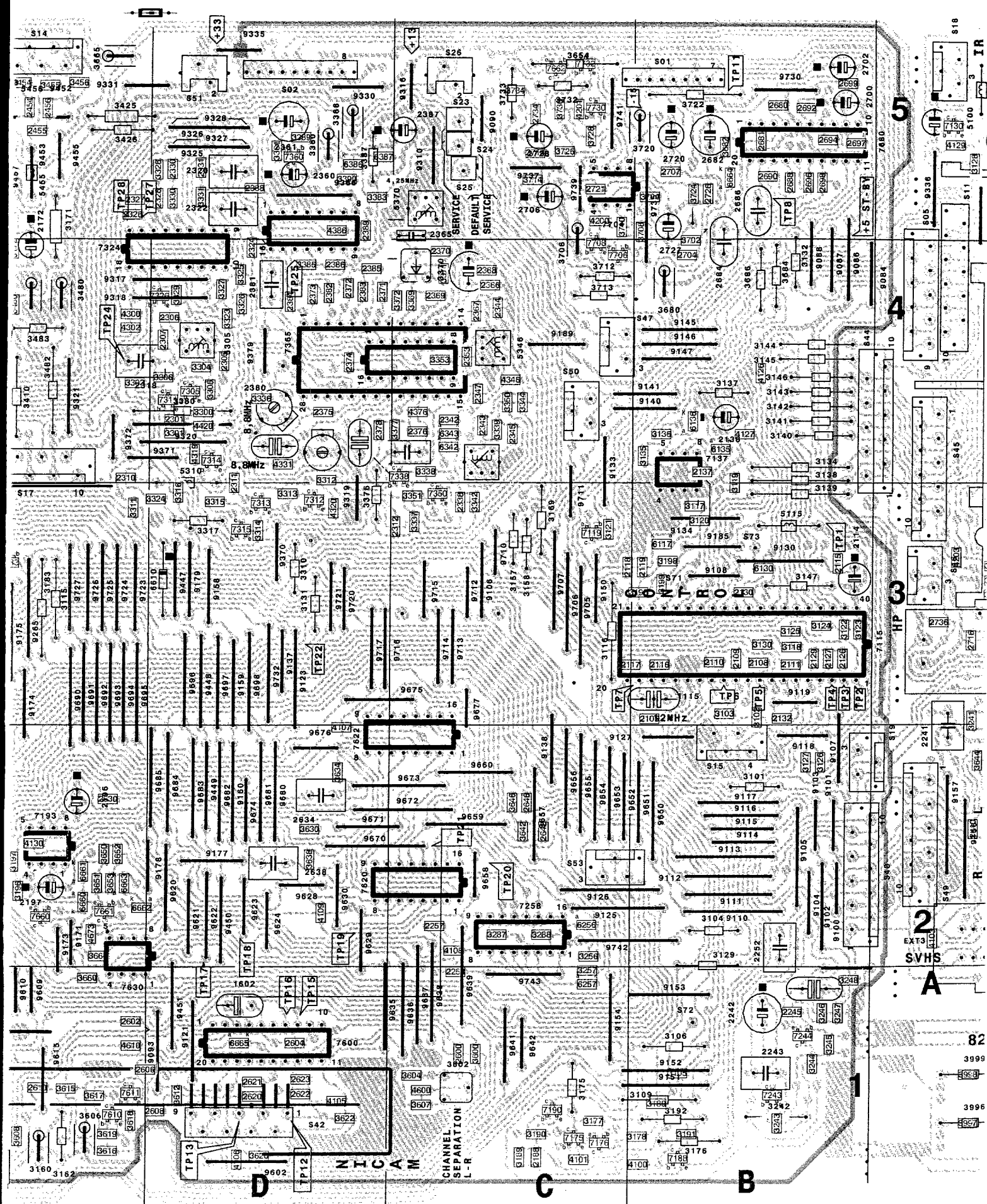
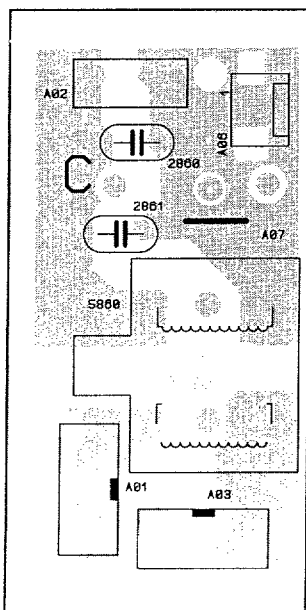
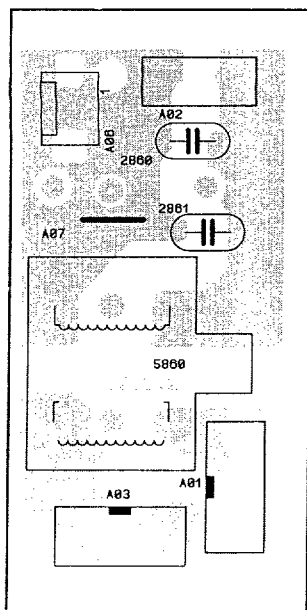
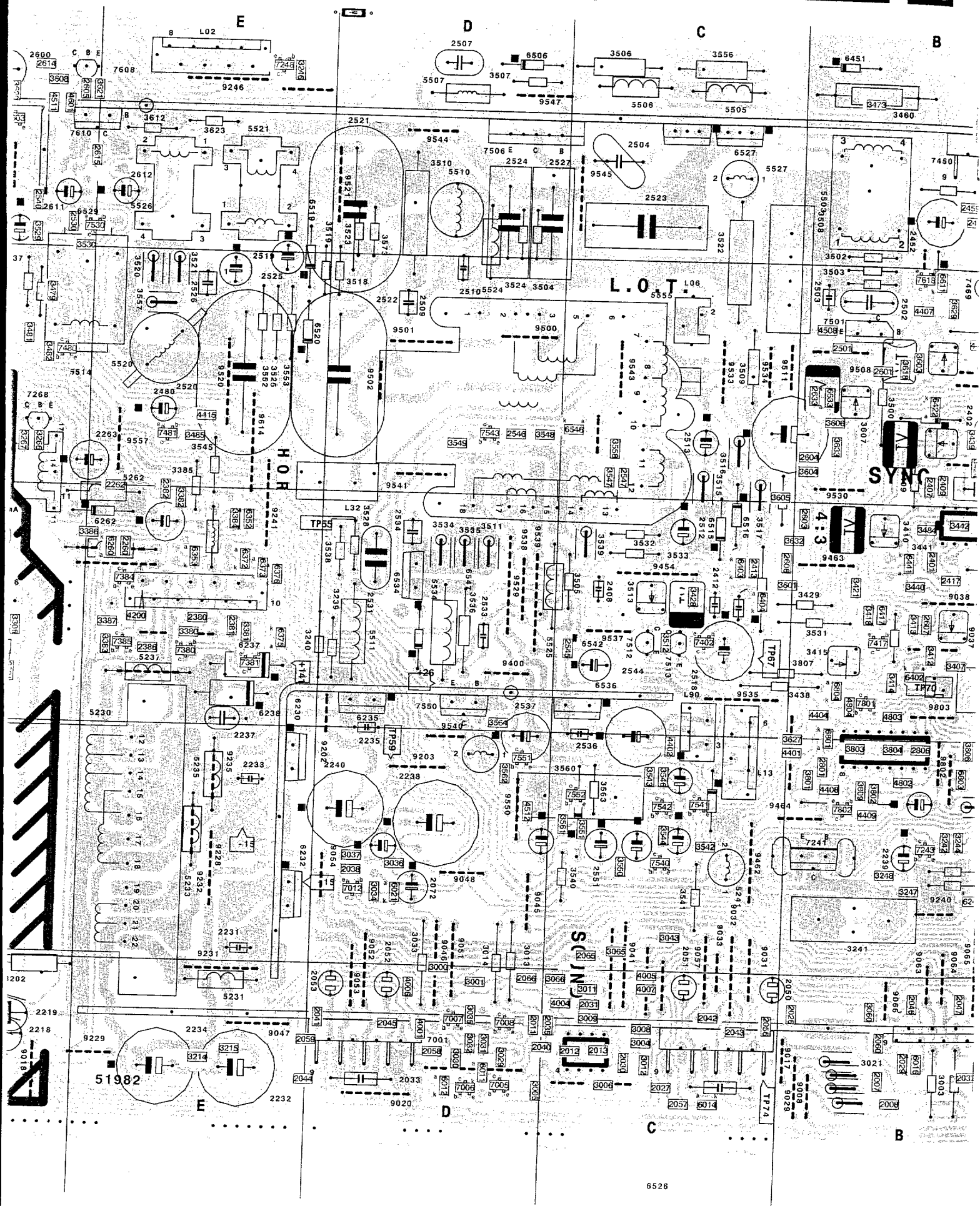
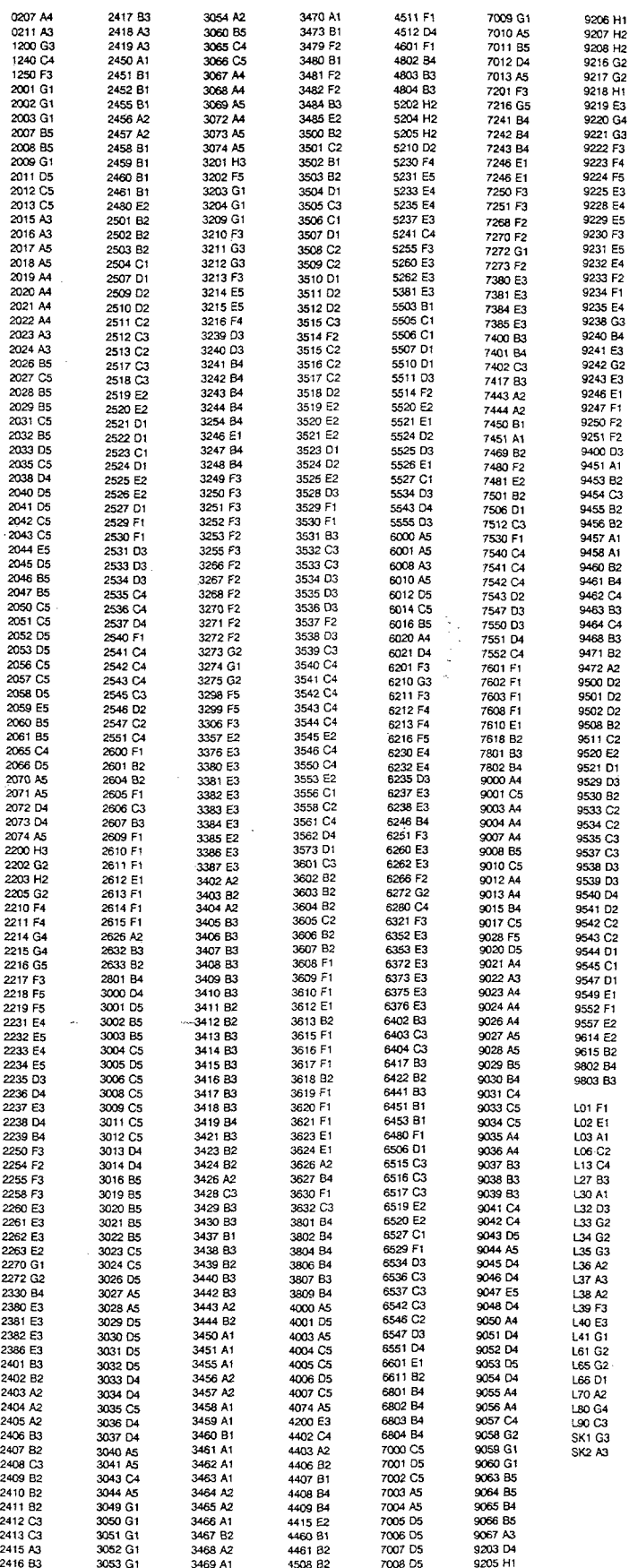


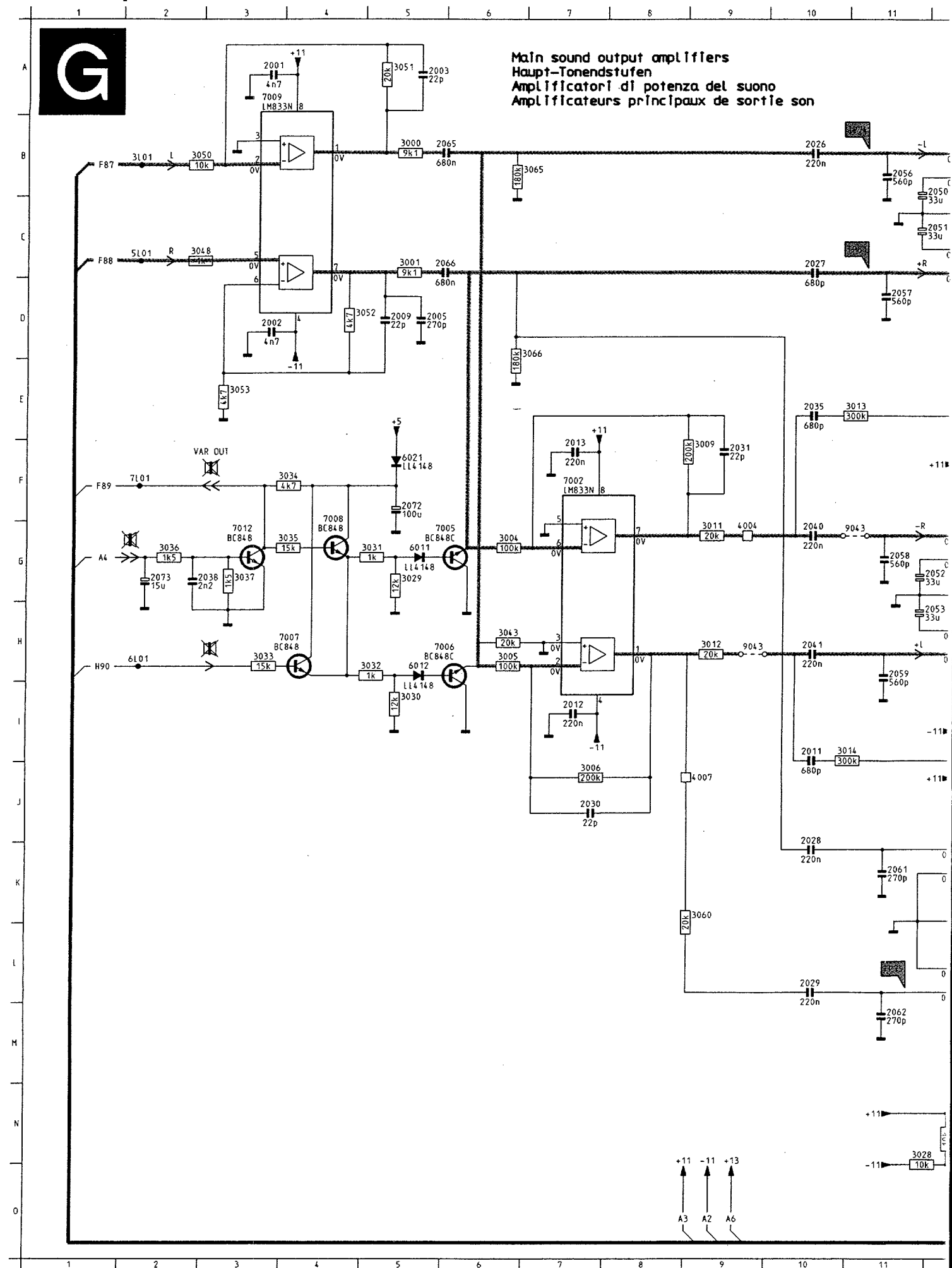
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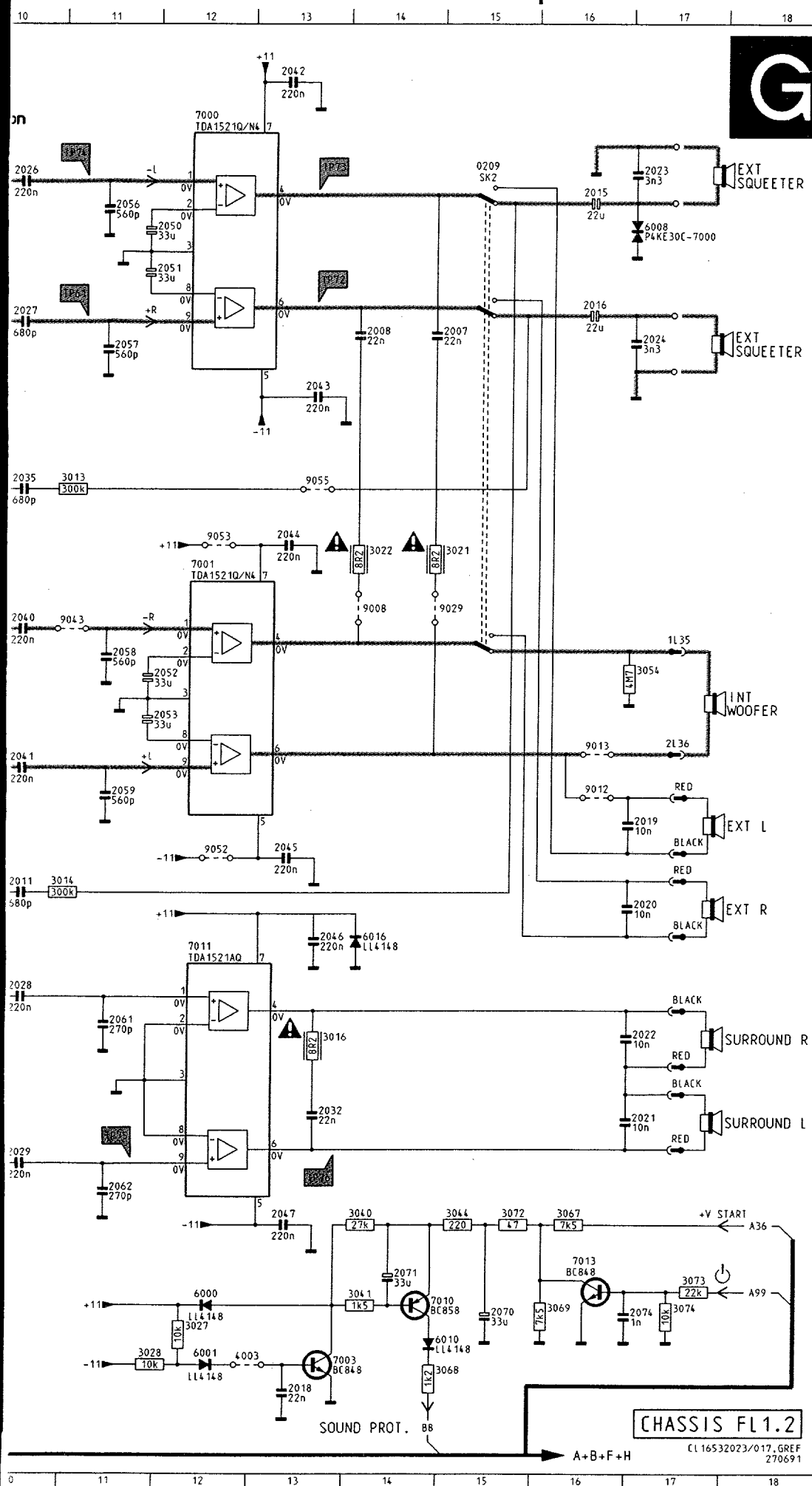




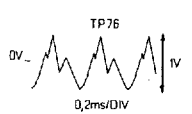
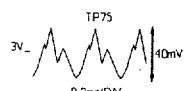
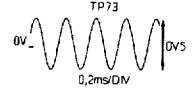
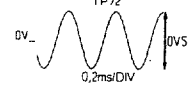
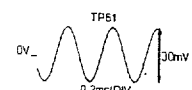


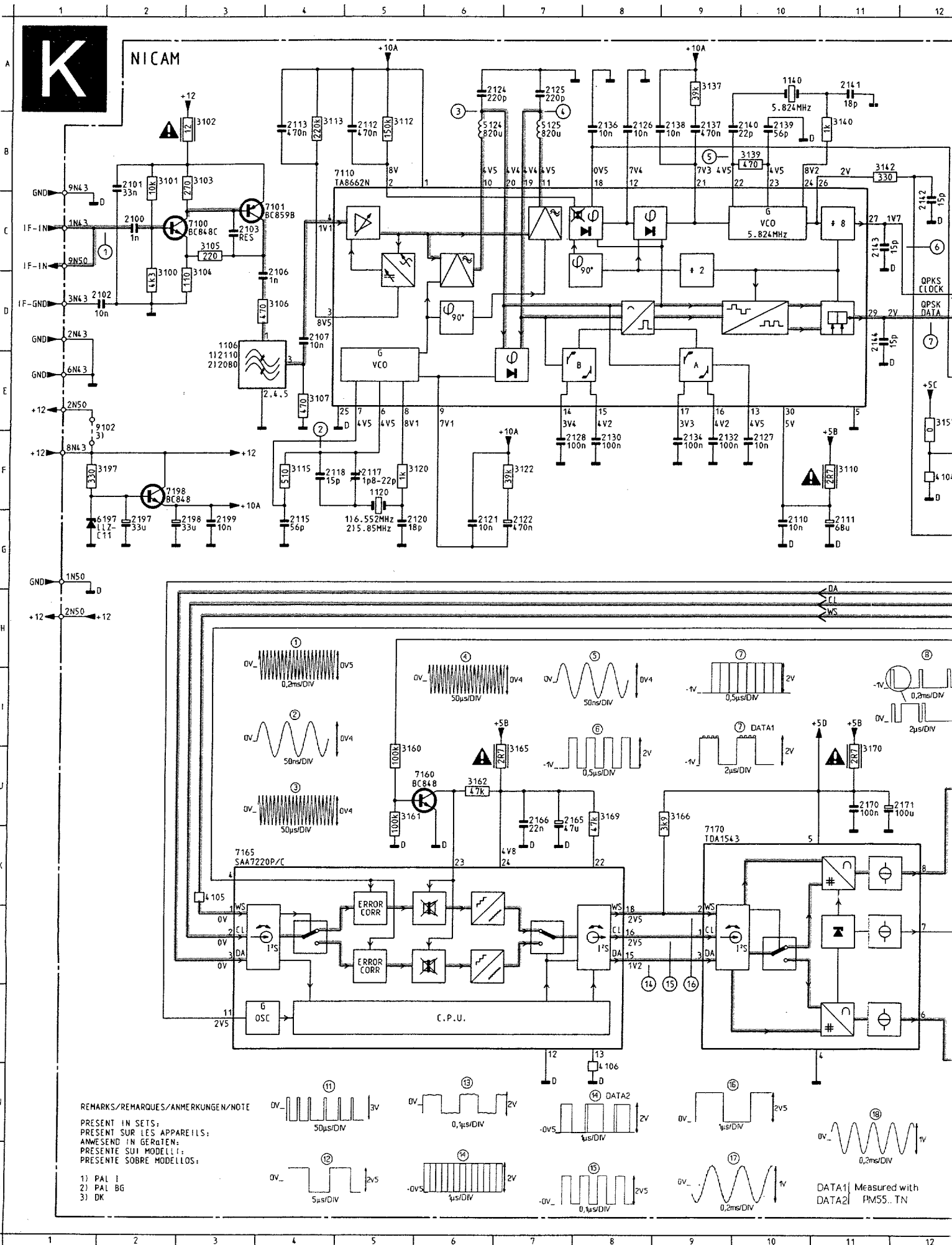


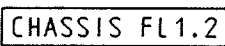
Amplification audio



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2007	D14	9008	F14
2008	D14	9012	H16
2009	D 5	9013	H16
2011	I10	9029	F14
2012	I 7	9043	G11
2013	F 7	9043	H 9
2015	B16	9052	I12
2016	C16	9053	F12
2018	Q13	9055	E13
2019	I17		
2020	J17		
2021	L17		
2022	K17		
2023	B17		
2024	D17		
2026	B10		DV
2027	C10		
2028	K10		
2029	L10		
2030	J 7		
2031	F 9		
2032	L13		
2035	E10		DV
2038	G 2		
2040	G10		
2041	H10		
2042	A13		
2043	D13		
2044	F13		
2045	I13		DV
2046	J13		
2047	M13		
2050	B11		
2051	C11		
2052	G11		
2053	H11		
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2066	C 5		3V
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2071	N14		
2072	F 5		
2073	G 2		
2074	N17		
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3005	H 6		
3006	J 7		
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3034	F 4		
3035	G 4		
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3037	G 3		
3040	M14		
3041	N14		
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3069	N16		
3072	M15		
3073	N17		
3074	N17		
4003	N13		
4004	G 9		
4007	J 9		
6000	N12		
6001	N12		
6008	B17		
6010	M14		
6011	H 5		
6012	G 5		
6016	J14		
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7000	A12		
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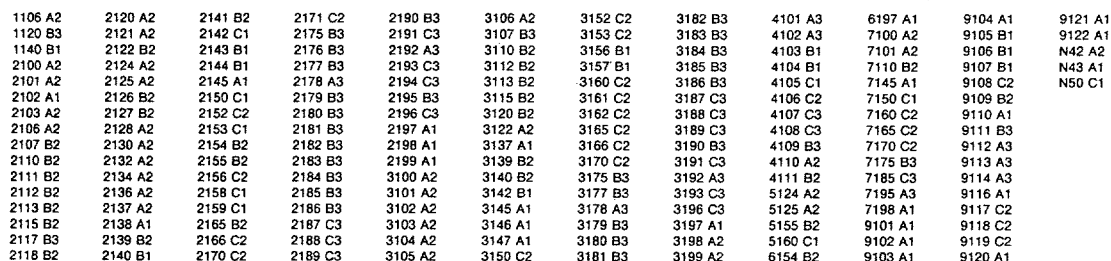


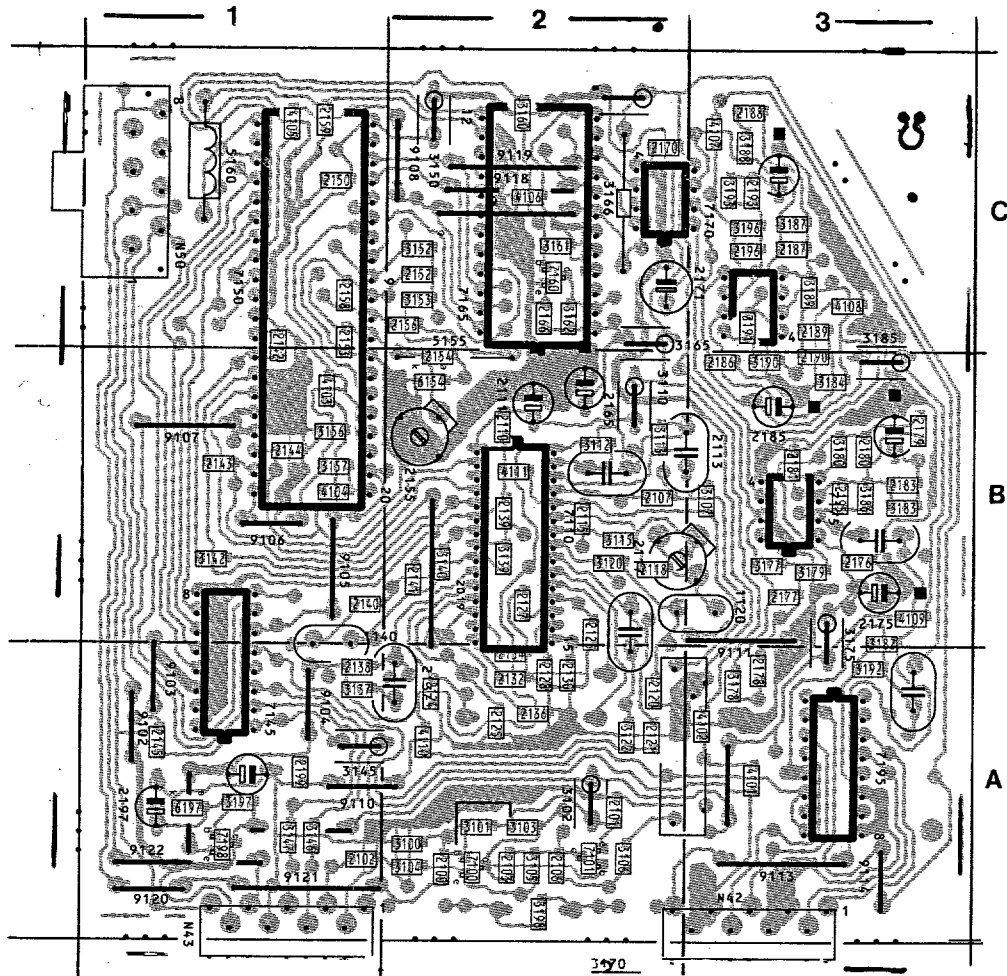




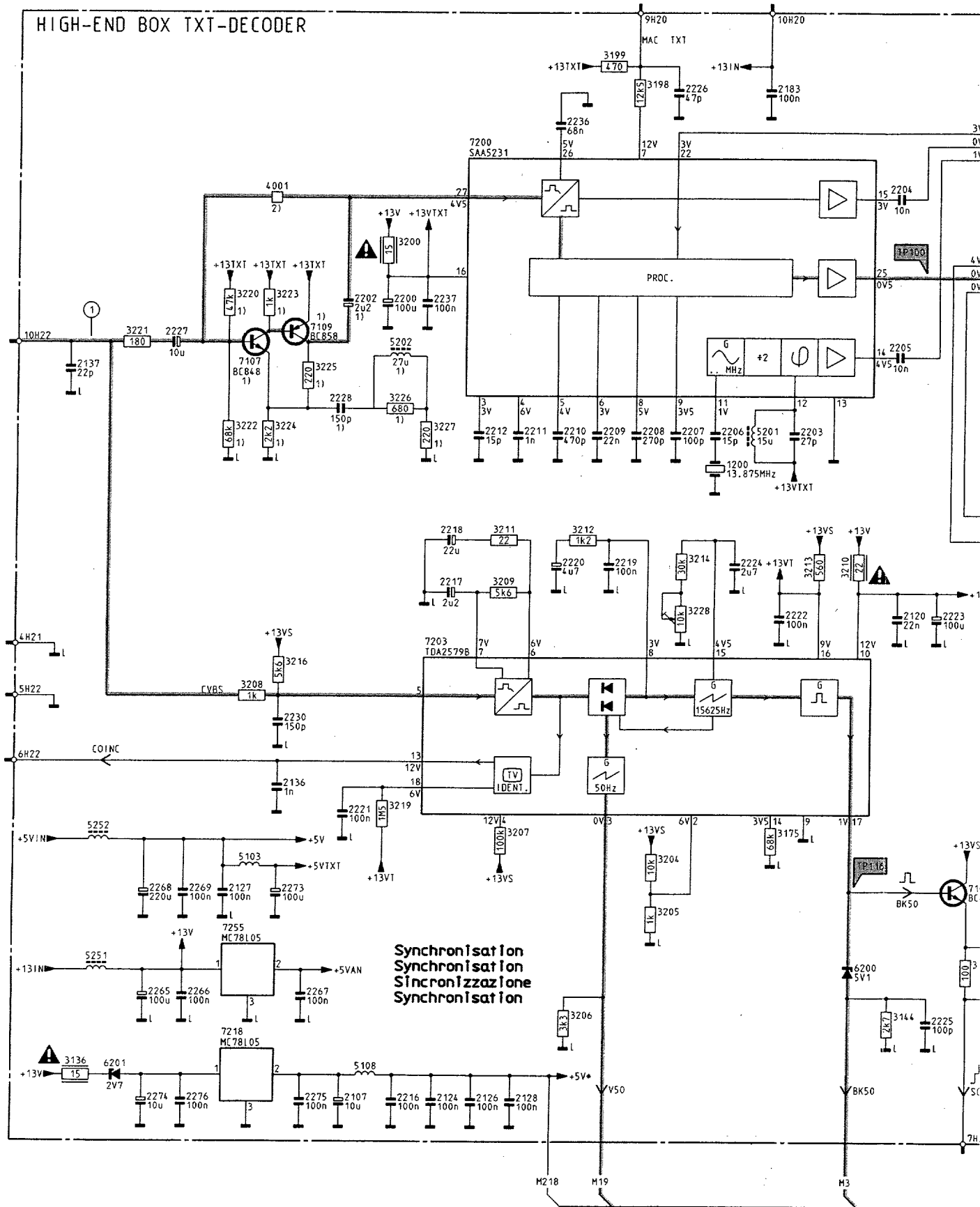
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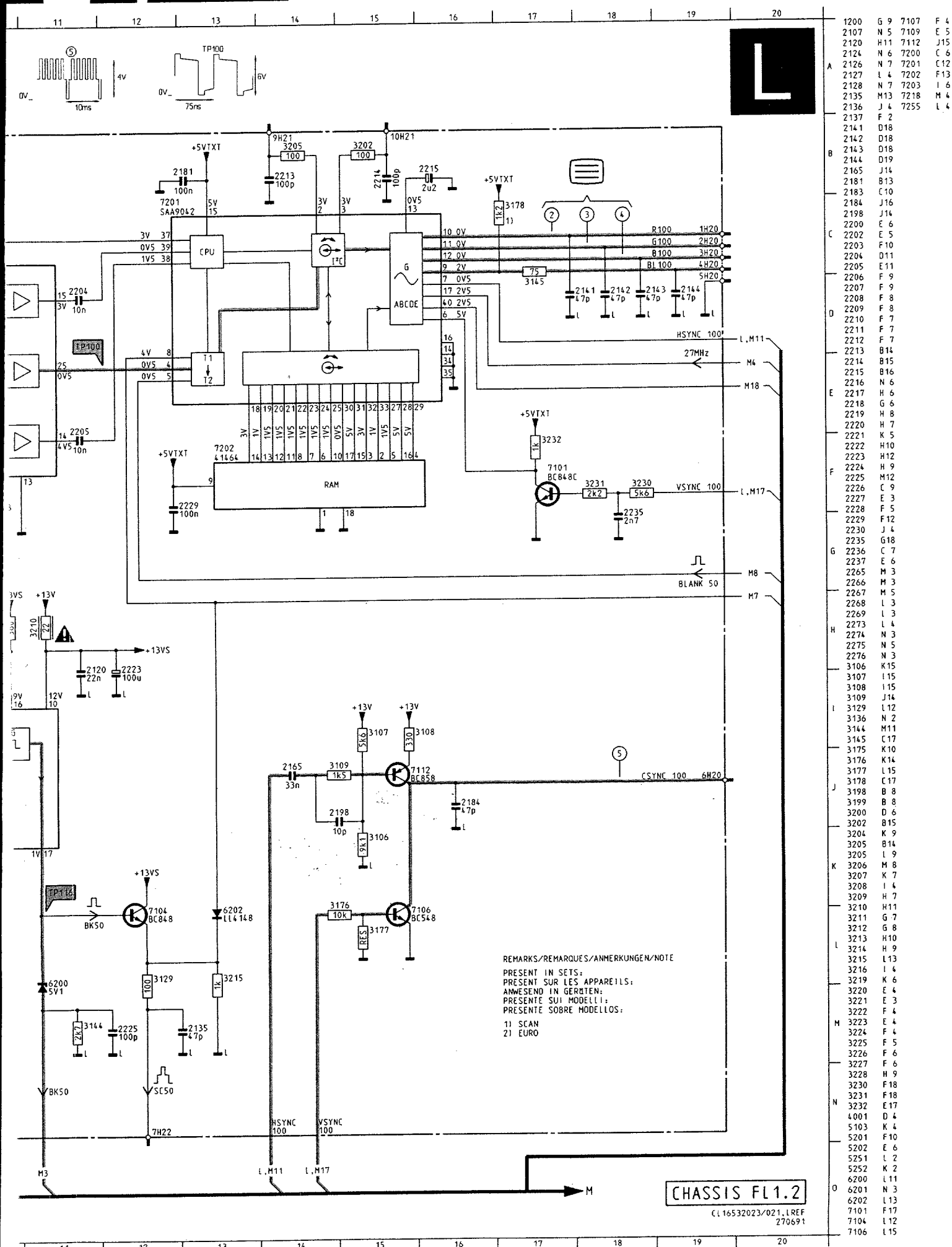
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	2102	D 1	4 107	O 17
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	2106	D 4	5 124	B 6
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	2110	G 10	5 155	G 17
	2111	G 11	5 160	G 18
B	2112	B 5	6 154	G 15
	2113	B 4	6 197	G 1
	2115	G 4	7 100	C 3
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	2121	G 6	7 150	J 12
	2122	G 7	7 160	C 6
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	2137	B 9		
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	2139	B 10		
	2140	B 9		
	2141	A 11		
	2142	C 12		
E	2143	C 11		
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	2145	B 19		
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	2152	G 15		
	2153	G 16		
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F	2155	G 16		
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	2165	J 7		
	2166	J 7		
	2170	J 11		
	2171	J 12		
G	2175	K 13		
	2176	K 14		
	2177	I 13		
	2178	H 14		
	2179	I 15		
	2180	I 15		
	2181	J 14		
H	2182	J 16		
	2185	O 13		
	2186	O 14		
	2187	L 13		
	2188	L 14		
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	2197	G 2		
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	3100	C 2		
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	3104	C 3		
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	3106	D 4		
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	3152	G 15		
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	3170	I 11		
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	3178	H 13		
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	3187	M 13		
	3188	L 13		
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	3190	L 14		
	3192	N 16		
	3197	F 1		
	4 101	J 20		





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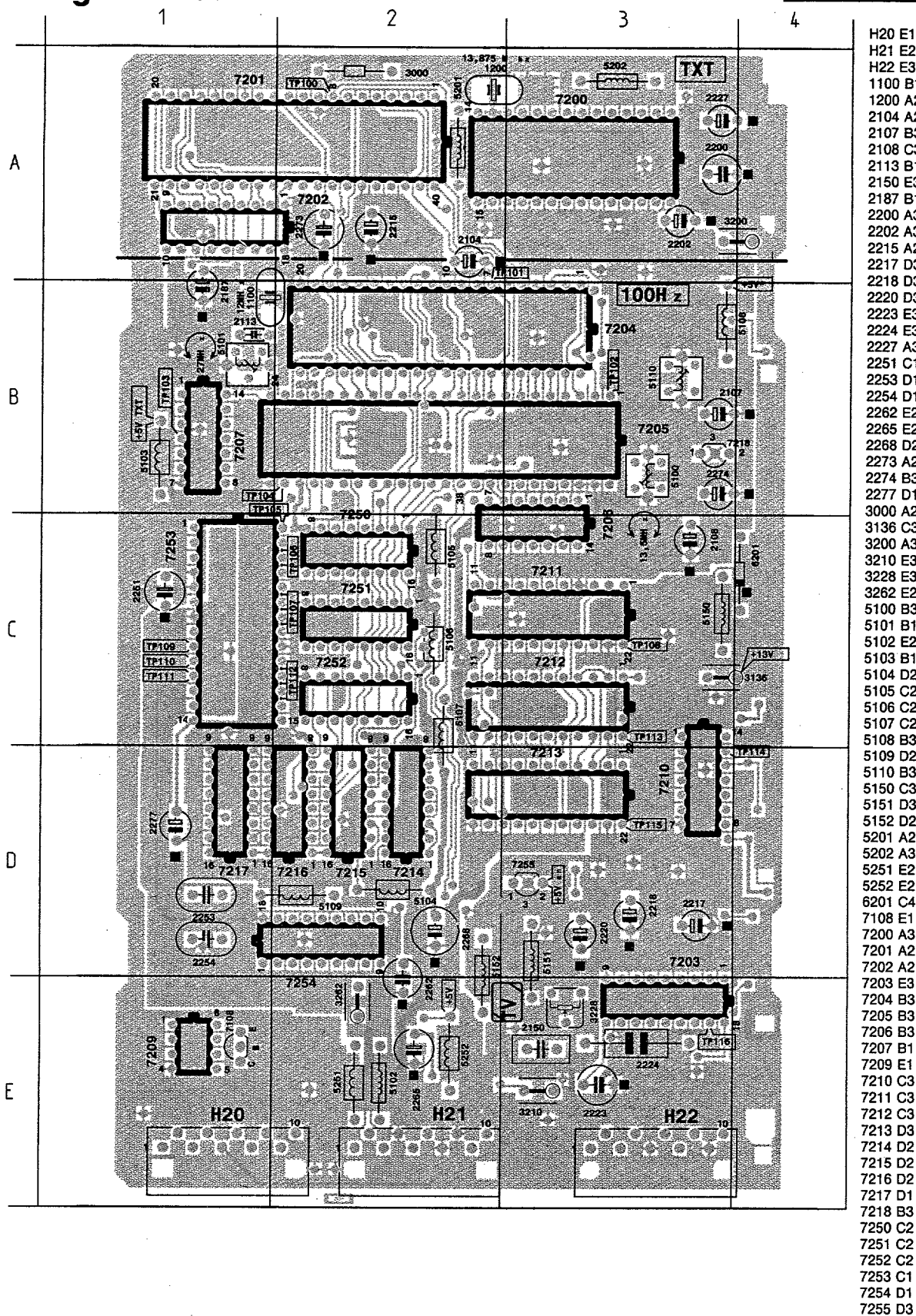




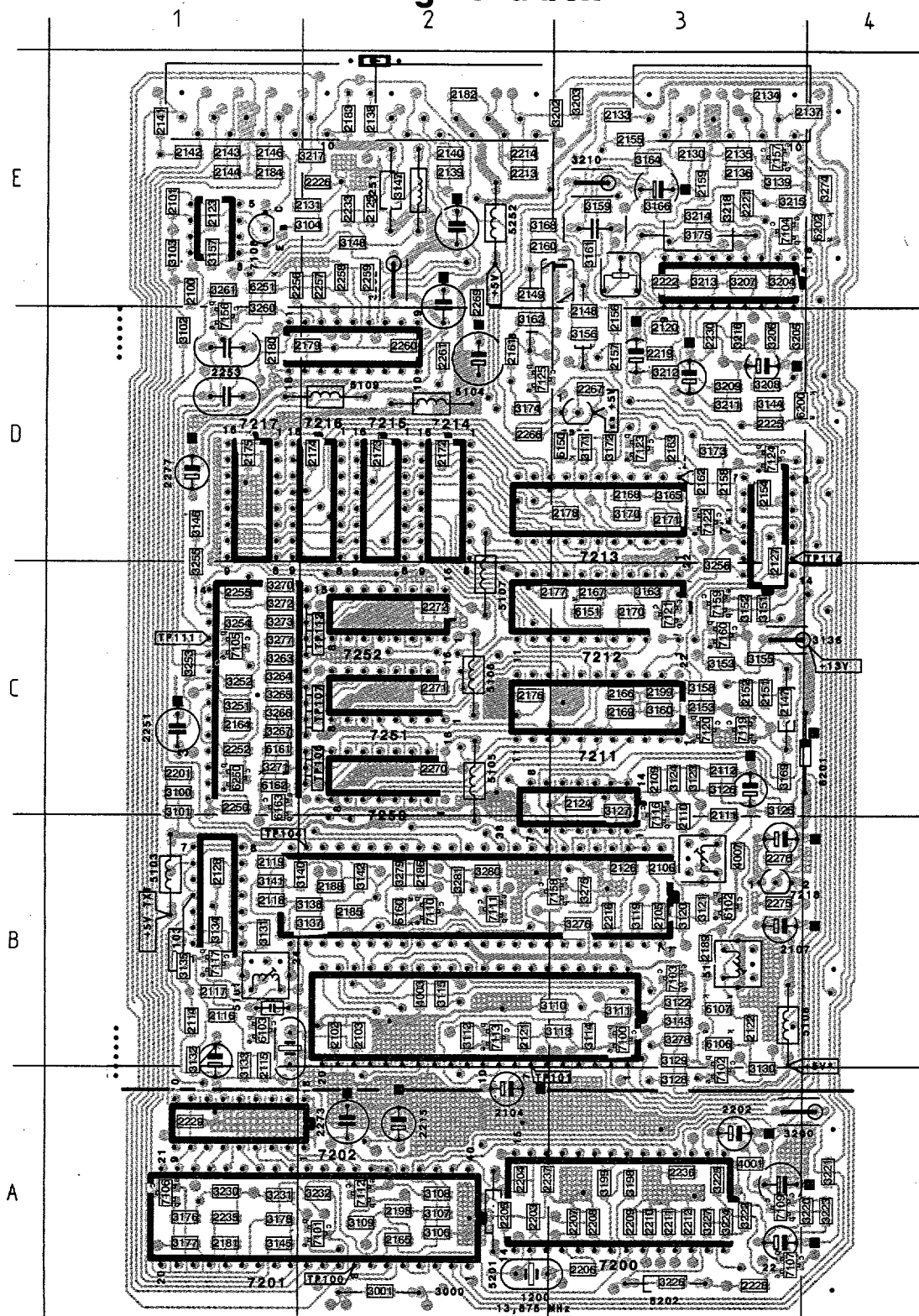
High-end box

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High-end box



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2204 A2	3140 B2	4007 B3
2205 A2	3141 B1	5100 B3
2206 A3	3142 B2	5101 B1
2207 A3	3143 B3	5102 E2
2208 A3	3144 D3	5103 B1
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2212 A3	3148 E2	5107 C2
2213 E2	3151 C3	5108 B3
2214 E2	3152 C3	5109 D2
2215 A2	3153 C3	5110 B3
2216 B3	3155 C3	5150 C3
2217 D3	3156 D3	5151 D3
2218 D3	3157 E1	5152 D2
2219 D3	3158 C3	5201 A2
2220 D3	3159 E3	5202 A3
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2223 E3	3162 D2	6102 B3
2224 E3	3163 C3	6103 B1
2225 D3	3164 E3	6106 B3
2226 E2	3165 D3	6107 B3
2227 A3	3166 E3	6150 D3
2228 A3	3168 E2	6151 C3
2229 A1	3169 C3	6160 B2
2230 D3	3170 D3	6161 C1
2233 E2	3171 D3	6162 C1
2235 A1	3172 D3	6163 C1
2236 A3	3173 D3	6200 D3
2237 A2	3174 D2	6201 C4
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2254 D1	3198 A3	7101 A2
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2258 E2	3203 E3	7105 C1
2259 E2	3204 E3	7106 A1
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2261 D2	3206 D3	7108 E1
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2265 E2	3208 D3	7110 B2
2266 D2	3209 D3	7111 B2
2267 D3	3210 E3	7112 A2
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2269 E2	3212 D3	7116 C3
2270 C2	3213 E3	7117 B1
2271 C2	3214 E3	7119 C3
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2274 B3	3217 E2	7122 D3
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3107 A2	3231 A1	7203 E3
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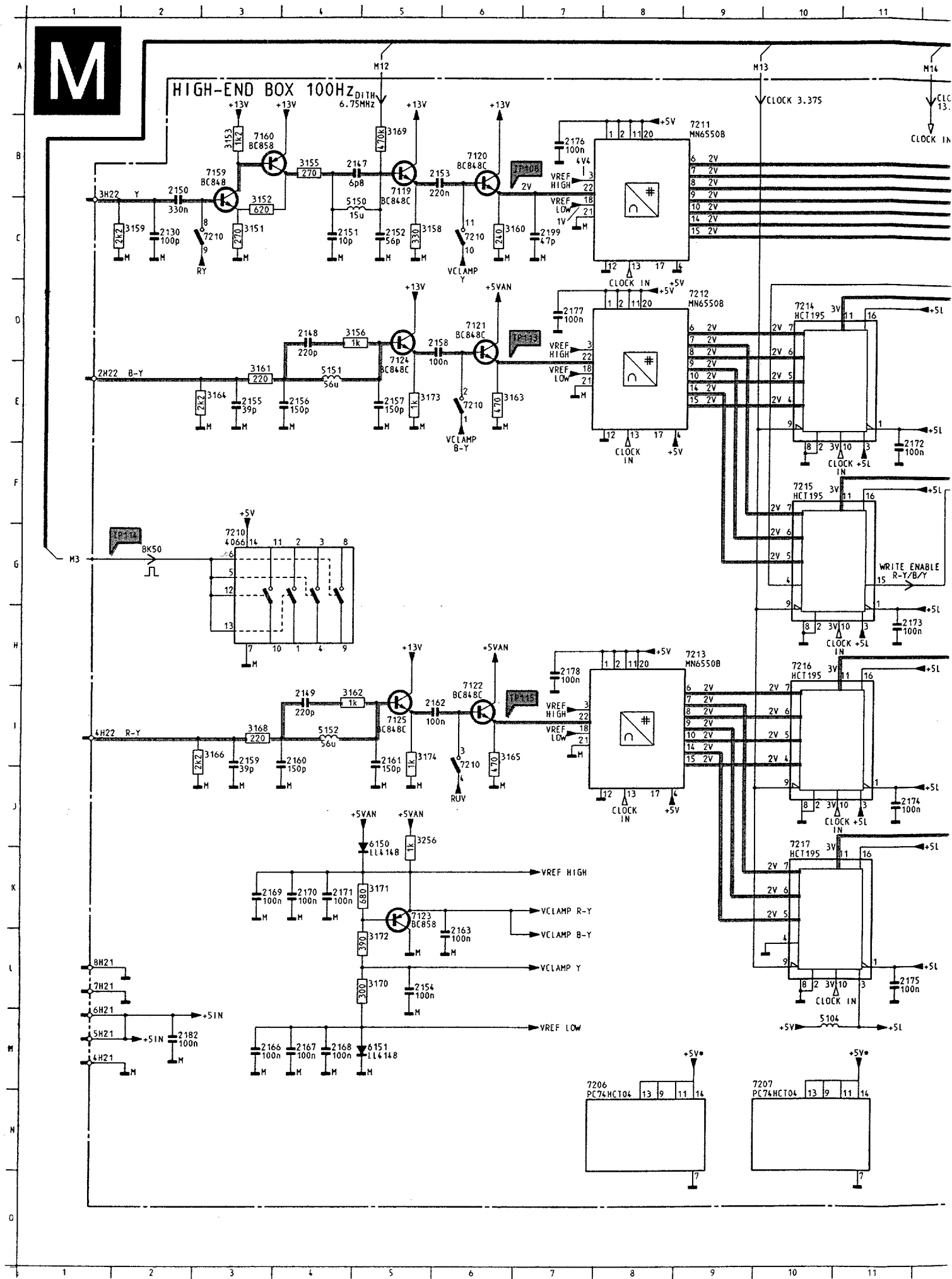
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	2126 B3	2149 E2	2169 C3	2189 B3
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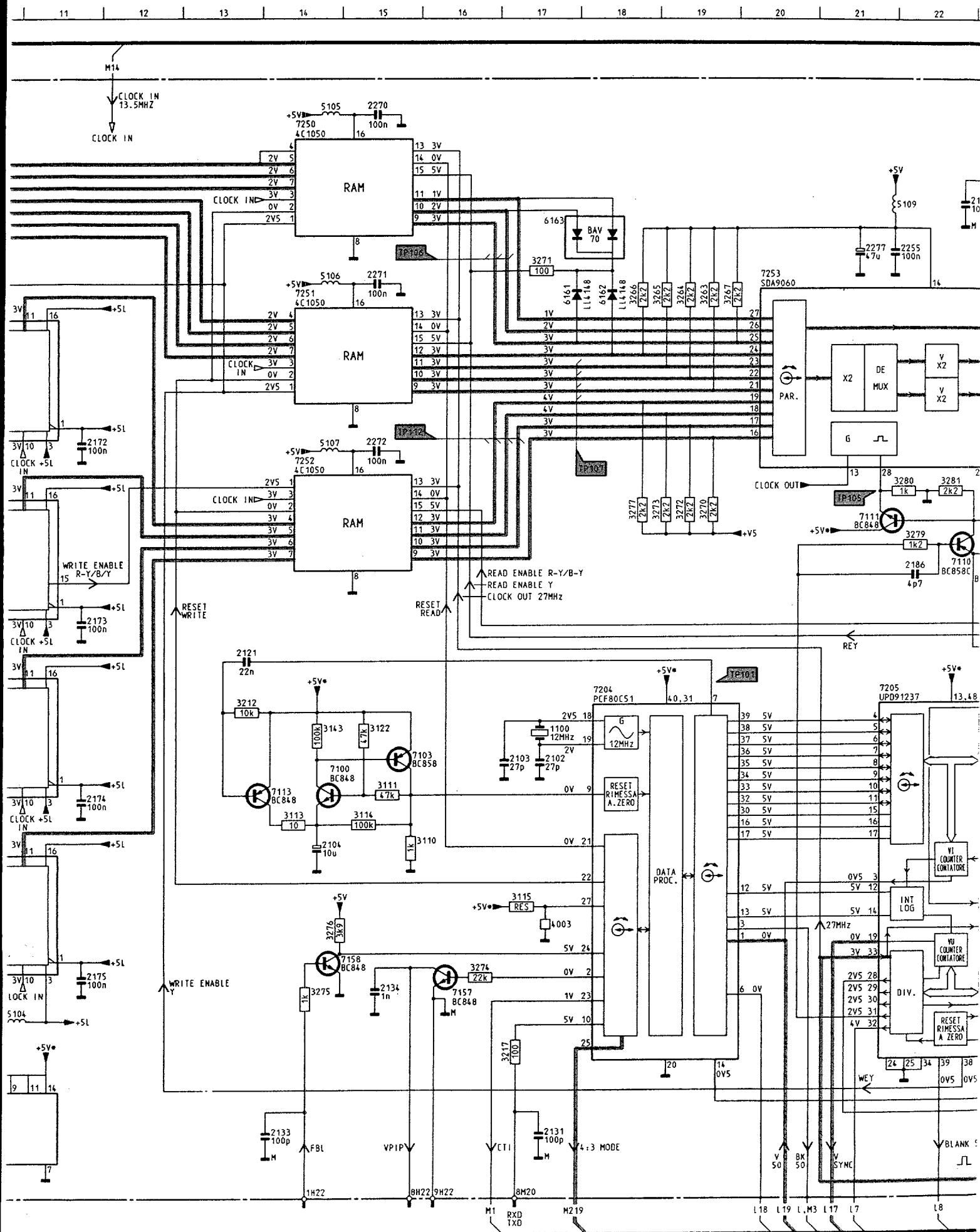
High-end box

CHASSIS FL1.2

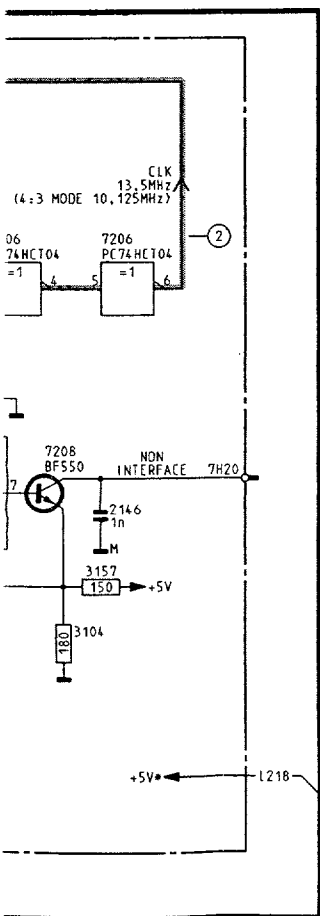
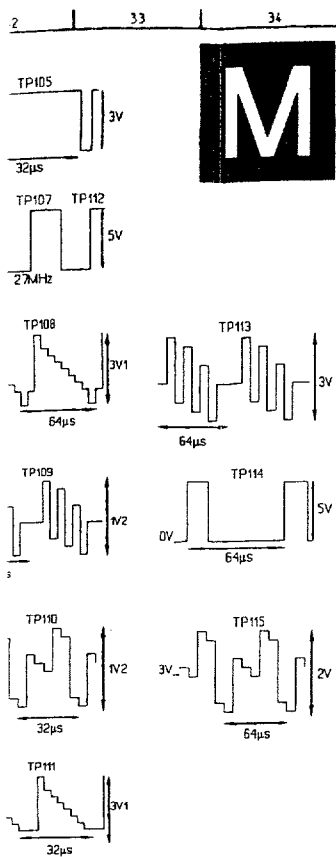
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2105	K27	3143	I14	7210	G 3
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2179	E25	5102	C27		
2180	E24	5104	M10		
2182	M 2	5105	A14		
2185	G23	5106	D14		
2186	G22	5107	F14		
2187	M30	5109	C21		
2188	N26	5110	I28		
2189	I28	5150	C 4		
2199	C 7	5151	E 4		
2201	L28	5152	I 4		
2233	C27	6102	J28		
2250	F23	6103	M27		
2251	C25	6106	I27		
2252	C26	6107	I28		
2253	D25	6150	K 5		
2254	E24	6151	M 5		
2255	C22	6160	F23		
2256	F26	6161	D17		
2257	F26	6162	D18		
2258	F27	6163	C17		
2259	F28	6250	C25		
2260	F27	6251	F27		
2261	G27	7100	J14		
2262	G28	7102	I26		
2270	A15	7103	I15		
2271	D15	7105	C26		
2272	F15	7110	G22		
2277	C21	7111	G21		
3101	L28	7113	J14		
3102	L29	7116	J31		
3103	L29	7117	N29		
3104	M32	7119	B 5		
3110	J15	7120	B 6		
3111	J15	7121	D 6		
3113	J14	7122	I 6		
3114	J15	7123	K 5		
3115	K17	7124	D 5		
3119	K27	7125	I 5		
3120	K27	7156	G27		
3121	J28	7157	L16		
3122	I15	7158	L15		
3123	I30	7159	B 3		
3124	I31	7160	B 3		
3125	H31	7204	I18		
3126	J30	7205	I21		
3127	J31	7206	M 7		
3128	J26	7206	J31		
3129	I26	7206	J32		
3130	I27	7206	J33		
3131	M30	7207	M 9		
3132	M28	7207	N30		
3133	M29	7207	M31		
3134	N29	7207	N31		

Setting cor

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

1. Electri
panel

N.B.: All pictu
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- 1.1 +141V
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Using R3
set the s

- 1.2 Focusing
This is s
the DAF

- 1.3 Vg2 sett
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Set the c
saturation
Using an
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transform

- 1.4 Dynamic
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adjustme

- 1.5 Horizontal
Connect
Supply a
Adjust p
straight.
Break the

- 1.6 Horizontal
Set using

- 1.7 Picture v
Set using

- 1.8 Vertical
Set using

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

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

1.1 +141V supply voltage

Supply the mains voltage; this must be isolated from the mains.

Connect a voltmeter over C2238.

Using R3371, on the SOPS DRIVE CIRCUIT (fig. 7.1) set the supply voltage to $+141\text{V} \pm 0.5\text{V}$.

1.2 Focusing

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

1.3 Vq2 setting

Supply an aerial signal.

Set the contrast to maximum and the brightness and saturation to nominal.

Using an oscilloscope set to field frequency, measure the direct voltage level of the measurement pulse (fig. 7.2) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth.

Now adjust the highest voltage level found with the aid of the Vg2 potentiometer (bottom left on the DAF transformer) to $150V \pm 2V$.

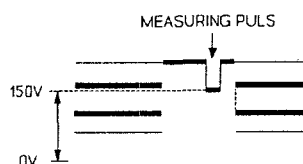


Fig. 7.1

1.4 Dynamic focus

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

1.5 Horizontal synchronisation

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

1.6 Horizontal centring

Set using potentiometer R3513.

1.7 Picture width

Set using potentiometer R3607.

1.8 Vertical centring

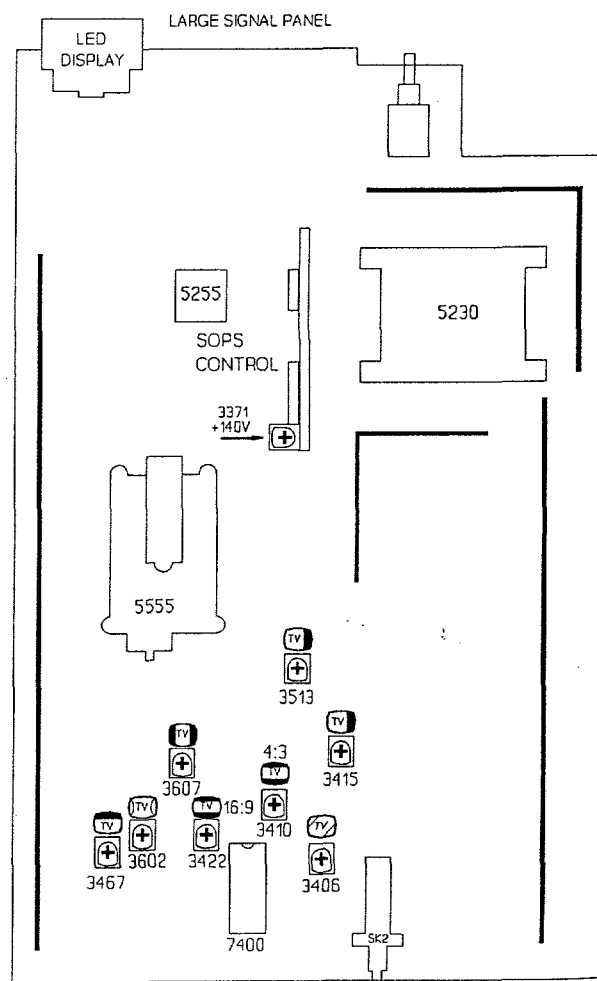
Set using potentiometer R3467.

1.9 Picture height

Movie expand off: set using potentiometer R3410.
Movie expand on: set using potentiometer R3422.

1.10 East/West correction

Movie expand on: set using potentiometer R3602.



2. Electrical settings on the small signal panel

2.1 Stereo audio channel separation

Connect a signal generator with a 2 carrier stereo signal ("stereo" mode).

Select 1kHz for the right-hand channel and switch off the sound for the left-hand channel.

Connect an oscilloscope to pin 3 of Euroconnector EXT1

Using R3602 on the small signal panel, set the amplitude of the signal to minimum amplitude.

2.2 4.43 MHz chroma suppression circuit

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

2.3a Electrical settings for sets with IC7364 - TDA4510

a-1 Chroma bandpass filter

Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.43 MHz. Connect the unit to EXT1. Connect an oscilloscope to pin 9-IC7364.

Set L5354 to maximum amplitude.

a-2 Chroma auxiliary oscillator

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

2.3b Electrical settings for sets with IC7365 - TDA4650

b-1 Chroma bandpassfilter

Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.286 MHz/0.2 Vpp. Switch the unit to EXT1. Connect pin 27-IC7365 to pin 13-IC7365 (+12V). Connect an oscilloscope to pin 15-IC7365.

Set L5345 to maximum amplitude.

Remove the interconnection.

b-2 4.50 MHz NTSC sound suppression

Connect a generator to point 20 of Euroconnector EXT1 with a frequency of 4.50 MHz and 200mV_{rms}.

Connect point 26-IC7365 to point 13-IC7365.

Connect an oscilloscope to point 15 of IC7365.

Set L5346 to minimum amplitude.

Remove the short circuit.

b-3 6.50 MHz SECAM DK sound suppression

Connect a sine-wave generator to point 20 of Euroconnector EXT1 with a frequency of 6.50 MHz and 200mV_{rms}.

Connect point 28-IC7365 to point 13-IC7365.

Connect an oscilloscope to point 15 of IC7365.

Set L5346 to minimum amplitude.

Remove the short circuit.

b-4 Chroma 8,87 MHz auxiliary oscillator

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

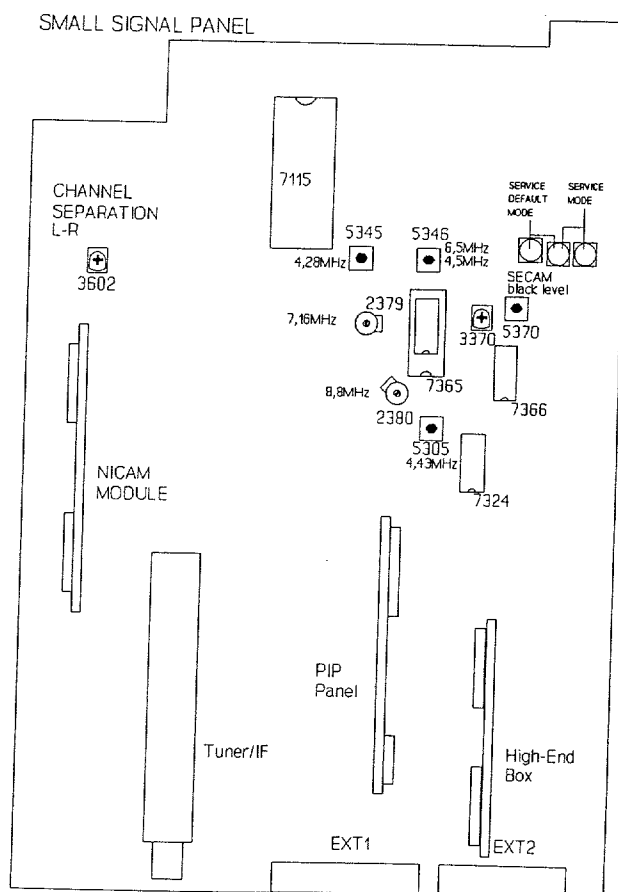
b-5 Chroma 7,16 MHz auxiliary oscillator

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

b-6 SECAM demodulators

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

Connect the oscilloscope to pin 1-IC7365. Set R3370 to minimum amplitude.



Electrical adjustments

3. Electrical adjustments on the high-end box

3.1 Synchronisation

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

3.2 13.5 MHz oscillator

Measure the signals at point 1 of IC7205 and at point 5 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.

3.4 10.125 MHz oscillator

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

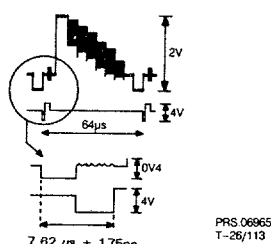
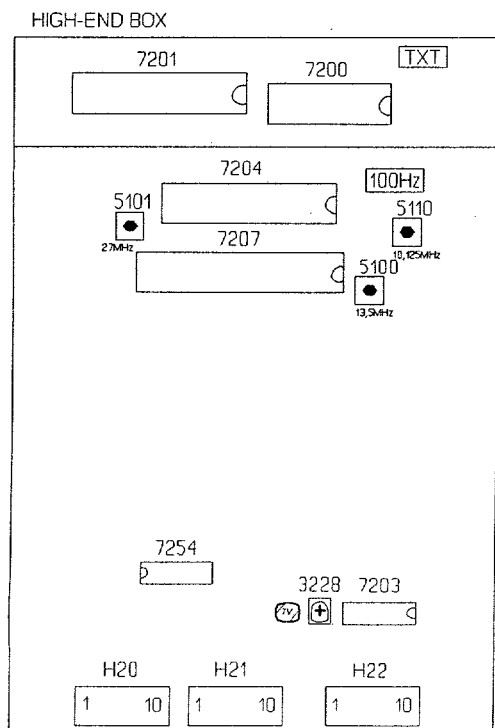


Fig. 7.2



4. Electrical settings on the NICAM decoder panel

4.1 The NICAM demodulator

Supply an aerial or generator signal which has a NICAM audio signal.

Connect the X-input of the oscilloscope to pin 19-IC7110.

Connect the Y-input of the oscilloscope to pin 20-IC7110.

Set the oscilloscope to the X-Y position.

Set the sensitivity of the oscilloscope to 1V/div AC.

Set the X and Y position so that the cross pattern is in the centre of the oscilloscope picture.

Set C2117 on a straight cross pattern (see fig. 7.3).

4.2 The "Sample" clock oscillator

Supply an aerial or generator signal which has a NICAM audio signal.

Connect an oscilloscope to pin 9-IC7150.

Set the sensitivity of the oscilloscope to 1V/div and the time base to 2 μ s/div.

Set C2155 so that a symmetrical block wave is visible.

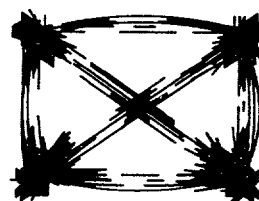
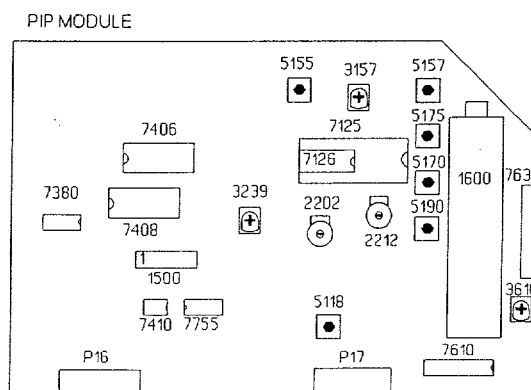
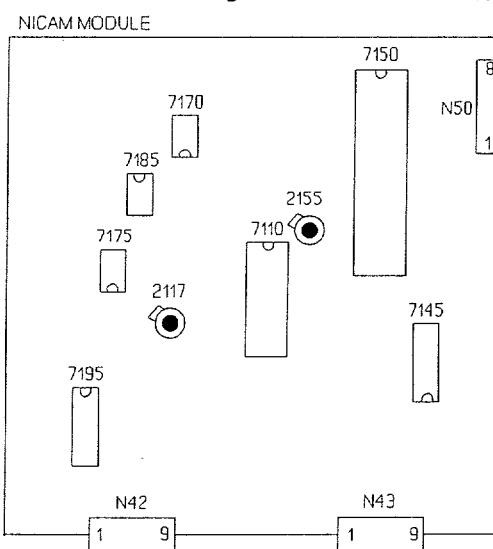


Fig. 7.3

MDA.01468
T28/826



5. Electrical settings on the PIP panel

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

5.1 Horizontal synchronisation

Supply an aerial or generator signal.

Connect pin 28-IC7125 to pin 13-IC7125.

Connect pin 5-IC7755 to earth.

Measure the frequency on pin 17-IC7755 and set this to $15,625 \text{ Hz} \pm 25 \text{ Hz}$ with R3239.

Remove the short circuits.

5.2 Adjustment of PLL circuit

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

5.2.1 Adjustment of the PLL oscillator

Movie expand off

Main picture 16:9

PIP-picture 16:9

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

5.2.2 Adjustment of the duty cycle

Movie expand off

Main picture 16:9

PIP-picture 4:3

Connect an oscilloscope to pin 11 of IC7408 (SDA9088).

With the aid of R3130 on the PLL PCB set the time T to 13nsec (see fig. 7.4).

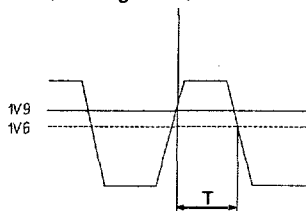


Fig. 7.4

5.3 AGC

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

5.4a Setting for PIP modules with TDA4510

a-1 Chroma bandpass filter

Connect a signal generator (e.g. PM 5326) to pin 10

of P17 and set its frequency to $4.43 \text{ MHz}/0.2 \text{ Vpp}$.

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.

5.4b Setting for PIP modules with TDA4554

b-1 Chroma bandpass filter

Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to $4.286 \text{ MHz}/0.2 \text{ Vpp}$. 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.

Electrical adjustments

6. Adjustments in the service menu

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 9).

In the Service Mode the following menu appears in the picture:

SERVICE YY-MM-DD

- a option 1 xxx
- b option 2 xxx
- c green xxx
- d blue xxx

In this menu "YY-MM-DD" is the release date of the software which is present in the set. The desired adjustment can be selected with the aid of menu keys a, b or c on the remote control.

When the "PP store" key on the local keyboard is pressed, the adjusted values are stored in the memory and the Service Mode is left.

6.1 White balance

Connect a pattern generator and choose a white picture.

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

6.2 Options

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

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

Optioncode 1

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

For example, a set has:

Function	Number
Front-end FQ618/ME/IF	2
A PIP module	8
A NICAM module	64
	--- +

Optioncode 1 now becomes 74

Option code 2

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

For example, a set has:

Function	Number
100 Hz high-end box	4
Scandinavian languages	8
	--- +

Option code 2 now becomes 12

The option codes are set as follows:

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

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

1. The Service Default Mode

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

1.1 Definition state

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

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

1.2 Switch on and off

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

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

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

1.3 Fault signals

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

SERVICE 00 00 05 06 05

The five numbers after the word "service" stand for the last five fault signals noted by the operator(s). The number on the extreme right represents the last fault signal, that on the extreme left the last fault signal but 4.


Since this enables fault reports to be looked at afterward, it means that intermittent faults can be traced.

When the set leaves the service default mode, the fault-report memory is cleared.

1.4 Operation

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

2. Software protection

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

3. Replacement of EEPROM IC7137

If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.

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

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

List of
I²C Blo

ERR
COD

01

02

04

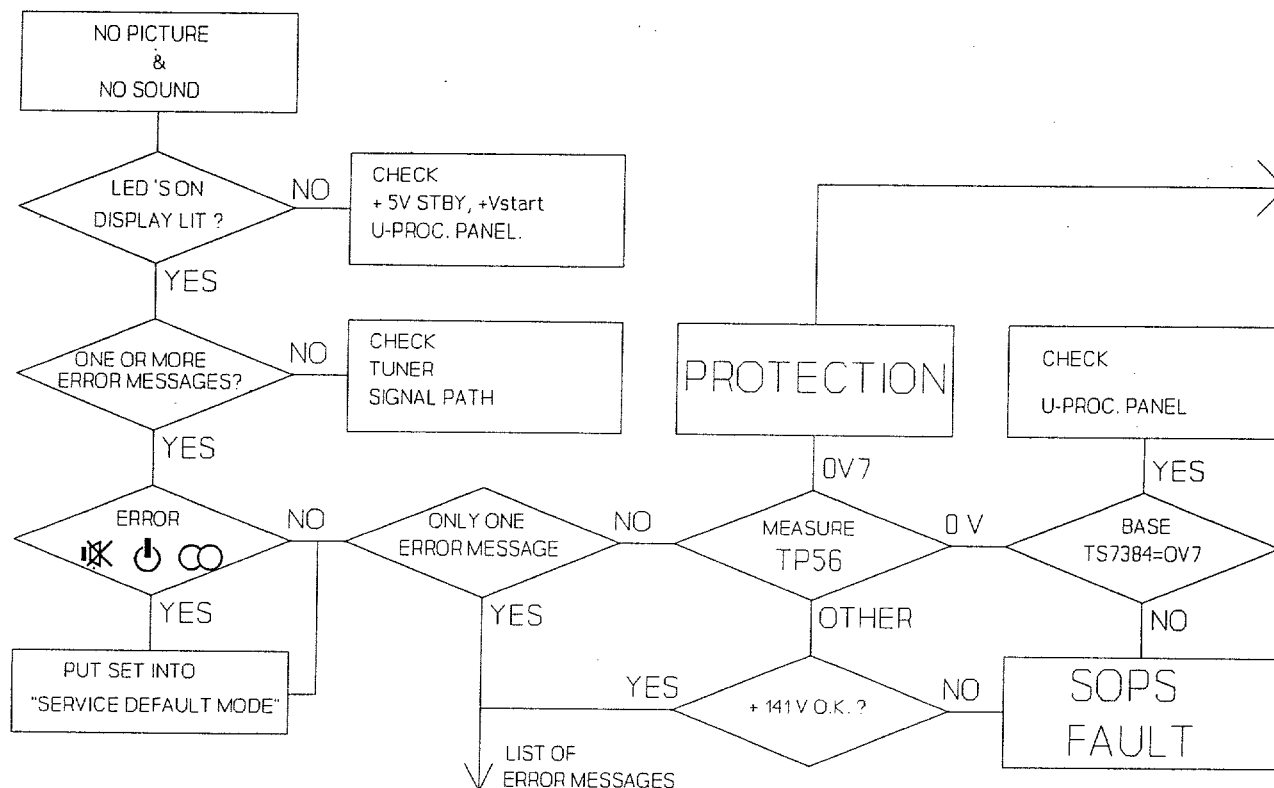
05

06

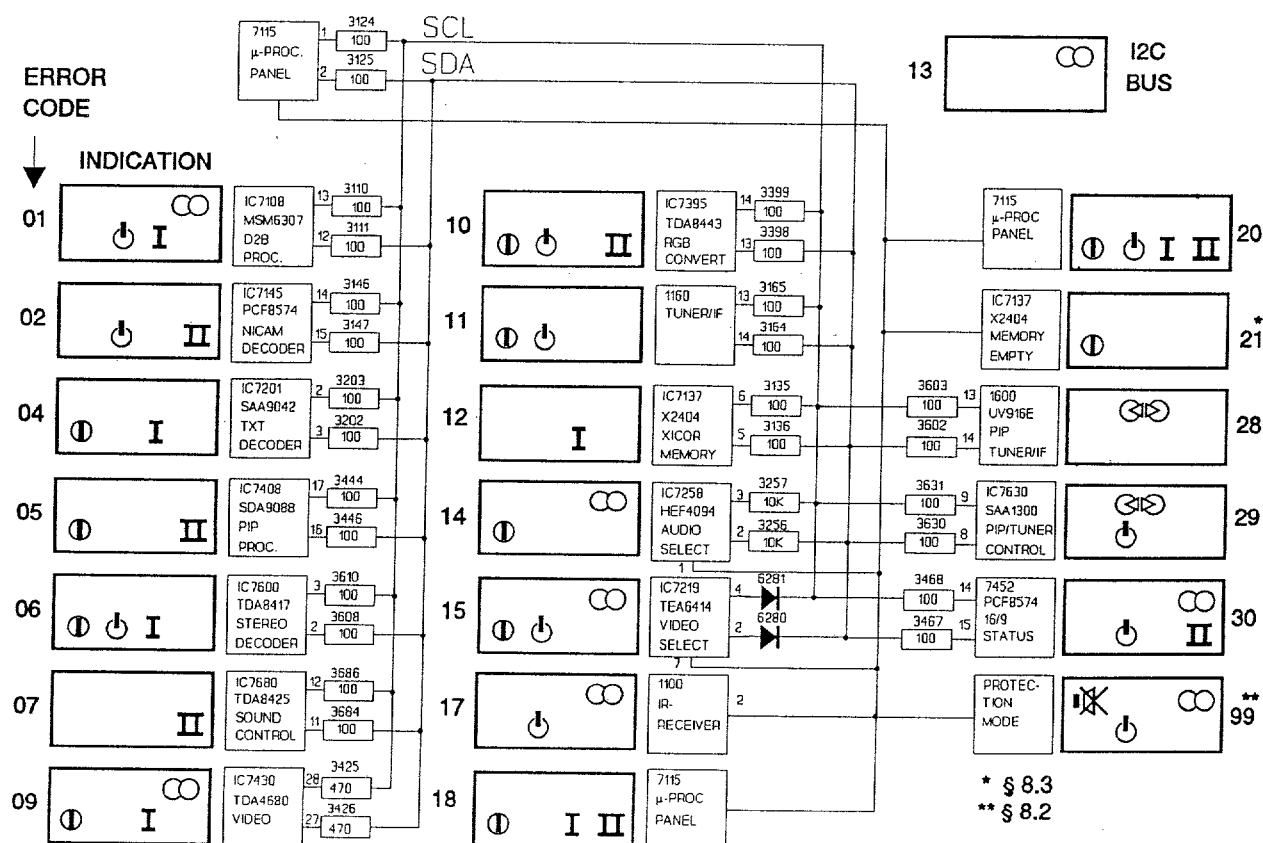
07

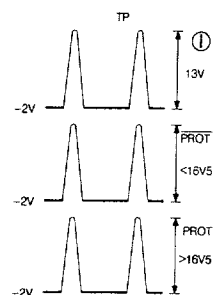
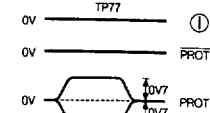
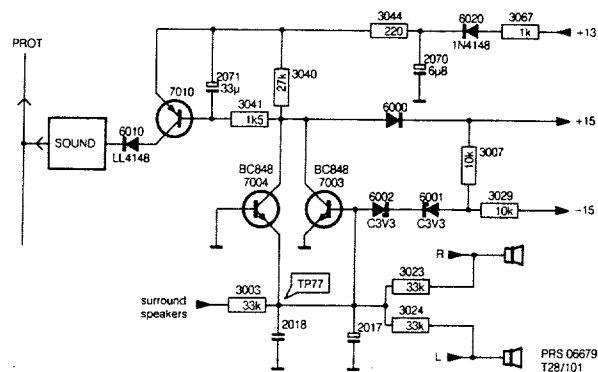
09

Faultfindingtree

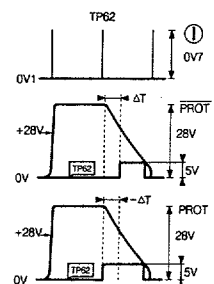
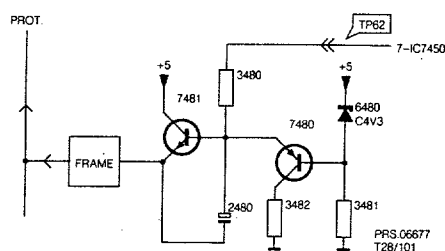
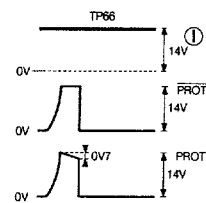
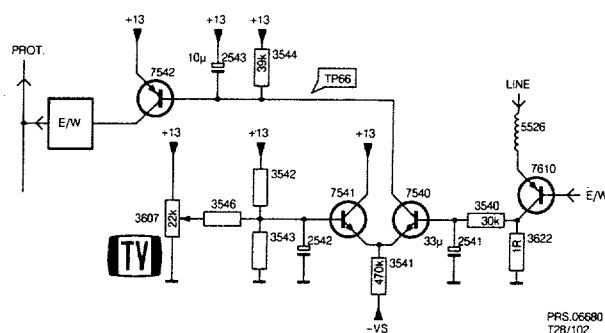
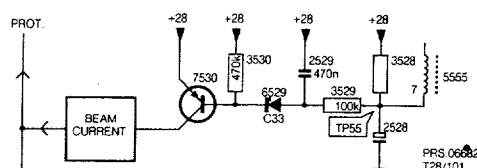
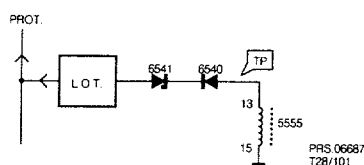


List of error messages

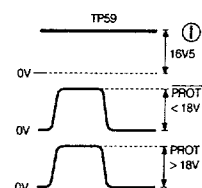
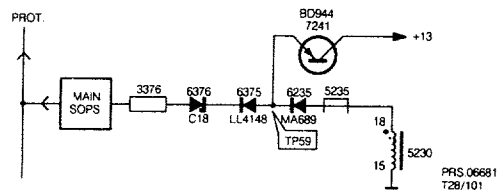
I²C Blockdiagram



ENT



+V



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).

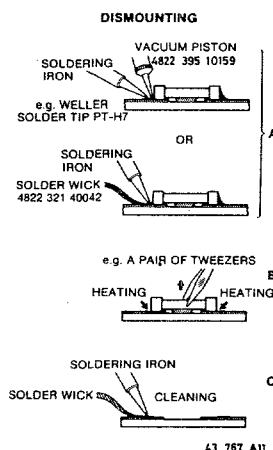


Fig. 8.1

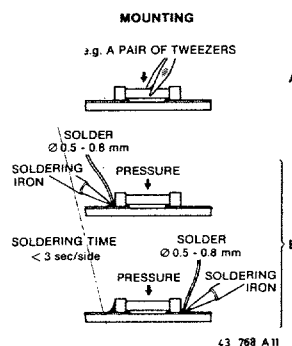


Fig. 8.2

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).

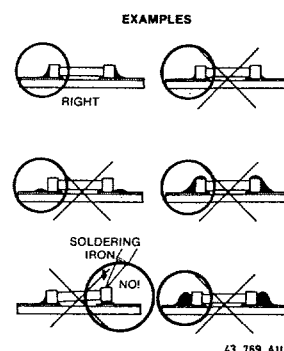


Fig. 8.3

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	

PICTURE

a brightness	<input type="text"/>	<input type="text"/>
b colour	<input type="text"/>	<input type="text"/>
c contrast	<input type="text"/>	<input type="text"/>
d sharpness	<input type="text"/>	<input type="text"/>
select : a-d menu off		

SOUND

a balance	<input type="text"/>	<input type="text"/>
b treble	<input type="text"/>	<input type="text"/>
c bass	<input type="text"/>	<input type="text"/>
d speech on/off	<input type="text"/>	<input type="text"/>
e sound mode stereo	<input type="text"/>	<input type="text"/>
select : a-e menu off		

RECORDING SOURCE

a TV to VCR	
b aux to VCR	
c FRONT to VCR	
select : a-c menu off	

BACK TO MAIN MENU

MENU

MENU* ON
E CONTROL

MENU

ce

s

t

off

IG SOURCE

R

enu 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

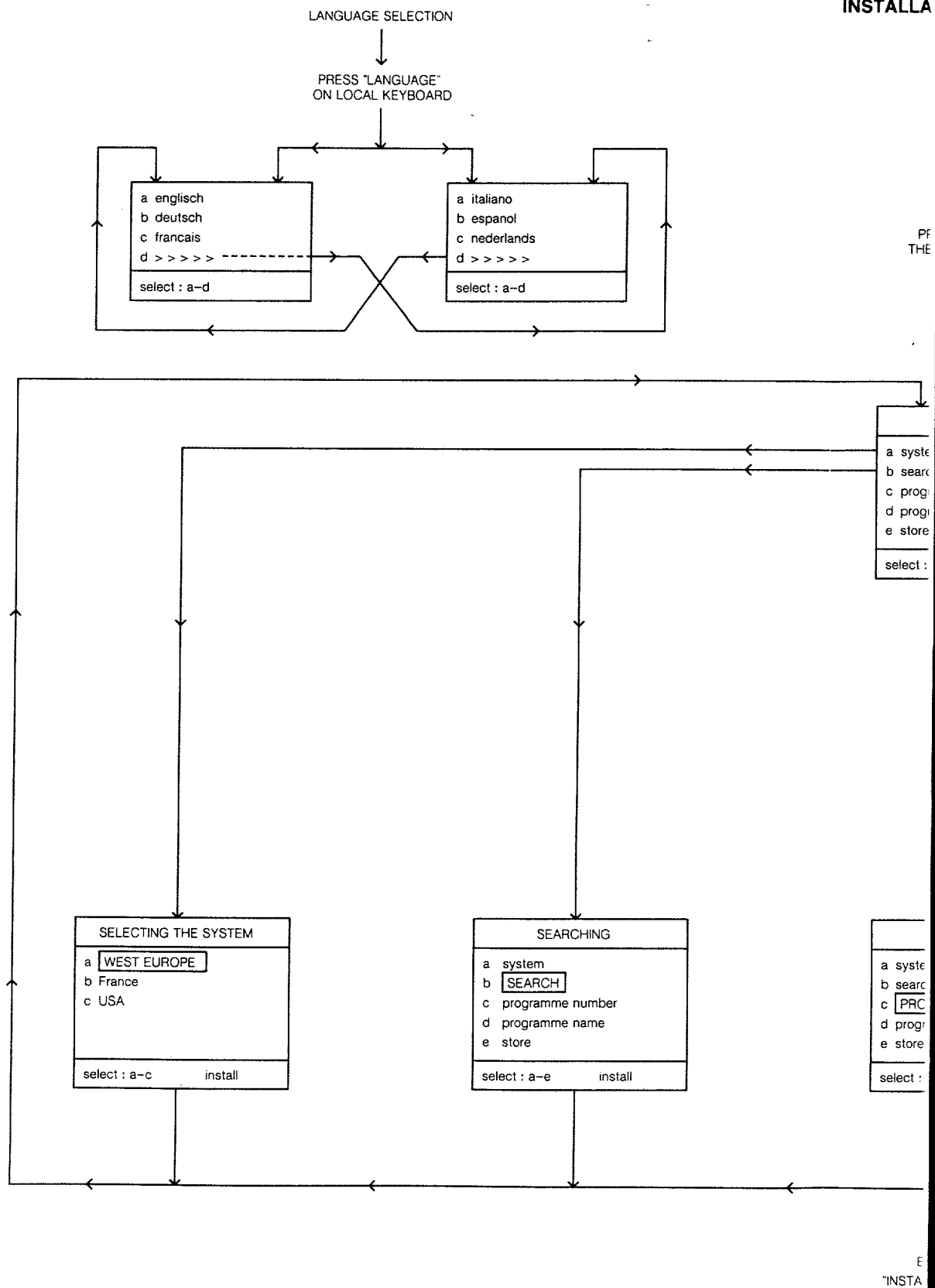
PROGRAMME LIST

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

MAIN MENU

MDA 02820
T-26/112



Large signal panel **A B G**

Lar

			-II-			-II-			-II-		
4822 265 40469	6P female gold plated		2023	5322 122 33446	3,3nF 10% 63V	2365	5322 122 32838	82nF 10% 63V	2547		
4822 265 40472	10P female gold plated		2024	5322 122 33446	3,3nF 10% 63V	2372	5322 121 42502	390nF 5% 63V	2548		
4822 290 40295	7P male		2026	4822 122 32927	220nF	2376	4822 124 40272	33μF 20% 16V	255		
4822 265 40442	10P male		2027	4822 122 32927	220nF	2380	4822 122 33496	100nF 10% 63V	2600		
4822 265 20509	2P male grey		2028	4822 122 32927	220nF	2381	4822 122 33496	100nF 10% 63V	2605		
4822 267 40985	6P male		2029	4822 122 32927	220nF	2382	4822 122 33496	100nF 10% 63V	2606		
4822 265 30525	2P male		2030	4822 126 11175	22pF 5% 50V	2386	5322 122 31647	1nF 10% 63V	2608		
4822 264 40207	3P male		2031	4822 126 11175	22pF 5% 50V	2401	4822 122 32542	47nF 10% 63V	2610		
4822 265 30389	2P male		2032	4822 122 31797	22nF 10% 63V	2402	4822 124 41577	4,7μF 20% 50V	2611		
4822 265 30389	2P male		2035	4822 122 31775	680pF 5% 50V	2403	4822 124 41678	22μF 20% 25V	2612		
4822 265 40596	2P male		2038	4822 122 31644	2,2nF 10% 63V	2404	4822 124 41577	4,7μF 20% 50V	2613		
4822 265 20509	2P male grey		2040	4822 122 32927	220nF	2405	4822 122 32542	47nF 10% 63V	2614		
4822 267 50591	6P male gold plated		2041	4822 122 32927	220nF	2406	4822 121 51091	1,2nF 2% 250V	2621		
4822 264 50149	10P male gold plated		2042	4822 122 32927	220nF	2407	5322 122 31647	1nF 10% 63V	2807		
4822 265 30389	2P male		2043	4822 122 32927	220nF	2408	4822 122 31172	180pF 10% 500V	2808		
4822 265 30389	2P male		2044	4822 122 32927	220nF	2409	4822 122 31797	22nF 10% 63V	2809		
4822 264 40207	3P male		2045	4822 122 32927	220nF	2410	4822 121 41854	150nF 5% 63V	3000		
Various parts			2046	4822 122 32927	220nF	2411	4822 121 41854	150nF 5% 63V	3001		
4822 466 93029	insulating plate		2047	4822 122 32927	220nF	2412	4822 122 31173	220pF 10% 500V	3002		
4822 466 92359	insulating plate		2050	4822 124 42108	33μF 20% 16V	2413	4822 122 31768	180pF 5% 50V	3003		
4822 492 70143	spring for 7216		2051	4822 124 42108	33μF 20% 16V	2415	4822 122 32542	47nF 10% 63V	3004		
4822 492 62076	spring for 7000 and 7001		2052	4822 124 42108	33μF 20% 16V	2416	4822 122 33496	100nF 10% 63V	3005		
4822 492 70788	spring for 7011		2053	4822 124 42108	33μF 20% 16V	2417	4822 122 32808	1,2nF 10% 63V	3006		
4822 492 70789	spring fix transistor		2056	4822 122 31773	560pF 5% 50V	2418	4822 122 31797	22nF 10% 63V	3007		
4822 492 70789	spring fix transistor		2057	4822 122 31773	560pF 5% 50V	2419	4822 124 40849	330μF 20% 16V	3008		
4822 492 70789	spring fix transistor		2058	4822 122 31773	560pF 5% 50V	2450	4822 122 32442	10nF 50V	3011		
4822 492 70789	spring fix transistor		2059	4822 122 31773	560pF 5% 50V	2451	4822 122 31746	1000pF 5% 50V	3012		
4822 492 70789	spring fix transistor		2060	4822 122 32142	270pF 5% 63V	2452	4822 124 41716	220μF 20% 35V	3013		
4822 492 70789	spring fix transistor		2061	4822 122 32142	270pF 5% 63V	2455	4822 122 31746	1000pF 5% 50V	3014		
4822 492 70789	spring fix transistor		2065	4822 126 11156	684nF 20%	2456	4822 124 42264	4700μF 20% 25V	3015		
4822 492 70789	spring fix transistor		2066	4822 126 11156	684nF 20%	2457	4822 124 42249	2,2μF 10% 50V	3021		
4822 492 70789	spring fix transistor		2070	4822 124 40272	33μF 20% 16V	2458	4822 122 31797	22nF 10% 63V	3022		
4822 492 70789	spring fix transistor		2071	4822 124 42184	33μF 20% 25V	2459	4822 122 32891	68nF 10% 63V	3023		
4822 492 70789	spring fix transistor		2072	4822 124 40178	100μF 20% 10V	2460	4822 122 33496	100nF 10% 63V	3024		
4822 492 70789	spring fix transistor		2073	4822 124 21212	15μF 20% 40V	2480	4822 124 23495	10μF 20% 25V	3025		
4822 492 70789	spring fix transistor		2074	5322 122 31647	1nF 10% 63V	2502	4822 121 41689	100nF 10% 250V	3030		
4822 492 70789	spring fix transistor		2200	4822 121 43819	680nF 10% 250V	2503	4822 126 11823	270pF 10% 500V	3031		
4822 492 70789	spring fix transistor		2203	4822 121 40487	100nF 10% 400V	2504	4822 126 11539	1,2nF 10% 2KV	3032		
4822 492 70789	spring fix transistor		2214	4822 124 23492	220μF 50% 385V	2507	4822 121 41673	220nF 10% 100V	3033		
4822 492 70789	spring fix transistor		2215	4822 122 33665	3,3nF 20% 125V	2509	4822 122 40112	560pF 20% 500V	3034		
4822 276 12998	main switch		2216	4822 126 10202	1,5nF 10% 2KV	2510	4822 126 11494	2,2nF 10% 500V	3035		
4822 256 30274	fuse holder		2231	4822 122 32585	470pF 10% 500V	2511	4822 124 41739	47μF 20% 160V	3036		
4822 290 60812	socket for ext. loudspeakers		2232	4822 124 40738	330μF 20% 25V	2512	4822 124 40435	10μF 20% 50V	3037		
4822 267 20417	socket for squeeters		2233	4822 122 32585	470pF 10% 500V	2513	4822 124 40435	10μF 20% 50V	3038		
4822 276 13094	switch loudsp. ON/OFF		2234	4822 124 40738	330μF 20% 25V	2517	4822 126 11157	470pF 10% 500V	3039		
1200 4822 070 33152	fuse T3,15A		2235	4822 122 32585	470pF 10% 500V	2518	4822 124 22449	4,7μF 30% 350V	3040		
1250 4822 071 52501	fuse T0,25A		2237	4822 122 33708	2,2nF 10% 1KV	2519	4822 124 41831	1μF 20% 160V	3041		
-II-			2238	4822 124 22583	47μF 160V	2520	4822 121 43397	680nF 5% 250V	3042		
2000 5322 122 33062	270pF 10% 500V		2239	4822 124 40193	68μF 20% 16V	2521	4822 121 43397	680nF 5% 250V	3043		
2001 4822 122 31784	4,7nF 10% 50V		2240	4822 124 42183	1000μF 20% 63V	2522	4822 121 43397	680nF 5% 250V	3044		
2002 4822 122 31784	4,7nF 10% 50V		2254	4822 126 11496	120pF 5% 2KV	2523	5322 121 41603	10nF 5% 2KV	3045		
2003 4822 126 11175	22pF 5% 50V		2255	4822 122 32142	270pF 5% 63V	2524	4822 121 70006	18nF 5% 630V	3046		
2008 4822 122 31797	22nF 10% 63V		2258	5322 121 42502	390nF 5% 63V	2525	4822 124 22347	47μF 20% 50V	3047		
2009 4822 126 11175	22pF 5% 50V		2260	4822 122 31727	470pF 5% 63V	2526	4822 126 11502	470pF 10% 500V	3048		
2011 4822 122 31775	680pF 5% 50V		2261	5322 124 21189	100μF 20% 40V	2527	4822 121 70005	15nF 5% 630V	3049		
2012 4822 122 32927	220nF		2262	4822 122 31727	470pF 5% 63V	2529	4822 124 23491	0,47μF 20% 50V	3050		
2013 4822 122 32927	220nF		2263	4822 124 40849	330μF 20% 16V	2530	4822 122 31797	22nF 10% 63V	3051		
2015 4822 124 42109	22μF 10% 50V		2270	4822 124 40178	100μF 20% 10V	2531	4822 121 40516	22nF 10% 250V	3052		
2016 4822 124 42109	22μF 10% 50V		2272	4822 122 33496	100nF 10% 63V	2533	5322 122 32818	2,2nF 10% 100V	3053		
2018 4822 122 31797	22nF 10% 63V		2302	4822 122 31765	100pF 5% 50V	2534	4822 126 11502	470pF 10% 500V	3054		
2019 4822 122 31414	10nF 100V		2303	4822 122 31808	150pF 10% 50V	2535	4822 124 23488	1000μF 20% 35V	3055		
2020 4822 122 31414	10nF 100V		2308	4822 122 32891	68nF 10% 63V	2536	4822 126 11157	470pF 10% 500V	3056		
2021 4822 122 31414	10nF 100V		2321	4822 121 43047	1μF 10% 63V	2537	4822 124 40184	1000μF 20% 10V	3057		
2022 4822 122 31414	10nF 100V		2331	4822 122 32891	68nF 10% 63V	2541	4822 124 42184	33μF 20% 25V	3058		
			2351	4822 121 41854	150nF 5% 63V	2542	4822 124 22466	1μF 20% 50V	3059		
			2360	4822 122 31981	33nF + -0,5pF 50V	2543	4822 124 23495	10μF 20% 25V	3060		
			2361	4822 121 42589	82nF 5% 63V	2544	4822 124 41525	100μF 20% 25V	3061		
						2546	4822 122 33496	100nF 10% 63V	3062		

Large signal panel (continued)



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



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










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



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

Large signal panel (continued)

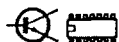
Large

	3515	4822 052 10108	1Ω 5% 0,33W		3622	4822 116 80176	1Ω 5% 0,5W		5526	4822 157 63513	EAST-WEST		6516
	3516	4822 052 10108	1Ω 5% 0,33W		3623	4822 116 80176	1Ω 5% 0,5W		5527	4822 157 63493	1,5μH 20%		6517
	3517	4822 052 11108	1Ω 5% 0,5W		3626	4822 051 10204	200k 2% 0,25W		5534	4822 158 10551	27μH 7,5%		6519
	3518	4822 116 52267	30k 5% 0,5W		3627	4822 051 10202	2k 2% 0,25W		5543	4822 157 62412	27μH 10%		6520
	3519	4822 116 52267	30k 5% 0,5W		3628	4822 051 10104	100k 2% 0,25W		5555	4822 140 10426	L.O.T.		6526
	3520	4822 052 11911	910Ω 5% 0,5W		3629	4822 051 10624	620k 2% 0,25W		6000	4822 130 80446	LL4148		6527
	3521	4822 052 11911	910Ω 5% 0,5W		3630	4822 051 10103	10k 2% 0,25W		6001	4822 130 80446	LL4148		6529
	3522	4822 053 12279	27Ω 5% 3W		3631	4822 116 52233	10k 5% 0,5W		6008	4822 209 73095	P4KE30C-7000		6530
	3523	4822 116 52233	10k 5% 0,5W		3632	4822 051 10134	130k 2% 0,25W		6010	4822 130 80446	LL4148		6534
	3524	4822 116 52176	10Ω 5% 0,5W		3633	4822 051 10102	1k 2% 0,25W		6011	4822 130 80446	LL4148		6536
	3525	4822 116 52207	1k2 5% 0,5W		3800	4822 116 52289	5k6 5% 0,5W		6012	4822 130 80446	LL4148		6542
	3526	4822 116 52306	9k1 5% 0,5W		3801	4822 051 10184	180k 2% 0,25W		6016	4822 130 80446	LL4148		6546
	3527	4822 051 10102	1k 2% 0,25W		3802	4822 051 10104	100k 2% 0,25W		6021	4822 130 80446	LL4148		6547
	3528	4822 116 52229	750Ω 5% 0,5W		3803	4822 051 20222	2k2 5% 0,1W		6021	4822 130 80446	LL4148		6551
	3529	4822 051 10104	100k 2% 0,25W		3804	4822 051 10103	10k 2% 0,25W		6201	4822 130 80446	LL4148		6570
	3530	4822 051 10474	470k 2% 0,25W		3805	4822 111 41424	22Ω 5% 0,3W		6210	4822 130 33887	GP15J-16		6611
	3531	4822 116 52274	36k 5% 0,5W		3806	4822 051 20222	2k2 5% 0,1W		6211	4822 130 33887	GP15J-16		6633
	3532	4822 116 52213	180Ω 5% 0,5W		3807	4822 116 52256	2k2 5% 0,5W		6212	4822 130 33887	GP15J-16		6801
	3533	4822 116 52213	180Ω 5% 0,5W		3809	4822 051 10104	100k 2% 0,25W		6213	4822 130 33887	GP15J-16		6802
	3534	4822 053 11128	1Ω2 5% 2W		3810	4822 050 11002	1k 1% 0,4W		6216	4822 130 42606	BYD33J		6803
	3535	4822 053 11128	1Ω2 5% 2W		Jumper				6230	4822 130 33529	BY229F-200		6804
	3536	4822 053 10331	330Ω 5% 1W		4000	4822 051 10008	0Ω 5% 0,25W		6232	4822 130 33529	BY229F-200		
	3537	4822 116 52197	56Ω 5% 0,5W		4001	4822 051 10008	0Ω 5% 0,25W		6235	4822 130 81104	MA689		
	3538	4822 050 28202	8k2 1% 0,6W		4003	4822 051 10008	0Ω 5% 0,25W		6237	4822 130 80572	RGP30J-L7004		7000
	3539	4822 052 10108	1Ω 5% 0,33W		4004	4822 051 10008	0Ω 5% 0,25W		6238	4822 130 80572	RGP30J-L7004		7001
	3540	4822 116 52267	30k 5% 0,5W		4006	4822 051 10008	0Ω 5% 0,25W		6246	4822 130 82347	LLZ-F6V8		7002
	3541	4822 116 52272	330k 5% 0,5W		4007	4822 051 10008	0Ω 5% 0,25W		6251	4822 130 80954	LLZ-C5V6		7003
	3542	4822 051 10104	100k 2% 0,25W		4074	4822 051 10008	0Ω 5% 0,25W		6260	4822 130 80446	LL4148		7005
	3543	4822 051 10242	2k4 2% 0,25W		4200	4822 051 10008	0Ω 5% 0,25W		6262	4822 130 60778	BYD73B		7006
	3544	4822 051 10393	39k 2% 0,25W		4400	4822 051 10008	0Ω 5% 0,25W		6266	4822 130 34278	BZX79-F6V8		7007
	3545	4822 116 52208	130Ω 5% 0,5W		4402	4822 051 10008	0Ω 5% 0,25W		6272	4822 130 34173	BZX55-B5V6		7008
	3546	4822 051 10104	100k 2% 0,25W		4403	4822 051 10008	0Ω 5% 0,25W		6280	4822 130 30621	1N4148		7009
	3547	4822 051 10109	10Ω 2% 0,25W		4404	4822 051 10008	0Ω 5% 0,25W		6302	4822 130 80446	LL4148		7010
	3548	4822 051 10392	3k9 2% 0,25W		4406	4822 051 10008	0Ω 5% 0,25W		6303	4822 130 80446	LL4148		7011
	3549	4822 051 10124	120k 2% 0,25W		4407	4822 051 10008	0Ω 5% 0,25W		6304	4822 130 80446	LL4148		7012
	3550	4822 051 10132	1k3 2% 0,25W		4408	4822 051 10008	0Ω 5% 0,25W		6306	4822 130 34499	BZX79-C20		7013
	3551	4822 051 10151	150Ω 2% 0,25W		4409	4822 051 10008	0Ω 5% 0,25W		6308	4822 130 42488	BYD33D		7201
	3552	4822 116 52207	1k2 5% 0,5W		4415	4822 051 10008	0Ω 5% 0,25W		6312	4822 130 42488	BYD33D		7216
	3553	4822 116 52207	1k2 5% 0,5W		4511	4822 051 10008	0Ω 5% 0,25W		6315	4822 130 80446	LL4148		7241
	3556	4822 053 11108	1Ω 5% 2W		4512	4822 051 10008	0Ω 5% 0,25W		6319	4822 130 34173	BZX79-C5V6		7242
	3558	4822 051 10109	10Ω 2% 0,25W		4601	4822 051 10008	0Ω 5% 0,25W		6321	4822 130 80954	LLZ-C5V6		7243
	3560	4822 113 80453	6Ω8 10% 5W		4802	4822 051 10008	0Ω 5% 0,25W		6331	4822 130 80446	LL4148		7250
	3561	5322 116 81141	820Ω 5%		4803	4822 051 10008	0Ω 5% 0,25W		6349	4822 130 80446	LL4148		7251
	3562	5322 116 80434	2k2 1% 0,125W		4804	4822 051 10008	0Ω 5% 0,25W		6350	4822 130 80446	LL4148		7268
	3563	4822 116 52175	100Ω 5% 0,5W						6351	4822 130 80446	LL4148		7270
	3564	4822 051 10569	56Ω 2% 0,25W		5204	4822 157 63508	18μH		6352	4822 130 80446	LL4148		7272
	3570	4822 116 52207	1k2 5% 0,5W		5230	4822 148 81192	SOPS		6353	4822 130 80446	LL4148		7273
	3601	4822 051 10104	100k 2% 0,25W		5237	4822 526 10494	ferrite bead		6355	4822 130 80446	LL4148		7305
	3602	4822 100 11213	22k 30% LIN		5241	4822 157 62412	27μH 10%5K		6356	4822 130 82345	LLZ-C22		7311
	3603	4822 051 10163	16k 2% 0,25W		5255	4822 146 30955	transf. assy		6357	4822 130 80446	LL4148		7312
	3604	4822 051 10624	620k 2% 0,25W				CU15B20		6370	4822 130 81512	LLZ-C6V2		7318
	3605	4822 051 10203	20k 2% 0,25W		5260	4822 526 10494	ferrite bead		6371	4822 130 80446	LL4148		7320
	3606	4822 051 10223	22k 2% 0,25W		5308	4822 157 63302	150μH 10%		6372	4822 130 80446	LL4148		7321
	3607	4822 100 11213	22k 30% LIN		5310	4822 157 63301	1μH 15%		6373	4822 130 82583	LLZ-C9V1		7360
	3608	4822 051 10103	10k 2% 0,25W		5381	4822 157 52265	100μH 10%		6375	4822 130 80446	LL4148		7369
	3609	4822 051 10473	47k 2% 0,25W		5503	4822 157 63252	LINE DRIVER		6376	4822 130 80922	LLZ-C18		7370
	3610	4822 051 10472	4k7 2% 0,25W		5505	4822 157 51588	0,82μH 20%		6402	4822 130 80446	LL4148		7371
	3611	4822 116 52256	2k2 5% 0,5W		5506	4822 157 51588	0,82μH 20%		6403	4822 130 80446	LL4148		7380
	3612	4822 116 52283	4k7 5% 0,5W		5507	4822 157 63506	coil		6404	4822 130 80446	LL4148		7381
	3613	4822 051 10202	2k 2% 0,25W		5510	4822 157 62886	33μH 10%8		6417	4822 130 81223	LLZ-C2V4		7384
	3614	4822 116 52249	1k8 5% 0,5W		5511	4822 157 52407	39μH 7,5%		6422	4822 130 80446	LL4148		7400
	3615	4822 116 52224	470Ω 5% 0,5W		5514	4822 157 63256	DC-SHIFT		6440	4822 130 30621	1N4148		7402
	3616	4822 051 10332	3k3 2% 0,25W		5520	4822 157 63514	LINEARITY		6441	4822 130 80446	LL4148		7417
	3617	4822 051 20222	2k2 5% 0,1W		5521	4822 157 63512	LINEARITY CORR.		6452	4822 130 42488	BYD33D		7443
	3618	4822 051 10683	68k 2% 0,25W		5524	4822 526 10494	ferrite bead		6480	4822 130 31554	BZX79-C4V3		7444
	3619	4822 051 20222	2k2 5% 0,1W		5525	4822 157 52392	27μH 10%		6506	5322 130 32184	BYV27/50		7450
	3620	4822 051 10622	6k2 2% 0,25W						6515	4822 130 42488	BYD33D		7451
	3621	4822 051 10114	110k 2% 0,25W										

Large signal panel (continued)

DAF panel **B**

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



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



7469 4822 130 44283 BC636
 7480 4822 130 42513 BC858C
 7481 5322 130 42136 BC848C
 7501 4822 130 42159 TBF819
 7506 4822 130 62843 2SC4288A
 7512 4822 130 41344 BC337-40
 7513 4822 130 41327 BC327-40
 7530 4822 130 61233 BC857
 7540 5322 130 42755 BC847C
 7541 5322 130 42755 BC847C
 7542 5322 130 42756 BC857C
 7543 4822 130 80136 BC856
 7550 4822 130 61003 BD944F
 7551 4822 130 62846 ON4590
 7552 4822 130 62846 ON4590
 7601 4822 130 61207 BC848
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 7610 4822 130 62845 BDT60F
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 7800 5322 209 10576 4053B
 7801 4822 130 61207 BC848
 7802 4822 130 61207 BC848

4822 265 20533 2P male
 4822 265 40596 2P male
 4822 267 41018 2P male
 4822 265 20509 2P male



2860 4822 126 11825 680pF 10% 2KV



3861 4822 051 10123 12k 2% 0,25W






5860 5322 150 31002 AT4043/67

Sn

4822 265 40252	7P male	2138	4822 124 40193	68μF 20% 16V	2375	4822 122 32863	22nF 80% 50V	266
4822 267 50637	10P male	2160	4822 124 40849	330μF 20% 16V	2376	5322 122 31641	47nF 50V	266
4822 265 41113	7P	2161	4822 122 33496	100nF 10% 63V	2377	5322 121 42661	330nF 5% 63V	266
4822 265 41114	9P	2163	4822 122 33496	100nF 10% 63V	2378	4822 122 31947	100nF 20% 63V	266
4822 265 41086	9P male	2164	4822 122 33496	100nF 10% 63V	2379	4822 125 50207	33pF trim.	266
4822 265 41082	10P	2166	4822 124 40684	150μF 20% 6,3V	2380	4822 125 50207	33pF trim.	266
4822 290 40295	7P	2168	4822 122 32927	220nF	2381	5322 121 42661	330nF 5% 63V	266
4822 267 40648	5P male gold plated	2169	4822 122 32442	10nF 50V	2382	5322 122 31647	1nF 10% 63V	268
4822 264 50149	10P male gold plated	2170	4822 124 40195	150μF 20% 16V	2383	4822 122 32442	10nF 50V	268
		2171	4822 122 32862	10nF 80% 50V	2384	5322 122 31647	1nF 10% 63V	269
		2172	4822 124 41506	47μF 20% 16V	2385	4822 122 32442	10nF 50V	269
4822 264 40207	3P male	2193	4822 122 32153	1,8nF 10% 63V	2386	4822 122 32862	10nF 80% 50V	269
4822 264 40207	3P male	2194	4822 122 32153	1,8nF 10% 63V	2387	4822 124 40435	10μF 20% 50V	269
4822 264 50149	10P male gold plated	2196	4822 124 22606	68μF 20% 16V	2388	5322 122 33446	3,3nF 10% 63V	269
4822 264 50149	10P male gold plated	2197	4822 124 22606	68μF 20% 16V	2390	4822 122 32863	22nF 80% 50V	269
		2216	4822 122 31947	100nF 20% 63V	2391	4822 122 32863	22nF 80% 50V	269
		2219	4822 122 32927	220nF	2392	4822 122 32863	22nF 80% 50V	269
4822 264 50149	10P male gold plated	2225	4822 124 41554	220μF 20% 10V	2395	4822 122 32863	22nF 80% 50V	269
		2226	4822 121 42408	220nF 5% 63V	2396	4822 122 32863	22nF 80% 50V	270
4822 265 20512	2P	2228	4822 122 32927	220nF	2397	4822 122 32863	22nF 80% 50V	270
4822 265 40442	10P male	2234	4822 121 42408	220nF 5% 63V	2398	4822 124 40435	10μF 20% 50V	270
4822 265 40442	10P male	2240	4822 122 32927	220nF	2399	4822 124 41506	47μF 20% 16V	270
4822 264 40207	3P male	2241	4822 121 42408	220nF 5% 63V	2400	4822 122 32863	22nF 80% 50V	270
4822 264 40207	3P male	2242	4822 124 40196	220μF 20% 16V	2433	4822 122 32863	22nF 80% 50V	271
4822 265 40442	10P male	2243	4822 121 42408	220nF 5% 63V	2434	5322 122 33446	3,3nF 10% 63V	271
4822 265 40442	10P male							
4822 265 20509	2P	2245	4822 122 32927	220nF	2435	5322 122 33446	3,3nF 10% 63V	272
4822 265 30828	5P male	2249	4822 122 32862	10nF 80% 50V	2436	4822 122 31961	68pF 5% 63V	272
4822 265 30899	5P male	2250	4822 051 10102	1k 2% 0,25W	2438	4822 122 32863	22nF 80% 50V	272
Various parts		2252	4822 121 42408	220nF 5% 63V	2440	4822 122 32863	22nF 80% 50V	272
		2253	4822 122 32863	22nF 80% 50V	2442	4822 122 32863	22nF 80% 50V	272
		2254	4822 122 32927	220nF	2445	4822 122 32927	220nF	273
4822 267 60307	socket SVHS	2255	4822 124 41643	100μF 20% 16V	2446	4822 122 32927	220nF	273
4822 267 60304	socket SCART + 4xCINCH	2257	4822 122 33496	100nF 10% 63V	2447	4822 122 32927	220nF	
4822 267 51058	socket SCART	2258	4822 122 31765	100pF 5% 50V	2451	5322 121 42661	330nF 5% 63V	
4822 267 51099	socket 2xCINCH + 1xSVHS	2260	4822 122 31947	100nF 20% 63V	2452	4822 124 40242	1μF 20% 63V	310
4822 267 51098	socket HEADPH. + CINCH	2268	4822 122 31947	100nF 20% 63V	2453	4822 122 31774	56pF 5% 50V	310
4822 218 20986	keyboard	2269	4822 122 32482	22pF 5% 63V	2454	4822 122 32444	33pF 5% 50V	310
4822 267 60307	socket SVHS	2270	4822 122 32863	22nF 80% 50V	2455	4822 122 32444	33pF 5% 50V	310
4822 255 40901	socket 40 POLE	2274	4822 122 32862	10nF 80% 50V	2456	4822 122 32444	33pF 5% 50V	310
1100	4822 212 23281	2301	5322 122 31647	1nF 10% 63V	2476	4822 124 41577	4,7μF 20% 50V	311
1160	4822 210 10409	2305	4822 122 32444	33pF 5% 50V	2478	4822 122 31784	4,7nF 10% 50V	311
1160	4822 210 10416	2306	4822 122 31772	47pF 5% 50V	2479	4822 122 32863	22nF 80% 50V	311
1160	4822 210 10412	2307	4822 122 31971	10pF 10% 50V	2480	4822 124 40272	33μF 20% 16V	311
1231	4822 242 80364	2310	4822 122 31961	68pF 5% 63V	2600	4822 122 31947	100nF 20% 63V	312
1248	4822 242 80364	2311	4822 122 31808	150pF 10% 50V	2602	4822 122 31947	100nF 20% 63V	312
1379	4822 242 70736	2312	4822 122 32863	22nF 80% 50V	2604	4822 122 31947	100nF 20% 63V	312
		2318	4822 121 42408	220nF 5% 63V	2606	4822 122 31947	100nF 20% 63V	312
1380	4822 242 70304	2324	4822 122 32863	22nF 80% 50V	2608	4822 122 32927	220nF	312
		2338	4822 122 31772	47pF 5% 50V	2620	4822 122 33496	100nF 10% 63V	312
1602	4822 242 73857	2342	4822 122 31972	39pF 5% 50V	2621	4822 122 33496	100nF 10% 63V	312
		2343	4822 122 31727	470pF 5% 63V	2622	4822 122 33496	100nF 10% 63V	312
		2344	4822 122 31775	680pF 5% 50V	2623	4822 122 33496	100nF 10% 63V	312
		2345	4822 122 31807	1200pF 5% 50V	2624	5322 122 31842	330pF 5% 63V	312
		2346	4822 051 10008	0Ω 5% 0,25W	2626	4822 121 42408	220nF 5% 63V	313
		2347	5322 122 31647	1nF 10% 63V	2627	4822 124 41678	22μF 20% 25V	313
		2353	4822 122 32862	10nF 80% 50V	2628	5322 122 31842	330pF 5% 63V	313
2100	4822 124 40684	2360	4822 124 40272	33μF 20% 16V	2630	4822 122 32927	220nF	313
2114	4822 124 22606	2361	4822 124 40849	330μF 20% 16V	2632	5322 122 31842	330pF 5% 63V	313
2118	4822 122 31797	2365	4822 122 31352	180pF 2% 100V	2634	4822 121 42408	220nF 5% 63V	313
2119	4822 122 31797	2366	4822 122 32863	22nF 80% 50V	2636	5322 122 31842	330pF 5% 63V	313
2120	4822 122 32863	2367	4822 122 32862	10nF 80% 50V	2638	4822 121 42408	220nF 5% 63V	313
2121	5322 122 31647	2368	4822 122 32862	10nF 80% 50V	2640	5322 122 31842	330pF 5% 63V	313
2122	4822 122 32442	2369	4822 122 31825	27pF 10% 50V	2642	4822 122 32927	220nF	314
2123	4822 126 11804	2371	4822 122 31825	27pF 10% 50V	2644	5322 122 31842	330pF 5% 63V	314
2130	4822 122 31797	2372	4822 122 31965	220pF 5% 63V	2646	4822 122 32927	220nF	314
2131	4822 124 22606	2373	4822 122 31965	220pF 5% 63V	2658	4822 122 31961	68pF 5% 63V	314
2132	4822 122 31797	2374	4822 122 32863	22nF 80% 50V	2659	4822 122 31961	68pF 5% 63V	314
2137	4822 122 32442	2374	4822 051 10008	0Ω 5% 0,25W	2660	5322 122 31647	1nF 10% 63V	314

Small signal panel (continued)

									
0% 50V	2662	5322 122 31647	1nF 10% 63V	3146	4822 050 11002	1k 1% 0,4W	3237	4822 116 52217	270Ω 5% 0,5W
0V	2664	4822 122 32153	1,8nF 10% 63V	3148	4822 051 10473	47k 2% 0,25W	3238	4822 116 52222	390Ω 5% 0,5W
5% 63V	2666	4822 122 32153	1,8nF 10% 63V	3149	4822 051 10473	47k 2% 0,25W	3239	4822 051 10271	270Ω 2% 0,25W
20% 63V	2680	4822 122 31947	100nF 20% 63V	3150	4822 051 10473	47k 2% 0,25W	3240	4822 051 10759	75Ω 2% 0,25W
m.	2681	4822 122 32542	47nF 10% 63V	3151	4822 051 10562	5k6 2% 0,25W	3241	4822 051 10759	75Ω 2% 0,25W
m.	2682	4822 124 40195	150μF 20% 16V	3153	4822 051 10103	10k 2% 0,25W	3242	4822 116 52219	330Ω 5% 0,5W
5% 63V	2684	4822 121 51252	470nF 5% 63V	3154	4822 051 10152	1k5 2% 0,25W	3243	4822 051 10152	1k5 2% 0,25W
% 63V	2686	4822 121 51252	470nF 5% 63V	3155	4822 051 10104	100k 2% 0,25W	3244	4822 051 10102	1k 2% 0,25W
0V	2688	4822 122 31782	15nF 10% 50V	3156	4822 051 10562	5k6 2% 0,25W	3245	4822 051 10474	470k 2% 0,25W
% 63V	2690	4822 122 31782	15nF 10% 50V	3157	4822 050 11002	1k 1% 0,4W	3246	4822 051 10331	330Ω 2% 0,25W
0V	2692	4822 122 31981	33nF + -0,5pF 50V	3158	4822 050 11002	1k 1% 0,4W	3247	4822 051 10102	1k 2% 0,25W
0% 50V	2694	4822 122 31916	5,6nF 10% 63V	3159	4822 051 10103	10k 2% 0,25W	3248	4822 051 10681	680Ω 2% 0,25W
0% 63V	2696	4822 122 31981	33nF + -0,5pF 50V	3160	4822 052 10758	7Ω5 5% 0,33W	3249	4822 051 10102	1k 2% 0,25W
0% 50V				3161	4822 051 10103	10k 2% 0,25W	3251	4822 051 10759	75Ω 2% 0,25W
0% 50V	2697	4822 122 31965	220pF 5% 63V	3162	4822 050 27508	7Ω5 1% 0,6W	3252	4822 051 10759	75Ω 2% 0,25W
0% 50V	2698	4822 122 31916	5,6nF 10% 63V	3163	4822 051 10223	22k 2% 0,25W	3253	4822 051 10561	560Ω 2% 0,25W
0% 50V	2699	4822 122 31965	220pF 5% 63V	3164	4822 051 10101	100Ω 2% 0,25W	3254	4822 116 81193	15Ω 5% 0,3W
0% 50V	2700	4822 124 40242	1μF 20% 63V	3165	4822 051 10101	100Ω 2% 0,25W	3255	4822 051 10821	820Ω 2% 0,25W
0% 50V	2702	4822 124 40242	1μF 20% 63V	3166	4822 052 10228	2Ω2 5% 0,33W	3256	4822 051 10103	10k 2% 0,25W
0% 50V	2704	4822 122 31644	2,2nF 10% 63V	3167	4822 051 10122	1k2 2% 0,25W	3257	4822 051 10103	10k 2% 0,25W
0% 18V	2706	4822 124 41678	22μF 20% 25V	3168	4822 051 10242	2k4 2% 0,25W	3259	4822 051 10103	10k 2% 0,25W
0% 50V	2707	4822 122 31784	4,7nF 10% 50V	3169	4822 116 52175	100Ω 5% 0,5W	3260	4822 116 81193	15Ω 5% 0,3W
0% 50V	2714	4822 122 32863	22nF 80% 50V	3170	4822 116 82772	3Ω9 5% 0,3W	3261	4822 051 10471	470Ω 2% 0,25W
0% 63V	2716	4822 122 32597	6,8nF 10% 63V	3171	4822 052 11511	510Ω 5% 0,5W	3262	4822 051 10103	10k 2% 0,25W
0% 63V	2720	4822 124 41678	22μF 20% 25V	3172	4822 111 41424	22Ω 5% 0,3W	3263	4822 051 10689	68Ω 2% 0,25W
% 63V	2721	4822 122 31784	4,7nF 10% 50V	3180	4822 116 52224	470Ω 5% 0,5W	3264	4822 051 10471	470Ω 2% 0,25W
0% 50V	2726	4822 122 31644	2,2nF 10% 63V	3181	4822 051 10822	8k2 2% 0,25W	3265	4822 051 10103	10k 2% 0,25W
0% 50V	2727	4822 124 40435	10μF 20% 50V	3182	4822 116 52214	200Ω 5% 0,5W	3266	4822 051 10103	10k 2% 0,25W
0% 50V	2728	4822 124 40435	10μF 20% 50V	3183	4822 116 52233	10k 5% 0,5W	3267	4822 051 10103	10k 2% 0,25W
	2734	4822 122 32863	22nF 80% 50V	3184	4822 116 90536	120Ω 1% 0,125W	3268	4822 051 10101	100Ω 2% 0,25W
	2736	4822 122 32597	6,8nF 10% 63V	3185	4822 051 10471	470Ω 2% 0,25W	3269	4822 051 10561	560Ω 2% 0,25W
% 63V				3186	4822 116 52256	2k2 5% 0,5W	3270	4822 051 10472	4k7 2% 0,25W
6 63V				3187	4822 051 10759	75Ω 2% 0,25W	3271	4822 051 10471	470Ω 2% 0,25W
6 50V	3100	4822 051 10102	1k 2% 0,25W	3188	4822 051 20222	2k2 5% 0,1W	3272	4822 116 52228	680Ω 5% 0,5W
6 50V	3101	4822 116 52175	100Ω 5% 0,5W	3189	4822 051 10223	22k 2% 0,25W	3273	4822 051 10471	470Ω 2% 0,25W
6 50V	3103	4822 051 10101	100Ω 2% 0,25W	3191	4822 116 81202	62k 1% 0,125W	3274	4822 051 10103	10k 2% 0,25W
6 50V	3104	4822 116 52175	100Ω 5% 0,5W	3193	4822 051 10331	330Ω 2% 0,25W	3275	4822 051 10689	68Ω 2% 0,25W
0% 50V	3105	4822 051 10101	100Ω 2% 0,25W	3194	4822 051 10331	330Ω 2% 0,25W	3276	4822 051 10471	470Ω 2% 0,25W
0% 50V	3115	4822 116 52175	100Ω 5% 0,5W	3196	4822 051 10473	47k 2% 0,25W	3277	4822 051 10271	270Ω 2% 0,25W
0% 50V	3116	4822 116 52175	100Ω 5% 0,5W	3197	4822 051 10473	47k 2% 0,25W	3279	4822 051 10689	68Ω 2% 0,25W
0% 16V	3117	4822 051 20222	2k2 5% 0,1W	3200	4822 051 10472	4k7 2% 0,25W	3281	4822 116 52201	75Ω 5% 0,5W
0% 63V	3119	4822 051 20222	2k2 5% 0,1W	3201	4822 051 10472	4k7 2% 0,25W	3285	4822 051 10103	10k 2% 0,25W
0% 63V	3120	4822 051 20222	2k2 5% 0,1W	3205	4822 051 10759	75Ω 2% 0,25W	3286	4822 051 10103	10k 2% 0,25W
0% 63V	3121	4822 051 10123	12k 2% 0,25W	3206	4822 051 10759	75Ω 2% 0,25W	3300	4822 051 10103	10k 2% 0,25W
0% 63V	3122	4822 051 10472	4k7 2% 0,25W	3207	4822 051 10759	75Ω 2% 0,25W	3301	4822 051 10332	3k3 2% 0,25W
0% 63V	3123	4822 051 10472	4k7 2% 0,25W	3208	4822 051 10101	100Ω 2% 0,25W	3303	4822 051 10361	360Ω 2% 0,25W
0% 63V	3124	4822 051 10101	100Ω 2% 0,25W	3209	4822 051 10101	100Ω 2% 0,25W	3303	4822 051 10241	240Ω 2% 0,25W
0% 63V	3125	4822 051 10101	100Ω 2% 0,25W	3210	4822 051 10101	100Ω 2% 0,25W	3304	4822 116 90536	120Ω 1% 0,125W
0% 63V	3126	4822 051 10101	100Ω 2% 0,25W	3211	4822 116 52217	270Ω 5% 0,5W	3305	4822 051 10104	100k 2% 0,25W
0% 63V	3127	4822 051 10101	100Ω 2% 0,25W	3215	4822 051 10689	68Ω 2% 0,25W	3306	4822 051 10221	220Ω 2% 0,25W
0% 63V	3128	4822 051 10471	470Ω 2% 0,25W	3216	4822 116 81193	15Ω 5% 0,3W	3310	4822 116 52283	4k7 5% 0,5W
0% 63V	3129	4822 116 52175	100Ω 5% 0,5W	3217	4822 116 52224	470Ω 5% 0,5W	3311	4822 051 10132	1k3 2% 0,25W
0% 25V	3131	4822 116 52175	100Ω 5% 0,5W	3218	4822 051 10471	470Ω 2% 0,25W	3312	4822 051 10511	510Ω 2% 0,25W
% 63V	3132	4822 116 52175	100Ω 5% 0,5W	3219	4822 051 10471	470Ω 2% 0,25W	3313	4822 051 20222	2k2 5% 0,1W
% 63V	3133	4822 051 10151	150Ω 2% 0,25W	3220	4822 051 10471	470Ω 2% 0,25W	3314	4822 051 10102	1k 2% 0,25W
% 63V	3134	4822 116 52175	100Ω 5% 0,5W	3222	4822 116 52217	270Ω 5% 0,5W	3315	4822 051 10103	10k 2% 0,25W
% 63V	3135	4822 051 10101	100Ω 2% 0,25W	3224	4822 051 10759	75Ω 2% 0,25W	3316	4822 051 10112	1k1 2% 0,25W
% 63V	3136	4822 051 10101	100Ω 2% 0,25W	3225	4822 051 10471	470Ω 2% 0,25W	3317	4822 116 52233	10k 5% 0,5W
% 63V	3137	4822 116 52183	16Ω 5% 0,5W	3226	4822 051 10152	1k5 2% 0,25W	3324	4822 051 10223	22k 2% 0,25W
% 63V	3138	4822 116 52175	100Ω 5% 0,5W	3227	4822 051 10112	1k1 2% 0,25W	3325	4822 051 10682	6k8 2% 0,25W
% 63V	3139	4822 116 52175	100Ω 5% 0,5W	3228	4822 051 10474	470k 2% 0,25W	3326	4822 051 10103	10k 2% 0,25W
% 63V	3140	4822 050 11002	1k 1% 0,4W	3229	4822 051 10331	330Ω 2% 0,25W	3327	4822 051 10122	1k2 2% 0,25W
% 63V	3141	4822 050 11002	1k 1% 0,4W	3230	4822 050 11002	1k 1% 0,4W	3329	4822 051 10118	1Ω1 5% 0,25W
6 63V	3142	4822 050 11002	1k 1% 0,4W	3231	4822 051 10681	680Ω 2% 0,25W	3336	4822 051 10472	4k7 2% 0,25W
6 63V	3143	4822 050 11002	1k 1% 0,4W	3232	4822 051 10102	1k 2% 0,25W	3338	4822 051 10391	390Ω 2% 0,25W
6 63V	3144	4822 050 11002	1k 1% 0,4W	3233	4822 051 10102	1k 2% 0,25W	3339	4822 051 10153	15k 2% 0,25W
	3145	4822 050 11002	1k 1% 0,4W	3234	4822 051 10759	75Ω 2% 0,25W	3342	4822 051 20222	2k2 5% 0,1W
				3235	4822 051 10759	75Ω 2% 0,25W	3344	4822 051 10273	27k 2% 0,25W

Small signal panel (continued)



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

Jumpers

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

Jumpers

4235	4822 051 10008	0Ω 5% 0,25W
4236	4822 051 10008	0Ω 5% 0,25W
4241	4822 051 10008	0Ω 5% 0,25W
4246	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4260	4822 051 10008	0Ω 5% 0,25W
4262	4822 051 10008	0Ω 5% 0,25W
4280	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10008	0Ω 5% 0,25W
4320	4822 051 10008	0Ω 5% 0,25W
4321	4822 051 10008	0Ω 5% 0,25W
4322	4822 051 10008	0Ω 5% 0,25W
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4360	4822 051 10008	0Ω 5% 0,25W
4361	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4450	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4455	4822 051 10008	0Ω 5% 0,25W
4476	4822 051 10008	0Ω 5% 0,25W
4477	4822 051 10008	0Ω 5% 0,25W
4496	4822 051 10008	0Ω 5% 0,25W
4498	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W
4672	4822 051 10008	0Ω 5% 0,25W
4673	4822 051 10008	0Ω 5% 0,25W

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



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

Small signal panel



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

Small signal panel (continued)



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



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



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

16/9 identification panel **A C**

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



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



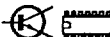
3457 4822 051 10153 15k 2% 0,25W
 3459 4822 051 10103 10k 2% 0,25W
 3462 4822 051 10153 15k 2% 0,25W
 3463 4822 051 10103 10k 2% 0,25W
 3464 4822 051 10472 4k7 2% 0,25W
 3465 4822 051 10472 4k7 2% 0,25W
 3466 4822 051 10151 150Ω 2% 0,25W
 3467 4822 051 10101 100Ω 2% 0,25W
 3468 4822 051 10101 100Ω 2%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

Jumpers

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








6451 4822 130 80446 LL4148
 6452 4822 130 80446 LL4148





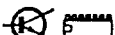


7452 5322 209 10883 PCF8574P
 7453 4822 130 42513 BC858C
 7454 4822 130 42513 BC858C
 7455 5322 130 41982 BC848B

High end-box **L M**

High

																	
	4822 255 40901	IC socket 40P	2152	4822 122 31766	120pF 5% 50V	2230	4822 122 32142	270pF 5% 63V	313			313					
	4822 267 70257	IC socket 48P	2153	4822 126 11492	220nF 10% 50V	2233	4822 122 31965	220pF 5% 63V	313			313					
	4822 267 60253	IC socket 22P	2154	4822 122 33496	100nF 10% 63V	2235	4822 122 33498	2,7nF 10% 63V	314			314					
	4822 267 60253	IC socket 22P	2156	4822 122 31765	100pF 5% 50V	2236	4822 122 32891	68nF 10% 63V	314			314					
	4822 267 50885	IC socket 16P.	2157	4822 122 31765	100pF 5% 50V	2237	4822 122 33496	100nF 10% 63V	314			314					
	4822 267 50885	IC socket 16P.	2158	4822 122 33496	100nF 10% 63V	2250	4822 122 33496	100nF 10% 63V	314			314					
	4822 267 50885	IC socket 16P.	2160	4822 122 31765	100pF 5% 50V	2251	4822 124 41554	220µF 20% 10V	314			314					
	4822 265 40472	10P gold plated	2161	4822 122 31765	100pF 5% 50V	2252	4822 122 33496	100nF 10% 63V	314			314					
	4822 265 40472	10P gold plated	2162	4822 122 33496	100nF 10% 63V	2253	4822 121 51252	470nF 5% 63V	314			314					
	4822 265 40472	10P gold plated	2163	4822 122 33496	100nF 10% 63V	2254	4822 121 51252	470nF 5% 63V	314			314					
Various parts			2164	4822 122 33496	100nF 10% 63V	2255	4822 122 33496	100nF 10% 63V	314			314					
1100	4822 242 72572	crystal 12,000 000 MHz	2165	4822 122 31981	33nF + -0,5pF 50V	2256	4822 122 31965	220pF 5% 63V	315			315					
1200	4822 242 71417	crystal 13,875 000 MHz	2166	4822 122 33496	100nF 10% 63V	2257	4822 122 31965	220pF 5% 63V	315			315					
			2167	4822 122 33496	100nF 10% 63V	2258	4822 122 31769	18pF 5% 50V	315			315					
2100	4822 122 32999	2,2N 5% 63V	2168	4822 122 33496	100nF 10% 63V	2259	4822 122 31774	56pF 5% 50V	315			315					
2101	4822 122 32999	2,2N 5% 63V	2169	4822 122 33496	100nF 10% 63V	2260	4822 122 31774	56pF 5% 50V	315			315					
2102	4822 122 31825	27pF 10% 50V	2170	4822 122 33496	100nF 10% 63V	2261	4822 122 33496	100nF 10% 63V	315			315					
2103	4822 122 31825	27pF 10% 50V	2171	4822 122 33496	100nF 10% 63V	2262	4822 124 41643	100µF 20% 16V	315			315					
2104	4822 124 40435	10µF 20% 50V	2172	4822 122 33496	100nF 10% 63V	2265	4822 124 41643	100µF 20% 16V	315			315					
2105	4822 122 33496	100nF 10% 63V	2173	4822 122 33496	100nF 10% 63V	2266	4822 122 33496	100nF 10% 63V	316			316					
2106	4822 122 33498	2,7nF 10% 63V	2174	4822 122 33496	100nF 10% 63V	2267	4822 122 33496	100nF 10% 63V	316			316					
2107	4822 124 40435	10µF 20% 50V	2175	4822 122 33496	100nF 10% 63V	2268	4822 124 41997	470µF 10V	316			316					
2108	4822 124 41506	47µF 20% 16V	2176	4822 122 33496	100nF 10% 63V	2269	4822 122 33496	100nF 10% 63V	316			316					
2109	4822 122 31965	220pF 5% 63V	2177	4822 122 33496	100nF 10% 63V	2270	4822 122 33496	100nF 10% 63V	316			316					
2110	4822 122 31965	220pF 5% 63V	2178	4822 122 33496	100nF 10% 63V	2271	4822 122 33496	100nF 10% 63V	316			316					
2111	5322 122 31842	330pF 5% 63V	2179	4822 122 31774	56pF 5% 50V	2272	4822 122 33496	100nF 10% 63V	316			316					
2112	4822 122 33496	100nF 10% 63V	2180	4822 122 31774	56pF 5% 50V	2273	4822 124 40731	330µF 20% 6,3V	316			316					
2113	5322 122 32163	5,6pF 5% 100V	2181	4822 122 33496	100nF 10% 63V	2274	4822 124 40435	10µF 20% 50V	316			316					
2114	4822 122 33496	100nF 10% 63V	2182	4822 122 33496	100nF 10% 63V	2275	4822 122 33496	100nF 10% 63V	317			317					
2115	4822 122 31965	220pF 5% 63V	2183	4822 122 33496	100nF 10% 63V	2276	4822 122 33496	100nF 10% 63V	317			317					
2116	4822 122 31965	220pF 5% 63V	2184	4822 122 31772	47pF 5% 50V	2277	4822 124 41506	47µF 20% 16V	317			317					
2117	5322 122 31842	330pF 5% 63V	2185	4822 122 31772	47pF 5% 50V				317			317					
2118	4822 122 31981	33nF + -0,5pF 50V	2186	4822 122 32082	4,7pF 5% 50V	3001	4822 051 10339	33Ω 2% 0,25W	317			317					
2119	4822 126 11492	220nF 10% 50V	2187	4822 124 40435	10µF 20% 50V	3001	4822 051 10399	39Ω 2% 0,25W	317			317					
2120	4822 122 31797	22nF 10% 63V	2188	4822 122 32999	2,2nF 5% 63V	3100	4822 051 20222	2k2 5% 0,1W	317			317					
2121	4822 122 31797	22nF 10% 63V	2189	4822 122 32442	10nF 50V	3101	4822 051 20222	2k2 5% 0,1W	319			319					
2122	4822 122 32442	10nF 50V	2198	4822 122 31971	10pF 10% 50V	3102	4822 051 10473	47k 2% 0,25W	320			320					
2123	4822 122 33496	100nF 10% 63V	2199	4822 122 31772	47pF 5% 50V	3103	4822 051 10473	47k 2% 0,25W	320			320					
2124	4822 122 33496	100nF 10% 63V	2200	4822 124 41643	100µF 20% 16V	3104	4822 051 10201	200Ω 2% 0,25W	320			320					
2125	4822 122 31971	10pF 10% 50V	2201	5322 122 31842	330pF 5% 63V	3106	4822 051 10752	7k5 2% 0,25W	320			320					
2126	4822 122 33496	100nF 10% 63V	2202	4822 124 41576	2,2µF 20% 50V	3107	4822 051 10562	5k6 2% 0,25W	320			320					
2127	4822 122 33496	100nF 10% 63V	2203	4822 122 31825	27pF 10% 50V	3108	4822 051 10331	330Ω 2% 0,25W	320			320					
2128	4822 122 33496	100nF 10% 63V	2204	4822 122 32442	10nF 50V	3109	4822 051 10152	1k5 2% 0,25W	320			320					
2130	4822 122 31765	100pF 5% 50V	2205	4822 122 32442	10nF 50V	3110	4822 051 10102	1k 2% 0,25W	320			320					
2131	4822 122 31765	100pF 5% 50V	2206	4822 122 32504	15pF 5% 50V	3111	4822 051 10473	47k 2% 0,25W	320			320					
2133	4822 122 31765	100pF 5% 50V	2207	4822 122 31765	100pF 5% 50V	3112	4822 051 10103	10k 2% 0,25W	321			321					
2134	4822 122 31746	1000pF 5% 50V	2208	4822 122 32142	270pF 5% 63V	3113	4822 051 10109	10Ω 2% 0,25W	321			321					
2135	4822 122 31772	47pF 5% 50V	2209	4822 122 31797	22nF 10% 63V	3114	4822 051 10104	100k 2% 0,25W	321			321					
2136	4822 122 31746	1000pF 5% 50V	2210	4822 122 31727	470pF 5% 63V	3119	4822 051 10152	1k5 2% 0,25W	321			321					
2137	4822 122 32504	15pF 5% 50V	2211	5322 122 31647	1nF 10% 63V	3120	4822 051 10332	3k3 2% 0,25W	321			321					
2138	4822 122 31971	10pF 10% 50V	2212	4822 122 32504	15pF 5% 50V	3121	4822 051 10472	4k7 2% 0,25W	321			321					
2139	4822 122 31971	10pF 10% 50V	2213	4822 122 31765	100pF 5% 50V	3122	4822 051 10473	47k 2% 0,25W	321			321					
2140	4822 122 31971	10pF 10% 50V	2214	4822 122 31765	100pF 5% 50V	3123	4822 051 10152	1k5 2% 0,25W	321			321					
2141	4822 122 31772	47pF 5% 50V	2215	4822 124 41576	2,2µF 20% 50V	3124	482										

High end-box (continued)

					
5% 63V	3138	4822 051 10124	120k 2% 0,25W	7100	4822 130 61207 BC848
5% 63V	3139	4822 051 10101	100Ω 2% 0,25W	7102	4822 130 61207 BC848
0% 63V	3140	4822 051 10224	220k 2% 0,25W	7103	5322 130 42012 BC858
0% 63V	3141	4822 051 10223	22k 2% 0,25W	7104	4822 130 61207 BC848
0% 63V	3142	4822 051 10104	100k 2% 0,25W	7105	5322 130 42012 BC858
10% 63V	3143	4822 051 10104	100k 2% 0,25W	7106	4822 130 61207 BC848
10% 10V	3144	4822 051 10272	2k7 2% 0,25W	7107	4822 130 61207 BC848
0% 63V	3145	4822 051 10759	75Ω 2% 0,25W	7108	4822 130 40938 BC548
5% 63V	3146	4822 051 20222	2k2 5% 0,1W	7109	5322 130 42012 BC858A
5% 63V	3147	4822 051 10479	47Ω 2% 0,25W	7110	5322 130 42012 BC858
0% 63V	3148	4822 051 10479	47Ω 2% 0,25W	7111	4822 130 61207 BC848
5% 63V	3151	4822 051 10271	270Ω 2% 0,25W	7112	5322 130 42012 BC858
5% 63V	3152	4822 051 10621	620Ω 2% 0,25W	7113	5322 130 42012 BC858
6 50V	3153	4822 051 10122	1k2 2% 0,25W	7116	4822 130 42131 BF550
6 50V	3155	4822 051 10221	220Ω 2% 0,25W	7117	4822 130 42131 BF550
6 50V	3156	4822 051 10221	220Ω 2% 0,25W	7119	5322 130 42136 BC848C
0% 63V	3157	4822 051 10181	180Ω 2% 0,25W	7120	5322 130 42136 BC848C
0% 16V	3158	4822 051 10331	330Ω 2% 0,25W	7121	5322 130 42136 BC848C
0% 16V	3159	4822 051 20222	2k2 5% 0,1W	7122	5322 130 42136 BC848C
0% 63V	3160	4822 051 10241	240Ω 2% 0,25W	7123	5322 130 42012 BC858
0% 63V	3161	4822 051 10101	100Ω 2% 0,25W	7124	5322 130 42136 BC848C
0V	3162	4822 051 10221	220Ω 2% 0,25W	7125	5322 130 42136 BC848C
0% 63V	3163	4822 051 10471	470Ω 2% 0,25W	7156	4822 130 61207 BC848
0% 63V	3164	4822 051 20222	2k2 5% 0,1W	7157	4822 130 61207 BC848
0% 63V	3165	4822 051 10471	470Ω 2% 0,25W	7159	4822 130 61207 BC848
0% 63V	3166	4822 051 20222	2k2 5% 0,1W	7160	5322 130 42012 BC858
0% 6,3V	3168	4822 051 10101	100Ω 2% 0,25W	7200	4822 209 63645 SAA5231/V7
5% 50V	3169	4822 051 10474	470k 2% 0,25W	7201	4822 209 63902 SAA9042P/A/MO A
0% 63V	3170	4822 116 83319	287Ω 1% 0,125W	7202	4822 209 63893 LH2464-10
0% 63V	3171	4822 051 10681	680Ω 2% 0,25W	7203	4822 209 63297 TDA2579B/N1
5% 16V	3172	4822 051 10391	390Ω 2% 0,25W	7204	4822 209 63903 PCF80C51BH-3P/J265
0,25W	3173	4822 051 10102	1k 2% 0,25W	7205	4822 209 63892 UPD91237C/CEO 28A
0,25W	3174	4822 051 10102	1k 2% 0,25W	7206	4822 209 82341 PC74HCT04P
0,1W	3175	4822 051 10683	68k 2% 0,25W	7207	4822 209 82341 PC74HCT04P
0,1W	3176	4822 051 10103	10k 2% 0,25W	7209	4822 209 83163 LM833N
0,25W	3178	4822 051 10122	1k2 2% 0,25W	7210	4822 209 63894 PC74HCT4066P
0,25W	3198	4822 051 10008	0Ω 5% 0,25W	7211	4822 209 60199 MN6550B
0,25W	3200	4822 052 10189	18Ω 5% 0,33W	7212	4822 209 60199 MN6550B
0,25W	3202	4822 051 10101	100Ω 2% 0,25W	7213	4822 209 60199 MN6550B
0,25W	3203	4822 051 10101	100Ω 2% 0,25W	7214	5322 209 11588 PC74HCT195P
0,25W	3204	4822 051 10103	10k 2% 0,25W	7215	5322 209 11588 PC74HCT195P
0,25W	3205	4822 051 10102	1k 2% 0,25W	7216	5322 209 11588 PC74HCT195P
0,25W	3206	4822 051 10332	3k3 2% 0,25W	7217	5322 209 11588 PC74HCT195P
0,25W	3207	4822 051 10104	100k 2% 0,25W	7218	4822 209 72042 MC78L05ACP
0,25W	3208	4822 051 10102	1k 2% 0,25W	7250	4822 209 60525 TMS4C1050-3N
0,25W	3209	4822 051 10562	5k6 2% 0,25W	7251	4822 209 60525 TMS4C1050-3N
0,25W	3210	4822 111 41424	22Ω 5% 0,3W	7252	4822 209 60525 TMS4C1050-3N
0,25W	3211	4822 051 10229	22Ω 2% 0,25W	7253	4822 209 63891 SDA9060
0,25W	3212	4822 051 10122	1k2 2% 0,25W	7254	4822 209 63897 TDA4563/V5
0,25W	3213	4822 051 10561	560Ω 2% 0,25W	7255	4822 209 72042 MC78L05ACP
0,25W	3214	4822 051 10303	30k 2% 0,25W		
0,25W	3215	4822 051 10102	1k 2% 0,25W		
0,25W	3216	4822 051 10562	5k6 2% 0,25W		
0,25W	3217	4822 051 10101	100Ω 2% 0,25W		
0,25W	3218	4822 051 10155	1M 5 5% 0,25W		
0,25W	3220	4822 051 10473	47k 2% 0,25W		
0,25W	3221	4822 051 10181	180Ω 2% 0,25W		
0,25W	3222	4822 051 10683	68k 2% 0,25W		
0,25W	3223	4822 051 10102	1k 2% 0,25W		
0,25W	3224	4822 051 20222	2k2 5% 0,1W		
0,25W	3225	4822 051 10221	220Ω 2% 0,25W		
0,25W	3226	4822 051 10681	680Ω 2% 0,25W		
0,25W	3227	4822 051 10221	220Ω 2% 0,25W		
0,25W	3228	4822 100 20166	10k 30% LIN		
0,25W	3230	4822 051 10562	5k6 2% 0,25W		
0,25W	3231	4822 051 20222	2k2 5% 0,1W		
0,25W	3232	4822 051 10102	1k 2% 0,25W		
0,3W	3251	4822 051 10393	39k 2% 0,25W		
0,25W	3252	4822 051 10751	750Ω 2% 0,25W		
0,25W	3253	4822 051 10751	750Ω 2% 0,25W		
0,25W	3254	4822 051 10241	240Ω 2% 0,25W		
0,25W	3255	4822 051 10471	470Ω 2% 0,25W		
0,25W	3256	4822 051 10102	1k 2% 0,25W		
0,25W	3260	4822 051 10822	8k2 2% 0,25W		
0,25W	3261	4822 051 10472	4k7 2% 0,25W		
0,25W	3262	4822 111 41424	22Ω 5% 0,3W		
0,25W	3263	4822 051 20222	2k2 5% 0,1W		
0,25W	3264	4822 051 20222	2k2 5% 0,1W		
0,25W	3265	4822 051 20222	2k2 5% 0,1W		
0,25W	3270	4822 051 20222	2k2 5% 0,1W		
0,25W	3272	4822 051 20222	2k2 5% 0,1W		
0,25W	3273	4822 051 20222	2k2 5% 0,1W		
0,25W	3274	4822 051 10223	22k 2% 0,25W		
0,25W	3275	4822 051 10102	1k 2% 0,25W		
0,25W	3276	4822 051 10392	3k9 2% 0,25W		
0,25W	3277	4822 051 20222	2k2 5% 0,1W		
0,25W	3278	4822 051 10103	10k 2% 0,25W		
0,25W	3279	4822 051 10122	1k2 2% 0,25W		
0,25W	3280	4822 051 10102	1k 2% 0,25W		
0,25W	3281	4822 051 20222	2k2 5% 0,1W		
0,25W	3290	4822 051 10561	560Ω 2% 0,25W		
0,25W	3291	4822 051 10561	560Ω 2% 0,25W		
0,25W	3292	4822 051 10561	560Ω 2% 0,25W		
0,25W	3293	4822 051 10561	560Ω 2% 0,25W		
0,25W	Jumpers				
0,25W	4001	4822 051 10008	0Ω 5% 0,25W		
0,25W	4003	4822 051 10008	0Ω 5% 0,25W		
0,25W					
0,25W	5100	4822 157 63246	6μH trim.		
0,25W	5101	4822 157 63247	1,4μH trim.		
0,25W	5102	4822 157 52403	3,3μH 10%		
0,25W	5103	4822 157 60147	2,2μH		
0,25W	5104	4822 157 60147	2,2μH		
0,25W	5105	4822 157 60147	2,2μH		
0,25W	5106	4822 157 60147	2,2μH		
0,25W	5107	4822 157 60147	2,2μH		
0,25W	5108	4822 157 60147	2,2μH		
0,25W	5109	4822 157 60147	2,2μH		
0,25W	5110	4822 157 63503	4,6μH 6%		
0,25W	5150	4822 157 52224	15μH 10%		
0,25W	5151	4822 157 60498	56μH 10%		
0,25W	5152	4822 157 60498	56μH 10%		
0,25W	5201	4822 157 52224	15μH 10%		
0,25W	5202	4822 157 52138	27μH 10%		
0,25W	5251	4822 157 60147	2,2μH		
0,25W	5252	4822 157 60147	2,2μH		
0,25W					
0,25W	6102	5322 130 80119	BBY40		
0,25W	6103	5322 130 80119	BBY40		
0,25W	6106	4822 130 80888	BA682		
0,25W	6107	4822 130 80888	BA682		
0,25W	6150	4822 130 80446	LL4148		
0,25W	6151	4822 130 80446	LL4148		
0,25W	6160	4822 130 80446	LL4148		
0,25W	6200	4822 130 80884	LLZ-C5V1		
0,25W	6201	4822 130 31253	BZX55-C2V4		
0,25W	6202	4822 130 80446	LL4148		
0,25W	6250	4822 130 33706	BZX84-B5V1		
0,25W	6251	4822 130 80446	LL4148		

Secon

Second tuner PIP (continued)



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

Jumper

4003	5322 122 31647	1nF 10% 63V
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4047	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W



5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 116 52184	18Ω 5% 0,5W



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



7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7470	4822 130 62844	BD826-16
7471	4822 130 62846	ON4590
7472	4822 130 62846	ON4590
7473	5322 130 41982	BC848B
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 63423	TDA2579A/N8/S2

NICAM sound module **K**

4822 265 41087 9P male 4822 265 41087 9P male					
Various parts					
1106	4822 242 72301	filter TH316BOM-20800DAF			
1106	4822 242 72303	filter TH316BQM			
1120	4822 242 80272	crystal 5,850 MHz			
1120	4822 242 80274	crystal 6,552 MHz			
1140	4822 242 80273	crystal 5,824 MHz			
2100	5322 122 31647	1nF 10% 63V	2182	4822 126 11493	474nF 20% 50V
2101	4822 122 31981	33nF + -0,5pF 50V	2185	4822 124 40433	47μF 20% 25V
2102	4822 122 31797	22nF 10% 63V	2186	4822 122 31797	22nF 10% 63V
2106	5322 122 31647	1nF 10% 63V	2187	4822 122 31759	18nF 10% 50V
2107	4822 122 32442	10nF 10% 50V	2187	4822 122 32442	10nF 10% 50V
2110	4822 122 32442	10nF 10% 50V	2188	4822 122 33608	39nF 10% 63V
2111	4822 124 22606	68μF 20% 16V	2188	4822 122 31797	22nF 10% 63V
2112	4822 126 11493	474nF 20% 50V	2189	4822 126 10171	2,7nF 5% 50V
2113	4822 126 11493	474nF 20% 50V	2190	4822 122 32999	2,2nF 5% 50V
2115	4822 122 31774	56pF 5% 50V	2191	4822 122 31773	560pF 5% 50V
2117	4822 125 50045	20pF trim.	2192	4822 126 11493	474nF 20% 50V
2118	4822 122 32504	15pF 5% 50V	2197	4822 124 40272	33μF 20% 16V
2120	4822 122 31769	18pF 5% 50V	2198	4822 124 40272	33μF 20% 16V
2120	4822 122 32444	33pF 5% 50V	2199	4822 122 32442	10nF 10% 50V
2121	4822 122 32442	10nF 10% 50V			
2122	4822 126 11493	474nF 20% 50V	3100	4822 051 10432	4k3 2% 0,25W
2124	4822 122 31965	220pF 5% 63V	3101	4822 051 10103	10k 2% 0,25W
2125	4822 122 31965	220pF 5% 63V	3102	4822 052 10129	12Ω 5% 0,33W
2126	4822 122 32442	10nF 10% 50V	3103	4822 051 10271	270Ω 2% 0,25W
2127	4822 122 32442	10nF 10% 50V	3104	4822 051 10111	110Ω 2% 0,25W
2128	4822 122 33496	100nF 10% 63V	3105	4822 051 10241	240Ω 2% 0,25W
2130	4822 122 33496	100nF 10% 63V	3106	4822 051 10471	470Ω 2% 0,25W
2132	4822 122 33496	100nF 10% 63V	3107	4822 051 10471	470Ω 2% 0,25W
2134	4822 122 33496	100nF 10% 63V	3110	4822 052 10278	207 5% 0,33W
2136	4822 122 32442	10nF 10% 50V	3112	4822 051 10154	150k 2% 0,25W
2137	4822 126 11493	474nF 20% 50V	3113	4822 051 10224	220k 2% 0,25W
2138	4822 122 32442	10nF 10% 50V	3115	4822 051 10511	510Ω 2% 0,25W
2139	4822 122 31774	56pF 5% 50V	3120	4822 051 10102	1k 2% 0,25W
2140	4822 122 31961	68pF 5% 63V	3122	4822 051 10393	39k 2% 0,25W
2141	4822 122 32444	33pF 5% 50V	3137	4822 051 10393	39k 2% 0,25W
2142	4822 122 32504	15pF 5% 50V	3139	4822 051 10471	470Ω 2% 0,25W
2143	4822 122 32504	15pF 5% 50V	3140	4822 051 10102	1k 2% 0,25W
2144	4822 122 32504	15pF 5% 50V	3142	4822 051 10331	330Ω 2% 0,25W
2145	4822 122 33496	100nF 10% 63V	3145	4822 052 10228	202 5% 0,33W
2150	4822 122 33496	100nF 10% 63V	3146	4822 051 10101	100Ω 2% 0,25W
2152	4822 122 33496	100nF 10% 63V	3147	4822 051 10101	100Ω 2% 0,25W
2154	4822 122 31772	47pF 5% 50V	3150	4822 052 10278	207 5% 0,33W
2155	4822 125 50045	20pF trim.	3152	4822 051 10102	1k 2% 0,25W
2156	4822 122 32442	10nF 10% 50V	3153	4822 051 10103	10k 2% 0,25W
2158	4822 122 31972	39pF 5% 50V	3160	4822 051 10104	100k 2% 0,25W
2159	4822 122 31772	47pF 5% 50V	3161	4822 051 10104	100k 2% 0,25W
2165	4822 124 41506	47μF 20% 16V	3162	4822 051 10473	47k 2% 0,25W
2166	4822 122 31797	22nF 10% 63V	3165	4822 052 10278	207 5% 0,33W
2170	4822 122 33496	100nF 10% 63V	3166	4822 116 52276	3k9 5% 0,5W
2171	4822 124 41643	100μF 20% 16V	3169	4822 051 10473	47k 2% 0,25W
2175	4822 124 40433	47μF 20% 25V	3170	4822 052 10278	207 5% 0,33W
2176	4822 122 31797	22nF 10% 63V	3175	4822 052 10109	10Ω 5% 0,33W
2177	4822 122 31759	18nF 10% 50V	3177	4822 051 10562	5k6 2% 0,25W
2177	4822 122 32442	10nF 10% 50V	3177	4822 051 10103	10k 2% 0,25W
2178	4822 122 33608	39nF 10% 63V	3178	4822 051 10102	1k 2% 0,25W
2178	4822 122 31797	22nF 10% 63V	3178	4822 051 10182	1k8 2% 0,25W
2179	4822 126 10171	2,7nF 5% 50V	3179	4822 051 10472	4k7 2% 0,25W
2180	4822 122 32999	2,2nF 5% 50V	3180	4822 051 10472	4k7 2% 0,25W
2181	4822 122 31773	560pF 5% 50V	3182	4822 051 10183	18k 2% 0,25W
			3184	4822 051 10912	9k1 2% 0,25W
			3184	4822 051 10682	6k8 2% 0,25W
			3185	4822 052 10109	10Ω 5% 0,33W
			3186	4822 051 10008	0Ω 5% 0,25W
			3187	4822 051 10562	5k6 2% 0,25W
			3187	4822 051 10103	10k 2% 0,25W
			3188	4822 051 10102	1k 2% 0,25W
			3188	4822 051 10182	1k8 2% 0,25W
			3189	4822 051 10472	4k7 2% 0,25W
			3190	4822 051 10472	4k7 2% 0,25W
			3192	4822 051 10183	18k 2% 0,25W
			3196	4822 051 10008	0Ω 5% 0,25W
			3197	4822 051 10331	330Ω 2% 0,25W

Jumpers

4101	4822 051 10008	0Ω 5% 0,25W
4102	4822 051 10008	0Ω 5% 0,25W
4103	4822 051 10008	0Ω 5% 0,25W
4104	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W

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

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

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

Picture tube panel **E**

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



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



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

3739 4822 101 10963 47k 10% LIN
 3740 4822 050 21604 160k 1% 0,6W

Jumpers

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



5700 4822 157 63249 262LYF-0086K












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



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

Scavem filter panel **Y**Scavem amplifier panel **Z**

4822 265 30351 5P male	4822 265 30497 5P male	5812 4822 157 63507 0,18μH
4822 264 40207 3P male	4822 265 40503 5P male gold plated	5813 4822 157 63507 0,18μH
4822 265 20464 2P		5814 4822 157 63507 0,18μH
4822 264 40207 3P male		5815 4822 157 63507 0,18μH
		
2804 4822 124 22427 47μF 20% 35V	2800 4822 122 31774 56pF 5% 50V	6802 4822 130 80446 LL4148
2805 4822 122 33496 100nF 10% 63V	2801 4822 124 40435 10μF 20% 50V	6803 5322 130 34337 BAV99
2806 4822 124 22427 47μF 20% 35V	2802 4822 124 41525 100μF 20% 25V	6804 5322 130 34337 BAV99
2807 4822 122 33496 100nF 10% 63V	2803 4822 122 32442 10nF 50V	6805 5322 130 34337 BAV99
2820 4822 122 33496 100nF 10% 63V	2808 4822 122 33496 100nF 10% 63V	6810 4822 130 80884 LLZ-C5V1
2822 4822 122 33496 100nF 10% 63V	2809 4822 122 32442 10nF 50V	6816 4822 130 80884 LLZ-C5V1
2824 4822 122 33496 100nF 10% 63V	2810 4822 122 32442 10nF 50V	
2825 4822 124 42269 100μF 20% 100V	2811 4822 122 31808 150pF 10% 50V	7803 4822 130 61207 BC848
2826 4822 122 31727 470pF 5% 63V	2812 4822 122 33496 100nF 10% 63V	7804 4822 209 30404 NE592/N8
2827 4822 122 31727 470pF 5% 63V	2813 4822 122 33496 100nF 10% 63V	7805 4822 130 41594 PH2369
2832 4822 122 33496 100nF 10% 63V	2814 4822 122 32442 10nF 50V	7806 4822 130 61207 BC848
2833 4822 122 33496 100nF 10% 63V	2815 4822 122 32442 10nF 50V	7807 4822 130 61207 BC848
2834 4822 122 33496 100nF 10% 63V	2816 4822 122 31808 150pF 10% 50V	7809 5322 130 60646 BSR57
2835 4822 122 33496 100nF 10% 63V	2817 4822 122 32083 8,2pF 5% 50V	7818 4822 130 42705 BC847
2836 4822 122 33496 100nF 10% 63V	2818 4822 122 32083 8,2pF 5% 50V	7819 4822 130 61233 BC857
2837 4822 122 33496 100nF 10% 63V	2819 4822 122 32442 10nF 50V	7820 4822 130 42705 BC847
	2840 4822 122 33496 100nF 10% 63V	7821 4822 130 61233 BC857
3809 4822 052 10478 40Ω 5% 0,33W	2847 4822 124 42269 100μF 20% 100V	7825 5322 130 42012 BC858
3810 4822 052 10478 40Ω 5% 0,33W	2872 4822 122 31768 180pF 5% 50V	
3830 4822 053 10331 330Ω 5% 1W		
3831 4822 053 10331 330Ω 5% 1W	3800 4822 051 10821 820Ω 2% 0,25W	
3833 4822 051 10152 1k5 2% 0,25W	3801 4822 116 52214 200Ω 5% 0,5W	
3834 4822 051 10132 1k3 2% 0,25W	3807 4822 052 10478 40Ω 5% 0,33W	
3835 4822 051 10339 33Ω 2% 0,25W	3812 4822 051 10101 100Ω 2% 0,25W	
3836 4822 051 10479 47Ω 2% 0,25W	3813 4822 051 10103 10k 2% 0,25W	
3837 4822 116 52215 220Ω 5% 0,5W	3814 4822 051 10103 10k 2% 0,25W	
3838 4822 053 10331 330Ω 5% 1W	3815 4822 051 10123 12k 2% 0,25W	
3839 4822 053 10331 330Ω 5% 1W	3816 4822 051 10391 390Ω 2% 0,25W	
3841 4822 051 10152 1k5 2% 0,25W	3817 4822 051 10561 560Ω 2% 0,25W	
3842 4822 051 10132 1k3 2% 0,25W	3818 4822 051 10271 270Ω 2% 0,25W	
3843 4822 051 10339 33Ω 2% 0,25W	3819 4822 051 10271 270Ω 2% 0,25W	
3844 4822 051 10479 47Ω 2% 0,25W	3821 4822 051 10101 100Ω 2% 0,25W	
3845 4822 051 10479 47Ω 2% 0,25W	3822 4822 051 10182 1k8 2% 0,25W	
3846 4822 051 10569 56Ω 2% 0,25W	3823 4822 051 10182 1k8 2% 0,25W	
3847 4822 051 10479 47Ω 2% 0,25W	3824 4822 051 10339 33Ω 2% 0,25W	
3848 4822 051 10103 10k 2% 0,25W	3825 4822 051 10102 1k 2% 0,25W	
3850 4822 051 10431 430Ω 2% 0,25W	3826 4822 051 10102 1k 2% 0,25W	
3851 4822 051 10569 56Ω 2% 0,25W	3827 4822 051 10471 470Ω 2% 0,25W	
	3828 4822 051 10829 82Ω 2% 0,25W	
5830 4822 157 50965 15μH 10%	3829 4822 051 10682 6k8 2% 0,25W	
5831 4822 157 50965 15μH 10%	3852 4822 051 10331 330Ω 2% 0,25W	
5832 4822 157 50965 15μH 10%	3853 4822 051 10202 2k 2% 0,25W	
5833 4822 157 50965 15μH 10%	3854 4822 051 10331 330Ω 2% 0,25W	
	3855 4822 051 10202 2k 2% 0,25W	
7808 4822 130 61207 BC848	3856 4822 051 10331 330Ω 2% 0,25W	
7810 4822 130 41746 BD825	3857 4822 051 10202 2k 2% 0,25W	
7811 4822 130 42589 BF370	3858 4822 051 10331 330Ω 2% 0,25W	
7812 4822 130 41746 BD825	3859 4822 051 10202 2k 2% 0,25W	
7813 4822 130 41774 BD826	3870 4822 051 10822 8k2 2% 0,25W	
7814 4822 130 41746 BD825	3871 4822 051 10822 8k2 2% 0,25W	
7815 4822 130 41774 BD826	3872 4822 122 31768 180pF 5% 50V	
7816 4822 130 41746 BD825	Jumpers	
7817 4822 130 42589 BF370	4802 4822 051 10008 0Ω 5% 0,25W	
	4812 4822 051 10008 0Ω 5% 0,25W	
		
	5801 4822 157 50965 15μH 10%	
	5802 4822 157 50965 15μH 10%	
	5803 4822 157 50965 15μH 10%	