

Service
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FL 1.1 AC
FL 1.7 AA

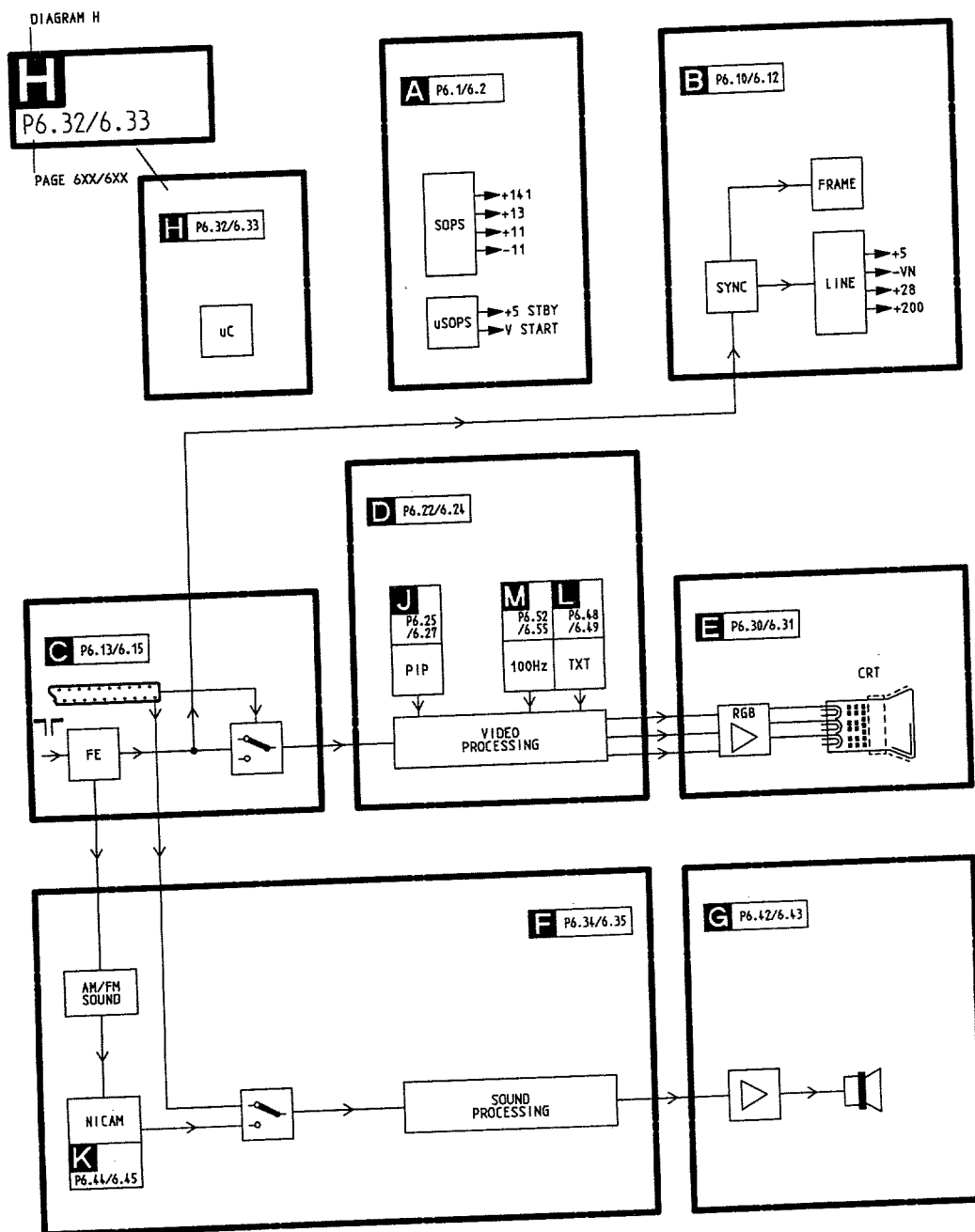
Service Manual

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1.2 CHASSIS FL1.1 Block diagram

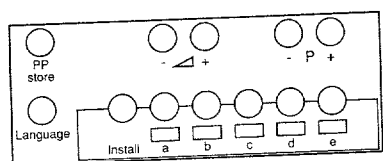


Technical data

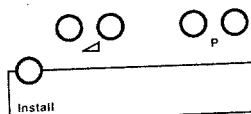
Mains voltage	: 220 - 240 V ($\pm 10\%$)
	: 50 Hz - 60 Hz ($\pm 5\%$)
Aerial input impedance	: 75 Ω - coaxial
Minimum aerial voltage	: 30 μ V (VHF), 40 μ V (UHF)
Maximum aerial voltage VHF/S/UHF	: 180 μ V
Pull-in range colour synchronization	: ± 300 Hz
Pull-in range horizontal synchronization	: +200 Hz/-300Hz

Programmes	: 0 - 59
VCR programmes	: 0, 00, 50 - 59

Local operation functions:



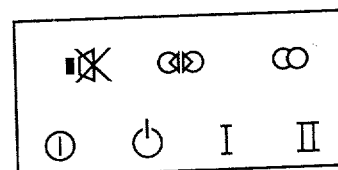
FL1.1



FL1.7

Indications:

- On Screen Display (OSD)
- LED:

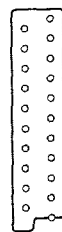


1. Specification of the connectors

EXT1 (AUX)

	1 -Audio $\rightarrow$ R ($0,5V_{RMS} \leq 1k\Omega$)
	2 -Audio $\rightarrow$ R ($0,2 - 2V_{RMS} \geq 10k\Omega$)
	3 -Audio $\rightarrow$ L ($0,5V_{RMS} \leq 1k\Omega$)
	4 -Audio $\perp$
	5 -Blue $\perp$
	6 -Audio $\rightarrow$ L ($0,2 - 2V_{RMS} \geq 10k\Omega$)
	7 -Blue ($0,7V_{pp}/75\Omega$)
	8 -CVBS-status 1 $\rightarrow$ 0-2V: int 4,5-7V: ext 16:9 9,5-12V: ext 4:3
	9 -Green $\perp$
	10 --
	11 -Green ($0,7V_{pp}/75\Omega$)
	12 --
	13 -Red $\perp$
	14 --
	15 -Red ($0,7V_{pp}/75\Omega$)
	16 -RGB-status (0-0,4V: int. 1-3V ext. 75 Ω)
	17 -CVBS $\perp$
	18 -CVBS $\perp$
	19 -CVBS $\rightarrow$ ($1V_{pp}/75\Omega$)
	20 -CVBS $\rightarrow$ ($1V_{pp}/75\Omega$)
	21 -Earthscreen

EXT2 (VCR)

	1 -Audio $\rightarrow$ R ($0,5V_{RMS} \leq 1k\Omega$)
	2 -Audio $\rightarrow$ R ($0,2 - 2V_{RMS} \geq 10k\Omega$)
	3 -Audio $\rightarrow$ L ($0,5V_{RMS} \leq 1k\Omega$)
	4 -Audio $\perp$
	5 -
	6 -Audio $\rightarrow$ L ($0,2 - 2V_{RMS} \geq 10k\Omega$)
	7 --
	8 -CVBS-status 2 $\rightarrow$ 0-2V: int 4,5-7V: ext 16:9 9,5-12V: ext 4:3
	9 --
	10 --
	11 --
	12 --
	13 --
	14 --
	15 --
	16 --
	17 -CVBS $\perp$
	18 -CVBS $\perp$
	19 -CVBS $\rightarrow$ ($1V_{pp}/75\Omega$)
	20 -CVBS $\rightarrow$ ($1V_{pp}/75\Omega$)
	21 -Earthscreen

EXT3 (front)

SVHS ¹⁾	1 - $\perp$
	2 - $\perp$
	3 - Y $\rightarrow$ ($1V_{pp}; 75\Omega$)
	4 - C $\rightarrow$ ($0,3V_{pp}; 75\Omega$)

-  CINCH Video $\rightarrow$ 300mV_{pp}/75 Ω ¹⁾
-  CINCH Audio $\rightarrow$ L ($0,5V_{RMS}; \geq 10k\Omega$)¹⁾
-  CINCH Audio $\rightarrow$ R ($0,5V_{RMS}; \geq 10k\Omega$)¹⁾

 $\frac{d}{4}$ 32-2000 $\Omega \geq 10mW$

Audio out (rear)

-  CINCH Audio $\rightarrow$ L ($0,5V_{RMS}; \leq 1k\Omega$)
-  CINCH Audio $\rightarrow$ R ($0,5V_{RMS}; \leq 1k\Omega$)



front : 2 x 16W / 8 Ω ¹⁾
rear : 2 x 6W / 8 Ω ¹⁾

EXT2 (SVHS) (rear)

SVHS	1 - $\perp$
	2 - $\perp$
	3 - Y $\rightarrow$ ($1V_{pp}; 75\Omega$)
	4 - C $\rightarrow$ ($0,3V_{pp}; 75\Omega$)

-  CINCH Audio $\rightarrow$ L ($0,5V_{RMS}; \geq 10k\Omega$)
-  CINCH Audio $\rightarrow$ R ($0,5V_{RMS}; \geq 10k\Omega$)

SVHS ¹⁾	1 - $\perp$
	2 - $\perp$
	3 - Y $\rightarrow$ ($1V_{pp}; 75\Omega$)
	4 - C $\rightarrow$ ($0,3V_{pp}; 75\Omega$)

-  CINCH Audio $\rightarrow$ L ($0,5V_{RMS}; \leq 1k\Omega$)¹⁾
-  CINCH Audio $\rightarrow$ R ($0,5V_{RMS}; \leq 1k\Omega$)¹⁾

¹⁾ Only for FL1.1.

2.2 CHASSIS FL1.1 Connection facilities

2. Connection of equipment

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

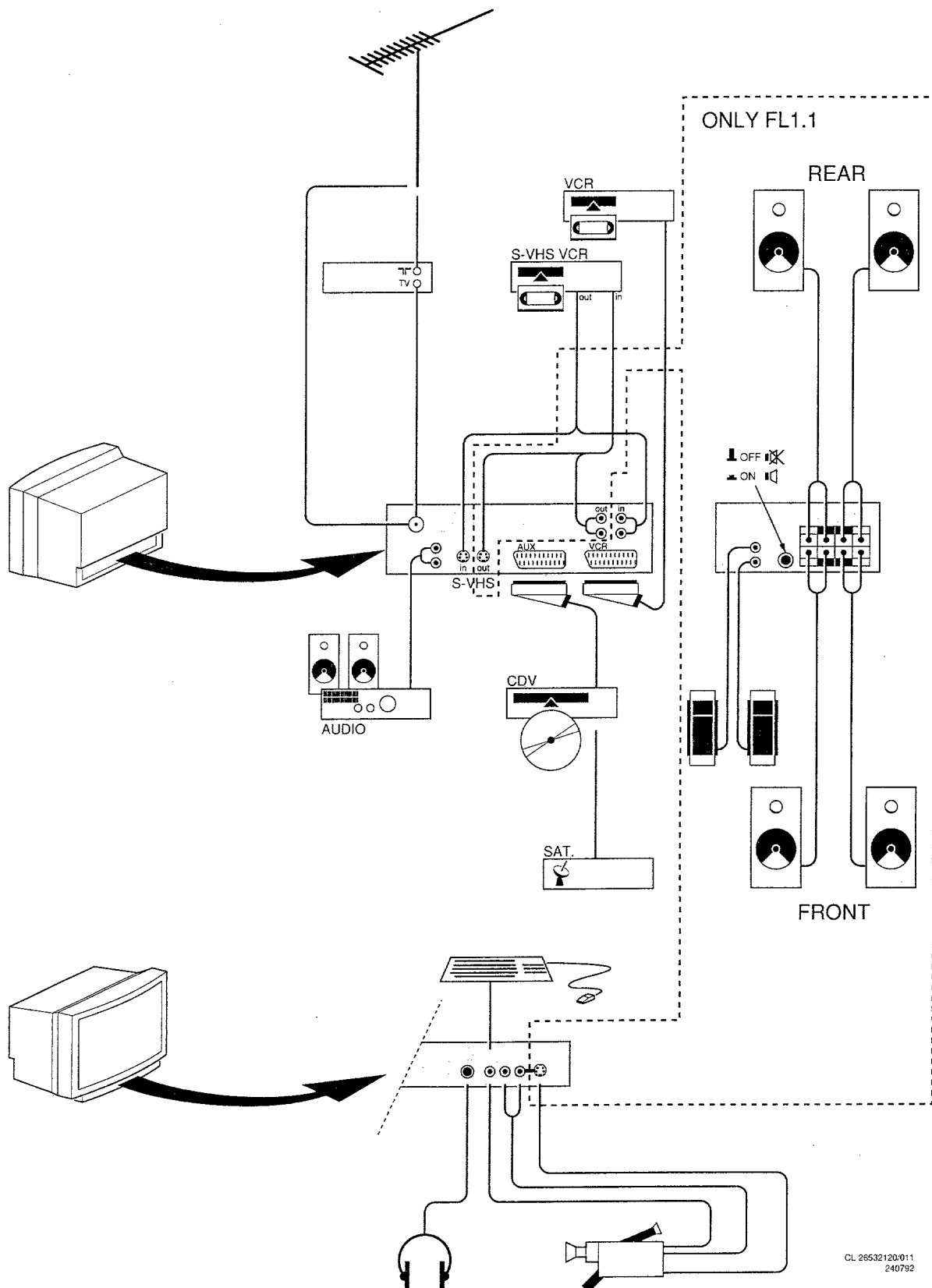


Fig. 2.1

CL 26532120/011
240792

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.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 0V (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 -16 or -12 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

CHASSIS FL1.1

3.1

4.1

1. The direct voltages and oscillograms should be measured with regard to the tuner earth ($\perp$), or hot earth ($\perp$) 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 ($\neg$) and without aerial signal ($\times$). Voltages in the power supply section are measured both for normal operation ($\textcircled{1}$) and in standby ($\textcircled{0}$). These values are indicated by means of the appropriate symbols.
4. The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.
5. The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.
6. The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.
7. In the case of error searching and/or repair to the PIP module, the accessibility of the circuit and the components can be increased by using extension cards.
5 times: 4822 395 30261
10 times: 4822 395 30257

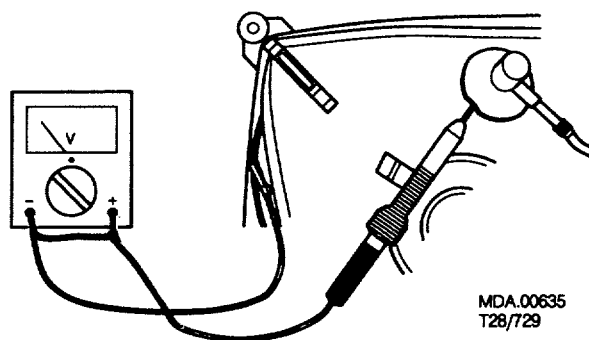


fig. 3.1

Mechanical instructions

1. Removing the back plate (Fig. 4.1)

Remove cover A from the back plate.
Remove connector B (L36) 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. 4.3) of the large signal panel.
Tilt the back of the two panels and attach both panels using brackets F situated on the underside of the small signal panel, at an angle of 90° to one another.

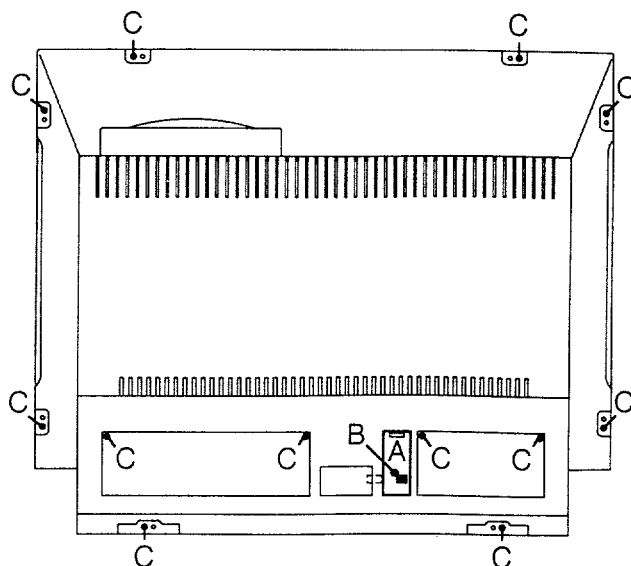


Fig. 4.1

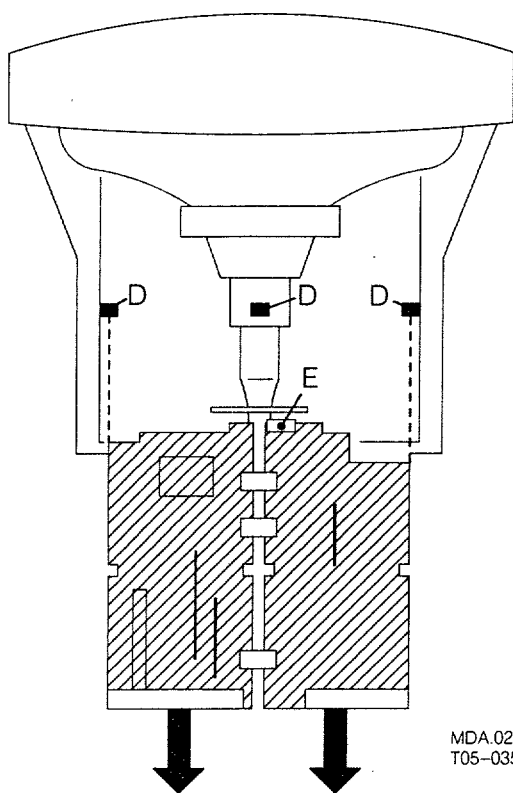
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T05-035

Fig. 4.2

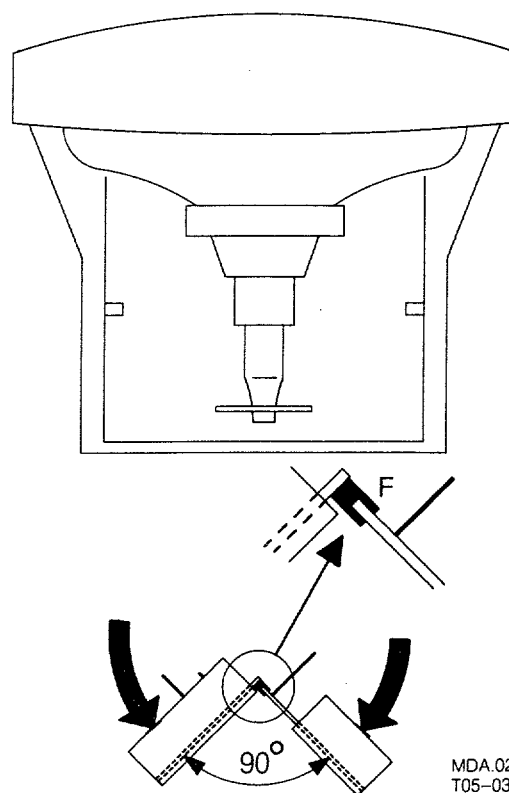
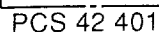
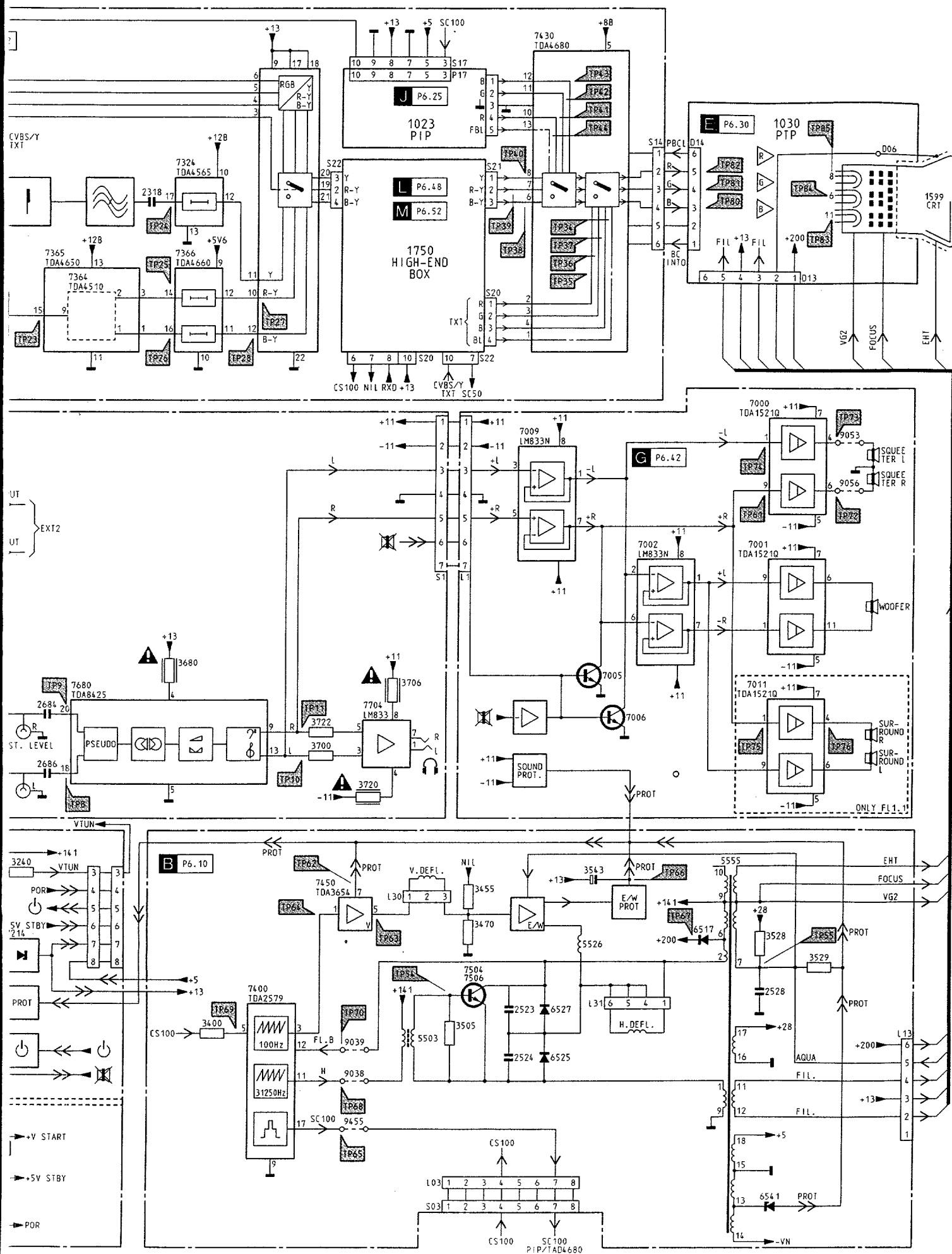
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Fig. 4.3

MDA.02802
T05-035



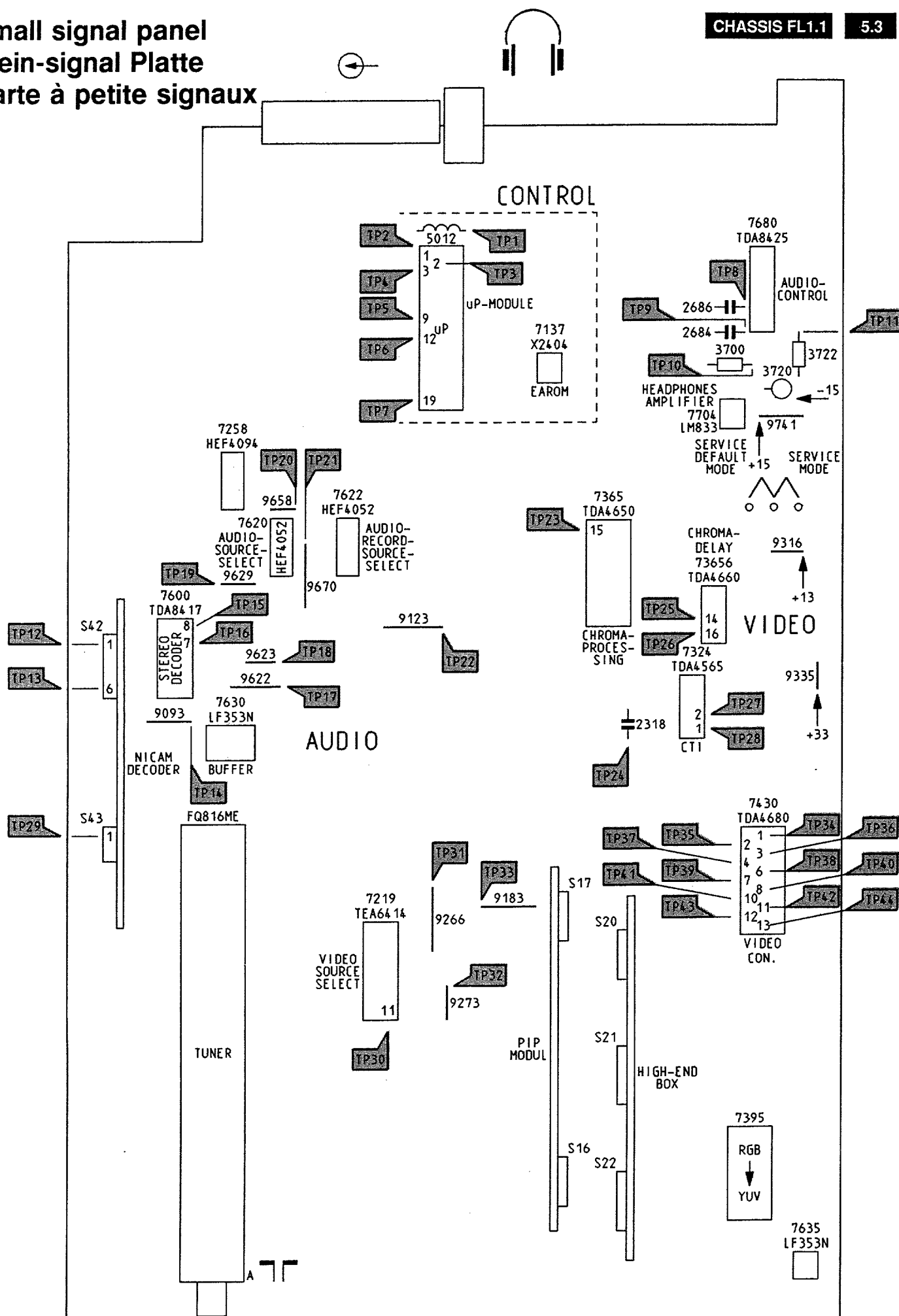


Small signal panel
Klein-signal Platte
Carte à petite signaux

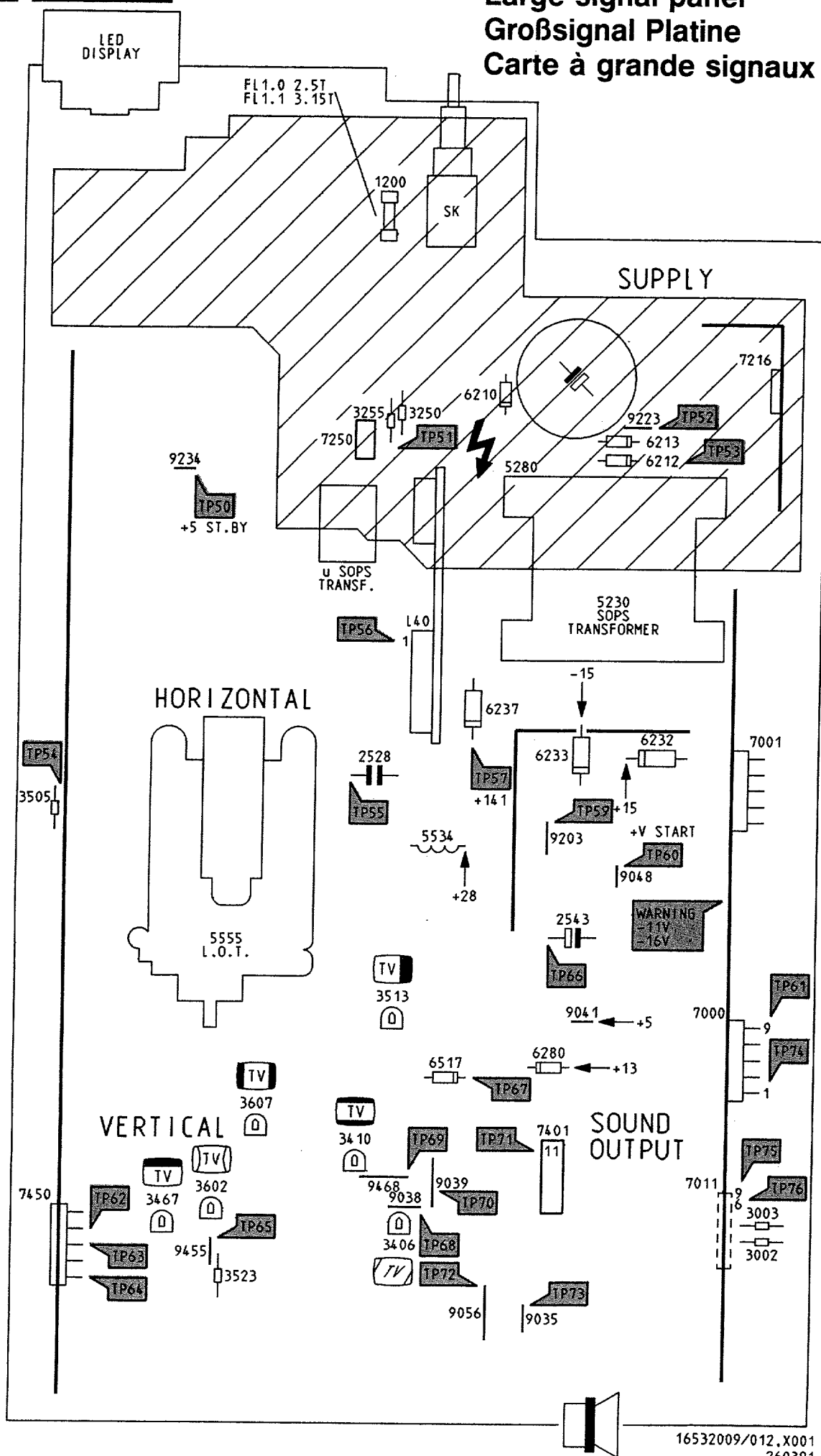
CHASSIS FL1.1

5.3

5.4



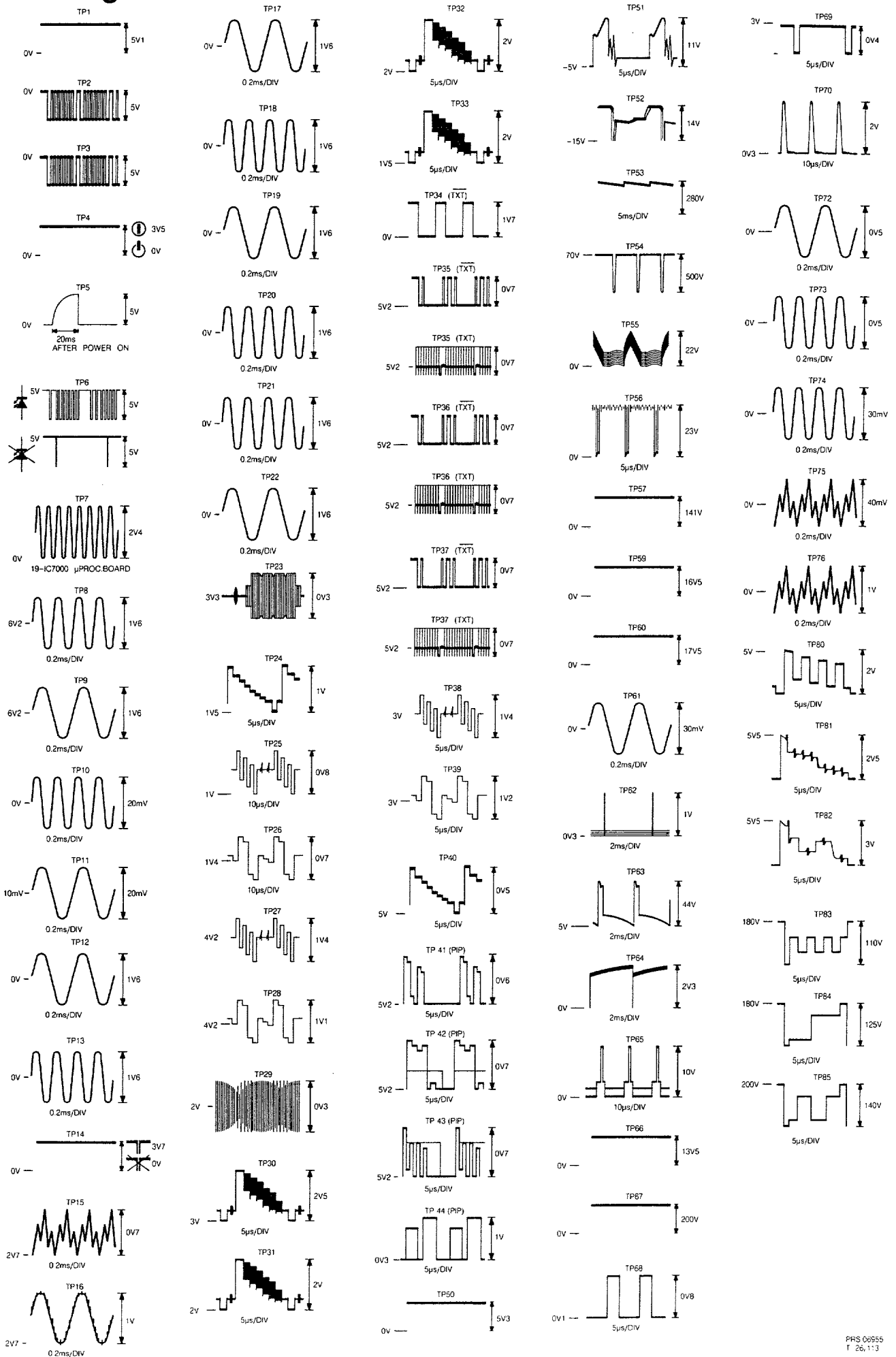
Large signal panel
Großsignal Platine
Carte à grande signaux



Oscillograms

CHASSIS FL1.1

5.5





Power supply

Stromversorgung

CHASSIS FL1.1

6.2

A

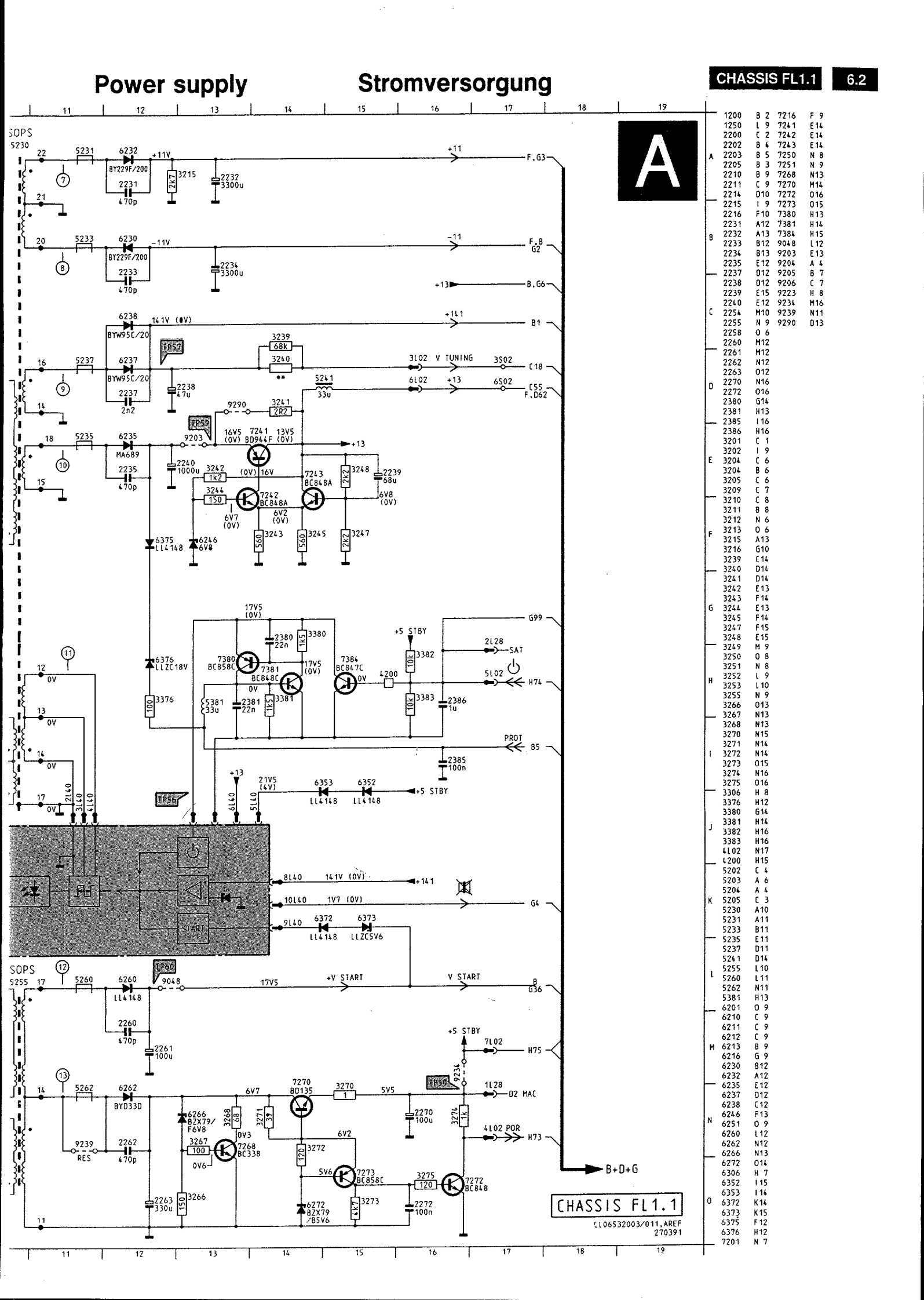
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1250	L 9	7241	E14
2200	C 2	7242	E14
2202	B 4	7243	E14
2203	B 5	7250	N 8
2205	B 3	7251	N 9
2210	B 9	7268	N13
2211	C 9	7270	M14
2214	D10	7272	O16
2215	L 9	7273	O15
2216	F10	7380	H13
2231	A12	7381	H14
2232	A13	7384	H15
2233	B12	9048	L12
2234	B13	9203	E13
2235	E12	9204	A 4
2237	D12	9205	B 7
2238	D12	9206	C 7
2239	E15	9223	H 8
2240	E12	9234	M16
2254	M10	9239	N11
2255	N 9	9290	O13
2258	O 6		
2260	M12		
2261	M12		
2262	M12		
2263	O12		
2270	M16		
2272	O16		
2380	G14		
2381	H13		
2385	I16		
2386	H16		
3201	C 1		
3202	I 9		
3204	C 6		
3204	B 6		
3205	C 6		
3209	C 7		
3210	C 8		
3211	B 8		
3212	N 6		
3213	O 6		
3215	A13		
3216	G10		
3239	C14		
3240	D14		
3241	D14		
3242	E13		
3243	F14		
3244	E13		
3245	F14		
3247	F15		
3248	E15		
3249	M 9		
3250	O 8		
3251	N 8		
3252	L 9		
3253	L10		
3255	N 9		
3266	O13		
3267	M13		
3268	N13		
3270	N15		
3271	N14		
3272	N14		
3273	O15		
3274	N16		
3275	O16		
3306	H 8		
3376	H12		
3380	G14		
3381	H14		
3382	H16		
3383	H16		
4102	N17		
4200	H15		
5202	C 4		
5203	A 6		
5204	A 4		
5205	C 3		
5230	A10		
5231	A11		
5233	B11		
5235	E11		
5237	D11		
5241	D14		
5255	L10		
5260	L11		
5262	N11		
5381	H13		
6201	O 9		
6210	C 9		
6211	C 9		
6212	C 9		
6213	B 9		
6216	G 9		
6230	B12		
6232	A12		
6235	E12		
6237	D12		
6238	C12		
6246	F13		
6251	O 9		
6260	L12		
6262	N12		
6266	N13		
6272	O14		
6306	H 7		
6352	I15		
6353	I14		
6372	K14		
6373	K15		
6375	F12		
6376	H12		
7201	N 7		

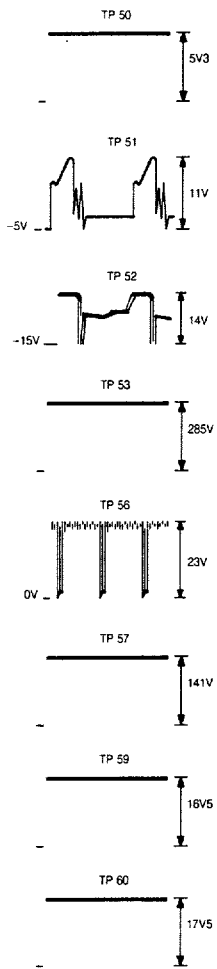
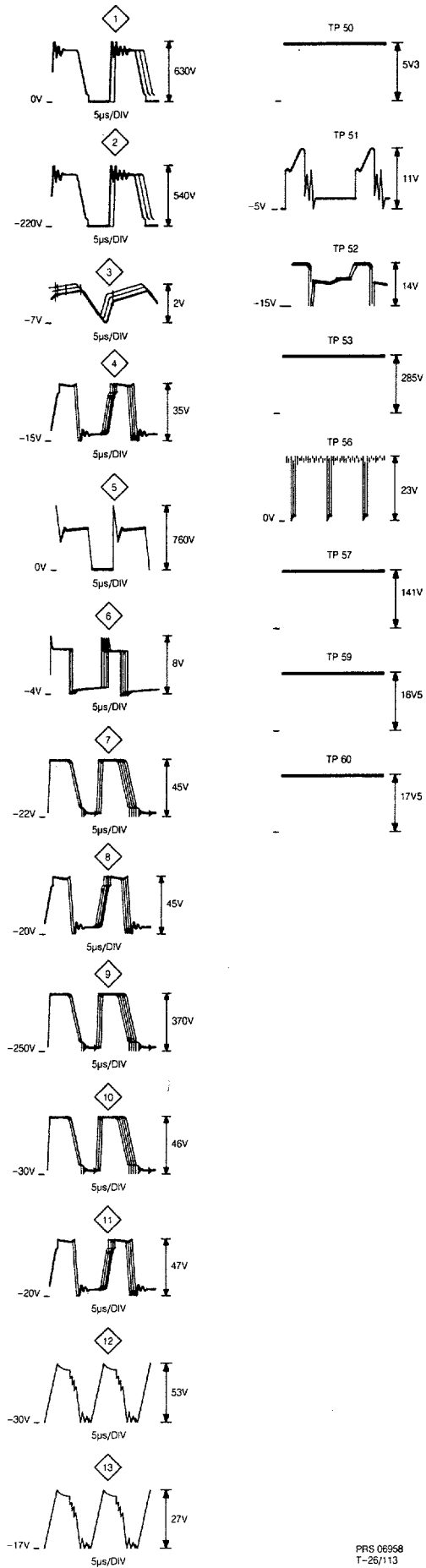
CHASSIS FL1.1

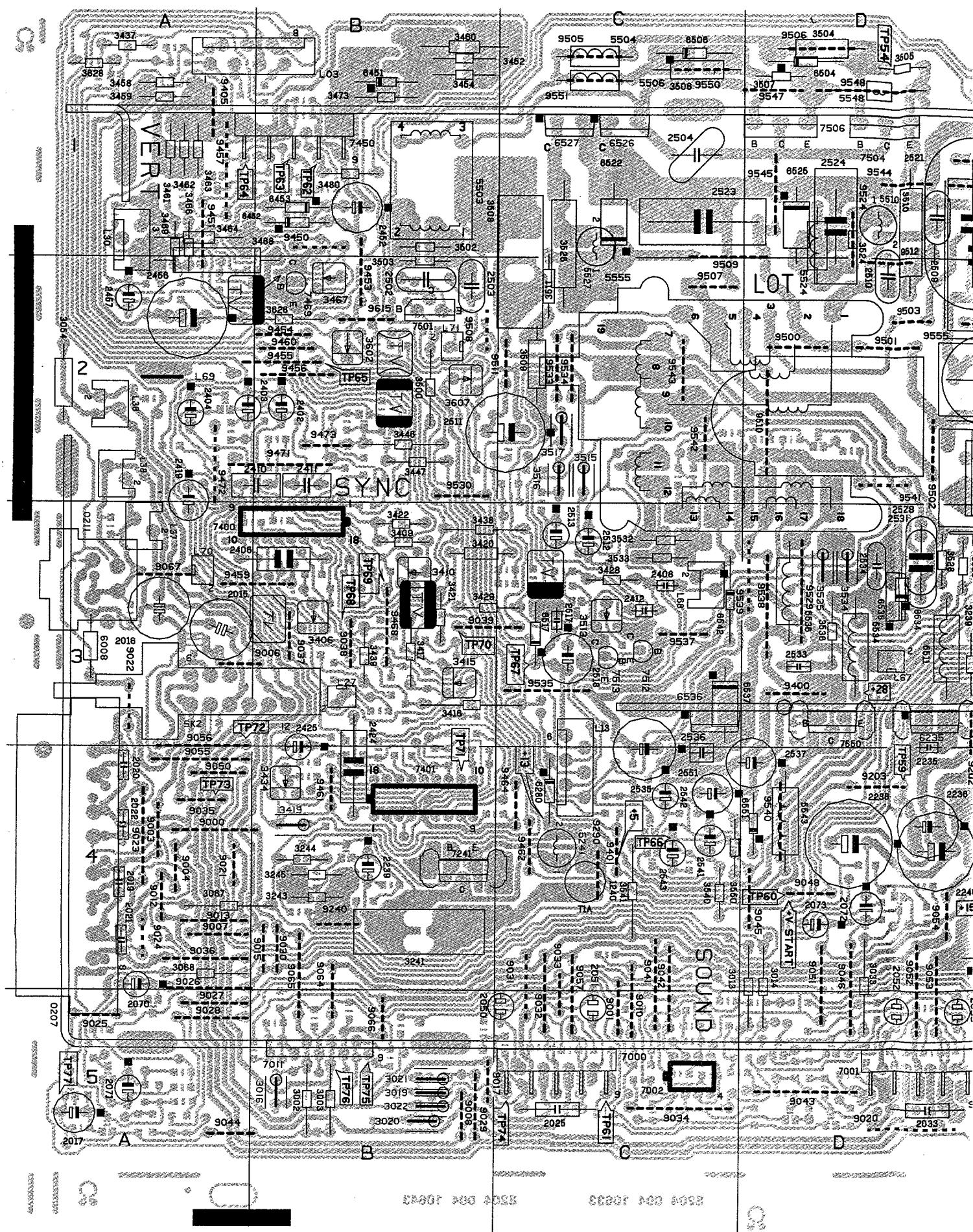
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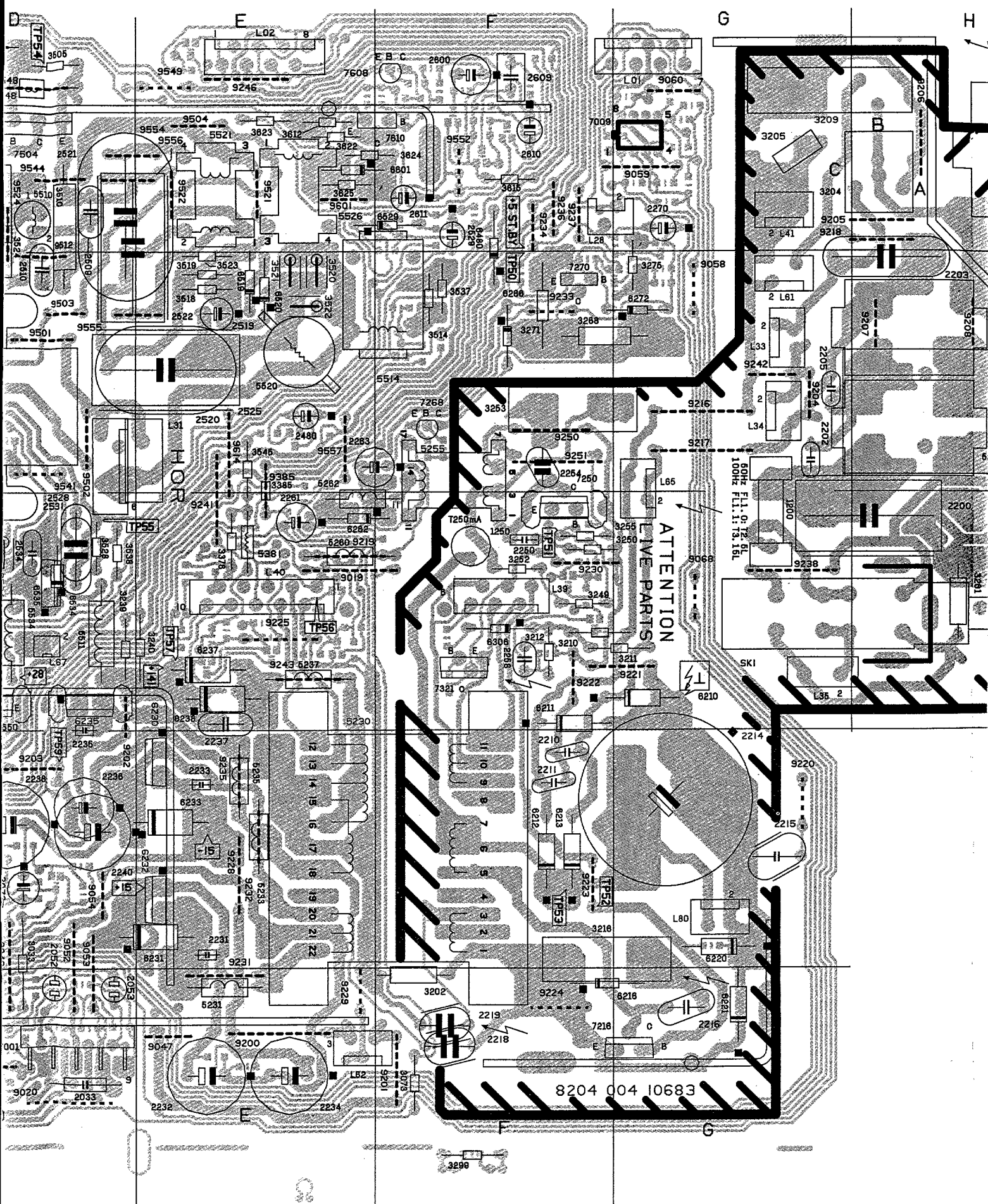
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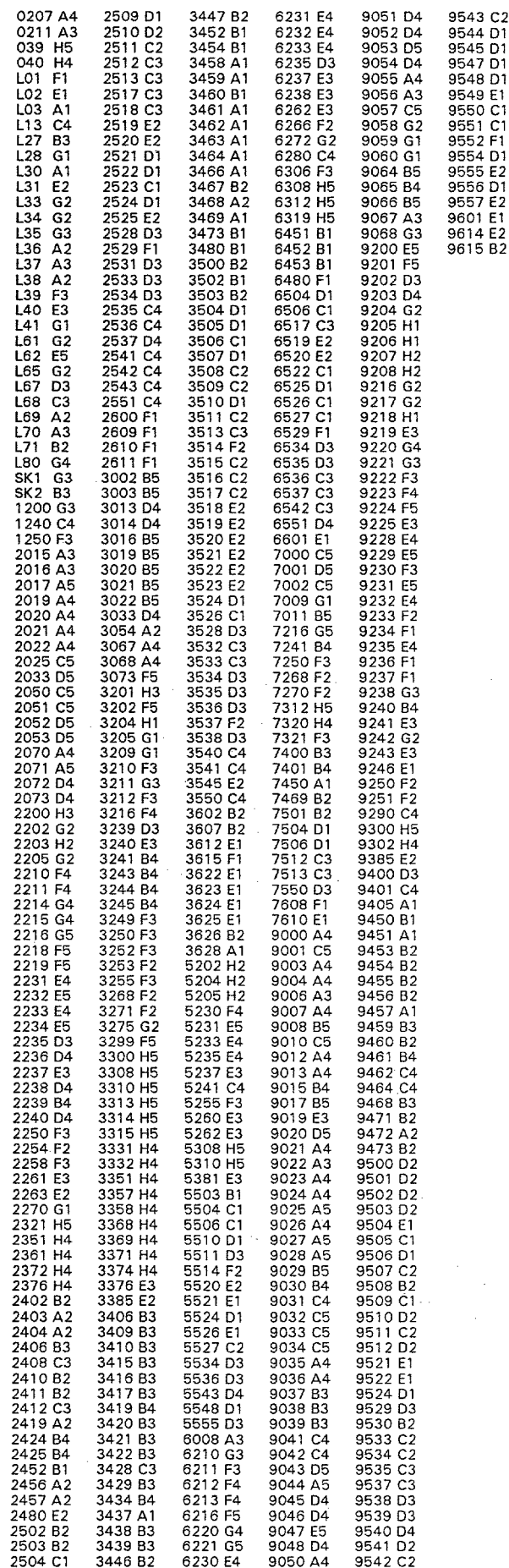
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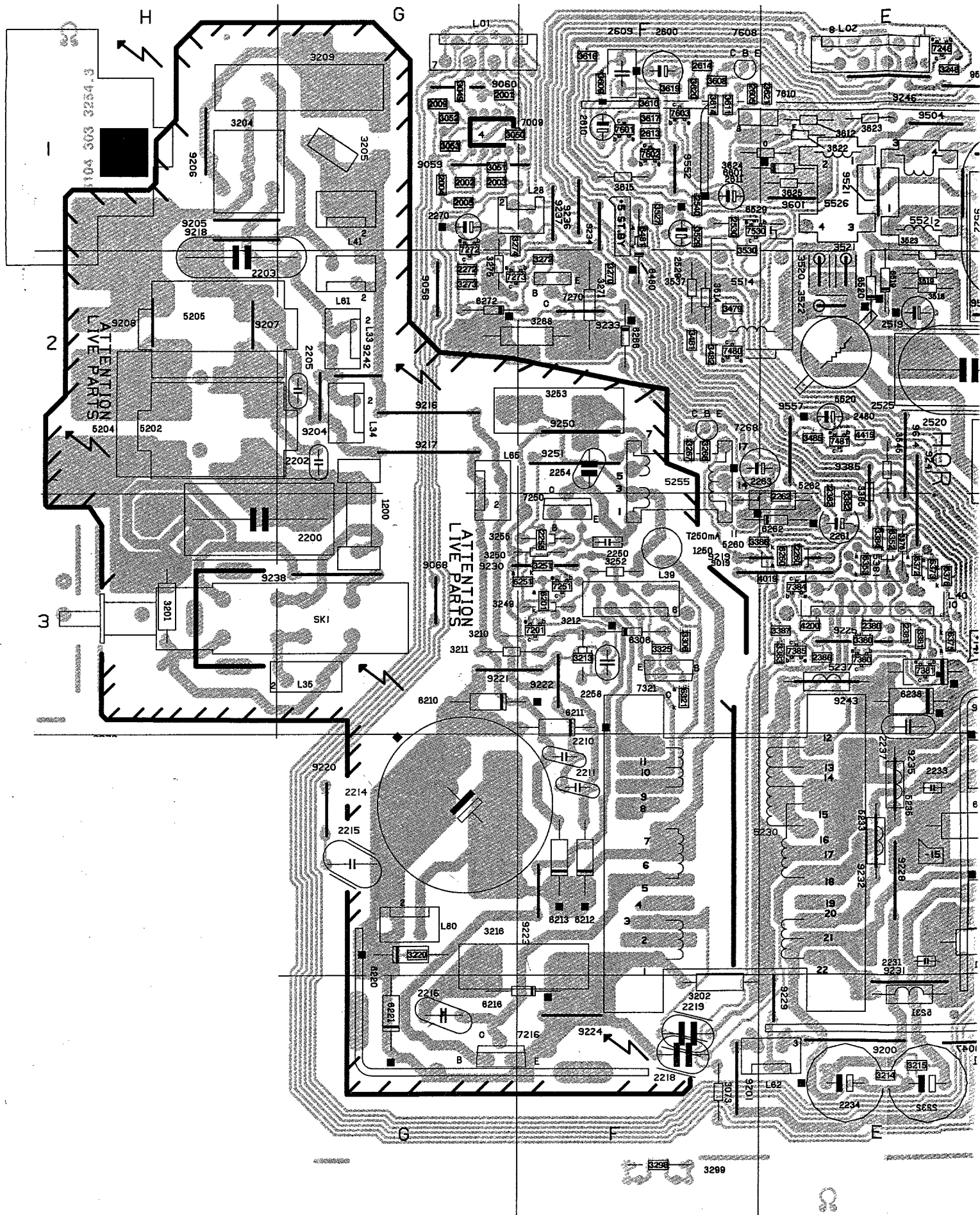


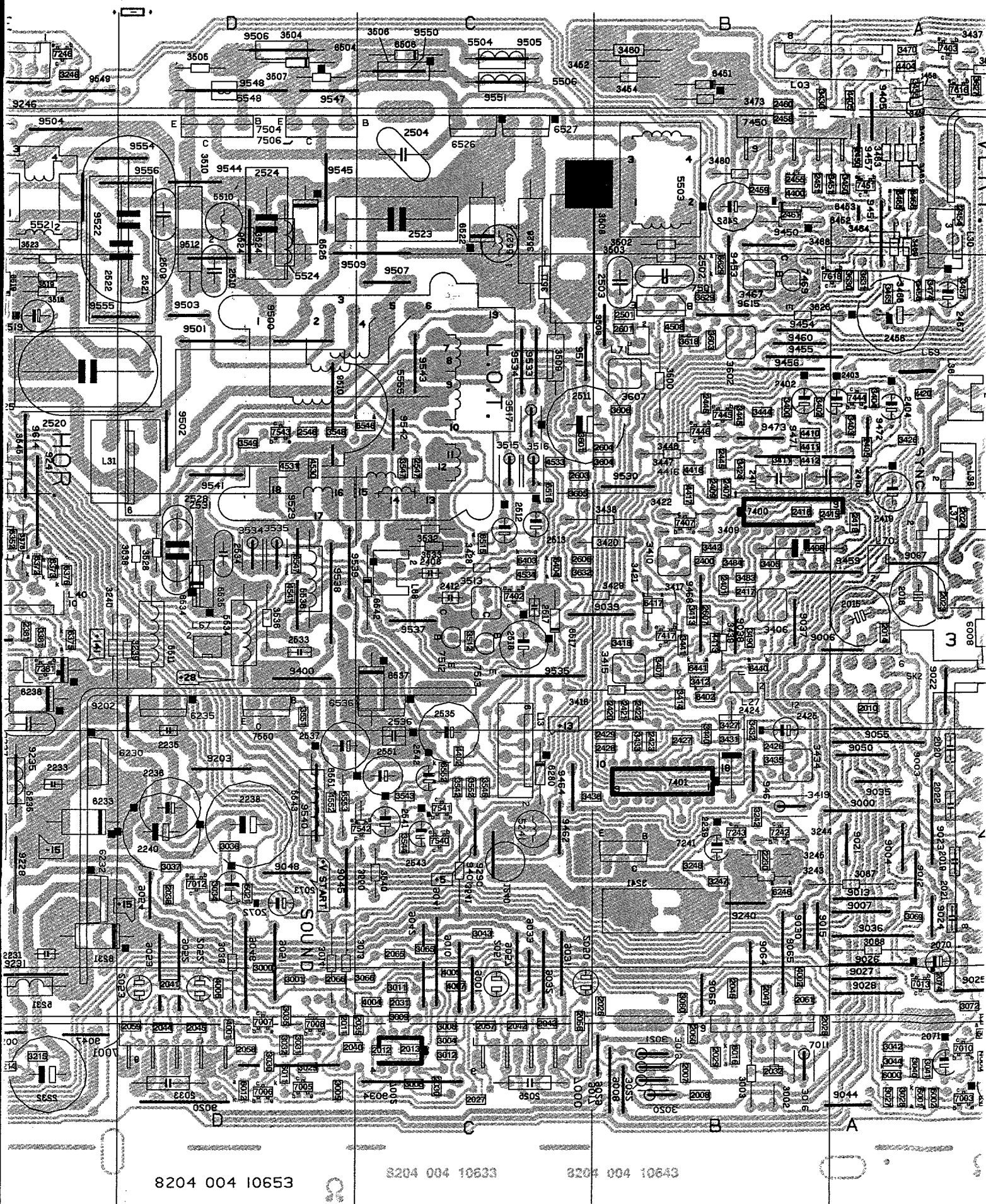


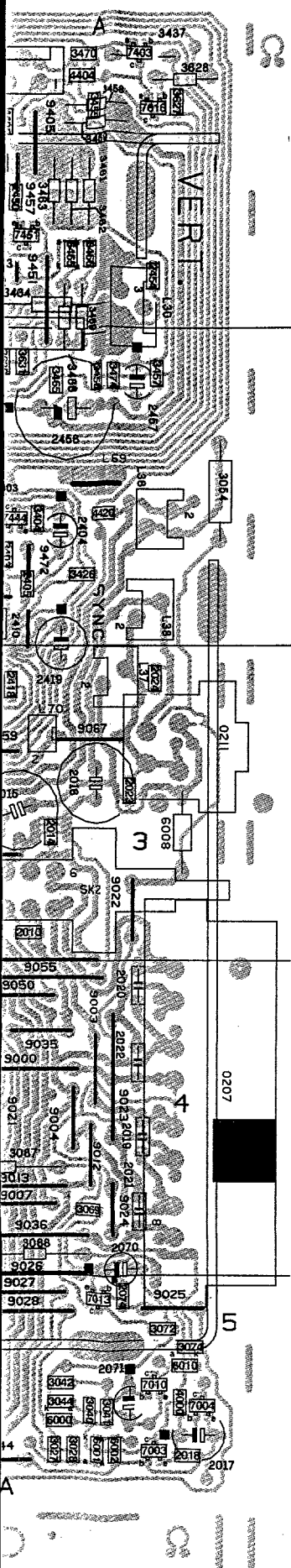




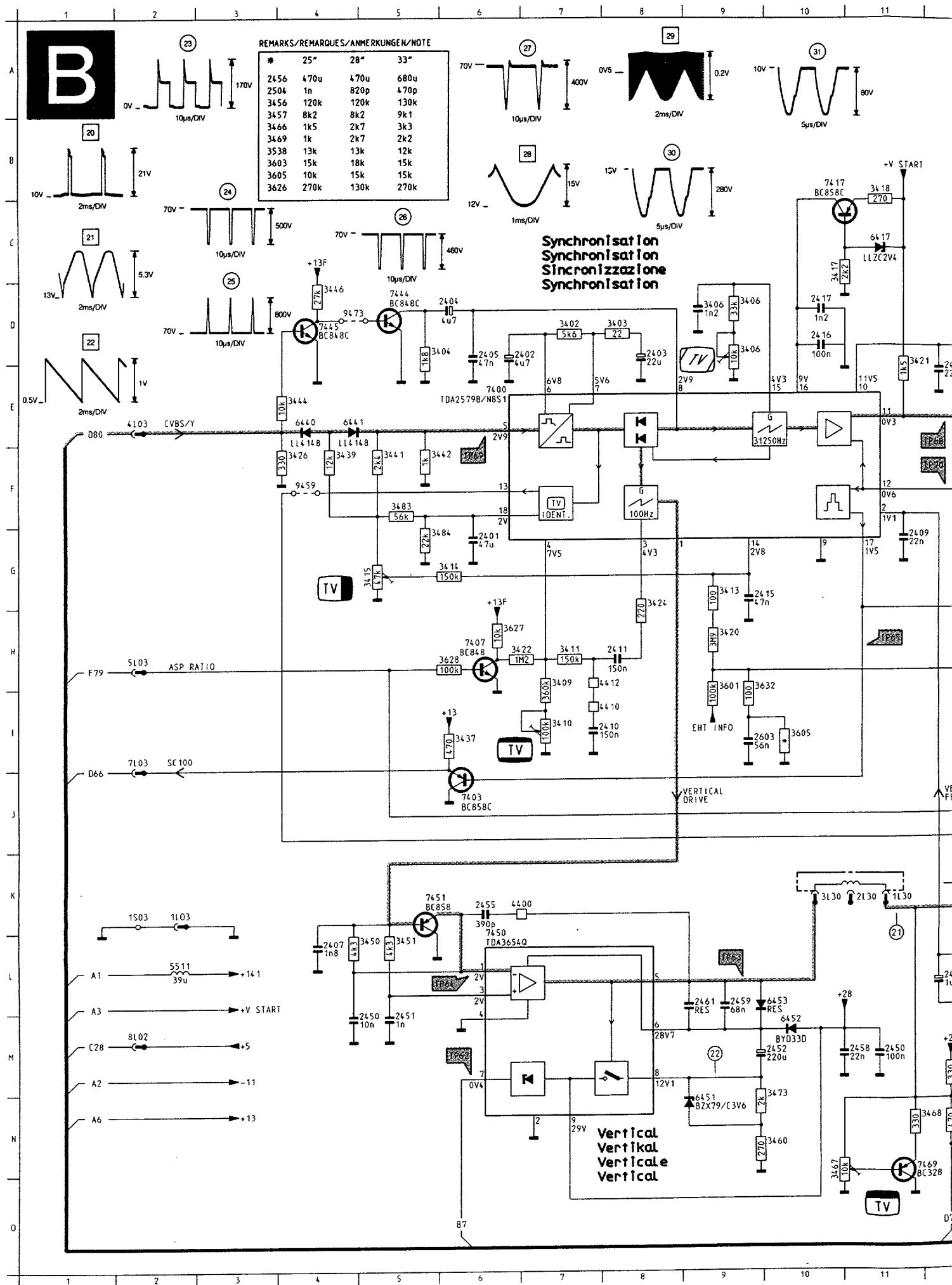




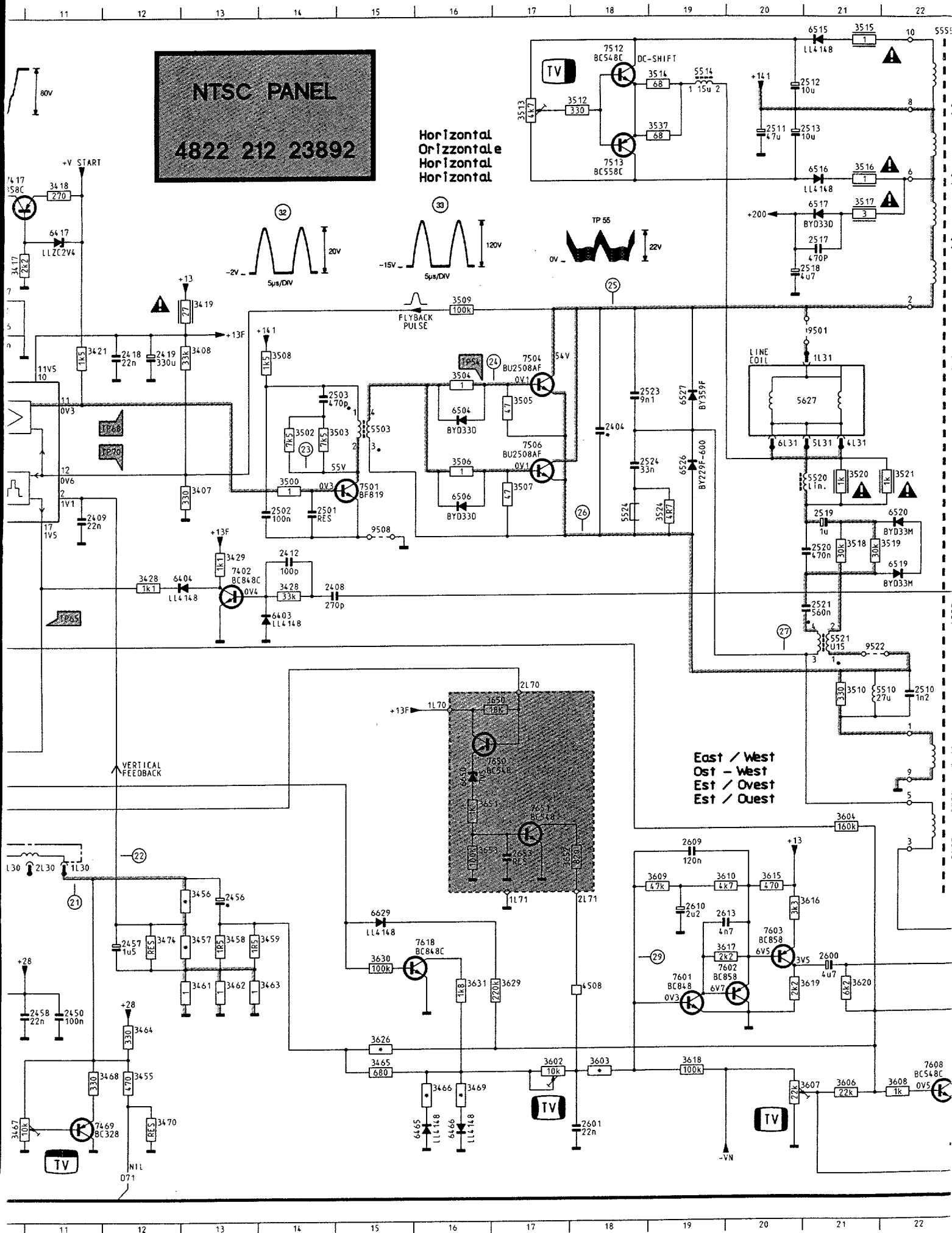




0207 A4	2216 G5	2530 F1	3253 F2	3447 B2	3624 E1	6304 H5	7402 C3	9222 F3
0211 A3	2218 F5	2531 D3	3255 F3	3450 A1	3625 E1	6305 F3	7403 A1	9223 F4
039 H5	2219 F5	2533 D3	3266 F2	3451 A1	3626 B2	6308 H5	7407 B3	9224 F5
040 H4	2230 B4	2534 D3	3267 F2	3452 B1	3627 A1	6312 H5	7417 B3	9225 E3
L01 F1	2231 A4	2535 C4	3268 F2	3454 B1	3628 A1	6315 H5	7444 A2	9228 E4
L02 E1	2232 E5	2536 C4	3270 F2	3455 A1	3629 B2	6318 H5	7445 B2	9229 E5
L03 A1	2233 A4	2537 D4	3271 F2	3456 A2	3630 A2	6319 H5	7446 B2	9230 F3
L13 C4	2234 E5	2540 F1	3272 F2	3457 A2	3631 A2	6321 F3	7450 A1	9231 E5
L27 B3	2235 D3	2541 C4	3273 G2	3458 A1	3632 C3	6331 H4	7451 A1	9232 E4
L28 G1	2236 D4	2542 C4	3274 G1	3459 A1	4000 A5	6349 H4	7469 B2	9233 F2
L30 A1	2237 E3	2543 C4	3275 G2	3460 B1	4001 D5	6350 H4	7480 F2	9234 F1
L31 E2	2238 D4	2546 D2	3298 F5	3461 A1	4002 B5	6351 H4	7481 E2	9235 E4
L33 G2	2239 B4	2547 C2	3299 F5	3462 A1	4004 C5	6352 E3	7501 B2	9236 F1
L34 G2	2240 D4	2551 C4	3300 H5	3463 A1	4005 C5	6353 E3	7504 D1	9237 F1
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L36 A2	2254 F2	2601 B2	3305 H5	3465 A2	4007 C5	6356 H4	7512 C3	9240 B4
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L38 A2	2258 F3	2604 B2	3308 H5	3467 B2	4200 E3	6370 H4	7530 F1	9242 G2
L39 F3	2260 E3	2605 F1	3309 H5	3468 A2	4400 B1	6371 H4	7540 C4	9243 E3
L40 E3	2261 E3	2606 C3	3310 H5	3469 A1	4402 C4	6372 E3	7541 C4	9246 E1
L41 G1	2262 E3	2607 B3	3311 H5	3470 A1	4404 A1	6373 E3	7542 C4	9250 F2
L61 G2	2263 E2	2609 F1	3312 H5	3473 B1	4405 A1	6375 E3	7543 D2	9251 F2
L62 E5	2270 G1	2610 F1	3313 H5	3474 A2	4410 B2	6376 E3	7550 D3	9290 C4
L65 G2	2272 G2	2611 F1	3314 H5	3479 F2	4411 B2	6402 B3	7601 F1	9300 H5
L67 D3	2302 H5	2613 F1	3315 H5	3480 B1	4412 B2	6403 C3	7602 F1	9302 H4
L68 C3	2303 H5	2614 F1	3317 H5	3481 F2	4413 B3	6404 C3	7603 F1	9385 E2
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L70 A3	2321 H5	3001 D5	3321 H5	3483 B3	4416 B2	6440 B3	7610 E1	9401 C4
L71 B2	2331 H4	3002 B5	3322 H5	3484 B3	4417 B3	6441 B3	7616 A1	9405 A1
L80 G4	2351 H4	3003 B5	3325 F3	3485 E2	4420 A2	6451 B1	7618 A2	9450 B1
SK1 G3	2360 H4	3004 C5	3331 H4	3490 B3	4508 B2	6452 B1	9000 A4	9451 A1
SK2 B3	2361 H4	3005 D5	3332 H4	3500 B2	4530 D2	6453 B1	9001 C5	9453 B2
1200 G3	2365 H4	3006 C5	3350 H4	3502 B1	4531 D2	6465 A1	9003 A4	9454 B2
1240 C4	2372 H4	3008 C5	3351 H4	3503 B2	4533 C2	6466 A1	9004 A4	9455 B2
1250 F3	2374 H4	3009 C5	3356 H4	3504 D1	4534 C3	6480 F1	9006 A3	9456 B2
2001 G1	2376 H4	3011 C5	3357 H4	3505 D1	4541 D3	6481 F1	9007 A4	9457 A1
2002 G1	2380 E3	3012 C5	3358 H4	3506 C1	4552 D4	6504 D1	9008 B5	9459 B3
2003 G1	2381 E3	3013 D4	3360 H4	3507 D1	4552 D4	6506 C1	9010 C5	9460 B2
2004 G1	2382 E3	3014 D4	3362 H4	3508 C2	5202 H2	6515 C3	9012 A4	9461 B4
2005 G1	2386 E3	3016 B5	3364 H4	3509 C2	5204 H2	6516 C2	9013 A4	9462 C4
2007 B5	2400 B3	3019 B5	3365 H4	3510 D1	5205 H2	6517 C3	9015 B4	9464 C4
2008 B5	2401 B3	3020 B5	3366 H4	3511 C2	5230 F4	6519 E2	9017 B5	9468 B3
2009 G1	2402 B2	3021 B5	3368 H4	3512 C3	5231 E5	6520 E2	9019 E3	9471 B2
2010 A3	2403 A2	3022 B5	3369 H4	3513 C3	5233 E4	6522 C1	9020 D5	9472 A2
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2012 C5	2405 A2	3028 A5	3371 H4	3515 C2	5237 E3	6526 C1	9022 A3	9500 D2
2013 C5	2406 B3	3029 D5	3372 H4	3516 C2	5241 C4	6527 C1	9023 A4	9501 D2
2014 A3	2407 B2	3030 D5	3374 H4	3517 C2	5255 F3	6529 F1	9024 A4	9502 D2
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2050 C5	2458 B1	3204 H1	3419 B4	3550 C4	6021 D4	7242 B4	9056 A4	9549 E1
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2056 C5	2480 E2	3211 G3	3424 B2	3602 B2	6212 F4	7251 F3	9060 G1	9554 D1
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2074 A5	2519 E2	3244 B4	3437 A1	3615 F1	6246 B4	7369 H4	9206 H1	
2200 H3	2520 E2	3245 B4	3438 B3	3616 F1	6251 F3	7370 H4	9207 H2	
2202 G2	2521 D1	3246 E1	3439 B3	3617 F1	6260 E3	7371 H4	9208 H2	
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2210 F4	2524 D1	3249 F3	3442 B3	3620 F1	6272 G2	7384 E3	9218 H1	
2211 F4	2525 E2	3250 F3	3444 B2	3621 E1	6280 C4	7385 E3	9219 E3	
2214 G4	2528 D3	3251 F3	3445 B2	3622 E1	6302 H5	7400 B3	9220 G4	
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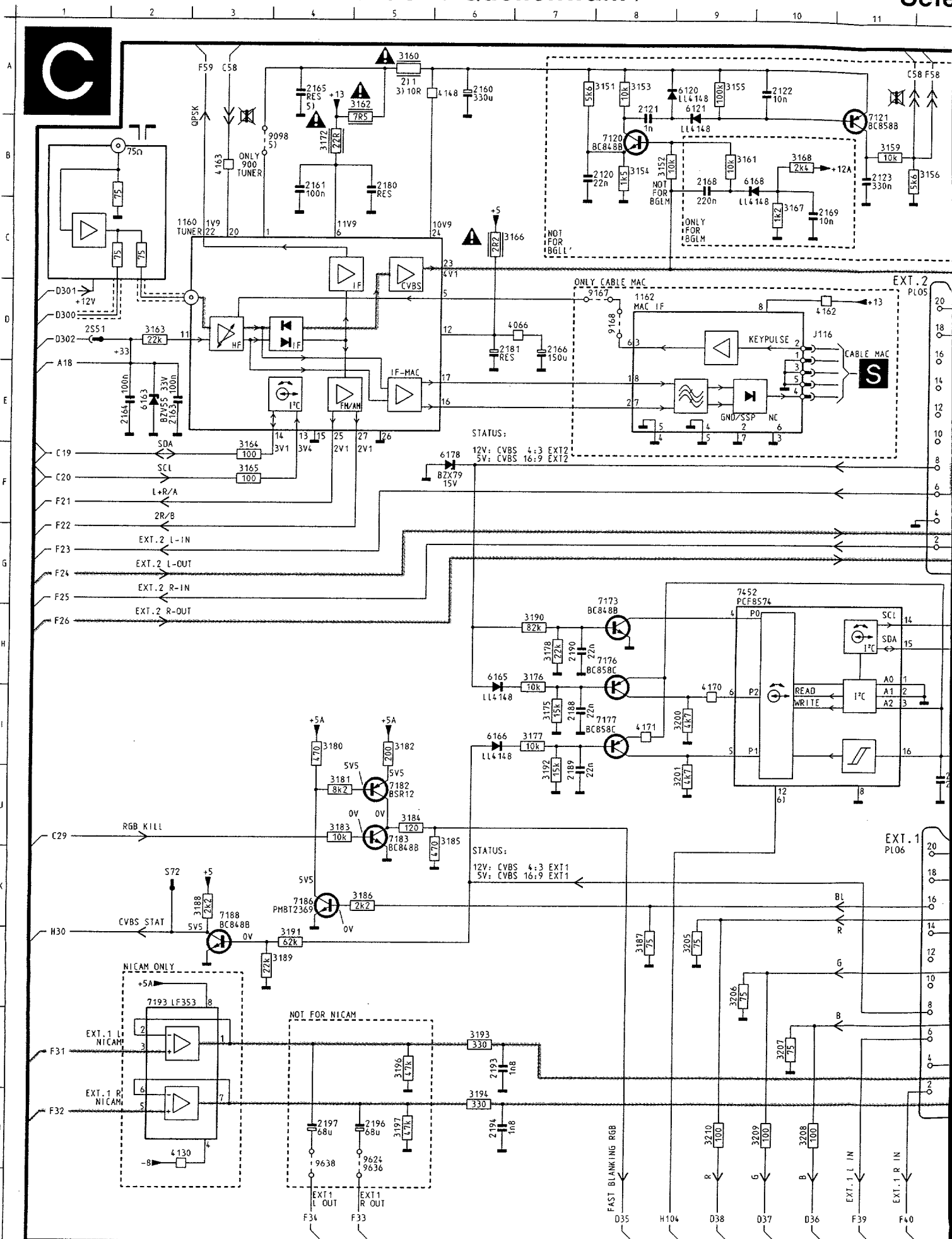


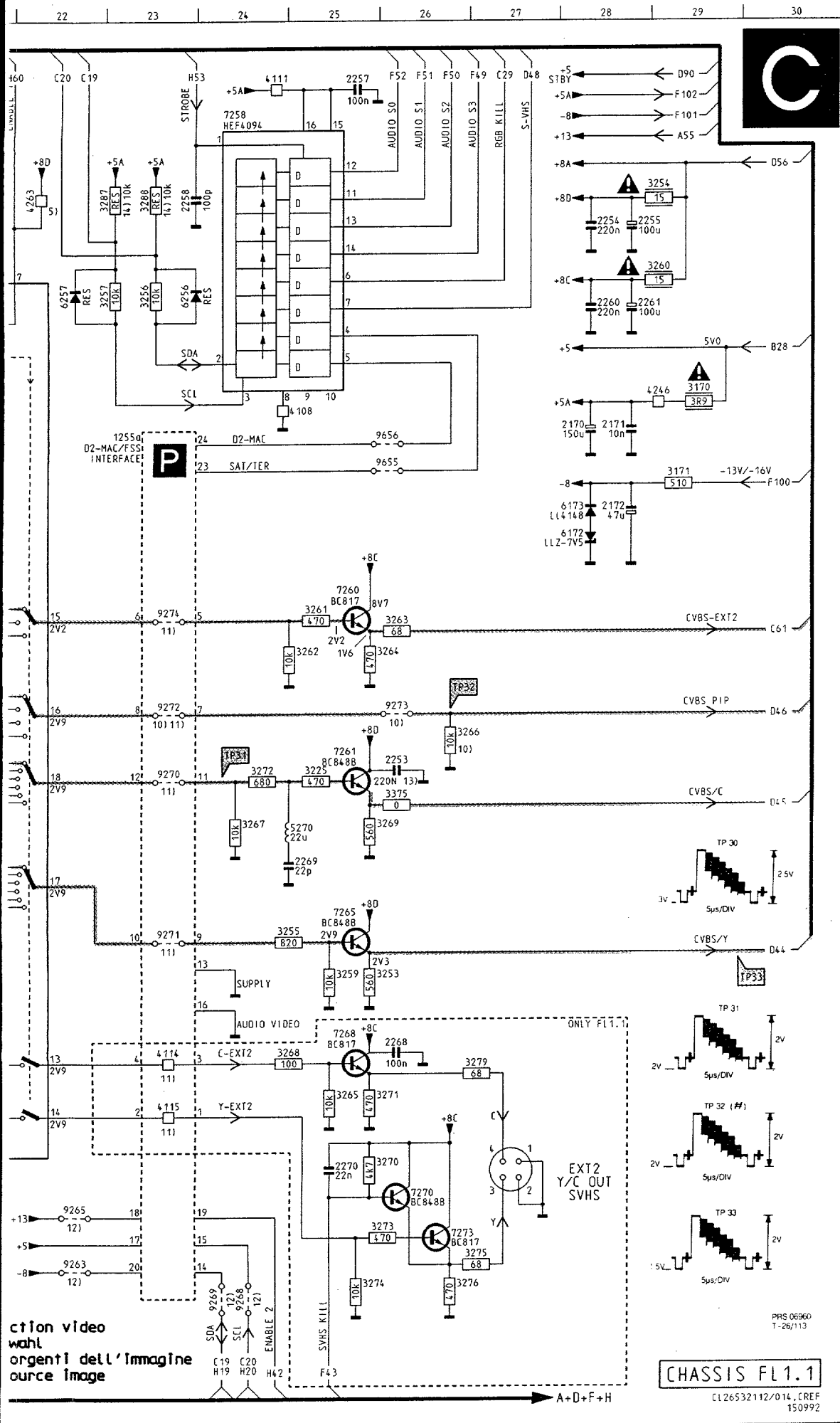
Synchronisation





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2404	D 6	3483	F 5	6534	H24
2404	F18	3484	G 5	6536	I25
2405	D 6	3485	F27	6542	K23
2407	L 4	3500	F14	6546	K23
2408	H14	3502	F14	6551	J26
2409	G11	3503	F14	6629	L15
2410	L 7	3504	E16	6650	J16
2411	H 8	3505	E17	7400	E 6
2412	G14	3506	F16	7402	G13
2415	G 9	3507	F17	7403	J 6
2416	D10	3508	H14	7407	H 6
2417	D10	3509	D16	7417	B10
2418	F12	3510	I21	7444	D 6
2419	E12	3512	A18	7445	D 4
2450	M11	3513	B17	7450	L 6
2450	M 5	3514	A19	7451	K 5
2451	M 5	3515	A21	7469	N11
2452	M10	3516	B21	7480	G26
2455	K 6	3517	C21	7481	E16
2456	L13	3518	G21	7501	F15
2457	L12	3519	G21	7504	E17
2458	M11	3520	F21	7506	F17
2459	L 9	3521	F22	7512	A18
2461	L 9	3524	G19	7513	B18
2480	G27	3527	D26	7530	C25
2501	G14	3528	D23	7540	N25
2502	G14	3529	D24	7541	N24
2503	E14	3530	C25	7542	N26
2510	I22	3532	E23	7543	K26
2511	B20	3533	E23	7550	H24
2512	A20	3534	G23	7601	M15
2513	B20	3535	H23	7602	M20
2517	C21	3536	G25	7603	L20
2518	D20	3537	B19	7608	N21
2519	G21	3538	C23	7610	N21
2520	G21	3540	N24	7618	L14
2521	H21	3541	N26	7650	J16
2523	E18	3542	M27	7651	F 7
2524	F18	3543	N27	9459	J16
2529	C24	3544	M26	9473	D 6
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2531	D24	3547	K24	9503	L21
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2535	H25	3549	K26	9522	H21
2536	I25	3550	I26	9529	I21
2537	I25	3551	I26	9540	H21
2540	D25	3601	H 9	9601	M21
2541	N25	3602	N17		
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2546	K25	3605	I10		
2547	K23	3606	N21		
2551	J26	3607	N20		
2600	L21	3608	N22		
2601	N18	3609	K19		
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2605	L23	3611	M23		
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2611	M24	3616	L20		
2613	L20	3617	L20		
2653	K17	3618	N19		
3402	D 7	3619	M20		
3403	D 8	3620	M21		
3404	D 5	3621	M23		
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3413	G 9	3632	H 9		
3414	G 6	3650	I17		
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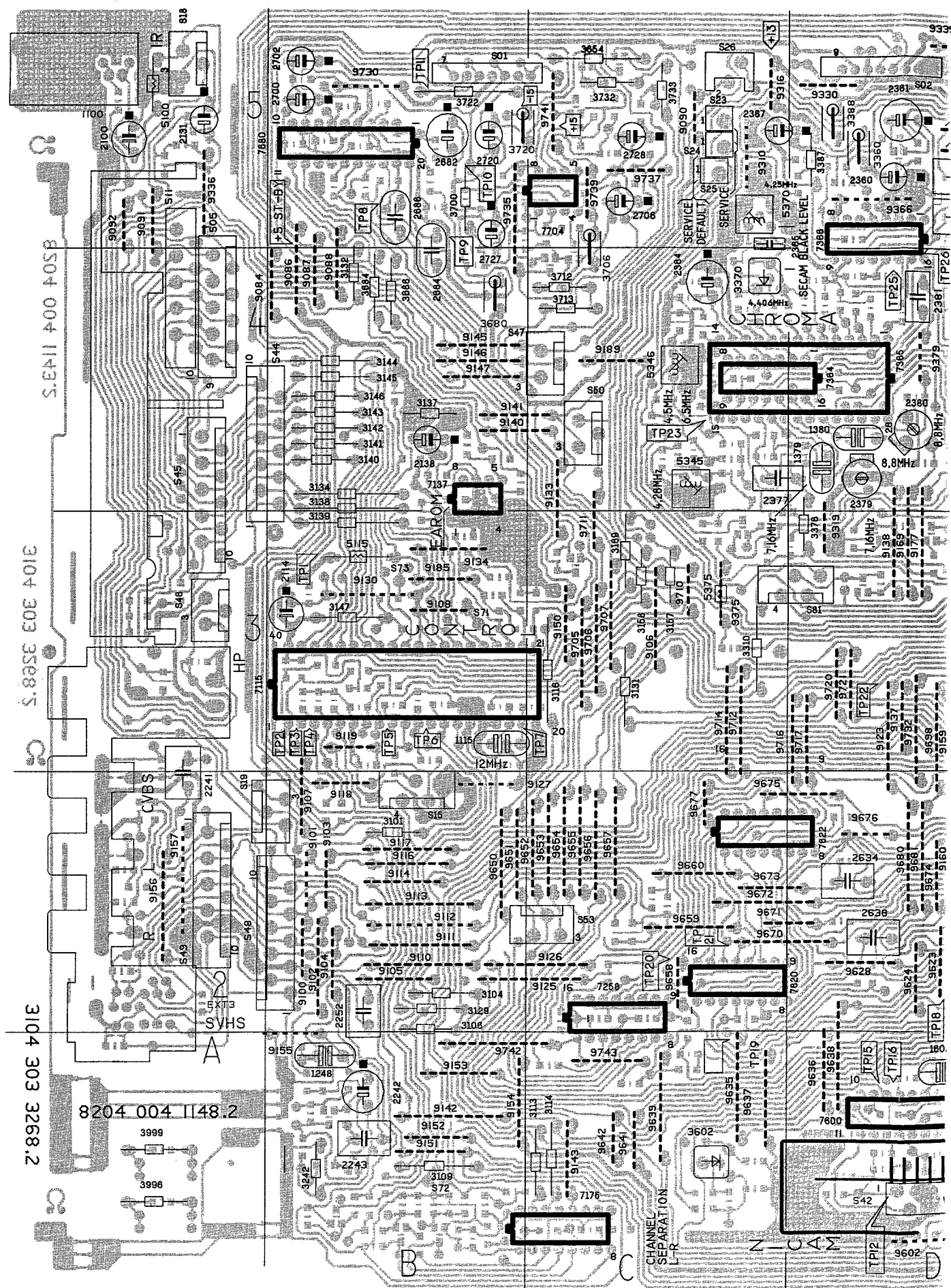


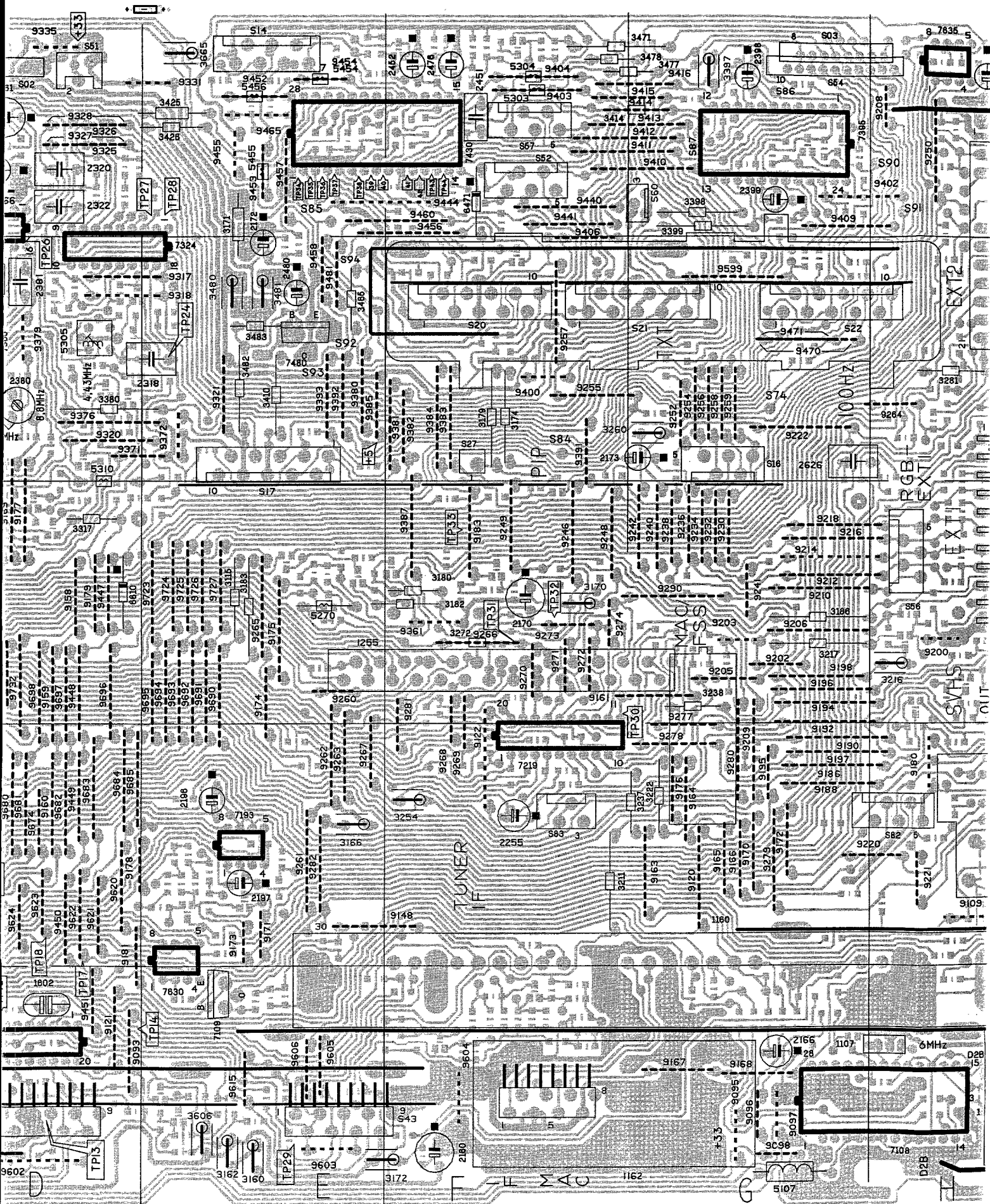


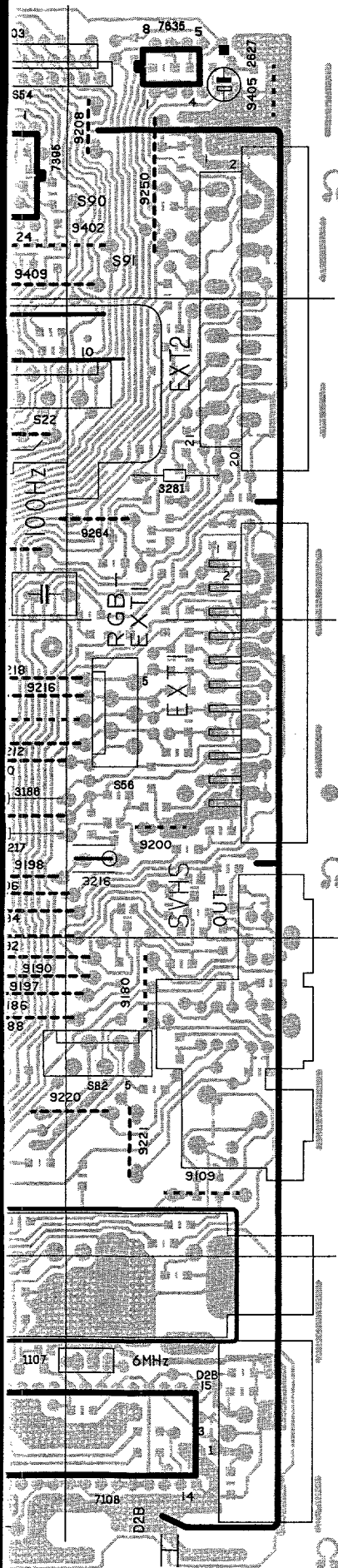
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2120	B 7	3242	J16	9273	H26
2121	A 8	3243	J17	9274	G23
2122	A10	3244	K16	9279	E15
2123	B11	3245	L16	9624	N 5
2160	A 6	3246	L16	9636	N 5
2161	B 4	3247	L16	9638	N 4
2163	E 2	3248	M16	9650	M17
2164	E 2	3249	N19	9655	E26
2165	A 4	3250	N19	9656	
2166	D 7	3251	O15		
2168	B 9	3252	O15		
2169	C10	3253	K25		
2170	E28	3254	B29		
2171	E28	3255	J25		
2172	F28	3256	C23		
2180	B 5	3257	C23		
2181	D 6	3259	K25		
2188	I 7	3260	C29		
2189	J 7	3261	G25		
2190	H 7	3262	G25		
2191	J12	3263	G26		
2193	M 6	3264	G25		
2194	N 6	3265	L25		
2196	N 5	3266	H26		
2197	N 4	3267	I24		
2216	C15	3268	L25		
2219	C19	3269	I25		
2234	I19	3270	M25		
2240	J19	3271	L25		
2241	K18	3272	I24		
2242	K15	3273	N26		
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2245	L15	3275	N27		
2249	N19	3276	N26		
2252	O18	3277	O19		
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2254	C28	3281	E14		
2255	C28	3284	B20		
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2268	L26	3288	B23		
2269	J25	3275	I26		
2270	M25	4066	D 7		
2274	H19	4108	E25		
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3114	H12	4114	L23		
3133	I12	4115	L23		
3151	A 7	4130	N 3		
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3153	A 8	4162	D10		
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3155	A 9	4170	I 9		
3156	B12	4171	I 8		
3159	B11	4234	I16		
3160	A 5	4235	H16		
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3164	F 3	4246	O29		
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3167	C10	5270	I25		
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3172	B 4	6165	H 6		
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3176	H 7	6168	B 9		
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3184	J 5	6281	B21		
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3192	J 7	7186	K 4		
3193	M 6	7188	K 3		
3194	N 6	7193	L 2		
3196	M 5	7216	B15		
3197	N 5	7219	C20		
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3201	J 9	7244	L16		
3205	L 9	7258	A24		
3206	L 9	7260	G25		
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3211	C14	7273	N26		
3215	C14	7452	G 9		
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3222	G20	9110	M17		
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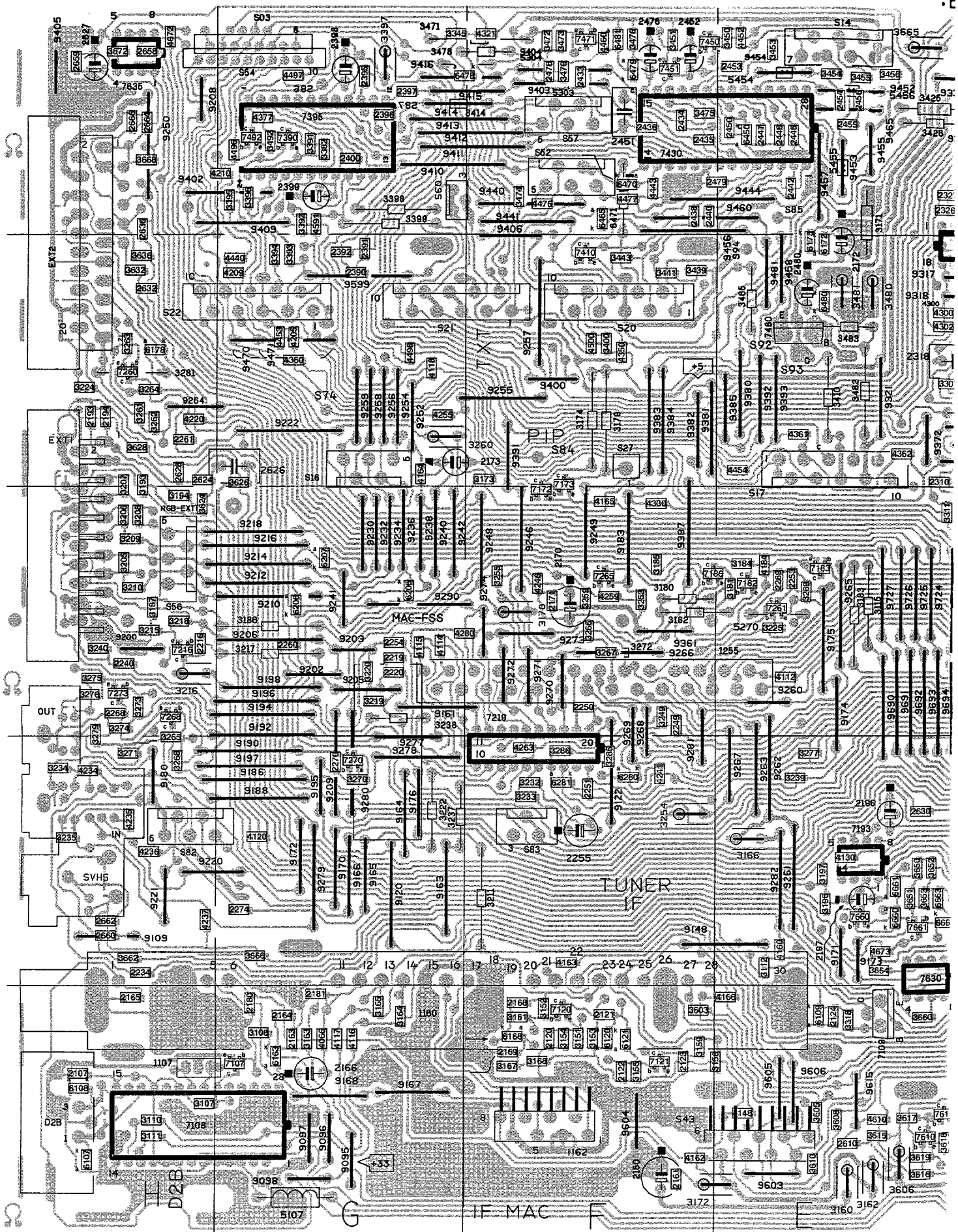
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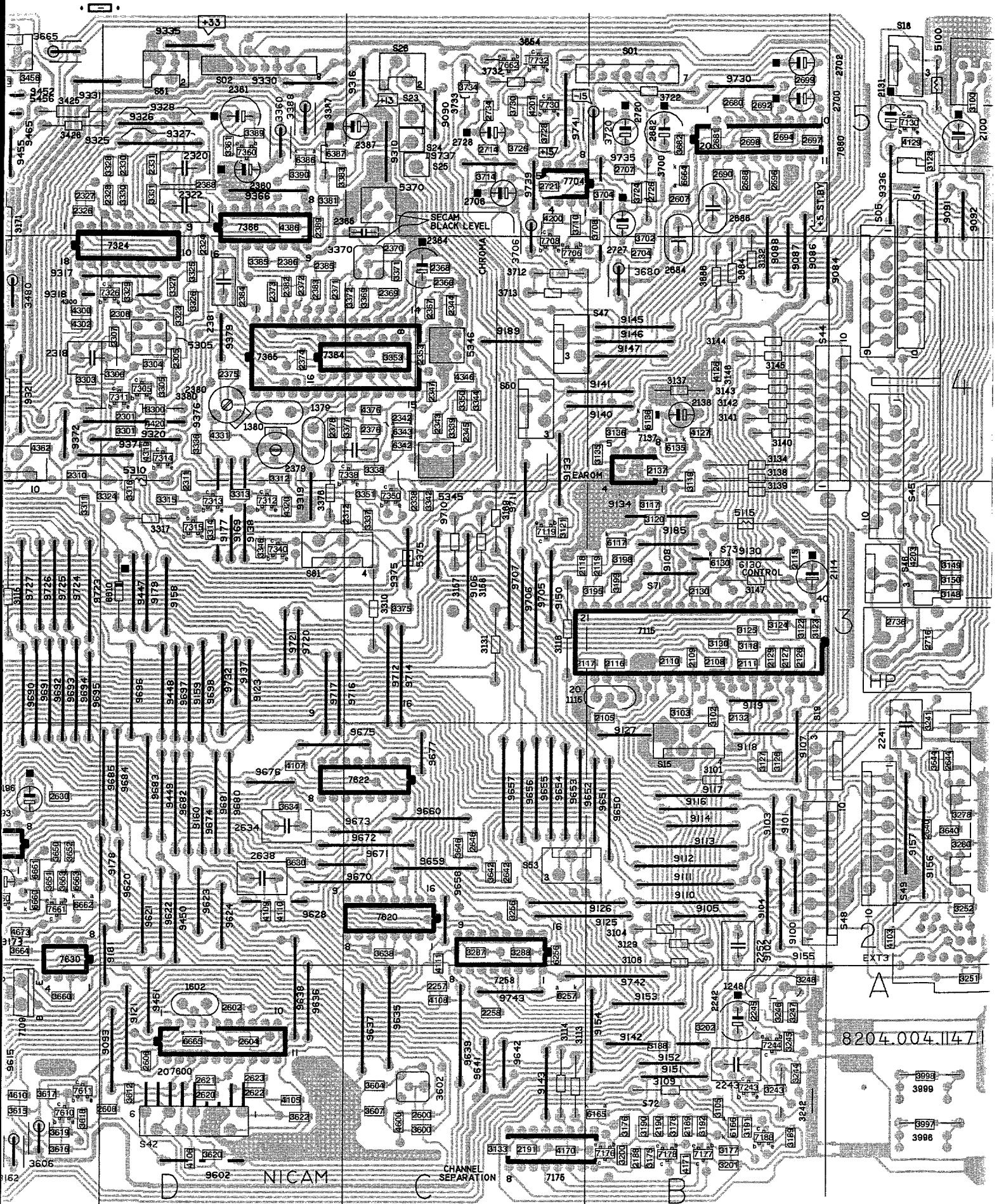




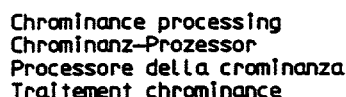


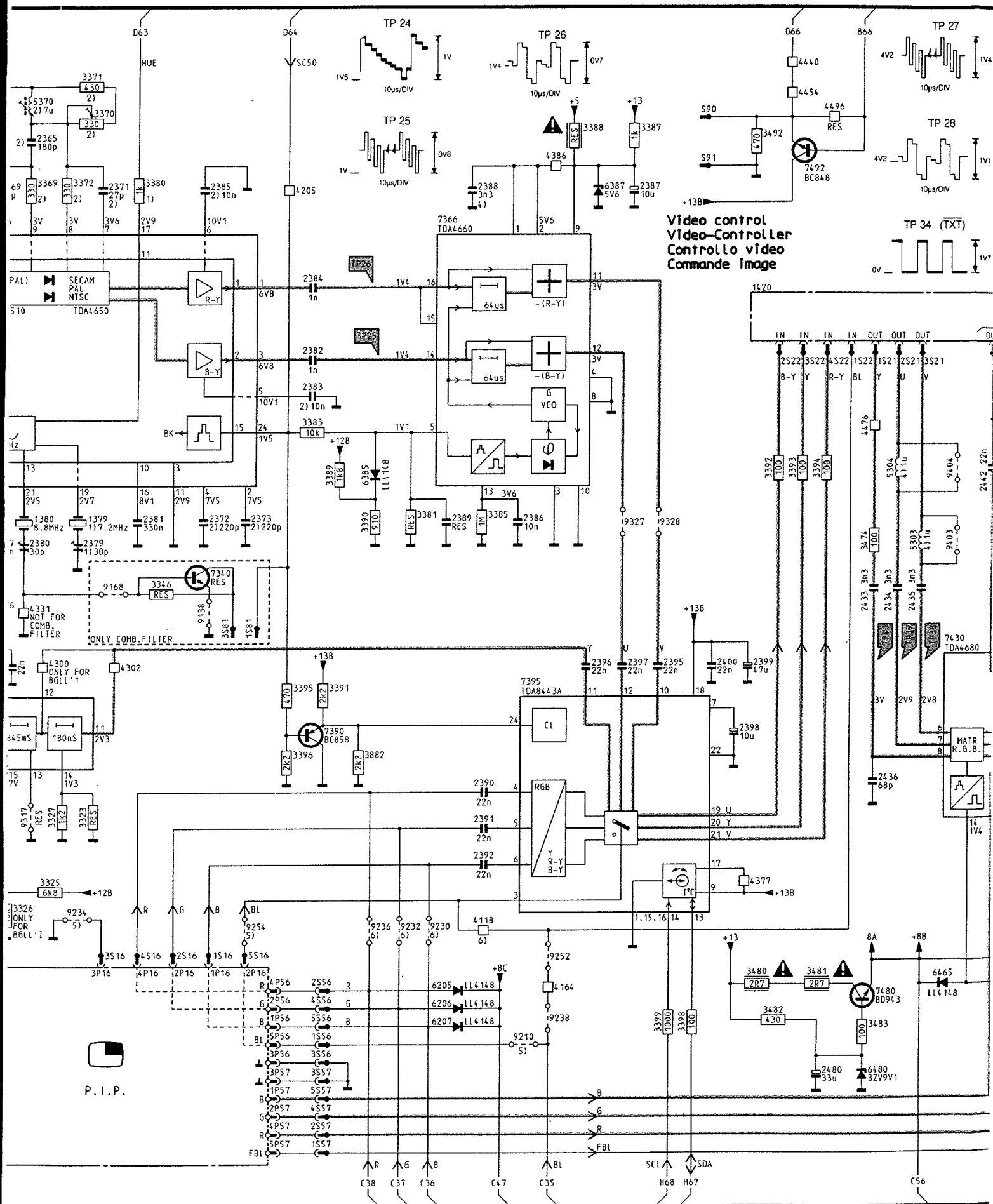
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EXT3 A3	2682 B5	3688 B4	9143 C1	9265 E3	9605 E1
S01 B5	2684 B4	3700 B5	9145 B4	9266 F3	9606 E1
S02 D5	2686 B5	3706 C4	9146 B4	9267 E2	9616 E1
S03 H5	2700 B5	3712 C4	9147 B4	9268 F3	9620 D2
S05 A4	2702 B5	3713 C4	9148 E2	9269 F3	9621 D2
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S16 G4	2728 C5	3733 C5	9153 B1	9273 F3	9628 D2
S17 E4	3101 B2	3996 A1	9154 B1	9274 F3	9635 C1
S18 A5	3104 B2	3999 A1	9155 A1	9277 G2	9636 D1
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S27 F4	3132 B4	5345 C4	9165 G2	9317 D4	9653 C2
S42 D1	3134 B4	5346 C4	9166 G2	9318 D4	9654 C2
S43 F1	3137 B4	5370 C5	9167 G1	9319 D3	9655 C2
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S46 A3	3140 B4	5455 E5	9170 G2	9325 D5	9658 C2
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S49 A2	3143 B4	6610 D3	9173 E2	9328 D5	9670 C2
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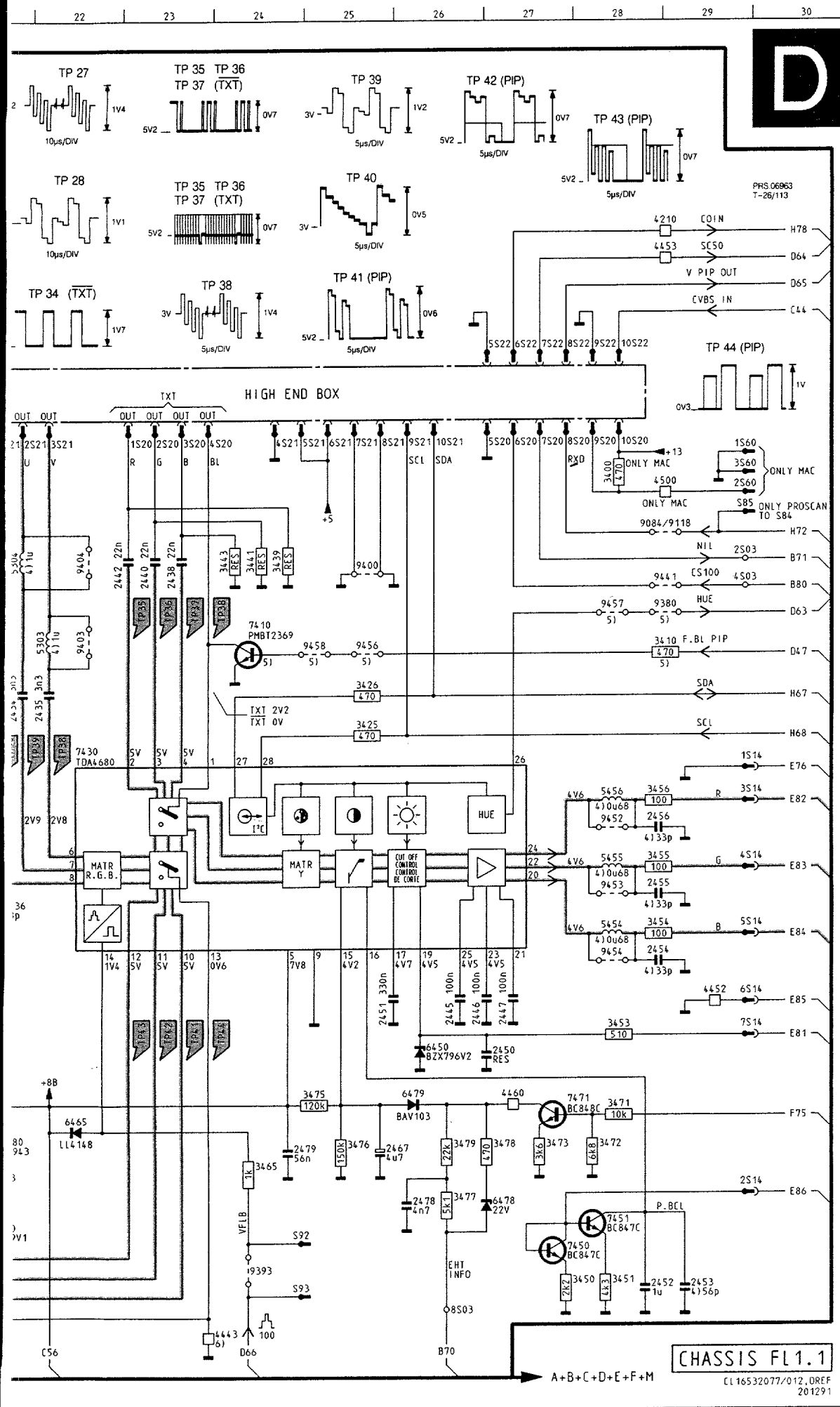




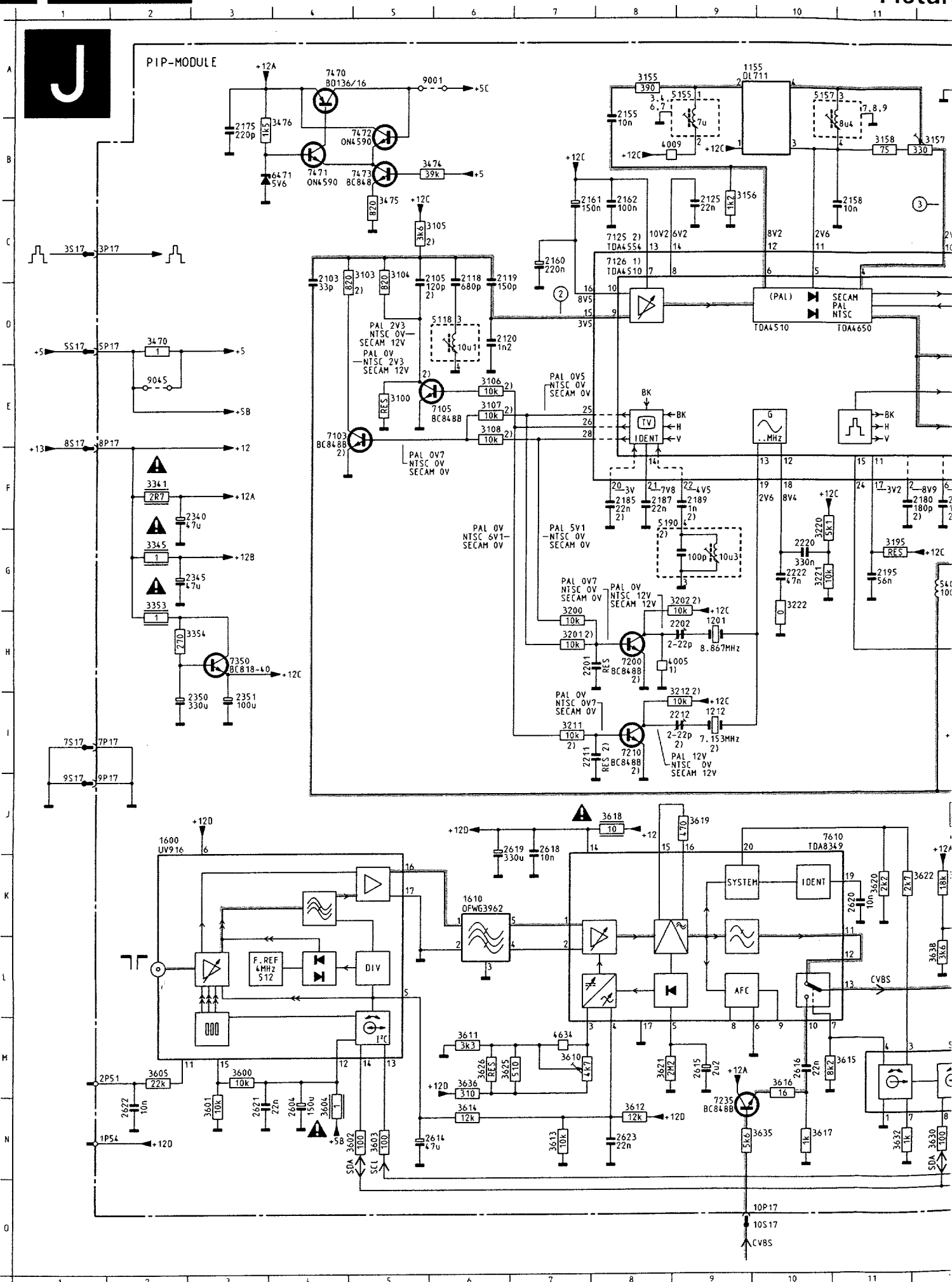
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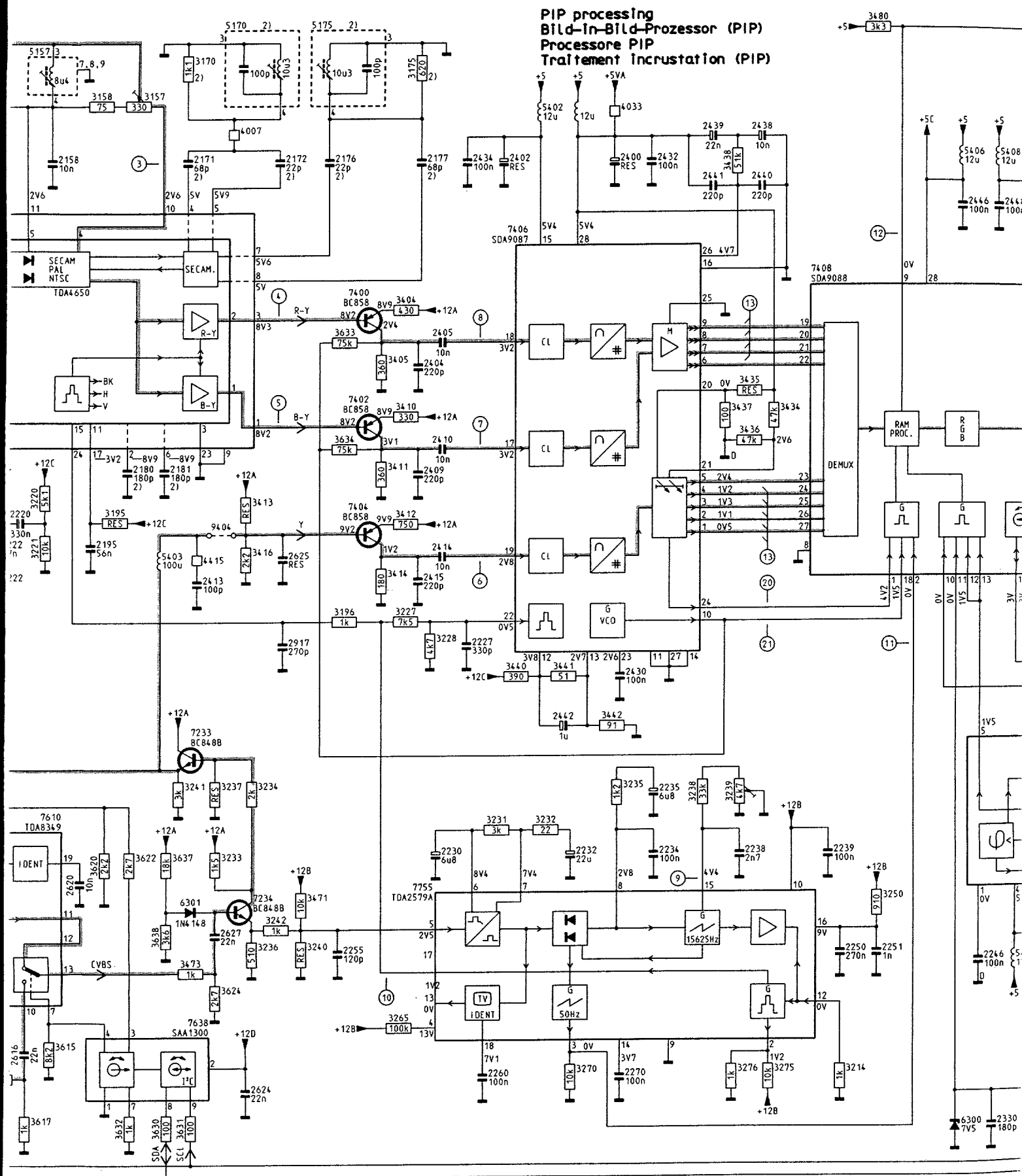


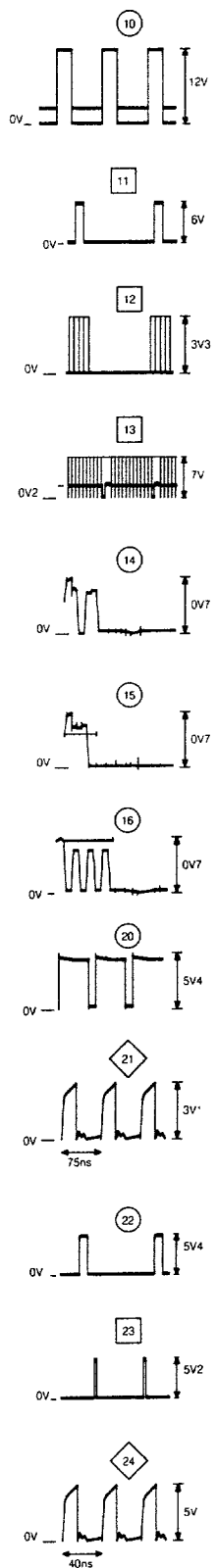




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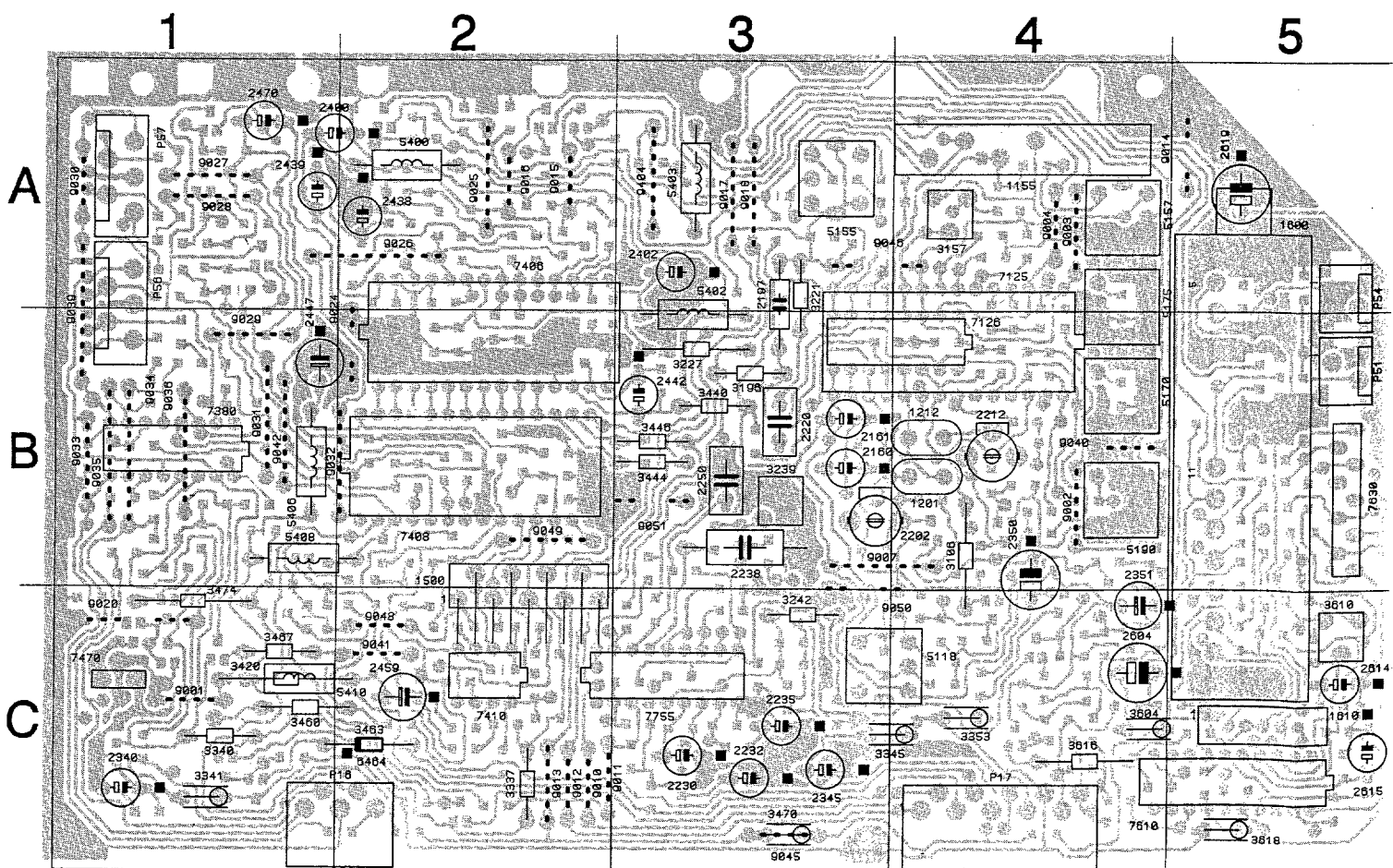
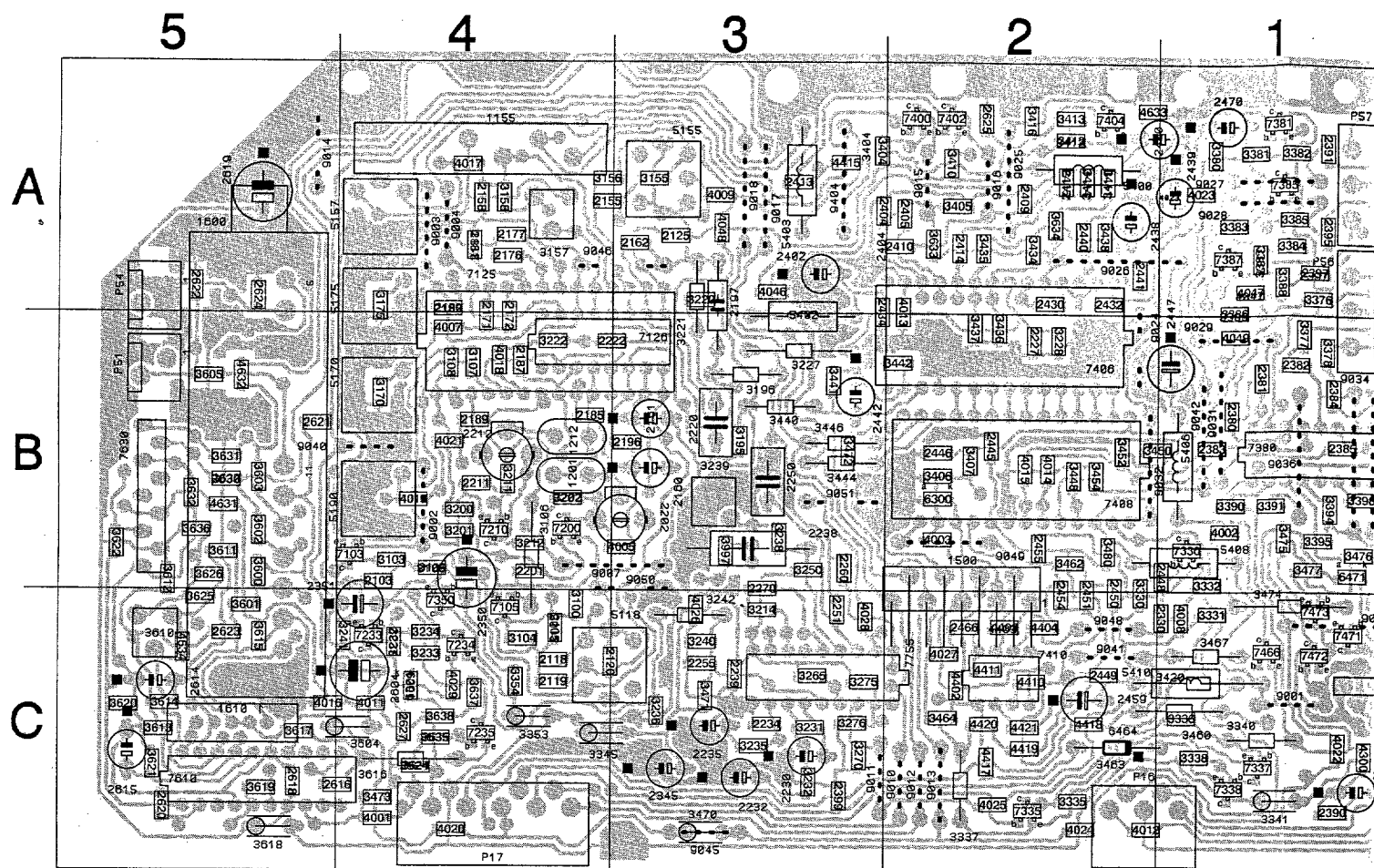
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2) PAL, SECAM, NTSC

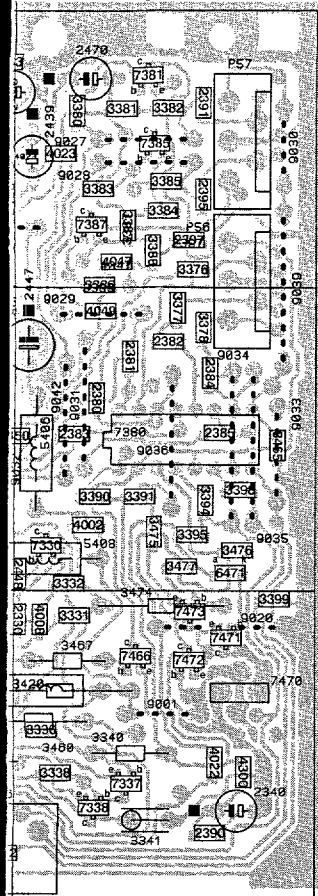
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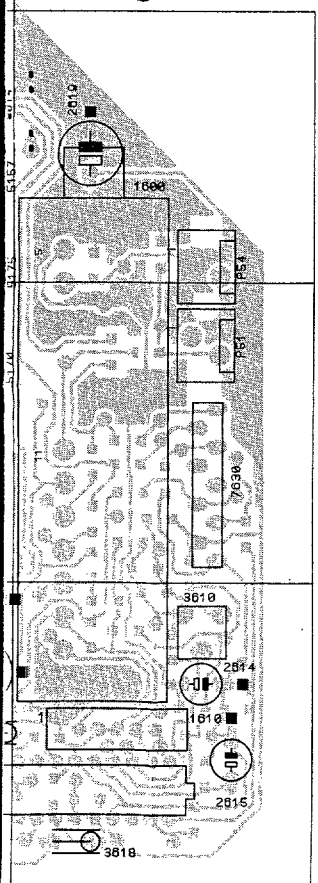
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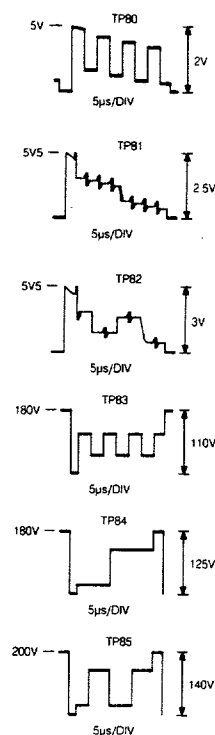
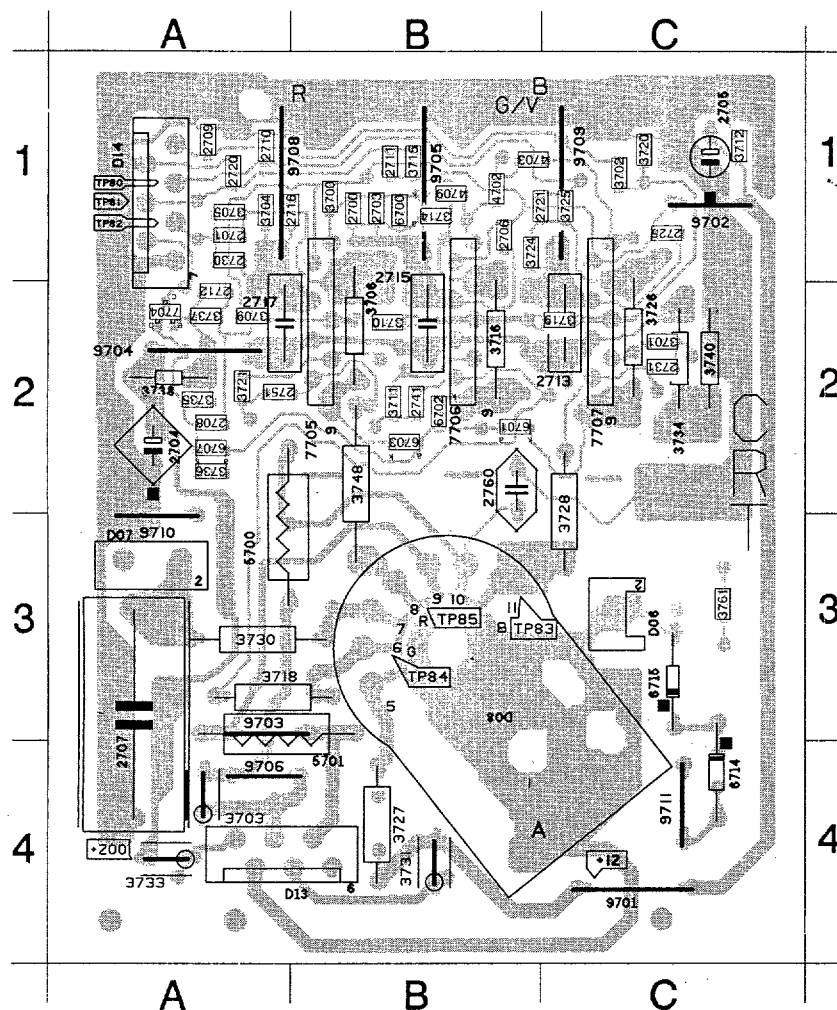
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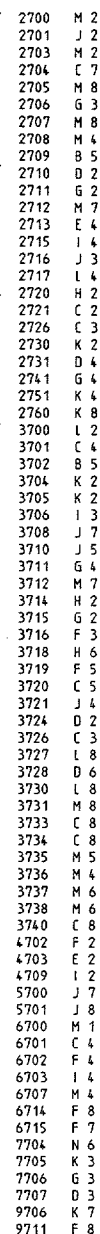
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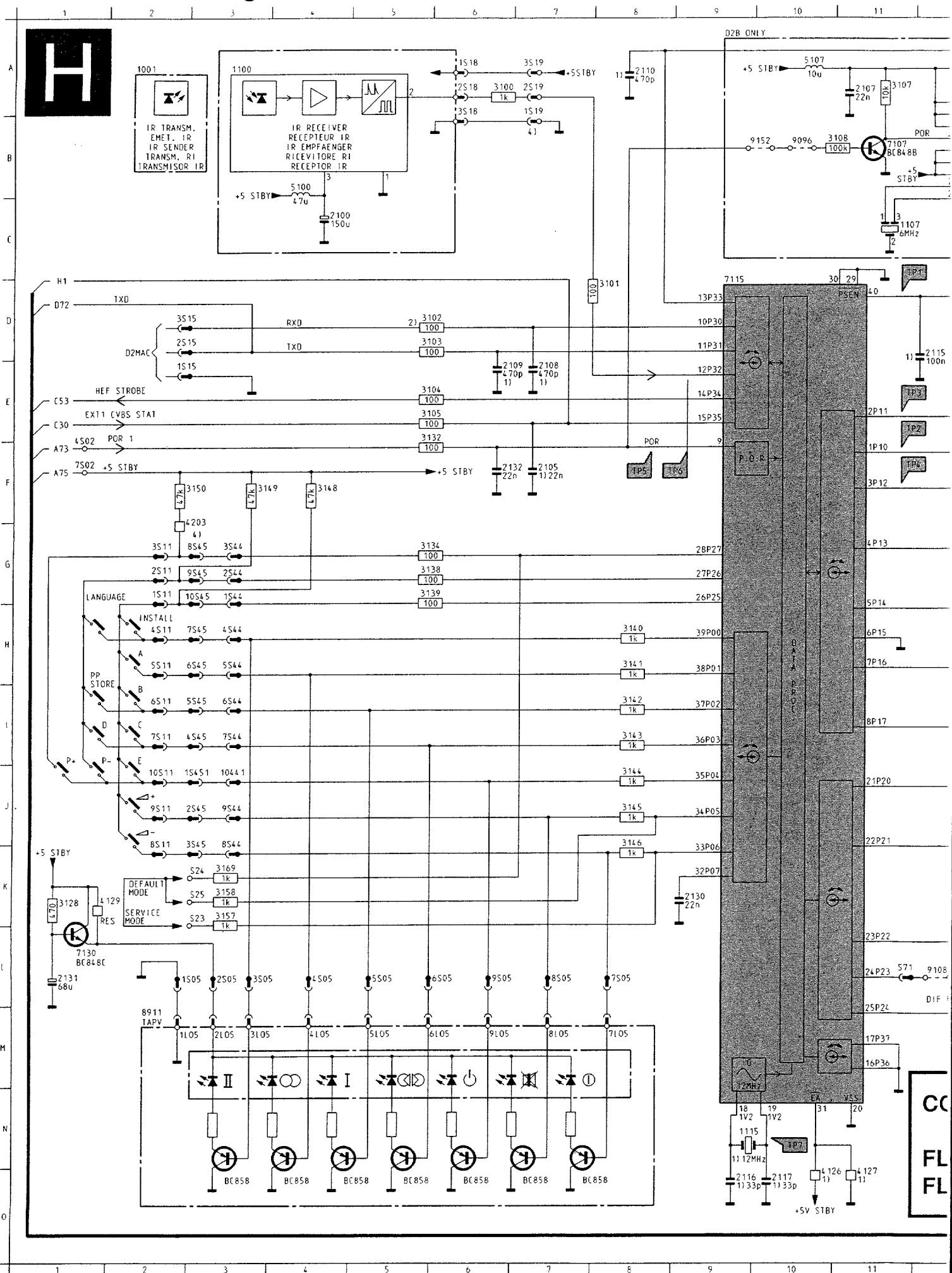
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2180 A4	2622 A5	3404 A3	4009 A3	7408 B2
2181 A4	2623 C5	3405 A2	4011 C4	7410 C2
2185 B4	2624 A5	3406 B2	4012 C2	7466 C1
2187 B4	2625 A2	3407 B2	4013 A3	7470 C1
2189 B4	2627 C4	3410 A2	4014 B2	7471 C1
2196 B4	3100 B4	3411 A2	4015 B2	7472 C1
2197 A3	3103 B4	3412 A2	4016 C5	7473 C1
2201 B4	3104 C4	3413 A2	4017 A4	7610 C5
2202 B4	3105 B4	3414 A2	4018 B4	7630 B5
2211 B4	3106 B4	3416 A2	4019 B4	7755 C3
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
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2251 C3	3201 B4	3448 B2	4047 A1	9016 A2
2255 C3	3202 B4	3450 B2	4048 A3	9017 A3
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2270 B3	3212 B4	3454 B2	4300 C1	9020 C1
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2350 B4	3222 B4	3464 C2	4410 C2	9027 A1
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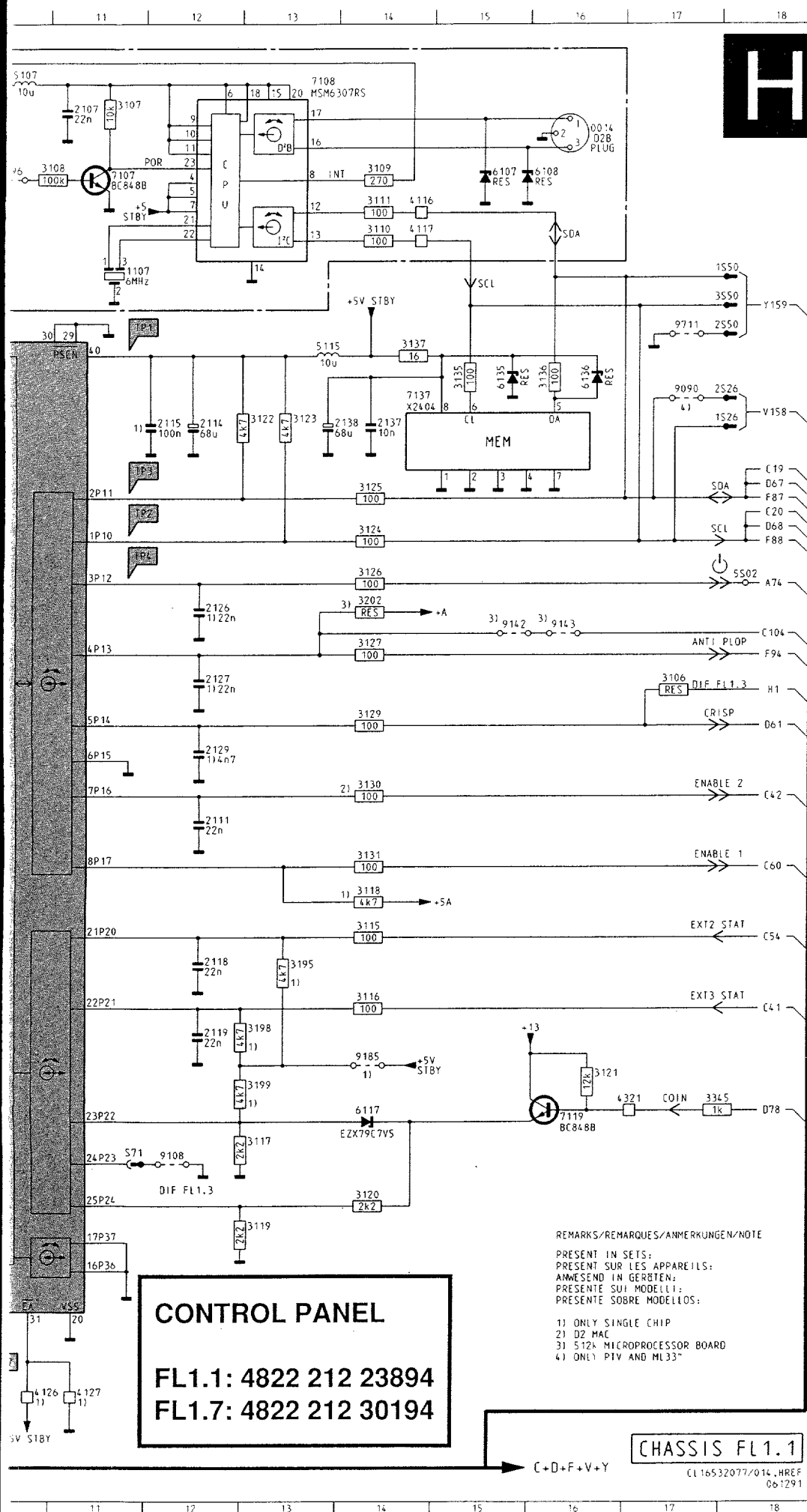


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2700 B1	3708 A2	5700 A3
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2712 A2	3721 A2	7705 B1
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2715 B2	3725 C1	7707 C1
2716 A1	3726 C2	9701 C4
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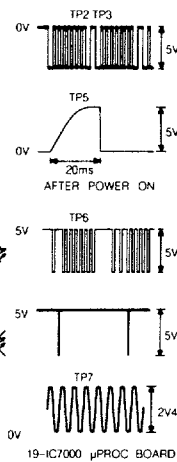


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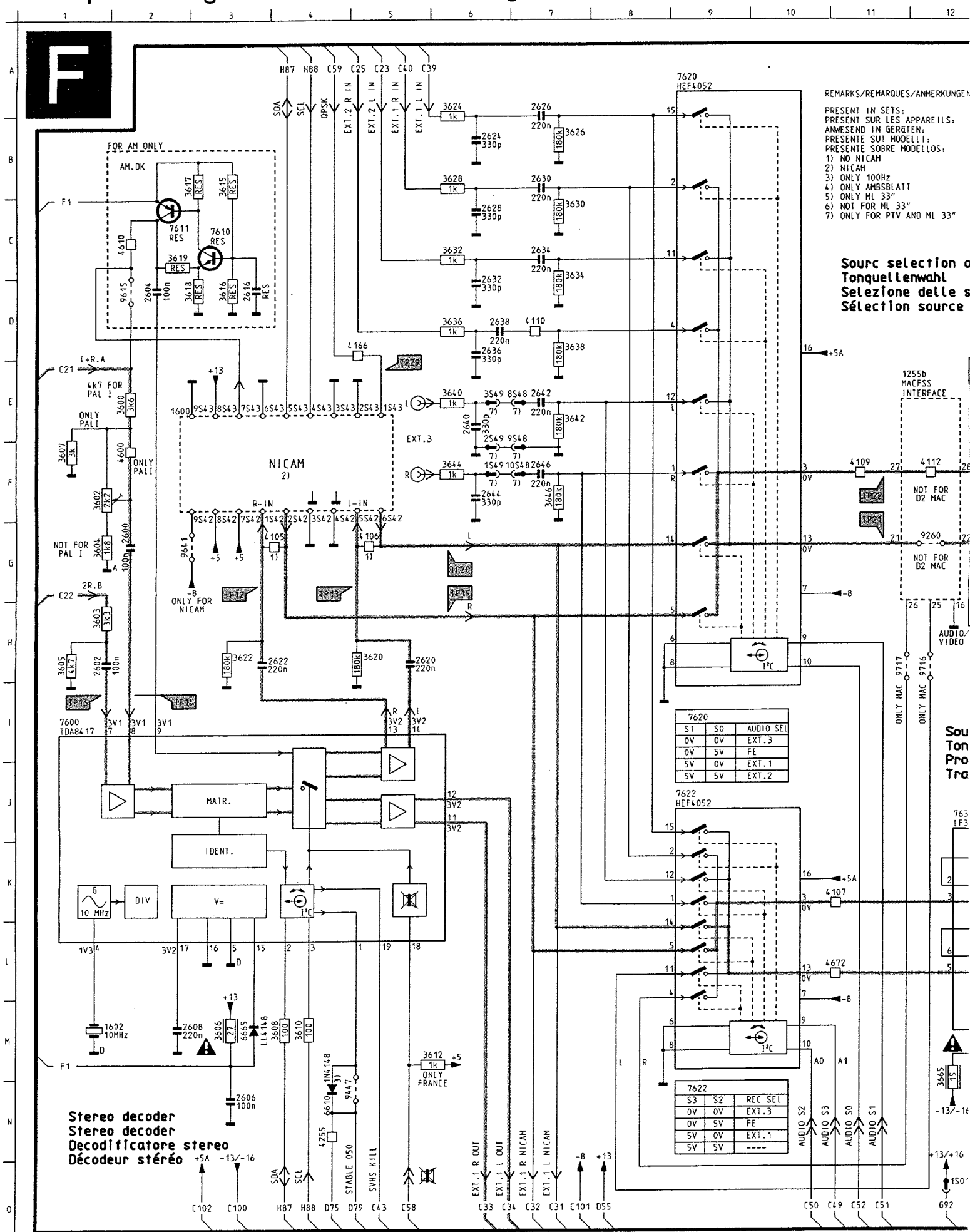




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1115 A 9
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2115 D12
2116 Q 9
2117 D10
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2127 G12
2129 H12
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2137 D14
2138 D13
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3101 D 8
3102 D 5
3103 D 5
3104 E 5
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3106 G17
3107 A11
3108 B11
3109 D67
3110 B14
3111 B14
3115 J14
3116 J14
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3118 I14
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3124 E14
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3130 H14
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3135 D15
3136 D16
3137 D14
3138 G 5
3139 G 5
3140 H 8
3141 H 8
3142 I 8
3143 I 8
3144 J 8
3145 J 8
3146 K 8
3148 F 4
3149 F 3
3150 F 2
3157 K 3
3158 K 3
3169 K 3
3195 J13
3198 K13
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3202 F14
3345 L17
4116 B14
4117 B14
4126 O10
4127 O11
4129 K 1
4203 G 2
4321 L17
5100 B 4
5107 A10
5115 D13
6107 B15
6108 B16
6117 L14
6135 D15
6136 D16
7107 B11
7108 A13
7119 L16
7130 L 1
7137 D14
8911 M 2
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9142 G15
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9185 K14
9711 C17



PRS 06056
T-28/113

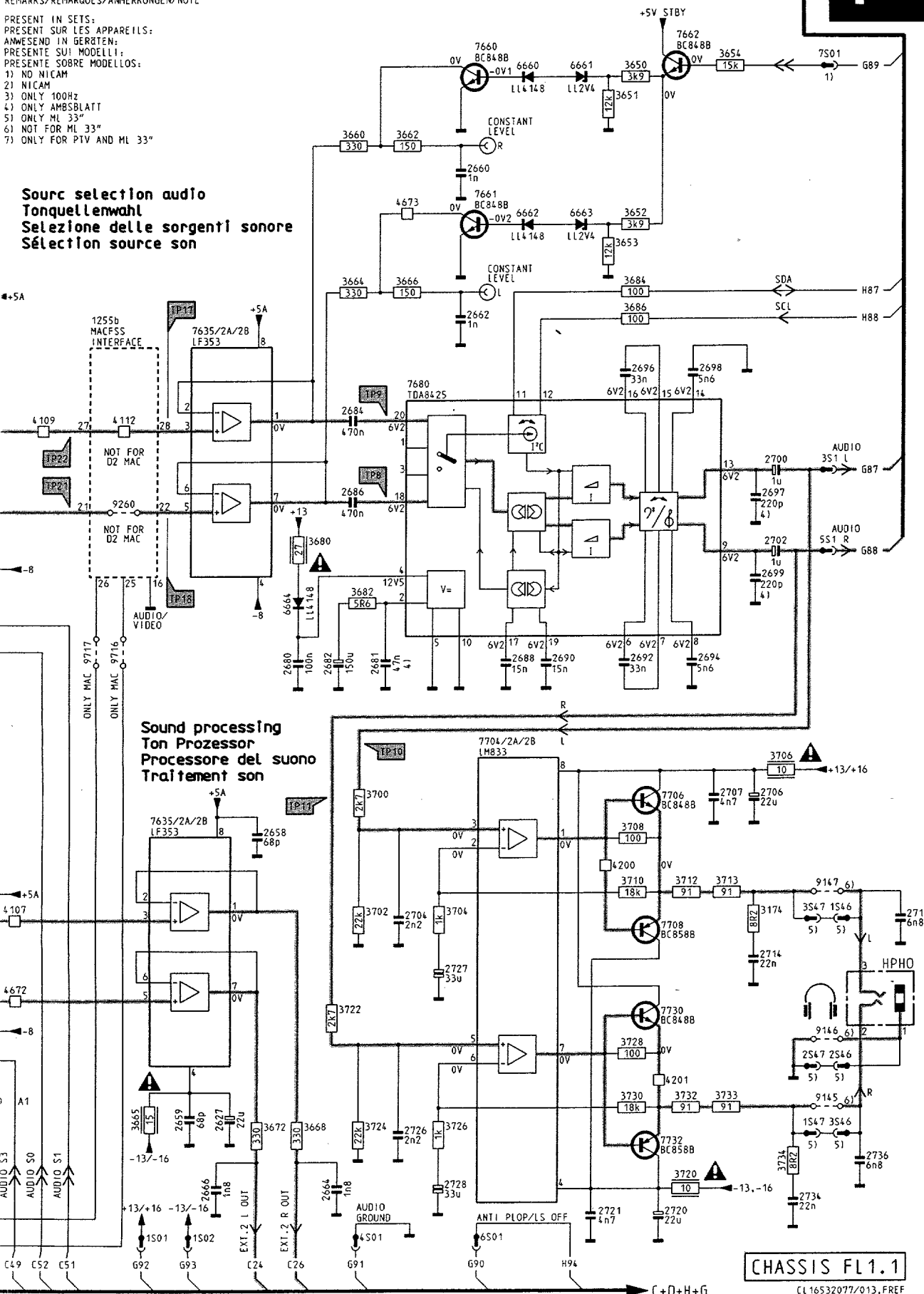


Traitement audio

REMARKS/REMARKS/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESENDE IN GERÄTEN:
PRESENTI SUI MODELLI:
PRESENTI SOTTO I MODELLI:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

Source selection audio
Tonquellenwahl
Selezione delle sorgenti sonore
Sélection source son

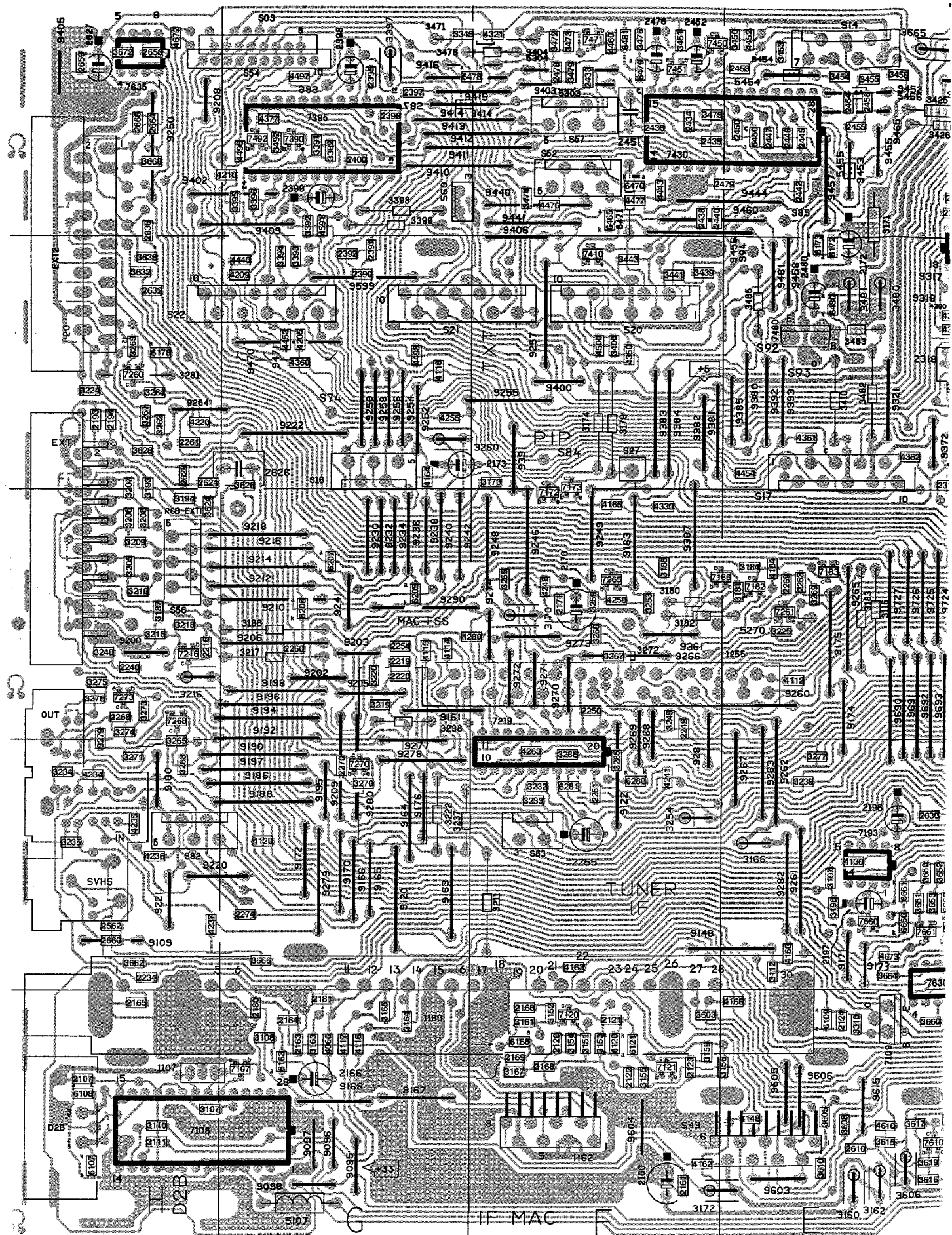


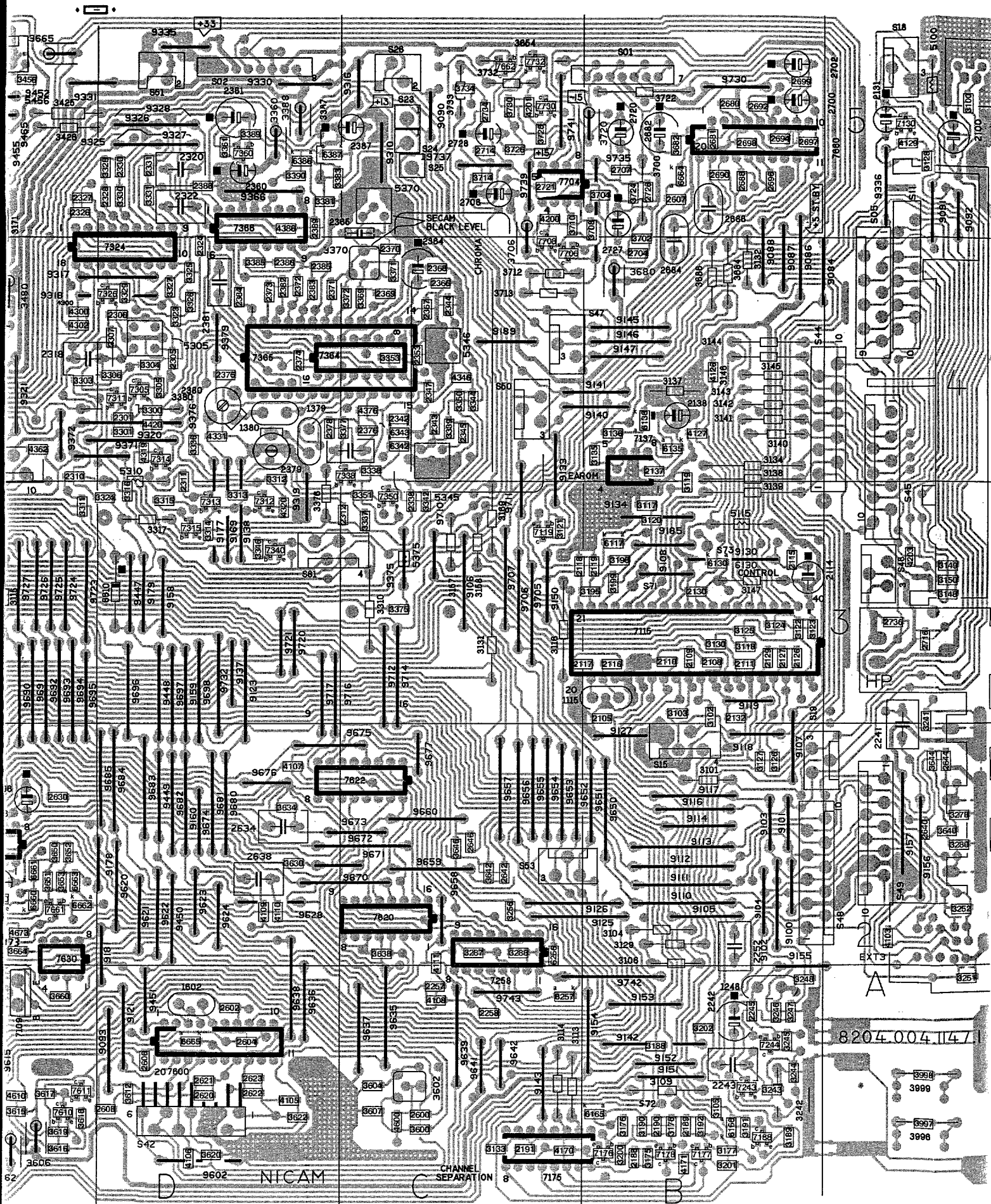
Sound processing
Ton Prozessor
Processore del suono
Traitement son

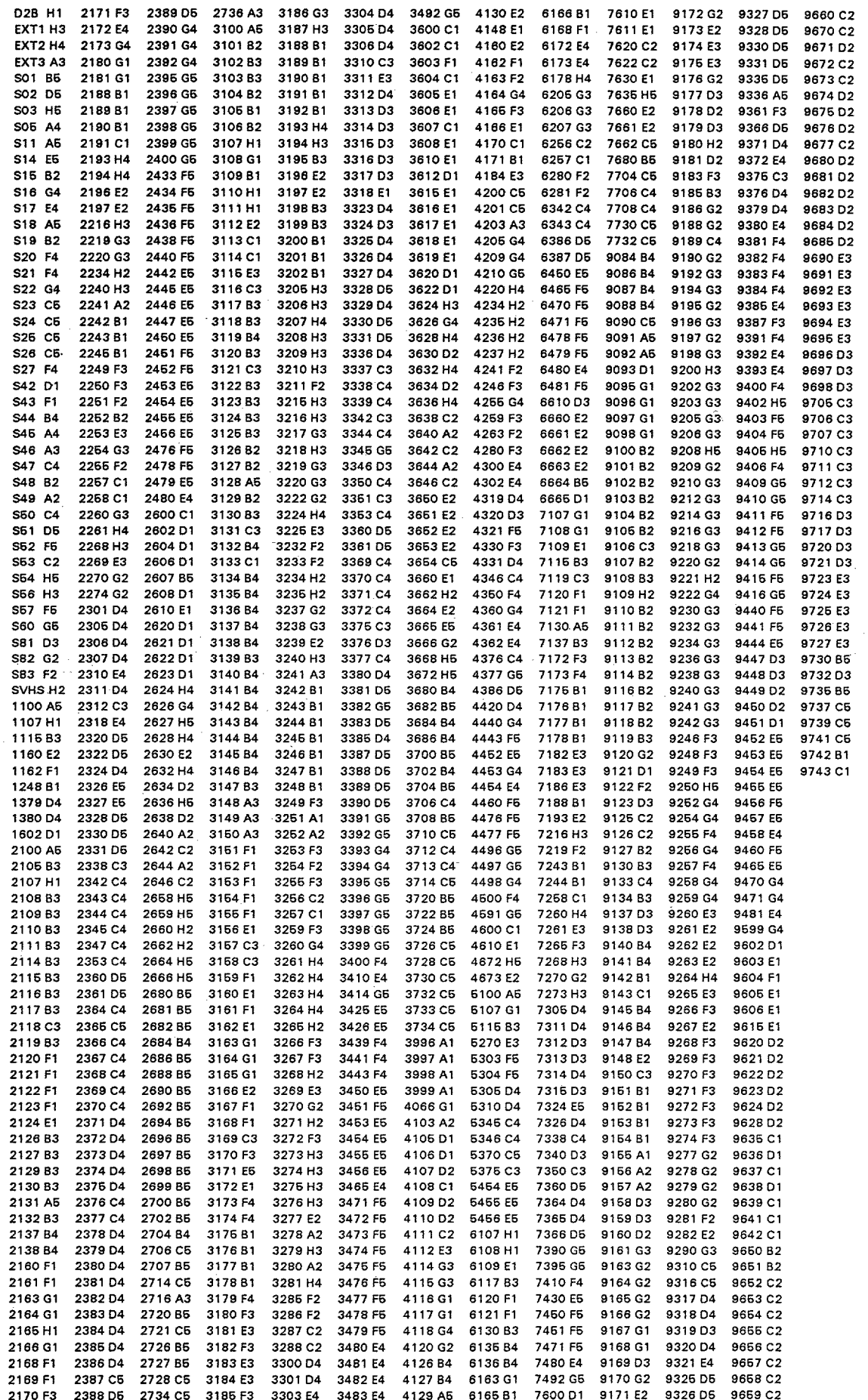
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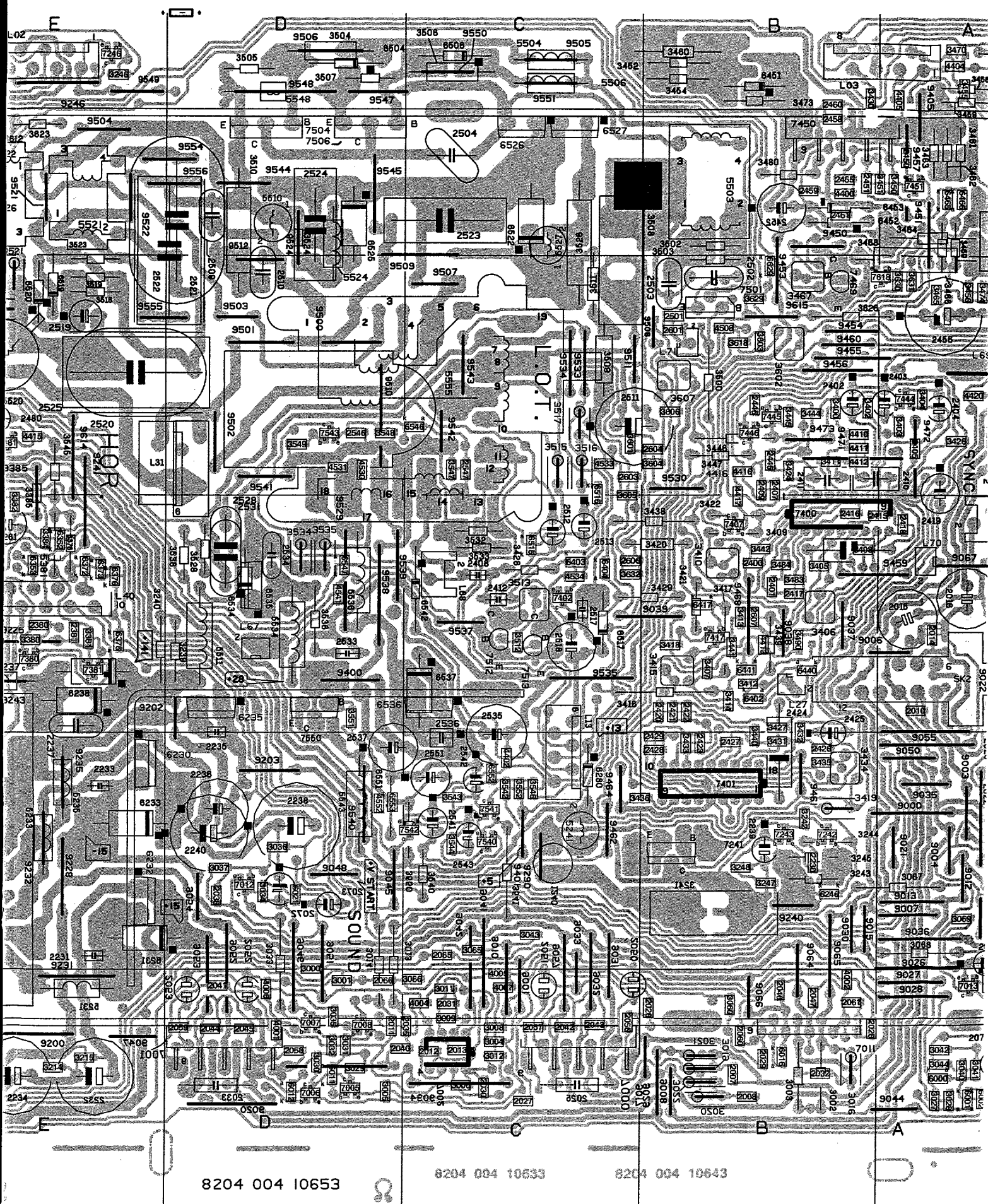
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2616	D 3	4110	D 7
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2622	H 3	4166	D 5
2624	B 6	4200	K17
2626	A 7	4201	M18
2627	M13	4255	N 4
2628	C 6	4600	F 2
2630	B 7	4610	C 2
2632	D 6	4672	L11
2634	C 7	4673	C15
2636	D 6	6610	N 4
2638	D 6	6660	B16
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2644	F 6	6663	D17
2646	F 7	6664	H14
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2682	H14	7660	B16
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2688	H16	7680	E15
2690	H16	7704	I16
2692	H17	7706	J18
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2696	E17	7730	L18
2697	G19	7732	N18
2698	E18	9145	M20
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2700	F19	9147	K20
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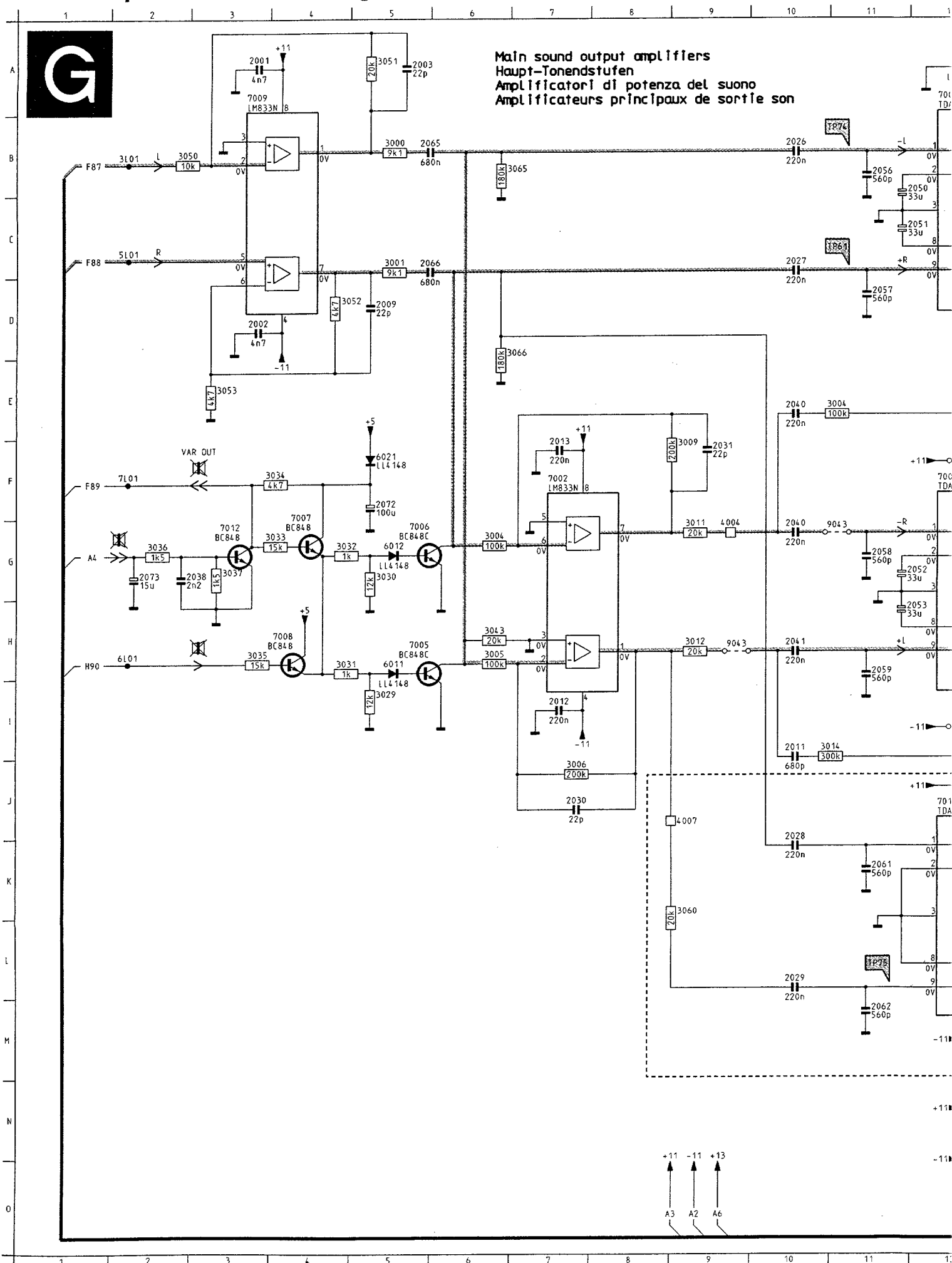




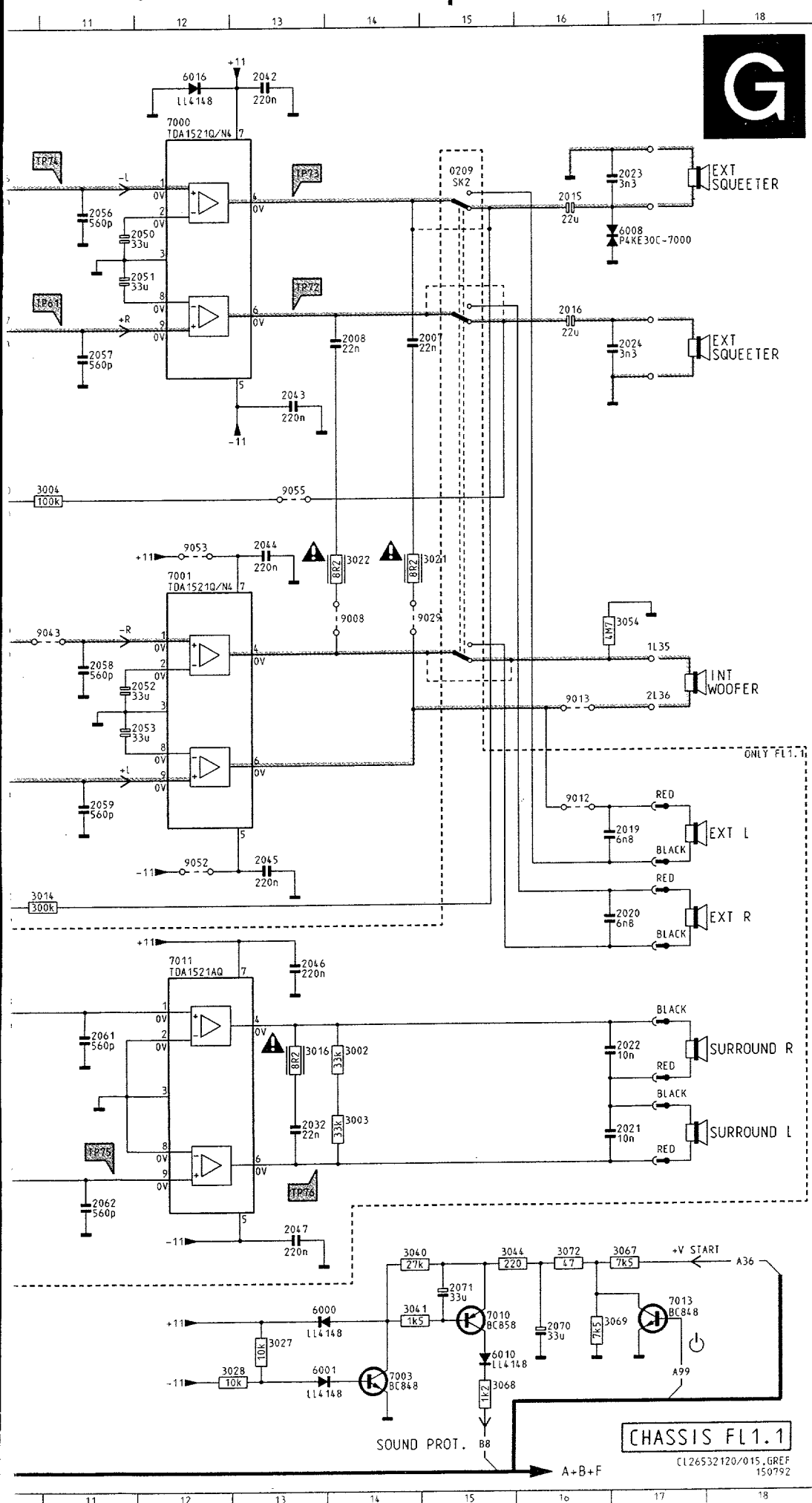
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039 H5	2219 F5	2533 D3	3266 F2	3451 A1	3626 B2	6308 H5	7407 B3	9224 F5
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L01 F1	2231 E4	2535 C4	3268 F2	3454 B1	3628 A1	6315 H5	7444 A2	9228 E4
L02 E1	2232 E5	2536 C4	3270 F2	3455 A1	3629 B2	6318 H5	7445 B2	9229 E5
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L13 C4	2234 E5	2540 F1	3272 F2	3457 A2	3631 A2	6321 F3	7450 A1	9231 E5
L27 B3	2235 D3	2541 C4	3273 G2	3458 A1	3632 C3	6331 H4	7451 A1	9232 E4
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L30 A1	2237 E3	2543 C4	3275 G2	3460 B1	4001 D5	6350 H4	7480 F2	9234 F1
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L38 A2	2258 F3	2604 B2	3308 H5	3467 B2	4200 E3	6370 H4	7530 F1	9242 G2
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2046 B5	2456 A2	3201 H3	3417 B3	3548 D2	6012 D5	7216 G5	9054 D4	9547 D1
2047 B5	2457 A2	3202 F5	3418 B3	3549 D2	6016 B5	7241 B4	9055 A4	9548 D1
2050 C5	2458 B1	3204 H1	3419 B4	3550 C4	6021 D4	7242 B4	9056 A3	9549 E1
2051 C5	2459 B1	3205 G1	3420 B3	3551 D3	6201 F3	7243 B4	9057 C5	9550 C1
2052 D5	2460 B1	3209 G1	3421 B3	3552 C4	6210 G3	7246 E1	9058 G2	9551 C1
2053 D5	2461 B1	3210 F3	3422 B3	3601 C2	6211 F3	7250 F3	9059 G1	9552 F1
2056 C5	2480 E2	3211 G3	3424 B2	3602 B2	6212 F4	7251 F3	9060 G1	9554 D1
2057 C5	2501 B2	3212 F3	3425 A2	3603 B2	6213 F4	7268 F2	9064 B5	9555 E2
2058 D5	2502 B2	3213 F3	3427 B3	3604 B2	6216 F5	7270 F2	9065 B4	9556 D1
2059 D5	2503 B2	3214 E5	3428 C3	3605 C3	6220 G4	7272 G1	9066 B5	9557 E2
2060 B5	2504 C1	3215 E5	3429 B3	3606 B2	6221 G5	7273 G2	9067 A3	9601 E1
2061 B5	2509 D1	3216 F4	3430 B1	3607 B2	6230 E4	7305 H5	9068 G3	9614 E2
2065 C4	2510 D2	3220 G4	3431 B4	3608 F1	6231 E4	7311 H5	9200 E5	9615 B2
2066 D5	2511 C2	3239 D3	3432 B4	3609 F1	6232 E4	7312 H5	9201 F5	
2070 A4	2512 C3	3240 E3	3433 B4	3610 F1	6233 E4	7318 H5	9202 D3	
2071 A5	2513 C3	3241 B4	3434 B4	3611 F1	6235 D3	7320 H4	9203 D4	
2072 D4	2517 C3	3242 B4	3435 B4	3612 E1	6237 E3	7321 F3	9204 G2	
2073 D4	2518 C3	3243 B4	3436 B4	3614 F1	6238 E3	7360 H4	9205 H1	
2074 A5	2519 E2	3244 B4	3437 A1	3615 F1	6246 B4	7369 H4	9206 H1	
2200 H3	2520 E2	3245 B4	3438 B3	3616 F1	6251 F3	7370 H4	9207 H2	
2202 G2	2521 D1	3246 E1	3439 B3	3617 F1	6260 E3	7371 H4	9208 H2	
2203 H2	2522 D1	3247 B4	3440 B4	3618 B2	6262 E3	7380 E3	9216 G2	
2205 G2	2523 C1	3248 B4	3441 B3	3619 F1	6266 F2	7381 E3	9217 G2	
2210 F4	2524 D1	3249 F3	3442 B3	3620 F1	6272 G2	7384 E3	9218 H1	
2211 F4	2525 E2	3250 F3	3444 B2	3621 E1	6280 C4	7385 E3	9219 E3	
2214 G4	2528 D3	3251 F3	3445 E2	3622 E1	6302 H5	7400 B3	9220 G4	
2215 G4	2529 F1	3252 F3	3446 B2	3623 E1	6303 H5	7401 B4	9221 G3	



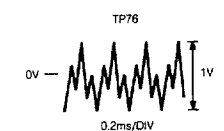
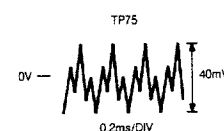
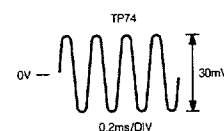
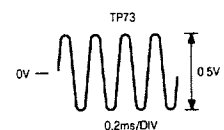
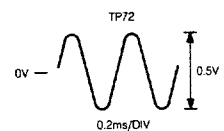
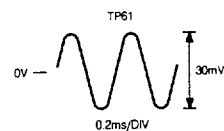
Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son



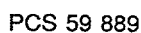
6.43 CHASSIS FL1.1 Amplificateur audio

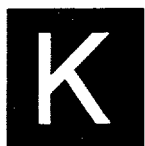


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2001	A 3	9012	H16
2002	D 3	9013	G16
2003	A 5	9029	F14
2007	014	9043	G11
2008	014	9043	H 9
2009	D 5	9052	I 12
2011	I 10	9053	F12
2012	I 7	9055	E13
2013	F 7		
2015	B16		
2016	C16		
2019	I17		
2020	J17		
2021	I17		
2022	K17		
2023	B17		OV —
2024	017		
2026	B10		
2027	C10		
2028	K10		
2029	L10		
2030	J 7		
2031	F 9		
2032	L13		OV —
2038	G 2		
2040	E10		
2040	G10		
2041	H10		
2042	A13		
2043	D13		
2044	F13		
2045	I13		OV —
2046	J13		
2047	M13		
2050	B11		
2051	C11		
2052	G11		
2053	H11		
2056	B11		
2057	D11		
2058	G11		OV —
2059	H11		
2061	K11		
2062	M11		
2065	B 5		
2066	C 5		
2070	N16		
2071	N15		
2072	F 5		
2073	G 2		OV —
3000	B 5		
3001	C 5		
3002	K14		
3003	L14		
3004	G 6		
3004	E11		
3005	H 6		
3006	J 7		OV —
3009	F 9		
3011	G 9		
3012	H 9		
3014	I11		
3016	K13		
3021	F15		
3022	F14		
3027	N13		
3028	N13		
3029	I 5		
3030	G 5		
3031	H 4		
3032	G 4		
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3035	H 3		
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3040	M14		
3041	N14		
3043	H 6		
3044	M15		
3050	B 2		
3051	A 5		
3052	D 4		
3053	E 3		
3054	F17		
3060	K 9		
3065	B 6		
3066	D 6		
3067	M17		
3068	O15		
3069	M16		
3072	M16		
4004	G 9		
4007	J 9		
6000	N13		
6001	N13		
6008	B17		
6010	N15		
6011	H 5		
6012	G 5		
6016	A12		
6021	F 5		
7000	A12		
7001	F12		
7002	F 7		
7003	014		
7005	H 5		
7006	G 5		
7007	G 4		
7008	H 4		
7009	A 3		
7010	N15		
7011	J12		
7012	G 3		
7013	N17		



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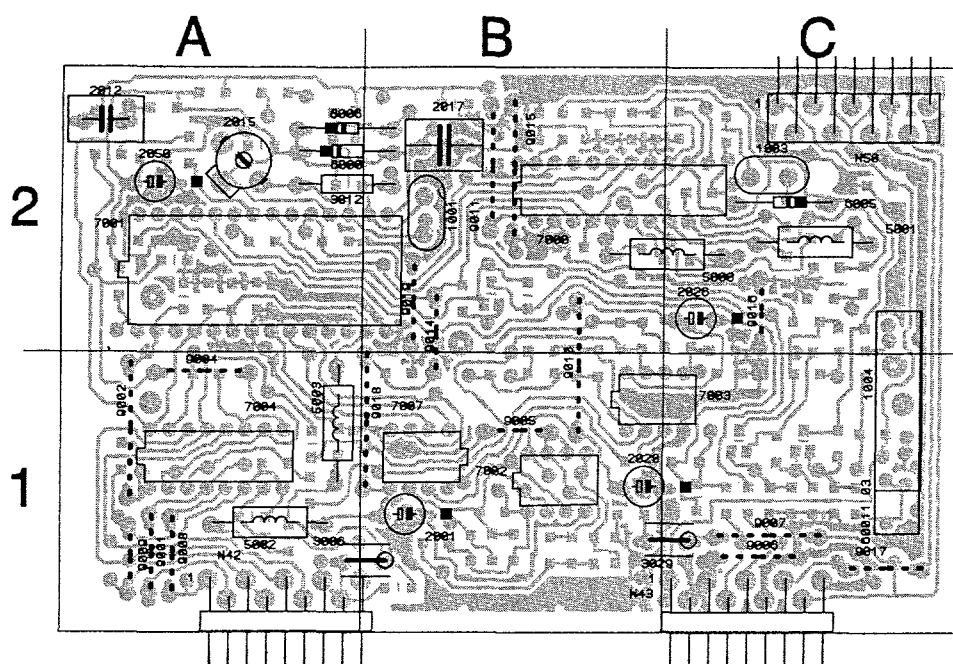




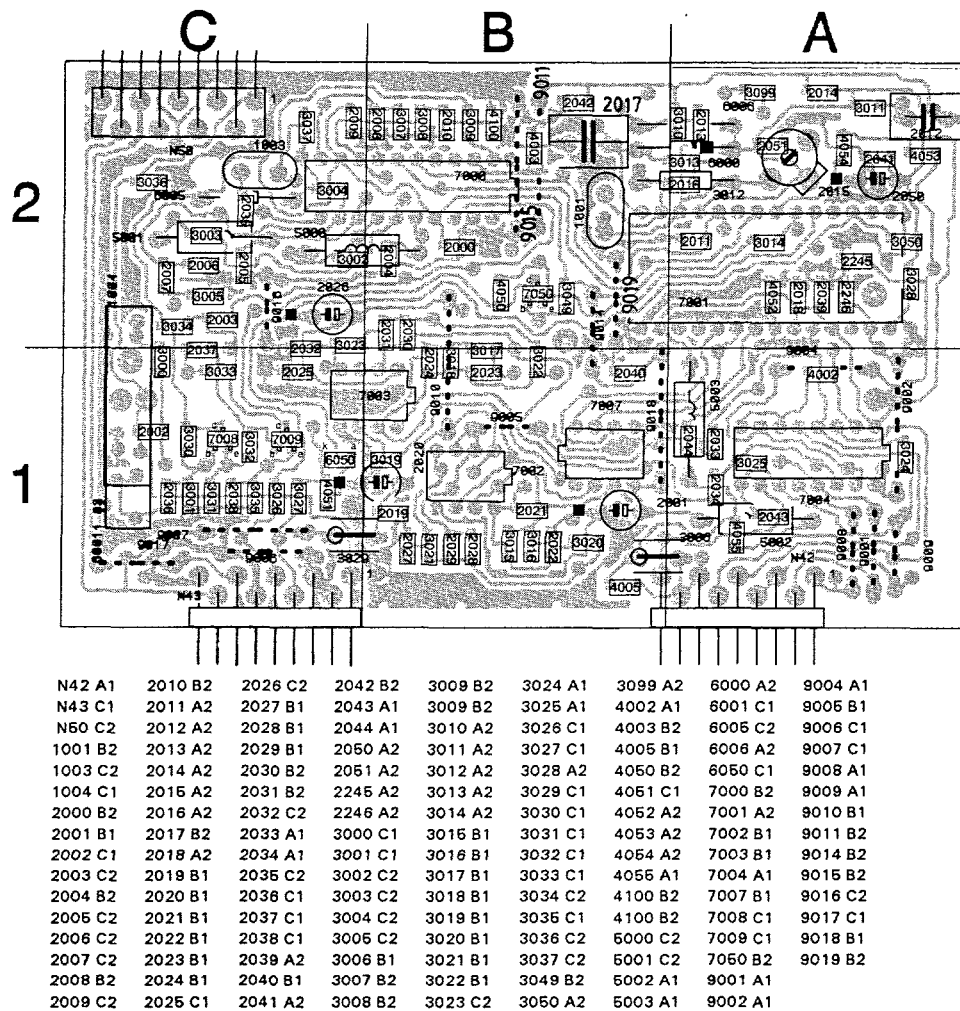
CHASSIS FL1

CL 16532084/011, KREF
121291

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	1002	D 3
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	1004	B 3
	2000	B 7
B	2002	C 2
	2003	C 6
	2004	B10
	2005	B 9
	2006	D11
C	2007	C11
	2008	G 6
	2009	B 7
	2010	G 7
	2011	F11
D	2012	G 9
	2013	F10
	2014	G 8
	2015	G10
	2016	G10
E	2017	G16
	2018	B16
	2019	O11
	2020	O10
	2021	M11
F	2022	L11
	2023	I11
	2024	I11
	2025	L11
	2026	L10
G	2027	M12
	2028	L12
	2029	L13
	2030	I13
	2031	I12
H	2032	J12
	2033	N14
	2034	K14
	2035	D12
	2036	C11
I	2037	C 5
	2038	D 5
	2039	J12
	2040	J 8
	2041	D12
J	2042	G 8
	2043	N16
	2050	I 3
	2051	B17
	2052	G15
K	2053	O17
	3000	C 4
	3001	D 4
	3002	B 8
	3003	B 8
L	3004	C11
	3005	O11
	3006	H 2
	3007	G 6
	3008	G 7
M	3009	E 6
	3010	F 9
	3011	G 9
	3012	G11
	3013	G16
N	3014	F15
	3015	M11
	3016	L10
	3017	L10
	3018	J11
O	3019	O10
	3020	L12
	3021	L12
	3022	L12
	3023	L12
P	3024	N14
	3025	K14
	3026	A15
	3027	A14
	3028	C13
Q	3029	J 2
	3030	C 4
	3031	D 5
	3032	C 5
	3033	C 6
R	3034	C 6
	3035	D 6
	3036	D 1
	3037	C11
	3049	B15
S	3050	B13
	4005	H 2
	4050	B16
	4051	B14
	4100	E 6
T	5000	B 9
	5001	B 9
	5002	H 3
	5003	H 3
	6000	G16
U	6005	B11
	6006	G 9
	6050	B14
	7000	C 7
	7001	C13
V	7002	M13
	7003	J13
	7004	K15
	7007	K 7
	7008	D 5
W	7009	D 5
	7050	B15



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	3008 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	2028 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
20C3 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	8001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	8002 A1	

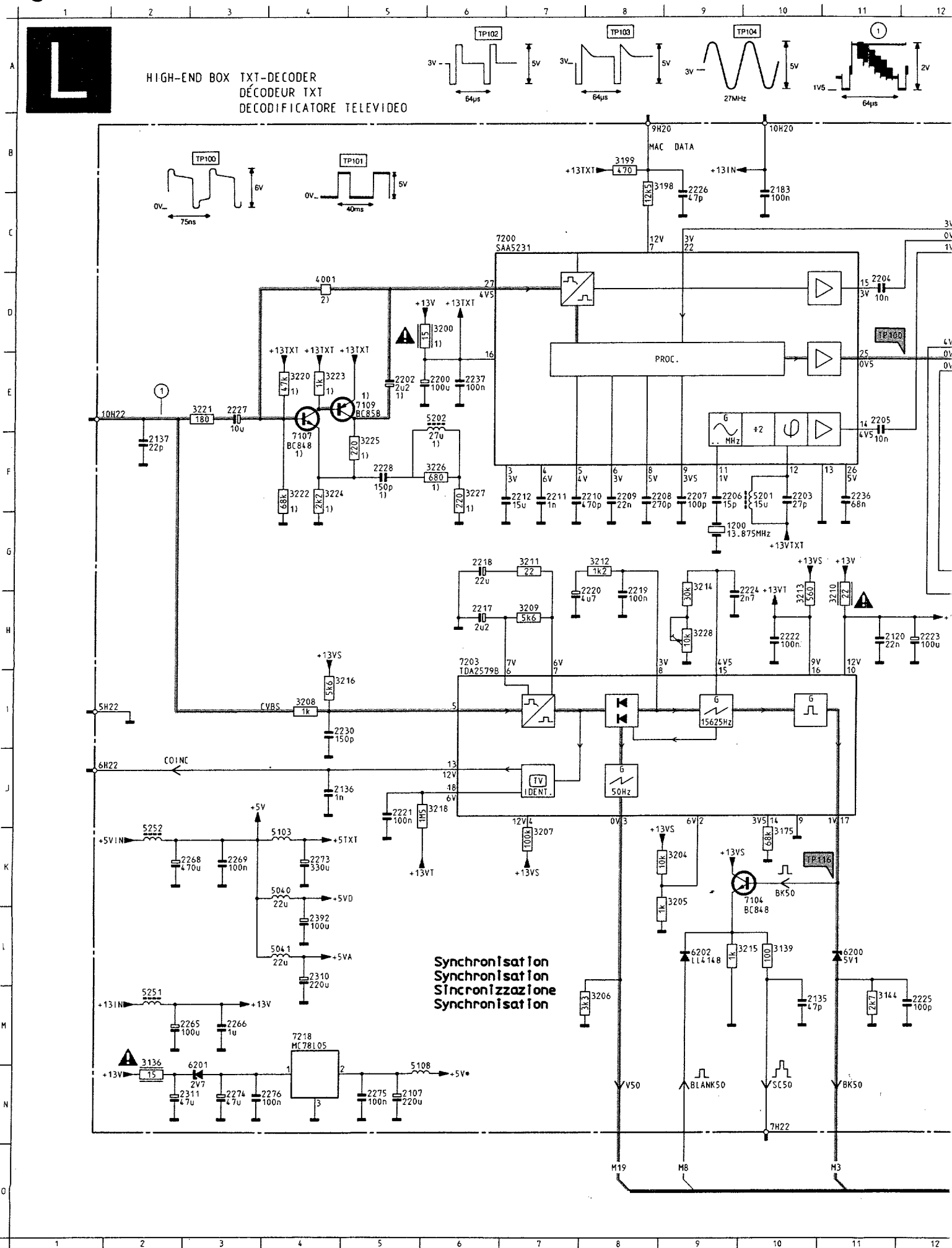


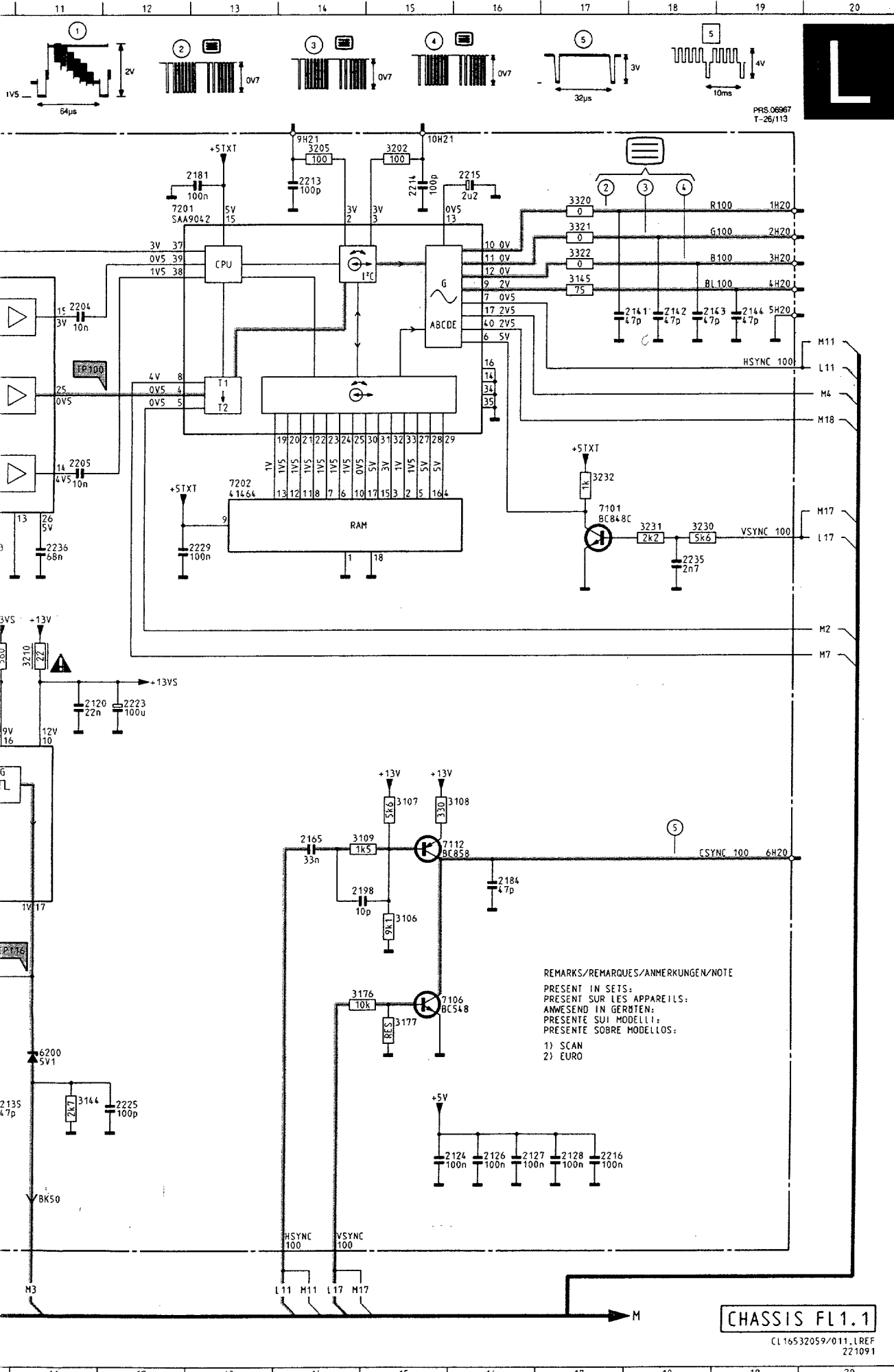
High-end box

CHASSIS FL1.1

6.48

6.49





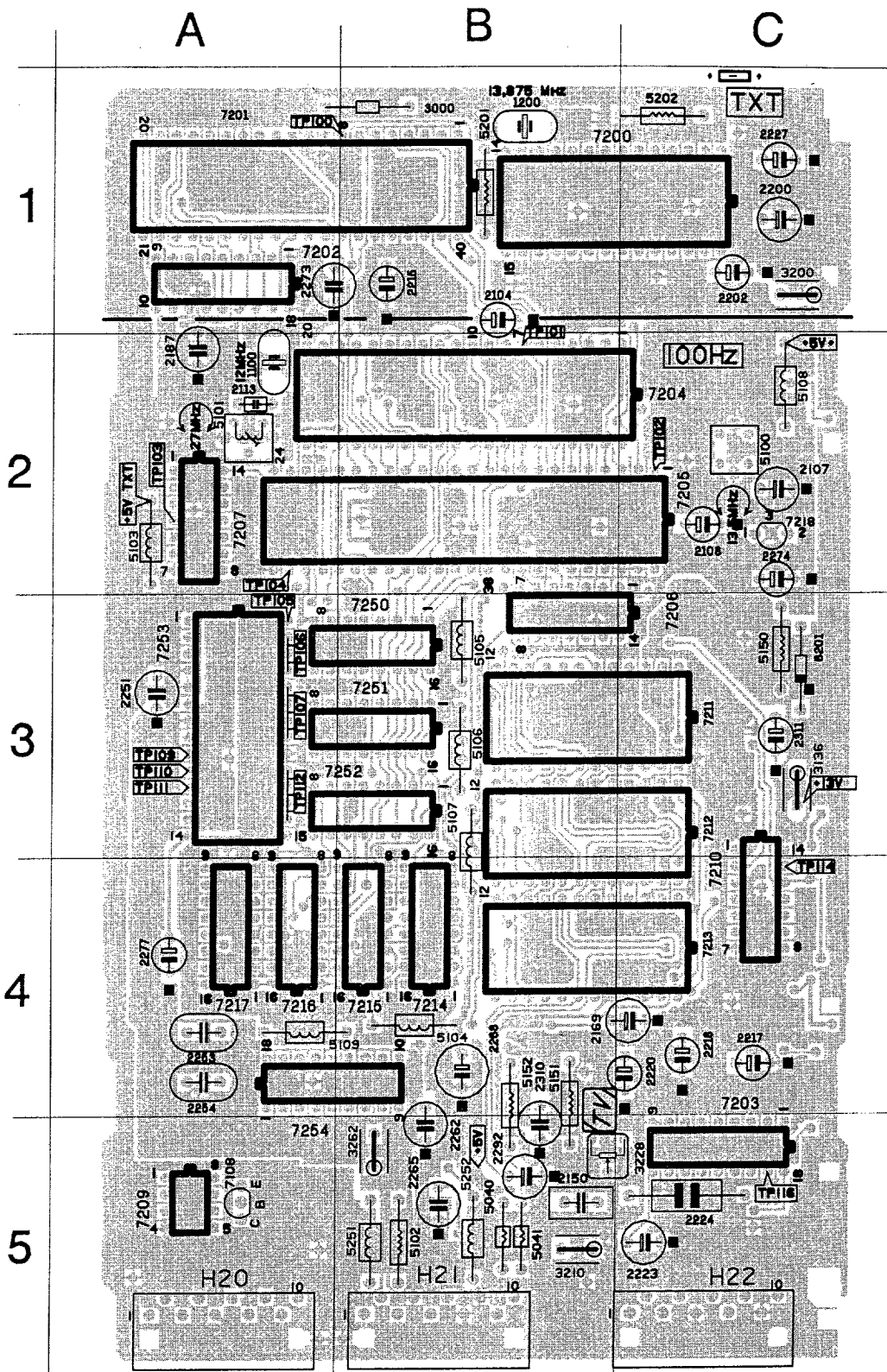
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2107	N 5	6201	N 3
2120	H11	6202	L 9
2124	M15	7101	F17
2126	M16	7104	K10
2127	M16	7106	L15
2128	M17	7107	F 4
2135	M10	7109	E 5
2136	J 4	7112	J15
2137	F 2	7200	C 6
2141	D17	7201	C12
2142	D18	7202	F13
2143	D18	7203	H 6
2144	D19	7218	M 4
2165	J14		
2181	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	M17		
2217	H 6		
2218	G 6		
2219	H 8		
2220	H 7		
2221	J 5		
2222	H10		
2223	H12		
2224	H 9		
2225	M12		
2226	C 9		
2227	E 3		
2228	F 5		
2229	F12		
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2236	F11		
2237	E 6		
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2266	M 3		
2268	K 2		
2269	K 3		
2273	K 4		
2274	N 3		
2275	N 5		
2276	N 3		
2310	L 4		
2311	N 2		
2392	L 4		
3106	K15		
3107	I15		
3108	I15		
3109	J14		
3136	N 2		
3139	L10		
3144	M11		
3145	C17		
3175	K10		
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3199	B 8		
3200	D 6		
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3204	K 9		
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3320	B17		
3321	C17		
3322	C17		
4001	D 4		
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5201	F10		
5202	E 6		
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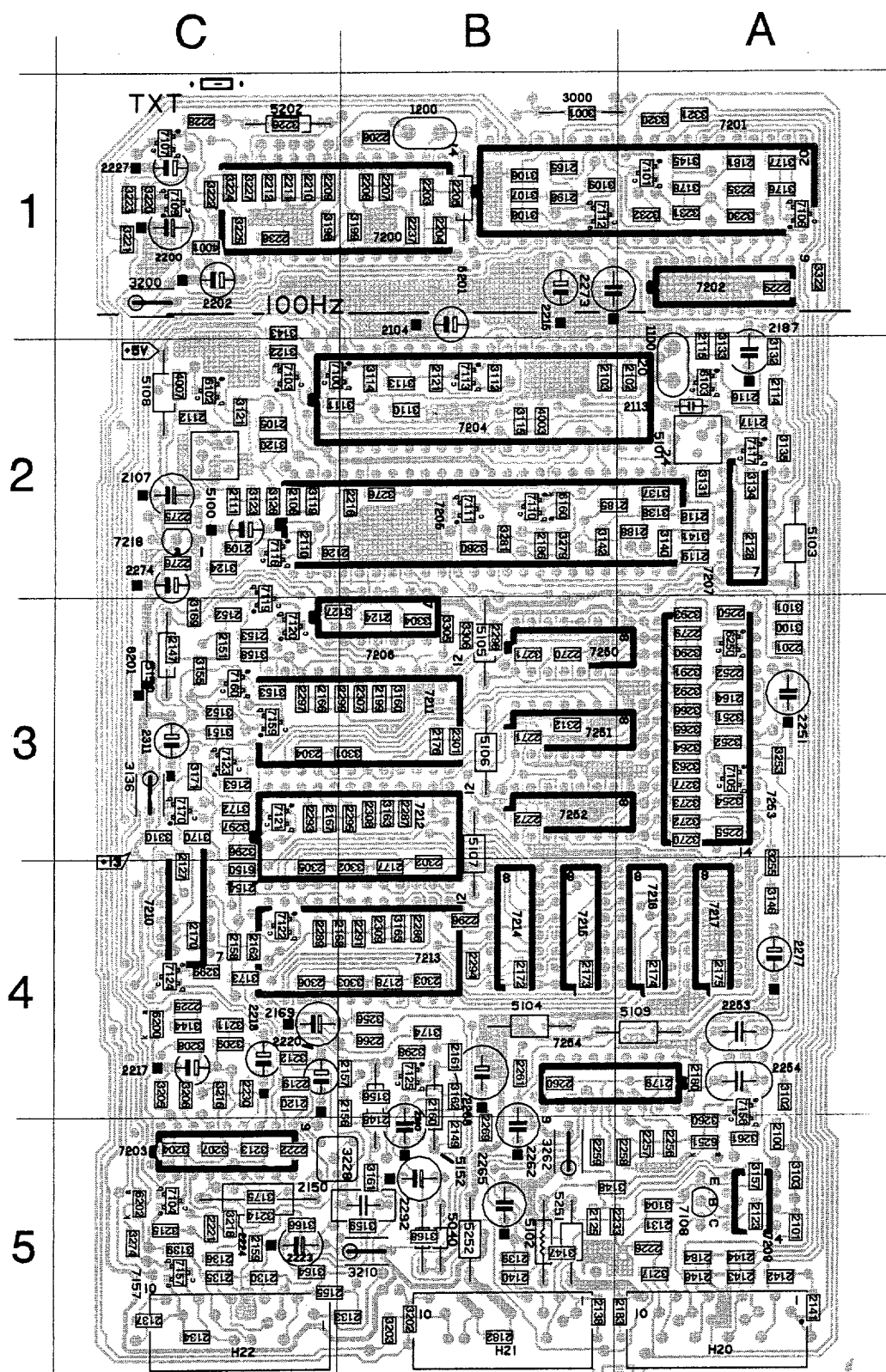
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELOS:
1) SCAN
2) EURO

CHASSIS FL1.1

CL 16532059/011, LREF
221091

1200 B1
2104 B1
2107 C2
2108 C2
2113 A2
2150 C5
2169 C4
2187 A2
2200 C1
2202 C1
2215 B1
2217 C4
2218 C4
2220 C4
2223 C5
2224 C5
2227 C1
2251 A3
2253 A4
2254 A4
2262 B5
2265 B5
2268 B4
2273 B1
2274 C2
2277 A4
2292 B5
2310 B5
2311 C3
3000 B1
3136 C3
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3228 C5
3262 B5
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5041 B5
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7217 A4
7218 C2
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7253 A3
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H20 A5
H21 B5
H22 C5





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H21 B5	2118 A2	2142 A5	2164 A3	2186 B2
H22 C5	2119 A2	2143 A5	2165 B1	2187 A2
1200 B1	2120 C4	2144 A5	2166 C3	2188 B3
2100 A5	2121 B2	2146 A5	2167 C3	2198 B1
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2102 B2	2124 B3	2148 B4	2169 C4	2200 C1
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2110 C2	2134 C5	2156 C4	2178 B4	2208 C1
2111 C2	2135 C5	2157 C4	2179 A4	2209 C1
2112 C2	2136 C5	2158 C4	2180 A4	2210 C1
2113 A2	2137 C5	2159 C5	2181 A1	2211 C1
2114 A2	2138 B5	2160 B4	2182 B5	
2115 A2	2139 B5	2161 B4	2183 B5	
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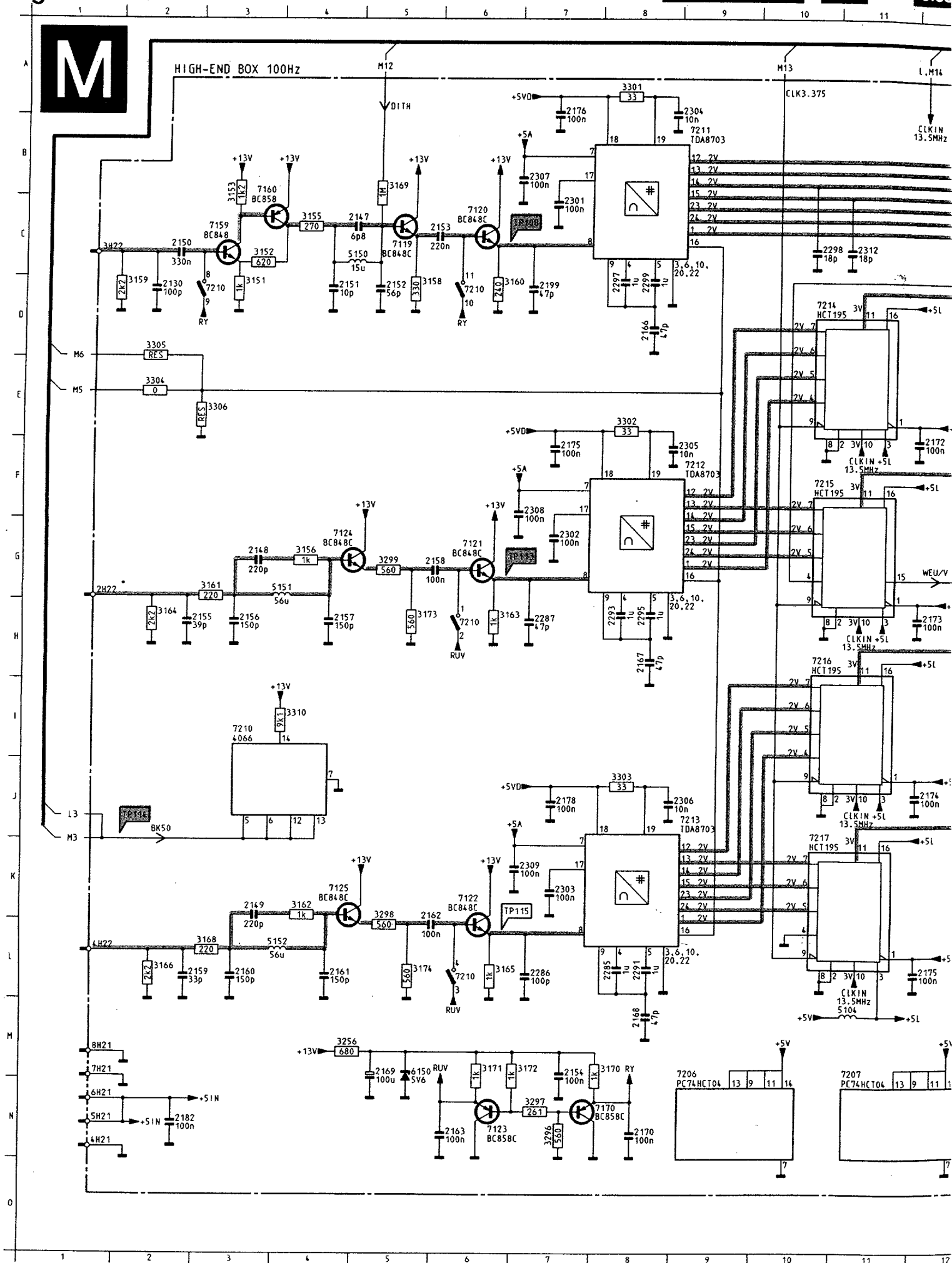
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2218 C4	3141 A2	3306 B3
2219 C4	3142 B2	3310 C3
2220 C4	3143 C1	3320 A1
2221 C5	3144 C4	3321 A1
2222 C5	3145 A1	3322 A1
2223 C5	3146 A4	4001 C1
2224 C5	3147 B5	4003 B2
2225 C4	3148 B5	4007 C2
2226 A5	3151 C3	5040 B5
2227 C1	3152 C3	5041 B5
2228 C1	3153 C3	5100 C2
2229 A1	3155 C3	5101 A2
2230 C4	3156 B4	5102 B5
2233 B5	3157 A5	5103 A2
2235 A1	3158 C3	5104 B4
2236 C1	3159 C5	5105 B3
2237 B1	3160 B3	5106 B3
2250 A3	3161 B5	5107 B3
2251 A3	3162 B4	5108 C2
2252 A3	3163 B3	5109 B4
2253 A4	3164 C5	5150 C3
2254 A4	3165 B4	5151 B4
2255 A3	3166 C5	5152 B4
2256 A5	3168 B5	5201 B1
2257 A5	3169 C3	5202 C1
2258 B5	3170 C3	5251 B5
2259 B5	3171 C3	5252 B5
2260 B4	3172 C3	6102 C2
2261 B4	3173 C4	6103 A2
2262 B5	3174 B4	6150 C4
2265 B5	3175 C5	6160 B2
2266 B4	3176 A1	6200 C4
2268 B4	3177 A1	6201 C3
2269 B5	3178 A1	6202 C5
2270 B3	3198 C1	6250 A3
2271 B3	3199 C1	6251 A5
2272 B3	3200 C1	7100 C2
2273 B1	3202 B5	7101 B1
2274 C2	3203 B5	7103 C2
2275 C2	3204 C5	7104 C5
2276 C2	3205 C4	7105 A3
2277 A4	3206 C4	7106 A1
2279 A3	3207 C5	7107 C1
2286 B4	3208 C4	7108 A5
2287 B3	3209 C4	7109 C1
2289 C4	3210 B5	7110 B2
2291 C4	3211 C4	7111 B2
2292 B5	3212 C4	7112 B1
2293 C3	3213 C5	7113 B2
2294 B4	3214 C5	7116 C2
2295 C3	3215 C5	7117 A2
2296 B4	3216 C4	7119 C2
2297 C3	3217 A5	7120 C3
2298 B3	3218 C5	7121 C3
2299 C3	3220 C1	7122 C4
2301 B3	3221 C1	7123 C3
2302 B3	3222 C1	7124 C4
2303 B4	3223 C1	7125 B4
2304 C3	3224 C1	7156 A4
2305 C4	3225 C1	7157 C5
2306 C4	3226 C1	7159 C3
2307 C3	3227 C1	7160 C3
2308 B3	3228 C5	7170 C3
2309 B4	3230 A1	7200 C1
2310 B5	3231 A1	7201 B1
2311 C3	3232 B1	7202 A1
2312 B3	3251 A3	7203 C5
3000 B1	3252 A3	7204 C2
3001 B1	3253 A3	7205 C2
3100 A3	3254 A3	7206 C2
3101 A3	3255 A3	7207 A2
3102 A4	3256 B4	7209 A5
3103 A5	3260 A4	7210 C3
3104 A5	3261 A5	7211 C3
3106 B1	3262 B5	7212 C3
3107 B1	3263 A3	7213 C4
3108 B1	3264 A3	7214 B4
3109 B1	3265 A3	7215 B4
3110 B2	3266 A3	7216 B4
3111 C2	3270 A3	7217 A4
3112 B2	3271 B3	7218 C2
3113 B2	3272 A3	7250 B3
3114 B2	3273 A3	7251 B3
3115 B2	3274 C5	7252 B3
3119 C2	3276 B2	7253 A3
3120 C2	3277 A3	7254 A4
3121 C2	3279 B2	
3122 C2	3280 B2	
3123 C2	3281 B2	
3124 C2	3290 A3	
3126 C2	3291 A3	
3127 C3	3292 A3	
3131 A2	3293 A3	
3132 A2	3296 C3	
3133 A2	3297 C3	
3134 A2	3298 B4	
3135 A2	3299 C4	
3136 C3	3301 C3	

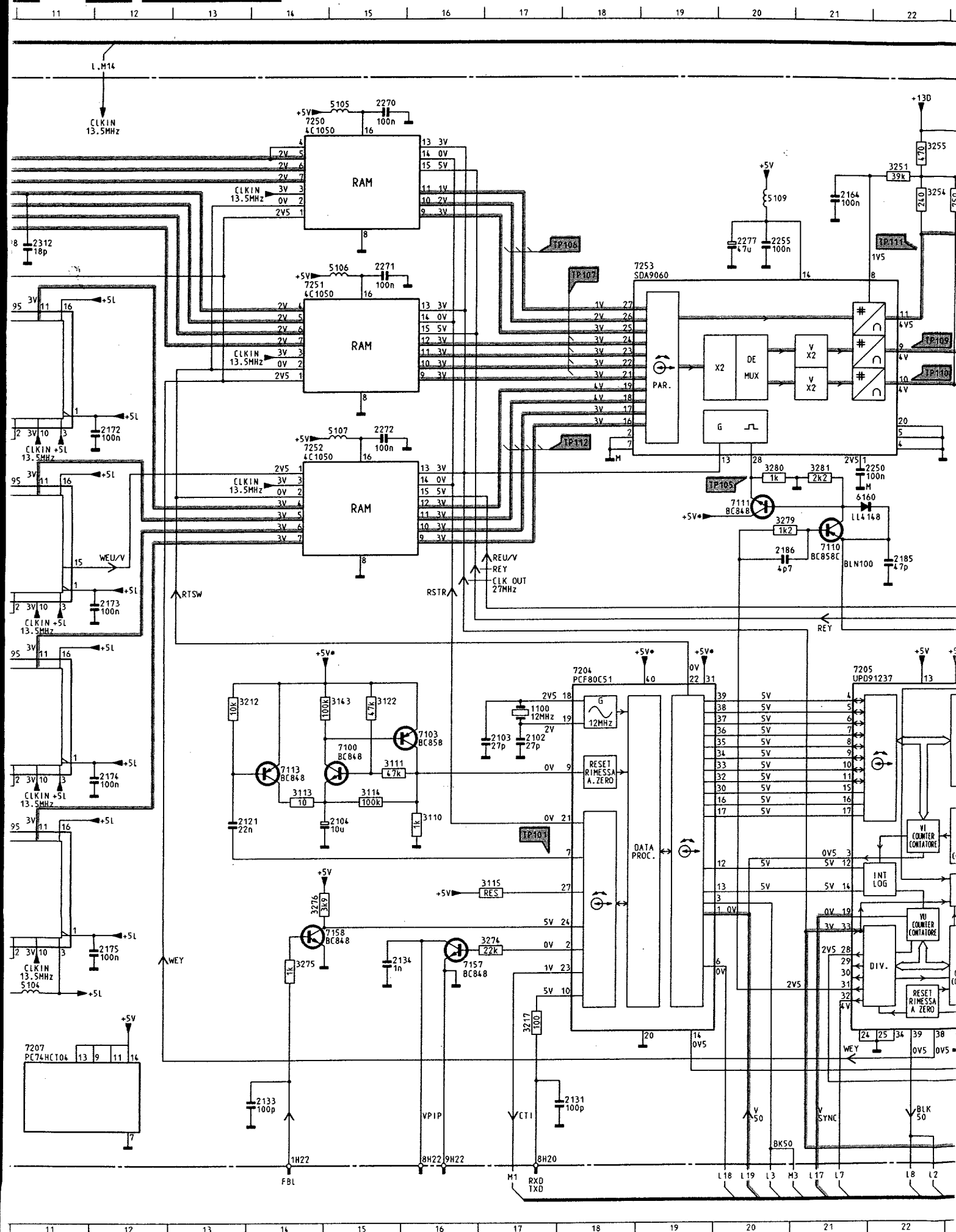
High-end box

CHASSIS FL1.1

6.52

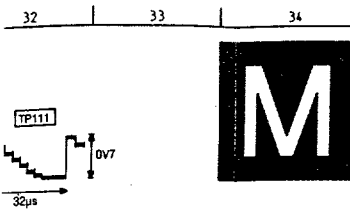
653



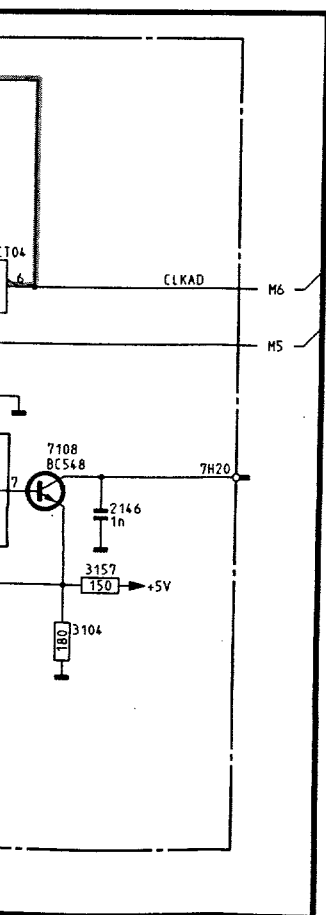




L1.1 6.54 6.55 CHASSIS FL1.1



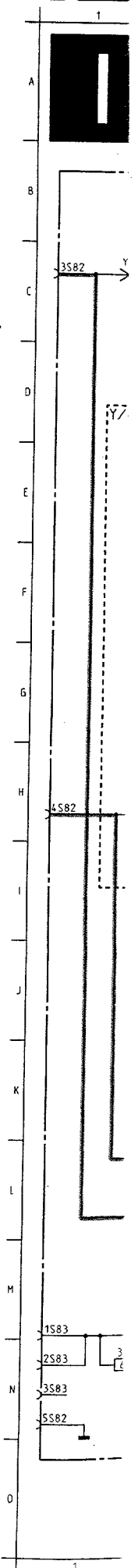
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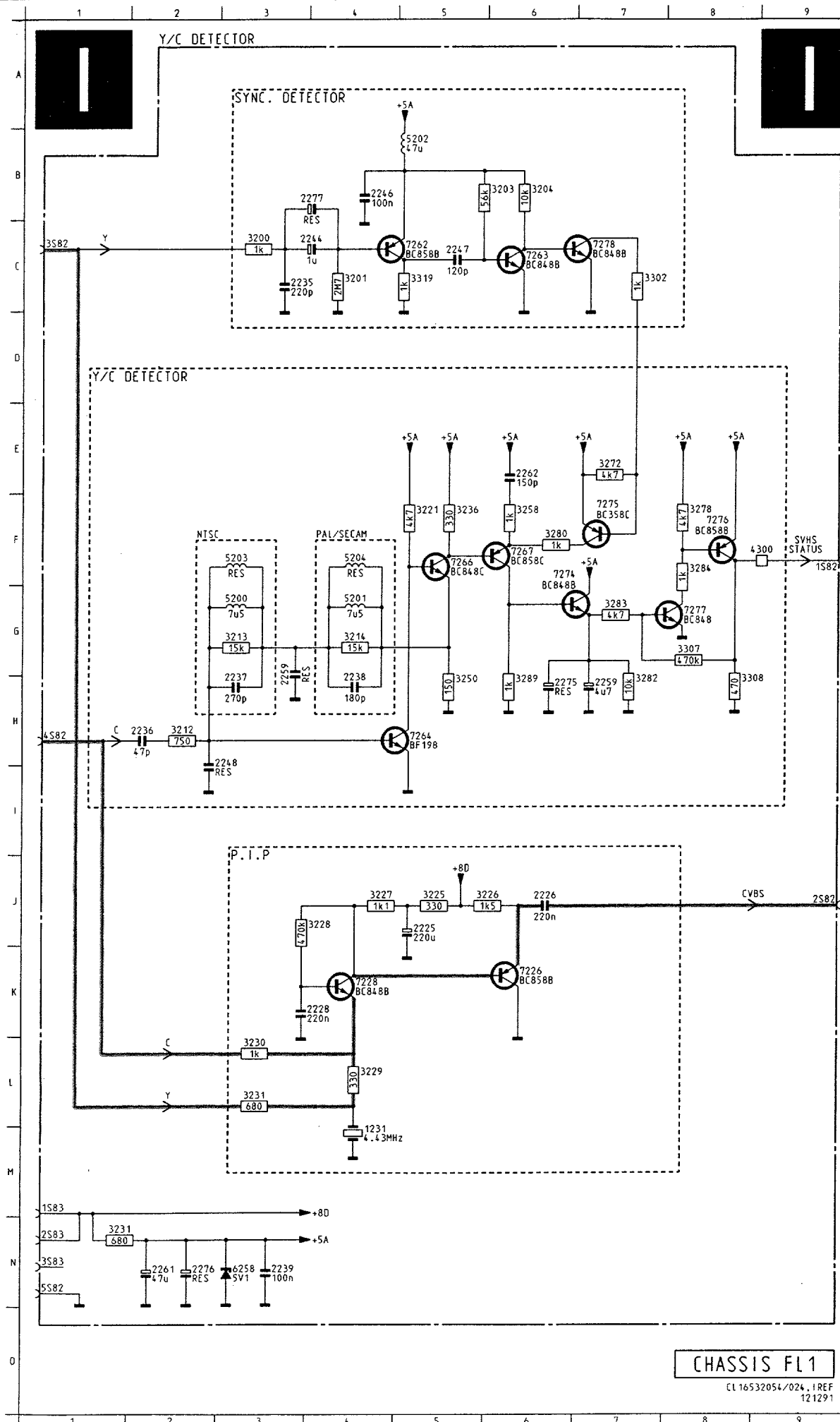


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CL16532059/012_MREF
221091

1100	I17	3115	K17	7207	M31
2100	K29	3119	J26	7207	M31
2101	L30	3120	J26	7209	K30
2102	J17	3121	J27	7210	D 3
2103	J17	3122	I15	7210	D 6
2104	K15	3124	I29	7210	H 6
2105	J26	3124	M29	7210	L 6
2106	J27	3125	I28	7210	I 3
2108	I28	3126	J29	7211	B 9
2109	I29	3127	J29	7212	F 9
2110	I29	3131	M30	7213	J 9
2111	J28	3132	M28	7214	D10
2112	L30	3133	M29	7215	F10
2113	M27	3135	N29	7216	H10
2114	M28	3137	N26	7217	K10
2115	M29	3138	M26	7250	B14
2116	N29	3140	M25	7251	D14
2117	N28	3141	M25	7252	F14
2118	M25	3142	N25	7253	D18
2119	M25	3143	I15	7254	D24
2121	K13	3146	B25		
2123	K32	3147	C26		
2125	B26	3148	C25		
2130	D 2	3151	D 3		
2131	N18	3152	C 3		
2133	N14	3153	B 3		
2134	L15	3155	C 4		
2138	C27	3156	G 4		
2139	E27	3157	L33		
2140	E27	3158	D 5		
2146	L33	3159	D 2		
2147	C 4	3160	D 6		
2148	G 3	3161	G 3		
2149	K 3	3162	K 4		
2150	C 2	3163	H 6		
2151	D 4	3164	H 2		
2152	D 5	3165	L 6		
2153	C 5	3166	L 2		
2154	M 7	3168	L 3		
2155	H 2	3169	B 5		
2156	H 3	3170	M 8		
2157	H 4	3171	M 6		
2158	G 5	3172	M 7		
2159	L 2	3173	H 5		
2160	L 3	3174	L 5		
2161	L 4	3212	I13		
2162	L 5	3217	M17		
2164	C21	3251	B22		
2166	D 8	3252	B23		
2167	H 8	3253	B23		
2168	M 8	3254	B22		
2169	M 5	3255	B22		
2172	F12	3256	M 4		
2173	H12	3262	F27		
2174	J12	3274	L17		
2175	L12	3275	L14		
2175	F 7	3279	G20		
2176	B 7	3280	F20		
2178	J 7	3281	F21		
2179	E24	3296	N 7		
2180	E23	3297	N 7		
2182	N 2	3298	L 5		
2182	N 8	3299	G 5		
2182	N 6	3301	A 8		
2185	G22	3302	E 8		
2186	G20	3303	J 8		
2187	M30	3304	E 2		
2188	M26	3305	D 2		
2199	D 7	3306	E 3		
2201	K28	3310	I 4		
2233	C26	4007	I27		
2250	F21	5100	J28		
2251	C24	5101	N28		
2252	C25	5102	C26		
2253	D23	5104	M11		
2254	E23	5105	A15		
2255	C20	5106	D15		
2256	F24	5107	F15		
2257	F25	5109	C20		
2258	F25	5150	C 4		
2259	F26	5151	G 4		
2260	F26	5152	L 4		
2261	G26	6102	I27		
2262	G27	6103	M27		
2270	A15	6150	M 5		
2271	D15	6160	F21		
2272	F15	6250	C24		
2277	C20	7100	J15		
2286	L 7	7103	I16		
2287	H 7	7105	C25		
2289	L 8	7108	K32		
2291	L 8	7110	G21		
2293	H 8	7111	G20		
2295	H 8	7113	J14		
2297	D 8	7116	J29		
2298	C10	7117	N29		
2299	D 8	7119	C 5		
2301	C 7	7120	C 6		
2302	G 7	7121	G 6		
2303	K 7	7122	K 6		
2304	B 9	7123	N 6		
2305	F 9	7124	G 4		
2306	J 9	7125	K 4		
2307	B 7	7157	L16		
2308	F 7	7158	L15		
2309	K 7	7159	C 3		
2312	C11	7160	B 3		
3100	K29	7170	N 8		
3101	L28	7204	I18		
3102	L29	7205	I21		
3103	L29	7206	M 9		
3104	M32	7206	J30		
3110	J16	7206	J31		
3111	J15	7206	J32		
3113	J14	7207	M11		
3114	J15	7207	N30		





1231 H 4
2225 J 5
2226 J 6
2228 K 3
2235 C 3
2236 H 2
2237 H 3
2238 H 4
2239 N 3
2244 C 4
2246 B 4
2247 C 5
2248 I 2
2259 G 3
2259 H 7
2261 N 2
2262 E 6
2275 H 6
2276 N 2
2277 B 4
3200 C 3
3201 C 4
3203 B 5
3204 B 6
3212 H 2
3213 G 3
3214 G 4
3221 F 5
3225 J 5
3226 J 5
3227 J 4
3228 J 4
3229 L 4
3230 L 3
3231 L 3
3231 N 1
3236 F 5
3250 G 5
3258 F 6
3272 E 7
3278 F 8
3280 F 6
3282 G 7
3283 G 7
3284 F 8
3289 G 6
3302 C 7
3307 G 8
3308 G 8
3319 C 5
4300 F 9
5200 G 3
5201 G 4
5202 B 5
5203 F 3
5204 F 4
6258 N 3
7226 K 6
7228 K 4
7262 C 5
7263 C 6
7264 H 5
7266 F 5
7267 F 6
7274 F 6
7275 F 7
7276 F 8
7277 G 8
7278 C 7

CHASSIS FL1

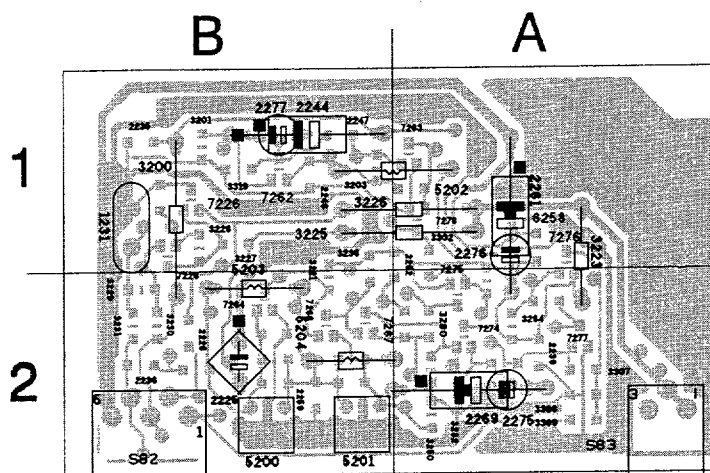
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Y/C

Y/C Detector panel

Y/C Detektor Platine

Platine du détecteur Y/C



S82 B2	2239 A2	2276 A1	3221 B2	3250 A2	3307 A2	6258 A1	7276 A1
S83 A2	2244 B1	2277 B1	3223 A1	3258 B2	3308 A2	7226 B1	7277 A2
1231 B1	2246 B1	3190 A2	3225 A1	3272 A2	3319 B1	7228 B1	7278 A1
2225 B2	2247 B1	3200 B1	3226 A1	3278 A2	3991 A2	7262 B1	
2226 B2	2248 B2	3201 A1	3227 B1	3280 A2	4300 A2	7263 A1	
2228 B1	2259 B2	3203 B1	3228 B1	3282 A2	5200 B2	7264 B2	
2235 B1	2261 A1	3204 A1	3229 B2	3283 A2	5201 B2	7266 B2	
2236 B2	2262 B2	3212 B2	3230 B2	3284 A2	5202 B1	7267 B2	
2237 B2	2269 A2	3213 B2	3231 B2	3289 A2	5203 B2	7274 A2	
2238 B2	2275 A2	3214 B2	3236 B2	3302 A2	5204 B2	7275 A2	

Electrical adjustments

Setting conditions

- * Unless stated otherwise, the supply voltage used is:
220 - 240V $\pm$ 10%; 50 - 60Hz $\pm$ 5%
- * Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.
- * Warming-up time $\approx$ 10 minutes
- * For all measurements it is true that:
probe $R_i > 1\text{M}\Omega$; $C_i < 10\text{pF}$

1. Electrical settings on the large signal panel

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 $\pm$ 0.5V.

1.2 Focusing

This is set with the focus potentiometer (top one on the Line 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 Line output transformer) to 150V $\pm$ 2V.

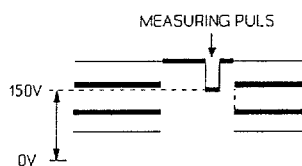


Fig. 7.1

1.9 Picture height

Set using potentiometer R3410.

1.10 East/West correction

Set using potentiometer R3602.

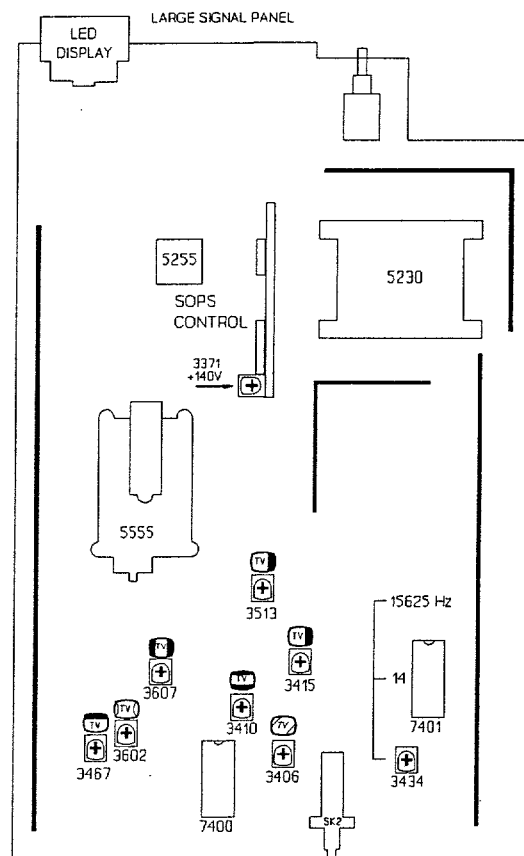


Fig. 7.2

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 $\pm$ 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.

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.

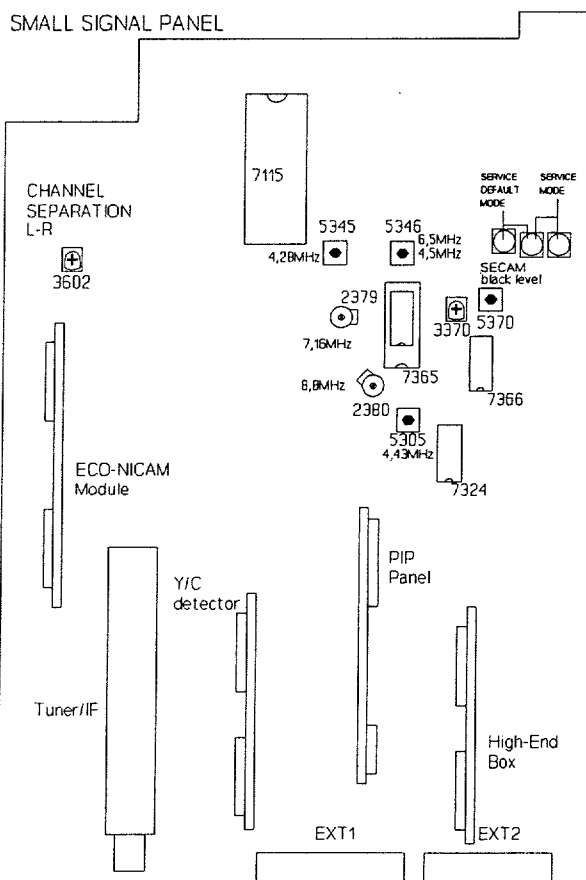


Fig. 7.3

3. Electrical adjustments on the high-end box

3.1 Synchronisation

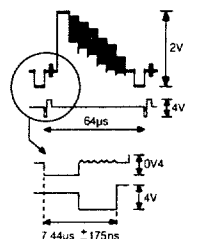
Connect point 5 of IC7203 to earth. Adjust R3228 until the picture is straight. Remove the short circuit.

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. 7.2). Adjust coil L5100 so that the positive-going flank of the signal at point 1 of IC7205 comes 7.62 μ sec 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 $\pm$ 50 kHz.



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Fig. 7.4

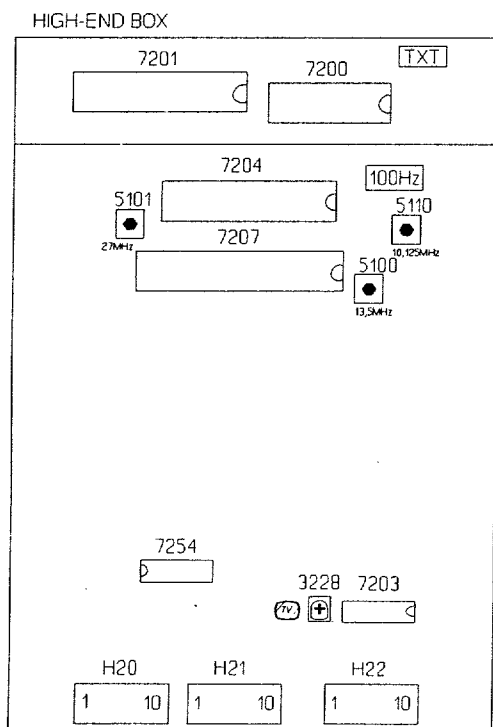


Fig. 7.5

4. Electrical settings on the ECO-NICAM decoder panel

4.1 Neutral frequency adjustment

Connect a frequency counter via a probe ($C_i \leq 15$ pF) 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. ($\pm$ 5 Hz)

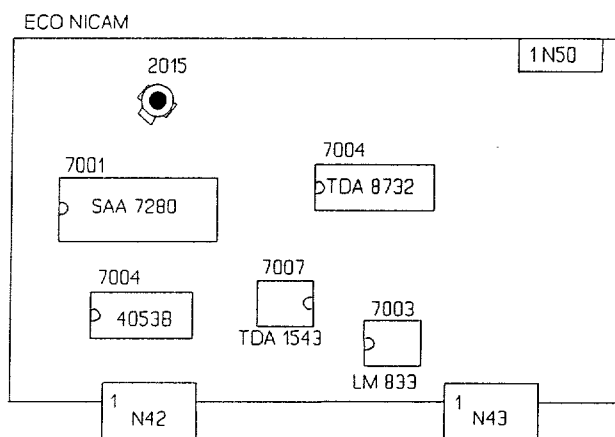


Fig. 7.6

5. Y/C detector adjustment

PAL/SECAM

Inject a chroma signal of 4.418 MHz/200mV on pin 15 of EXT2 SCART (PLO5).

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.

Y/C DETECTOR

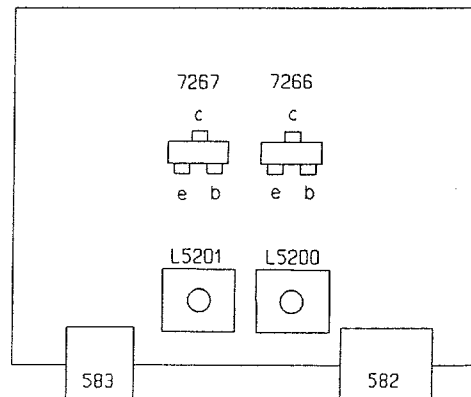


Fig. 7.7

6. 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.).

6.1 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 $15,625 \text{ Hz} \pm 25 \text{ Hz}$ with R3239.
Remove the short circuits.

6.2 AGC

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

6.3a 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 $4.43 \text{ MHz}/0.2 \text{ Vpp}$.
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.

6.3b 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 $4.286 \text{ MHz}/0.2 \text{ Vpp}$.
Connect pin 27-IC7125 to 13-IC7125. Connect an oscilloscope to pin 15-IC7125.
Set L5118 to maximum amplitude.
Remove the interconnection.

b-2 PAL chroma auxiliary oscillator

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

b-3 NTSC chroma auxiliary oscillator

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

b-4 The delay line

Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7125 (TDA4554). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554). Set the oscilloscope to the X-Y position.

Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

b-5 SECAM identification

Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 to pin 13-IC7125.
Connect an oscilloscope to pin 21-IC7125.
Adjust L5190 to maximum DC level.
Remove the interconnection.

b-6 SECAM demodulators

Connect a pattern generator and supply a SECAM signal without contents (black). Connect pin 27-IC7125 to pin 13-IC7125. Connect an oscilloscope to pin 1-IC7125. Using L5175, set the DC level during the scan equal to the DC level during the flyback.
In the same way set L5170, but now measure at pin 3-IC7125.
Remove the interconnection.

PIP MODULE

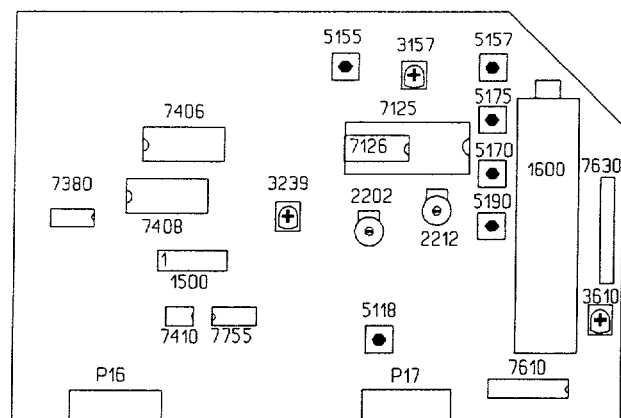


Fig. 7.8

7. Adjustments in the service menu

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

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

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

7.1 White balance

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

7.2 Options

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

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

Optioncode 1

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

For example, a set has:

Function	Number
Front-end FQ618/ME/IF	2
A PIP module	8
	--- +

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 a: option 1 or b: option 2
- Using P +/- set the desired 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.
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 FL1.1 AC sets).
4	100 Hz High-end box fitted This will always be the case.
32	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).

1. The Service Default Mode

The FL1.1 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.

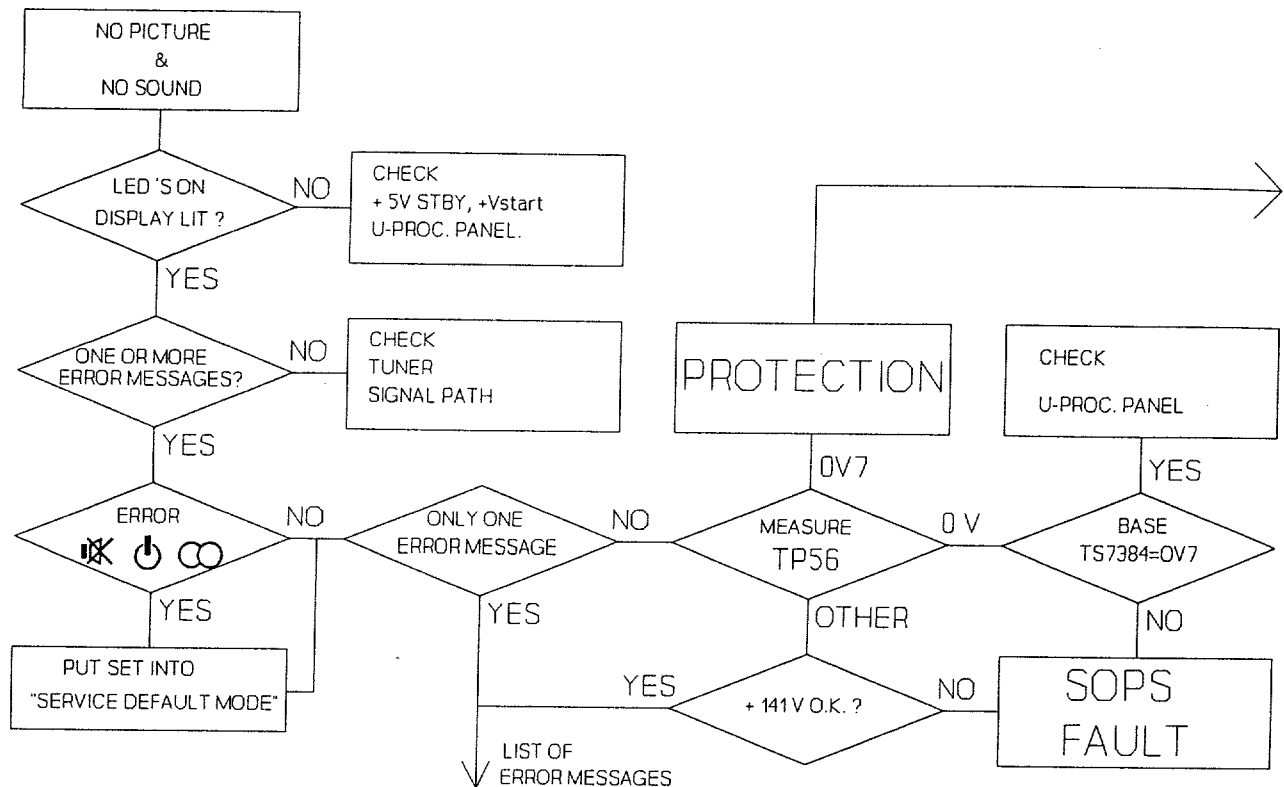
If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance and the other linear settings. These values, however, must all be checked and, if necessary, re-adjusted.

All options have also to be set, the programs installed and the personal preference set.

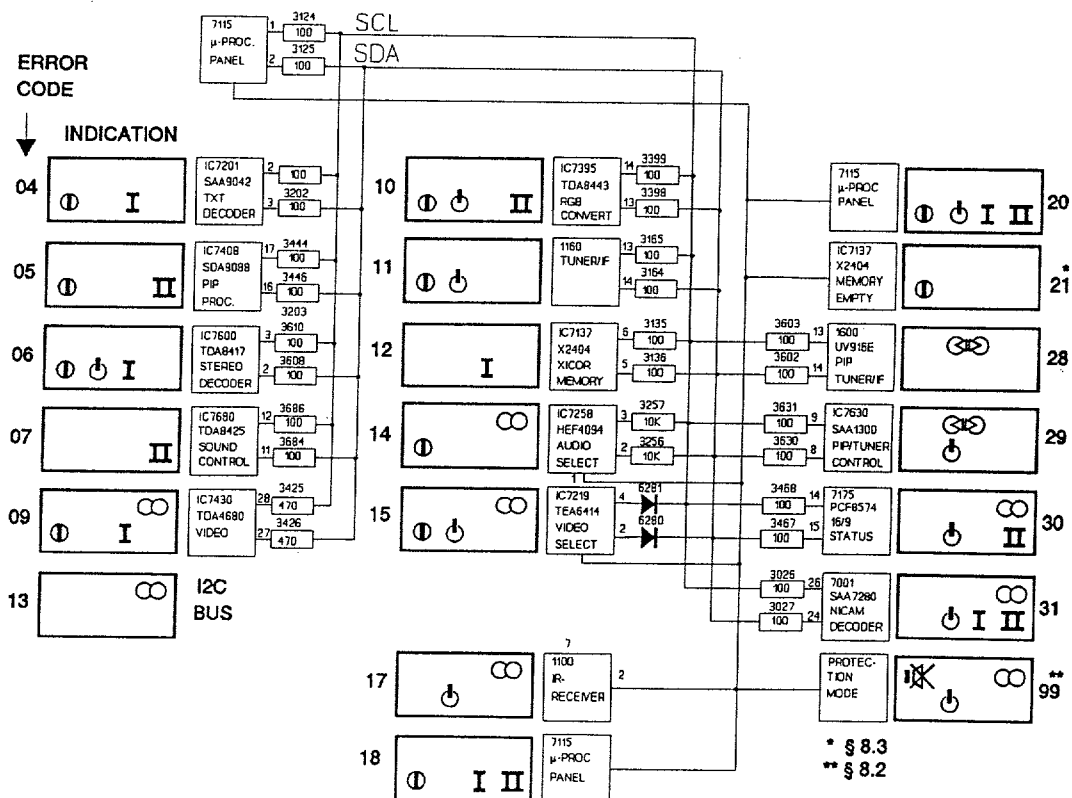
List

I²C

Faultfindingtree



List of error messages

I²C Blockdiagram

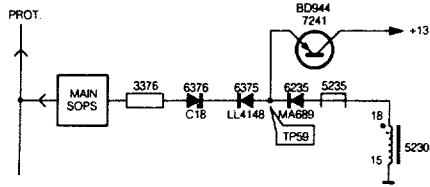
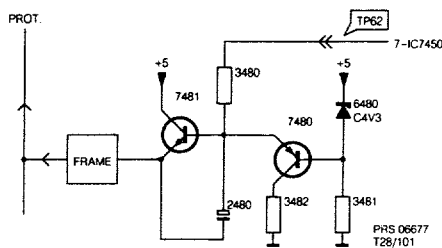
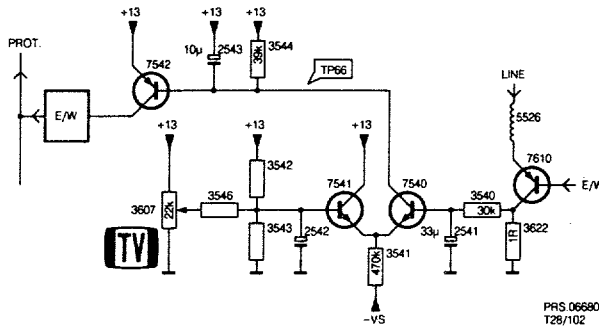
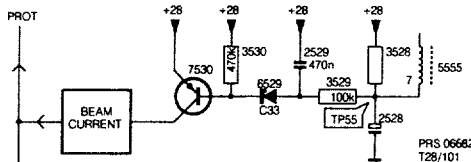
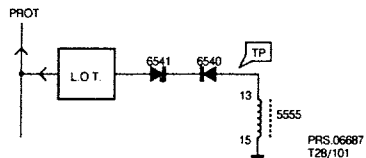
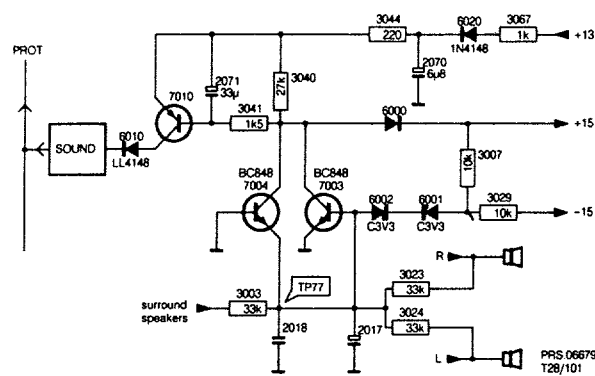
Protection



EHT



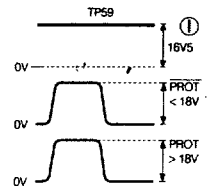
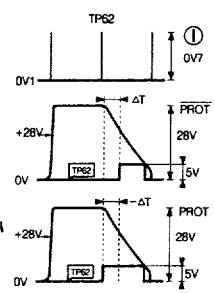
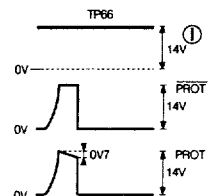
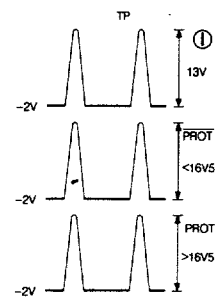
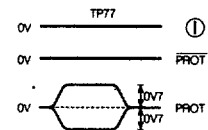
+V



CHASSIS FL1.1

8.3

8.4



4. S D
- 4.1 G O
- a. O
- b. SC
- c. Av
- d. ox
- 4.2 Re
- a. He
- b. the
- c. fo
- d. so
- Caution
- a. Wi
- b. pre
- c. Wi
- d. Th

Repair tips

4. Servicing of SMDs (Surface Mounted Devices)

4.1 General cautions on handling and storage

- Oxidation on the terminals of SMDs results in poor soldering. Do not handle SMDs with bare hands.
- 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.

- 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

- 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:
- 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).
- Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

Caution on removal:

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

4.3 Attachment of SMDs

- 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).
- Next complete the soldering of the terminals of the component (see Fig. 8.2B).

Caution when attaching SMDs:

- 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.
- Keep the SMD's body in contact with the printed board when soldering.
- The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).
- Soldering should not be done outside the solder land.
- Soldering flux (of rosin) may be used, but should not be acidic.
- After soldering, let the SMD cool down gradually at room temperature.
- 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).

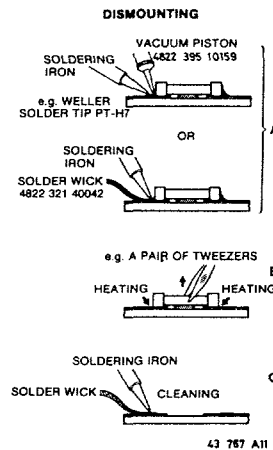


Fig. 8.1

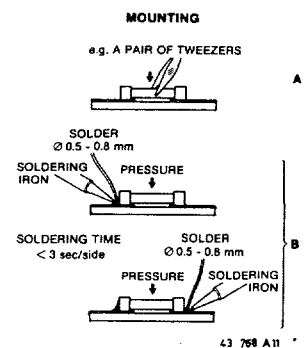


Fig. 8.2

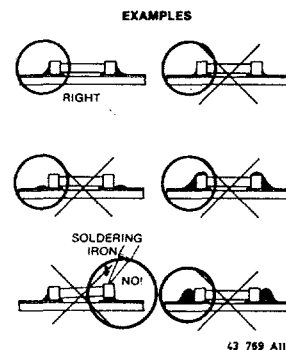
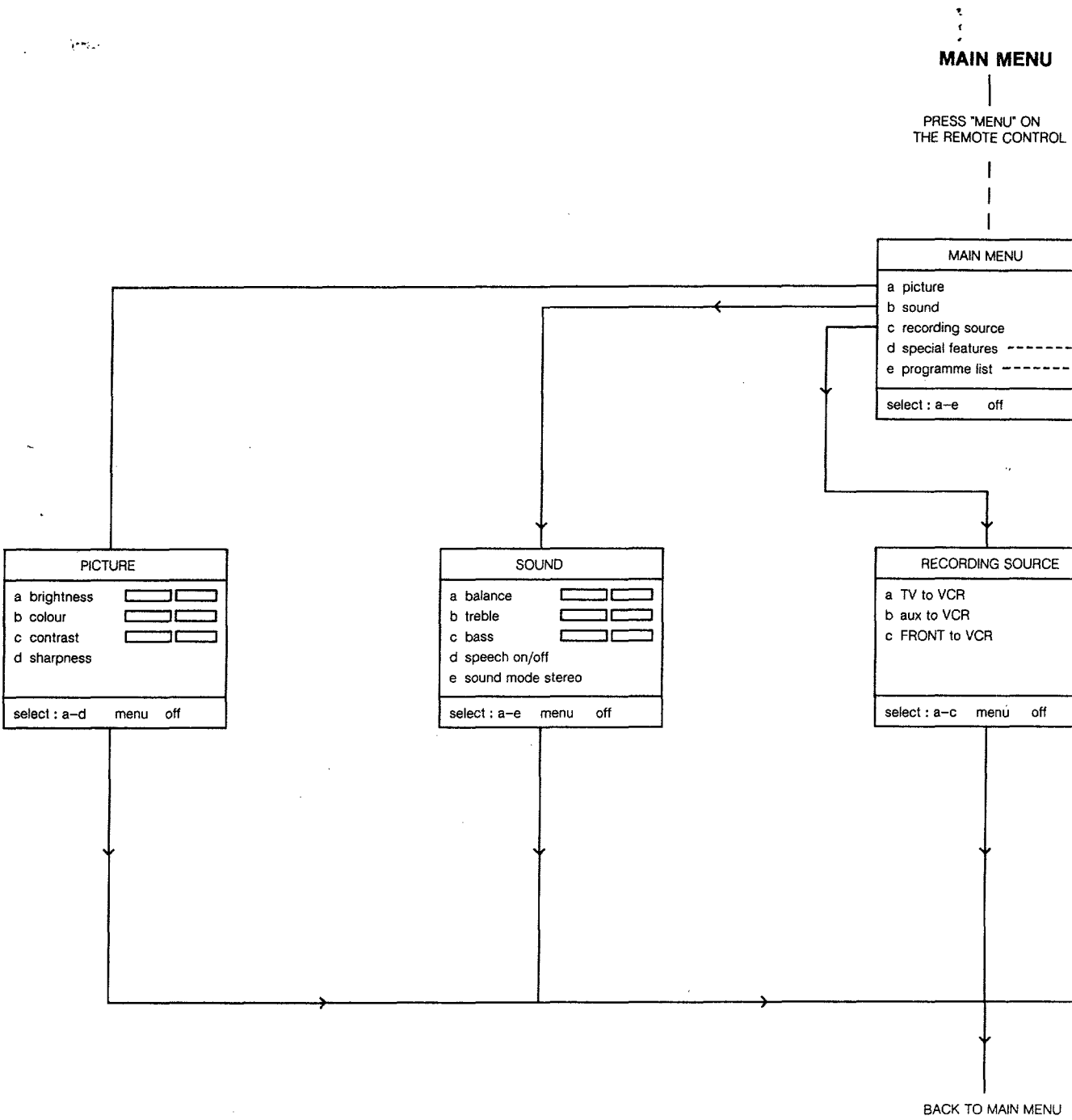


Fig. 8.3



MAIN MENU

PRESS "MENU" ON
THE REMOTE CONTROL

MAIN MENU

a picture
b sound
c recording source
d special features
e programme list
select : a-e off

RECORDING SOURCE

a TV to VCR
b aux to VCR
c FRONT to VCR

select : a-c menu off

SPECIAL FEATURES

a child lock
b sleeptimer
c display prog. No
d demonstration
e pip size

select : a-e menu off

stop demonstration
by switching off
the set

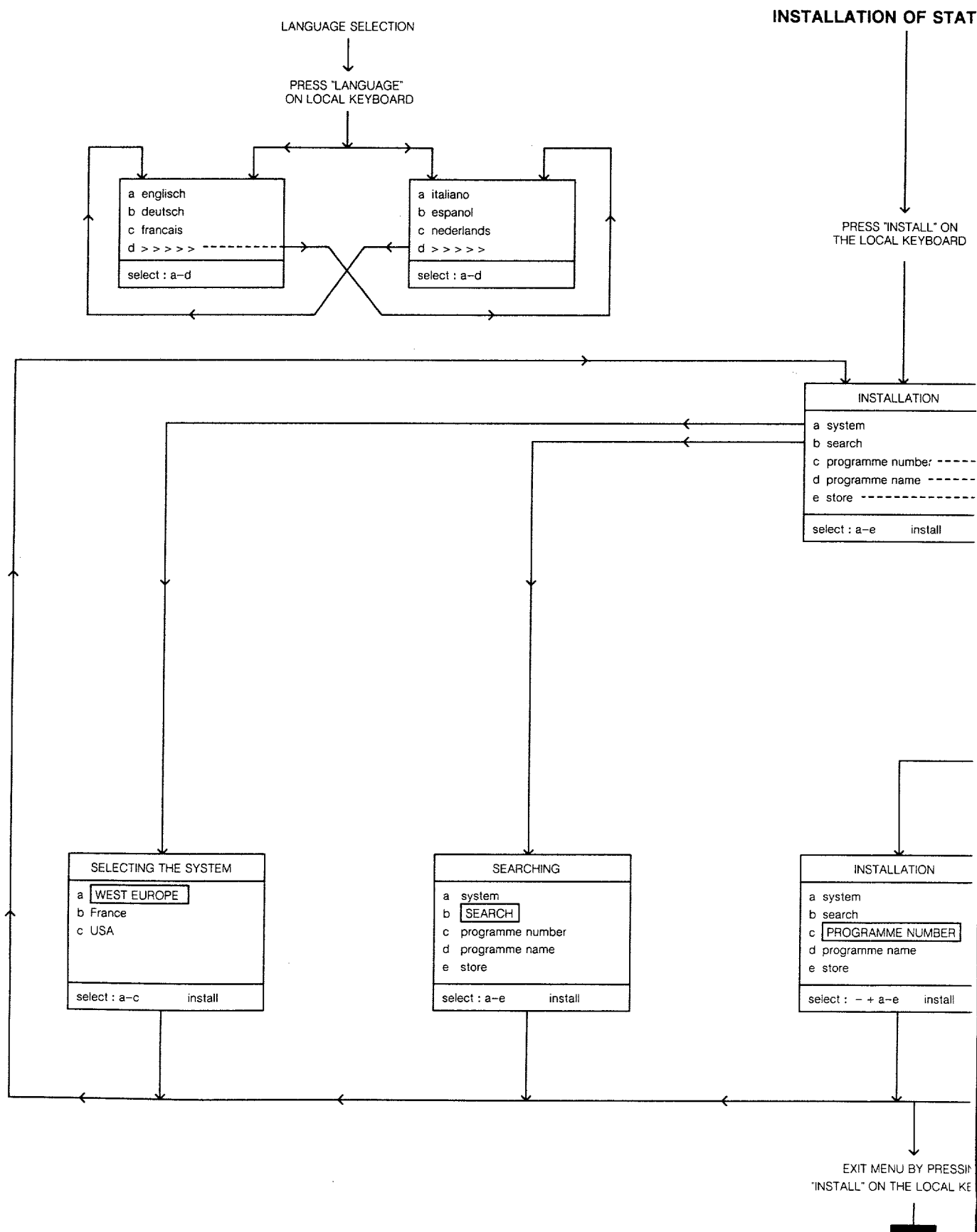
PROGRAMME LIST

pr.name	pr.name	pr.name
0	10	20
1	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	29

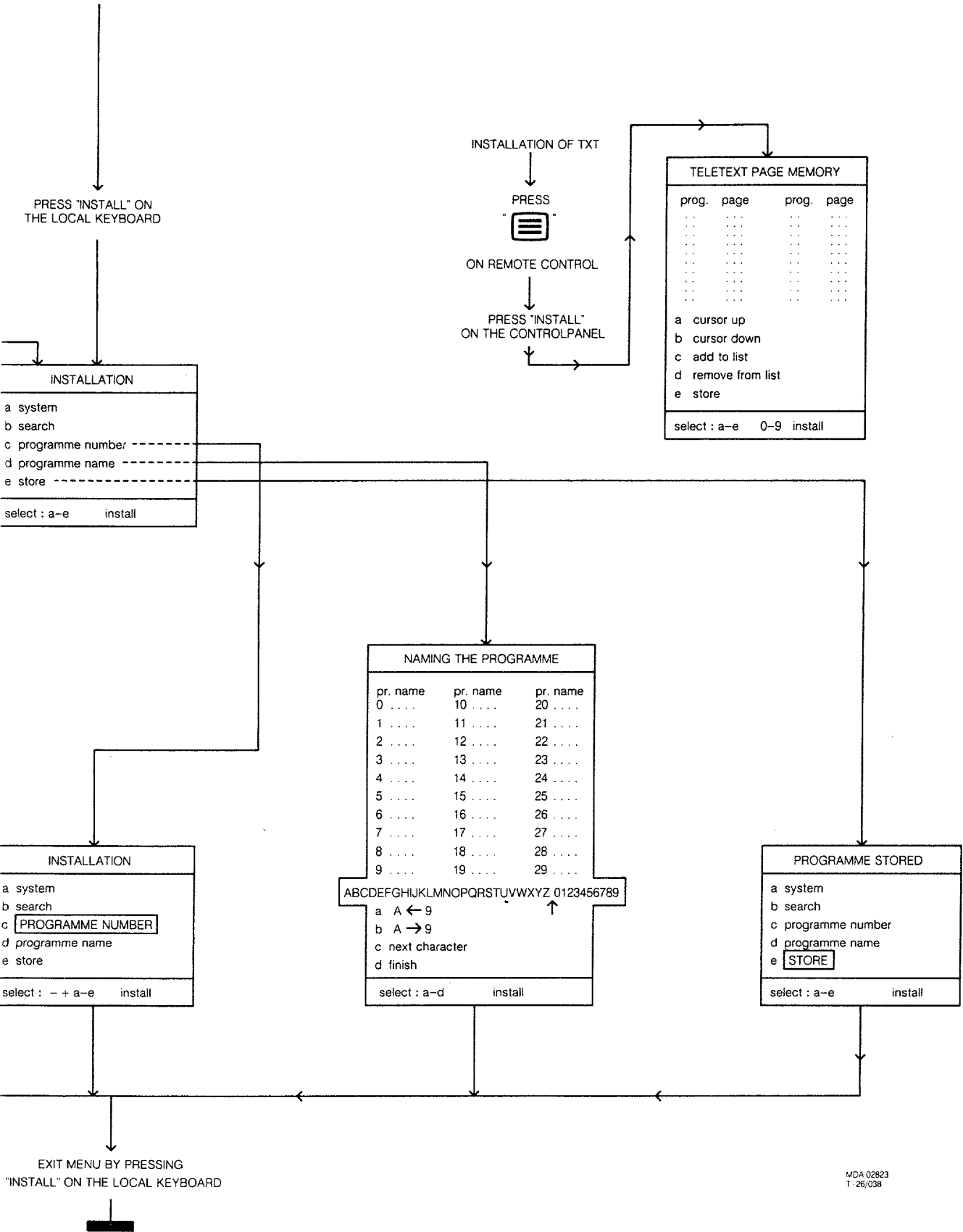
select : menu off

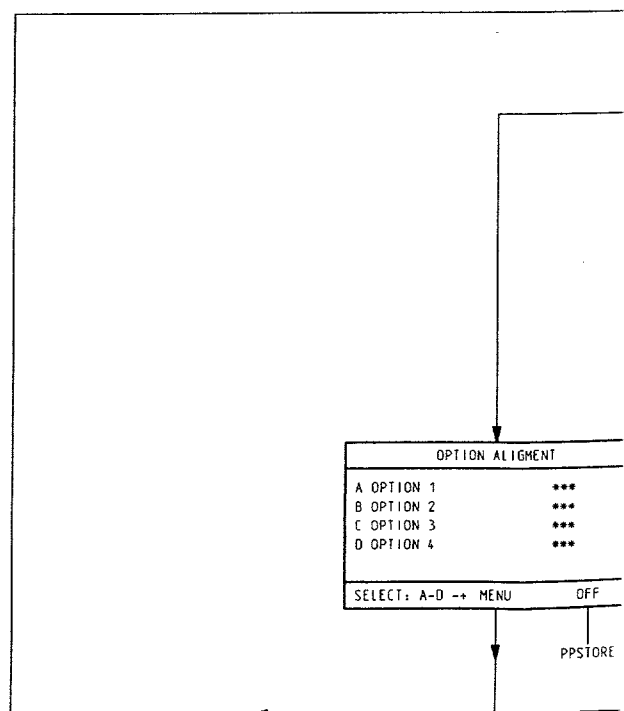
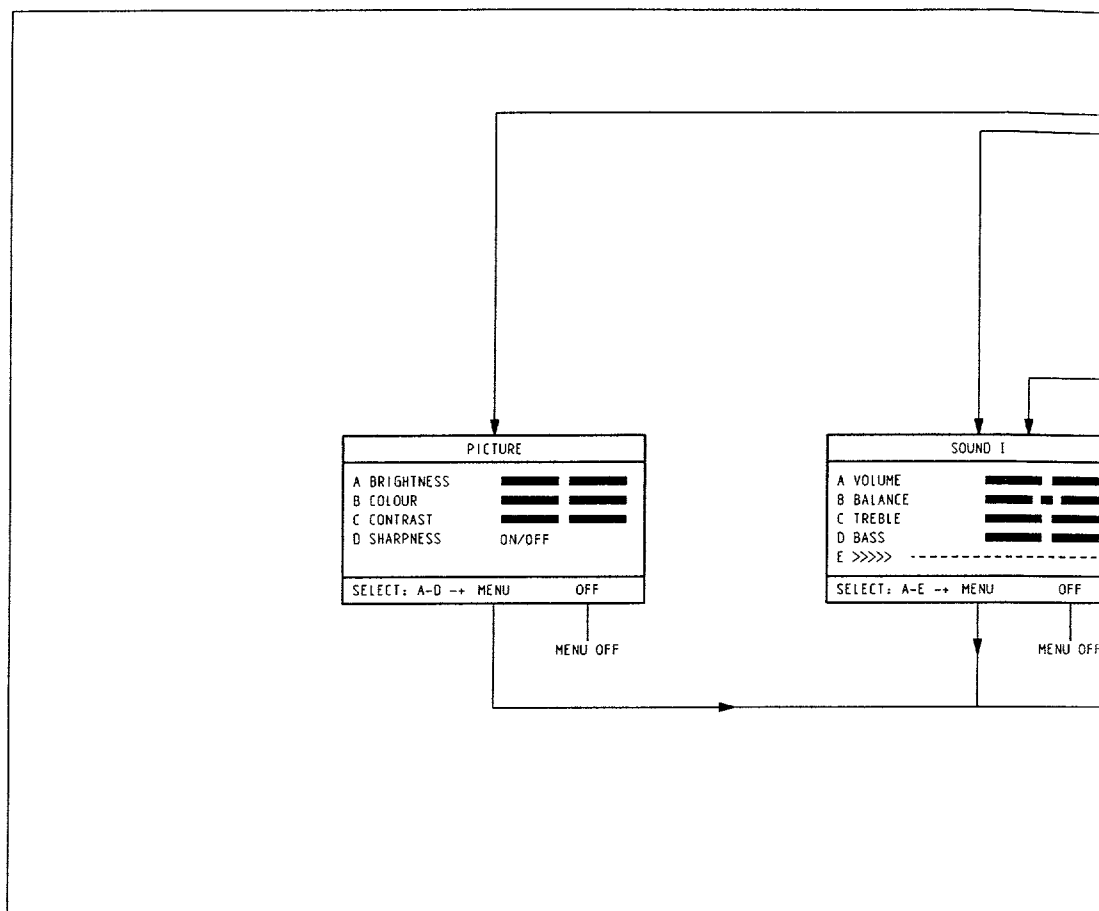
BACK TO MAIN MENU

MDA.02820
T-26/112

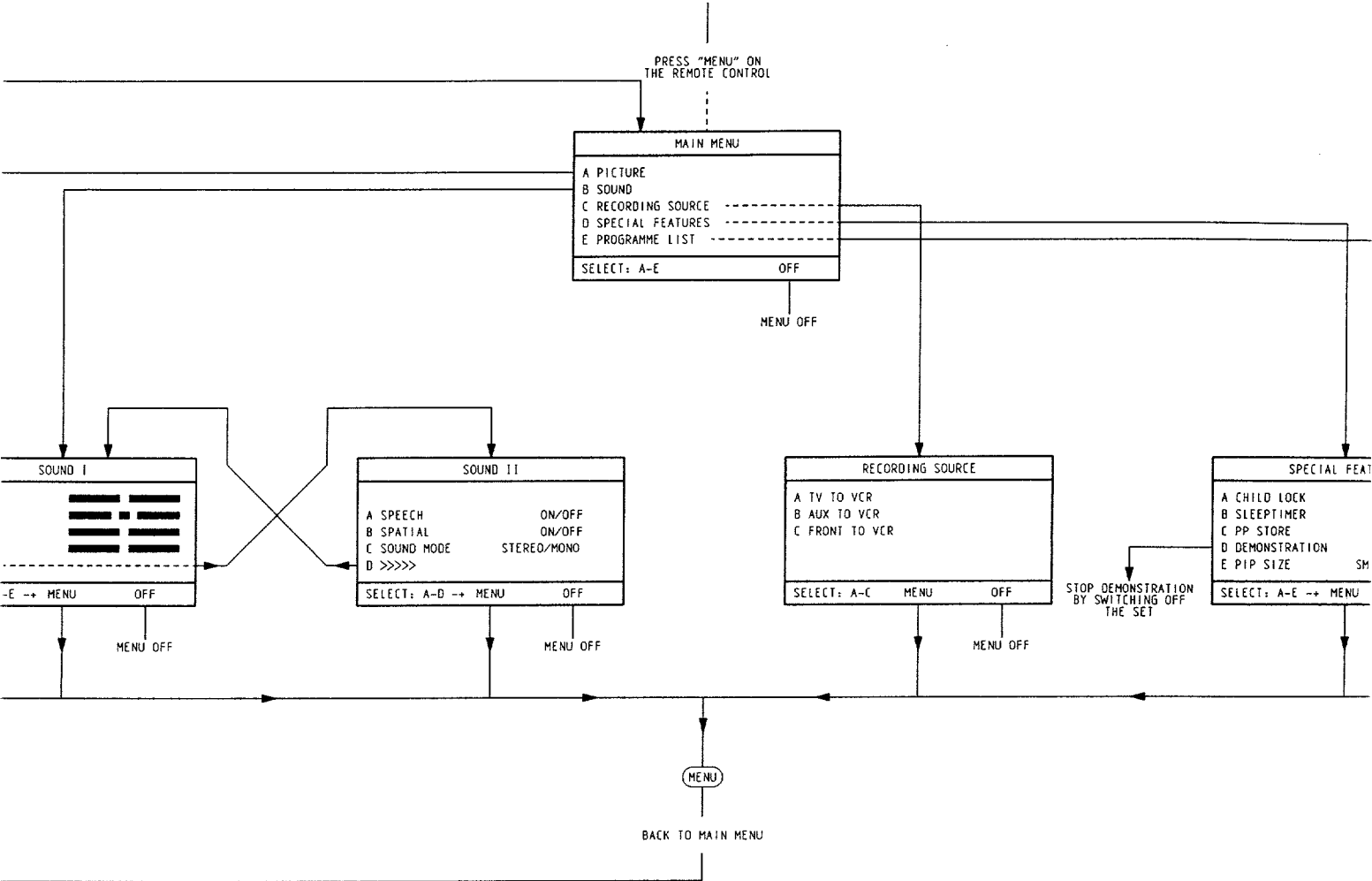


ALLATION OF STATIONS

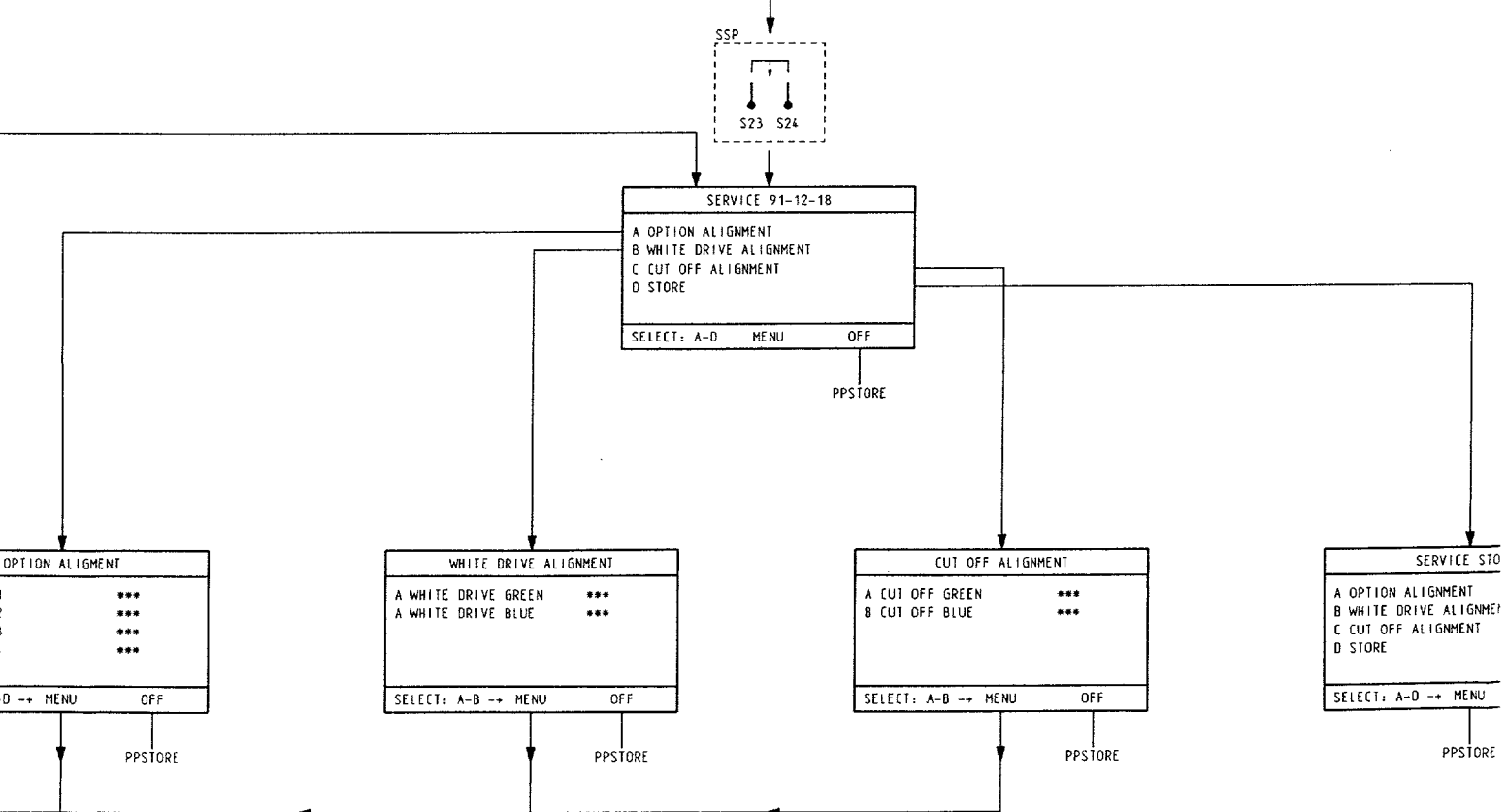


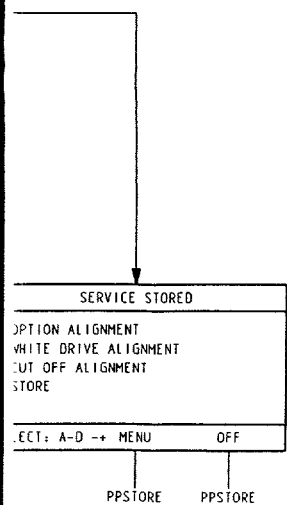
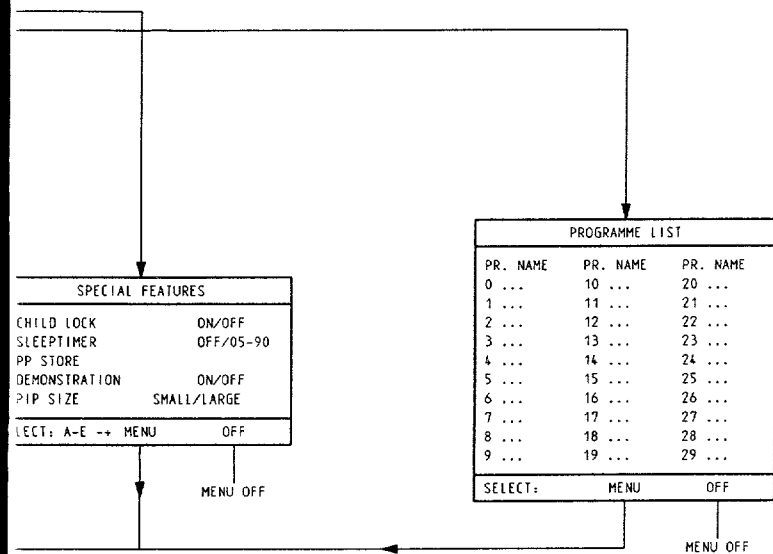


MAIN MENU

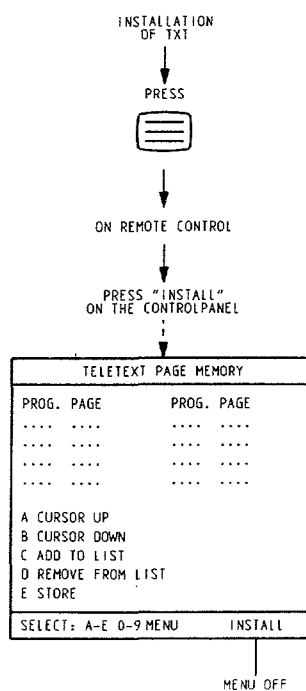
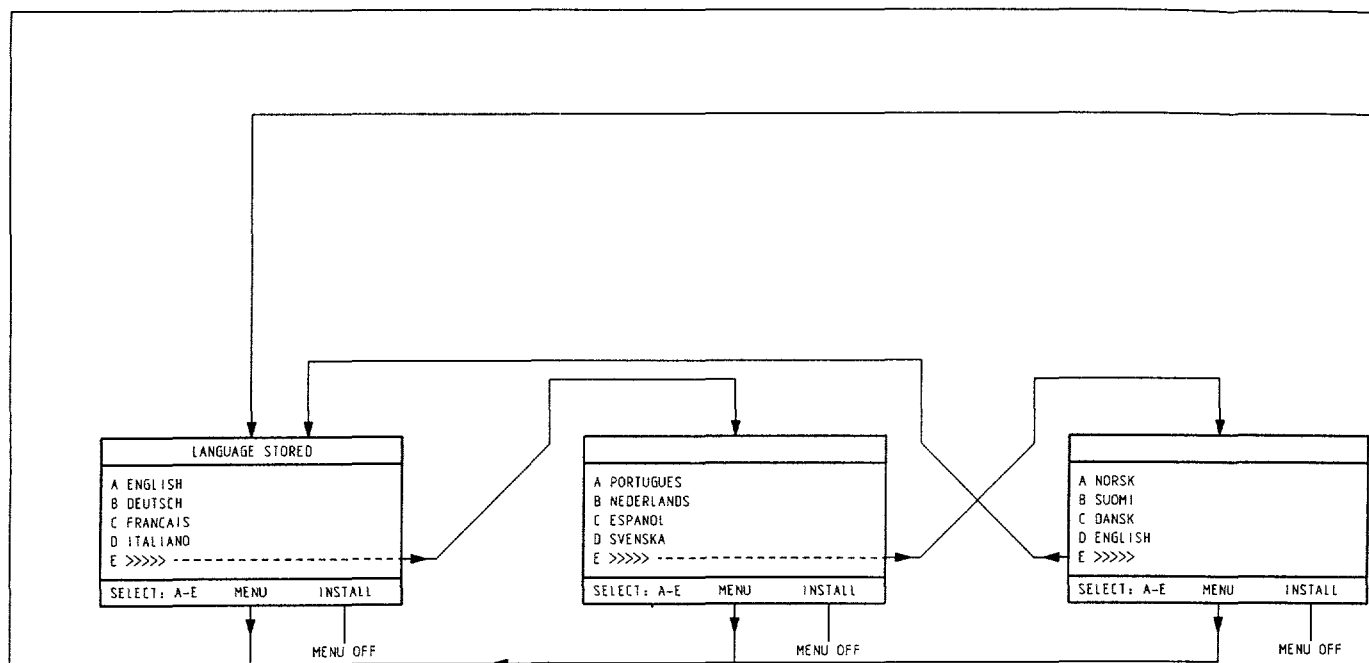


SERVICE MENU





9.8 CHASSIS FL1.1 Survey of menus FL1.7



INSTALLATION OF STATIONS

PRESS "INSTALL" ON
THE LOCAL KEYBOARD

INSTALL	
A LANGUAGE	
B INSTALLATION	-----
C FAVOURITE	-----
D PHOTO CD / CDI	YES/NO
SELECT: A-D →	INSTALL

MENU OFF

INSTALLATION	
A SYSTEM	
B SEARCH	
C PROGRAMME NUMBER	
D PROGRAMME NAME	-----
E STORE	-----
SELECT: A-E →	MENU INSTALL

MENU OFF

SELECTING THE SYSTEM	
A WEST-EUROPE	
B FRANCE	
C USA	
SELECT: A-C	MENU INSTALL

MENU OFF

SEARCHING	
A SYSTEM	
B SEARCH	
C PROGRAMME NUMBER	
D PROGRAMME NAME	
E STORE	
SELECT: A-E →	MENU INSTALL

MENU OFF

NAMING THE	
PR. NAME	PR. NAME
0 ...	10 ...
...	...
9 ...	19 ...
ABCDEFGHIJKLMNO	
A A ← 9	
B A → 9	
C NEXT CHARACTER	
D FINISH	
SELECT: A-D →	MENU

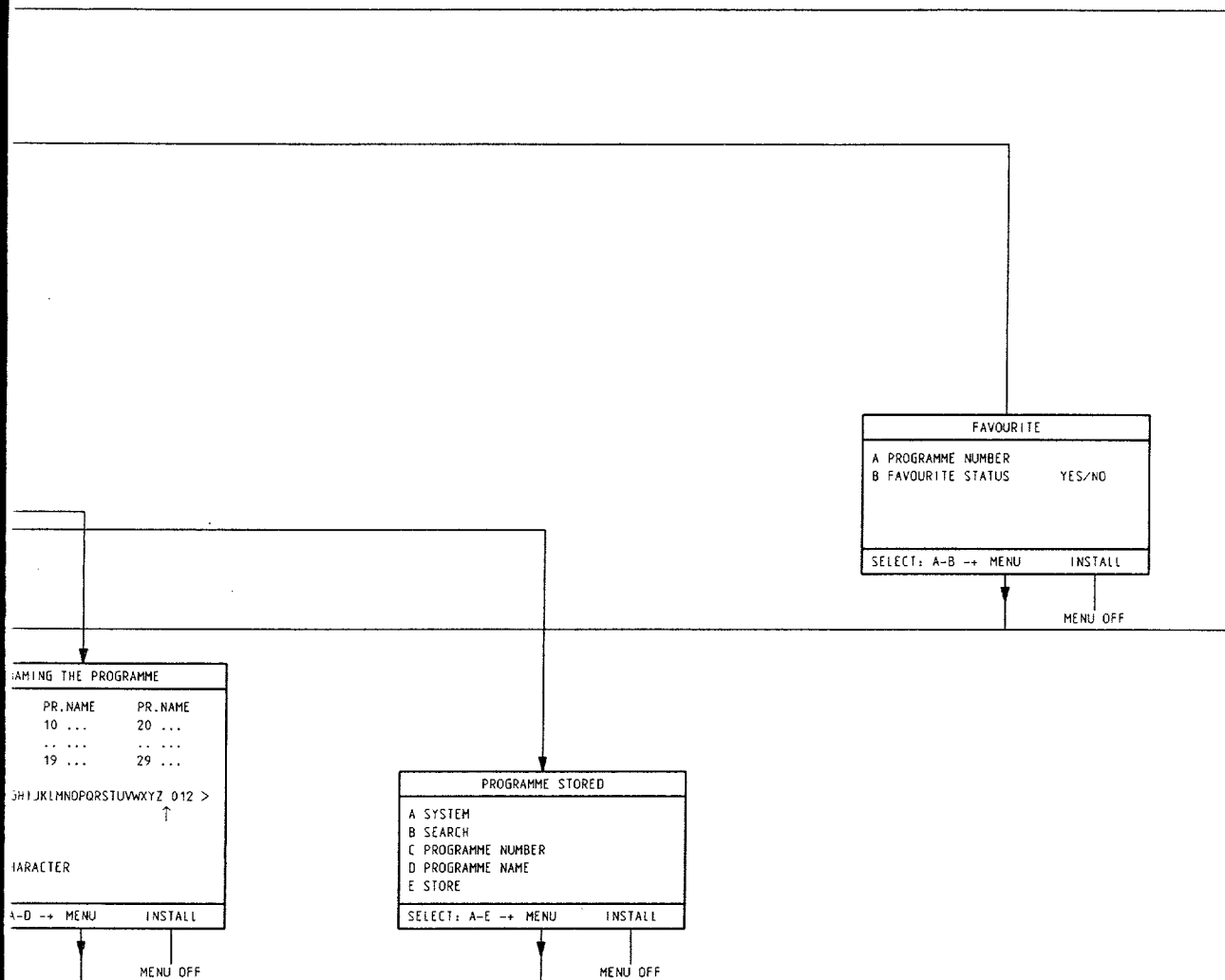
MENU OFF

EXIT MENU BY PRESSING
"INSTALL" ON THE LOCAL KEYBOARD

MENU OFF

K	
I	
<	
ISH	
>	
A-E	MENU INSTALL

MENU OFF



Large signal panel **A B G**

Connectors

4822 265 30525	2P male grey
4822 265 20541	2P male black
4822 265 40469	6P female gold
4822 265 40472	10P female gold
4822 290 40295	7P male
4822 265 40818	8P male
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
4822 264 50149	10P male gold

Various parts

4822 255 40527	insulating plate
4822 492 70143	spring 10 X 33MM
4822 492 62076	spring fix transistor
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 320 11086	focus cable
4822 320 20162	EHT cable
4822 212 23749	SOPS CONTROL
4822 310 81919	SOPS repair kit
1010 4822 212 23892	NTSC ASSY
1200 4822 070 33152	fuse T3,15A
1250 4822 071 52501	fuse T0,25A



2000	4822 122 31773	560pF 5% 50V
2001	4822 122 31784	4,7nF 10% 50V
2002	4822 122 31784	4,7nF 10% 50V
2003	4822 126 11175	22pF 5% 50V
2004	4822 122 32142	270pF 5% 63V
2005	4822 122 32142	270pF 5% 63V
2007	4822 122 31797	22nF 10% 63V
2008	4822 122 31797	22nF 10% 63V
2009	4822 126 11175	22pF 5% 50V
2011	4822 122 31775	680pF 5% 50V
2012	4822 122 32927	220nF
2013	4822 122 32927	220nF
2015	4822 124 42109	22μF 10% 50V
2016	4822 124 42109	22μF 10% 50V
2018	4822 122 31797	22nF 10% 63V
2019	4822 122 31414	10nF 100V
2020	4822 122 31414	10nF 100V
2021	4822 122 31414	10nF 100V
2022	4822 122 31414	10nF 100V
2023	5322 122 33446	3,3nF 10% 63V
2024	5322 122 33446	3,3nF 10% 63V
2025	4822 122 10166	22nF 30% 16V
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
2033	4822 122 10166	22nF 30% 16V
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
2043	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 31773	560pF 5% 50V
2061	4822 122 31773	560pF 5% 50V
2065	4822 126 11156	684nF 20%
2066	4822 126 11156	684nF 20%
2070	4822 124 40272	33μF 20% 16V
2071	4822 124 42184	33μF 20% 25V
2072	4822 124 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
2210	4822 126 11141	2,2nF 10% 1kV
2211	4822 126 11141	2,2nF 10% 1kV
2214	4822 124 23492	220μF 50% 385V
2215	4822 122 33665	3,3nF 20% 125V
2216	4822 126 10202	1,5nF 10% 2kV
2230	4822 122 31784	4,7nF 10% 50V
2231	4822 126 11157	470pF 10% 500V
2232	4822 124 40738	330μF 20% 25V
2233	4822 126 11157	470pF 10% 500V
2234	4822 124 40738	330μF 20% 25V
2235	4822 126 11157	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 5% 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
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF ±0,5pF 50V
2361	4822 121 42589	82nF 5% 63V
2365	5322 122 32838	82nF 10% 63V
2372	5322 121 42502	390nF 5% 63V
2376	4822 124 40272	33μF 20% 16V
2380	4822 122 33496	100nF 10% 63V
2381	4822 122 33496	100nF 10% 63V
2382	4822 122 33496	100nF 10% 63V
2386	5322 122 31647	1nF 10% 63V



2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41576	2,2μF 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	4822 122 32153	1,8nF 10% 63V
2408	4822 122 31168	270pF 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 31211	100pF 10% 500V
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 31771	390pF 5% 50V
2456	4822 124 41334	470μF 20% 35V
2456	4822 124 41747	680μF 20%
2457	4822 124 42251	1,5μF 10% 50V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 32891	68nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2480	4822 124 23495	10μF 20% 25V
2501	4822 122 31961	68pF 5% 63V
2502	4822 121 41689	100nF 10% 250V
2503	4822 126 11157	470pF 10% 500V
2504	4822 126 11495	1nF 10% 2kV
2504	4822 126 11539	1,2nF 10% 2kV
2504	4822 126 11495	1nF 10% 2kV
2509	4822 122 31171	1,2nF 10% 500V
2511	4822 124 41739	47μF 20% 160V
2512	4822 124 40435	10μF 20% 50V
2513	4822 124 40435	10μF 20% 50V
2517	4822 122 31177	470pF 10% 500V
2518	4822 124 22449	4,7μF 30% 350V
2519	4822 124 41831	1μF 20% 160V
2520	4822 121 51528	470nF 5% 250V
2521	4822 121 51563	560nF 5% 250V
2523	5322 121 42523	8,2nF 5% 2kV
2524	4822 121 43915	27nF 5% 630V
2529	4822 124 23491	0,47μF 20% 50V
2530	4822 122 31797	22nF 10% 63V
2531	4822 121 40516	22nF 10% 250V
2533	5322 122 32818	2,2nF 10% 100V
2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000μF 20% 35V
2536	4822 122 31177	470pF 10% 500V
2537	4822 124 40184	1000μF 20% 10V
2541	4822 124 42184	33μF 20% 25V
2542	4822 124 22466	1μF 20% 50V
2543	4822 124 23495	10μF 20% 25V
2546	4822 122 33496	100nF 10% 63V
2547	4822 122 33498	2,7nF 10% 63V
2551	4822 124 40195	150μF 20% 16V
2600	4822 124 41577	4,7μF 20% 50V
2601	4822 122 31797	22nF 10% 63V
2603	4822 122 32891	68nF 10% 63V
2603	4822 122 32542	47nF 10% 63V
2603	4822 122 33496	100nF 10% 63V
2605	4822 122 31781	1500pF 10% 50V
2605	4822 122 33498	2,7nF 10% 63V
2606	4822 122 33496	100nF 10% 63V
2609	4822 121 43396	120nF 5% 63V

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2610	4822 122 32542	47nF 10% 63V
2611	4822 124 41576	2,2μF 20% 50V
2613	5322 124 41431	22μF 20% 35V
2613	4822 124 41577	4,7μF 20% 50V
3000	4822 122 32542	47nF 10% 63V
3001	4822 121 51091	1,2nF 2% 250V
3003	4822 122 32153	1,8nF 10% 63V
3006	4822 122 31168	270pF 10% 500V
3006	4822 122 31797	22nF 10% 63V
3008	4822 121 41854	150nF 5% 63V
3008	4822 121 41854	150nF 5% 63V
3006	4822 122 31211	100pF 10% 500V
3008	4822 122 32542	47nF 10% 63V
3011	4822 122 33496	100nF 10% 63V
3011	4822 122 32808	1,2nF 10% 63V
3012	4822 122 31797	22nF 10% 63V
3013	4822 124 40849	330μF 20% 16V
3014	4822 122 32442	10nF 50V
3016	4822 122 31746	1000pF 5% 50V
3022	4822 124 41716	220μF 20% 35V
3022	4822 122 31771	390pF 5% 50V
3025	4822 124 41334	470μF 20% 35V
3027	4822 124 41747	680μF 20%
3028	4822 124 42251	1,5μF 10% 50V
3028	4822 122 31797	22nF 10% 63V
3030	4822 122 32891	68nF 10% 63V
3031	4822 122 33496	100nF 10% 63V
3032	4822 124 23495	10μF 20% 25V
3033	4822 122 31961	68pF 5% 63V
3034	4822 121 41689	100nF 10% 250V
3035	4822 126 11157	470pF 10% 500V
3037	4822 126 11495	1nF 10% 2kV
3040	4822 126 11539	1,2nF 10% 2kV
3041	4822 126 11495	1nF 10% 2kV
3041	4822 122 31171	1,2nF 10% 500V
3041	4822 124 41739	47μF 20% 160V
3044	4822 124 40435	10μF 20% 50V
3045	4822 124 40435	10μF 20% 50V
3050	4822 122 31177	470pF 10% 500V
3051	4822 124 22449	4,7μF 30% 350V
3052	4822 124 41831	1μF 20% 160V
3052	4822 121 51528	470nF 5% 250V
3054	4822 121 51563	560nF 5% 250V
3060	5322 121 42523	8,2nF 5% 2kV
3065	4822 121 43915	27nF 5% 630V
3066	4822 124 23491	0,47μF 20% 50V
3067	4822 122 31797	22nF 10% 63V
3068	4822 121 40516	22nF 10% 250V
3068	5322 122 32818	2,2nF 10% 100V
3069	4822 126 11502	470pF 10% 500V
3072	4822 124 23488	1000μF

Large signal panel **A B G**

2610	4822 124 41576	2,2μF 20% 50V
2611	4822 124 41576	2,2μF 20% 50V
2613	4822 122 31784	4,7nF 10% 50V
2613	4822 122 31773	560pF 5% 50V



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 10224	220k 2% 0,25W
3009	4822 051 10224	220k 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	8Ω 5% 0,33W
3021	4822 052 10828	8Ω 5% 0,33W
3022	4822 052 10828	8Ω 5% 0,33W
3025	4822 051 10333	33k 2% 0,25W
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
3065	4822 051 10183	18k 2% 0,25W
3066	4822 051 10183	18k 2% 0,25W
3067	4822 116 52296	6k8 5% 0,5W
3068	4822 116 52207	1k2 5% 0,5W
3069	4822 051 10752	7k5 2% 0,25W
3072	4822 051 10479	47Ω 2% 0,25W
3073	4822 116 52257	22k 5% 0,5W
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 40033	NTC/PTC
3204	4822 116 40215	PTC
3209	4822 113 80384	1Q5 10% 7W
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
3215	4822 051 10472	4k7 2% 0,25W
3216	4822 115 90309	56Ω 10% 5W
3239	4822 116 52297	68k 5% 0,5W
3240	4822 116 52234	100k 5% 0,5W
3240	4822 116 52297	68k 5% 0,5W
3241	4822 113 80572	2Q2 10% 5W
3241	4822 113 80584	2Q7 10% 5W
3242	4822 051 10122	1k2 2% 0,25W



3243	4822 116 52229	750Ω 5% 0,5W
3244	4822 116 52211	150Ω 5% 0,5W
3245	4822 116 52229	750Ω 5% 0,5W
3247	4822 051 20222	2k2 5% 0,1W
3248	4822 051 20222	2k2 5% 0,1W
3249	4822 116 52258	220k 5% 0,5W
3250	4822 116 52198	62Ω 5% 0,5W
3251	4822 051 10102	1k 2% 0,25W
3252	4822 116 52258	220k 5% 0,5W
3253	4822 116 82738	10k 10%
3255	4822 116 52243	1k5 5% 0,5W
3266	4822 051 10151	150Ω 2% 0,25W
3267	4822 051 10101	100Ω 2% 0,25W
3268	4822 053 11689	68Ω 5% 2W
3270	4822 051 10118	1Q1 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
3298	4822 051 10479	47Ω 2% 0,25W
3298	4822 051 10569	56Ω 2% 0,25W
3298	4822 051 10689	68Ω 2% 0,25W
3298	4822 051 10821	820Ω 2% 0,25W
3298	4822 051 10122	1k2 2% 0,25W
3298	4822 051 10182	1k8 2% 0,25W
3300	4822 053 10753	75k 5% 1W
3304	4822 051 10473	47k 2% 0,25W
3305	4822 051 10472	4k7 2% 0,25W
3305	4822 051 10332	3k3 2% 0,25W
3306	4822 051 10823	82k 2% 0,25W
3308	4822 053 12151	150Ω 5% 3W
3309	4822 051 10103	10k 2% 0,25W
3310	4822 050 11109	11Ω 1% 0,4W
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 050 11109	11Ω 1% 0,4W
3313	4822 116 52184	18Ω 5% 0,5W
3314	4822 116 52223	430Ω 5% 0,5W
3315	4822 116 52223	430Ω 5% 0,5W
3317	4822 051 10682	6k8 2% 0,25W
3320	4822 051 10471	470Ω 2% 0,25W
3321	4822 051 10471	470Ω 2% 0,25W
3322	4822 051 10471	470Ω 2% 0,25W
3331	4822 116 52267	30k 5% 0,5W
3332	4822 116 52233	10k 5% 0,5W
3351	4822 052 11279	27Ω 5% 0,5W
3356	4822 051 10132	1k3 2% 0,25W
3356	4822 051 10751	750Ω 2% 0,25W
3357	4822 050 13302	3k3 1% 0,4W
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	5322 111 90282	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 52272	330k 5% 0,5W
3410	5322 101 11013	330k 30% LIN
3411	4822 051 10104	100k 2% 0,25W
3411	4822 051 10913	91k 2% 0,25W
3413	4822 051 10101	100Ω 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
3420	4822 050 23905	3M9 1% 0,6W
3421	4822 116 52243	1k5 5% 0,5W
3422	4822 116 81223	1M2 5% 0,5W
3422	4822 116 81783	1M5 5% 0,5W
3424	4822 051 10221	220Ω 2% 0,25W
3426	4822 051 10331	330Ω 2% 0,25W
3428	4822 116 52271	33k 5% 0,5W
3429	4822 116 52269	3k3 5% 0,5W
3430	4822 051 10471	470Ω 2% 0,25W
3437	4822 116 52224	470Ω 5% 0,5W
3438	4822 116 52205	1k1 5% 0,5W
3439	4822 116 52247	16k 5% 0,5W
3441	4822 051 10622	6k2 2% 0,25W
3442	4822 051 10332	3k3 2% 0,25W
3444	4822 051 10103	10k 2% 0,25W
3446	4822 116 52264	27k 5% 0,5W
3450	4822 051 10432	4k3 2% 0,25W
3451	4822 051 10432	4k3 2% 0,25W
3455	4822 051 10471	470Ω 2% 0,25W
3456	4822 051 10124	120k 2% 0,25W
3456	4822 051 10134	130k 2% 0,25W
3457	4822 051 10822	8k2 2% 0,25W
3457	4822 051 10912	9k1 2% 0,25W
3458	4822 116 80676	1Q5 5% 0,2W
3459	4822 116 80676	1Q5 5% 0,2W
3460	4822 053 10271	270Ω 5% 1W
3461	4822 116 80176	1Q 5% 0,5W
3462	4822 116 80176	1Q 5% 0,5W
3463	4822 116 80176	1Q 5% 0,5W
3465	4822 051 10681	680Ω 2% 0,25W
3466	4822 116 52243	1k5 5% 0,5W
3466	4822 116 52263	2k7 5% 0,5W
3466	4822 116 52279	4k3 5% 0,5W
3467	4822 100 20166	10k 30% LIN
3468	4822 053 12221	220Ω 5% 3W
3469	4822 050 11002	1k 1% 0,4W
3469	4822 116 52263	2k7 5% 0,5W
3469	4822 116 52279	4k3 5% 0,5W
3473	4822 116 52253	2k 5% 0,5W
3479	4822 051 10683	68k 2% 0,25W
3480	4822 116 52234	100k 5% 0,5W
3481	4822 051 10102	1k 2% 0,25W
3482	4822 051 10229	22Ω 2% 0,25W
3483	4822 051 10563	56k 2% 0,25W
3484	4822 051 10223	22k 2% 0,25W
3485	4822 051 10102	1k 2% 0,25W

Large signal panel **A B G**

3500	4822 116 80176	1Ω 5% 0,5W
3501	4822 116 52271	33k 5% 0,5W
3502	4822 116 52299	7k5 5% 0,5W
3503	4822 116 52299	7k5 5% 0,5W
3504	4822 053 11108	1Ω 5% 2W
3505	4822 116 52191	33Ω 5% 0,5W
3506	4822 053 11108	1Ω 5% 2W
3507	4822 116 52191	33Ω 5% 0,5W
3508	4822 116 82773	1k8 10% 5W
3509	4822 053 21154	150k 5% 0,5W
3510	4822 053 12331	330Ω 5% 3W
3511	4822 116 52176	10Ω 5% 0,5W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 20166	10k 30% LIN
3514	4822 116 52186	22Ω 5% 0,5W
3515	4822 116 81191	608 5% 0,3W
3516	4822 116 81191	608 5% 0,3W
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 10338	3Ω 5% 0,33W
3521	4822 052 10338	3Ω 5% 0,33W
3524	4822 116 81753	407 5% 0,5W
3527	4822 051 10102	1k 2% 0,25W
3528	4822 116 52229	750Ω 5% 0,5W
3529	4822 051 10104	100k 2% 0,25W
3530	4822 051 10474	470k 2% 0,25W
3531	4822 116 52274	36k 5% 0,5W
3532	4822 116 52211	150Ω 5% 0,5W
3533	4822 116 52211	150Ω 5% 0,5W
3534	4822 052 11278	207 5% 0,5W
3535	4822 052 11278	207 5% 0,5W
3536	4822 116 52221	360Ω 5% 0,5W
3537	4822 116 52186	22Ω 5% 0,5W
3538	4822 116 52241	13k 5% 0,5W
3538	4822 116 52238	12k 5% 0,5W
3540	4822 116 52267	30k 5% 0,5W
3541	4822 116 52285	470k 5% 0,5W
3542	4822 051 10104	100k 2% 0,25W
3543	4822 051 10152	1k5 2% 0,25W
3544	4822 051 10393	39k 2% 0,25W
3545	4822 116 52208	130Ω 5% 0,5W
3547	4822 051 10518	5Ω 1% 0,25W
3548	4822 051 10392	3k9 2% 0,25W
3549	4822 051 10124	120k 2% 0,25W
3550	4822 116 52209	1k3 5% 0,5W
3551	4822 051 10569	56Ω 2% 0,25W
3601	4822 051 10104	100k 2% 0,25W
3601	4822 051 10154	150k 2% 0,25W
3602	4822 100 20166	10k 30% LIN
3603	4822 051 10153	15k 2% 0,25W
3603	4822 051 20183	18k 5% 0,1W
3603	4822 051 10103	10k 2% 0,25W
3603	4822 051 10912	9k1 2% 0,25W
3604	4822 051 10124	120k 2% 0,25W
3604	4822 051 10154	150k 2% 0,25W
3604	4822 051 10134	130k 2% 0,25W
3605	4822 051 10133	13k 2% 0,25W
3605	4822 051 10243	24k 2% 0,25W
3606	4822 051 10333	33k 2% 0,25W
3607	4822 100 11213	22k 30% LIN
3608	4822 051 10102	1k 2% 0,25W
3609	4822 051 10473	47k 2% 0,25W
3610	4822 051 10472	4k7 2% 0,25W
3611	4822 051 20222	2k2 5% 0,1W
3614	4822 051 10152	1k5 2% 0,25W
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 10104	100k 2% 0,25W
3619	4822 051 20222	2k2 5% 0,1W
3620	4822 051 10622	6k2 2% 0,25W
3621	4822 051 10164	160k 2% 0,25W
3622	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 52242	130k 5% 0,5W
3626	4822 116 52265	270k 5% 0,5W
3626	4822 116 52242	130k 5% 0,5W
3626	4822 116 52258	220k 5% 0,5W
3627	4822 051 10103	10k 2% 0,25W
3628	4822 116 52234	100k 5% 0,5W
3629	4822 051 10224	220k 2% 0,25W
3630	4822 051 10104	100k 2% 0,25W
3631	4822 051 10182	1k8 2% 0,25W
3632	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10153	15k 2% 0,25W

Jumpers

9039	4822 051 10333	33k 2% 0,25W
4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4004	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4400	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4412	4822 051 10008	0Ω 5% 0,25W
4413	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4416	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10272	2k7 2% 0,25W
4508	4822 051 10102	1k 2% 0,25W
4530	4822 051 10008	0Ω 5% 0,25W
4531	4822 051 10008	0Ω 5% 0,25W
4533	4822 051 10008	0Ω 5% 0,25W
4534	4822 051 10008	0Ω 5% 0,25W
4541	4822 051 10008	0Ω 5% 0,25W
4552	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W



5202	4822 212 23611	transf. assy CU20D3
5205	4822 212 23611	transf. assy CU20D3
5230	4822 148 81167	SOPS transf.
5230	4822 148 81192	SOPS transf. 33"
5231	4822 526 10494	ferrite bead
5233	4822 526 10494	ferrite bead
5235	4822 526 10494	ferrite bead
5237	4822 526 10494	ferrite bead
5241	4822 157 63249	33μH 10%
5255	4822 148 81225	μSOPS transf.
5260	4822 526 10494	ferrite bead
5262	4822 526 10494	ferrite bead



5308	4822 157 62826	270μH 10%
5308	4822 157 63302	150μH 10% 33"
5310	4822 157 63251	3,9μH 10%
5310	4822 157 63301	1μH 15% 33"
5381	4822 157 52265	100μH 10%
5503	4822 157 63252	line driver
5511	4822 157 52407	39μH 7,5%
5514	4822 157 63256	DC-SHIFT
5520	4822 157 63254	LINEARITY
5521	4822 157 63255	COIL
5524	4822 526 10494	ferrite bead
5526	4822 157 63253	EAST-WEST
5534	5322 157 52539	15μH 7,5%
5543	4822 158 10549	12μH 7,5%
5555	4822 140 10424	L.O.T.



6000	4822 130 80446	LL4148
6001	4822 130 80446	BAS32L
6008	4822 209 73095	P4KE30C-7000
6010	4822 130 80446	LL4148
6011	4822 130 80446	LL4148
6012	4822 130 80446	LL4148
6016	4822 130 80446	LL4148
6021	4822 130 80446	LL4148
6201	4822 130 80446	LL4148
6210	4822 130 33887	GP15J-16
6211	4822 130 33887	GP15J-16
6212	4822 130 33887	GP15J-16
6213	4822 130 33887	GP15J-16
6216	4822 130 42606	BYD33J
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 42488	BYD33D
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	5322 130 31504	BZX79-C20
6308	4822 130 42488	BYD33D
6312	4822 130 42488	BYD33D
6315	4822 130 80446	LL4148
6318	4822 130 80446	LL4148
6319	4822 130 34173	BZX79-C5V6
6321	4822 130 80954	BZV55-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 80886	LLZ-F22
6357	4822 130 80446	LL4148
6370	4822 130 81512	LLZ-C6V2
6371	4822 130 80446	LL4148
6372	4822 130 80446	LL4148

Large



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Large signal panel **A B G**

6373	4822 130 82583	LLZ-C9V1
6375	4822 130 80446	LL4148
6376	4822 130 80922	LLZ-C18
6376	4822 130 81143	BZV55-C20
6403	4822 130 80446	LL4148
6404	4822 130 80446	LL4148
6417	4822 130 81223	LLZ-C2V4
6440	4822 130 80446	LL4148
6441	4822 130 80446	LL4148
6451	5322 130 34834	BZX79-C3V6
6452	4822 130 42488	BYD33D
6465	4822 130 80446	LL4148
6466	4822 130 80446	LL4148
6480	4822 130 31554	BZX79-C4V3
6504	4822 130 42488	BYD33D
6506	4822 130 42488	BYD33D
6515	4822 130 80877	BAV103
6516	4822 130 80877	BAV103
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
6535	4822 130 82512	BYV29F-400
6536	4822 130 82758	BYV29F-300
6542	4822 130 30842	BAV21
6546	4822 130 80446	LL4148
6547	4822 130 80446	LL4148
6551	4822 130 34278	BZX79-B6V8
6553	4822 130 82334	BAS85
6601	4822 130 42488	BYD33D
6629	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
7216	4822 130 62735	BUT12AF
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	5322 130 44647	BC368
7312	4822 130 62955	ON4703-BD437
7318	4822 130 42615	BC817-40
7320	4822 130 82034	CNX83A



7321	4822 130 62742	BD943F
7360	5322 130 42756	BC857C
7369	5322 130 42755	BC847C
7370	5322 130 42755	BC847C
7371	4822 130 42513	BC858C
7380	4822 130 42513	BC858C
7381	5322 130 42136	BC848C
7384	5322 130 42755	BC847C
7385	5322 130 42136	BC848C
7400	4822 209 72363	TDA2579A/N8
7402	5322 130 42136	BC848C
7403	4822 130 42513	BC858C
7407	4822 130 61207	BC848
7417	4822 130 42513	BC858C
7444	5322 130 42136	BC848C
7445	5322 130 42136	BC848C
7450	4822 209 73308	TDA3654Q/N3
7451	5322 130 42012	BC858
7469	4822 130 44104	BC328
7480	4822 130 42513	BC858C
7481	5322 130 42136	BC848C
7504	4822 130 62934	2 x ON4673
7506	4822 130 62934	2 x ON4673
7512	4822 130 44196	BC548C
7513	5322 130 60068	BC558C
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 80669	BD643F
7601	4822 130 61207	BC848
7602	5322 130 42012	BC858
7603	5322 130 42012	BC858
7608	4822 130 44503	BC547C
7610	4822 130 60111	2SA1359
7616	4822 130 61207	BC848
7618	4822 130 61207	BC848

Small signal panel **C D F H**

Connectors

4822 265 40252	7P male
4822 265 40253	8P
4822 265 41113	7P
4822 265 41114	9P
4822 265 41086	9P male
4822 265 41082	10P
4822 290 40295	7P male
4822 267 40648	5P male gold
4822 264 50149	10P male gold
4822 264 40207	3P male
4822 264 50149	10P male gold
4822 265 40442	10P male
4822 264 40207	3P male red
4822 265 20509	2P male
4822 265 30828	5P male brown
4822 265 30899	5P male black
4822 267 40648	5P male gold
4822 265 30437	3P male

Various parts

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 218 21075	keyboard
4822 255 40901	socket 40 POLE
4822 212 23281	IR receiver
4822 210 10409	FQ816ME/IF
4822 210 10416	FQ816MF/IF
4822 210 10412	FQ844
4822 242 80364	filter 4,43MHz
4822 242 70736	crystal 7,159MHz
4822 242 70304	crystal 8,867MHz
4822 242 80276	crystal 10MHz



2100	4822 124 40684	150µF 20% 6,3V
2111	4822 122 32863	22nF 80% 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
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
2188	4822 122 32863	22nF 80% 50V
2189	4822 122 32863	22nF 80% 50V
2190	4822 122 32863	22nF 80% 50V



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
2234	4822 122 32927	220nF
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 126 11492	220nF 10% 50V
2254	4822 122 32927	220nF
2255	4822 124 41643	100µF 20% 16V
2257	4822 122 31947	100nF 20% 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 31774	56pF 5% 50V
2311	4822 122 31765	100pF 5% 50V
2311	4822 122 31808	150pF 10% 50V
2312	4822 122 32863	22nF 80% 50V
2318	4822 121 42408	220nF 5% 63V
2324	4822 122 32863	22nF 80% 50V
2338	4822 122 31972	39pF 5% 50V
2338	4822 122 31772	47pF 5% 50V
2339	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
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	5322 122 31641	47nF 50V
2377	5322 121 42661	330nF 5% 63V
2378	4822 122 31947	100nF 20% 63V
2379	4822 125 50207	33pF trimmer
2380	4822 125 50207	33pF trimmer
2381	5322 121 42661	330nF 5% 63V
2382	5322 122 31647	1nF 10% 63V
2383	4822 122 32442	10nF 50V
2384	5322 122 31647	1nF 10% 63V
2385	4822 122 32442	10nF 50V
2386	4822 122 32862	10nF 80% 50V



2387	4822 124 40435	10µF 20% 50V
2388	5322 122 33446	3,3nF 10% 63V
2390	4822 122 32863	22nF 80% 50V
2391	4822 122 32863	22nF 80% 50V
2392	4822 122 32863	22nF 80% 50V
2395	4822 122 32863	22nF 80% 50V
2396	4822 122 32863	22nF 80% 50V
2397	4822 122 32863	22nF 80% 50V
2398	4822 124 40435	10µF 20% 50V
2399	4822 124 41506	47µF 20% 16V
2400	4822 122 32863	22nF 80% 50V
2433	4822 122 32863	22nF 80% 50V
2434	5322 122 33446	3,3nF 10% 63V
2435	5322 122 33446	3,3nF 10% 63V
2436	4822 122 31961	68pF 5% 63V
2438	4822 122 32863	22nF 80% 50V
2440	4822 122 32863	22nF 80% 50V
2442	4822 122 32863	22nF 80% 50V
2445	4822 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 33105	56nF 10% 63V
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
2620	4822 122 32927	220nF
2621	4822 122 33496	100nF 10% 63V
2622	4822 122 33496	100nF 10% 63V
2622	4822 122 32927	220nF
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

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Small signal panel **C D F H**

2692	4822 122 31981	33nF $\pm 0,5pF$ 50V
2694	4822 122 31916	5,6nF 10% 63V
2696	4822 122 31981	33nF $\pm 0,5pF$ 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	1 μF 20% 63V
2702	4822 124 40242	1 μF 20% 63V
2704	4822 122 31644	2,2nF 10% 63V
2706	5322 124 41431	22 μF 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	22 μF 20% 35V
2721	4822 122 31784	4,7nF 10% 50V
2726	4822 122 31644	2,2nF 10% 63V
2727	4822 124 42362	33 μF 20% 16V
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	100 Ω 5% 0,5W
3103	4822 051 10101	100 Ω 2% 0,25W
3104	4822 116 52175	100 Ω 5% 0,5W
3105	4822 051 10101	100 Ω 2% 0,25W
3113	4822 116 52175	100 Ω 5% 0,5W
3114	4822 116 52175	100 Ω 5% 0,5W
3115	4822 116 52175	100 Ω 5% 0,5W
3116	4822 116 52175	100 Ω 5% 0,5W
3117	4822 051 20222	2k 2% 0,1W
3119	4822 051 20222	2k 2% 0,1W
3120	4822 051 20222	2k 2% 0,1W
3121	4822 051 10123	12k 2% 0,25W
3122	4822 051 10822	8k 2% 0,25W
3123	4822 051 10822	8k 2% 0,25W
3124	4822 051 10101	100 Ω 2% 0,25W
3125	4822 051 10101	100 Ω 2% 0,25W
3126	4822 051 10101	100 Ω 2% 0,25W
3127	4822 051 10101	100 Ω 2% 0,25W
3128	4822 051 10471	470 Ω 2% 0,25W
3129	4822 116 52175	100 Ω 5% 0,5W
3131	4822 116 52175	100 Ω 5% 0,5W
3132	4822 116 52175	100 Ω 5% 0,5W
3133	4822 051 10151	150 Ω 2% 0,25W
3134	4822 116 52175	100 Ω 5% 0,5W
3135	4822 051 10101	100 Ω 2% 0,25W
3136	4822 051 10101	100 Ω 2% 0,25W
3137	4822 116 52183	16 Ω 5% 0,5W
3138	4822 116 52175	100 Ω 5% 0,5W
3139	4822 116 52175	100 Ω 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	5k 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	5k 2% 0,25W
3157	4822 050 11002	1k 1% 0,4W
3158	4822 050 11002	1k 1% 0,4W
3159	4822 051 10103	10k 2% 0,25W
3160	4822 052 10758	70 Ω 5% 0,33W
3160	4822 052 10109	10 Ω 5% 0,33W
3160	4822 116 81203	10 Ω 5% 0,3W
3161	4822 051 10103	10k 2% 0,25W
3162	4822 052 10758	70 Ω 5% 0,33W
3163	4822 051 10223	22k 2% 0,25W
3164	4822 051 10101	100 Ω 2% 0,25W
3165	4822 051 10101	100 Ω 2% 0,25W
3166	4822 052 10228	20 Ω 5% 0,33W
3167	4822 051 10122	1k 2% 0,25W
3168	5322 111 90282	2k 2% 0,25W
3169	4822 050 11002	1k 1% 0,4W
3170	4822 116 82772	30 Ω 5% 0,3W
3171	4822 052 11511	510 Ω 5% 0,5W
3172	4822 052 10229	22 Ω 5% 0,33W
3175	4822 051 10153	15k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3177	4822 051 10103	10k 2% 0,25W
3178	4822 051 10223	22k 2% 0,25W
3180	4822 116 52224	470 Ω 5% 0,5W
3181	4822 051 10822	8k 2% 0,25W
3182	4822 116 52214	200 Ω 5% 0,5W
3183	4822 116 52233	10k 5% 0,5W
3184	4822 051 51201	120 Ω 1% 0,125W
3185	4822 051 10471	470 Ω 2% 0,25W
3186	4822 116 52256	2k 2% 0,5W
3187	4822 051 10759	75 Ω 2% 0,25W
3188	4822 051 20222	2k 2% 0,1W
3189	4822 051 10223	22k 2% 0,25W
3190	4822 051 10823	82k 2% 0,25W
3191	4822 051 56203	62k 1% 0,125W
3192	4822 051 10153	15k 2% 0,25W
3193	4822 051 10331	330 Ω 2% 0,25W
3194	4822 051 10331	330 Ω 2% 0,25W
3196	4822 051 10473	47k 2% 0,25W
3197	4822 051 10473	47k 2% 0,25W
3200	4822 051 10472	4k 2% 0,25W
3201	4822 051 10472	4k 2% 0,25W
3205	4822 051 10759	75 Ω 2% 0,25W
3206	4822 051 10759	75 Ω 2% 0,25W
3207	4822 051 10759	75 Ω 2% 0,25W
3208	4822 051 10101	100 Ω 2% 0,25W
3209	4822 051 10101	100 Ω 2% 0,25W
3210	4822 051 10101	100 Ω 2% 0,25W
3211	4822 116 52217	270 Ω 5% 0,5W
3215	4822 051 10689	68 Ω 2% 0,25W
3216	4822 052 10159	15 Ω 5% 0,33W
3217	4822 116 52224	470 Ω 5% 0,5W
3218	4822 051 10471	470 Ω 2% 0,25W
3219	4822 051 10471	470 Ω 2% 0,25W
3220	4822 051 10471	470 Ω 2% 0,25W
3222	4822 116 52217	270 Ω 5% 0,5W
3224	4822 051 10759	75 Ω 2% 0,25W
3225	4822 051 10471	470 Ω 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75 Ω 2% 0,25W
3235	4822 051 10759	75 Ω 2% 0,25W
3237	4822 116 52217	270 Ω 5% 0,5W
3238	4822 116 52222	390 Ω 5% 0,5W
3239	4822 051 10271	270 Ω 2% 0,25W
3240	4822 051 10759	75 Ω 2% 0,25W



3241	4822 051 10759	75 Ω 2% 0,25W
3242	4822 116 52219	330 Ω 5% 0,5W
3243	4822 051 10152	1k5 2% 0,25W
3244	4822 051 10102	1k 2% 0,25W
3245	4822 051 10474	470k 2% 0,25W
3246	4822 051 10331	330 Ω 2% 0,25W
3247	4822 051 10102	1k 2% 0,25W
3248	4822 051 10681	680 Ω 2% 0,25W
3249	4822 051 10102	1k 2% 0,25W
3251	4822 051 10759	75 Ω 2% 0,25W
3252	4822 051 10759	75 Ω 2% 0,25W
3253	4822 051 10561	560 Ω 2% 0,25W
3253	4822 051 10331	330 Ω 2% 0,25W
3254	4822 052 10159	15 Ω 5% 0,33W
3255	4822 051 10821	820 Ω 2% 0,25W
3259	4822 051 10103	10k 2% 0,25W
3260	4822 052 10159	15 Ω 5% 0,33W
3261	4822 051 10471	470 Ω 2% 0,25W
3262	4822 051 10103	10k 2% 0,25W
3263	4822 051 10689	68 Ω 2% 0,25W
3264	4822 051 10471	470 Ω 2% 0,25W
3265	4822 051 10103	10k 2% 0,25W
3266	4822 051 10103	10k 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W
3268	4822 051 10101	100 Ω 2% 0,25W
3269	4822 051 10561	560 Ω 2% 0,25W
3270	4822 051 10472	4k 2% 0,25W
3271	4822 051 10471	470 Ω 2% 0,25W
3272	4822 116 52228	680 Ω 5% 0,5W
3273	4822 051 10471	470 Ω 2% 0,25W
3274	4822 051 10103	10k 2% 0,25W
3275	4822 051 10689	68 Ω 2% 0,25W
3276	4822 051 10471	470 Ω 2% 0,25W
3277	4822 051 10271	270 Ω 2% 0,25W
3279	4822 051 10689	68 Ω 2% 0,25W
3285	4822 051 10103	10k 2% 0,25W
3286	4822 051 10103	10k 2% 0,25W
3287	4822 051 10103	10k 2% 0,25W
3288	4822 051 10103	10k 2% 0,25W
3300	4822 051 10103	10k 2% 0,25W
3301	4822 051 10332	3k 2% 0,25W
3303	4822 051 10361	360 Ω 2% 0,25W
3304	4822 051 51201	120 Ω 1% 0,125W
3304	4822 051 10101	100 Ω 2% 0,25W
3305	4822 051 10104	100k 2% 0,25W
3306	4822 051 10221	220 Ω 2% 0,25W
3306	4822 051 10241	240 Ω 2% 0,25W
3310	4822 116 52207	1k 2% 0,5W
3311	4822 051 10182	1k 2% 0,25W
3312	4822 051 10511	510 Ω 2% 0,25W
3313	4822 051 10362	3k 2% 0,25W
3314	4822 051 10102	1k 2% 0,25W
3315	4822 051 10103	10k 2% 0,25W
3316	4822 051 10112	1k 2% 0,25W
3317	4822 116 52233	10k 5% 0,5W
3324	4822 051 10223	22k 2% 0,25W
3325	4822 051 10682	6k 2% 0,25W
3326	4822 051 10103	10k 2% 0,25W
3327	4822 051 10122	1k 2% 0,25W
3329	4822 051 10392	3k 2% 0,25W
3329	4822 051 10108	10 Ω 5% 0,25W
3336	4822 051 10472	4k 2% 0,25W
3338	4822 051 10391	390 Ω 2% 0,25W
3339	4822 051 10153	15k 2% 0,25W
3339	4822 051 10391	390 Ω 2% 0,25W
3342	4822 051 20222	2k 2% 0,1W
3344	4822 051 10273	27k 2% 0,25W

Small signal panel **C D F H**

3345	4822 051 10102	1k 2% 0,25W
3350	4822 051 51201	120Ω 1% 0,125W
3351	4822 051 10472	4k7 2% 0,25W
3353	4822 051 10332	3k3 2% 0,25W
3360	4822 052 10278	207 5% 0,33W
3361	4822 051 10102	1k 2% 0,25W
3369	4822 051 10331	330Ω 2% 0,25W
3370	4822 100 11391	330Ω 30% LIN
3371	4822 051 10431	430Ω 2% 0,25W
3372	4822 051 10331	330Ω 2% 0,25W
3375	4822 051 10008	0Ω 5% 0,25W
3376	4822 116 52286	5k1 5% 0,5W
3377	4822 051 10103	10k 2% 0,25W
3377	4822 051 10682	6k8 2% 0,25W
3380	4822 050 11002	1k 1% 0,4W
3382	4822 051 20222	2k2 5% 0,1W
3383	4822 051 10333	33k 2% 0,25W
3385	4822 051 10105	1M 5% 0,25W
3387	4822 050 11002	1k 1% 0,4W
3389	4822 051 10182	1k8 2% 0,25W
3390	4822 051 10821	820Ω 2% 0,25W
3391	4822 051 20222	2k2 5% 0,1W
3392	4822 051 10101	100Ω 2% 0,25W
3393	4822 051 10101	100Ω 2% 0,25W
3394	4822 051 10101	100Ω 2% 0,25W
3395	4822 051 10471	470Ω 2% 0,25W
3396	4822 051 20222	2k2 5% 0,1W
3397	4822 052 10249	24Ω 5% 0,33W
3398	4822 116 52175	100Ω 5% 0,5W
3399	4822 116 52175	100Ω 5% 0,5W
3410	4822 116 52224	470Ω 5% 0,5W
3425	4822 116 52224	470Ω 5% 0,5W
3426	4822 116 52224	470Ω 5% 0,5W
3450	4822 051 20222	2k2 5% 0,1W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 051 10511	510Ω 2% 0,25W
3454	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10101	100Ω 2% 0,25W
3465	4822 050 11002	1k 1% 0,4W
3471	4822 116 52233	10k 5% 0,5W
3472	4822 051 10682	6k8 2% 0,25W
3473	4822 051 10362	3k6 2% 0,25W
3474	4822 051 10101	100Ω 2% 0,25W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52286	5k1 5% 0,5W
3478	4822 116 52175	100Ω 5% 0,5W
3478	4822 116 52224	470Ω 5% 0,5W
3479	4822 051 10223	22k 2% 0,25W
3480	4822 052 10278	207 5% 0,33W
3481	4822 052 10278	207 5% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3488	4822 051 20222	2k2 5% 0,1W
3492	4822 051 10471	470Ω 2% 0,25W
3590	4822 051 10101	100Ω 2% 0,25W
3600	4822 051 10362	3k6 2% 0,25W
3600	4822 051 10472	4k7 2% 0,25W
3602	4822 100 11212	2k2 30% LIN
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3607	4822 051 10302	3k 2% 0,25W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W



3612	4822 051 10102	1k 2% 0,25W
3620	4822 051 10183	18k 2% 0,25W
3622	4822 051 10183	18k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10183	18k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10183	18k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10183	18k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10183	18k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10183	18k 2% 0,25W
3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10183	18k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 052 10159	15Ω 5% 0,33W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W
3682	4822 051 10568	5Ω 6% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 052 10109	10Ω 5% 0,33W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω 2% 0,25W
3720	4822 052 10109	10Ω 5% 0,33W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω 2% 0,25W
3998	4822 051 10151	150Ω 2% 0,25W
3998	4822 051 10181	180Ω 2% 0,25W
3998	4822 051 10221	220Ω 2% 0,25W
3998	4822 051 10332	3k3 2% 0,25W
3998	4822 051 10393	39k 2% 0,25W
3998	4822 051 10473	47k 2% 0,25W
3998	4822 051 10563	56k 2% 0,25W
3998	4822 051 10333	33k 2% 0,25W

Jumpers

4066	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W

Jumpers

4112	4822 051 10008	0Ω 5% 0,25W
4114	4822 051 10008	0Ω 5% 0,25W
4115	4822 051 10008	0Ω 5% 0,25W
4120	4822 051 10008	0Ω 5% 0,25W
4127	4822 051 10008	0Ω 5% 0,25W
4130	4822 051 10008	0Ω 5% 0,25W
4148	4822 051 10008	0Ω 5% 0,25W
4161	4822 051 10008	0Ω 5% 0,25W
4164	4822 051 20008	0Ω 5% 0,1W
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
4220	4822 051 10008	0Ω 5% 0,25W
4234	4822 051 10008	0Ω 5% 0,25W
4237	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
4280	4822 051 10008	0Ω 5% 0,25W
4300	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
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4346	4822 051 10008	0Ω 5% 0,25W
4360	4822 051 10008	0Ω 5% 0,25W
4361	4822 051 10008	0Ω 5% 0,25W
4376	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4386	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4453	4822 051 10008	0Ω 5% 0,25W
4454	4822 051 10008	0Ω 5% 0,25W
4460	4822 051 10008	0Ω 5% 0,25W
4498	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%
5115	4822 152 20677	10μH 10%
5270	4822 157 52983	22μH 10%
5303	4822 157 63065	0,68μH 20%
5304	4822 157 63065	0,68μH 20%
5305	4822 157 62823	26μH 6%
5310	4822 157 63245	82μH 10%
5345	4822 157 62822	4,5μH 6%
5346	4822 157 62823	26μH 6%
5370	4822 157 62824	7,5μH 6%
5403	4822 157 63065	0,68μH 20%
5403	4822 157 53302	1μH 20%
5404	4822 157 63065	0,68μH 20%
5404	4822 157 53302	1μH 20%
5454	4822 157 63065	0,68μH 20%

5455
54566117
6120
6121
6163
61656166
6168
6172
6173
6178
6205
6206
6207
6256
62576280
62816342
63436386
63876450
64656478
64796480
66106660
66616662
66636664
66657119
71207121
73657130
71377175
71767177
71787182
71837186
71887193
71937216
72197243
72447258
72607261
72657268
7270

Small signal panel **C D F H**



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
6165	4822 130 80446	BAS32L
6166	4822 130 80446	BAS32L
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 80446	BAS32L
6206	4822 130 80446	BAS32L
6207	4822 130 80446	BAS32L
6256	4822 130 80446	BAS32L
6257	4822 130 80446	BAS32L
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
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6610	4822 130 30621	1N4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4
6664	4822 130 80446	LL4148
6665	4822 130 80446	LL4148



7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	4822 130 42513	BC858C
7365	4822 209 30837	TDA4650/V4/S1
7130	5322 130 42136	BC848C
7137	4822 209 71521	X2404
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 83163	LM833N
7193	4822 209 61115	LF353N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
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
7364	4822 209 30389	TDA4510/V8
7365	4822 209 30837	TDA4650/V4/S1
7366	4822 209 63108	TDA4660/V2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7410	4822 209 73852	PMBT2369
7430	4822 209 63733	TDA4680/V5
7450	5322 130 42136	BC848C
7450	5322 130 42755	BC847C
7451	5322 130 42136	BC848C
7451	5322 130 42755	BC847C
7471	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7492	5322 130 42136	BC848C
7600	4822 209 63967	TDA8417/V2
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 83163	LM833N
7635	4822 209 83163	LM833N
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

High end-box **L M**

Connectors

4822 267 70257	IC socket 48P
4822 255 40901	IC socket 40P
4822 267 60252	IC socket 24P
4822 267 50885	IC socket 16P
4822 265 40472	10p gold plated

Various

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



2100	4822 122 32999	2,2nF 5% 63V
2101	4822 122 32999	2,2nF 5% 63V
2102	4822 122 31825	27pF 10% 50V
2103	4822 122 31825	27pF 10% 50V
2104	4822 124 40435	10µF 20% 50V
2105	4822 122 33496	100nF 10% 63V
2106	4822 122 33496	2,7nF 10% 63V
2107	4822 124 41715	220µF 20% 6,3V
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
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 31772	47pF 5% 50V
2140	4822 122 31772	47pF 5% 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 31965	220pF 5% 63V
2149	4822 122 31965	220pF 5% 63V
2150	5322 121 42661	330nF 5% 63V
2151	4822 122 31971	10pF 10% 50V
2152	4822 122 31774	56pF 5% 50V
2153	4822 126 11492	220nF 10% 50V
2154	4822 122 33496	100nF 10% 63V
2155	4822 122 31972	39pF 5% 50V
2156	4822 122 31808	150pF 10% 50V
2157	4822 122 31808	150pF 10% 50V



2158	4822 122 33496	100nF 10% 63V
2159	4822 122 32444	33pF 5% 50V
2160	4822 122 31808	150pF 10% 50V
2161	4822 122 31808	150pF 10% 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 31772	47pF 5% 50V
2167	4822 122 31772	47pF 5% 50V
2168	4822 122 31772	47pF 5% 50V
2169	4822 124 41643	100µF 20% 16V
2170	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 31768	180pF 5% 50V
2180	4822 122 31768	180pF 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 41715	220µF 20% 6,3V
2188	4822 122 32999	2,2nF 5% 63V
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
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 32142	270pF 5% 63V
2229	4822 122 33496	100nF 10% 63V
2230	4822 122 32142	270pF 5% 63V
2233	4822 122 31765	100pF 5% 50V
2235	4822 122 33498	2,7nF 10% 63V
2236	4822 122 32891	68nF 10% 63V
2237	4822 122 33496	100nF 10% 63V
2250	4822 122 33496	100nF 10% 63V
2251	4822 124 41554	220µF 20% 10V
2252	4822 122 33496	100nF 10% 63V



2253	4822 121 51252	470nF 5% 63V
2254	4822 121 51252	470nF 5% 63V
2255	4822 122 33496	100nF 10% 63V
2256	4822 122 31965	220pF 5% 63V
2257	4822 122 31965	220pF 5% 63V
2258	4822 122 31769	18pF 5% 50V
2259	4822 122 31774	56pF 5% 50V
2260	4822 122 31774	56pF 5% 50V
2261	4822 122 33496	100nF 10% 63V
2262	4822 124 41643	100µF 20% 16V
2265	4822 124 41643	100µF 20% 16V
2266	4822 126 11725	1µF 20% 50V
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 41506	47µF 20% 16V
2275	4822 122 33496	100nF 10% 63V
2276	4822 122 33496	100nF 10% 63V
2277	4822 124 41506	47µF 20% 16V
2286	4822 122 31765	100pF 5% 50V
2287	4822 122 31765	100pF 5% 50V
2289	5322 122 32269	6,8pF 5% 50V
2291	5322 122 32269	6,8pF 5% 50V
2292	4822 124 41643	100µF 20% 16V
2293	5322 122 32269	6,8pF 5% 50V
2294	4822 122 31769	18pF 5% 50V
2295	5322 122 32269	6,8pF 5% 50V
2296	4822 122 31769	18pF 5% 50V
2297	5322 122 32269	6,8pF 5% 50V
2298	4822 122 31769	18pF 5% 50V
2299	5322 122 32269	6,8pF 5% 50V
2301	4822 122 33496	100nF 10% 63V
2302	4822 122 33496	100nF 10% 63V
2303	4822 122 33496	100nF 10% 63V
2304	4822 122 32442	10nF 50V
2305	4822 122 32442	10nF 50V
2306	4822 122 32442	10nF 50V
2307	4822 122 33496	100nF 10% 63V
2308	4822 122 33496	100nF 10% 63V
2309	4822 122 33496	100nF 10% 63V
2310	4822 124 41997	470µF 20% 10V
2311	4822 124 41506	47µF 20% 16V
2312	4822 122 31769	18pF 5% 50V



3000	4822 116 52186	22Ω 5% 0,5W
3000	4822 116 52188	27Ω 5% 0,5W
3001	4822 051 10102	1k 2% 0,25W
3001	4822 051 10122	1k2 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 10181	180Ω 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	10k 2% 0,25W
3114	4822 051 10104	100k 2% 0,25W
3119	4822 051 10152	1k5 2% 0,25W

High



3120	3127
3121	3133
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High end-box **L** **M**

											
5% 63V	3120	4822 051 10332	3k3 2% 0,25W	3220	4822 051 10473	47k 2% 0,25W		5202	4822 157 52138	27μH 10%	
5% 63V	3121	4822 051 10472	4k7 2% 0,25W	3221	4822 051 10181	180Ω 2% 0,25W		5251	4822 157 60147	2,2μH	
10% 63V	3122	4822 051 10473	47k 2% 0,25W	3222	4822 051 10683	68k 2% 0,25W		5252	4822 157 60147	2,2μH	
5% 63V	3123	4822 051 10122	1k2 2% 0,25W	3223	4822 051 10102	1k 2% 0,25W					
5% 63V	3124	4822 051 10101	100Ω 2% 0,25W	3224	4822 051 20222	2k2 5% 0,1W					
% 50V	3126	4822 051 10272	2k7 2% 0,25W	3225	4822 051 10221	220Ω 2% 0,25W					
% 50V	3127	4822 051 10221	220Ω 2% 0,25W	3226	4822 051 10681	680Ω 2% 0,25W		6102	5322 130 80119	BBY40	
% 50V	3131	4822 051 10109	10Ω 2% 0,25W	3227	4822 051 10221	220Ω 2% 0,25W		6103	5322 130 80119	BBY40	
10% 63V	3132	4822 051 10152	1k5 2% 0,25W	3228	4822 100 11483	10k 30% LIN		6150	4822 130 82914	DIODE	
20% 16V	3133	4822 051 10101	100Ω 2% 0,25W	3230	4822 051 10562	5k6 2% 0,25W		6160	4822 130 80446	LL4148	
20% 16V	3134	4822 051 10221	220Ω 2% 0,25W	3231	4822 051 20222	2k2 5% 0,1W		6200	4822 130 80884	LLZ-C5V1	
% 50V	3135	4822 051 10272	2k7 2% 0,25W	3232	4822 051 10102	1k 2% 0,25W		6201	4822 130 31253	BZX55-C2V4	
10V	3136	4822 116 81193	15Ω 5% 0,3W	3251	4822 051 10393	39k 2% 0,25W		6202	4822 130 80446	LL4148	
10% 63V	3137	4822 051 10223	22k 2% 0,25W	3252	4822 051 10751	750Ω 2% 0,25W		6250	4822 130 33706	BZX84-B5V1	
10% 63V	3138	4822 051 10124	120k 2% 0,25W	3253	4822 051 10751	750Ω 2% 0,25W		6251	4822 130 80446	LL4148	
10% 63V	3139	4822 051 10101	100Ω 2% 0,25W	3254	4822 051 10221	220Ω 2% 0,25W					
10% 63V	3140	4822 051 10224	220k 2% 0,25W	3255	4822 051 10471	470Ω 2% 0,25W		7100	4822 130 61207	BC848	
10% 6,3V	3141	4822 051 10223	22k 2% 0,25W	3256	4822 051 10681	680Ω 2% 0,25W		7101	5322 130 42136	BC848C	
1% 16V	3142	4822 051 10104	100k 2% 0,25W	3260	4822 051 10822	8k2 2% 0,25W		7103	5322 130 42012	BC858	
0% 63V	3143	4822 051 10104	100k 2% 0,25W	3261	4822 051 10472	4k7 2% 0,25W		7104	4822 130 61207	BC848	
0% 63V	3144	4822 051 10272	2k7 2% 0,25W	3262	4822 111 41424	22Ω 5% 0,3W		7105	5322 130 42012	BC858	
0% 16V	3145	4822 051 10759	75Ω 2% 0,25W	3274	4822 051 10223	22k 2% 0,25W		7106	4822 130 61207	BC848	
0% 50V	3146	4822 051 20222	2k2 5% 0,1W	3275	4822 051 10102	1k 2% 0,25W		7107	4822 130 61207	BC848	
0% 50V	3147	4822 051 10279	27Ω 2% 0,25W	3276	4822 051 10392	3k9 2% 0,25W		7108	4822 130 40938	BC548	
0% 50V	3148	4822 051 10479	47Ω 2% 0,25W	3279	4822 051 10122	1k2 2% 0,25W		7109	5322 130 42012	BC858	
% 50V	3151	4822 051 10102	1k 2% 0,25W	3280	4822 051 10102	1k 2% 0,25W		7110	5322 130 42012	BC858	
0% 16V	3152	4822 051 10621	620Ω 2% 0,25W	3281	4822 051 20222	2k2 5% 0,1W		7111	4822 130 61207	BC848	
% 50V	3153	4822 051 10122	1k2 2% 0,25W	3290	4822 051 10561	560Ω 2% 0,25W		7112	5322 130 42012	BC858	
6 50V	3155	4822 051 10271	270Ω 2% 0,25W	3291	4822 051 10561	560Ω 2% 0,25W		7113	5322 130 42012	BC858	
% 50V	3156	4822 051 10102	1k 2% 0,25W	3292	4822 051 10561	560Ω 2% 0,25W		7116	4822 130 42131	BF550	
6 50V	3157	4822 051 10151	150Ω 2% 0,25W	3293	4822 051 10561	560Ω 2% 0,25W		7117	4822 130 42131	BF550	
% 50V	3158	4822 051 10331	330Ω 2% 0,25W	3296	4822 051 55601	560Ω 1% 0,25W		7119	5322 130 42136	BC848C	
6 50V	3159	4822 051 20222	2k2 5% 0,1W	3297	4822 051 52611	261Ω 1% 0,25W		7120	5322 130 42136	BC848C	
% 50V	3160	4822 051 10241	240Ω 2% 0,25W	3298	4822 051 10102	1k 2% 0,25W		7121	5322 130 42136	BC848C	
0% 63V	3161	4822 051 10221	220Ω 2% 0,25W	3299	4822 051 10102	1k 2% 0,25W		7122	5322 130 42136	BC848C	
0% 63V	3162	4822 051 10102	1k 2% 0,25W	3301	4822 051 10339	33Ω 2% 0,25W		7123	4822 130 42513	BC858C	
0% 63V	3163	4822 051 10332	3k3 2% 0,25W	3302	4822 051 10339	33Ω 2% 0,25W		7124	5322 130 42136	BC848C	
1V	3164	4822 051 20222	2k2 5% 0,1W	3303	4822 051 10339	33Ω 2% 0,25W		7125	5322 130 42136	BC848C	
1V	3165	4822 051 10332	3k3 2% 0,25W	3304	4822 051 10109	10Ω 2% 0,25W		7156	4822 130 61207	BC848	
1V	3166	4822 051 20222	2k2 5% 0,1W	3310	4822 051 10912	9k1 2% 0,25W		7157	4822 130 61207	BC848	
0% 63V	3168	4822 051 10221	220Ω 2% 0,25W	3320	4822 051 10008	0Ω 5% 0,25W		7159	4822 130 61207	BC848	
0% 63V	3169	4822 051 10105	1M 5% 0,25W	3321	4822 051 10008	0Ω 5% 0,25W		7160	5322 130 42012	BC858	
0% 63V	3170	4822 051 10102	1k 2% 0,25W	3322	4822 051 10008	0Ω 5% 0,25W		7170	4822 130 42513	BC858C	
0% 10V	3171	4822 051 10102	1k 2% 0,25W					7200	4822 209 63645	SAA5231/V7	
0% 16V	3172	4822 051 51102	1k1 1% 0,125W					7201	4822 209 63902	SAA9042P/A	
6 50V	3173	4822 051 10102	1k 2% 0,25W					7202	4822 209 63893	LH2464-10	
	3174	4822 051 10102	1k 2% 0,25W					7203	4822 209 63423	TDA2579B/N2	
0,5W	3175	4822 051 10683	68k 2% 0,25W					7204	4822 209 30868	PCF80C51BH-3P	
0,5W	3176	4822 051 10103	10k 2% 0,25W					7205	4822 209 63892	UPD91237C	
0,25W	3178	4822 051 10103	10k 2% 0,25W					7206	4822 209 82341	PC74HCT04P	
0,25W	3198	4822 051 10008	0Ω 5% 0,25W					7207	4822 209 82341	PC74HCT04P	
0,1W	3200	4822 111 41423	18Ω 5% 0,3W					7209	4822 209-83163	LM833N	
0,1W	3202	4822 051 10101	100Ω 2% 0,25W		5040	4822 157 52983	22μH 10%	7210	4822 209 63894	PC74HCT4066P	
0,25W	3203	4822 051 10101	100Ω 2% 0,25W		5041	4822 157 52983	22μH 10%	7211	4822 209 30913	TDA8703/C4	
0,25W	3204	4822 051 10103	10k 2% 0,25W		5100	4822 157 63246	6μH	7212	4822 209 30913	TDA8703/C4	
0,25W	3205	4822 051 10102	1k 2% 0,25W		5101	4822 157 63247	1,4μH	7213	4822 209 30913	TDA8703/C4	
0,25W	3206	4822 051 10332	3k3 2% 0,25W		5102	4822 157 52403	3,3μH 10%	7214	5322 209 11588	PC74HCT195P	
% 0,25W	3207	4822 051 10104	100k 2% 0,25W		5103	4822 157 60147	2,2μH	7215	5322 209 11588	PC74HCT195P	
0,25W	3208	4822 051 10102	1k 2% 0,25W		5104	4822 157 60147	2,2μH	7216	5322 209 11588	PC74HCT195P	
0,25W	3209	4822 051 10562	5k6 2% 0,25W		5105	4822 157 60147	2,2μH	7217	5322 209 11588	PC74HCT195P	
0,25W	3210	4822 111 41424	22Ω 5% 0,3W		5106	4822 157 60147	2,2μH	7218	4822 209 72042	MC78L05ACP	
% 0,25W	3211	4822 051 10229	22Ω 2% 0,25W		5107	4822 157 60147	2,2μH	7250	4822 209 60525	TMS4C1050-3N	
0,25W	3212	4822 051 10122	1k2 2% 0,25W		5108	4822 157 60147	2,2μH	7251	4822 209 60525	TMS4C1050-3N	
0,25W	3213	4822 051 10561	560Ω 2% 0,25W		5109	4822 157 60147	2,2μH	7252	4822 209 60525	TMS4C1050-3N	
0,25W	3214	4822 051 10303	30k 2% 0,25W		5150	4822 157 52224	15μH 10%	7253	4822 209 63891	SDA9060	
0,25W	3215	4822 051 10102	1k 2% 0,25W		5151	4822 157 60498	56μH 10%	7254	4822 209 63897	TDA4563/V5	
0,25W	3216	4822 051 10562	5k6 2% 0,25W		5152	4822 157 60498	56μH 10%				
6 0,25W	3217	4822 051 10101	100Ω 2% 0,25W		5201	4822 157 52224	15μH 10%				
0,25W	3218	4822 051 10155	1M5 5% 0,25W								

PIP panel

Connectors

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

Various parts

1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867MHz
1212	4822 242 70736	crystal 7,159MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962



2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8µF 20% 50V
2232	4822 124 41678	22µF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8µF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
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
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
2397	4822 122 32927	220nF



2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470µF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10µF 20% 50V
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



3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5% 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 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 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 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω 6% 0,33W
3354	4822 051 10271	270Ω 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
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 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 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

PIP panel

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3997	
Jumpers	
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PIP panel



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	105 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 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	506 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 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
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
4027	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
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	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

Jumpers

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
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W



5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%



6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148



7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
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
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

Picture tube panel **E**

Connectors

4822 265 20509	2P male grey
4822 265 40596	2P male
4822 267 40985	6P male black
4822 290 40295	7P male grey

Various parts

4822 492 70788	spring fix IC
4822 255 70261	picture tube socket
1030 4822 212 23711	PTP 25"-28"
1030 4822 212 23953	PIP 33"



2700	4822 122 33496	100nF 10% 63V
2701	4822 122 32507	6,8pF 5% 50V
2703	4822 122 33125	180pF 10% 63V
2704	4822 124 42182	3,3μF 20% 250V
2705	4822 124 40272	33μF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 51562	33nF 10% 1600V
2708	5322 122 31842	330pF 5% 63V
2709	4822 122 31825	27pF 10% 50V
2710	4822 122 31774	56pF 5% 50V
2711	4822 122 32507	6,8pF 5% 50V
2712	4822 126 11175	22pF 5% 50V
2713	4822 121 41156	68nF 10% 250V
2715	4822 121 41156	68nF 10% 250V
2716	4822 122 31797	22nF 10% 63V
2717	4822 121 41156	68nF 10% 250V
2720	4822 122 31774	56pF 5% 50V
2721	4822 122 32507	6,8pF 5% 50V
2726	4822 122 31797	22nF 10% 63V
2730	4822 122 31774	56pF 5% 50V
2731	5322 122 31647	1nF 10% 63V
2741	5322 122 31647	1nF 10% 63V
2751	5322 122 31647	1nF 10% 63V
2760	4822 122 31174	2,7nF 10% 500V



3537	4822 052 11128	10Ω 5% 0,5W
3700	4822 051 10182	1k8 2% 0,25W
3701	4822 051 10101	100Ω 2% 0,25W
3702	4822 051 10102	1k 2% 0,25W
3704	4822 051 10272	2k7 2% 0,25W
3705	4822 051 10332	3k3 2% 0,25W
3706	4822 050 21504	150k 1% 0,6W
3708	4822 111 50518	1k5 5% 0,5W
3710	4822 051 10008	0Ω 5% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W
3712	4822 051 10272	2k7 2% 0,25W
3714	4822 051 10272	2k7 2% 0,25W
3715	4822 051 10332	3k3 2% 0,25W
3716	4822 050 21504	150k 1% 0,6W
3718	4822 111 50518	1k5 5% 0,5W
3719	4822 051 10008	0Ω 5% 0,25W
3720	4822 051 10823	82k 2% 0,25W
3721	4822 051 10101	100Ω 2% 0,25W
3724	4822 051 10272	2k7 2% 0,25W
3725	4822 051 10332	3k3 2% 0,25W
3726	4822 050 21204	120k 1% 0,6W
3727	4822 111 50518	1k5 5% 0,5W
3728	4822 111 50518	1k5 5% 0,5W
3730	4822 111 50518	1k5 5% 0,5W
3731	4822 052 10279	27Ω 5% 0,33W



3733	4822 052 10189	18Ω 5% 0,33W
3734	4822 051 10114	110k 2% 0,25W
3735	4822 051 10103	10k 2% 0,25W
3736	4822 051 10333	33k 2% 0,25W
3737	4822 051 10203	20k 2% 0,25W
3738	4822 116 52304	82k 5% 0,5W
3739	4822 116 52188	27Ω 5% 0,5W
3739	4822 116 52193	39Ω 5% 0,5W
3740	4822 051 10114	110k 2% 0,25W
3741	4822 051 10124	120k 2% 0,25W
3742	4822 051 10333	33k 2% 0,25W
3743	4822 051 10333	33k 2% 0,25W
3761	4822 051 10152	1k5 2% 0,25W
3761	4822 051 10332	3k3 2% 0,25W

Jumpers

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4709	4822 051 10008	0Ω 5% 0,25W
4714	4822 051 10008	0Ω 5% 0,25W
4743	4822 051 10008	0Ω 5% 0,25W



5700	4822 157 60155	33μH 7,5%
5701	4822 157 60155	33μH 7,5%



6700	4822 130 80879	LLZ-C3V0
6701	4822 130 80877	BAV103
6702	4822 130 80877	BAV103
6703	4822 130 80877	BAV103
6704	4822 130 80877	BAV103
6705	4822 130 80877	BAV103
6706	4822 130 80877	BAV103
6707	4822 130 82345	LLZ-C22
6708	4822 130 30842	BAV21
6709	4822 130 30842	BAV21
6711	4822 130 30842	BAV21
6712	4822 130 80877	BAV103
6713	4822 130 80877	BAV103
6714	4822 130 32896	BYD33M
6715	4822 130 82969	BZD23-C24



7704	4822 130 60373	BC856B
7705	4822 209 63898	TDA6111Q/N1
7705	4822 209 30417	TDA6111Q/N2
7706	4822 209 63898	TDA6111Q/N1
7706	4822 209 30417	TDA6111Q/N2
7707	4822 209 63898	TDA6111Q/N1
7707	4822 209 30417	TDA6111Q/N2
7708	4822 130 41646	BF423
7709	4822 130 41646	BF423
7710	4822 130 41646	BF423

NICAM sound module **K**

Connectors

4822 265 41087 9P male

Various parts

1001 4822 242 81128 cryst. 17.470MHz
 1002 4822 242 72301 filter TH316BOM - 20800DAF
 1002 4822 242 72303 filter TH316BQM
 1003 4822 242 81126 cryst. 11.170MHz
 1003 4822 242 81127 cryst. 13.100MHz
 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



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 10103 10k 2% 0,25W
 3099 4822 051 10101 100Ω 2% 0,25W
 3099 4822 116 90536 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

Y/C detector I

Connectors

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



6258 4822 130 80905 LLZ-F5V1

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%



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