100nF 10% 63V
2035	4822 122 31808	150pF 10% 50V
2036	4822 122 31772	47pF 5% 50V
2037	4822 122 31765	100pF 5% 50V
2038	4822 122 31765	100pF 5% 50V
2039	4822 124 41643	100µF 20% 16V
2040	4822 122 33496	100nF 10% 63V
2041	4822 122 31825	27pF 10% 50V
2043	4822 122 32442	10nF 50V
2044	4822 122 32442	10nF 50V
2045	4822 124 41576	2,2µF 20% 50V
2046	4822 124 40435	10µF 20% 50V
2047	4822 122 32504	15pF 5% 50V
2048	4822 124 41576	2,2µF 20% 50V
2049	4822 122 33496	100nF 10% 63V
2050	4822 124 41997	470µF 20% 10V
2051	4822 122 32504	15pF 5% 50V
2052	4822 122 32142	270pF 5% 63V
2053	4822 122 32891	68nF 10% 63V
2054	4822 122 32504	15pF 5% 50V
2055	5322 122 31647	1nF 10% 63V
2056	4822 122 31727	470pF 5% 63V
2057	4822 122 31797	22nF 10% 63V
2058	4822 122 32142	270pF 5% 63V
2059	4822 122 31765	100pF 5% 50V
2060	4822 122 31772	47pF 5% 50V
2061	4822 122 31772	47pF 5% 50V

LFR box (continued)

2062	4822 122 31772	47pF 5% 50V
2063	4822 122 31772	47pF 5% 50V
2064	4822 124 41643	100µF 20% 16V
2065	4822 122 33496	100nF 10% 63V
2066	4822 122 33496	100nF 10% 63V
2067	4822 122 33496	100nF 10% 63V
2068	4822 122 33496	100nF 10% 63V
2069	4822 122 33496	100nF 10% 63V
2070	4822 122 33496	100nF 10% 63V
2071	4822 124 41643	100µF 20% 16V
2072	5322 122 31647	1nF 10% 63V
2073	4822 122 31839	82pF 10% 50V
2074	4822 122 31981	33nF +-0,5pF 50V
2075	4822 122 33496	100nF 10% 63V
2076	5322 122 31842	330pF 5% 63V
2077	4822 124 41576	2,2µF 20% 50V
2078	4822 122 33496	100nF 10% 63V
2079	4822 121 42937	2,7nF 5% 250V
2080	5322 124 41431	22µF 20% 35V
2081	4822 124 41577	4,7µF 20% 50V
2082	4822 122 31772	47pF 5% 50V
2083	4822 122 33496	100nF 10% 63V
2084	4822 122 33496	100nF 10% 63V
2085	4822 122 31765	100pF 5% 50V
2086	4822 122 31825	27pF 10% 50V
2087	4822 122 31825	27pF 10% 50V
2088	4822 122 31797	22nF 10% 63V
2090	4822 122 31772	47pF 5% 50V
2091	4822 122 31746	1nF 2% 63V
2092	4822 124 41576	2,2µF 20% 50V
2093	4822 124 41997	470µF 20% 10V
2094	4822 122 33496	100nF 10% 63V
2095	4822 122 33496	100nF 10% 63V
2096	4822 122 31644	2,2nF 10% 63V
2097	4822 122 31746	1nF 2% 63V
2098	4822 124 40435	10µF 20% 50V
2099	4822 122 33496	100nF 10% 63V
2100	4822 122 33496	100nF 10% 63V
2102	4822 122 31644	2,2nF 10% 63V
2103	4822 124 40196	220µF 20% 16V
2105	4822 122 33496	100nF 10% 63V
2106	4822 124 41643	100µF 20% 16V
2107	4822 122 33496	100nF 10% 63V
2108	4822 122 31765	100pF 5% 50V
2109	4822 122 32506	5,6pF 5% 50V
2110	4822 122 31765	100pF 5% 50V
2111	5322 122 31842	330pF 5% 63V
2112	4822 122 31981	33nF +-0,5pF 50V
2113	4822 122 31644	2,2nF 10% 63V
2114	4822 126 11492	220nF 10% 63V
2115	4822 126 11492	220nF 10% 63V
2116	4822 122 31768	180pF 5% 50V
2117	4822 122 32442	10nF 50V
2118	4822 122 33496	100nF 10% 63V
2119	4822 122 33496	100nF 10% 63V
2120	4822 122 31965	220pF 5% 63V
2121	4822 122 31965	220pF 5% 63V
2122	5322 122 31842	330pF 5% 63V
2123	4822 122 33496	100nF 10% 63V
2124	4822 122 31808	150pF 10% 50V
2125	4822 122 33498	2,7nF 10% 63V
2126	4822 122 33496	100nF 10% 63V
2127	4822 122 33496	100nF 10% 63V
2128	4822 122 31808	150pF 10% 50V
2129	4822 122 33496	100nF 10% 63V
2130	4822 122 31771	390pF 5% 50V
2131	4822 122 31825	27pF 10% 50V
2132	5322 122 31842	330pF 5% 63V
2133	4822 122 31825	27pF 10% 50V
2134	4822 122 31771	390pF 5% 50V
2136	4822 122 31825	27pF 10% 50V
2150	4822 124 41506	47µF 20% 16V
2151	4822 122 31772	47pF 5% 50V
2152	4822 122 33496	100nF 10% 63V
2153	4822 122 31772	47pF 5% 50V
2160	4822 122 33498	2,7nF 10% 63V
2161	4822 122 31825	27pF 10% 50V
2162	4822 122 31971	10pF 10% 50V
2163	4822 126 11492	220nF 10% 50V
2164	4822 122 31971	10pF 10% 50V
2165	4822 126 10324	33pF 63V
2166	4822 122 31772	47pF 5%50V
2167	4822 122 31772	47pF 5% 50V
2168	4822 126 10324	33pF 63V
2169	4822 124 40849	330µF 20% 16V
2170	4822 122 32139	12pF 5% 63V
2172	4822 122 31772	47pF 5% 50V
2175	4822 122 33496	100nF 10% 63V
2179	4822 122 33496	100nF 10% 63V
2180	4822 122 31797	22nF 10% 63V
2181	4822 122 31772	47pF 5% 50V
2184	4822 122 32139	12pF 5% 63V
2185	4822 124 41506	47µF 20% 16V
2186	4822 124 41506	47µF 20% 16V
2187	4822 124 40731	330µF 20% 6,3V
2188	4822 122 31772	47pF 5% 50V
2190	4822 126 11492	220nF 10% 50V

3000	4822 051 10162	1k6 2% 0,25W
3001	4822 111 41424	22Ω 5% 0,3W
3002	4822 051 10242	2k4 2% 0,25W
3003	4822 051 10682	6k8 2% 0,25W
3004	4822 051 10472	4k7 2% 0,25W
3006	4822 050 24708	4Ω7 5% 0,3W
3007	4822 051 10209	20Ω 2% 0,25W
3008	4822 051 10008	0Ω 5% 0,25W
3009	4822 051 10829	82Ω 2% 0,25W
3011	4822 051 10101	100Ω 2% 0,25W
3012	4822 051 10339	33Ω 2% 0,25W
3013	4822 051 10221	220Ω 2% 0,25W
3014	4822 051 10101	100Ω 2% 0,25W
3016	4822 051 10759	75Ω 2% 0,25W
3017	4822 051 10361	360Ω 2% 0,25W
3019	4822 111 41423	18Ω 5% 0,3W
3021	4822 051 10101	100Ω 2% 0,25W
3022	4822 051 10101	100Ω 2% 0,25W
3023	4822 051 10008	0Ω 5% 0,25W
3024	4822 051 10473	47k 2% 0,25W
3025	4822 051 10102	1k 2% 0,25W
3026	4822 051 10181	180Ω 2% 0,25W
3027	4822 051 10102	1k 2% 0,25W
3028	4822 051 10221	220Ω 2% 0,25W
3029	4822 051 10683	68k 2% 0,25W
3030	4822 051 10681	680Ω 2% 0,25W
3031	4822 051 10471	470Ω 2% 0,25W
3032	4822 051 10471	470Ω 2% 0,25W
3033	4822 051 10471	470Ω 2% 0,25W
3034	4822 051 10759	75Ω 2% 0,25W
3035	4822 051 20222	2k2 5% 0,1W
3036	4822 051 10221	220Ω 2% 0,25W
3037	4822 111 41424	22Ω 5% 0,3W
3038	4822 051 10103	10k 2% 0,25W
3039	4822 051 10683	68k 2% 0,25W
3040	4822 051 10104	100k 2% 0,25W
3041	4822 051 10561	560Ω 2% 0,25W
3042	4822 051 10102	1k 2% 0,25W
3043	4822 051 10103	10k 2% 0,25W
3044	4822 052 10279	27Ω 5% 0,3W
3045	4822 051 10162	1k6 2% 0,25W
3046	4822 051 10272	2k7 2% 0,25W
3047	4822 051 10332	3k3 2% 0,25W
3048	4822 051 10562	5k6 2% 0,25W
3049	4822 051 10229	22Ω 2% 0,25W
3050	4822 051 10122	1k2 2% 0,25W
3051	4822 051 10333	33k 2% 0,25W
3052	4822 051 10513	51k 2% 0,25W
3053	4822 051 10821	820Ω 2% 0,25W
3054	4822 100 20166	10k 30% LIN
3055	4822 051 10201	200Ω 2% 0,25W
3056	4822 051 10472	4k7 2% 0,25W
3057	4822 051 10472	4k7 2% 0,25W
3058	4822 051 10472	4k7 2% 0,25W
3060	4822 051 10123	12k 2% 0,25W
3061	4822 05110622	6k2 2% 0,25W
3062	4822 051 10103	10k 2% 0,25W
3063	4822 051 10471	470Ω 2% 0,25W
3064	4822 051 10104	100k 2% 0,25W
3065	4822 051 10824	820k 2%0,25W
3066	4822 051 10242	2k4 2% 0,25W
3067	4822 051 10109	10Ω 2% 0,25W
3068	4822 051 10103	10k 2% 0,25W
3071	4822 051 10008	0Ω 5% 0,25W
3074	4822 051 10242	2k4 2% 0,25W
3075	4822 051 10103	10k 2% 0,25W
3076	4822 051 10221	220Ω 2% 0,25W
3078	4822 051 10824	820k 2% 0,25W
3079	4822 051 10471	470Ω 2%0,25W
3082	4822 051 20222	2k2 5% 0,1W
3083	4822 051 20222	2k2 5% 0,1W
3084	4822 051 10473	47k 2% 0,25W
3085	4822 116 81193	15Ω 5% 0,3W
3086	4822 051 10473	47k 2% 0,25W
3087	4822 051 10181	180Ω 2% 0,25W
3089	4822 116 81192	12Ω 5% 0,3W
3090	4822 051 10102	1k 2% 0,25W
3091	4822 051 51201	120Ω 1% 0,125W
3092	4822 051 10224	220k 2% 0,25W
3093	4822 051 10104	100k 2% 0,25W
3094	4822 051 10124	120k 2% 0,25W
3095	4822 051 10223	22k 2% 0,25W
3096	4822 051 10479	47Ω 2% 0,25W
3097	4822 051 10223	22k 2% 0,25W
3098	4822 051 10151	150Ω 2% 0,25W
3099	4822 051 10272	2k7 2% 0,25W
3100	4822 051 10221	220Ω 2% 0,25W
3101	4822 051 10122	1k2 2% 0,25W
3102	4822 051 20222	2k2 5%0,1W
3103	4822 051 10102	1k 2% 0,25W
3104	4822 051 10331	330Ω 2% 0,25W
3105	4822 051 10472	4k7 2% 0,25W
3106	4822 051 10152	1k5 2% 0,25W
3107	4822 051 10221	220Ω 2%0,25W
3108	4822 051 10472	4k7 2% 0,25W
3109	4822 051 10109	10Ω 2% 0,25W
3110	4822 051 10681	680Ω 2% 0,25W
3111	4822 051 10102	1k 2% 0,25W
3112	4822 051 10181	180Ω 2% 0,25W

LFF

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LFR box (continued)

3113	4822 051 10152	1k5 2% 0,25W	
3114	4822 051 10919	91Ω 2% 0,25W	
3115	4822 051 10101	100Ω 2% 0,25W	
3116	4822 051 10472	4k7 2% 0,25W	
3117	4822 051 10102	1k 2% 0,25W	
3118	4822 051 10271	270Ω 2% 0,25W	
3119	4822 051 10332	3k3 2% 0,25W	
3120	4822 051 10271	270Ω 2% 0,25W	
3121	4822 051 10272	2k7 2% 0,25W	
3123	4822 051 10221	220Ω 2% 0,25W	
3125	4822 051 10759	75Ω 2% 0,25W	
3127	4822 051 10431	430Ω 2% 0,25W	
3128	4822 051 10271	270Ω 2% 0,25W	
3160	4822 051 10562	5k6 2% 0,25W	
3161	4822 051 20222	2k2 5% 0,1W	
3162	4822 051 10102	1k 2% 0,25W	
3163	4822 051 20222	2k2 5% 0,1W	
3166	4822 051 10569	56Ω 2% 0,25W	
3167	4822 051 10561	560Ω 2% 0,25W	
3168	4822 051 10471	470Ω 2% 0,25W	
3169	4822 051 10103	10k 2% 0,25W	
3176	4822 051 10221	220Ω 2% 0,25W	
3300	4822 051 10229	22Ω 2% 0,25W	
3180	4822 051 10109	10Ω 2% 0,25W	
3181	4822 051 10101	100Ω 2% 0,25W	
3182	4822 051 10102	1k 2% 0,25W	
3183	4822 051 10471	470Ω 2% 0,25W	
3184	4822 051 10101	100Ω 2% 0,25W	
3201	4822 051 10102	1k 2% 0,25W	
3202	4822 051 10102	1k 2% 0,25W	

Jumper

4010	4822 051 10008	0Ω 5% 0,25W	

5000	4822 157 50961	22µH 10%	
5001	4822 157 60147	2,2µH	
5002	4822 157 60147	2,2µH	
5003	4822 157 60147	2,2µH	
5004	4822 157 60147	2,2µH	
5005	4822 157 60147	2,2µH	
5006	4822 157 60147	2,2µH	
5007	4822 157 60147	2,2µH	
5008	4822 157 52403	3,3µH	10%
5009	4822 157 60147	2,2µH	
5010	4822 157 52403	3,3µH	10%
5011	4822 157 60147	2,2µH	
5012	4822 157 52403	3,3µH	10%
5013	4822 157 60147	2,2µH	
5014	4822 157 52224	15µH	10%
5015	4822 157 60147	2,2µH	
5016	4822 157 52138	27µH	10%
5017	4822 157 60147	2,2µH	
5018	4822 157 60147	2,2µH	
5019	4822 157 52403	3,3µH	10%
5020	4822 157 60147	2,2µH	
5021	4822 157 60147	2,2µH	
5022	4822 157 60498	56µH	10%
5023	4822 156 11145	1,0µH	6%
5025	4822 156 11143	4,3µH	6%
5026	4822 157 60147	2,2µH	
5027	4822 156 11144	3,3µH	6%
5028	4822 157 60147	2,2µH	
5030	4822 157 63834	3,9µH	10%
5031	4822 157 63834	3,9µH	10%
5032	4822 157 63834	3,9µH	10%
5033	4822 157 60147	2,2µH	
5034	4822 157 60147	2,2µH	

6000	4822 130 80446	LL4148	
6001	4822 130 80884	LLZ-C5V1	
6002	4822 130 80446	LL4148	
6003	4822 130 82334	BAS85	
6004	4822 130 80446	LL4148	
6005	4822 130 80446	LL4148	
6006	4822 130 31253	BZX55-C2V4	
6007	4822 130 80888	BA682	
6008	4822 130 80888	BA682	
6009	5322 130 80119	BBY40	
6010	5322 130 80119	BBY40	

7000	5322 130 42136	BC848C	
7010	5322 130 42136	BC848C	
7011	5322 130 41983	BC858B	
7012	5322 130 41982	BC848B	
7013	4822 130 60511	BC847B	
7014	5322 130 41983	BC858B	
7022	5322 130 41982	BC848B	
7023	4822 130 42513	BC858C	
7024	5322 130 42012	BC858	
7025	5322 130 42012	BC858	
7026	5322 130 41982	BC848B	
7027	4822 130 61207	BC848	
7029	5322 130 41982	BC848B	
7030	4822 130 40938	BC548	
7034	4822 130 42131	BF550	
7035	4822 130 42513	BC858C	
7036	5322 130 42136	BC848C	
7037	4822 130 61207	BC848	
7038	5322 130 42136	BC848C	
7039	5322 130 42136	BC848C	
7040	4822 130 42131	BF550	
7042	5322 130 42136	BC848C	
7060	5322 130 42136	BC848C	
7201	4822 209 60525	TMS4C1050-3N	
7202	4822 209 60525	TMS4C1050-3N	
7203	4822 209 60525	TMS4C1050-3N	
7204	4822 209 60525	TMS4C1050-3N	
7205	4822 209 60525	TMS4C1050-3N	
7206	4822 209 60525	TMS4C1050-3N	
7207	4822 209 31056	SDA9205-2	
7208	4822 209 31057	UPD65640G-011-3B9	
7209	4822 209 31059	SAA7158WP/V2	
7210	4822 209 72042	MC78L05ACP	
7214	4822 209 63645	SAA5231/V7	
7215	4822 209 63902	SAA9042P/A/MOA	
7216	4822 209 63423	TDA2579B/N2	
7217	4822 209 63644	SDA9086-3	
7218	5322 209 61004	N74F74D	
7219	4822 209 63892	UPD91237C/CE028A	
7220	4822 209 31061	S87C652-5N40	
7221	4822 209 83163	LM833N	
7231	4822 209 72042	MC78L05ACP	
7233	4822 209 63893	LH2464-10	
7244	5322 209 61004	N74F74D	
7261	4822 209 72042	MC78L05ACP	

ECO NICAM K

Connectors

	4822 265 41087	9P male

Various parts

1001	4822 242 81128	crystal 17.470 000 MHz
1002	4822 242 72301	filter TH316BOM - 20800DAF
1002	4822 242 72303	filter TH316BQM
1003	4822 242 81126	crystal 11.170 000 MHz
1003	4822 242 81127	crystal 13.100 000 MHz
1106	4822 242 72303	filter TH316BQM
1600	4822 212 23907	NICAM PAL BG
1600	4822 212 23908	NICAM PAL I

2000	4822 122 31947	100nF	20% 63V
2001	4822 124 40433	47µF	20% 25V
2002	4822 122 31797	22nF	10% 63V
2003	4822 122 31797	22nF	10% 63V
2004	4822 122 31768	180pF	5% 50V
2005	4822 122 31768	180pF	5% 50V
2006	5322 122 31842	330pF	5% 63V
2007	4822 122 32597	6,8nF	10% 63V
2008	4822 122 31808	150pF	10% 50V
2009	4822 122 32442	10nF	50V
2010	4822 122 31808	150pF	10% 50V
2011	4822 122 31766	120pF	5% 50V
2012	4822 121 41854	150nF	5% 63V
2013	4822 122 31746	1000pF	5% 50V
2014	4822 122 32442	10nF	50V
2015	4822 125 50045	20pF trim.	
2016	4822 122 31961	68pF	5% 63V
2017	4822 121 42408	220nF	5% 63V
2018	4822 122 32442	10nF	50V
2019	4822 122 31797	22nF	10% 63V
2020	4822 124 40433	47µF	20% 25V
2021	4822 122 31782	15nF	10% 50V
2021	4822 122 32856	8,2nF	10% 63V
2022	4822 122 31981	33nF	±0,5pF 50V
2022	4822 122 31759	18nF	
2023	4822 122 31981	33nF	±0,5pF 50V
2023	4822 122 31759	18nF	
2024	4822 122 31782	15nF	10% 50V
2024	4822 122 32856	8,2nF	10% 63V
2025	4822 122 31797	22nF	10% 63V
2026	4822 124 40433	47µF	20% 25V
2027	4822 122 31773	560pF	5% 50V
2028	4822 126 10171	2,7nF	5% 50V
2029	4822 122 32999	2,2nF	5% 50V
2030	4822 122 32999	2,2nF	5% 50V
2031	4822 126 10171	2,7nF	5% 50V
2032	4822 122 31773	560pF	5% 50V
2033	4822 126 11492	220nF	10% 63V
2034	4822 126 11492	220nF	10% 63V
2035	4822 122 31746	1000pF	5% 50V
2036	4822 122 32442	10nF	50V
2037	4822 122 32442	10nF	50V
2038	4822 122 31797	22nF	10% 63V
2039	4822 126 11691	150nF	10% 63V
2040	4822 122 33669	150nF	20% 50V
2041	5322 122 31647	1nF	10% 63V
2042	4822 126 10183	330pF	10% 63V
2043	5322 122 31647	1nF	10% 63V
2044	5322 122 31647	1nF	10% 63V
2050	4822 124 40433	47µF	20% 25V

ECO NICAM (continued)

2051	5322 122 31647	1nF 10% 63V
2245	5322 122 31647	1nF 10% 63V
2246	5322 122 31647	1nF 10% 63V
3000	4822 051 10471	470Ω 2% 0,25W
3002	4822 051 10332	3k3 2% 0,25W
3003	4822 051 10332	3k3 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10823	82k 2% 0,25W
3007	4822 051 10223	22k 2% 0,25W
3008	4822 051 10223	22k 2% 0,25W
3009	4822 051 10392	3k9 2% 0,25W
3010	4822 051 10104	100k 2% 0,25W
3011	4822 051 10104	100k 2% 0,25W
3012	4822 053 20106	10M 5% 0,25W
3013	4822 051 10824	820k 2% 0,25W
3014	4822 051 10103	10k 2% 0,25W
3015	4822 051 10682	6k8 2% 0,25W
3015	4822 051 10123	12k 2% 0,25W
3016	4822 051 10122	1k2 2% 0,25W
3016	4822 051 20222	2k2 5% 0,1W
3017	4822 051 10122	1k2 2% 0,25W
3017	4822 051 20222	2k2 5% 0,1W
3018	4822 051 10682	6k8 2% 0,25W
3018	4822 051 10123	12k 2% 0,25W
3019	4822 051 10752	7k5 2% 0,25W
3019	4822 051 10562	5k6 2% 0,25W
3020	4822 051 10472	4k7 2% 0,25W
3021	4822 051 10472	4k7 2% 0,25W
3022	4822 051 10472	4k7 2% 0,25W
3023	4822 051 10472	4k7 2% 0,25W
3024	4822 051 10184	180k 2% 0,25W
3025	4822 051 10184	180k 2% 0,25W
3026	4822 051 10101	100Ω 2% 0,25W
3027	4822 051 10101	100Ω 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 052 10109	10Ω 5% 0,33W
3030	4822 051 10102	1k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10569	56Ω 2% 0,25W
3033	4822 051 20222	2k2 5% 0,1W
3034	4822 051 10431	430Ω 2% 0,25W
3035	4822 051 10241	240Ω 2% 0,25W
3036	4822 051 10102	1k 2% 0,25W
3037	4822 051 10159	15Ω 2% 0,25W
3049	4822 051 10223	22k 2% 0,25W
3050	4822 051 10123	12k 2% 0,25W
3099	4822 051 10101	100Ω 2% 0,25W
3099	4822 051 51201	120Ω 1% 0,125W

Jumpers

4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4052	4822 051 10008	0Ω 5% 0,25W
4053	4822 051 10008	0Ω 5% 0,25W
4054	4822 051 10008	0Ω 5% 0,25W
4055	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W
5000	4822 157 50975	1mH 10%
5001	4822 157 50975	1mH 10%
5002	4822 157 51235	4,7µH 10%
5003	4822 157 51235	4,7µH 10%

6000	4822 130 30621	1N4148
6005	4822 209 30911	OF4076
6006	5322 130 31684	BB809
6050	4822 130 80446	LL4148
7000	4822 209 30909	TDA8732/C1
7001	4822 209 30914	SAA7280/M3
7002	4822 209 83163	LM833N
7003	4822 209 83163	LM833N
7004	5322 209 10576	4053B
7007	4822 209 73236	TDA1543/N2
7008	5322 130 42755	BC847C
7009	4822 130 60887	BF840
7050	5322 130 42136	BC848C

Picture tube panel E

Various

1001	4822 212 23803	PTP Videocolor
1001	4822 212 30018	PTP Philips
	4822 255 70264	Picture tube socket Videocolor 36"
	4822 255 70267	Picture tube socket Philips 28" + 36"
	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 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
2703	4822 121 42068	33 nF 10% 400V
2704	4822 122 31746	1000pF 5% 50V
2705	4822 124 40196	220µF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 70093	33nF 5% 2KV
2708	5322 122 31842	330pF 5% 63V
2708	4822 122 31773	560pF 5% 50V
2709	4822 124 23494	10µF 20% 250V
2709	4822 124 80091	4,7µF 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	33 nF 10% 400V
2714	4822 122 31746	1000pF 5% 50V
2715	4822 121 42068	33 nF 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
2729	4822 121 41156	68nF 10% 250V
3700	4822 051 20222	2k2 5% 0,1W
3701	4822 052 11208	2Ω 5% 0,5W
3701	4822 052 11108	1Ω 5% 0,5W
3702	4822 051 10201	200Ω 2% 0,25W
3703	4822 052 11208	2Ω 5% 0,5W
3703	4822 052 11108	1Ω 5% 0,5W
3704	4822 051 10222	2k2 2% 0,25W
3705	4822 051 10242	2k4 2% 0,25W
3706	4822 050 21204	120k 1% 0,6W
3707	4822 051 10008	0Ω 5% 0,25W
3708	4822 111 50579	680Ω 10% 0,5W
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 111 50579	680Ω 10% 0,5W
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

Picture

3725	4
3726	4
3727	4
3728	4
3728	4
3730	4
3731	4
3732	4
3734	4
3735	4
3736	4
3737	4
3737	4
3738	4
3739	4
3740	4
3741	4
3742	4
3743	4
3744	4

Jumper

4701	4
4702	4
4703	4
4705	4
4706	4
4707	4
5700	4
5700	4
6700	4
6701	4
6702	4
6703	4
6707	4
6708	4
6709	4
6709	4
6710	4
6711	4
6712	4
7704	4
7705	4
7706	4
7707	4

Picture tube panel (continued)

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 051 10821	820Ω 2% 0,25W
3728	4822 111 50579	680Ω 10% 0,5W
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
3737	4822 051 10123	12k 2% 0,25W
3738	4822 053 12823	82k 5% 3W
3739	4822 101 11185	47k POTM.
3740	4822 050 21604	160k 1% 0,6W
3741	4822 051 10361	360Ω 2% 0,25W
3742	4822 051 10361	360Ω 2% 0,25W
3743	4822 051 10361	360Ω 2% 0,25W
3744	4822 052 10229	22Ω 5% 0,33W

Jumper

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4705	4822 051 10008	0Ω 5% 0,25W
4706	4822 051 10008	0Ω 5% 0,25W
4707	4822 051 10008	0Ω 5% 0,25W

5700	4822 157 63249	33μH 10%
5700	4822 153 20249	82μH 5%

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
6709	4822 130 82969	BZD23-C24
6710	4822 130 30842	BAV21
6711	4822 130 30842	BAV21
6712	4822 130 30842	BAV21

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

Scavem filter panel Y

1005	4822 212 30021	SCAVEM FILTER Philips 28"+36"
1005	4822 212 23819	SCAVEM FILTER Videocolor 36"
	4822 265 30351	5P male
	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 32442	10nF 50V
2824	4822 122 33496	100nF 10% 63V
2825	4822 124 40255	100μF 50% 63V
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 10102	1k 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

1002	4822 212 23804	SCAVEM-AMP Videocolor 36"
1002	4822 212 30019	SCAVEM-AMP" Philips 28"+36"
	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 126 11492	220nF 10% 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 40255	100μF 50% 63V
2871	4822 122 31768	180pF 5% 50V
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 10334	330k 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
3824	4822 051 10221	220Ω 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
3861	4822 051 10912	9k1 2% 0,25W
3870	4822 051 10822	8k2 2% 0,25W
3871	4822 051 10822	8k2 2% 0,25W

Jumper

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

Spare parts list / Stückliste / Liste des pièces

Scavem amplifier panel (continued) Y/C detector

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

Connectors

	4822 265 40503	5P female gold plated
	4822 265 30431	3P female gold plated

Various parts

1231	4822 242 80364	filter 4,43MHz

2225	4822 124 40196	220µF 20% 16V
2226	4822 122 32927	220nF
2228	4822 122 32927	220nF
2235	4822 122 31965	220pF 5% 63V
2236	4822 122 31772	47pF 5% 50V
2237	4822 122 32142	270pF 5% 63V
2238	4822 122 31768	180pF 5% 50V
2239	4822 122 31947	100nF 20% 63V
2244	4822 124 20722	1µF 10% 63V
2246	4822 122 31947	100nF 20% 63V
2247	4822 122 31766	120pF 5% 50V
2261	4822 124 20678	47µF 10% 10V
2262	4822 122 31808	150pF 10% 50V
2269	4822 124 20726	4,7µF 10% 63V

3200	4822 050 11002	1k 1% 0,4W
3201	4822 116 83006	2M7 5% 0,5W
3203	4822 051 10563	56k 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3212	4822 051 10751	750Ω 2% 0,25W
3213	4822 051 10008	0Ω 5% 0,25W
3213	4822 051 10153	15k 2% 0,25W
3214	4822 051 10153	15k 2% 0,25W
3221	4822 051 10472	4k7 2% 0,25W
3223	4822 116 52203	91Ω 5% 0,5W
3225	4822 116 52219	330Ω 5% 0,5W
3226	4822 116 52243	1k5 5% 0,5W
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 051 10102	1k 2% 0,25W
3231	4822 051 10681	680Ω 2% 0,25W
3236	4822 051 10331	330Ω 2% 0,25W
3250	4822 051 10151	150Ω 2% 0,25W
3258	4822 051 10102	1k 2% 0,25W
3272	4822 051 10471	470Ω 2% 0,25W
3278	4822 051 10472	4k7 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3282	4822 051 10103	10k 2% 0,25W
3283	4822 051 10472	4k7 2% 0,25W
3284	4822 051 10102	1k 2% 0,25W
3289	4822 051 10102	1k 2% 0,25W
3302	4822 051 10102	1k 2% 0,25W
3307	4822 051 10474	470k 2% 0,25W
3308	4822 051 10471	470Ω 2% 0,25W
3309	4822 051 10008	0Ω 5% 0,25W
3319	4822 051 10102	1k 2% 0,25W

5200	4822 157 62824	7,5µH
5201	4822 157 62824	7,5µH
5202	4822 157 60122	4,7µH 10%

6258	4822 130 80905	LLZ-F5V1

7226	5322 130 41983	BC858B
7228	5322 130 41982	BC848B
7262	5322 130 41983	BC858B
7263	5322 130 41982	BC848B
7264	4822 130 42353	BFS19
7266	5322 130 42136	BC848C
7267	4822 130 42513	BC858C
7274	5322 130 42136	BC848C
7275	4822 130 42513	BC858C
7276	5322 130 41983	BC858B
7277	5322 130 41982	BC848B
7278	5322 130 41982	BC848B

Technical Specifications SAT box

GENERAL:

Power supply voltage SAT box	: 285-300V DC (from FL1 LSP)
Power supply voltage interface	: +13, +5, -8V (from FL1 SSP)

SATELLITE FRONT-END

Antenna input impedance	: 75Ω (coax)
Frequency range	: 950-1750MHz (SF 914)
Minimum antenna input voltage	: 158μV
Maximum antenna input voltage	: 8.9mV
LNC power supply	: 0.14 or 18V, max. 350mA
Satellite transmission systems	: D2-MAC and PAL/SECAM

D2-MAC:

Audio:

Stereo mixed mode is possible	: 1 of 2 possibilities
Stereo mixed mode is possible	: 1 of 8 possibilities

If a radio channel is chosen, the video signal can (if required) be blanked.
Headphone sound is independent of "head" sound selected.

Descrambling:
Eurocrypt M and optional Eurocrypt S

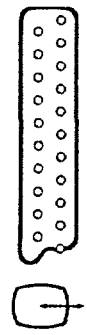
Conversion 16:9 and 4:3 aspect ratio:
Conversion is possible, using the "panning" vector.

PAL
Audio:

MONO audio carriers	: 6.50MHz; 6.60MHz; 6,65MHz 50μs de-emphasis. Telecom sound is optional.
STEREO audio carriers	: stereo 1: 7.02MHz + 7.20MHz
	stereo 2: 7.38MHz + 7.56MHz
	stereo 3: 7.74MHz + 7.92MHz

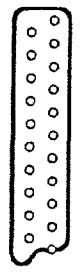
LANGUAGE SELECTION: All the preceding sound carriers
BLANKING VIDEO: If a radio channel is chosen, the video signal can be blanked (if required).

SCAR



Connection facilities

SCART DECODER/DESCRAMBLER

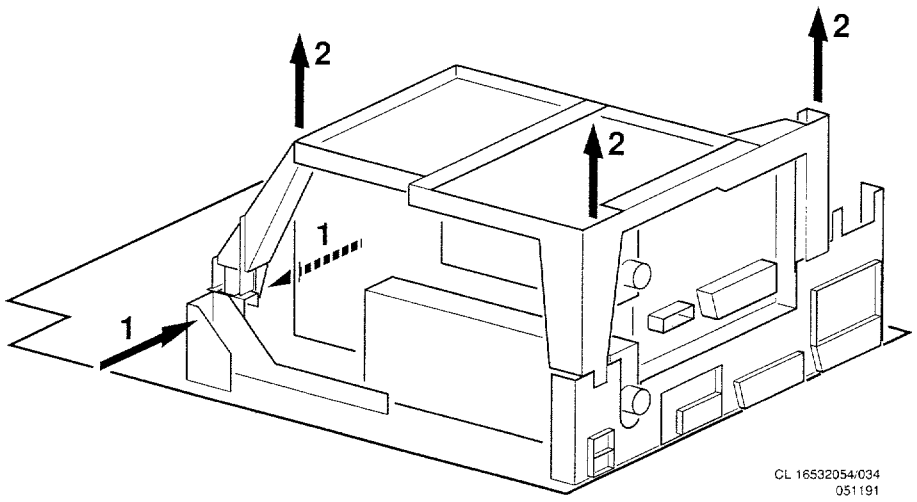


1 - Audio R ($0.5V_{RMS} \leq 1k\Omega$)
2 - Audio R ($0.2 - 2V_{RMS} \geq 10k\Omega$)
3 - Audio L ($0.5V_{RMS} \leq 1k\Omega$)
4 - Audio ⊥
5 - Blue ⊥
6 - Audio L ($0.2 - 2V_{RMS} \geq 10k\Omega$)
7 - Blue (NC)
8 - HD status 0 - 2V: Low level ($\geq 10k\Omega$)
9.5 - 12V: High level
9 - Green ⊥
10 - -
11 - Green (NC)
12 - V - sync (NC)
13 - Red ⊥
14 - -
15 - Red (NC)
16 - H - sync (NC)
17 - Base band signal ⊥
18 - Base band signal ⊥
19 - Base band signal ($1V_{pp}/75\Omega$)
20 - Base band signal ($1V_{pp}/75\Omega$)
21 - Earth screen

Polariser connection:
1 - Earth
2 - Skew pulse (Pulse polariser)
3 - +80mA to -40mA current source Rload $\leq 90\Omega$
4 - 5V6

Digital bus connector for the connection of Smart Card Reader SCC409.

Mechanical instructions SAT box
Mechanische Anweisungen SAT box
Instructions d'ordre mecánique SAT box



Block diagram Blockschaltbild

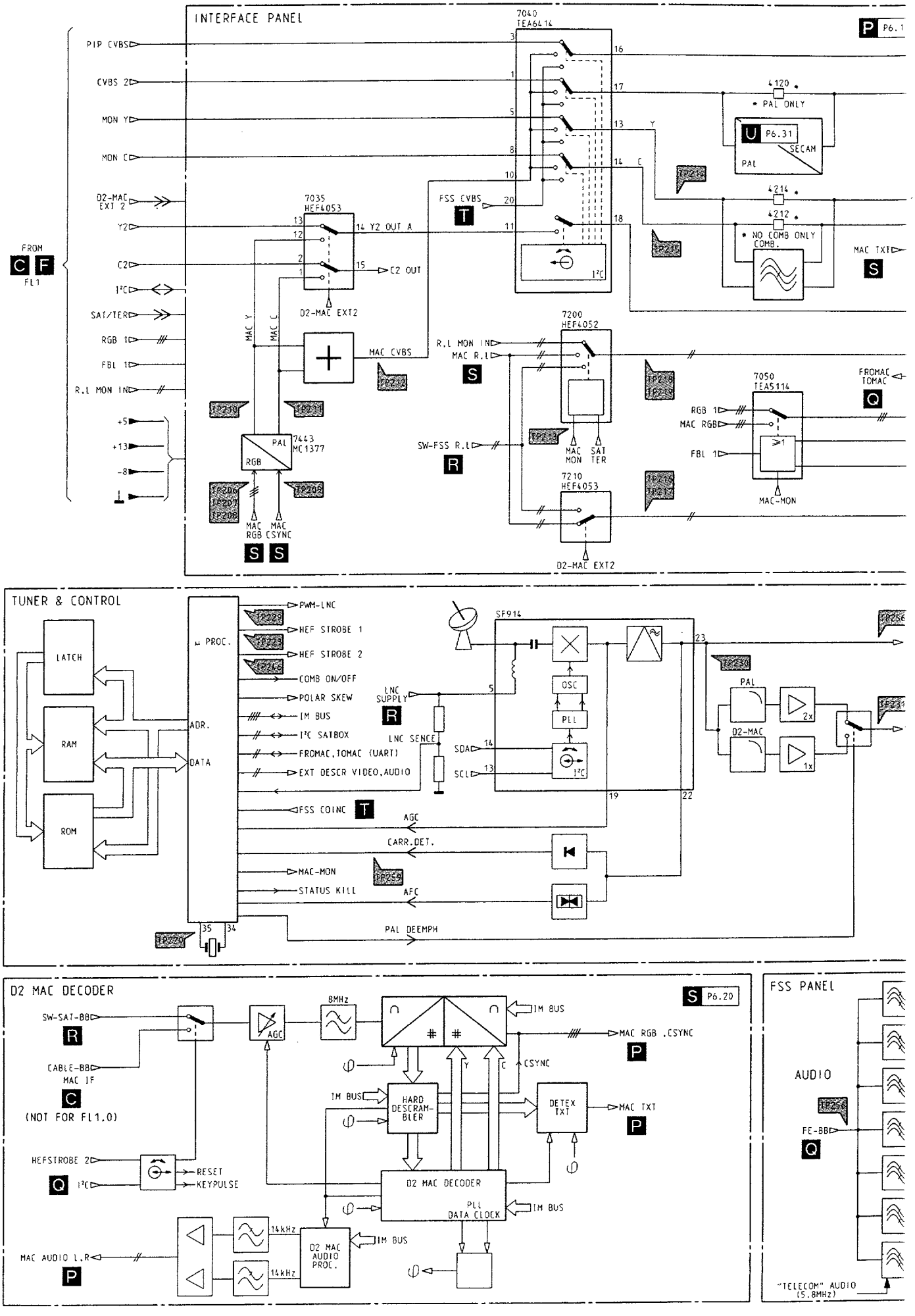
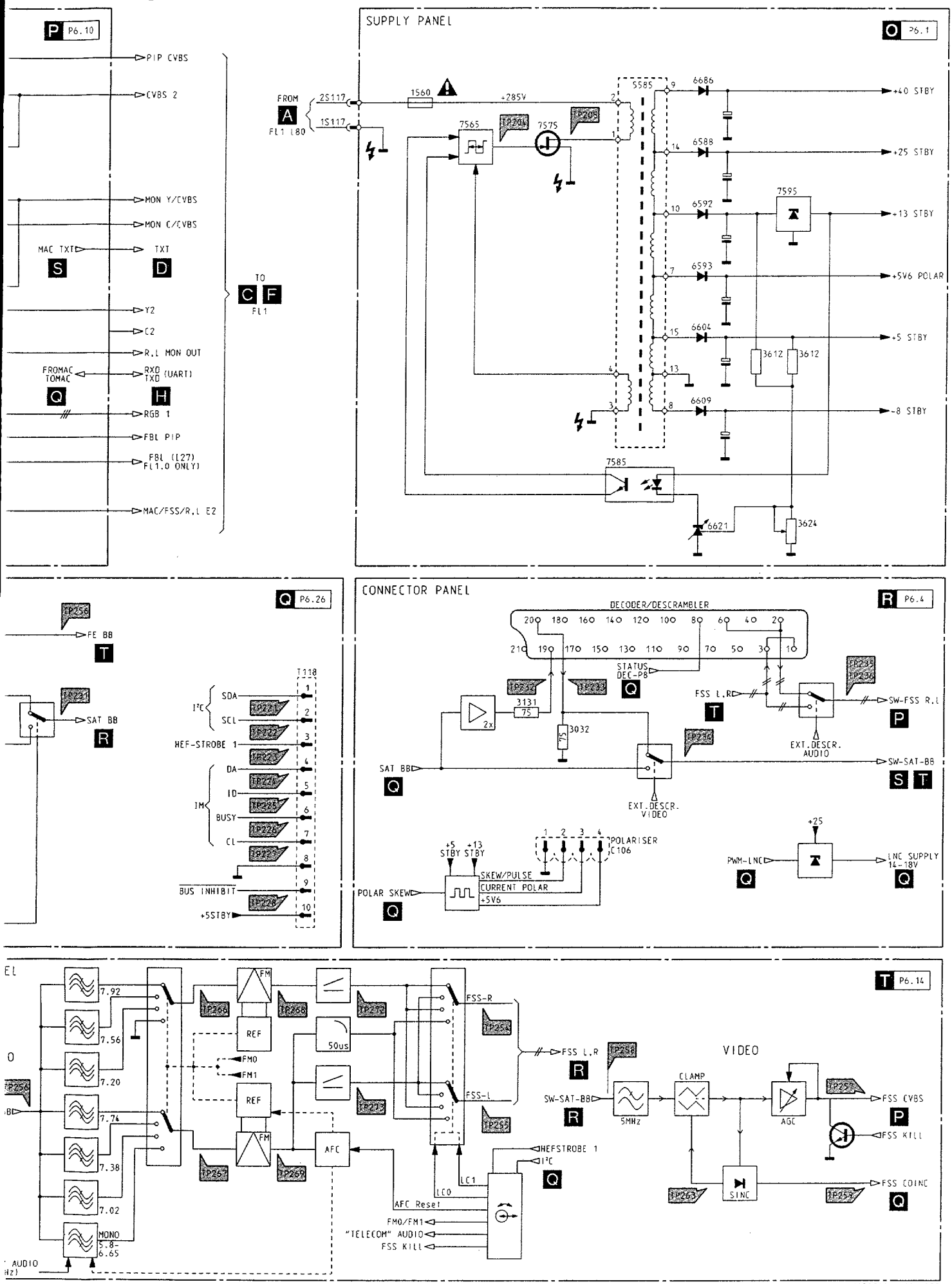
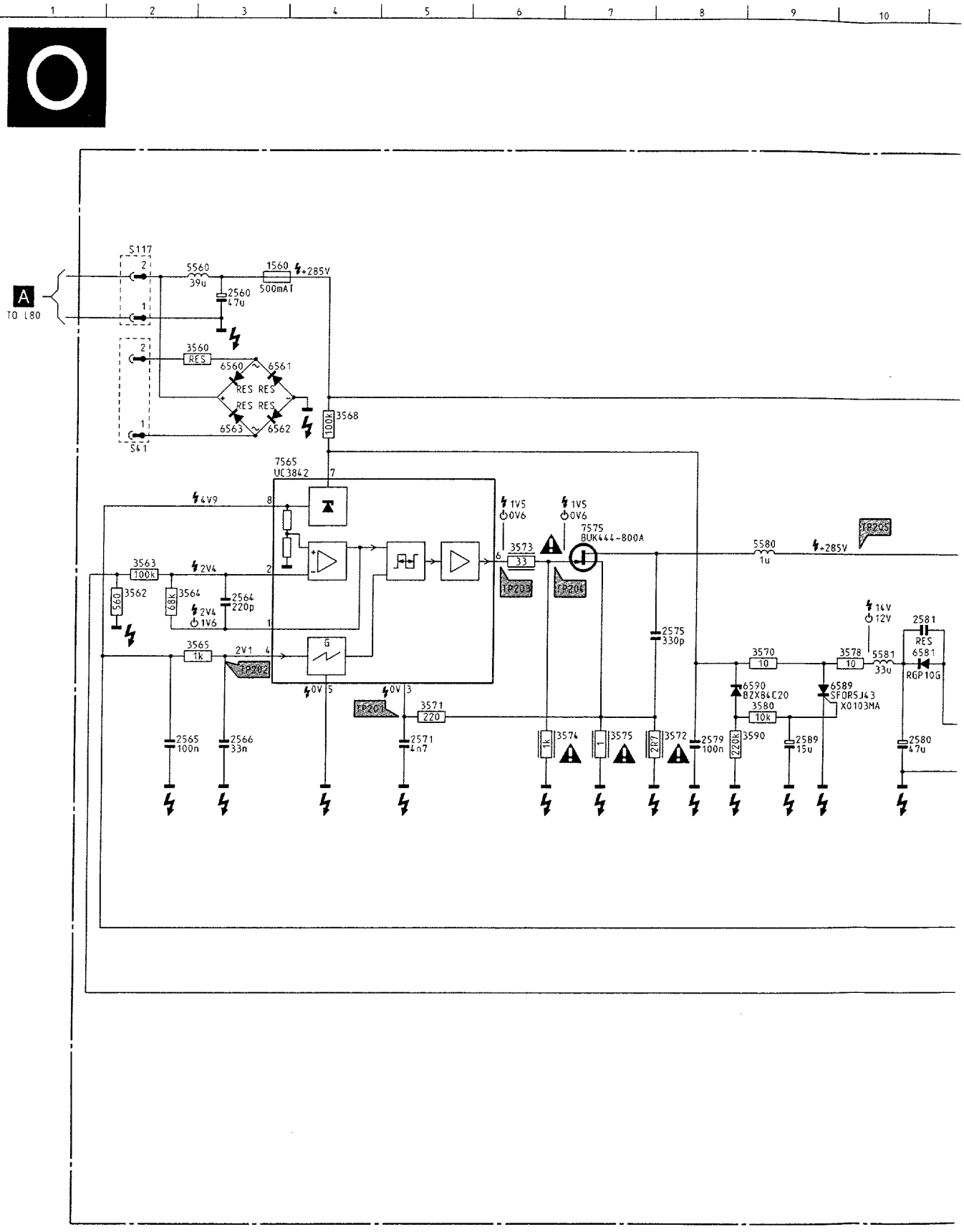


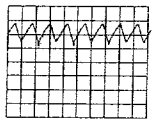
Diagramme schématique



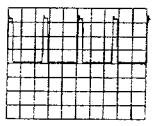
Power Supply Stromversorgung



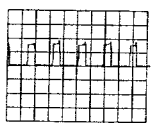
TP 201
0,2 V/div DC
20 µs/div



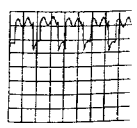
TP 202
1 V/div DC
20 µs/div



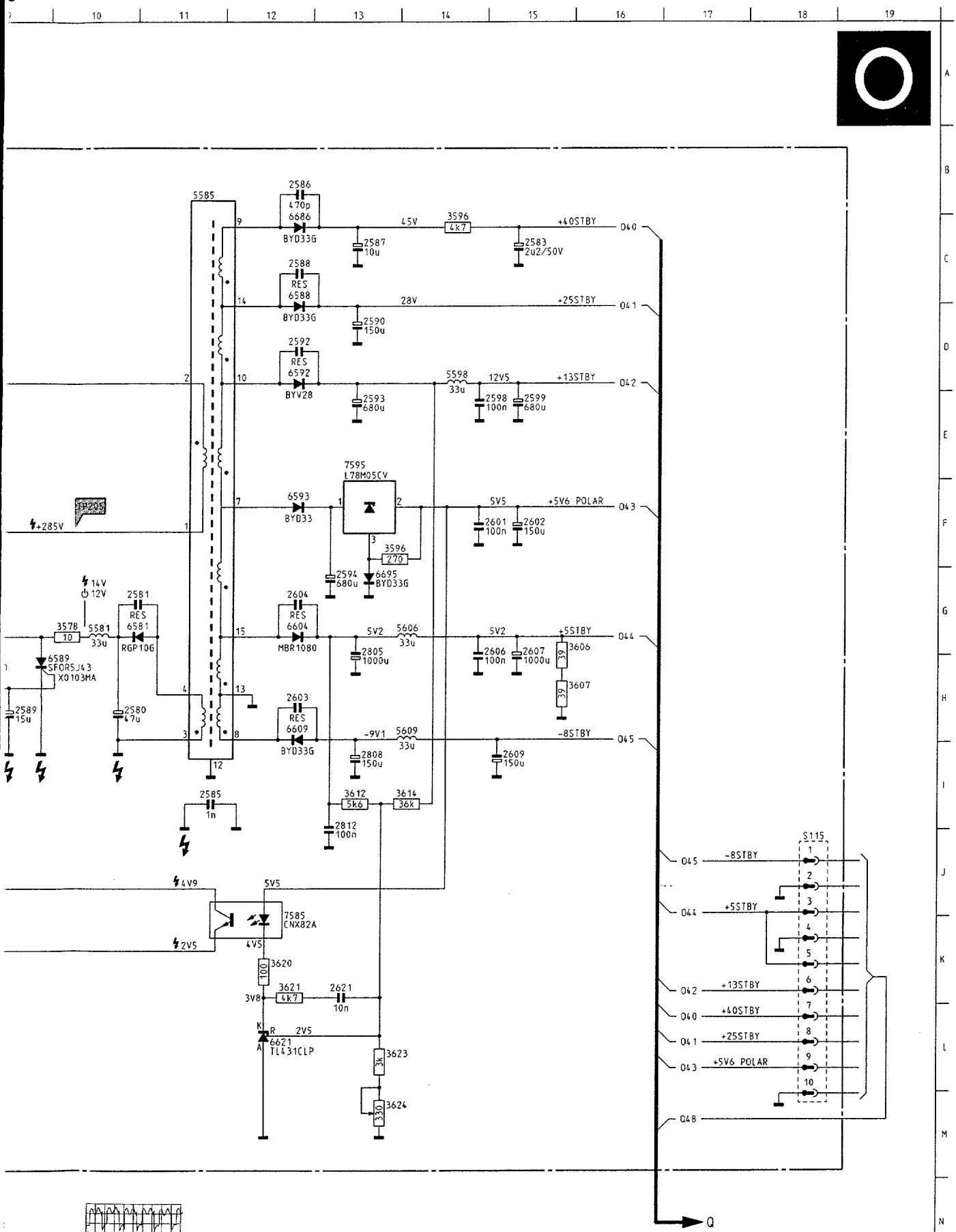
TP 203
5 V/div DC
10 µS/div



TP 204
5 V/div DC
10 µS/div



TP 205
100 V/div D
1.25 ms/div

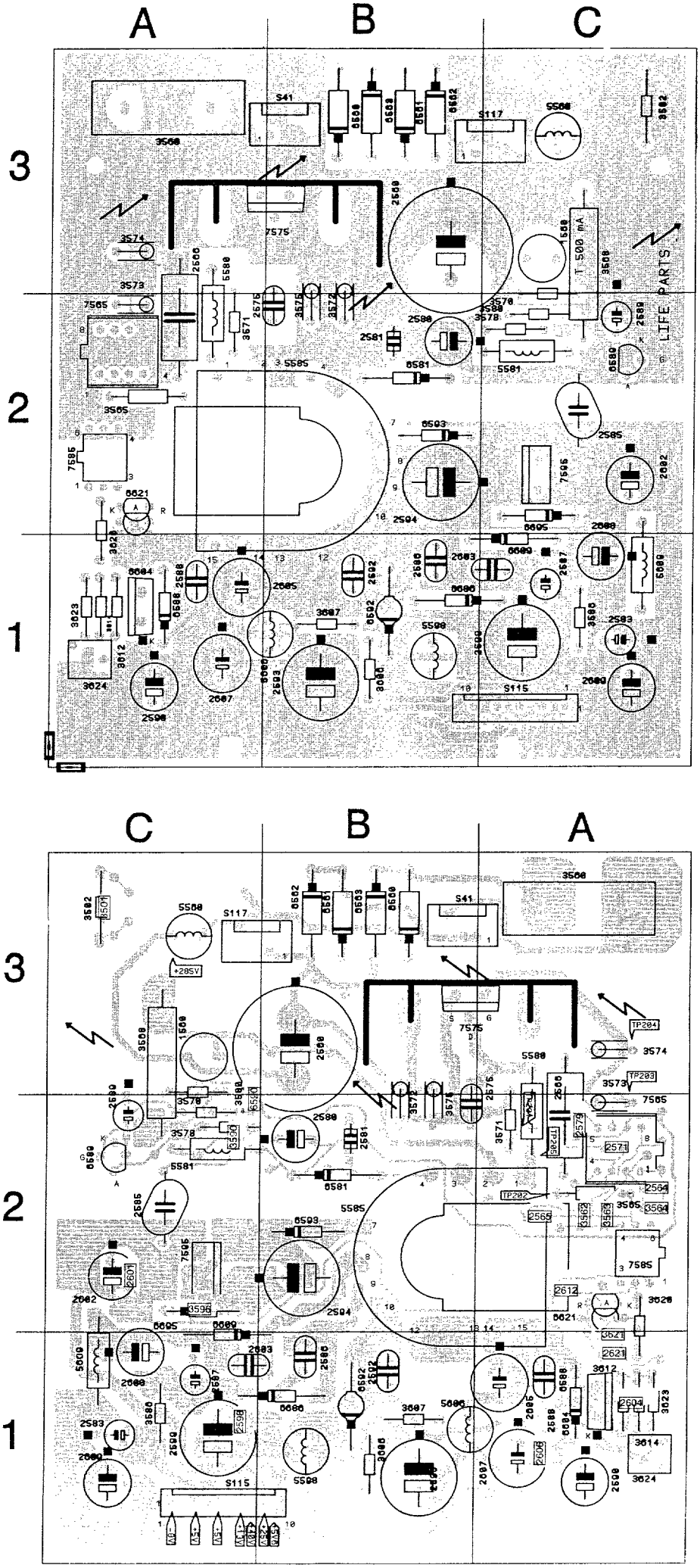


TP 205
100 V/div DC
1.25 ms/div

1560 C 3
2560 C 3
2564 G 3
2565 H 2
2566 H 3
2571 H 5
2575 G 8
2579 H 8
2580 H10
2581 G11
2583 C15
2585 I 11
2586 B12
2587 C13
2588 C12
2589 H 9
2590 D13
2592 D12
2593 E13
2594 G13
2598 E14
2599 E15
2601 F14
2602 F15
2603 H12
2604 G12
2606 H14
2607 H15
2609 I 15
2621 K13
2805 H13
2808 I 13
2812 I 13
3560 D 3
3562 F 2
3563 F 2
3564 F 2
3565 G 3
3568 E 4
3570 G 9
3571 H 5
3572 H 8
3573 F 6
3574 H 6
3575 H 7
3578 G10
3580 H 9
3590 H 9
3596 F13
3596 C14
3606 G15
3607 H15
3612 I 13
3614 I 14
3620 K12
3621 K12
3623 L13
3624 M13
5560 C 3
5580 F 9
5581 G10
5585 B11
5598 D14
5606 G14
5609 H14
6560 D 3
6561 D 3
6562 E 3
6563 E 3
6581 G11
6588 C12
6589 H 9
6590 H 9
6592 D12
6593 F12
6604 G12
6609 H12
6621 L12
6686 C12
6695 G13
7565 E 3
7575 F 7
7585 K12
7595 E13

CHASSIS FL1

CL16532054/011.OREF
130392



C 3
C 3
G 3
H 2
H 3
H 5
G 8
H 8
H10
G11
C15
I11
B12
C13
C12
H 9
D13
D12
E13
G13
E14
E15
F14
F15
H12
G12
H14
H15
I15
K13
H13
I13
I13
D 3
F 2
F 2
F 2
G 3
E 4
G 9
H 5
H 8
F 6
H 6
H 7
G10
H 9
H 9
F13
C14
G15
H15
I13
I14
K12
K12
L13
M13
C 3
F 9
G10
B11
O14
G14
H14
D 3
D 3
E 3
E 3
G11
C12
H 9
H 9
D12
F12
G12
H12
L12
C12
G13
E 3
F 7
K12
E13

S41 B3
S115 C1
S117 C3
1560 C3
2560 B3
2564 A2
2565 A2
2566 A2
2571 A2
2575 B2
2579 A2
2580 B2
2581 B2
2583 C1
2586 B1
2587 C1
2588 A1
2589 C2
2590 A1
2592 B1
2593 B1
2594 B2
2598 C1
2599 C1
2601 C2
2602 C2
2603 C1
2604 A1
2605 A1
2606 A1
2607 A1
2608 C1
2609 C1
2612 A2
2621 A1
3501 C3
3502 C3
3560 A3
3562 A2
3563 A2
3564 A2
3565 A2
3568 C3
3570 C2
3571 A2
3572 B2
3573 A2
3574 A3
3575 B2
3578 C2
3580 C2
3586 C1
3590 C2
3596 C2
3606 B1
3607 B1
3612 A1
3614 A1
3620 A1
3621 A1
3623 A1
3624 A1
5560 C3
5580 A2
5581 C2
5585 B2
5598 B1
6606 B1
6609 C1
6560 B3
6561 B3
6562 B3
6563 B3
6581 B2
6588 A1
6589 C2
6590 C2
6592 B1
6593 B2
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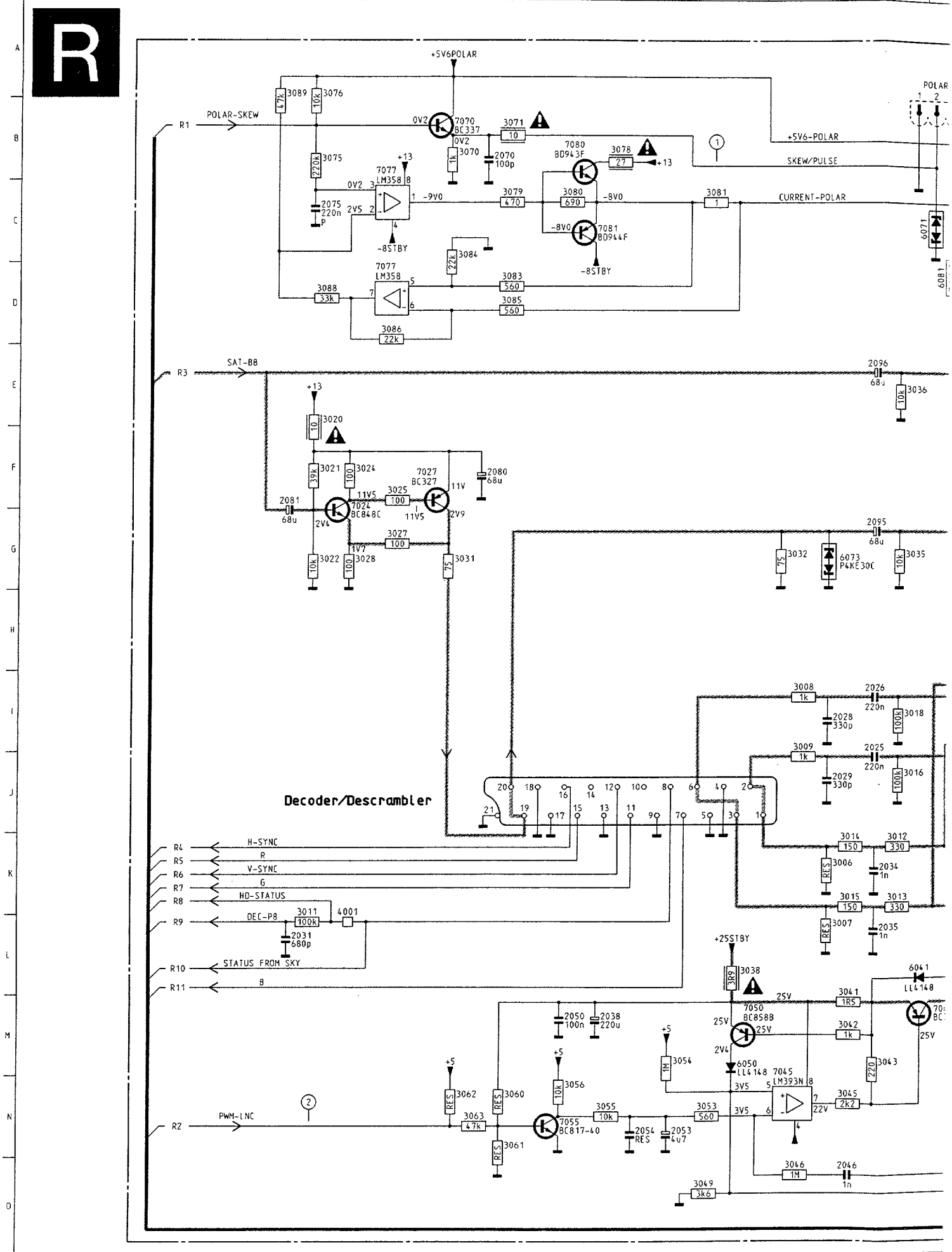
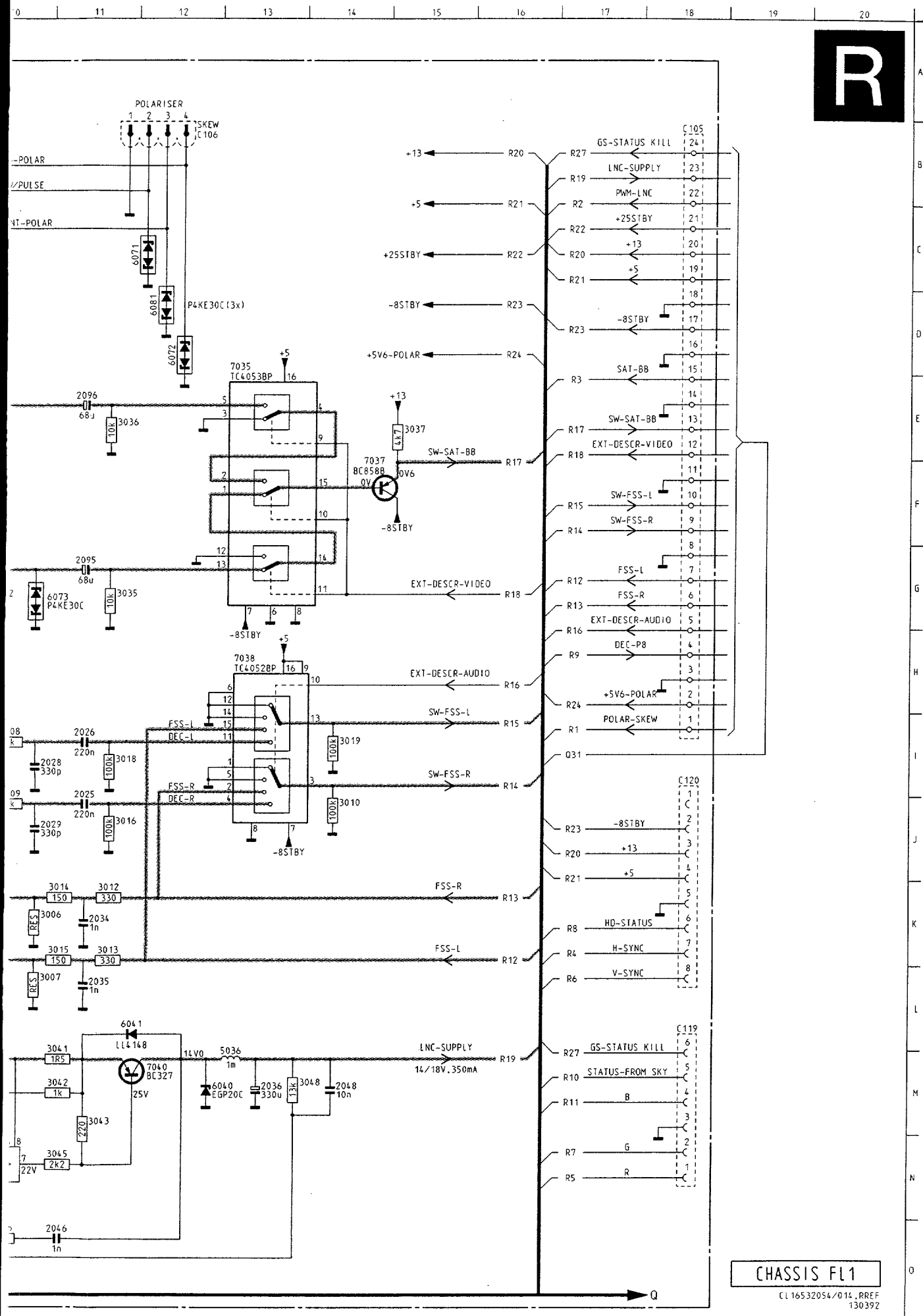
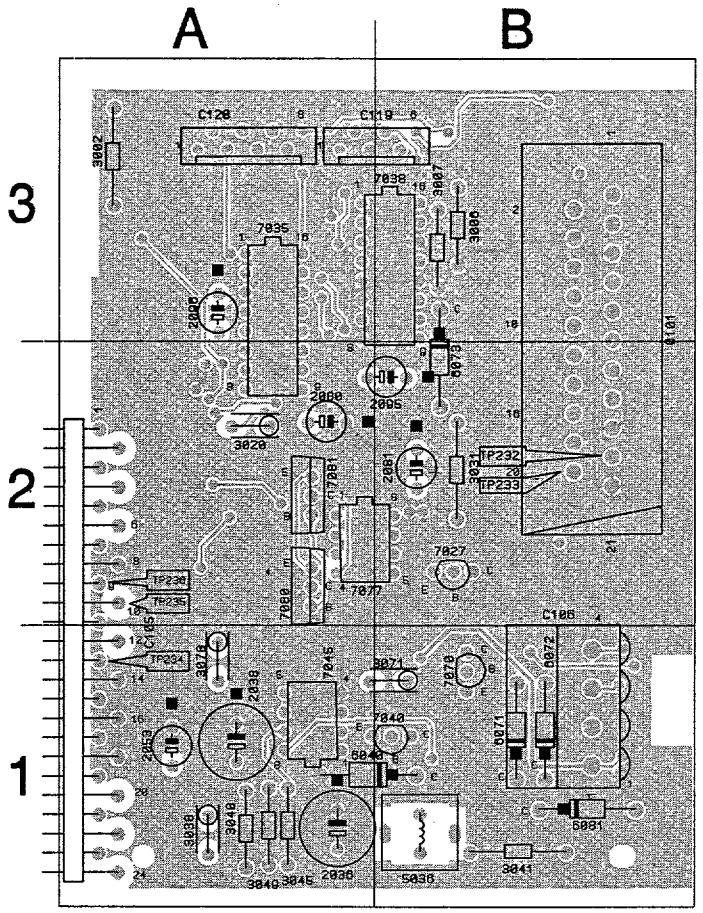
6609 C1
6621 A2
6686 B1
6695 C2
7565 A2
7575 B3
7585 A2
7595 C2

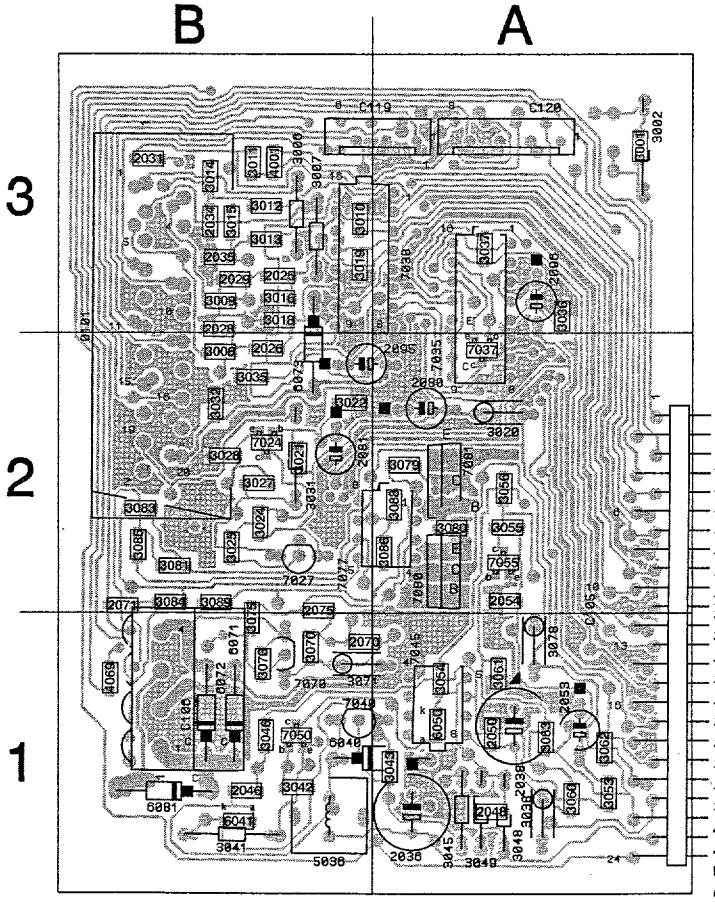

R
+5V6POLAR
POLAR
POLAR-SKEW
R1
+5V6-POLAR
SKEW/PULSE
CURRENT-POLAR
-8STBY
SAT-BB
R3
Decoder/Descrambler
H-SYNC
R
V-SYNC
G
HD-STATUS
DEC-P8
STATUS FROM SKY
B
R4
R5
R6
R7
R8
R9
R10
R11
+25STBY
PWM-LNC
R2
7070 BC337
7080 BD943F
7081 BD944F
7077 LM358
7027 BC327
7024 BC848C
7050 BC858B
7055 BC817-40
7045 LM393N
6050 LL4148
6041 LL4148
6073 P4KE30C
4001

Branchement / LNC / Polariseur



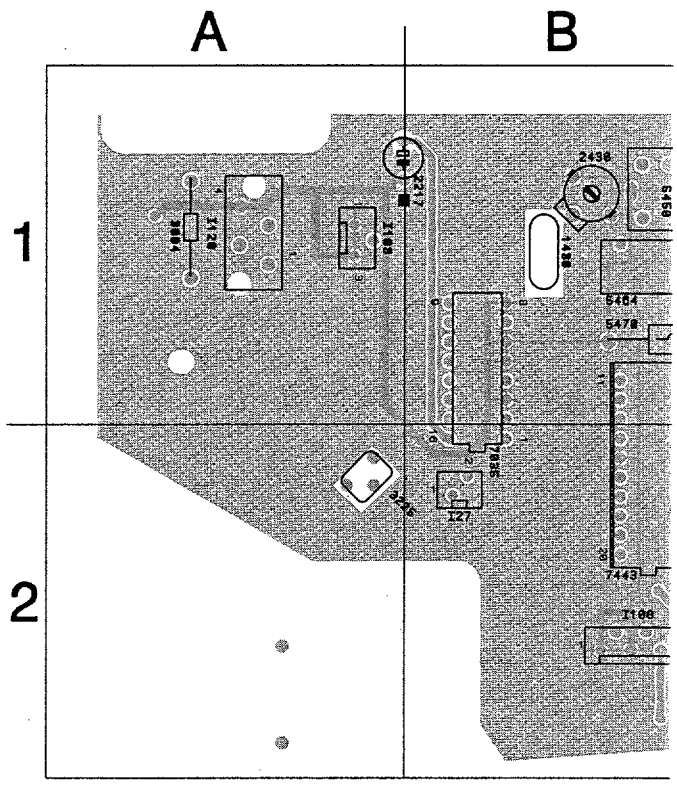


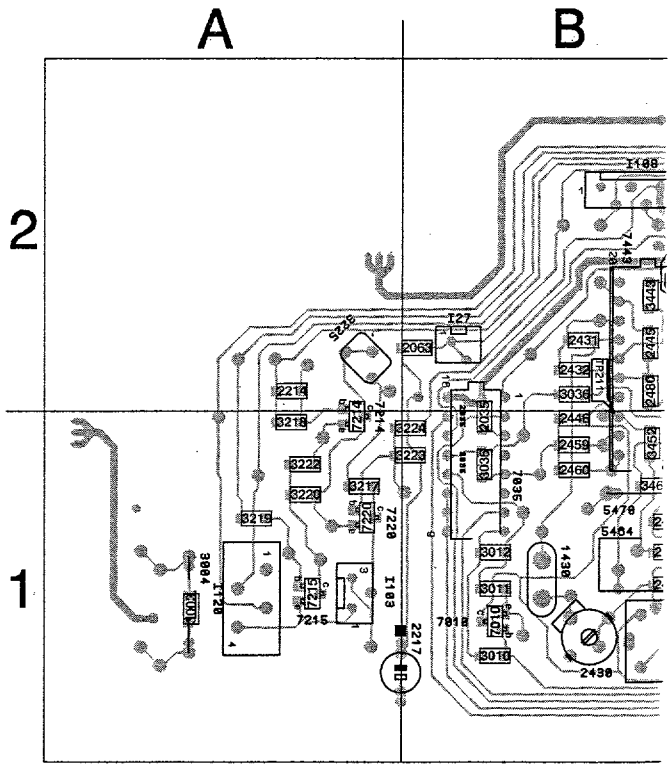
C105 A1
C106 B1
C119 A3
C120 A3
0101 B3
2025 B3
2026 B2
2028 B2
2029 B3
2031 B3
2034 B3
2035 B3
2036 A1
2038 A1
2046 B1
2048 A1
2050 A1
2053 A1
2054 A2
2070 A1
2071 B2
2075 B1
2080 A2
2081 B2
2095 A2
2096 A3
3001 A3
3002 A3
3006 B3
3007 B3
3008 B2
3009 B3
3010 B3
3011 B3
3012 B3
3013 B3
3014 B3
3015 B3
3016 B3
3018 B3
3019 B3
3020 A2
3021 B2
3022 B2
3024 B2
3025 B2
3027 B2
3028 B2
3031 B2
3032 B2
3035 B2
3036 A3
3037 A3
3038 A1
3041 B1
3042 B1
3043 A1
3045 A1
3046 B1
3048 A1
3049 A1
3053 A1
3054 A1
3055 A2
3056 A2
3060 A1
3061 A1
3062 A1
3063 A1
3070 B1
3071 A1
3076 B1
3076 B1
3078 A1
3079 A2
3080 A2
3081 B2
3083 B2
3084 B2
3085 B2
3086 A2
3088 A2
3089 B2
4001 B3
4069 B1
5036 B1
6040 A1
6041 B1
6050 A1
6071 B1
6072 B1
6073 B2
6081 B1
7024 B2
7027 B2
7035 A3
7037 A2
7038 A3
7040 A1
7045 A1
7050 B1
7055 A2
7070 B1
7077 A2
7080 A2
7081 A2

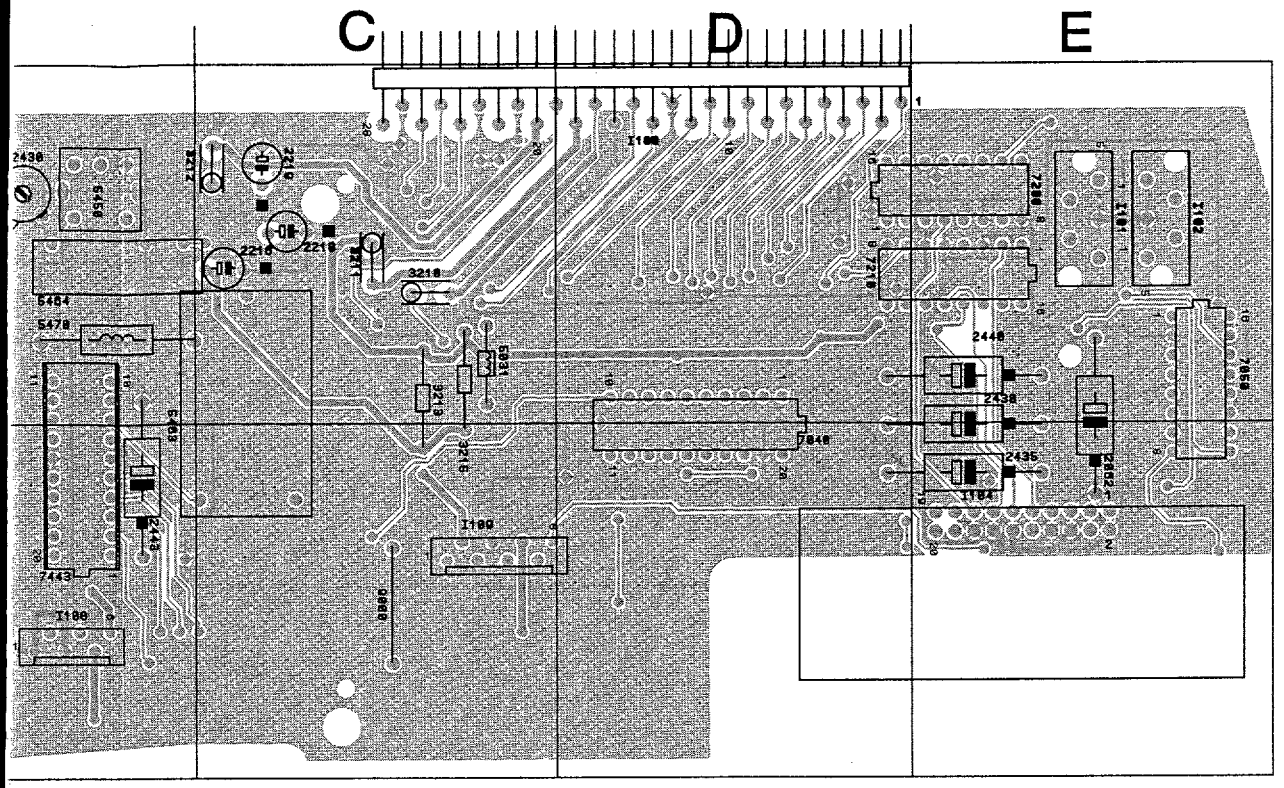


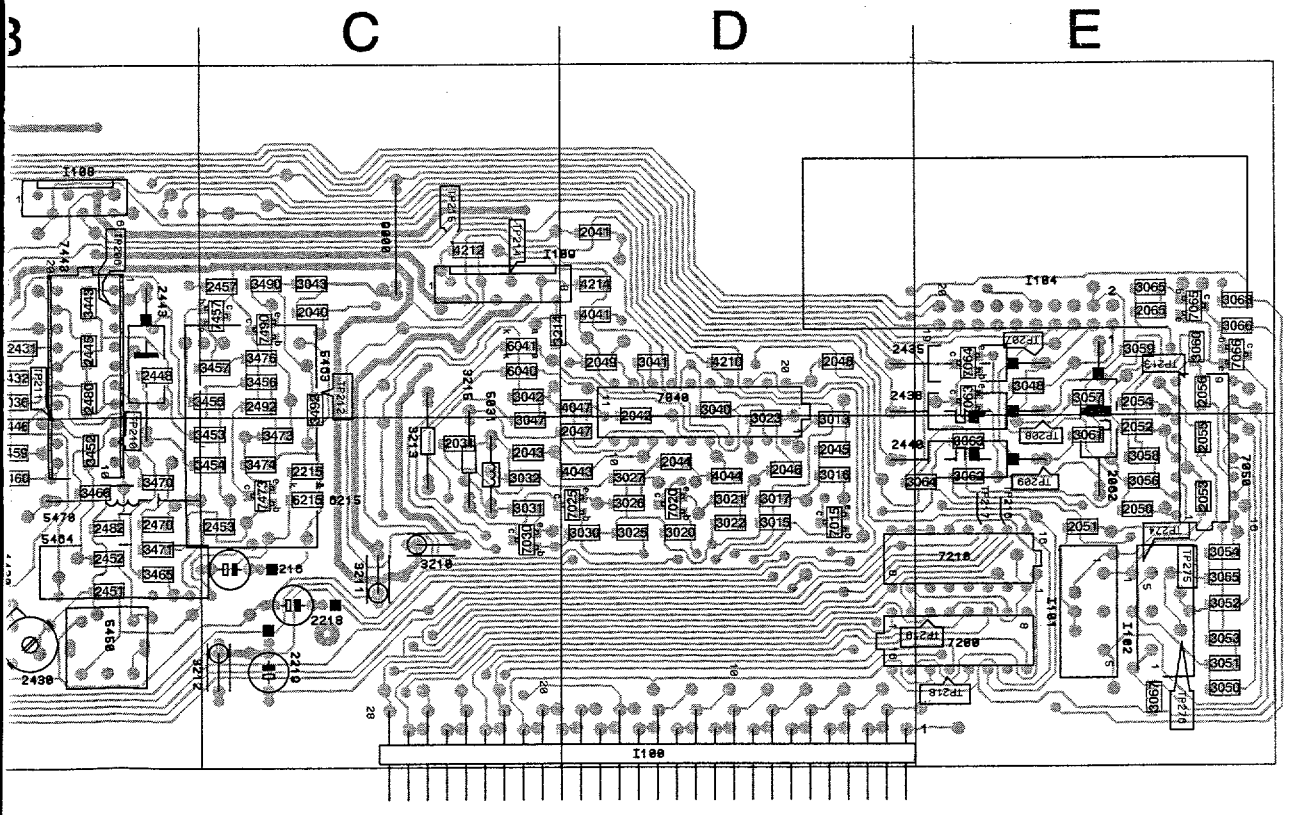
6.7 FL1 SAT box

Interface panel
Interface Platine
Platine interface



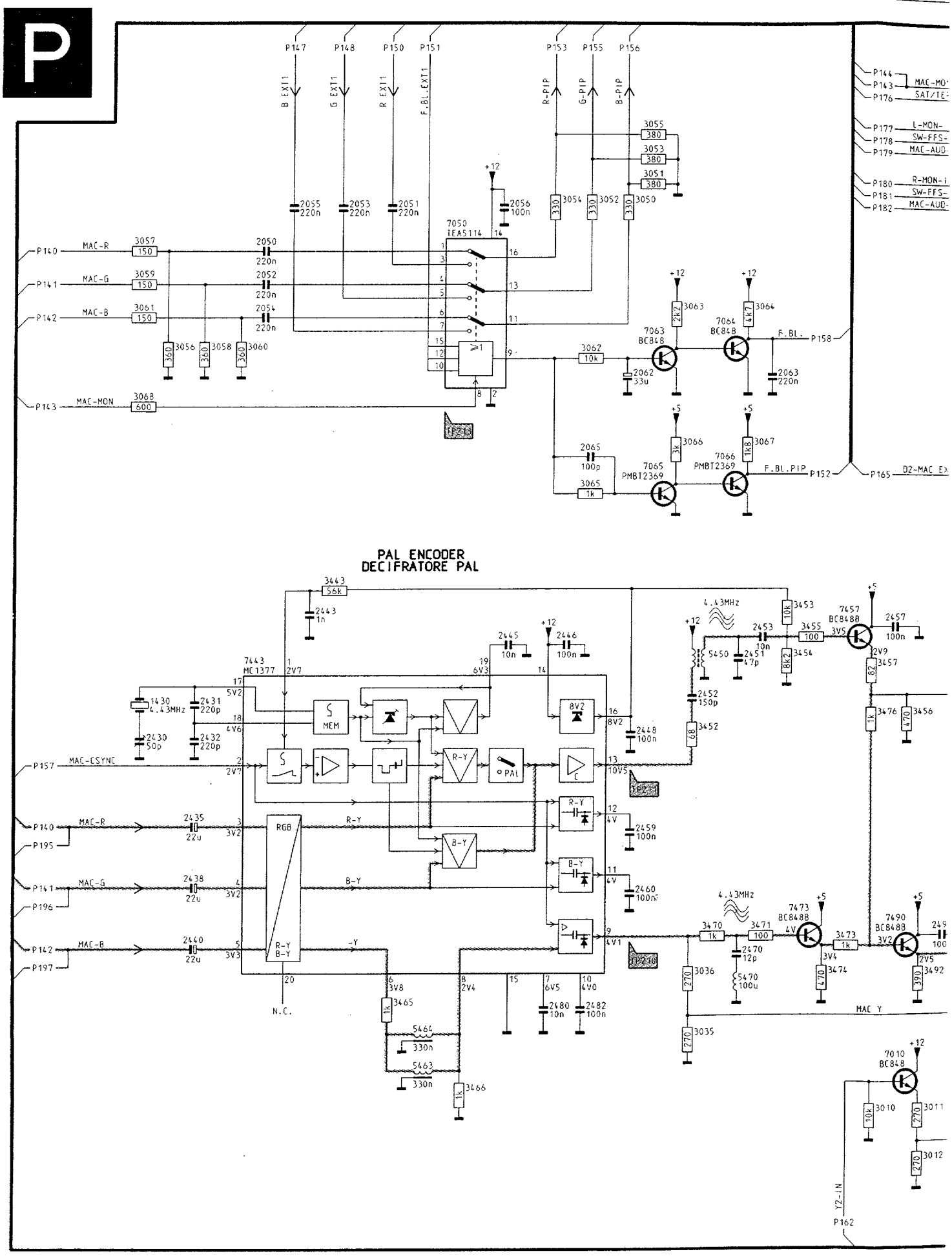


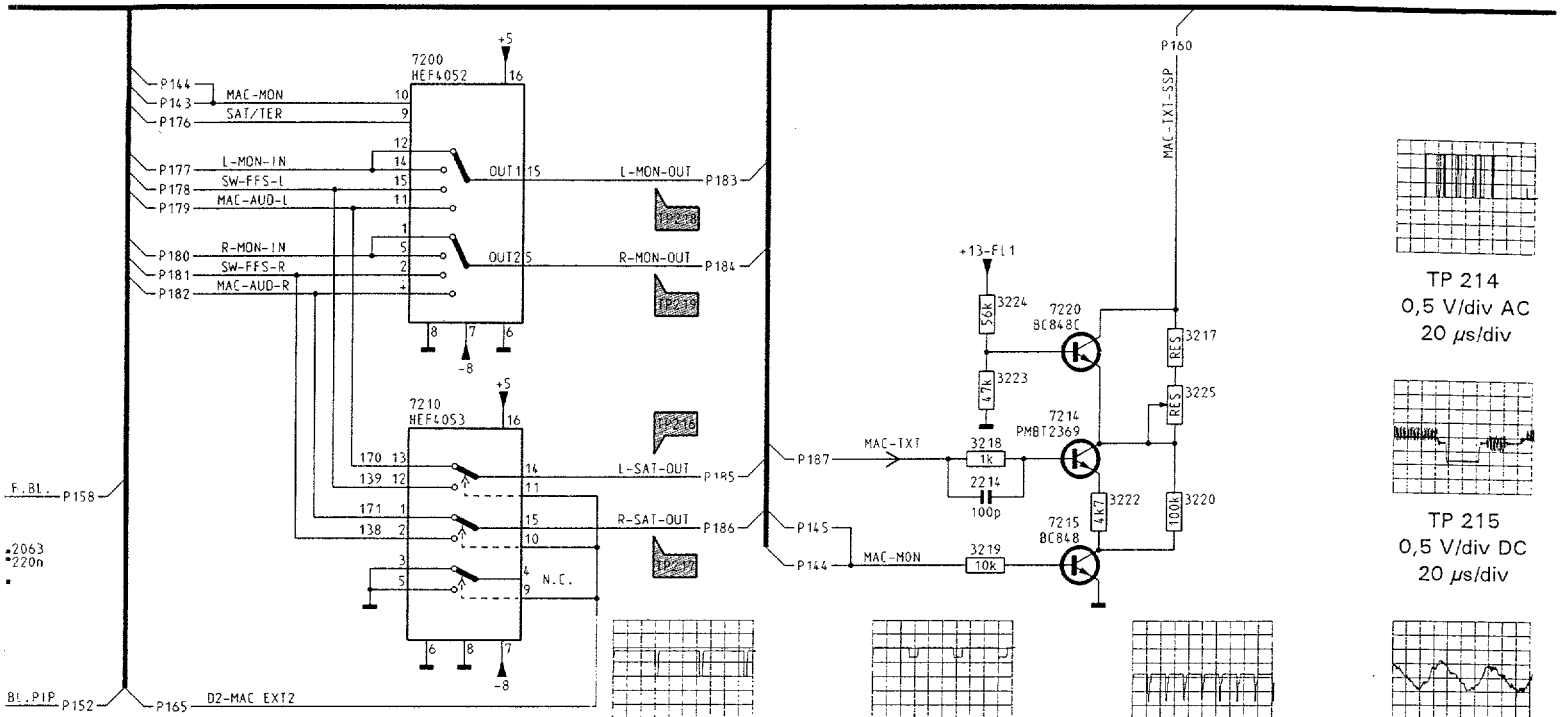




I27 B1	3050 F1
I100 D1	3051 F1
I101 E1	3052 F1
I102 E1	3053 F1
I103 A1	3054 F1
I104 E2	3055 F1
I108 B2	3056 E1
I109 C2	3057 E1
I120 A1	3058 E1
1430 B1	3059 E1
2031 C1	3060 E1
2035 B1	3061 E1
2040 C2	3062 E1
2041 D2	3063 E1
2042 D1	3064 E1
2043 D1	3065 E2
2044 D1	3066 F2
2045 D1	3067 E1
2046 D1	3068 F2
2047 D1	3210 C1
2048 D1	3211 C1
2049 D1	3212 C1
2050 E1	3213 C1
2051 E1	3214 D2
2052 E1	3215 C1
2053 E1	3217 A1
2054 E1	3218 A1
2055 E1	3219 A1
2056 E1	3220 A1
2062 E1	3222 A1
2063 B1	3223 B1
2065 E2	3224 B1
2214 A1	3225 A1
2215 C1	3443 B2
2216 C1	3452 B1
2217 B1	3453 C1
2218 C1	3454 C1
2219 C1	3455 C1
2430 B1	3456 C1
2431 B1	3457 C1
2432 B1	3465 B1
2435 E1	3466 B1
2438 E1	3470 B1
2440 E1	3471 B1
2443 B1	3473 C1
2445 B1	3474 C1
2446 B1	3476 C1
2448 B1	3490 C2
2451 B1	3492 C1
2452 B1	4041 D2
2453 C1	4043 D1
2457 C2	4044 D1
2459 B1	4047 D1
2460 B1	4210 D1
2470 B1	4212 C2
2480 B1	4214 D2
2482 B1	5031 C1
2492 C1	5450 B1
3001 A2	5463 C1
3002 A2	5464 B1
3003 A1	5470 B1
3004 A1	6040 C1
3010 B1	6041 C1
3011 B1	6215 C1
3012 B1	7010 B1
3013 D1	7015 D1
3015 D1	7020 D1
3016 D1	7025 D1
3017 D1	7030 D1
3020 D1	7035 B1
3021 D1	7040 D1
3022 D1	7050 E1
3023 D1	7063 E1
3025 D1	7064 E1
3026 D1	7065 E2
3027 D1	7066 F1
3030 D1	7200 E1
3031 D1	7210 E1
3032 D1	7214 A1
3035 B1	7215 A1
3036 B1	7220 A1
3040 D1	7443 B1
3041 D1	7457 C2
3042 D1	7473 C1
3043 C2	7490 C2
3047 D1	9000 C2
3048 E1	

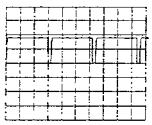
P


PAL ENCODER
DECIFRATORE PAL
P147
P148
P150
P151
P153
P155
P156
B EXT
G EXT
R EXT
F.BL.EXT
R-PIP
G-PIP
B-PIP
P140 MAC-R
P141 MAC-G
P142 MAC-B
P143 MAC-MON
P157 MAC-CSYNC
P195
P196
P197
7050 TEA5114
7443 MC1377
7063 BC848
7064 BC848
7065 PMBT2369
7066 PMBT2369
7457 BC848
7473 BC848
7490 BC848
7010 BC848
F.BL.
F.BL.PIP
P158
P152
P165 D2-MAC EX
P144
P143 MAC-MO
P176 SAT/TE
P177 L-MON-
P178 SW-FFS-
P179 MAC-AUD
P180 R-MON-i
P181 SW-FFS-
P182 MAC-AUD-
4.43MHz
MAC Y
Y2-IN
P162
N.C.

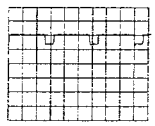


TP 214
0,5 V/div AC
20 µs/div

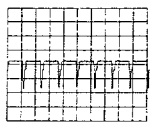
TP 215
0,5 V/div DC
20 µs/div



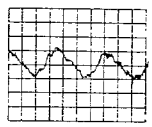
TP 206
1 V/div DC
20 µS/div



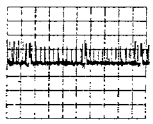
TP 208
2 V/div DC
20 µs/div



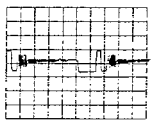
TP 210
0,5 V/div AC
20 µs/div



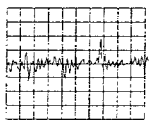
TP 216
0,5 V/div DC
1,25 µs/div



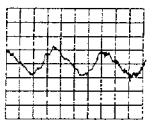
TP 207
1 V/div DC
25 µs/div



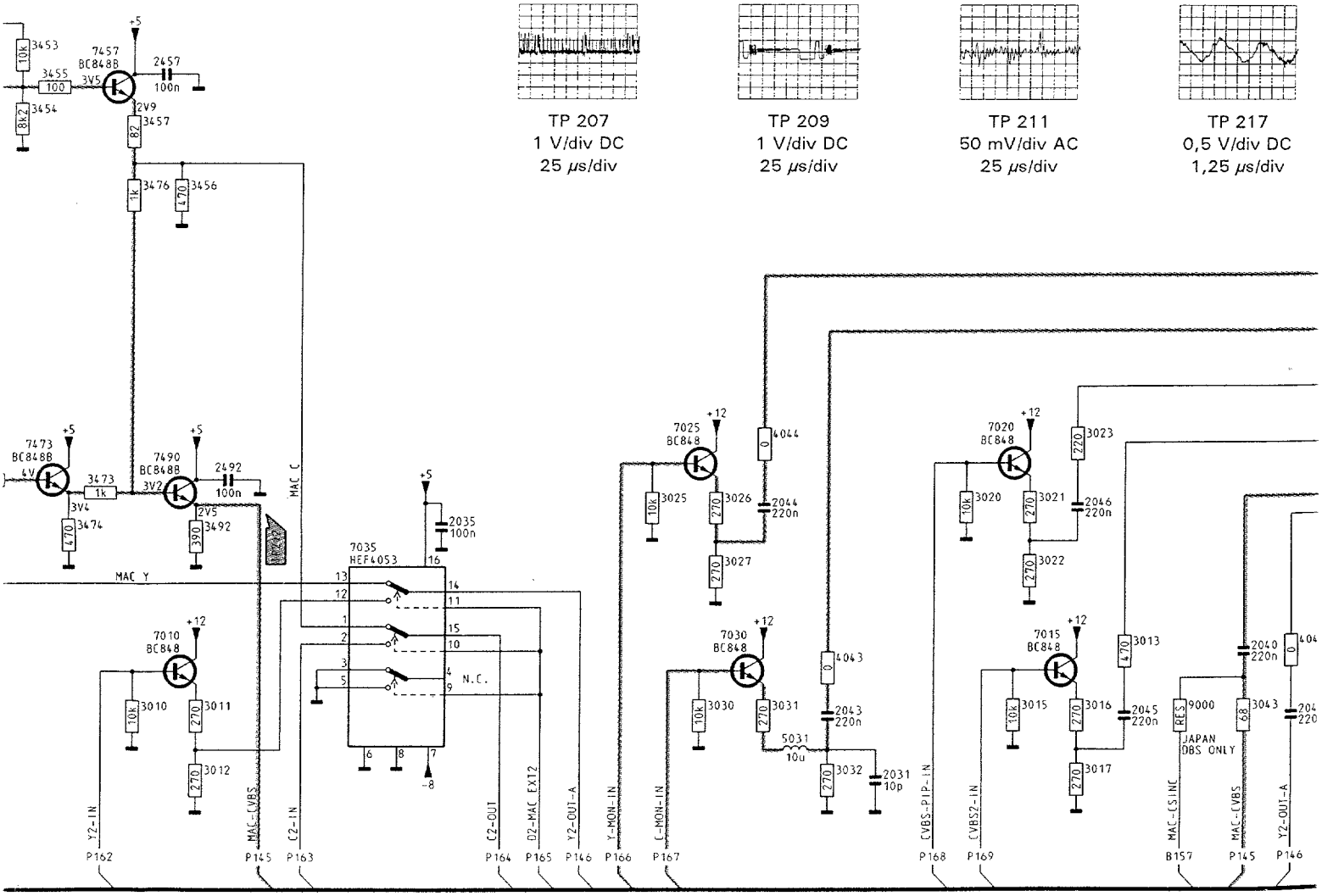
TP 209
1 V/div DC
25 µs/div



TP 211
50 mV/div AC
25 µs/div



TP 217
0,5 V/div DC
1,25 µs/div



14
iv AC
:/div

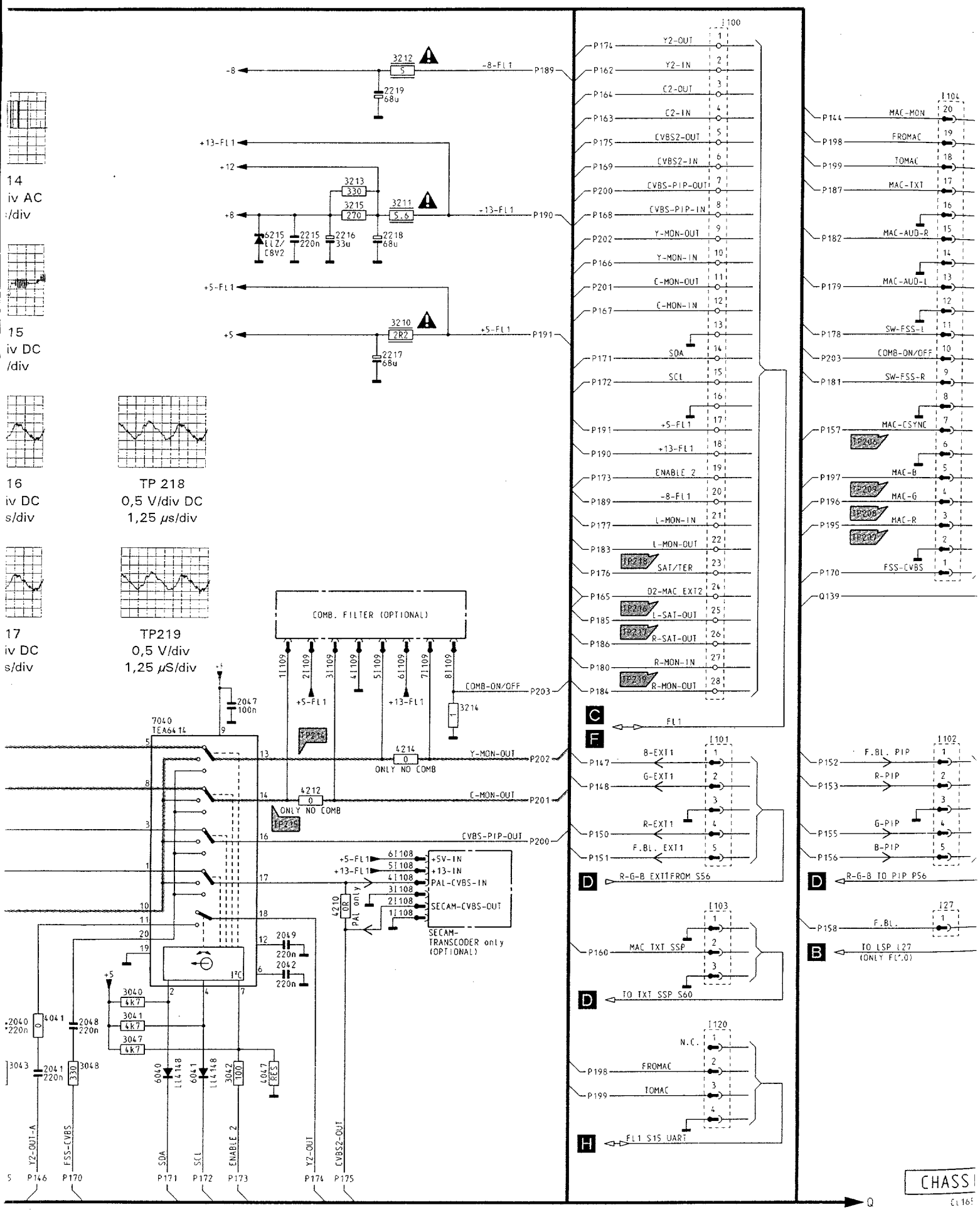
15
iv DC
/div

16
iv DC
s/div

TP 218
0,5 V/div DC
1,25 µs/div

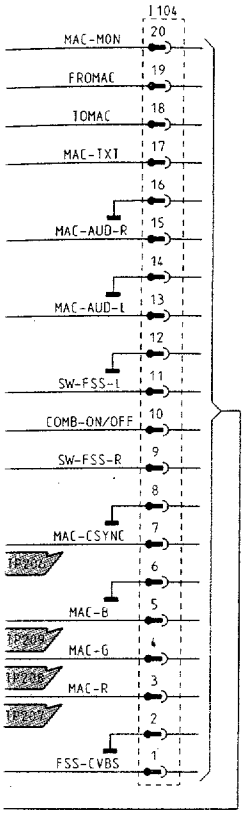
17
iv DC
s/div

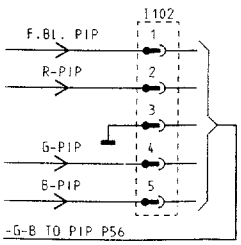
TP219
0,5 V/div
1,25 µS/div

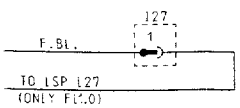


32 33 34

P







	1430	I 2	3470	L 9	
	2031	N18	3471	L10	
	2035	L14	3473	L11	
	2040	M21	3474	L11	
A	2041	N22	3476	I11	
	2042	L25	3492	L12	
	2043	N18	4041	M22	
	2044	L17	4043	M18	
	2045	N20	4044	K17	
	2046	L20	4047	N25	
	2047	I24	4210	L26	
	2048	M22	4212	J25	
B	2049	L25	4214	J26	
	2050	C 4	5031	N17	
	2051	C 5	5450	H 9	
	2052	D 4	5463	M 6	
	2053	C 5	5464	M 6	
	2054	D 4	5470	L 9	
	2055	C 4	6040	N23	
	2056	C 7	6041	N24	
C	2062	E 8	6215	C25	
	2063	E10	7010	M11	
	2065	F 8	7015	M20	
	2214	D17	7020	K19	
	2215	C25	7025	K16	
	2216	C25	7030	M17	
	2217	E26	7035	L13	
D	2218	C26	7040	I23	
	2219	B26	7050	C 6	
	2430	I 2	7063	D 8	
	2431	I 3	7064	D 9	
	2432	I 3	7065	F 8	
	2435	J 3	7066	F 9	
	2438	K 3	7200	A13	
	2440	L 3	7210	D13	
E	2443	H 4	7214	D18	
	2445	H 7	7215	E18	
	2446	H 7	7220	C18	
	2448	I 8	7443	H 3	
	2451	H 9	7457	H11	
	2452	I 9	7473	K10	
	2453	H10	7490	K11	
	2457	H11	9000	N21	
F	2459	J 8			
	2460	K 8			
	2470	L 9			
	2480	L 7			
	2482	L 8			
	2492	L12			
	3010	N11			
G	3011	N12			
	3012	N12			
	3013	M20			
	3015	N19			
	3016	N20			
	3017	N20			
	3020	L19			
H	3021	L19			
	3022	L19			
	3023	K20			
	3025	L16			
	3026	L16			
	3027	L16			
	3030	N16			
	3031	N17			
I	3032	N18			
	3035	M 9			
	3036	L 9			
	3040	M23			
	3041	M23			
	3042	N24			
	3043	N21			
J	3047	M23			
	3048	N22			
	3050	C 8			
	3051	B 8			
	3052	C 8			
	3053	B 8			
	3054	C 7			
	3055	B 8			
K	3056	D 3			
	3057	C 2			
	3058	D 3			
	3059	D 2			
	3060	D 3			
	3061	D 2			
	3062	E 8			
	3063	D 9			
L	3064	D10			
	3065	F 8			
	3066	F 9			
	3067	F10			
	3068	E 2			
	3210	E26			
	3211	C26			
M	3212	A26			
	3213	C26			
	3214	I27			
	3215	C26			
	3217	C19			
	3218	D17			
	3219	E17			
	3220	D19			
N	3222	D18			
	3223	C18			
	3224	C18			
	3225	D19			
	3443	G 4			
	3452	I 9			
	3453	H10			
	3454	H10			
O	3455	H10			
	3456	I12			
	3457	H11			
	3465	L 5			
	3466	M 6			

CHASSIS FL1

►Q

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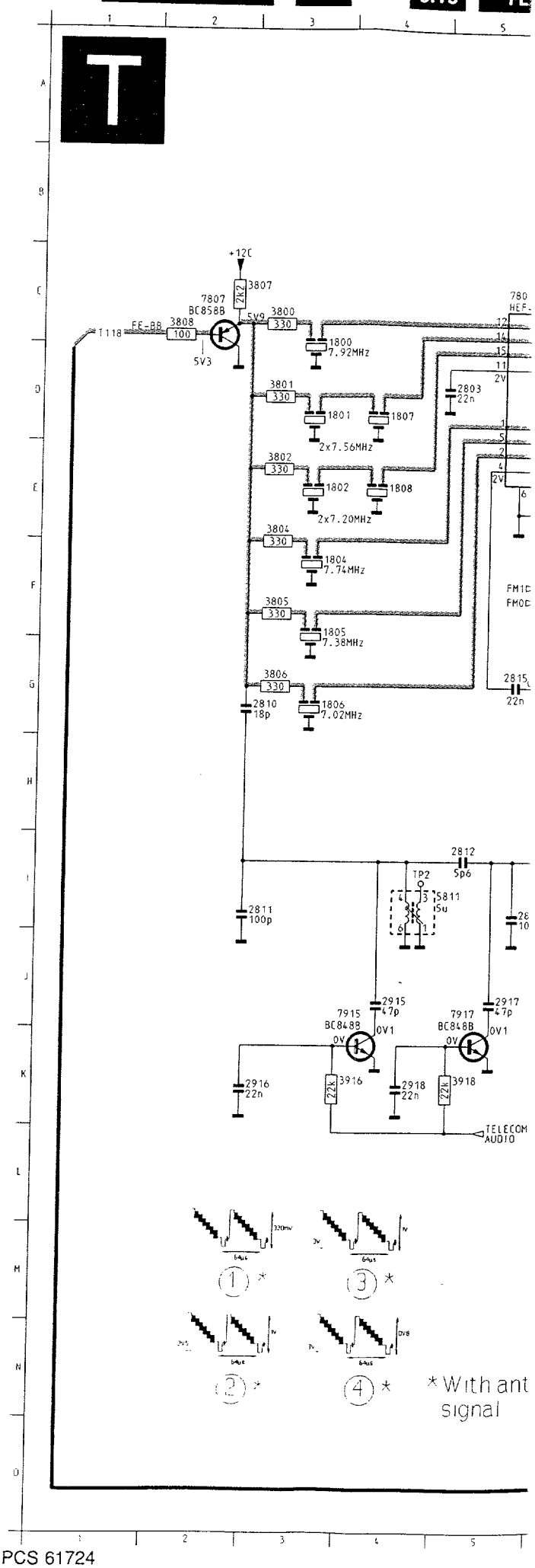
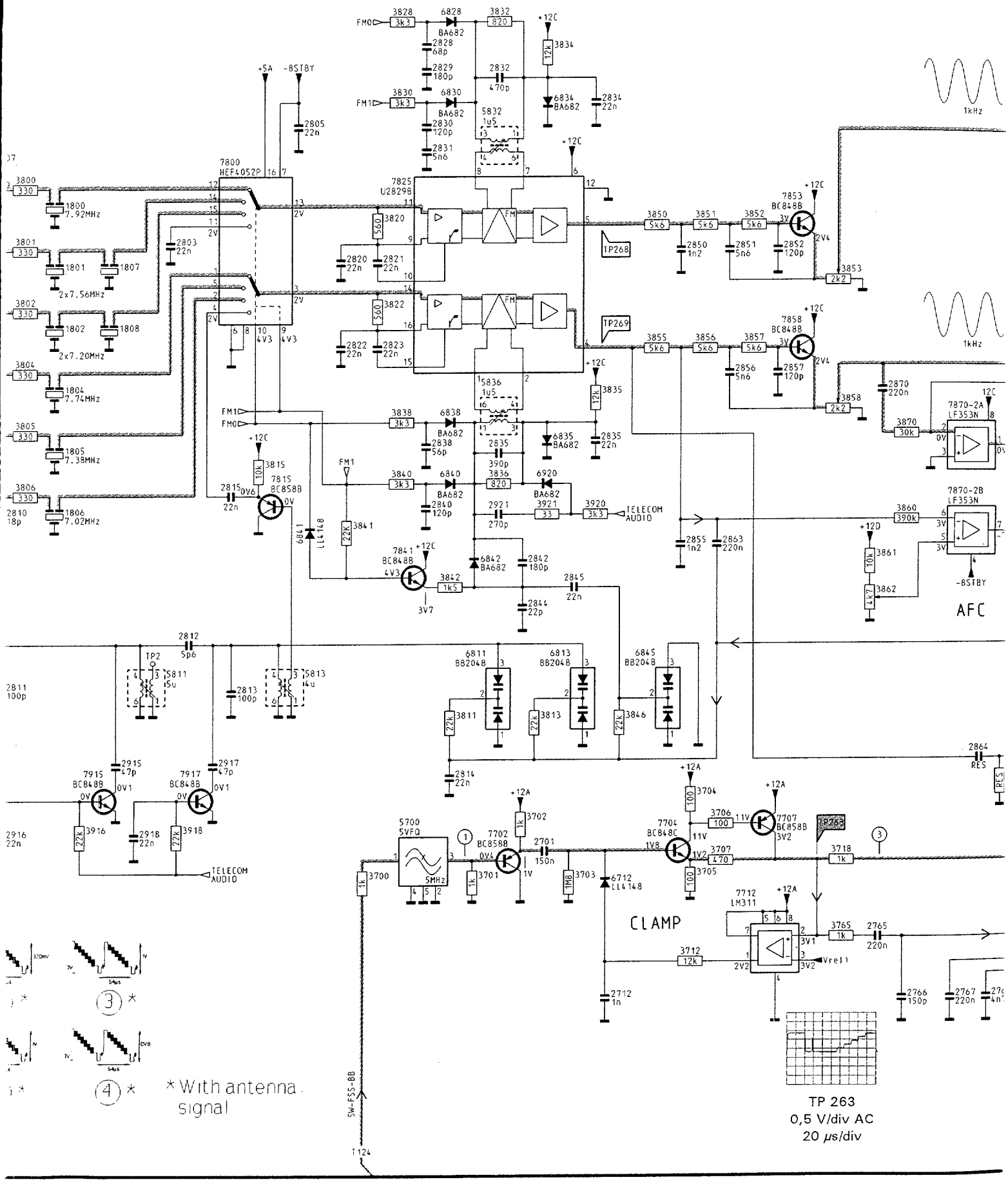
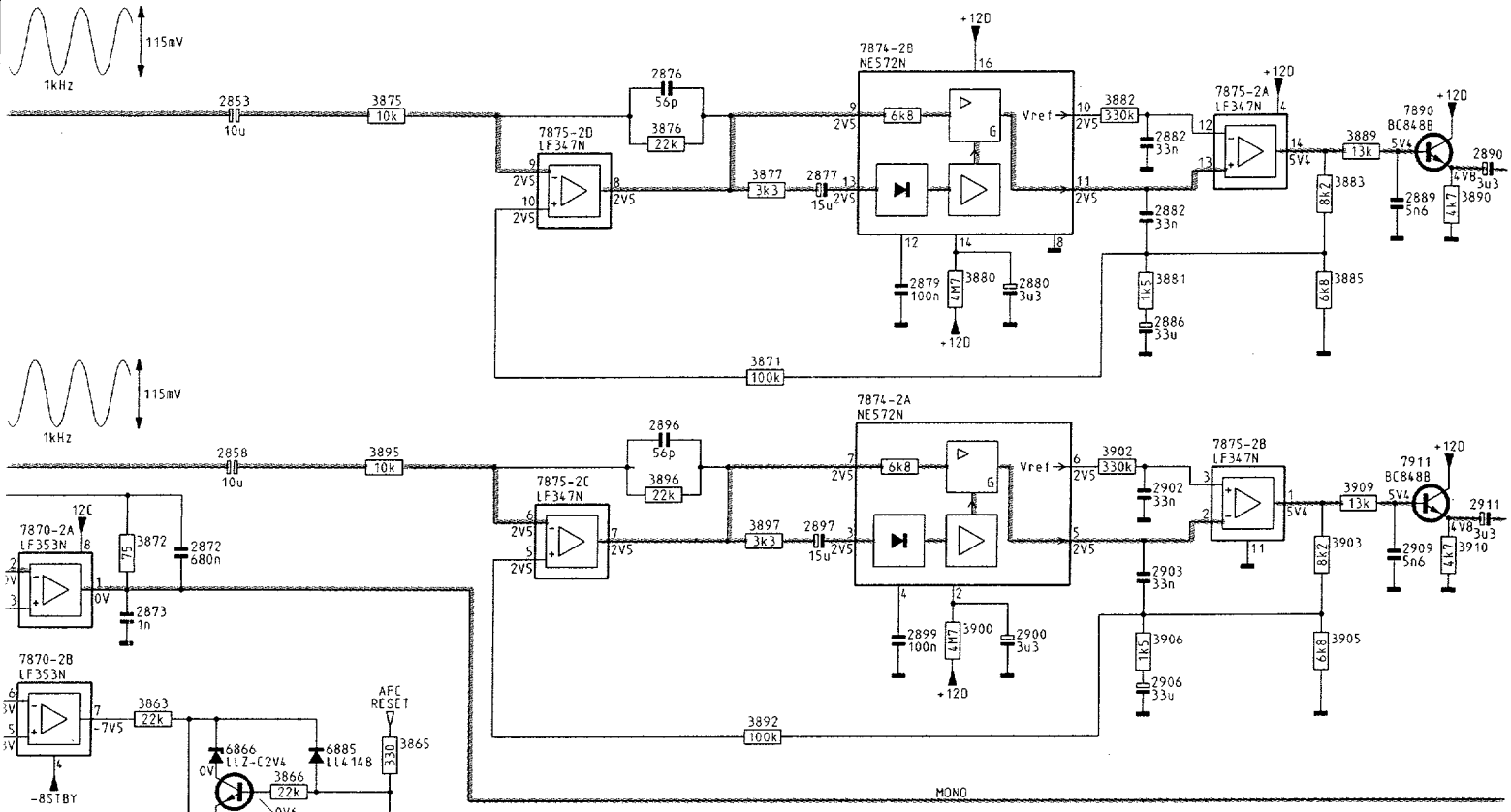
121291

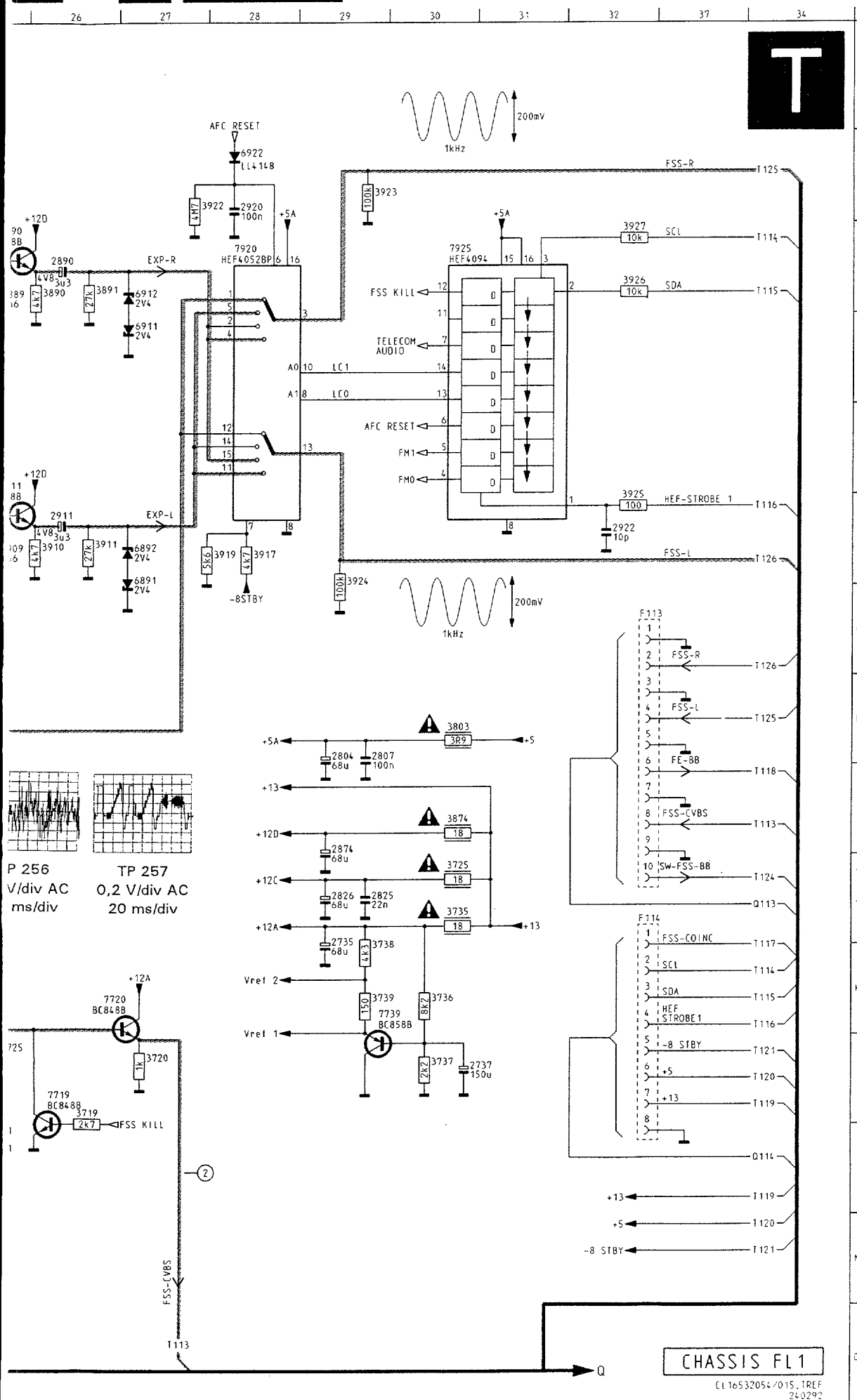
32 33 34


T
+12C
3807
2k2
7807
BC858B
3808
100
5V3
5V9
3800
330
T118
1800
7.92MHz
3801
330
1801
1807
2x7.56MHz
2803
22n
3802
330
1802
1808
2x7.20MHz
3804
330
1804
7.74MHz
3805
330
1805
7.38MHz
3806
330
1806
7.02MHz
2810
18p
2811
100p
2812
5p6
TP2
5811
15u
2915
47p
2917
47p
7915
BC848B
7917
BC848B
0V
0V1
2916
22n
3916
22k
2918
22n
3918
22k
TELECOM
AUDIO
780
HEF
FM1D
FM0D
2815
22n
1
2
3
4
*With ant
signal

FSS Audio / Video

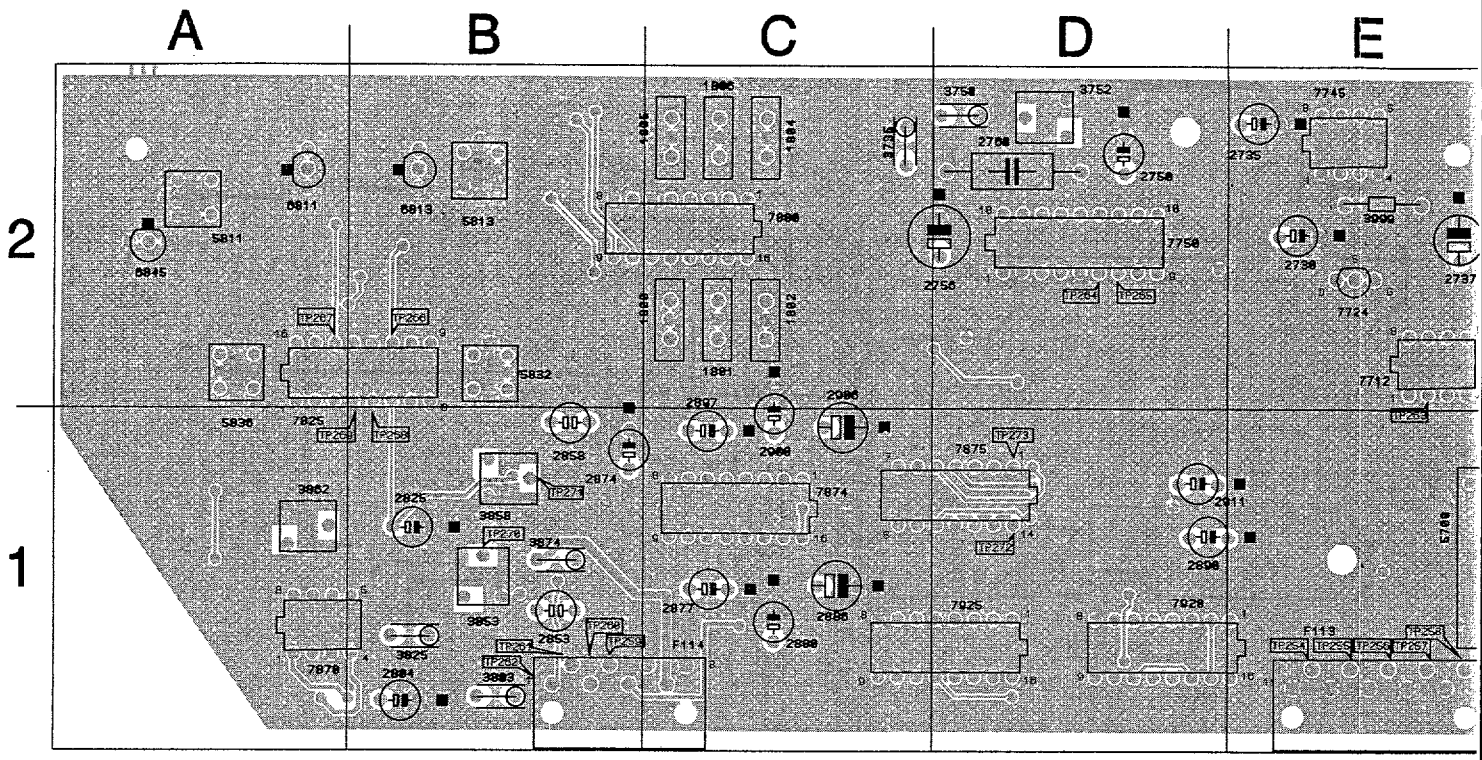


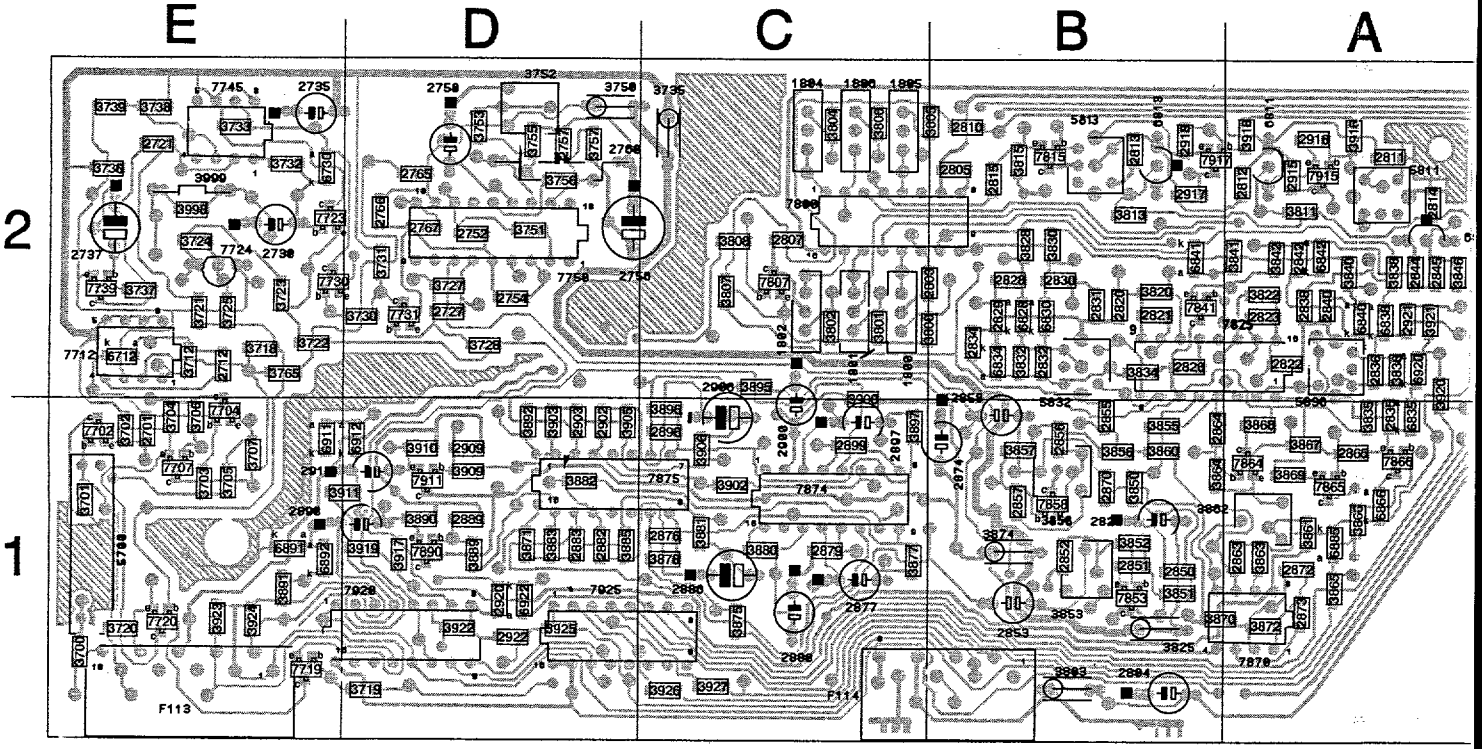

115mV
1kHz
2853
10u
3875
10k
2876
56p
3876
22k
7875-2D
LF347N
7874-2B
NE572N
+12D
16
6k8
Vref
2V5
3882
330k
2882
33n
7875-2A
LF347N
3889
13k
7890
BC848B
5V4
2890
4V8
3u3
3890
2889
5n6
4k7
3883
8k2
3877
3k3
2877
15u
2879
100n
3880
4M7
2880
3u3
3881
1k5
2886
33u
3885
6k8
3871
100k
2858
10u
3895
10k
2896
56p
3896
22k
7875-2C
LF347N
7874-2A
NE572N
3902
330k
2902
33n
7875-2B
LF347N
7911
BC848B
2911
3910
2909
5n6
3909
13k
3903
8k2
3897
3k3
2897
15u
2899
100n
3900
4M7
2900
3u3
2903
33n
3906
1k5
2906
33u
3905
6k8
3892
100k
MONO
12C
7870-2A
LF353N
75
3872
2872
680n
2873
1n
0V
7870-2B
LF353N
3863
22k
-7V5
-8STBY
AFC
AFC
RESET
3865
330
6866
LLZ-C2V4
6885
LL4148
3866
22k
0V6
7866
BC848B
+12C
RES
3868
3869
7864
RES
7865
RES
3867
2864
3864
2865
TP 264
5 V/div DC
20 µs/div
TP 256
0,2 V/div AC
20 ms/div
TP1
7750
TDA2595
2752
10n
3751
750k
TV
IDENT.
G
15625Hz
MUTE
2767
220n
2760
4n7
3755
12k
3756
56k
3757
1k2
2756
4u7
2757
10n
2754
22n
3753
120k
3752
4k7
2750
68u
+13
18
3750
T117
FSS-COINC
3721
10k
2721
56p
7745
LM311
Vref2
3V2
3V4
+12A
2k7
3733
6730
LL4148
AGC
3732
220k
2730
1u
7723
BC848B
-0V1
-0V7
3723
47k
3724
100k
7724
BF245A
3722
10k
-8STBY
3725
470
7719
3V1
Vref1
2727
150p
3727
10k
3728
15k
7731
BC848B
-2V2
3731
10k
3730
3K3
7730
BC848B
0V7
3V2

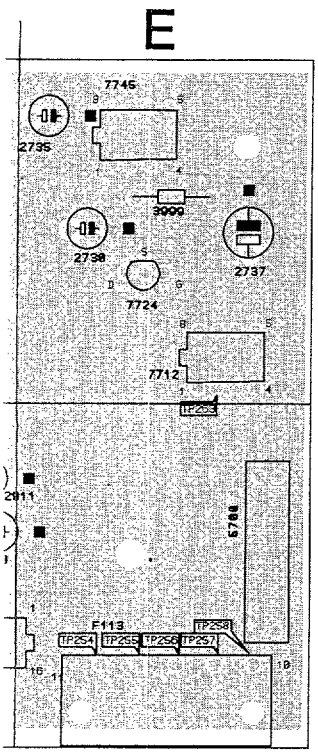


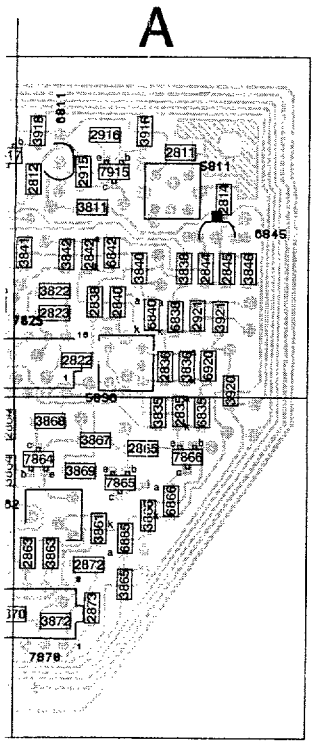
	1800	D 4	3736	K30	6911	D27
	1801	D 4	3737	L30	6912	C27
	1802	E 4	3738	J29	6920	G 9
	1804	F 4	3739	K29	6922	B28
A	1805	F 4	3750	N19	7702	K 9
	1806	G 4	3751	L18	7704	K11
	2701	K 9	3752	O18	7707	K12
	2712	M10	3753	O17	7712	L12
	2721	M20	3755	M15	7719	L26
	2727	N20	3756	M15	7720	K27
	2730	M23	3757	N16	7723	L24
	2735	K29	3765	L13	7724	M25
B	2737	L30	3800	C 3	7730	N22
	2750	O19	3801	D 3	7731	N21
	2752	L18	3802	E 3	7739	K29
	2754	N17	3803	H30	7745	L21
	2756	N16	3804	E 3	7750	L16
	2757	N17	3805	F 3	7800	C 5
	2760	M15	3806	G 3	7807	C 2
C	2765	L13	3807	C 2	7815	G 6
	2766	M14	3808	C 2	7825	C 7
	2767	M14	3811	J 8	7841	H 7
	2803	D 5	3813	J 9	7853	C12
	2804	H29	3815	G 6	7858	E12
	2805	C 6	3820	D 7	7864	J15
	2807	H29	3822	E 7	7865	J16
	2810	G 3	3828	A 7	7866	H16
D	2811	I 3	3830	B 7	7870	G14
	2812	I 5	3832	A 9	7870	F14
	2813	I 5	3834	B 9	7874	E21
	2814	J 8	3835	F10	7874	B21
	2815	G 5	3836	G 9	7875	C18
	2820	D 7	3838	F 7	7875	B24
	2821	D 7	3840	G 7	7875	F18
	2822	E 7	3841	G 7	7875	E24
E	2823	E 7	3842	H 8	7890	C25
	2825	J29	3846	J10	7911	E25
	2826	J29	3850	D10	7915	J 4
	2828	B 8	3851	D11	7917	J 5
	2829	B 8	3852	D12	7920	C28
	2830	C 8	3853	D13	7925	C30
	2831	C 8	3855	E10		
F	2832	B 9	3856	E11		
	2834	B10	3857	E12		
	2835	F 9	3858	F13		
	2835	F10	3860	G13		
	2838	F 8	3861	H13		
	2840	G 8	3862	H13		
	2842	H 9	3863	G15		
	2844	H 9	3864	J15		
G	2845	H 9	3865	H17		
	2850	D11	3866	H16		
	2851	D11	3867	J16		
	2852	D12	3868	J15		
	2853	C16	3869	J16		
	2855	H11	3870	F13		
	2856	F11	3871	E20		
H	2857	F12	3872	F15		
	2858	E16	3874	I30		
	2863	H11	3875	C17		
	2864	J14	3876	C19		
	2865	J16	3877	C20		
	2870	F13	3880	D22		
	2872	F15	3881	D23		
	2873	G15	3882	C23		
I	2874	I29	3883	C25		
	2876	B19	3885	D25		
	2877	C20	3889	C25		
	2879	D21	3890	C26		
	2880	D22	3891	C26		
-	2882	C23	3892	H20		
	2882	C23	3895	E17		
	2886	D23	3896	F19		
J	2889	C25	3897	F20		
	2890	C26	3900	G22		
	2896	E19	3902	E23		
	2897	F20	3903	F25		
	2899	G21	3905	G25		
	2900	G22	3906	G23		
	2902	F23	3909	F25		
K	2903	F23	3910	F26		
	2906	G23	3911	F26		
	2909	F25	3916	K 3		
	2911	F26	3917	F28		
	2915	J 4	3918	K 5		
	2916	K 3	3919	F28		
	2917	J 5	3920	G10		
	2918	K 4	3921	G 9		
L	2920	B28	3922	B27		
	2921	G 9	3923	B29		
	2922	F32	3924	F29		
	3700	L 7	3925	F32		
	3701	L 8	3926	C32		
	3702	K 9	3927	C32		
	3703	L 9	5700	K 7		
M	3704	K11	5811	I 4		
	3705	L11	5813	I 6		
	3706	K11	5832	B 8		
	3707	K11	5836	F 8		
	3712	M11	6712	L10		
	3718	K13	6730	L23		
	3719	L26	6811	I 8		
N	3720	L27	6813	I 9		
	3721	L20	6828	A 8		
	3722	M24	6830	B 8		
	3723	M24	6834	B 9		
	3724	L25	6835	F 9		
	3725	L25	6838	F 8		
	3725	J30	6840	G 8		
	3727	N20	6841	G 6		
	3728	N21	6842	H 8		
O	3730	N22	6845	I10		
	3731	N21	6866	H16		
	3732	M23	6885	H16		
	3733	L22	6891	F27		
	3735	J30	6892	F27		

FSS panel
FSS Platine
Platine FSS

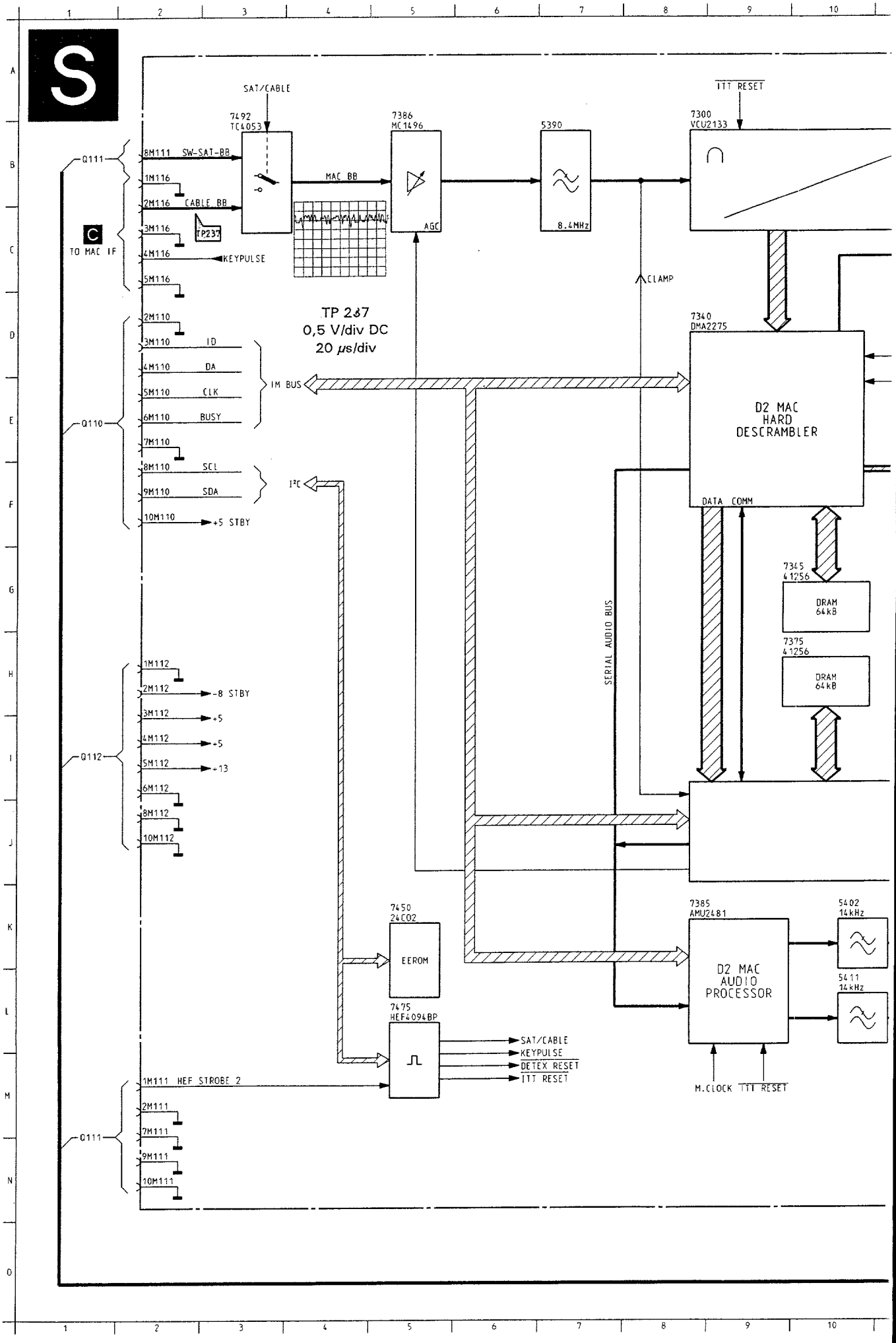


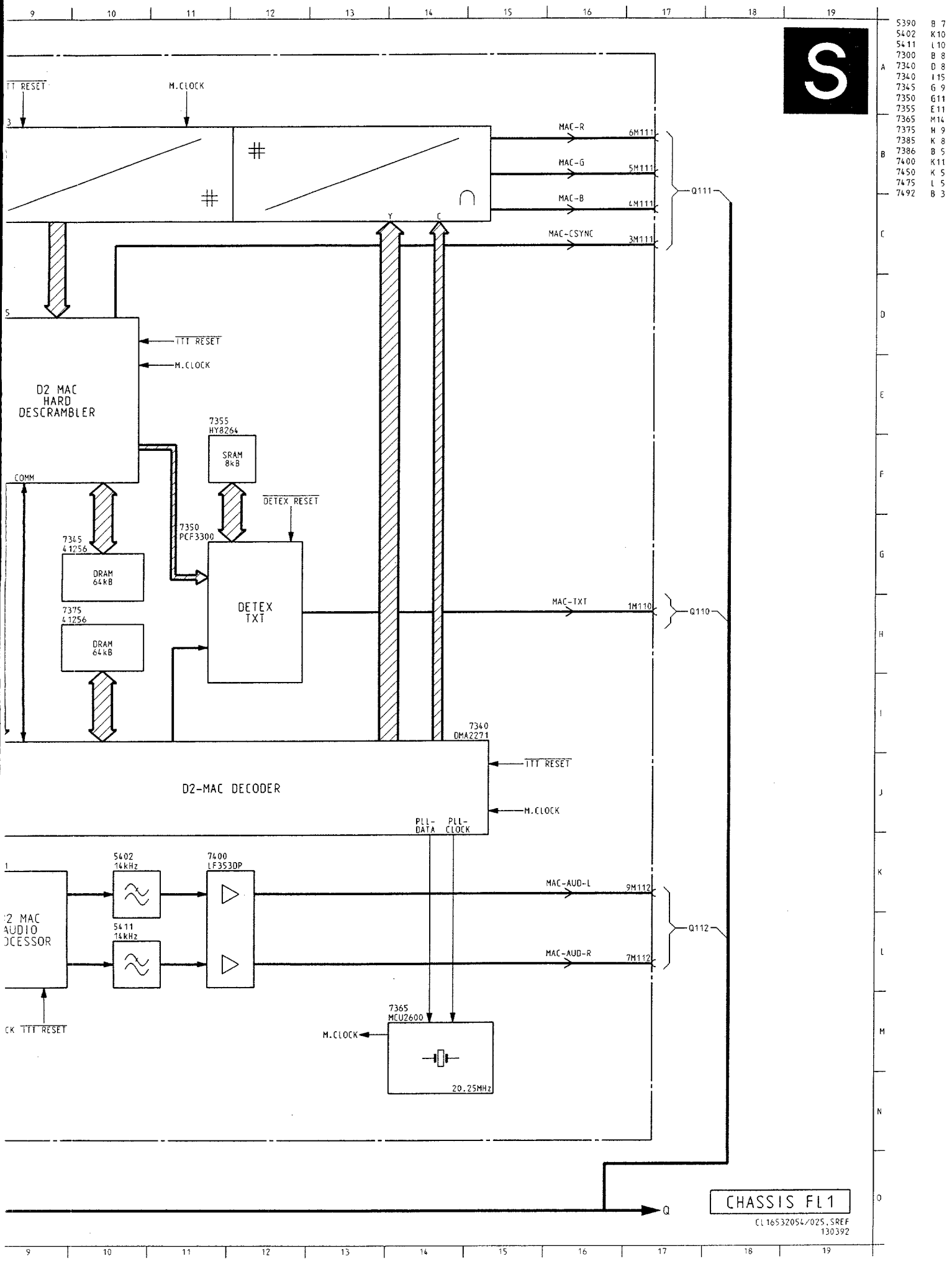






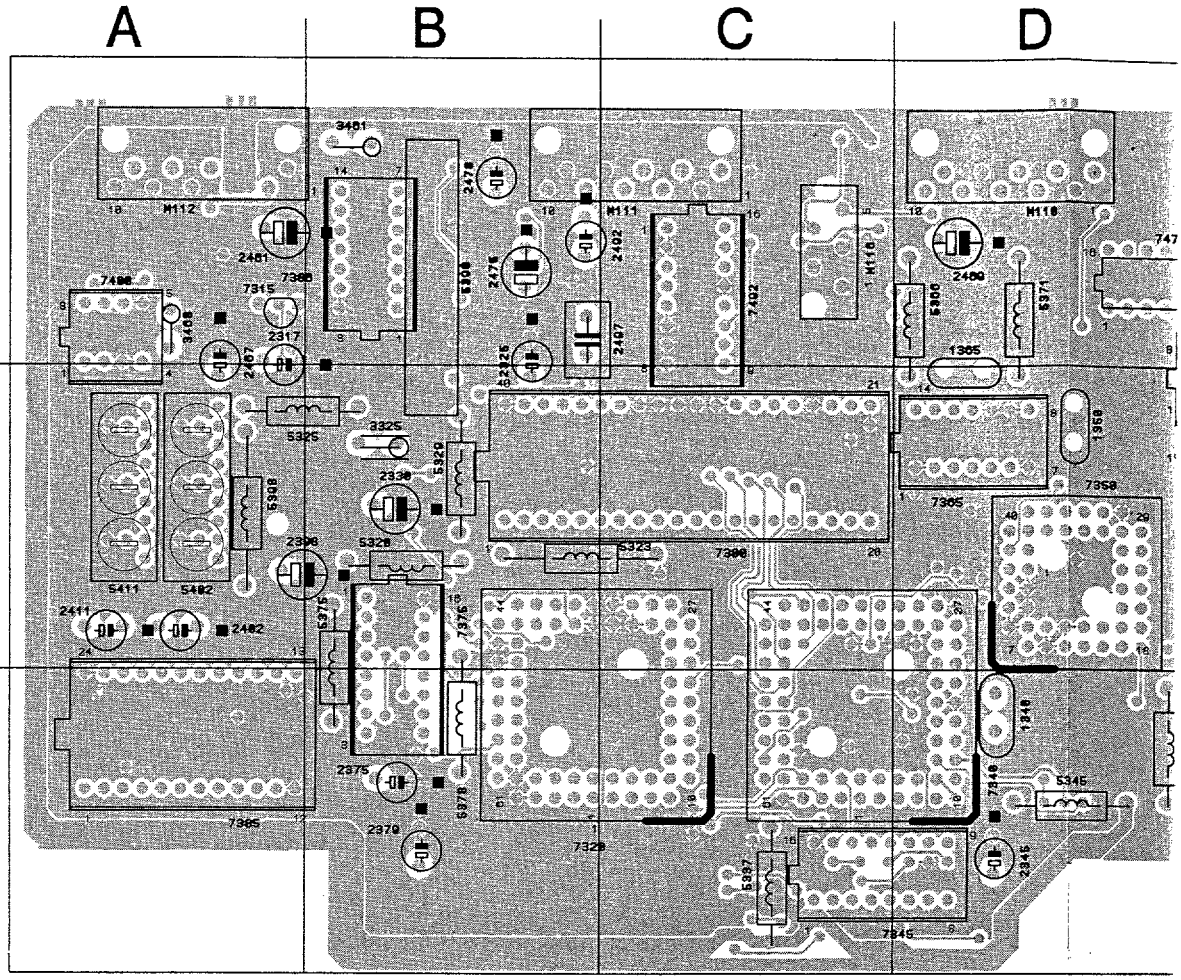
F113 E1
F114 B1
1800 C2
1801 C2
1802 C2
1804 C2
1805 C2
1806 C2
2701 E1
2712 E2
2721 E2
2727 D2
2730 E2
2735 E2
2737 E2
2750 D2
2752 D2
2754 D2
2756 D2
2757 D2
2760 D2
2765 D2
2766 D2
2767 D2
2803 C2
2804 B1
2805 B2
2807 C2
2810 B2
2811 A2
2812 A2
2813 B2
2814 A2
2815 B2
2820 B2
2821 B2
2822 A2
2823 A2
2825 B1
2826 B2
2828 B2
2829 B2
2830 B2
2831 B2
2832 B2
2834 B2
2835 A1
2836 A2
2838 A2
2840 A2
2842 A2
2844 A2
2845 A2
2850 B1
2851 B1
2852 B1
2853 B1
2855 B1
2856 B1
2857 B1
2858 B1
2863 A1
2864 B1
2865 A1
2870 B1
2872 A1
2873 A1
2874 B1
2876 C1
2877 C1
2879 C1
2880 C1
2882 D1
2883 D1
2886 C1
2889 D1
2890 D1
2896 C1
2897 C1
2899 C1
2900 C1
2902 D1
2903 D1
2906 C1
2909 D1
2911 D1
2915 A2
2916 A2
2917 B2
2918 B2
2920 D1
2921 A2
2922 D1
3700 E1
3701 E1
3702 E1
3703 E1
3704 E1
3705 E1
3706 E1
3707 E1
3712 E2
3718 E2
3719 D1
3720 E1
3721 E2
3722 E2
3723 E2
3724 E2
3725 E2
3727 D2
3728 D2
3730 D2
3731 D2
3732 E2
3733 E2
3736 C2
3736 E2
3737 E2
3738 E2
3739 E2
3750 D2
3751 D2
3752 D2
3753 D2
3755 D2
3756 D2
3757 D2
3765 E2
3800 C2
3801 C2
3802 C2
3803 B1
3804 C2
3805 C2
3806 C2
3807 C2
3808 C2
3811 A2
3813 B2
3815 B2
3820 B2
3822 A2
3825 B1
3828 B2
3830 B2
3832 B2
3834 B2
3835 A1
3836 A2
3838 A2
3840 A2
3841 A2
3842 A2
3846 A2
3850 B1
3851 B1
3852 B1
3853 B1
3855 B1
3856 B1
3857 B1
3858 B1
3860 B1
3861 A1
3862 A1
3863 A1
3864 B1
3866 A1
3867 A1
3868 A1
3869 A1
3870 B1
3871 D1
3872 A1
3874 B1
3875 C1
3876 C1
3877 C1
3880 C1
3881 C1
3882 D1
3883 D1
3885 D1
3889 D1
3890 D1
3891 E1
3892 D1
3895 C2
3896 C1
3897 C1
3900 C1
3902 C1
3903 D1
3905 D1
3906 C1
3909 D1
3910 D1
3911 D1
3916 A2
3917 D1
3918 A2
3919 D1
3920 A1
3921 A2
3922 D1
3923 E1
3924 E1
3925 D1
3926 C1
3927 C1
3998 E2
3999 E2
5700 E1
5811 A2
5813 B2
5832 B2
5836 A2
6712 E2
6730 E2
6811 A2
6813 B2
6828 B2
6830 B2
6834 B2
6835 A1
6838 A2
6840 A2
6841 B2
6842 A2
6845 A2
6866 A1
6885 A1
6891 E1
6892 E1
6911 E1
6912 D1
6920 A2
6922 D1
7702 E1
7704 E1
7707 E1
7712 E2
7719 E1
7720 E1
7723 E2
7724 E2
7730 E2
7731 D2
7739 E2
7746 E2
7750 D2
7800 C2
7807 C2
7815 B2
7825 B2
7841 B2
7853 B1
7858 B1
7864 A1

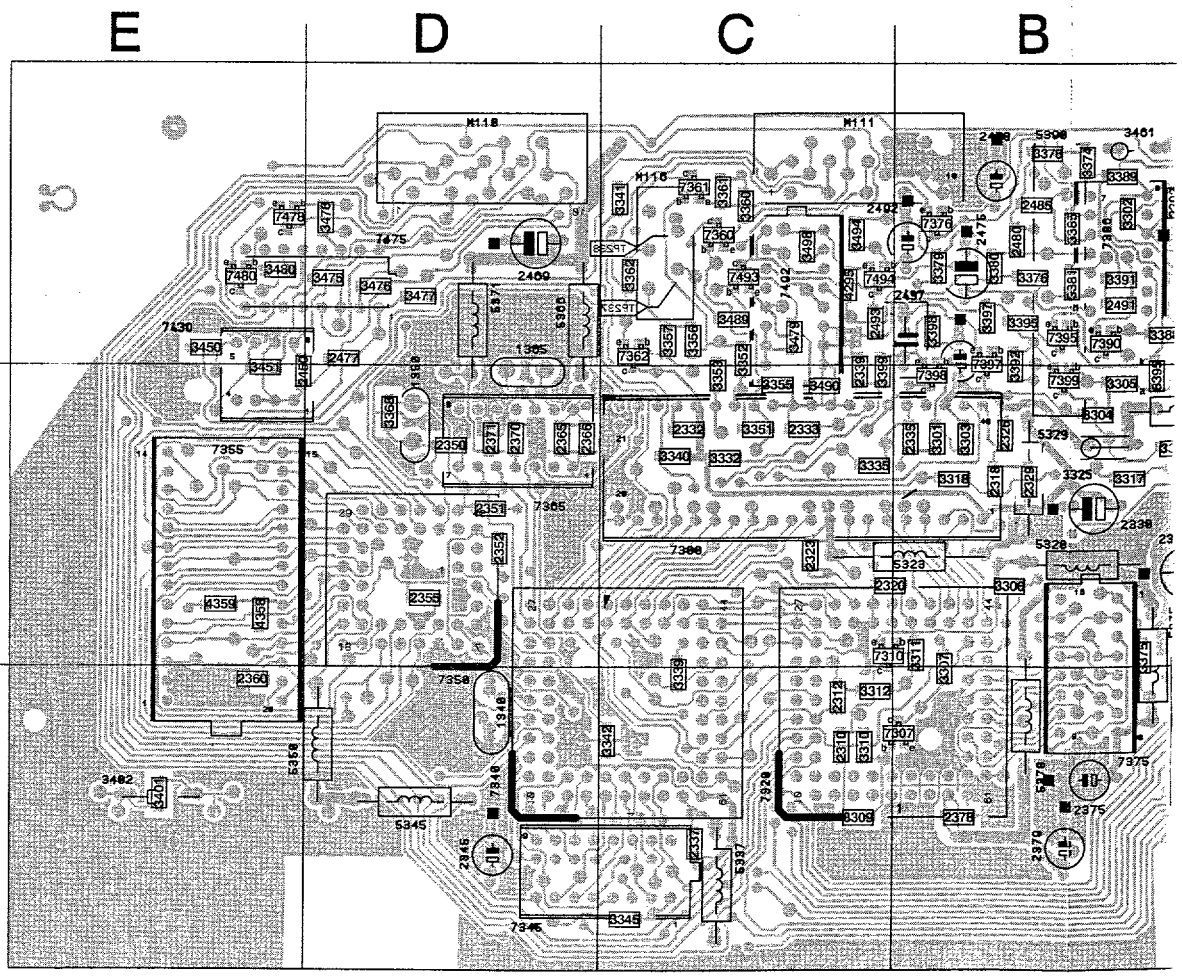

S
SAT/CABLE
7492
TC4053
7386
MC1496
AGC
MAC BB
5390
8.4MHz
7300
VCU2133
ITT RESET
CLAMP
Q111
8M111 SW-SAT-BB
1M116
2M116 CABLE BB
3M116
4M116 KEYPULSE
5M116
C
TO MAC IF
TP237
TP 237
0,5 V/div DC
20 µs/div
2M110
3M110 ID
4M110 DA
5M110 CLK
6M110 BUSY
7M110
8M110 SCL
9M110 SDA
10M110 +5 STBY
Q110
IM BUS
I²C
7340
DMA2275
D2 MAC
HARD
DESCRAMBLER
DATA COMM
SERIAL AUDIO BUS
7345
41256
DRAM
64kB
7375
41256
DRAM
64kB
1M112
2M112 -8 STBY
3M112 +5
4M112 +5
5M112 +13
6M112
8M112
10M112
Q112
7450
24C02
EEROM
7475
HEF4094BP
SAT/CABLE
KEYPULSE
DETEX RESET
ITT RESET
7385
AMU2481
D2 MAC
AUDIO
PROCESSOR
5402
14kHz
5411
14kHz
M.CLOCK
ITT RESET
1M111 HEF STROBE 2
2M111
7M111
9M111
10M111
Q111

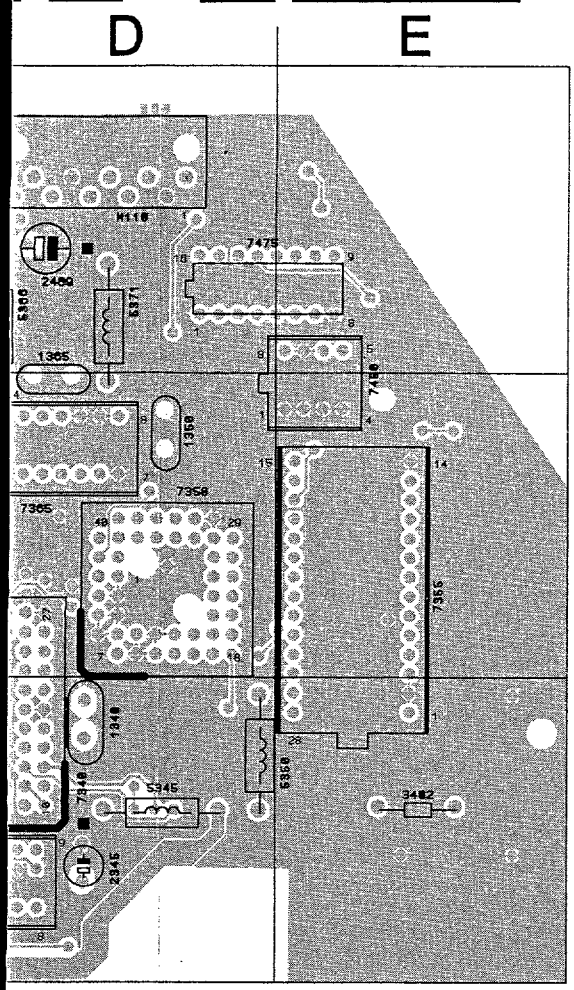


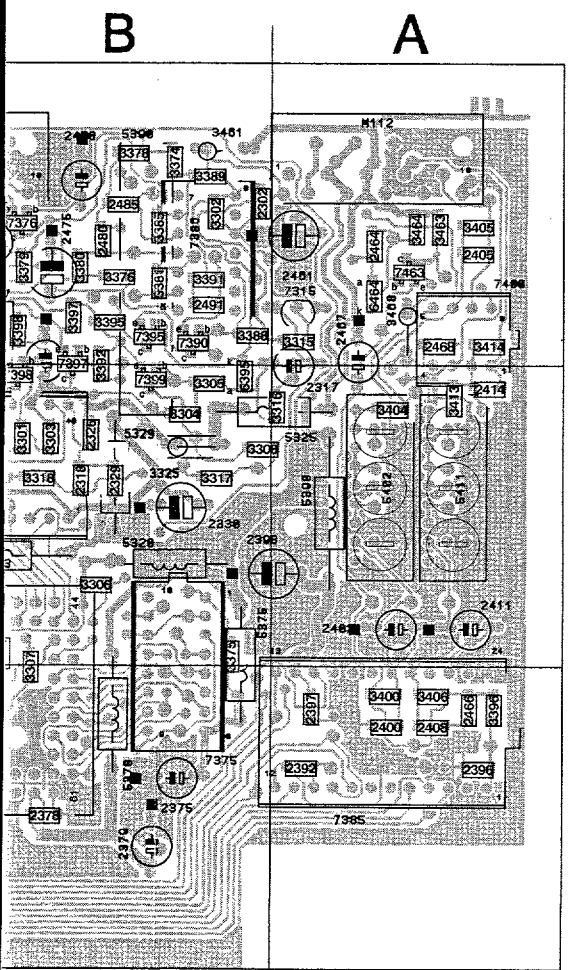
5390	B	7
5402	K	10
5411	L	10
7300	B	8
7340	D	8
7340	I	15
7345	G	9
7350	G	11
7355	E	11
7365	M	14
7375	H	9
7385	K	8
7386	B	5
7400	K	11
7450	K	5
7475	L	5
7492	B	3

D2-MAC Panel
D2-MAC Platine
Platine D2-MAC







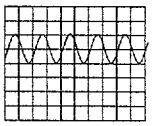


M110 D3	3352 C3	7390 B3
M111 C3	3353 C3	7395 B3
M112 A3	3355 C2	7397 B3
M116 C3	3356 C3	7398 B3
1340 D1	3357 C3	7399 B3
1350 D2	3360 C3	7400 A3
1365 D3	3361 C3	7450 E3
2302 A3	3362 C3	7463 A3
2310 C1	3368 D2	7475 D3
2312 C1	3374 B3	7478 E3
2317 A3	3375 B2	7480 E3
2318 B2	3376 B3	7492 C3
2320 B2	3378 B3	7493 C3
2323 C2	3379 B3	7494 C3
2325 B3	3380 B3	
2326 B2	3381 B3	
2329 B2	3385 B3	
2330 B2	3388 B3	
2332 C2	3389 B3	
2333 C2	3391 B3	
2336 B2	3392 B3	
2337 C1	3395 B3	
2339 C3	3396 A1	
2345 D1	3397 B3	
2350 D2	3398 B3	
2351 D2	3399 C3	
2352 D2	3400 A1	
2355 D2	3401 E1	
2360 E2	3402 E1	
2365 D2	3404 A2	
2366 D2	3405 A3	
2370 D2	3406 A1	
2371 D2	3413 A2	
2375 B1	3414 A3	
2378 B1	3450 E3	
2379 B1	3451 E3	
2392 A1	3461 B3	
2396 A1	3463 A3	
2397 A1	3464 A3	
2398 A2	3468 A3	
2400 A1	3475 D3	
2402 A2	3476 D3	
2405 A3	3477 D3	
2408 A1	3478 D3	
2411 A2	3479 C3	
2414 A2	3480 E3	
2450 D3	3489 C3	
2461 A3	3490 C2	
2464 A3	3494 C3	
2466 A1	3498 C3	
2467 A3	4295 C3	
2468 A3	4358 E2	
2469 D3	4359 E2	
2475 B3	5320 B2	
2477 D3	5323 B2	
2478 B3	5325 A2	
2480 B3	5329 B2	
2486 B3	5337 C1	
2491 B3	5345 D1	
2492 B3	5350 D1	
2493 C3	5366 D3	
2497 B3	5371 D3	
3301 B2	5375 B2	
3302 B3	5378 B1	
3303 B2	5390 B3	
3304 B2	5398 A2	
3305 B3	5402 A2	
3306 B2	5411 A2	
3307 B2	6395 B3	
3308 A2	6464 A3	
3309 C1	7300 C2	
3310 C1	7307 B1	
3311 B2	7310 B2	
3312 C1	7315 A3	
3315 A3	7320 B1	
3316 A2	7340 C1	
3317 B2	7345 C1	
3318 B2	7350 D2	
3325 B2	7355 E2	
3332 C2	7360 C3	
3335 C2	7361 C3	
3339 C2	7362 C3	
3340 C2	7365 D2	
3341 C3	7376 B2	
3342 C1	7376 B3	
3345 C1	7385 A1	
3351 C2	7386 B3	

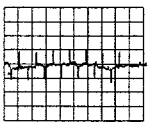
CENTRAL REPAIR PROCEDURE

D2-MAC PANEL (AG < 20):
(WITHOUT TXT TPU)
4822 212 23936

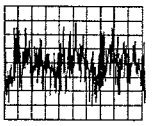
Tuner / Control panel
Tuner / Bedienung Platine
Platine Tuner / Commande



TP 220
2 V/div DC
5 ms/div

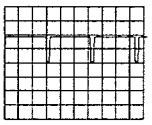


TP 229
20 mV/div AC
5 µS/div

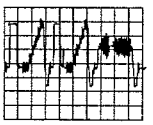


TP 256
0,2 V/div AC
20 ms/div

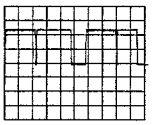
TP 221 TP 222



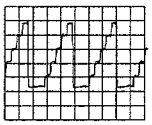
TP 247
2 V/div DC
20 µs/div



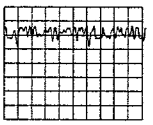
TP 257
0,2 V/div AC
20 ms/div



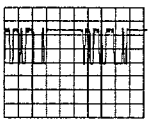
TP 224
2 V/div DC
50 µs/div



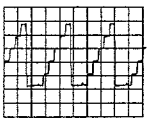
TP 248
2 V/div DC
20 µs/div



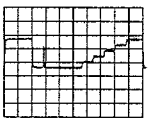
TP 237
0,5 V/div DC
20 µs/div



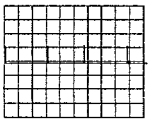
TP 225
2 V/div DC
50 µS/div



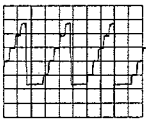
TP 249
2 V/div AC
20 µs/div



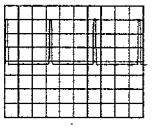
TP 263
0,5 V/div AC
20 µs/div



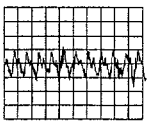
TP 226
2 V/div DC
0,1 ms/div



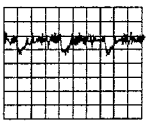
TP 250
0,2 V/div AC
20 µs/div



TP 264
5 V/div DC
20 µs/div



TP 227
20 mV/div DC
2 ms/div



TP 251
0,5 V/div DC
20 ms/div

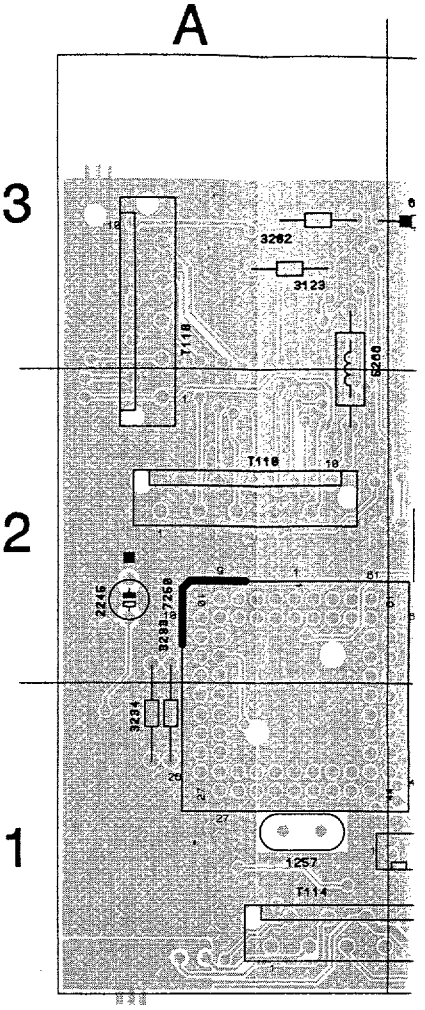
TP 252

TP 253

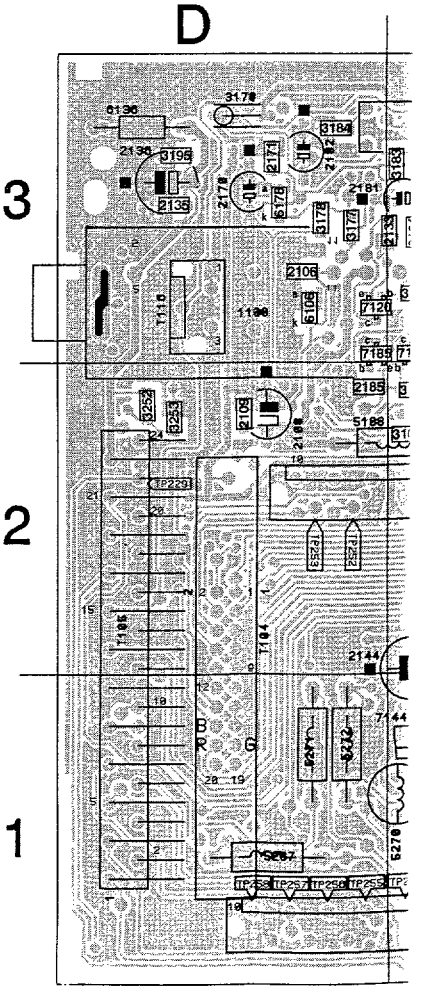
CENTRAL REPAIR PROCEDURE

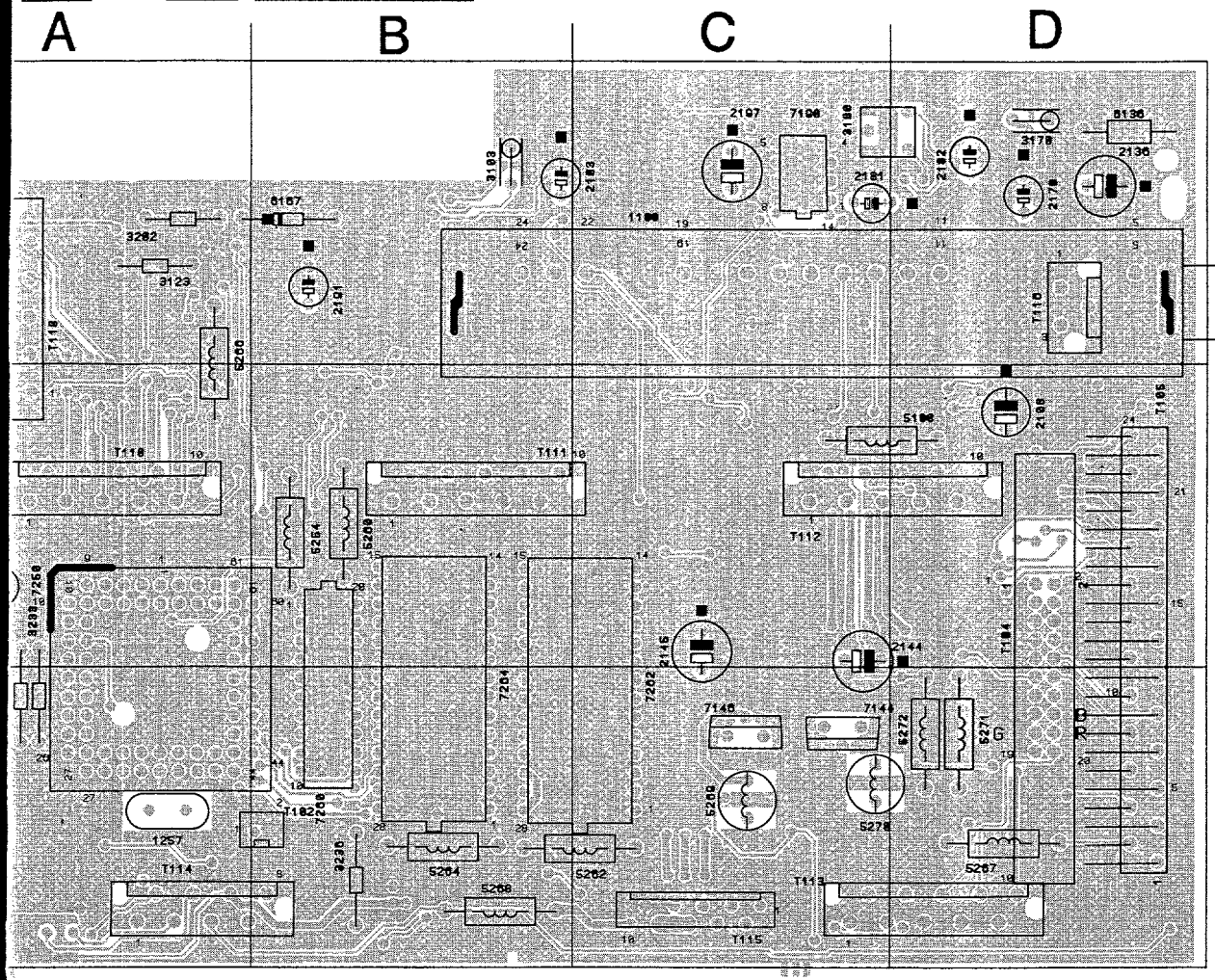
TUNER/CONTROL +
CONNECTOR PANEL ASSY
4822 212 30137

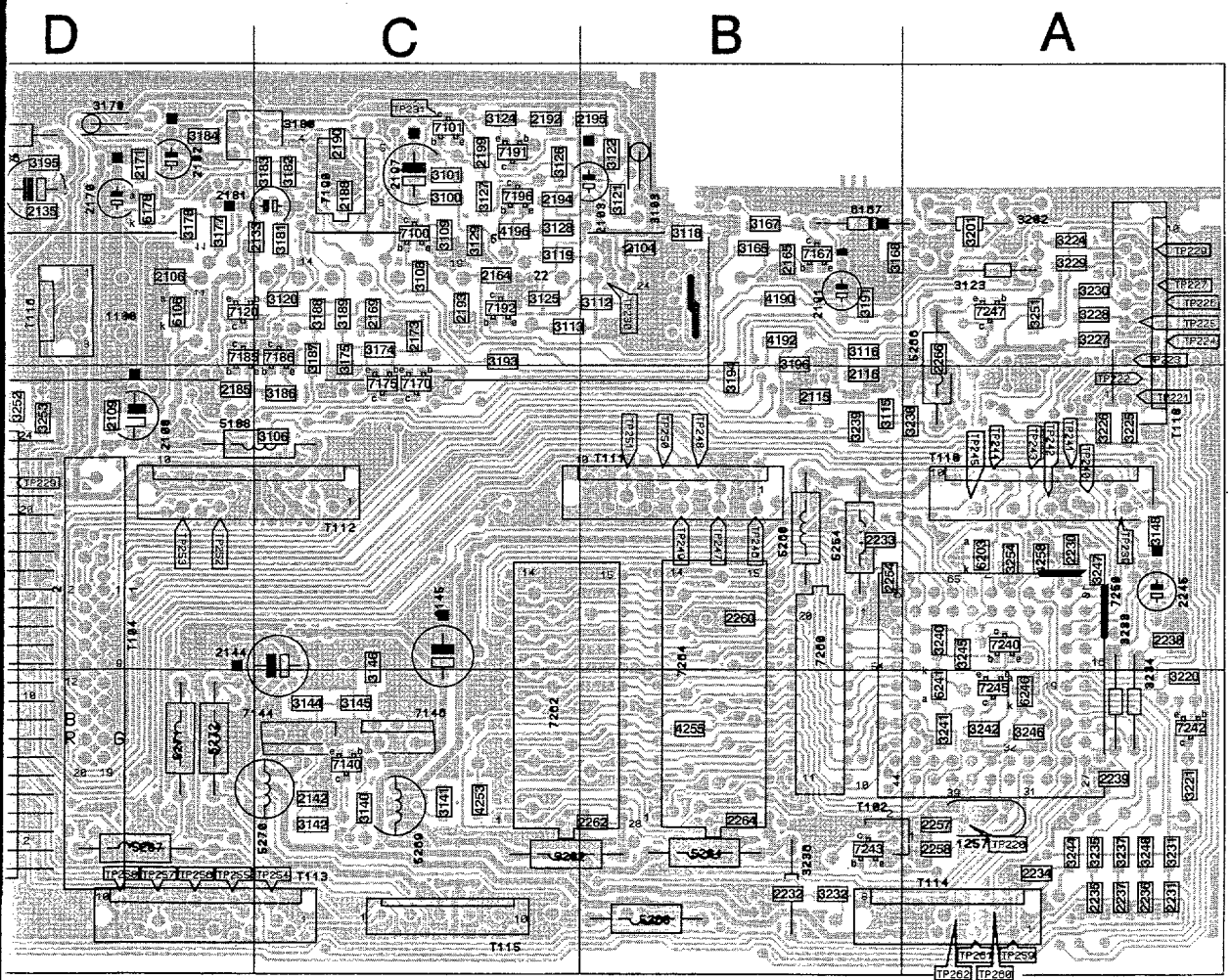
A



D







T102 B1
T104 D2
T105 D2
T110 A2
T111 B2
T112 D2
T113 D1
T114 A1
T115 C1
T116 D3
T118 A3
1100 C3
1257 A1
2103 B3
2104 B3
2106 D3
2108 D2
2109 D2
2115 B2
2116 B2
2133 C3
2135 D3
2136 D3
2142 C1
2144 C2
2145 C2
2164 C3
2165 B3
2169 C3
2170 D3
2171 D3
2173 C3
2181 C3
2182 D3
2185 D2
2188 C3
2190 C3
2191 B3
2192 C3
2193 C3
2194 C3
2195 B3
2197 C3
2199 C3
2230 A2
2231 A1
2232 B1
2233 B2
2234 A1
2235 A1
2236 A1
2237 A1
2238 A2
2239 A1
2245 A2
2254 B2
2257 A1
2258 A1
2260 B2
2262 B1
2264 B1
2266 A3
3100 C3
3101 C3
3103 B3
3106 C2
3108 C3
3109 C3
3112 B3
3113 C3
3115 B2
3116 B3
3118 B3
3119 C3
3120 C3
3121 B3
3122 B3
3123 A3
3124 C3
3125 C3
3126 C3
3127 C3
3128 C3
3129 C3
3140 C1
3141 C1
3142 C1
3144 C1
3145 C1
3146 C2
3148 A2
3165 B3
3167 B3
3168 B3
3170 D3
3174 C3
3175 C3
3176 D3
3177 D3
3178 D3
3180 C3
3181 C3
3182 C3
3183 C3
3184 D3
3186 C2
3187 C3
3188 C3
3189 C3
3191 B3
3193 C3
3194 B2
3195 D3
3196 B3
3201 A3
3202 A3
3220 A1
3221 A1
3224 A3
3225 A2
3226 A2
3227 A3
3228 A3
3229 A3
3230 A3
3231 A1
3232 B1
3233 A1
3234 A1
3235 A1
3236 B1
3237 A1
3238 A2
3239 B2
3240 A2
3241 A1
3242 A1
3244 A1
3245 A2
3246 A1
3247 A2
3248 A1
3251 A3
3252 D2
3253 D2
3254 A2
4190 B3
4192 B3
4196 C3
4253 C1
4255 B1
4258 A2
5108 C2
5254 B2
5260 B2
5262 C1
5264 B1
5266 A3
5267 D1
5268 B1
5269 C1
5270 C1
5271 D1
5272 D1
6106 D3
6136 D3
6167 B3
6178 D3
6203 A2
6241 A1
6246 A1
7100 C3
7101 C3
7120 D3
7140 C1
7144 C1
7146 C1
7167 B3
7170 C2
7175 C2
7185 D3
7186 C3
7190 C3
7191 C3
7192 C3
7196 C3
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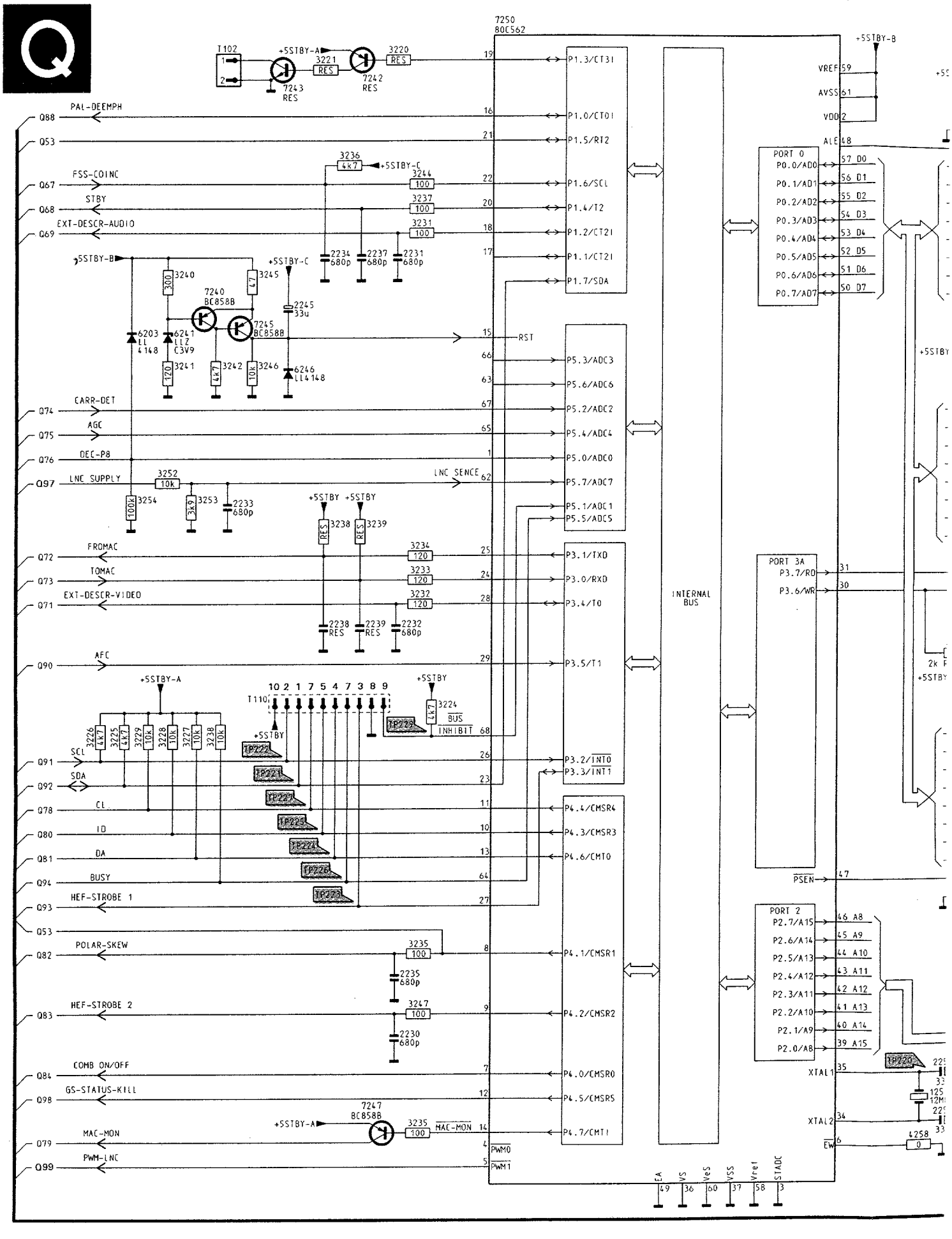
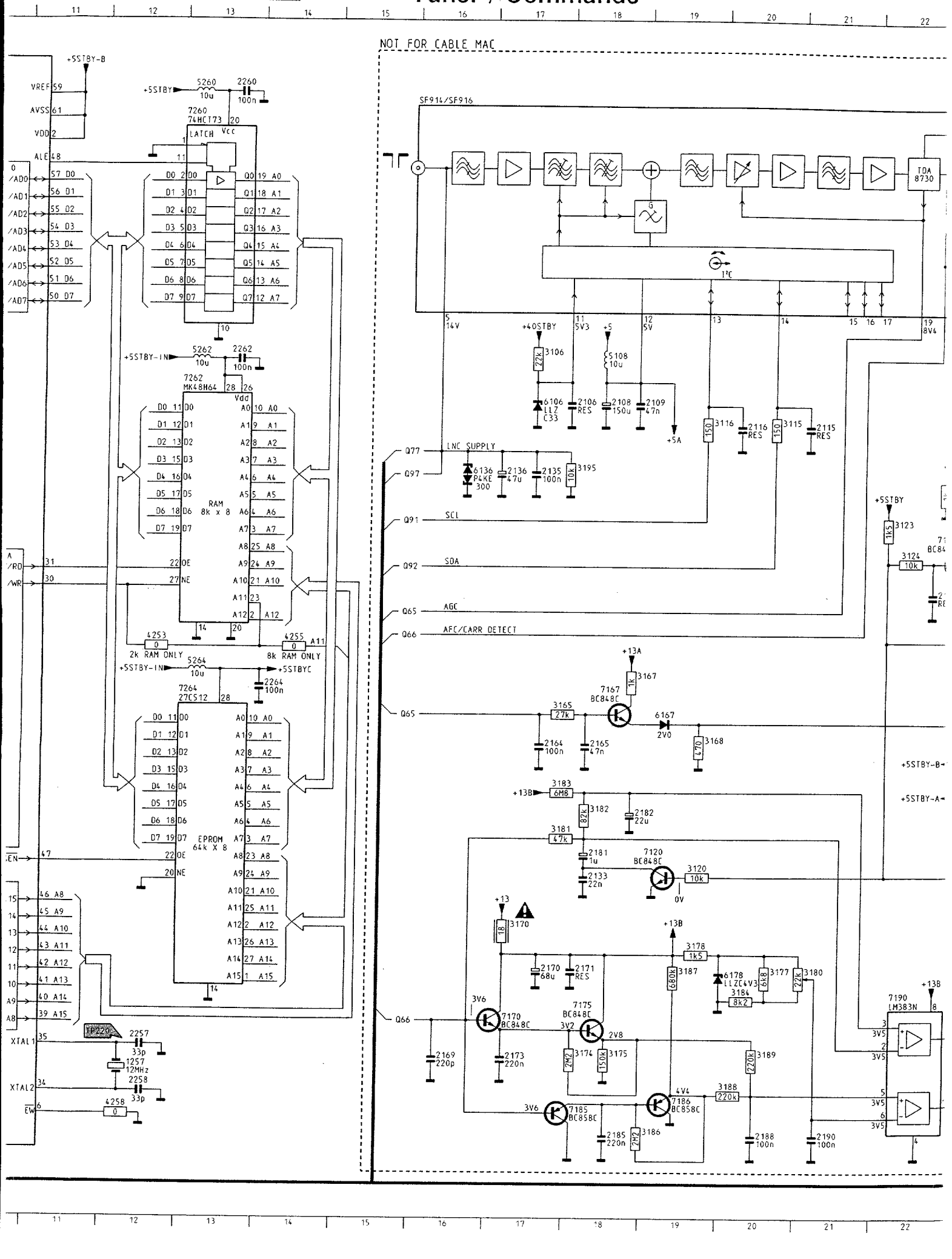
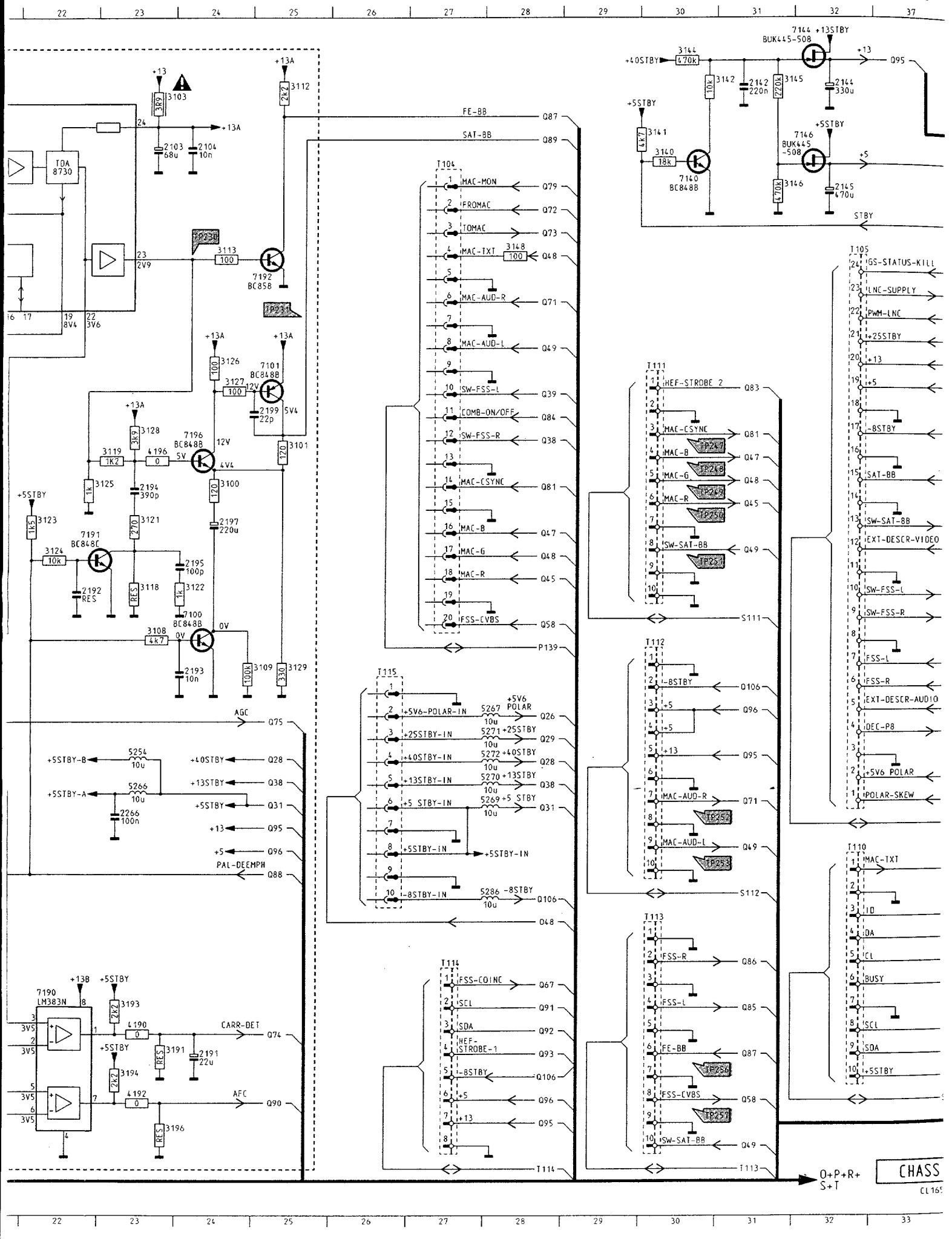
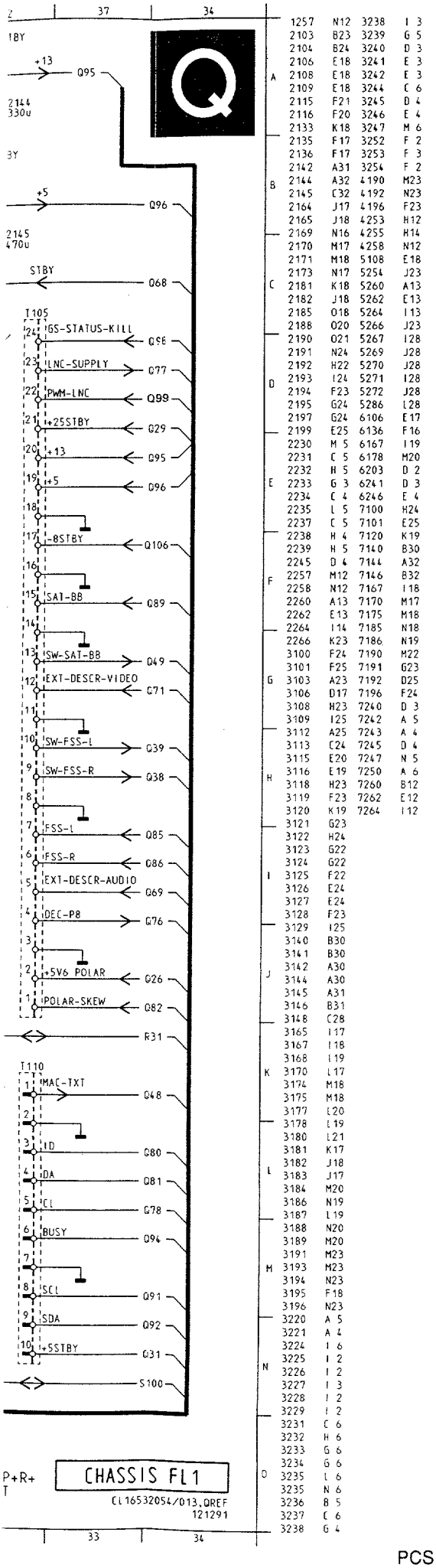
7243 B1
7245 A1
7247 A3
7250 A1
7260 B1
7262 C1
7264 B1


Q
7250
80C562
T102
+5STBY-A
3220 RES
3221 RES
7242 RES
7243 RES
+5STBY-B
+5STBY-C
PAL-DEEMPH
FSS-COINC
STBY
EXT-DESCR-AUDIO
CARR-DET
AGC
DEC-P8
LNC SUPPLY
LNC SENCE
FROMAC
TOMAC
EXT-DESCR-VIDEO
AFC
SCL
SDA
CL
ID
DA
BUSY
HEF-STROBE 1
HEF-STROBE 2
POLAR-SKEW
COMB ON/OFF
GS-STATUS-KILL
MAC-MON
PWM-LNC
RST
BUS INHIBIT
7240 BC858B
7245 BC858B
7247 BC858B
6203 LL 4148
6241 LLZ C3V9
6246 LL4148
P1.3/CT3I
P1.0/CT0I
P1.5/RI2
P1.6/SCL
P1.4/T2
P1.2/CT2I
P1.1/CT2I
P1.7/SDA
P5.3/ADC3
P5.6/ADC6
P5.2/ADC2
P5.4/ADC4
P5.0/ADC0
P5.7/ADC7
P5.1/ADC1
P5.5/ADC5
P3.1/TXD
P3.0/RXD
P3.4/T0
P3.5/T1
P3.2/INT0
P3.3/INT1
P4.4/CMSR4
P4.3/CMSR3
P4.6/CMT0
P4.1/CMSR1
P4.2/CMSR2
P4.0/CMSR0
P4.5/CMSR5
P4.7/CMT1
PWM0
PWM1
INTERNAL BUS
PORT 0
PORT 3A
PORT 2
P3.7/RD
P3.6/WR
PSEN
ALE
VREF
AVSS
VDD
XTAL1
XTAL2
EW
EA
VS
VeS
VSS
Vref
STADC

Tuner / Commande

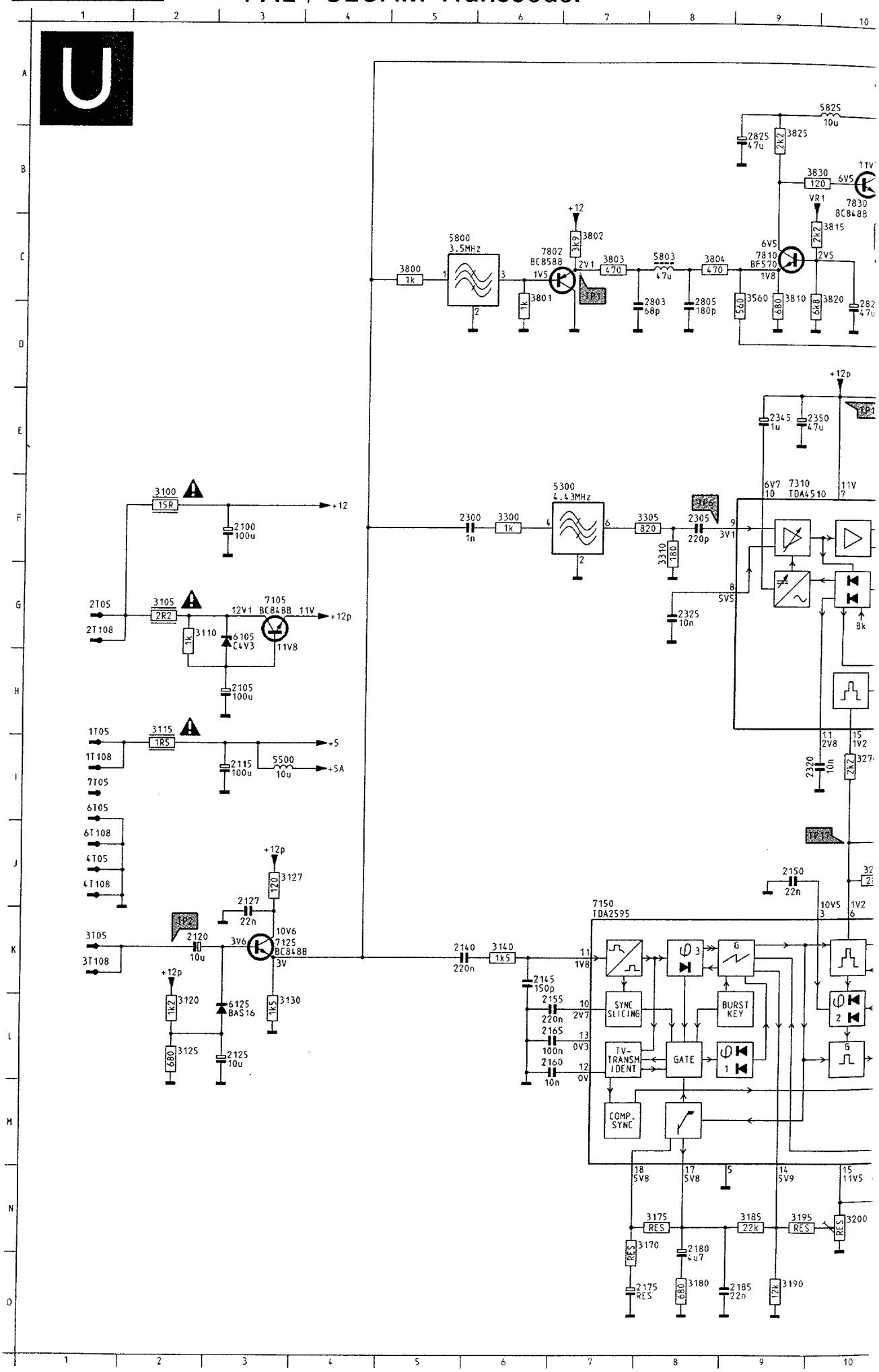



22 23 24 25 26 27 28 29 30 31 32 37
+13 3103 3R9
+13A 3112 2k2
TDA 8730
2103 68u
2104 10n
FE-BB Q87
SAT-BB Q89
T104
MAC-MON Q79
FROMAC Q72
TOMAC Q73
MAC-TXT Q48
MAC-AUD-R Q71
MAC-AUD-L Q49
SW-FSS-L Q39
COMB-ON/OFF Q84
SW-FSS-R Q38
MAC-CSYNC Q81
MAC-B Q47
MAC-G Q48
MAC-R Q45
FSS-CVBS Q58
P139
7144 +13STBY BUK445-508
3144 470k
+40STBY
+13 Q95
3142 10k
2142 220n
3145 220k
2144 330u
+5STBY
3141 4k7
3140 18k
7140 BC848B
7146 BUK445-508
+5
3146 470k
2145 470u
STBY
T105
GS-STATUS-KILL
LNC-SUPPLY
PWM-LNC
+25STBY
+13
+5
8STBY
SAT-BB
SW-SAT-BB
EXT-DESCR-VIDEO
SW-FSS-L
SW-FSS-R
FSS-L
FSS-R
EXT-DESCR-AUDIO
DEC-P8
+5V6 POLAR
POLAR-SKEW
T111
HEF-STROBE 2 Q83
MAC-CSYNC Q81
MAC-B Q47
MAC-G Q48
MAC-R Q45
SW-SAT-BB Q49
S111
T112
-8STBY Q106
+5 Q96
+5 Q95
MAC-AUD-R Q71
MAC-AUD-L Q49
S112
T110
MAC-TXT
ID
DA
CL
BUSY
SCL
SDA
+5STBY
T113
FSS-R Q86
FSS-L Q85
FE-BB Q87
FSS-CVBS Q58
SW-SAT-BB Q49
T113
T115
+5V6-POLAR-IN 5267 10u +5V6 POLAR Q26
+25STBY-IN 5271 10u +25STBY Q29
+40STBY-IN 5272 10u +40STBY Q28
+13STBY-IN 5270 10u +13STBY Q38
+5 STBY-IN 5269 10u +5 STBY Q31
+5STBY-IN
-8STBY-IN 5286 10u -8STBY Q106
Q48
T114
FSS-COINC Q67
SCL Q91
SDA Q92
HEF-STROBE-1 Q93
-8STBY Q106
+5 Q96
+13 Q95
T114
7101 BC848B
3126 100
3127 100
12V
2199 22p
5V4
3101 120
7196 BC848B
5V
4V4
3119 1K2
4196 0
3128 3k9
3125 1k
2194 390p
3100 120
2197 220u
3123 1k5
7191 BC848C
3124 10k
3121 270
2195 100p
2192 RES
3118 RES
3122 1k
7100 BC848B
0V
3108 4k7
2193 10n
3109 100k
3129 330
AGC Q75
+5STBY-B 5254 10u +40STBY Q28
+5STBY-A 5266 10u +13STBY Q38
2266 100n +5STBY Q31
+13 Q95
+5 Q96
PAL-DEEMPH Q88
7190 LM383N
+13B
+5STBY
3193 2k2
4190 0
CARR-DET Q74
3191 RES
2191 22u
3194 2k2
4192 0
AFC Q90
3196 RES
3113 100
7192 BC858
TP230
TP231
TP241
TP242
TP243
TP252
TP253
TP256
TP257
3148 100
O+P+R+ S+T
CHASS
CL165

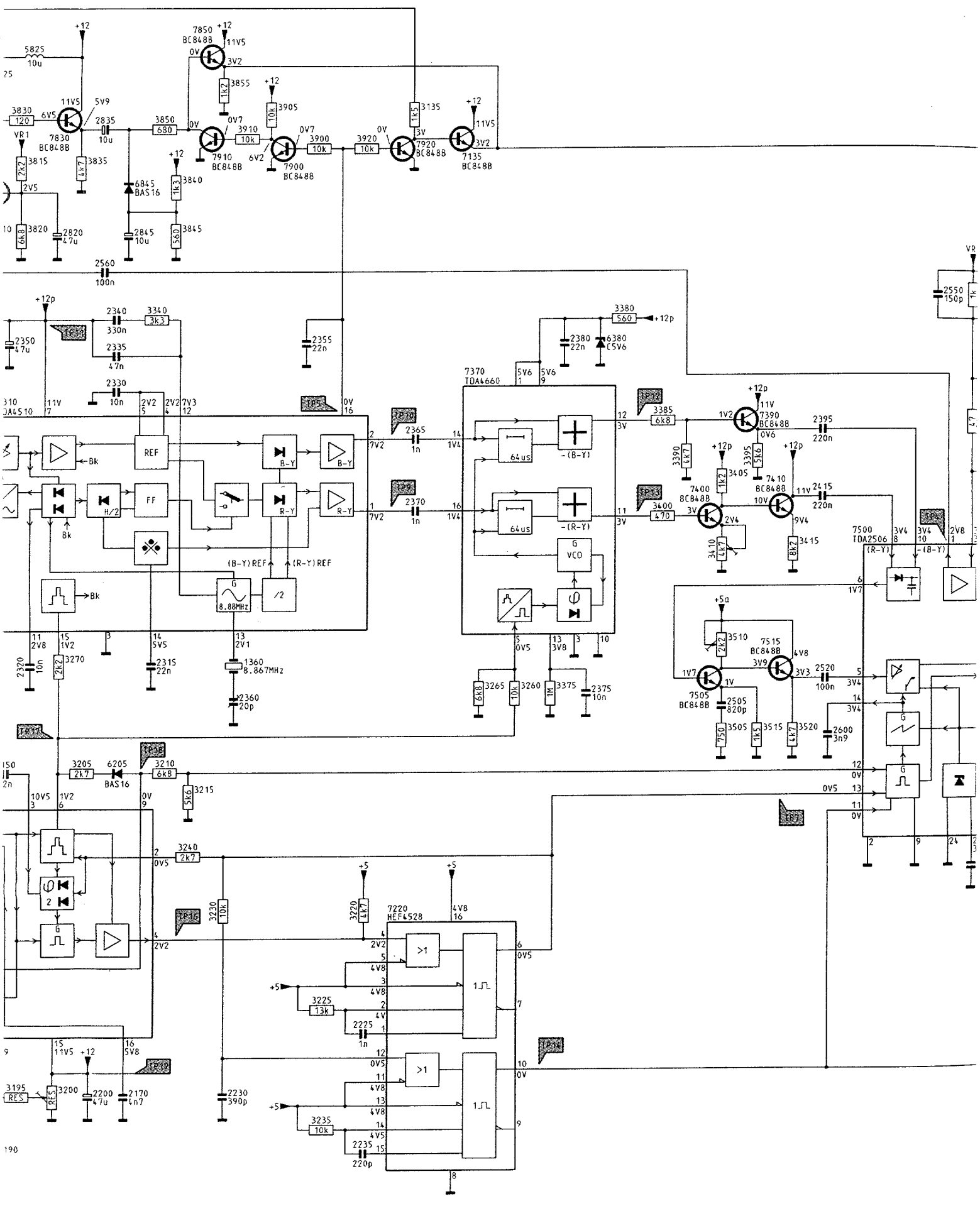


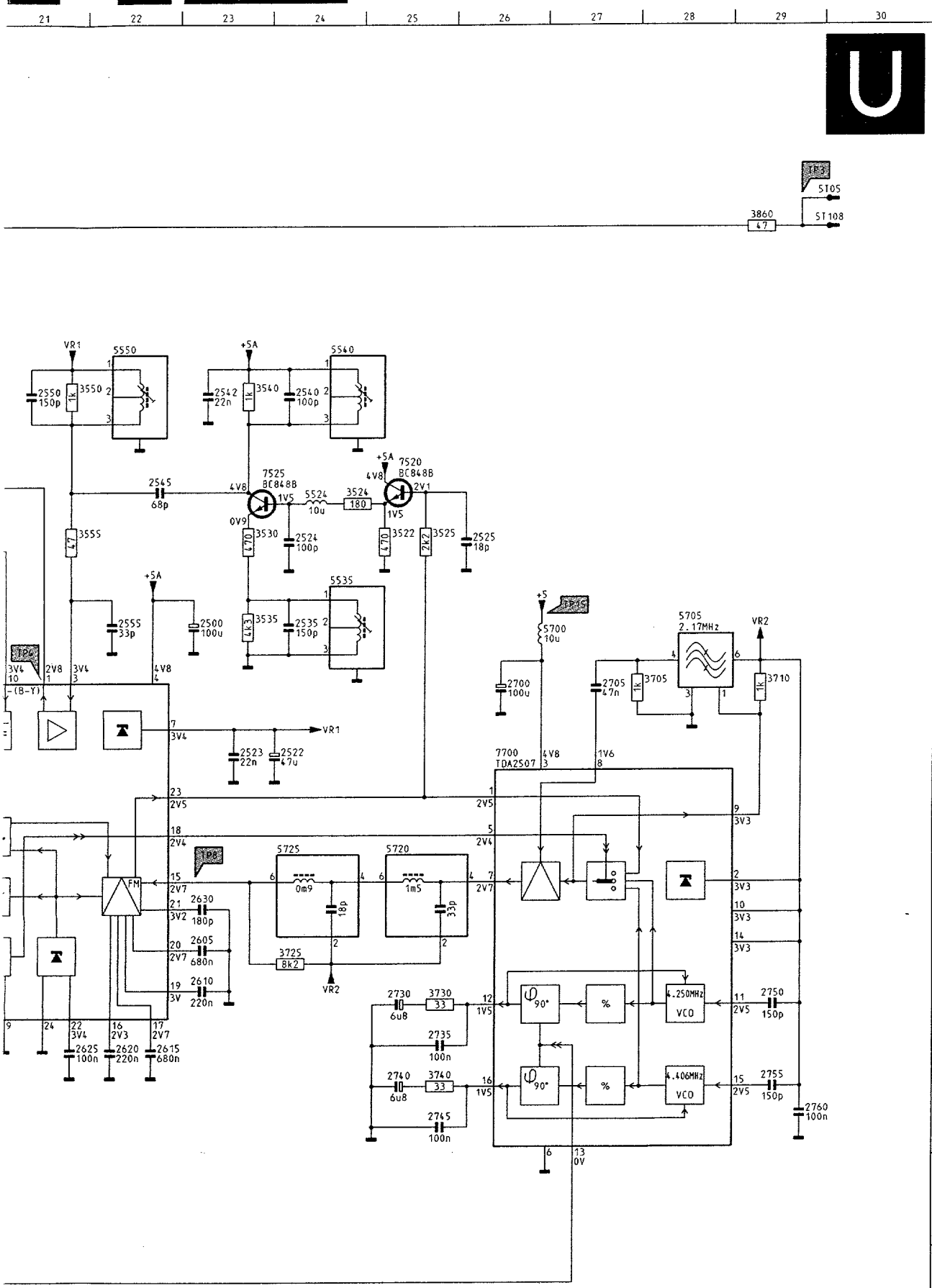
	1257	N12	3238	I 3
	2103	B23	3239	G 5
	2104	B24	3240	D 3
	2106	E18	3241	E 3
A	2108	E18	3242	E 3
	2109	E18	3244	C 6
	2115	F21	3245	D 4
	2116	F20	3246	E 4
	2133	K18	3247	M 6
	2135	F17	3252	F 2
	2136	F17	3253	F 3
	2142	A31	3254	F 2
B	2144	A32	4190	M23
	2145	C32	4192	N23
	2164	J17	4196	F23
	2165	J18	4253	H12
	2169	N16	4255	H14
	2170	M17	4258	N12
	2171	M18	5108	E18
	2173	N17	5254	J23
C	2181	K18	5260	A13
	2182	J18	5262	E13
	2185	O18	5264	I13
	2188	O20	5266	J23
	2190	O21	5267	I28
	2191	N24	5269	J28
	2192	H22	5270	J28
D	2193	I24	5271	I28
	2194	F23	5272	J28
	2195	G24	5286	L28
	2197	G24	6106	E17
	2199	E25	6136	F16
	2230	M 5	6167	I19
	2231	C 5	6178	M20
	2232	H 5	6203	D 2
E	2233	G 3	6241	D 3
	2234	C 4	6246	E 4
	2235	L 5	7100	H24
	2237	C 5	7101	E25
	2238	H 4	7120	K19
	2239	H 5	7140	B30
	2245	D 4	7144	A32
F	2257	M12	7146	B32
	2258	N12	7167	I18
	2260	A13	7170	M17
	2262	E13	7175	M18
	2264	I14	7185	N18
	2266	K23	7186	N19
	3100	F24	7190	M22
	3101	F25	7191	G23
G	3103	A23	7192	D25
	3106	D17	7196	F24
	3108	H23	7240	D 3
	3109	I25	7242	A 5
	3112	A25	7243	A 4
	3113	C24	7245	D 4
	3115	E20	7247	N 5
	3116	E19	7250	A 6
H	3118	H23	7260	B12
	3119	F23	7262	E12
	3120	K19	7264	I12
	3121	G23		
	3122	H24		
	3123	G22		
	3124	G22		
I	3125	F22		
	3126	E24		
	3127	E24		
	3128	F23		
	3129	I25		
	3140	B30		
	3141	B30		
	3142	A30		
J	3144	A30		
	3145	A31		
	3146	B31		
	3148	C28		
	3165	I17		
	3167	I18		
	3168	I19		
K	3170	L17		
	3174	M18		
	3175	M18		
	3177	L20		
	3178	L19		
	3180	L21		
	3181	K17		
	3182	J18		
L	3183	J17		
	3184	M20		
	3186	N19		
	3187	L19		
	3188	N20		
	3189	M20		
	3191	M23		
M	3193	M23		
	3194	N23		
	3195	F18		
	3196	N23		
	3220	A 5		
	3221	A 4		
	3224	I 6		
	3225	I 2		
N	3226	I 2		
	3227	I 3		
	3228	I 2		
	3229	I 2		
	3231	C 6		
	3232	H 6		
	3233	G 6		
	3234	G 6		
O	3235	L 6		
	3235	N 6		
	3236	B 5		
	3237	C 6		
	3238	G 4		

PAL / SECAM Transcoder



Transcodeur PAL / SECAM



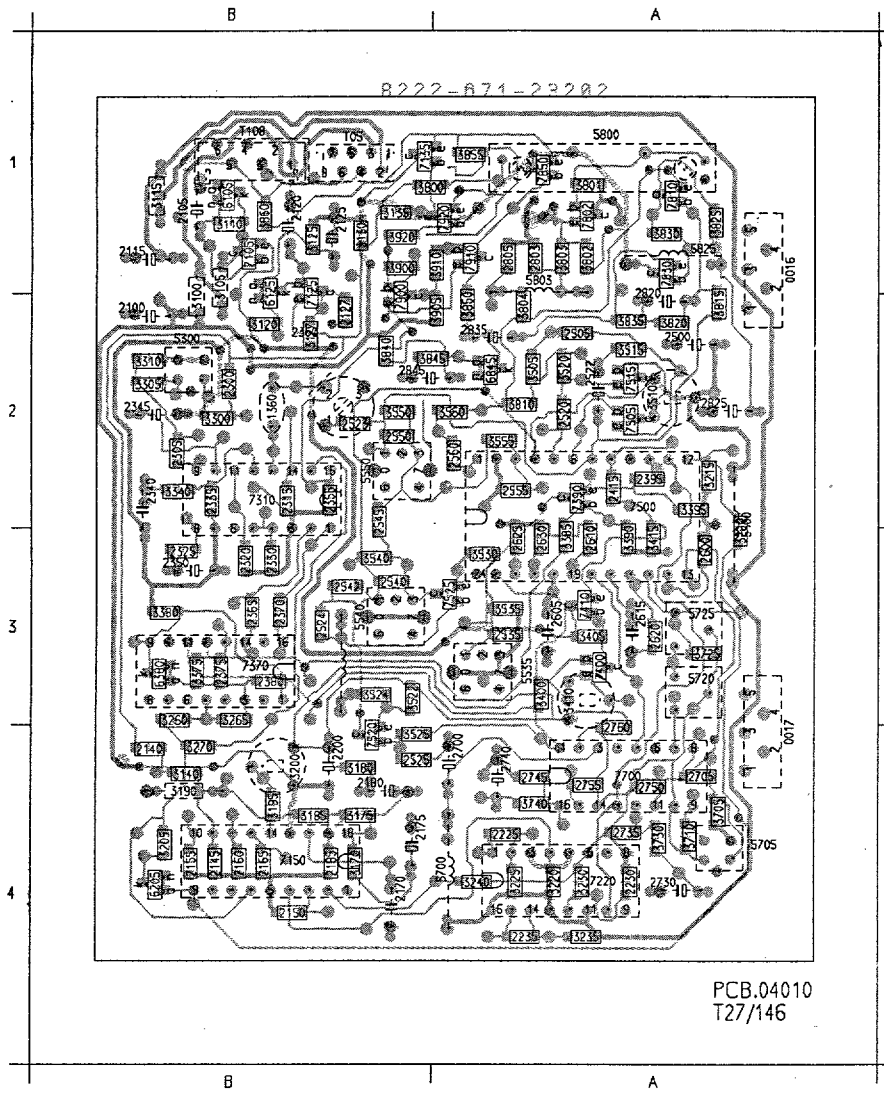


CHASSIS FL1

CL16532056/011,UREF
130392

	1360	I 12	3505	J18
	2100	F 3	3510	H18
	2105	H 3	3515	J19
	2115	I 3	3520	J19
A	2120	K 2	3522	F25
	2125	L 3	3524	E24
	2127	J 3	3525	F25
	2140	K 5	3530	F23
	2145	K 6	3535	G23
	2150	J 9	3540	D23
	2155	L 7	3550	D21
	2160	L 7	3555	F21
B	2165	L 7	3560	C 9
	2170	N11	3705	G28
	2175	O 8	3710	G29
	2180	N 8	3725	J24
	2185	O 9	3730	K25
	2200	N10	3740	L25
	2225	M14	3800	C 5
	2230	N12	3801	C 6
C	2235	O14	3802	C 7
	2300	F 5	3803	C 7
	2305	F 8	3804	C 8
	2315	I 11	3810	C 9
	2320	I 10	3815	C10
	2325	G 8	3820	C10
	2330	E11	3825	B 9
D	2335	E11	3830	B 9
	2340	E11	3835	C10
	2345	E 9	3840	C11
	2350	E 9	3845	C11
	2355	E13	3850	B11
	2360	I 12	3855	B12
	2365	F14	3860	B29
	2370	G14	3900	B13
E	2375	I 17	3905	B13
	2380	E16	3910	B12
	2395	F19	3920	B14
	2415	G19	5300	F 6
	2500	G23	5500	I 3
	2505	I 18	5524	E24
	2520	I 19	5535	F24
F	2522	H24	5540	D24
	2523	H23	5550	D22
	2524	F24	5700	G26
	2525	F26	5705	G28
	2535	G24	5720	I25
	2540	D24	5725	I24
	2542	D23	5800	C 5
	2545	E22	5803	C 8
G	2550	D21	5825	A10
	2555	G22	6105	G 3
	2560	D11	6125	L 3
	2600	J20	6205	J11
	2605	J23	6380	E17
	2610	K23	6845	C11
	2615	K22	7105	G 3
H	2620	K22	7125	K 3
	2625	K21	7135	C15
	2630	J23	7150	J 7
	2700	G26	7220	L14
	2705	G27	7310	F 9
	2730	K25	7370	E15
	2735	K25	7390	F19
	2740	L25	7400	G18
I	2745	L25	7410	G19
	2750	K29	7500	G20
	2755	L29	7505	I18
	2760	L29	7515	I19
	2803	D 7	7520	E25
	2805	D 8	7525	E23
	2820	D10	7700	H26
J	2825	B 9	7802	C 7
	2835	B11	7810	C 9
	2845	D11	7830	B10
	3100	F 2	7850	A12
	3105	G 2	7900	C13
	3110	G 2	7910	C12
	3115	H 2	7920	B14
	3120	L 2		
K	3125	L 2		
	3127	J 3		
	3130	L 3		
	3135	B14		
	3140	K 6		
	3170	N 8		
	3175	N 8		
L	3180	O 8		
	3185	N 9		
	3190	O 9		
	3195	N 9		
	3200	N10		
	3205	J10		
	3210	J11		
	3215	J12		
M	3220	L14		
	3225	M13		
	3230	L12		
	3235	O13		
	3240	K12		
	3260	I 16		
	3265	I 15		
	3270	I 10		
N	3300	F 6		
	3305	F 8		
	3310	F 8		
	3340	D11		
	3375	I 16		
	3380	D17		
	3385	F17		
	3390	F18		
O	3395	F19		
	3400	G17		
	3405	F18		
	3410	G18		
	3415	G19		

PAL / SECAM transcoder panel
PAL / SECAM Transcoder Platine
platine transcodeur PAL / SECAM



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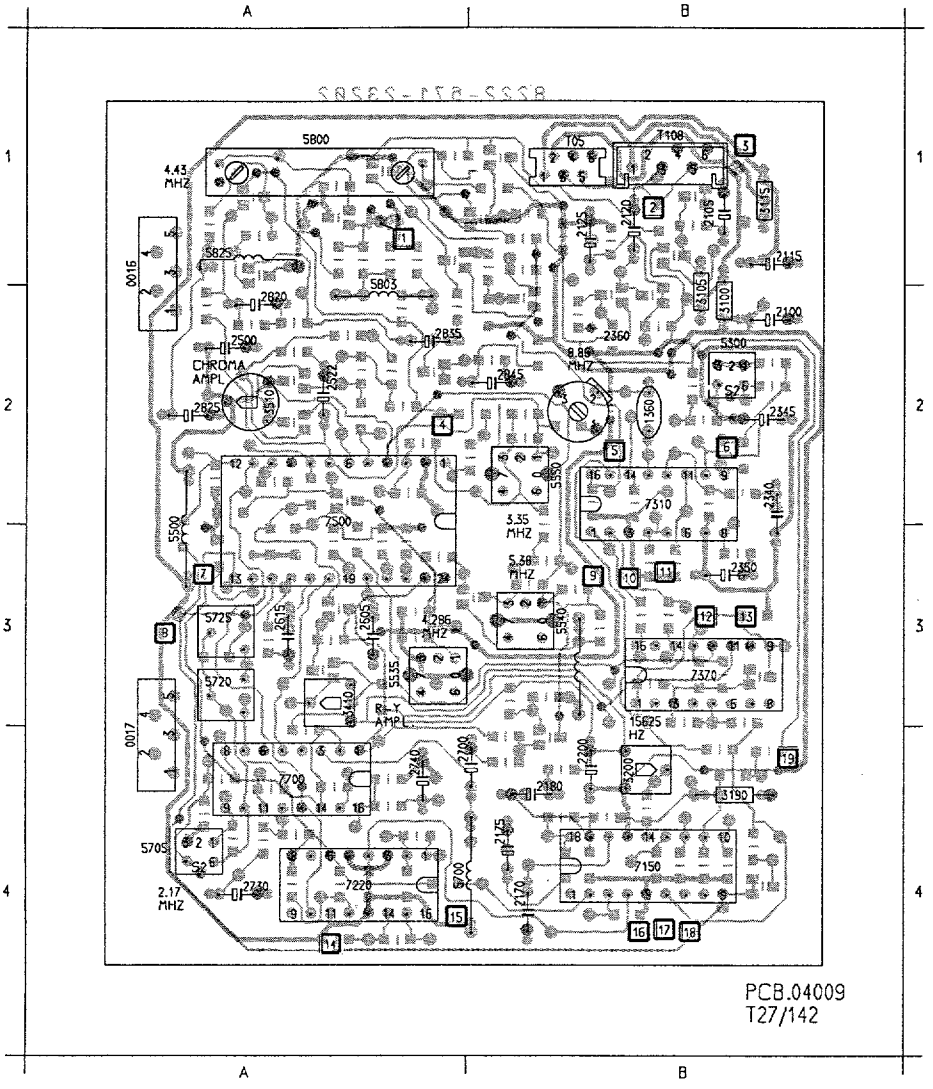
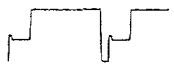
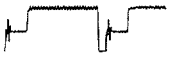
0017	4A	3105	2B	3920	1B
1360	2B	3110	1B	5300	2B
2100	2B	3115	1B	5500	3A
2105	1B	3120	2B	5535	3A
2115	1B	3125	1B	5540	3B
2120	1B	3127	2B	5550	2B
2125	1B	3130	1B	5700	4A
2127	2B	3135	1B	5705	4A
2140	4B	3140	4B	5720	3A
2145	4B	3170	4B	5725	3A
2150	4B	3175	4B	5800	1A
2155	4B	3180	4B	5803	1A
2160	4B	3185	4B	5825	1A
2165	4B	3190	4B	6105	1B
2170	4B	3195	4B	6125	2B
2175	4B	3200	4B	6205	4B
2180	4B	3205	4B	6380	3B
2185	4B	3210	3A	6845	2A
2200	4B	3215	2A	7105	1B
2225	4A	3220	4A	7125	2B
2230	4A	3225	4A	7135	1B
2235	4A	3230	4A	7150	4B
2300	2B	3235	4A	7220	4A
2305	2B	3240	4A	7310	2B
2315	2B	3260	3B	7370	3B
2320	3B	3265	3B	7390	2A
2325	3B	3270	4B	7400	3A
2330	3B	3300	2B	7410	3A
2335	2B	3305	2B	7500	2A
2340	2B	3310	2B	7505	2A
2345	2B	3340	2B	7515	2A
2350	3B	3375	3B	7520	4B
2355	2B	3380	3B	7525	3A
2360	2B	3385	3A	7700	4A
2365	3B	3390	3A	7802	1A
2370	3B	3395	2A	7810	1A
2375	3B	3400	3A	7830	1A
2380	3B	3405	3A	7850	1A
2395	2A	3410	3A	7900	2B
2415	2A	3415	3A	7910	1A
2500	2A	3505	2A	7920	1A
2505	2A	3510	2A	T05	1B
2520	2A	3515	2A	T108	1B
2522	2A	3520	2A		
2523	2B	3522	3B		
2524	3B	3524	3B		
2525	4B	3525	4B		
2535	3A	3530	3A		
2540	3B	3535	3A		
2542	3B	3540	3B		
2545	3B	3550	2B		
2550	2B	3555	2A		
2555	2A	3560	2A		
2560	2A	3705	4A		
2600	3A	3710	4A		
2605	3A	3725	3A		
2610	3A	3730	4A		
2615	3A	3740	4A		
2620	3A	3800	1B		
2625	3A	3801	1A		
2630	3A	3802	1A		
2700	4A	3803	1A		
2705	4A	3804	2A		
2730	4A	3810	2A		
2735	4A	3815	2A		
2740	4A	3820	2A		
2745	4A	3825	1A		
2750	4A	3830	1A		
2755	4A	3835	2A		
2760	4A	3840	2B		
2803	1A	3845	2B		
2805	1A	3850	2A		
2820	2A	3855	1A		
2825	2A	3860	1B		
2835	2A	3900	1B		
2845	2B	3905	2A		



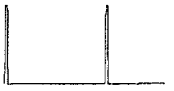
0016 2A
0017 4A
1360 2B
2100 2B
2105 1B
2115 1B
2120 1B
2125 1B
2170 4B
2175 4B
2180 4B
2200 4B
2340 2B
2345 2B
2350 3B
2360 2B
2500 2A
2522 2A
2605 3A
2615 3A
2700 4B
2730 4A
2740 4A
2820 2A
2825 2A
2835 2A
2845 2B
3100 2B
3105 2B
3115 1B
3190 4B
3200 4B
3410 3A
3510 2A
5300 2B
5500 3A
5535 3A
5540 3B
5550 2B
5700 4A
5705 4A
5720 3A
5725 3A
5800 1A
5803 2A
5825 1A
7150 4B
7220 4A
7310 2B
7370 3B
7500 3A
7700 4A
T05 1B
T108 1B



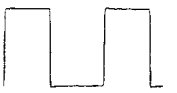
TP1
0V2/DIV 10μs/DIV



TP2
0V5/DIV 10μs/DIV



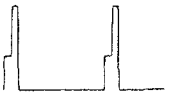
TP14
1V/DIV 10μs/DIV



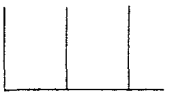
TP16
1V/DIV 10μs/DIV

TP3
0V5/DIV 10μs/DIV

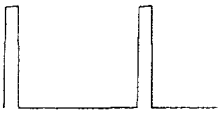
TP4
20mV/DIV 20μs/DIV



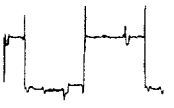
TP17
2V/DIV 10μs/DIV



TP18
2V/DIV 5ms/DIV



TP7
1V/DIV 10μs/DIV



TP8
0V2/DIV 50μs/DIV

Electrical settings

ADJUSTMENTS - GENERAL

Before beginning with the adjustments, the unit should first warm up for 10 minutes.
For measuring secondary voltages, use the tuner earth as ground, unless indicated otherwise.
The measuring of oscillograms and frequencies is to be carried out with a probe ≥ 10MΩ, ≤ 3pF.

1 Adjustments on the SAT box

1.1 Power panel

+5V supply voltage. Measure the DC voltage across capacitor C2607. Set this value to 5.15V ± 50mV with the aid of resistor R3624.

1.2 Tuner/control panel

AFC. Select a PAL transmission.
Turn the dish antenna so that the signal-to-noise ratio decreases until specks appear in the picture.
Set resistor R3180 so that the voltage on pin 7 of IC7190 switches between 5V and 0V. The voltage may not be continuously 5V or 0V.
Turn the dish back to its original position for an optimal signal.

1.3 FSS-panel

FSS-PAL settings. In order to perform the adjustments indicated below, the following measurement instruments are required:
Oscilloscope
AC millivoltmeter
Function generator, for example PM5138
Frequency counter

1.3.1 FSS-PAL mono audio
Unless indicated otherwise, the settings are as follows:
frequency FM carrier 6.575MHz
LF modulation lkHz
frequency sweep 46kHz (DEV 0.70%)
signal amplitude 50mV$_{rms}$

Do not apply an antenna signal.
The input signal should be delivered at the connection between the resistors R3808 and R3101.

It is recommended that the following adjustments be performed in the order indicated below.

1.3.2 Bandpass filter input
Switch LF modulation off.
Short-circuit pin 13 of IC7800 to ground.
Short-circuit pin 4 of coil L5813 to ground.
In the control menu select "mono sound carrier no. 1".
Measure on pin 3 of coil L5811. Set L5811 to maximum signal amplitude at 6.575MHz.
Remove the short-circuit of pin 6 of coil L5813 to ground.
Measure on pin 5 of coil L5813. Set L5813 to a symmetrical curve around 6.575MHz (0dB point) and the -6dB points:
- set the frequency to 6.075MHz and measure the amplitude.
- set the frequency to 7.075MHz and measure the amplitude.

The two amplitudes must be more or less equal.
Set the frequency to 6.575MHz again.

1.3.3 Discriminator (L)
Switch on LF modulation.
The FSS mono audio circuit must be given a reset: switch to another program number and then back again.
The DC voltage at the connection between C2863 and R3863 must be 2.5V ± 0.2V.
Measure at the connection between C2858 and R3858.
Set coil L5836 to maximum signal amplitude.

1.3.4 Amplitude detector (L)
Measure at the connection between C2858 and R3858.
Set resistor R3858 to a voltage of 175mV AC.

1.3.5 AFC
Measure at the connection between C2858 and R3858.
Set resistor R3862 to minimum value, second harmonic distortion.
Remove the short-circuit of pin 13 IC7300 to ground.

1.3.6 Discriminator (R)
Short-circuit pin 3 of IC7800 to ground.
Set the function generator as follows:
frequency 7.20MHz
LF modulation switched on
frequency sweep 27kHz (DEV = 0.37%)
signal amplitude 50mV$_{rms}$
In the control menu select "Stereo sound carrier no. 1".
Measure at the connection between C2853 and R3853.
Using coil L5832 set the signal amplitude to maximum value.

1.3.7 Amplitude (R)
Measure at the connection between C2853 and R3853.
With resistor R3853 set the signal amplitude to 115mV AC. Remove the short-circuit of pin 3 IC7800 to ground.

1.3.8 FSS video
Short-circuit pin 11 of IC7750 to ground. Connect a counter at pin 4 of IC7750. With resistor R3761 adjust the measured frequency to 15.625kHz.
Remove the short-circuit of pin 11 IC7750 to ground.

1.4 Interface panel

Adjustment of the PAL encoder. Connect a frequency counter to pin 18 of IC7443. Adjust capacitor C2430 so that the measured frequency is 4.433619MHz ± 25Hz.

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1.5 Adjust

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(Ug_R-Ub_R = 5
Store the va

Go to servic

4 Cut off

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between the
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Electrical settings

1.5 Adjustments on the D2-MAC decoder panel

The following measurement equipment is required in order to perform these settings:
oscilloscope
D2-MAC signal.

Select a station which is broadcasting a D2-MAC signal, preferably a test-picture signal. There must in any case be a sufficient amount of black and white in the signal.

Go to service mode "Service 3"

1 D2-MAC VCO

In the service mode proceed to the "VCO" setting. The picture is now no longer synchronised.
Set the value so that the picture is more or less still.
Store this value in the memory.

2 Luminance delay

In the service mode proceed to the "Luminance delay" setting. Adjust the value so that the black-and-white signal is at the same position as the colour signal. Store this value in the memory.

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 7).

Go to service mode "Service 4"

3 White drive

For the adjustment of White Drive and Cutoff the D2-MAC system must be selected (installation).
The D2-MAC panel automatically generates the following test pattern:

Connect a probe between pin 19 of connector T104 on the Tuner control (earth) and pin 18 of T104 (red).
In the service mode proceed to "white-drive red" adjustment.
Adjust the white drive of the red signal so that the difference between the black-and-grey level 520mV$_{pp}$ is (Ug_R-Ub_R = 520mV$_{pp}$ ± 30mV), see figure 1.
Store the value in the memory.

Go to service mode "Service 5"

4 Cut off

In the service mode proceed to "Cut-off red".
Adjust the cut-off of the red signal so that the difference between the black-blanking level 40mV is (Ub_R-Ubl_R = 40mVpp), see figure 1.
Store the value in the memory.

Make the same adjustments for green (pin 17 of T104) and blue (pin 16 of T104). Select the corresponding settings in the Service Mode menu.

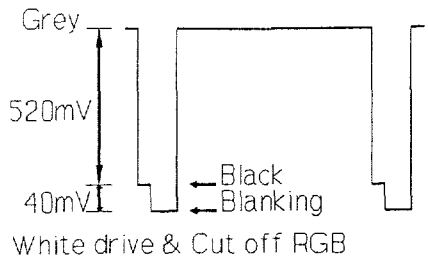

Fig. 1.

Electrical settings

2 Settings on PAL/SECAM transcoder

Remove C2120 on the -side. Connect a generator, as described in the settings below, to the -side of C2120.

2.1 PAL decoder

Supply a 4.436MHz, 600mV$_{pp}$ signal (from e.g. generator PM5138).
Short circuit pin 11 of IC7310 to earth. Measure with a frequency counter at pin 2 of IC7310. With C2360 set the frequency to 3kHz ± 50Hz (the low-frequency signal must be measured). Remove the short circuit.

2.2 PAL chrominance band-stop filter

Use the same generator signal as for setting 2.1.
Connect a capacitor of at least 470nF between pin 23 of IC7500 and earth. Measure with a frequency counter on TP1 (emitter of TS7802). Set L5800 (only the grey core, **not the red**) to the minimum value of the 4.43MHz signal.

2.3 Amplitude difference (R-Y) and (B-Y)

Connect a low-frequency PAL colour bar signal (e.g. generator PM5518).
Measure with an oscilloscope at pin 6 of IC7500. With R3410 set the amplitudes of (R-Y) and (B-Y) to the same peak-to-peak value ± 5%, see figure 2.1.

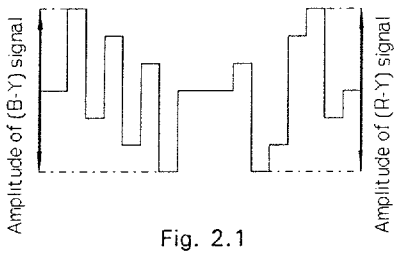

Fig. 2.1

2.4 Relative amplitude (R-Y) and (B-Y)

Use the same generator signal as for setting 2.3.
Measure with an oscilloscope at pin 5 of IC7500. With R3510 set the amplitude to 0V5$_{pp}$ ± 25mV. **Note:** the amplitude should be measured in front of the low-frequency signals, see figure 2.2.

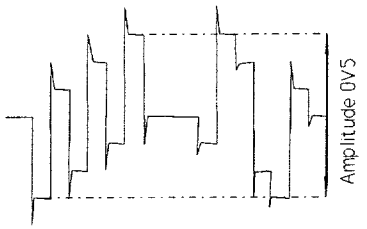

Fig. 2.2

2.5 Anti-clock filter

Supply a 5.38MHz, 350mV$_{pp}$ signal (from e.g. generator PM5138).
Measure with an oscilloscope at pin 3 of IC7500. Set the amplitude to the **maximum** value with L5540. Set the generator frequency to 3.35MHz. Measure at the same point and set the amplitude to the **maximum** value with L5550. Set the generator frequency to 4.286MHz. Measure at the same point and set the amplitude to the **minimum** value with L5535.

2.6 Reference signal for FM modulator

Connect a low-frequency PAL colour bar signal (e.g. generator PM5518).
Using a DC voltmeter, measure at pin 15 of IC7500. Set the measured value to 2V75 ± 50mV with L5705.

The oscillograms are measured under the following conditions:
Select the D2MAC system.
Go to the service mode and select the Cut-off RED setting here.
The following picture appears on the screen: 
This is a defined mode.

SAT interface panel P

Connectors

	4822 265 51323	terminal strip 28P
	4822 265 30351	5P male grey
	4822 265 30828	5P male blue
	4822 267 40696	3P male grey
	4822 265 51325	socket 20P
	4822 267 40697	6P male grey
	4822 265 30378	4P male grey
	4822 265 30525	2P male grey

Various parts

1255	4822 212 23928	SAT INTERFACE
1255	4822 212 23988	SAT INTERFACE /19
1430	4822 242 70933	crystal 4,433 619 MHz

Capacitors

2031	4822 122 31765	100pF 5% 50V
2035	4822 122 31947	100nF 20% 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 31947	100nF 20% 63V
2048	4822 122 32927	220nF
2049	4822 122 32927	220nF
2050	4822 122 32927	220nF
2051	4822 122 32927	220nF
2052	4822 122 32927	220nF
2053	4822 122 32927	220nF
2054	4822 122 32927	220nF
2055	4822 122 32927	220nF
2056	4822 122 31947	100nF 20% 63V
2062	4822 124 20688	33µF 50% 16V
2063	4822 122 32927	220nF
2065	4822 122 31765	100pF 5% 50V
2214	4822 122 31765	100pF 5% 50V
2215	4822 122 32927	220nF
2216	4822 124 40272	33µF 20% 16V
2217	4822 124 22606	68µF 20% 16V
2218	4822 124 22606	68µF 20% 16V
2219	4822 124 22606	68µF 20% 16V
2430	5322 125 50243	50pF trim.
2431	4822 122 31965	220pF 5% 63V
2432	4822 122 31965	220pF 5% 63V
2435	4822 124 20677	22µF 50% 10V
2438	4822 124 20677	22µF 50% 10V
2440	4822 124 20677	22µF 50% 10V
2443	4822 121 43066	1nF 5% 400V
2445	4822 122 32442	10nF 50V
2446	4822 122 33496	100nF 10% 63V
2448	4822 122 33496	100nF 10% 63V
2451	4822 122 31772	47pF 5% 50V
2452	4822 122 31808	150pF 10% 50V
2453	4822 122 32442	10nF 50V
2457	4822 122 33496	100nF 10% 63V
2459	4822 122 33496	100nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2470	4822 122 33205	12pF 10% 63V
2480	4822 122 32442	10nF 50V
2482	4822 122 33496	100nF 10% 63V
2492	4822 122 33496	100nF 10% 63V

Resistors

3003	4822 051 10279	27Ω 2% 0,25W
3003	4822 051 10339	33Ω 2% 0,25W
3010	4822 051 10103	10k 2% 0,25W
3011	4822 051 10271	270Ω 2% 0,25W
3012	4822 051 10271	270Ω 2% 0,25W
3013	4822 051 10471	470Ω 2% 0,25W
3015	4822 051 10103	10k 2% 0,25W
3016	4822 051 10271	270Ω 2% 0,25W
3017	4822 051 10271	270Ω 2% 0,25W
3020	4822 051 10103	10k 2% 0,25W
3021	4822 051 10271	270Ω 2% 0,25W
3022	4822 051 10271	270Ω 2% 0,25W
3023	4822 051 10221	220Ω 2% 0,25W
3025	4822 051 10103	10k 2% 0,25W
3026	4822 051 10271	270Ω 2% 0,25W
3027	4822 051 10271	270Ω 2% 0,25W
3030	4822 051 10103	10k 2% 0,25W
3031	4822 051 10271	270Ω 2% 0,25W
3032	4822 051 10271	270Ω 2% 0,25W
3035	4822 051 10271	270Ω 2% 0,25W
3036	4822 051 10271	270Ω 2% 0,25W
3040	4822 051 10123	12k 2% 0,25W
3041	4822 051 10123	12k 2% 0,25W
3042	4822 051 10101	100Ω 2% 0,25W
3043	4822 051 10689	68Ω 2% 0,25W
3047	4822 051 10472	4k7 2% 0,25W
3048	4822 051 10331	330Ω 2% 0,25W
3050	4822 051 10331	330Ω 2% 0,25W
3051	4822 051 10361	360Ω 2% 0,25W
3052	4822 051 10331	330Ω 2% 0,25W
3053	4822 051 10361	360Ω 2% 0,25W
3054	4822 051 10331	330Ω 2% 0,25W
3055	4822 051 10361	360Ω 2% 0,25W
3056	4822 051 10361	360Ω 2% 0,25W
3057	4822 051 10151	150Ω 2% 0,25W
3058	4822 051 10361	360Ω 2% 0,25W
3059	4822 051 10151	150Ω 2% 0,25W
3060	4822 051 10361	360Ω 2% 0,25W
3061	4822 051 10151	150Ω 2% 0,25W
3062	4822 051 10103	10k 2% 0,25W
3063	4822 051 20222	2k2 5% 0,1W
3064	4822 051 10472	4k7 2% 0,25W
3065	4822 051 10102	1k 2% 0,25W
3066	4822 051 10302	3k 2% 0,25W
3067	4822 051 10182	1k8 2% 0,25W
3068	4822 051 10681	680Ω 2% 0,25W
3210	4822 116 81217	2Ω2 5% 0,33W
3211	4822 116 83584	5Ω6 5% 0,33W
3212	4822 116 81193	15Ω 5% 0,33W
3213	4822 116 52219	330Ω 5% 0,5W
3214	4822 051 10118	1Ω 5% 0,5W
3215	4822 116 52217	270Ω 5% 0,5W
3218	4822 051 10102	1k 2% 0,25W
3219	4822 051 10103	10k 2% 0,25W
3220	4822 051 10104	100k 2% 0,25W
3222	4822 051 10472	4k7 2% 0,25W
3223	4822 051 10563	56k 2% 0,25W
3224	4822 051 10473	47k 2% 0,25W
3443	4822 051 10563	56k 2% 0,25W
3452	4822 051 10689	68Ω 2% 0,25W
3453	4822 051 10103	10k 2% 0,25W
3454	4822 051 10822	8k2 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10471	470Ω 2% 0,25W
3457	4822 051 10829	82Ω 2% 0,25W
3465	4822 051 10102	1k 2% 0,25W
3466	4822 051 10102	1k 2% 0,25W
3470	4822 051 10102	1k 2% 0,25W
3471	4822 051 10101	100Ω 2% 0,25W
3473	4822 051 10102	1k 2% 0,25W
3474	4822 051 10471	470Ω 2% 0,25W
3476	4822 051 10102	1k 2% 0,25W
3490	4822 051 10829	82Ω 2% 0,25W
3492	4822 051 10391	390Ω 2% 0,25W

Jumpers

4041	4822 051 10008	0Ω 5% 0,25W
4043	4822 051 10008	0Ω 5% 0,25W
4044	4822 051 10008	0Ω 5% 0,25W
4210	4822 051 10008	0Ω 5% 0,25W
4212	4822 051 10008	0Ω 5% 0,25W
4214	4822 051 10008	0Ω 5% 0,25W
4456	4822 116 80176	1Ω 5% 0,5W

Coils

5031	4822 152 20677	10µH 10%
5450	4822 157 62335	
5464	4822 320 40232	delay 350nS
5470	4822 157 52265	100µH 10%

Diodes

6040	4822 130 80446	LL4148
6041	4822 130 80446	LL4148
6215	4822 130 82192	LLZ-C8V2

Transistors / ICs

7010	4822 130 61207	BC848
7015	4822 130 61207	BC848
7020	4822 130 61207	BC848
7025	4822 130 61207	BC848
7030	4822 130 61207	BC848
7035	5322 209 10576	4053B
7040	4822 209 63232	TEA6414
7050	4822 209 60479	TEA5114A
7063	4822 130 61207	BC848
7064	4822 130 61207	BC848
7065	4822 209 73852	PMBT2369
7066	4822 209 73852	PMBT2369
7200	4822 209 10263	4052B
7210	5322 209 10576	4053B
7214	4822 209 73852	PMBT2369
7215	4822 130 61207	BC848
7220	5322 130 42136	BC848C
7443	4822 209 71415	MC1377P
7457	5322 130 41982	BC848B
7473	5322 130 41982	BC848B
7490	5322 130 41982	BC848B

MAC

Connec

Various

1001
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MAC panel S

Connectors

	4822 265 61259	IC socket 68P
	4822 267 50887	IC socket 8P
	4822 265 61258	IC socket 44P
	5322 255 44047	IC socket 28P
	4822 265 30351	5P male grey
	4822 265 40472	10P female gold plated

Various parts

1001	4822 212 23936	MAC PANEL
1340	4822 242 73631	crystal 18,432 000 MHz
1350	4822 242 71417	crystal 13,875 000 MHz
1365	4822 242 73632	crystal 20,250 000 MHz

2302	4822 122 33496	100nF 10% 63V
2310	5322 122 31842	330pF 5% 63V
2312	4822 122 32482	22pF 5% 63V
2317	4822 124 40435	10µF 20% 50V
2318	4822 122 31746	1000pF 5% 50V
2320	4822 122 33496	100nF 10% 63V
2323	4822 122 33496	100nF 10% 63V
2325	4822 124 22606	68µF 20% 16V
2326	4822 122 33496	100nF 10% 63V
2329	4822 122 33496	100nF 10% 63V
2330	4822 124 40684	150µF 20% 6,3V
2332	4822 122 33496	100nF 10% 63V
2333	4822 122 33496	100nF 10% 63V
2335	4822 122 31765	100pF 5% 50V
2337	4822 122 33496	100nF 10% 63V
2339	4822 122 32862	10nF 80% 50V
2345	4822 124 22606	68µF 20% 16V
2350	4822 122 31825	27pF 10% 50V
2351	4822 122 31825	27pF 10% 50V
2352	4822 122 31797	22nF 10% 63V
2355	4822 122 33496	100nF 10% 63V
2360	4822 122 33496	100nF 10% 63V
2365	4822 122 32542	47nF 10% 63V
2366	4822 122 31772	47pF 5% 50V
2370	4822 122 31772	47pF 5% 50V
2371	4822 122 32542	47nF 10% 63V
2375	4822 124 22606	68µF 20% 16V
2378	4822 122 33496	100nF 10% 63V
2379	4822 124 41643	100µF 20% 16V
2392	4822 122 33496	100nF 10% 63V
2396	4822 122 32442	10nF 50V
2397	4822 122 32542	47nF 10% 63V
2398	4822 124 40684	150µF 20% 6,3V
2402	4822 124 41576	2,2µF 20% 50V
2405	4822 122 31773	560pF 5% 50V
2411	4822 124 41576	2,2µF 20% 50V
2414	4822 122 31773	560pF 5% 50V
2450	4822 122 32442	10nF 50V
2461	5322 124 41299	68µF 20% 25V
2464	4822 122 33496	100nF 10% 63V
2466	4822 122 33496	100nF 10% 63V
2467	4822 124 40435	10µF 20% 50V
2468	4822 122 33496	100nF 10% 63V
2469	4822 124 40684	150µF 20% 6,3V
2475	4822 124 40196	220µF 20% 16V
2477	4822 122 31971	10pF 10% 50V
2478	4822 124 41643	100µF 20% 16V
2480	4822 122 33496	100nF 10% 63V
2485	4822 122 33496	100nF 10% 63V
2491	4822 122 31772	47pF 5% 50V
2492	4822 124 41678	22µF 20% 25V
2493	4822 122 33496	100nF 10% 63V
2497	4822 121 51252	470nF 5% 63V

3301	4822 051 10124	120k 2% 0,25W
3302	4822 116 90536	120Ω 1% 0,125W
3303	4822 051 10393	39k 2% 0,25W
3304	4822 051 10394	390k 2% 0,25W
3305	4822 051 10394	390k 2% 0,25W
3306	4822 051 10223	22k 2% 0,25W
3307	4822 051 10102	1k 2% 0,25W
3308	4822 051 10102	1k 2% 0,25W
3309	4822 051 10472	4k7 2% 0,25W
3310	4822 051 20183	18k 5% 0,1W
3311	4822 051 10223	22k 2% 0,25W
3312	4822 051 10562	5k6 2% 0,25W
3315	4822 051 10682	6k8 2% 0,25W
3316	4822 051 10272	2k7 2% 0,25W
3317	4822 051 10102	1k 2% 0,25W
3318	4822 051 10334	330k 2% 0,25W
3325	4822 111 41423	18Ω 5% 0,33W
3332	4822 051 10103	10k 2% 0,25W
3335	4822 051 10101	100Ω 2% 0,25W
3339	4822 051 10102	1k 2% 0,25W
3340	4822 051 10472	4k7 2% 0,25W
3341	4822 051 10101	100Ω 2% 0,25W
3342	4822 051 10102	1k 2% 0,25W
3345	4822 051 10103	10k 2% 0,25W
3351	4822 051 10122	1k2 2% 0,25W
3352	4822 051 10122	1k2 2% 0,25W
3353	4822 051 10122	1k2 2% 0,25W
3355	4822 051 10821	820Ω 2% 0,25W
3356	4822 051 10821	820Ω 2% 0,25W
3357	4822 051 10821	820Ω 2% 0,25W
3360	4822 051 10472	4k7 2% 0,25W
3361	4822 051 10472	4k7 2% 0,25W
3362	4822 051 10472	4k7 2% 0,25W
3368	4822 051 10105	1M 5% 0,25W
3374	4822 051 10682	6k8 2% 0,25W
3375	4822 051 10103	10k 2% 0,25W
3376	4822 051 10102	1k 2% 0,25W
3378	4822 051 10392	3k9 2% 0,25W
3379	4822 051 10102	1k 2% 0,25W
3380	4822 051 10102	1k 2% 0,25W
3381	4822 051 10391	390Ω 2% 0,25W
3385	4822 051 10332	3k3 2% 0,25W
3388	4822 051 10102	1k 2% 0,25W
3389	4822 051 10272	2k7 2% 0,25W
3391	4822 051 10271	270Ω 2% 0,25W
3392	4822 051 10102	1k 2% 0,25W
3395	4822 051 10102	1k 2% 0,25W
3396	4822 051 10563	56k 2% 0,25W
3397	4822 051 10102	1k 2% 0,25W
3398	4822 051 10274	270k 2% 0,25W
3399	4822 051 10154	150k 2% 0,25W
3400	4822 051 10332	3k3 2% 0,25W
3401	4822 051 10223	22k 2% 0,25W
3404	4822 051 10562	5k6 2% 0,25W
3405	4822 051 10103	10k 2% 0,25W
3406	4822 051 10332	3k3 2% 0,25W
3413	4822 051 10562	5k6 2% 0,25W
3414	4822 051 10103	10k 2% 0,25W
3450	4822 116 90536	120Ω 1% 0,125W
3451	4822 116 90536	120Ω 1% 0,125W
3461	4822 111 41424	22Ω 5% 0,33W
3463	4822 051 10221	220Ω 2% 0,25W
3464	4822 051 10561	560Ω 2% 0,25W
3468	4822 116 81203	10Ω 5% 0,33W
3475	4822 051 10103	10k 2% 0,25W
3476	4822 051 10103	10k 2% 0,25W
3477	4822 051 10103	10k 2% 0,25W
3478	4822 051 10103	10k 2% 0,25W
3479	4822 051 10103	10k 2% 0,25W
3480	4822 051 10103	10k 2% 0,25W
3489	4822 051 10101	100Ω 2% 0,25W
3490	4822 051 10471	470Ω 2% 0,25W
3494	4822 051 10473	47k 2% 0,25W
3498	4822 051 10471	470Ω 2% 0,25W

Jumpers

4359	4822 051 10008	0Ω 5% 0,25W

5320	4822 157 50965	15µH 10%
5323	4822 157 50965	15µH 10%
5325	4822 157 50965	15µH 10%
5329	4822 157 50965	15µH 10%
5337	4822 157 50965	15µH 10%
5345	4822 157 50965	15µH 10%
5350	4822 157 50965	15µH 10%
5366	4822 157 50965	15µH 10%
5371	4822 157 50965	15µH 10%
5375	4822 157 50965	15µH 10%
5378	4822 157 50965	15µH 10%
5390	4822 157 63293	
5398	4822 157 50965	15µH 10%
5402	4822 157 62338	
5411	4822 157 62338	

6395	4822 130 81512	LLZ-C6V2
6464	4822 130 81015	LLZ-C10

7300	4822 209 60458	VCU2133
7307	5322 130 41982	BC848B
7310	5322 130 41983	BC858B
7315	5322 130 44499	BF245A
7320	4822 209 63203	DMA2275
7340	4822 209 63221	DMA2271
7345	4822 209 60741	MSM3764A-12RS
7350	4822 209 30951	PCF3300VP/028
7355	4822 209 63323	MK48H64N-120
7360	5322 130 41982	BC848B
7361	5322 130 41982	BC848B
7362	5322 130 41982	BC848B
7365	4822 209 63988	MCU2600/56
7375	4822 209 60741	MSM3764A-12RS
7376	5322 130 41982	BC848B
7385	4822 209 63009	AMU2481
7386	4822 209 62521	MC1496P
7390	5322 130 41983	BC858B
7395	5322 130 41983	BC858B
7397	5322 130 41982	BC848B
7398	5322 130 41983	BC858B
7399	5322 130 41982	BC848B
7400	4822 209 61115	LF353N
7450	4822 209 62098	ST24C02AB1
7463	5322 130 41982	BC848B
7475	5322 209 10421	HEF4094BP
7478	5322 130 41982	BC848B
7480	5322 130 41982	BC848B
7492	5322 209 10576	4053B

MAC panel (continued)

7493	5322 130 42136	BC848C
7494	5322 130 42136	BC848C

Supply panel O

Connectors

	4822 267 50722	10P male grey
	4822 265 30389	2P male

Various parts

1005	4822 212 23941	Supply panel
	4822 492 70143	spring 10 X 33MM
1560	4822 071 55001	fuse 0,5AT

2560	4822 124 22491	47µF 20% 385V
2564	4822 122 31965	220pF 5% 63V
2565	4822 122 33496	100nF 10% 63V
2566	4822 121 51147	33nF 2% 63V
2571	4822 122 31784	4,7nF 10% 50V
2575	4822 126 12037	330pF 10% 1kV
2579	4822 122 33496	100nF 10% 63V
2580	4822 124 22347	47µF 20% 50V
2583	4822 124 41576	2,2µF 20% 50V
2585	4822 126 12036	1nF 20% 400V
2586	4822 122 50116	470pF 10% 1kV
2587	4822 124 40435	10µF 20% 50V
2589	4822 124 21212	15µF 20% 40V
2590	4822 124 41716	220µF 20% 35V
2593	4822 124 41747	680µF 20% 35V
2594	4822 124 41747	680µF 20% 35V
2598	4822 122 33496	100nF 10% 63V
2599	4822 124 41747	680µF 20% 35V
2601	4822 122 33496	100nF 10% 63V
2602	4822 124 40737	150µF 20% 25V
2605	4822 124 40201	1000µF 20% 16V
2606	4822 122 33496	100nF 10% 63V
2607	4822 124 40201	1000µF 20% 16V
2608	4822 124 40737	150µF 20% 25V
2609	4822 124 40737	150µF 20% 25V
2612	4822 122 33496	100nF 10% 63V
2621	4822 122 32442	10nF 50V

3501	4822 051 10104	100k 2% 0,25W
3562	4822 051 10561	560Ω 2% 0,25W
3563	4822 051 10104	100k 2% 0,25W
3564	4822 051 10683	68k 2% 0,25W
3565	4822 050 21002	1k 2% 0,25W
3568	4822 053 12104	100k 5% 3W
3570	4822 116 52176	10Ω 5% 0,5W
3571	4822 116 52215	220Ω 5% 0,5W
3572	4822 052 10278	2Ω7 5% 0,33W
3573	4822 116 83586	33Ω 5% 0,33W
3574	4822 116 81194	1k 5% 0,33W
3575	4822 116 81189	1Ω 5% 0,33W
3578	4822 116 52176	10Ω 5% 0,5W
3580	4822 116 52233	10k 5% 0,5W
3586	4822 116 52283	4k7 5% 0,5W
3590	4822 051 10221	220Ω 2% 0,25W
3596	4822 051 10271	270Ω 2% 0,25W
3606	4822 116 52193	39Ω 5% 0,5W
3607	4822 116 52193	39Ω 5% 0,5W
3612	4822 050 15602	5k6 1% 0,4W
3614	4822 050 13603	36k 1% 0,4W
3620	4822 116 52175	100Ω 5% 0,5W
3621	4822 051 10472	4k7 2% 0,25W
3623	4822 050 13002	3k 1% 0,4W
3624	4822 100 11391	EVN-D8A

5560	4822 157 63751	39µH 10%
5580	4822 157 63301	1µH 15%
5581	4822 152 20678	33µH 10%
5585	4822 148 81224	transf.
5598	4822 157 63249	33µH 10%
5606	4822 157 63249	33µH 10%
5609	4822 157 60155	33µH 7,5%

6581	4822 130 42489	BYD33G
6588	4822 130 42489	BYD33G
6589	4822 130 20181	X0103MA
6590	4822 130 82924	BZV55-F20
6592	4822 130 80231	BYV28-150/20
6593	4822 130 42489	BYD33G
6604	4822 130 82922	MBR1080
6609	4822 130 42489	BYD33G
6621	4822 209 81397	TL431CLP
6686	4822 130 42489	BYD33G
6695	4822 130 42489	BYD33G

7565	4822 209 83909	UC3842AN
7575	4822 130 62314	BUK444-800A
7585	4822 130 82034	CNX83A
7595	5322 209 86445	L78M05CV

FSS d

Connecto

Various p

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FSS decoder T

Connectors

	4822 265 40472	10P female gold plated
	4822 265 40471	8P female gold plated

Various parts

1801	4822 242 81183	filter 7,560 MHz
1801	4822 242 73628	filter 7,560 MHz if 1807 present
1802	4822 242 81184	filter 7,200 MHz
1802	4822 242 73626	filter 7,200 MHz if 1808 present
1805	4822 242 73627	filter 7,380 MHz
1806	4822 242 73625	filter 7,020 MHz
1807	4822 242 73628	filter 7,560 MHz
1808	4822 242 73626	filter 7,200 MHz

⊣⊢

2701	4822 122 33669	150nF 20% 50V
2712	5322 122 31647	1nF 10% 63V
2721	4822 122 31774	56pF 5% 50V
2727	4822 122 31808	150pF 10% 50V
2730	4822 124 40242	1µF 20% 63V
2735	4822 124 22606	68µF 20% 16V
2737	4822 124 40684	150µF 20% 6,3V
2750	4822 124 22606	68µF 20% 16V
2752	4822 122 32442	10nF 50V
2754	4822 122 31797	22nF 10% 63V
2756	4822 124 41577	4,7µF 20% 50V
2757	4822 122 32442	10nF 50V
2760	4822 121 51051	4,7nF 5% 160V
2765	4822 122 32927	220nF
2766	4822 122 31808	150pF 10% 50V
2767	4822 122 32927	220nF
2803	4822 122 31797	22nF 10% 63V
2804	4822 124 40193	68µF 20% 16V
2805	4822 122 31797	22nF 10% 63V
2807	4822 122 33496	100nF 10% 63V
2810	4822 122 31769	18pF 5% 50V
2811	4822 122 31765	100pF 5% 50V
2812	4822 122 32506	5,6pF 5% 50V
2813	4822 122 31765	100pF 5% 50V
2814	4822 122 31797	22nF 10% 63V
2815	4822 122 31797	22nF 10% 63V
2820	4822 122 31797	22nF 10% 63V
2821	4822 122 31797	22nF 10% 63V
2822	4822 122 31797	22nF 10% 63V
2823	4822 122 31797	22nF 10% 63V
2825	4822 124 22606	68µF 20% 16V
2826	4822 122 31797	22nF 10% 63V
2828	4822 126 12038	68pF 2% 50V
2829	4822 122 31768	180pF 5% 50V
2830	4822 126 12039	120pF 2% 63V
2831	4822 122 31916	5,6nF 10% 63V
2832	4822 122 31727	470pF 2% 50V
2834	4822 122 31797	22nF 10% 63V
2835	4822 122 31797	22nF 10% 63V
2836	4822 122 31771	390pF 5% 50V
2838	4822 122 31774	56pF 5% 50V
2840	4822 122 31766	120pF 5% 50V
2842	4822 122 31768	180pF 5% 50V
2844	4822 122 32482	22pF 5% 63V
2845	4822 122 31797	22nF 10% 63V
2850	4822 122 31807	1200pF 5% 50V
2851	4822 122 31916	5,6nF 10% 63V
2852	4822 122 31766	120pF 5% 50V
2853	4822 124 42377	10µF 20% 16V
2855	4822 122 31807	1200pF 5% 50V
2856	4822 122 31916	5,6nF 10% 63V
2857	4822 122 31766	120pF 5% 50V
2858	4822 124 42377	10µF 20% 16V

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2863	4822 122 32927	220nF
2870	4822 122 32927	220nF
2872	4822 122 31775	680pF 5% 50V
2873	5322 122 31647	1nF 10% 63V
2874	4822 124 22606	68µF 20% 16V
2876	4822 122 31774	56pF 5% 50V
2877	4822 124 41629	15µF 20% 50V
2879	4822 122 33496	100nF 10% 63V
2880	4822 124 41566	3,3µF 20% 50V
2882	4822 122 31981	33nF ±0,5pF 50V
2883	4822 122 31981	33nF ±0,5pF 50V
2886	4822 124 41509	33µF 20% 35V
2889	4822 122 31916	5,6nF 10% 63V
2890	4822 124 41566	3,3µF 20% 50V
2896	4822 122 31774	56pF 5% 50V
2897	4822 124 41629	15µF 20% 50V
2899	4822 122 33496	100nF 10% 63V
2900	4822 124 41566	3,3µF 20% 50V
2902	4822 122 31981	33nF ±0,5pF 50V
2903	4822 122 31981	33nF ±0,5pF 50V
2906	4822 124 41509	33µF 20% 35V
2909	4822 122 31916	5,6nF 10% 63V
2911	4822 124 41566	3,3µF 20% 50V
2915	4822 122 31772	47pF 5% 50V
2916	4822 122 31797	22nF 10% 63V
2917	4822 122 31772	47pF 5% 50V
2918	4822 122 31797	22nF 10% 63V
2920	4822 122 33496	100nF 10% 63V
2921	4822 122 32142	270pF 5% 63V
2922	4822 122 31971	10pF 10% 50V

3700	4822 051 10102	1k 2% 0,25W
3701	4822 051 10102	1k 2% 0,25W
3702	4822 051 10102	1k 2% 0,25W
3703	4822 051 10185	1M8 5% 0,5W
3704	4822 051 10101	100Ω 2% 0,25W
3705	4822 051 10101	100Ω 2% 0,25W
3706	4822 051 10101	100Ω 2% 0,25W
3707	4822 051 10471	470Ω 2% 0,25W
3712	4822 051 10123	12k 2% 0,25W
3718	4822 051 10102	1k 2% 0,25W
3719	4822 051 10102	1k 2% 0,25W
3720	4822 051 10102	1k 2% 0,25W
3721	4822 051 10103	10k 2% 0,25W
3722	4822 051 10103	10k 2% 0,25W
3723	4822 051 10473	47k 2% 0,25W
3724	4822 051 10104	100k 2% 0,25W
3725	4822 051 10471	470Ω 2% 0,25W
3727	4822 051 10103	10k 2% 0,25W
3728	4822 051 10153	15k 2% 0,25W
3730	4822 051 10332	3k3 2% 0,25W
3731	4822 051 10103	10k 2% 0,25W
3732	4822 051 10224	220k 2% 0,25W
3733	4822 051 10272	2k7 2% 0,25W
3735	4822 111 41423	18Ω 5% 0,33W
3736	4822 051 10822	8k2 2% 0,25W
3737	4822 051 20222	2k2 5% 0,1W
3738	4822 051 10432	4k3 2% 0,25W
3739	4822 051 10151	150Ω 2% 0,25W
3750	4822 111 41423	18Ω 5% 0,33W
3751	4822 051 10754	750k 2% 0,25W
3752	4822 100 11392	47k 30% LIN
3753	4822 051 10124	120k 2% 0,25W
3755	4822 051 10123	12k 2% 0,25W
3756	4822 051 10563	56k 2% 0,25W
3757	4822 051 10122	1k2 2% 0,25W
3765	4822 051 10102	1k 2% 0,25W

3800	4822 051 10331	330Ω 2% 0,25W
3801	4822 051 10331	330Ω 2% 0,25W
3802	4822 051 10331	330Ω 2% 0,25W
3803	4822 052 10398	3Ω9 5% 0,33W
3804	4822 051 10331	330Ω 2% 0,25W
3805	4822 051 10331	330Ω 2% 0,25W
3806	4822 051 10331	330Ω 2% 0,25W
3807	4822 051 20222	2k2 5% 0,1W
3808	4822 051 10101	100Ω 2% 0,25W
3811	4822 051 10223	22k 2% 0,25W
3813	4822 051 10223	22k 2% 0,25W
3815	4822 051 10103	10k 2% 0,25W
3820	4822 051 10561	560Ω 2% 0,25W
3822	4822 051 10561	560Ω 2% 0,25W
3825	4822 111 41423	18Ω 5% 0,33W
3828	4822 051 10332	3k3 2% 0,25W
3830	4822 051 10332	3k3 2% 0,25W
3832	4822 051 10561	560Ω 2% 0,25W
3834	4822 051 10123	12k 2% 0,25W
3835	4822 051 10123	12k 2% 0,25W
3836	4822 051 10561	560Ω 2% 0,25W
3838	4822 051 10332	3k3 2% 0,25W
3840	4822 051 10332	3k3 2% 0,25W
3841	4822 051 10223	22k 2% 0,25W
3842	4822 051 10152	1k5 2% 0,25W
3846	4822 051 10223	22k 2% 0,25W
3850	4822 051 10562	5k6 2% 0,25W
3851	4822 051 10562	5k6 2% 0,25W
3852	4822 051 10562	5k6 2% 0,25W
3853	4822 100 11212	2k2 30% LIN
3855	4822 051 10562	5k6 2% 0,25W
3856	4822 051 10562	5k6 2% 0,25W
3857	4822 051 10562	5k6 2% 0,25W
3858	4822 100 11212	2k2 30% LIN
3860	4822 051 10394	390k 2% 0,25W
3861	4822 051 10103	10k 2% 0,25W
3862	4822 100 11319	4k7 30% LIN
3863	4822 051 10223	22k 2% 0,25W
3865	4822 051 10331	330Ω 2% 0,25W
3866	4822 051 10223	22k 2% 0,25W
3870	4822 051 10273	27k 2% 0,25W
3871	4822 051 10104	100k 2% 0,25W
3872	4822 051 10753	75k 2% 0,25W
3874	4822 111 41423	18Ω 5% 0,33W
3875	4822 051 10103	10k 2% 0,25W
3876	4822 051 10223	22k 2% 0,25W
3877	4822 051 10332	3k3 2% 0,25W
3880	4822 051 10475	4M7 5% 0,5W
3881	4822 051 10152	1k5 2% 0,25W
3882	4822 051 10334	330k 2% 0,25W
3883	4822 051 10822	8k2 2% 0,25W
3885	4822 051 10682	6k8 2% 0,25W
3889	4822 051 10133	13k 2% 0,25W
3890	4822 051 10472	4k7 2% 0,25W
3891	4822 051 10273	27k 2% 0,25W
3892	4822 051 10104	100k 2% 0,25W
3895	4822 051 10103	10k 2% 0,25W
3896	4822 051 10223	22k 2% 0,25W
3897	4822 051 10332	3k3 2% 0,25W
3900	4822 051 10475	4M7 5% 0,5W
3902	4822 051 10334	330k 2% 0,25W
3903	4822 051 10822	8k2 2% 0,25W
3905	4822 051 10682	6k8 2% 0,25W

Spare parts list / Stückliste / Liste

FSS decoder (continued)

3906	4822 051 10152	1k5 2% 0,25W
3909	4822 051 10133	13k 2% 0,25W
3911	4822 051 10273	27k 2% 0,25W
3916	4822 051 10223	22k 2% 0,25W
3917	4822 051 10472	4k7 2% 0,25W
3910	4822 051 10472	4k7 2% 0,25W
3918	4822 051 10223	22k 2% 0,25W
3919	4822 051 10562	5k6 2% 0,25W
3920	4822 051 10332	3k3 2% 0,25W
3921	4822 051 10339	33Ω 2% 0,25W
3922	4822 051 10475	4M7 5% 0,5W
3923	4822 051 10104	100k 2% 0,25W
3924	4822 051 10104	100k 2% 0,25W
3925	4822 051 10101	100Ω 2% 0,25W
3926	4822 051 10103	10k 2% 0,25W
3927	4822 051 10103	10k 2% 0,25W
3998	4822 051 10472	4k7 2% 0,25W

5700	4822 242 72461	filter
5811	4822 157 62339	4μH
5813	4822 157 62339	4μH
5832	4822 157 62393	1,5μH
5836	4822 157 62393	1,5μH

6712	4822 130 80446	LL4148
6730	4822 130 80446	LL4148
6811	4822 130 34449	BB204B
6813	4822 130 34449	BB204B
6828	4822 130 80888	BA682
6830	4822 130 80888	BA682
6834	4822 130 80888	BA682
6835	4822 130 80888	BA682
6838	4822 130 80888	BA682
6840	4822 130 80888	BA682
6841	4822 130 80446	LL4148
6842	4822 130 80888	BA682
6845	4822 130 34449	BB204B
6866	4822 130 81223	LLZ-C2V4
6885	4822 130 80446	LL4148
6920	4822 130 80888	BA682
6922	4822 130 80446	LL4148

7702	5322 130 41983	BC858B
7704	5322 130 42136	BC848C
7707	5322 130 41983	BC858B
7712	5322 209 85503	LM311N
7719	5322 130 41982	BC848B
7720	5322 130 41982	BC848B
7723	5322 130 41982	BC848B
7724	5322 130 44499	BF245A
7730	5322 130 41982	BC848B
7731	5322 130 41982	BC848B
7739	5322 130 41983	BC858B
7745	5322 209 85503	LM311N
7750	4822 209 63299	TDA2595/V9
7800	4822 209 10263	4052B
7807	5322 130 41983	BC858B
7815	5322 130 41983	BC858B
7825	4822 209 73756	U2829B
7841	5322 130 41982	BC848B
7853	5322 130 41982	BC848B
7858	5322 130 41982	BC848B
7866	5322 130 41982	BC848B

7870	4822 209 61115	LF353N
7874	5322 209 73938	NE572N
7875	4822 209 73324	LF347N
7890	5322 130 41982	BC848B
7911	5322 130 41982	BC848B
7915	5322 130 41982	BC848B
7917	5322 130 41982	BC848B
7920	4822 209 10263	4052B
7925	5322 209 10421	HEF4094BP

Tune

Connec

Various

1002
1100
1257

2103
2104
2108
2109
2133
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2136
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2164
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3100
3101
3103
3106
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3109
3112

Tuner & Control Ω

Connectors

	4822 265 61259	IC socket 68P
	4822 264 50149	10P male gold plated
	4822 264 50148	8P male gold plated
	4822 265 51324	20P male
	4822 267 50722	10P male
	4822 265 40442	10P male

Various parts

1002	4822 212 23938	Tuner & Control
1100	4822 210 10435	frontend SF914
1257	4822 242 72572	crystal 12,000 MHz

Capacitors

2103	4822 124 22606	68µF 20% 16V
2104	4822 122 32442	10nF 50V
2108	4822 124 40684	150µF 20% 6,3V
2109	4822 122 32542	47nF 10% 63V
2133	4822 122 31797	22nF 10% 63V
2135	4822 122 33496	100nF 10% 63V
2136	4822 124 22427	47µF 20% 35V
2142	4822 122 32927	220nF
2144	4822 124 40849	330µF 20% 16V
2145	4822 124 41997	470µF 10V
2164	4822 122 31947	100nF 20% 63V
2165	4822 122 32542	47nF 10% 63V
2169	4822 122 31965	220pF 5% 63V
2170	4822 124 22606	68µF 20% 16V
2173	4822 122 32927	220nF
2181	4822 124 40242	1µF 20% 63V
2182	4822 124 22633	22µF 20% 35V
2185	4822 122 32927	220nF
2188	4822 122 31947	100nF 20% 63V
2190	4822 122 31947	100nF 20% 63V
2191	4822 124 41678	22µF 20% 25V
2193	4822 122 32442	10nF 50V
2194	4822 122 31771	390pF 5% 50V
2195	4822 122 31765	100pF 5% 50V
2197	4822 124 40196	220µF 20% 16V
2199	4822 122 32482	22pF 5% 63V
2230	4822 122 31775	680pF 5% 50V
2231	4822 122 31775	680pF 5% 50V
2232	4822 122 31775	680pF 5% 50V
2233	4822 122 31775	680pF 5% 50V
2234	4822 122 31775	680pF 5% 50V
2235	4822 122 31775	680pF 5% 50V
2236	4822 122 31775	680pF 5% 50V
2237	4822 122 31775	680pF 5% 50V
2245	4822 124 40272	33µF 20% 16V
2254	4822 122 33496	100nF 10% 63V
2257	4822 122 32444	33pF 5% 50V
2258	4822 122 32444	33pF 5% 50V
2260	4822 122 33496	100nF 10% 63V
2262	4822 122 33496	100nF 10% 63V
2264	4822 122 33496	100nF 10% 63V
2266	4822 122 33496	100nF 10% 63V

Resistors

3100	4822 116 90536	120Ω 1% 0,125W
3101	4822 116 90536	120Ω 1% 0,125W
3103	4822 116 81191	6Ω8 5% 0,33W
3106	4822 051 10223	22k 2% 0,25W
3108	4822 051 10472	4k7 2% 0,25W
3109	4822 051 10104	100k 2% 0,25W
3112	4822 051 20222	2k2 5% 0,1W
3113	4822 051 10101	100Ω 2% 0,25W
3115	4822 051 10151	150Ω 2% 0,25W
3116	4822 051 10151	150Ω 2% 0,25W
3119	4822 051 10122	1k2 2% 0,25W
3120	4822 051 10103	10k 2% 0,25W
3121	4822 051 10271	270Ω 2% 0,25W
3122	4822 051 10102	1k 2% 0,25W
3123	4822 116 52243	1k5 5% 0,5W
3124	4822 051 10103	10k 2% 0,25W
3125	4822 051 10102	1k 2% 0,25W
3126	4822 051 10101	100Ω 2% 0,25W
3127	4822 051 10101	100Ω 2% 0,25W
3128	4822 051 10392	3k9 2% 0,25W
3129	4822 051 10331	330Ω 2% 0,25W
3140	4822 051 10103	10k 2% 0,25W
3141	4822 051 10472	4k7 2% 0,25W
3142	4822 051 10103	10k 2% 0,25W
3144	4822 051 10474	470k 2% 0,25W
3145	4822 051 10224	220k 2% 0,25W
3146	4822 051 10474	470k 2% 0,25W
3148	4822 051 10101	100Ω 2% 0,25W
3165	4822 051 10273	27k 2% 0,25W
3167	4822 051 10102	1k 2% 0,25W
3168	4822 051 10471	470Ω 2% 0,25W
3170	4822 111 41423	18Ω 5% 0,33W
3174	4822 051 10225	2M2 5% 0,25W
3175	4822 051 10154	150k 2% 0,25W
3177	4822 051 10682	6k8 2% 0,25W
3178	4822 051 10152	1k5 2% 0,25W
3180	4822 100 11213	22k 30% LIN
3181	4822 051 10473	47k 2% 0,25W
3182	4822 051 10823	82k 2% 0,25W
3183	4822 051 10685	6M8 5% 0,25W
3184	4822 051 10822	8k2 2% 0,25W
3186	4822 051 10225	2M2 5% 0,25W
3187	4822 111 90368	680k 2% 0,125W
3188	4822 051 10224	220k 2% 0,25W
3189	4822 051 10224	220k 2% 0,25W
3193	4822 051 10562	5k6 2% 0,25W
3194	4822 051 20222	2k2 5% 0,1W
3195	4822 051 10103	10k 2% 0,25W
3198	4822 051 10279	27Ω 2% 0,25W
3201	4822 051 10102	1k 2% 0,25W
3224	4822 051 10472	4k7 2% 0,25W
3225	4822 051 10472	4k7 2% 0,25W
3226	4822 051 10472	4k7 2% 0,25W
3227	4822 051 10103	10k 2% 0,25W
3228	4822 051 10103	10k 2% 0,25W
3229	4822 051 10103	10k 2% 0,25W
3230	4822 051 10103	10k 2% 0,25W
3231	4822 051 10101	100Ω 2% 0,25W
3232	4822 051 10101	100Ω 2% 0,25W
3233	4822 116 52206	120Ω 5% 0,5W
3234	4822 116 52206	120Ω 5% 0,5W
3235	4822 051 10101	100Ω 2% 0,25W
3236	4822 116 52283	4k7 5% 0,5W
3237	4822 051 10101	100Ω 2% 0,25W
3240	4822 051 10301	300Ω 2% 0,25W
3241	4822 116 90536	120Ω 1% 0,125W
3242	4822 051 10472	4k7 2% 0,25W
3244	4822 051 10101	100Ω 2% 0,25W
3245	4822 051 10479	47Ω 2% 0,25W
3246	4822 051 10103	10k 2% 0,25W
3247	4822 051 10101	100Ω 2% 0,25W
3248	4822 051 10101	100Ω 2% 0,25W
3251	4822 051 10472	4k7 2% 0,25W
3252	4822 051 20183	18k 5% 0,1W
3253	4822 051 10392	3k9 2% 0,25W
3254	4822 051 10104	100k 2% 0,25W

Jumpers

4190	4822 051 10008	0Ω 5% 0,25W
4192	4822 051 10008	0Ω 5% 0,25W
4196	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4258	4822 051 10008	0Ω 5% 0,25W

Coils

5108	4822 157 51462	10µH 10%
5254	4822 157 51462	10µH 10%
5260	4822 157 51462	10µH 10%
5262	4822 157 51462	10µH 10%
5264	4822 157 51462	10µH 10%
5266	4822 157 51462	10µH 10%
5267	4822 157 51462	10µH 10%
5268	4822 157 51462	10µH 10%
5269	4822 157 60534	10µH 10%
5270	4822 157 60534	10µH 10%
5271	4822 157 51462	10µH 10%
5272	4822 157 51462	10µH 10%

Diodes

6106	4822 130 80881	LLZ-C33
6136	4822 209 73095	P4KE30C-7000
6167	4822 130 81424	BZV86-2V0
6178	4822 130 81224	LLZ-C4V3
6203	4822 130 80446	LL4148
6241	4822 130 82921	LLZ-F3V9
6246	4822 130 80446	LL4148

Transistors

7100	5322 130 41982	BC848B
7101	5322 130 41983	BC858B
7120	5322 130 42136	BC848C
7140	5322 130 41982	BC848B
7144	4822 130 62734	BUK445-50B
7146	4822 130 62734	BUK445-50B
7167	5322 130 42136	BC848C
7170	5322 130 42136	BC848C
7175	5322 130 42136	BC848C
7185	4822 130 42513	BC858C
7186	4822 130 42513	BC858C
7190	4822 209 80797	LM393N
7191	5322 130 42136	BC848C
7192	5322 130 41983	BC858B
7196	5322 130 41982	BC848B
7240	5322 130 41983	BC858B
7245	5322 130 41983	BC858B
7247	5322 130 41983	BC858B
7250	4822 209 62525	PCB80C562-16W P
7260	5322 209 11488	PC74HCT573P
7262	4822 209 63323	MK48H64N-120
7264	4822 209 52191	E P R O M + software

Spare parts list / Stückliste / Liste

Connector panel R

Connectors

	4822 265 61257	socket SCART
	4822 265 10273	socket SAT/SKEW male

Various parts

1003	4822 212 23939	Connector board

2025	4822 122 32927	220nF
2026	4822 122 32927	220nF
2028	5322 122 31842	330pF 5% 63V
2029	5322 122 31842	330pF 5% 63V
2031	4822 122 31775	680pF 5% 50V
2034	4822 122 31746	1000pF 5% 50V
2035	4822 122 31746	1000pF 5% 50V
2036	4822 124 40738	330µF 20% 25V
2038	4822 124 41716	220µF 20% 35V
2046	4822 122 31746	1000pF 5% 50V
2048	4822 122 32442	10nF 50V
2050	4822 122 33496	100nF 10% 63V
2053	4822 124 41577	4,7µF 20% 50V
2070	4822 122 31765	100pF 5% 50V
2071	4822 122 32442	10nF 50V
2075	4822 122 32927	220nF
2080	4822 124 22606	68µF 20% 16V
2081	4822 124 22606	68µF 20% 16V
2095	4822 124 22606	68µF 20% 16V
2096	4822 124 22606	68µF 20% 16V

3001	4822 051 10334	330k 2% 0,25W
3008	4822 051 10102	1k 2% 0,25W
3009	4822 051 10102	1k 2% 0,25W
3010	4822 051 10104	100k 2% 0,25W
3011	4822 051 10104	100k 2% 0,25W
3012	4822 051 10331	330Ω 2% 0,25W
3013	4822 051 10331	330Ω 2% 0,25W
3014	4822 051 10151	150Ω 2% 0,25W
3015	4822 051 10151	150Ω 2% 0,25W
3016	4822 051 10104	100k 2% 0,25W
3018	4822 051 10104	100k 2% 0,25W
3019	4822 051 10104	100k 2% 0,25W
3020	4822 111 41423	18Ω 5% 0,33W
3021	4822 051 10393	39k 2% 0,25W
3022	4822 051 10103	10k 2% 0,25W
3024	4822 051 10101	100Ω 2% 0,25W
3025	4822 051 10101	100Ω 2% 0,25W
3027	4822 051 10101	100Ω 2% 0,25W
3028	4822 051 10101	100Ω 2% 0,25W
3031	4822 116 52201	75Ω 5% 0,5W
3032	4822 051 10759	75Ω 2% 0,25W
3035	4822 051 10103	10k 2% 0,25W
3036	4822 051 10103	10k 2% 0,25W
3037	4822 051 10472	4k7 2% 0,25W
3038	4822 052 10398	3Ω9 5% 0,33W
3041	5322 116 82222	1Ω2 5% 0,2W
3042	4822 051 10102	1k 2% 0,25W
3043	4822 051 10221	220Ω 2% 0,25W
3045	4822 116 52256	2k2 5% 0,5W
3046	4822 051 10105	1M 5% 0,25W
3048	4822 116 52241	13k 5% 0,5W
3049	4822 116 52273	3k6 5% 0,5W
3053	4822 051 10561	560Ω 2% 0,25W
3054	4822 051 10105	1M 5% 0,25W
3055	4822 051 10103	10k 2% 0,25W
3056	4822 051 10103	10k 2% 0,25W
3063	4822 051 10472	4k7 2% 0,25W

3070	4822 051 10102	1k 2% 0,25W
3071	4822 116 81203	10Ω 5% 0,33W
3075	4822 051 10224	220k 2% 0,25W
3076	4822 051 10103	10k 2% 0,25W
3078	4822 116 83585	27Ω 5% 0,33W
3079	4822 051 10471	470Ω 2% 0,25W
3080	4822 051 10681	680Ω 2% 0,25W
3081	4822 051 10118	1Ω 2% 0,25W
3083	4822 051 10561	560Ω 2% 0,25W
3084	4822 051 10223	22k 2% 0,25W
3085	4822 051 10561	560Ω 2% 0,25W
3086	4822 051 10223	22k 2% 0,25W
3088	4822 051 10333	33k 2% 0,25W
3089	4822 051 10473	47k 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4069	4822 051 10008	0Ω 5% 0,25W

5036	4822 157 10289	

6040	4822 130 32772	EGP20C
6041	4822 130 80446	LL4148
6050	4822 130 80446	LL4148
6071	4822 209 73095	P4KE30C-7000
6072	4822 209 73095	P4KE30C-7000
6073	4822 209 73095	P4KE30C-7000
6081	4822 209 73095	P4KE30C-7000

7024	5322 130 42136	BC848C
7027	4822 130 40854	BC327
7035	5322 209 10576	4053B
7037	5322 130 41983	BC858B
7038	4822 209 10263	4052B
7040	4822 130 40854	BC327
7045	4822 209 80797	LM393N
7050	5322 130 41983	BC858B
7055	4822 130 42615	BC817-40
7070	4822 130 40855	BC337
7077	4822 209 71285	LM358N
7080	4822 130 62742	BD943F
7081	4822 130 61003	BD944F

PAL/S

Connecto

Various p

1360

2100
2105
2115
2120
2125
2127
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2700
2705

PAL/SECAM transcoder U

Connectors

	4822 267 40697	6P male

Various parts

1360	4822 242 70304	crystal 8,867 238 MHz

2100	4822 124 41643	100µF 20% 16V
2105	4822 124 41643	100µF 20% 16V
2115	4822 124 41643	100µF 20% 16V
2120	4822 124 40248	10µF 20% 63V
2125	4822 124 40248	10µF 20% 63V
2127	4822 122 31797	22nF 10% 63V
2140	4822 122 32927	220nF
2145	4822 122 31767	150pF 5% 50V
2150	4822 122 31797	22nF 10% 63V
2155	4822 122 32927	220nF
2160	4822 122 32442	10nF 50V
2165	4822 122 33496	100nF 10% 63V
2170	4822 121 43717	4,7nF 2% 100V
2180	4822 124 40246	4,7µF 20% 63V
2185	4822 122 31797	22nF 10% 63V
2200	4822 124 40433	47µF 20% 25V
2225	5322 122 31647	1nF 10% 63V
2230	4822 122 31771	390pF 5% 50V
2235	4822 122 31965	220pF 5% 63V
2300	5322 122 31647	1nF 10% 63V
2305	4822 122 31965	220pF 5% 63V
2315	4822 122 31797	22nF 10% 63V
2320	4822 122 32442	10nF 50V
2325	4822 122 32442	10nF 50V
2330	4822 122 32442	10nF 50V
2335	4822 122 32542	47nF 10% 63V
2340	5322 121 42661	330nF 5% 63V
2345	4822 124 40242	1µF 20% 63V
2350	4822 124 40433	47µF 20% 25V
2355	4822 122 31797	22nF 10% 63V
2360	4822 125 50045	20pF trim.
2365	5322 122 31647	1nF 10% 63V
2370	5322 122 31647	1nF 10% 63V
2375	4822 122 32442	10nF 50V
2380	4822 122 31797	22nF 10% 63V
2395	4822 122 32927	220nF
2415	4822 122 32927	220nF
2500	4822 124 41643	100µF 20% 16V
2505	4822 122 31974	820pF 10% 63V
2520	4822 122 33496	100nF 10% 63V
2522	4822 124 40433	47µF 20% 25V
2523	4822 122 31797	22nF 10% 63V
2524	4822 122 31765	100pF 5% 50V
2525	4822 122 31769	18pF 5% 50V
2535	4822 122 31767	150pF 5% 50V
2540	4822 122 31765	100pF 5% 50V
2542	4822 122 31797	22nF 10% 63V
2545	4822 122 31961	68pF 5% 63V
2550	4822 122 31767	150pF 5% 50V
2555	4822 126 10324	33pF 63V
2560	4822 122 33496	100nF 10% 63V
2600	4822 122 32566	3,9nF 10% 63V
2605	5322 121 42498	680nF 5% 63V
2610	4822 122 32927	220nF
2615	5322 121 42498	680nF 5% 63V
2620	4822 122 32927	220nF
2625	4822 122 33496	100nF 10% 63V
2630	4822 122 31768	180pF 5% 50V
2700	4822 124 41643	100µF 20% 16V
2705	4822 122 32542	47nF 10% 63V
2730	4822 124 40753	6,8µF 20% 63V
2735	4822 122 33496	100nF 10% 63V
2740	4822 124 40753	6,8µF 20% 63V
2745	4822 122 33496	100nF 10% 63V
2750	4822 122 31767	150pF 5% 50V
2755	4822 122 31767	150pF 5% 50V
2760	4822 122 33496	100nF 10% 63V
2803	4822 122 31961	68pF 5% 63V
2805	4822 122 31768	180pF 5% 50V
2820	4822 124 40433	47µF 20% 25V
2825	4822 124 40433	47µF 20% 25V
2835	4822 124 40248	10µF 20% 63V
2845	4822 124 40248	10µF 20% 63V

3100	4822 052 10159	15Ω 5% 0,33W
3105	4822 052 10228	2Ω2 5% 0,33W
3110	4822 051 10102	1k 2% 0,25W
3115	4822 052 10158	1Ω5 5% 0,33W
3120	4822 051 10122	1k2 2% 0,25W
3125	4822 051 10681	680Ω 2% 0,25W
3127	4822 051 10121	120Ω 2% 0,25W
3130	4822 051 10152	1k5 2% 0,25W
3135	4822 051 10152	1k5 2% 0,25W
3140	4822 051 10152	1k5 2% 0,25W
3180	4822 051 10681	680Ω 2% 0,25W
3185	4822 051 10223	22k 2% 0,25W
3190	4822 050 11203	12k 1% 0,4W
3205	4822 051 10272	2k7 2% 0,25W
3210	4822 051 10682	6k8 2% 0,25W
3215	4822 051 10562	5k6 2% 0,25W
3220	4822 051 10472	4k7 2% 0,25W
3225	4822 051 10133	13k 2% 0,25W
3230	4822 051 10103	10k 2% 0,25W
3235	4822 051 10103	10k 2% 0,25W
3240	4822 051 10272	2k7 2% 0,25W
3260	4822 051 10103	10k 2% 0,25W
3265	4822 051 10682	6k8 2% 0,25W
3270	4822 051 10222	2k2 2% 0,25W
3300	4822 051 10102	1k 2% 0,25W
3305	4822 051 10821	820Ω 2% 0,25W
3310	4822 051 10181	180Ω 2% 0,25W
3340	4822 051 10332	3k3 2% 0,25W
3375	4822 051 10105	1M 5% 0,25W
3380	4822 051 10561	560Ω 2% 0,25W
3385	4822 051 10682	6k8 2% 0,25W
3390	4822 051 10472	4k7 2% 0,25W
3395	4822 051 10562	5k6 2% 0,25W
3400	4822 051 10471	470Ω 2% 0,25W
3405	4822 051 10122	1k2 2% 0,25W
3410	4822 100 11319	4k7 30% LIN
3415	4822 051 10822	8k2 2% 0,25W
3505	4822 051 10751	750Ω 2% 0,25W
3510	4822 100 11212	2k2 30% LIN
3515	4822 051 10152	1k5 2% 0,25W
3520	4822 051 10472	4k7 2% 0,25W
3522	4822 051 10471	470Ω 2% 0,25W
3524	4822 051 10181	180Ω 2% 0,25W
3525	4822 051 10222	2k2 2% 0,25W
3530	4822 051 10471	470Ω 2% 0,25W
3535	4822 051 10432	4k3 2% 0,25W
3540	4822 051 10102	1k 2% 0,25W
3550	4822 051 10102	1k 2% 0,25W
3555	4822 051 10479	47Ω 2% 0,25W
3560	4822 051 10561	560Ω 2% 0,25W
3705	4822 051 10102	1k 2% 0,25W
3710	4822 051 10102	1k 2% 0,25W
3725	4822 051 10822	8k2 2% 0,25W
3730	4822 051 10339	33Ω 2% 0,25W
3740	4822 051 10339	33Ω 2% 0,25W
3800	4822 051 10102	1k 2% 0,25W
3801	4822 051 10102	1k 2% 0,25W
3802	4822 051 10392	3k9 2% 0,25W
3803	4822 051 10471	470Ω 2% 0,25W
3804	4822 051 10471	470Ω 2% 0,25W
3810	4822 051 10681	680Ω 2% 0,25W
3815	4822 051 10222	2k2 2% 0,25W
3820	4822 051 10682	6k8 2% 0,25W
3825	4822 051 10222	2k2 2% 0,25W
3830	4822 051 10121	120Ω 2% 0,25W
3835	4822 051 10472	4k7 2% 0,25W
3840	4822 051 10132	1k3 2% 0,25W
3845	4822 051 10561	560Ω 2% 0,25W
3850	4822 051 10681	680Ω 2% 0,25W
3855	4822 051 10122	1k2 2% 0,25W
3860	4822 051 10479	47Ω 2% 0,25W
3900	4822 051 10103	10k 2% 0,25W
3905	4822 051 10103	10k 2% 0,25W
3910	4822 051 10103	10k 2% 0,25W
3920	4822 051 10103	10k 2% 0,25W

5300	4822 157 63808	filter 4,43 MHz
5500	4822 157 53608	10µH 10%
5524	4822 152 20677	10µH 10%
5535	4822 157 63757	6,8µH 6%
5540	4822 157 63757	6,8µH 6%
5550	4822 157 63757	6,8µH 6%
5700	4822 157 53608	10µH 10%
5705	4822 154 90059	filter 2,17 MHz
5720	4822 157 63811	1500µH
5725	4822 157 63809	900µH
5800	4822 157 60507	DL950ns
5803	4822 157 53906	47µH 10%
5825	4822 152 20677	10µH 10%

6105	5322 130 80256	BZX84-C4V3
6125	5322 130 31928	BAS16
6205	5322 130 31928	BAS16
6380	4822 130 80125	BZX84-C5V6
6845	5322 130 31928	BAS16

7105	5322 130 41982	BC848B
7125	5322 130 41982	BC848B
7135	5322 130 41982	BC848B
7150	4822 209 63299	TDA2595/V9
7220	4822 209 10866	HEF4528BP
7310	4822 209 30389	TDA4510/V8
7370	4822 209 63108	TDA4660/V2
7390	5322 130 41982	BC848B
7400	5322 130 41982	BC848B
7410	5322 130 41982	BC848B
7500	4822 209 82402	TDA2506/N2
7505	5322 130 41982	BC848B
7515	5322 130 41982	BC848B
7520	5322 130 41982	BC848B
7525	5322 130 41982	BC848B
7700	4822 209 82403	TDA2507/N2
7802	5322 130 41983	BC858B
7810	4822 130 62755	BF570
7830	5322 130 41982	BC848B
7850	5322 130 41982	BC848B

Spare parts list / Stückliste / Liste

PAL/SECAM transcoder (continued)

7900	5322 130 41982	BC848B
7910	5322 130 41982	BC848B
7920	5322 130 41982	BC848B