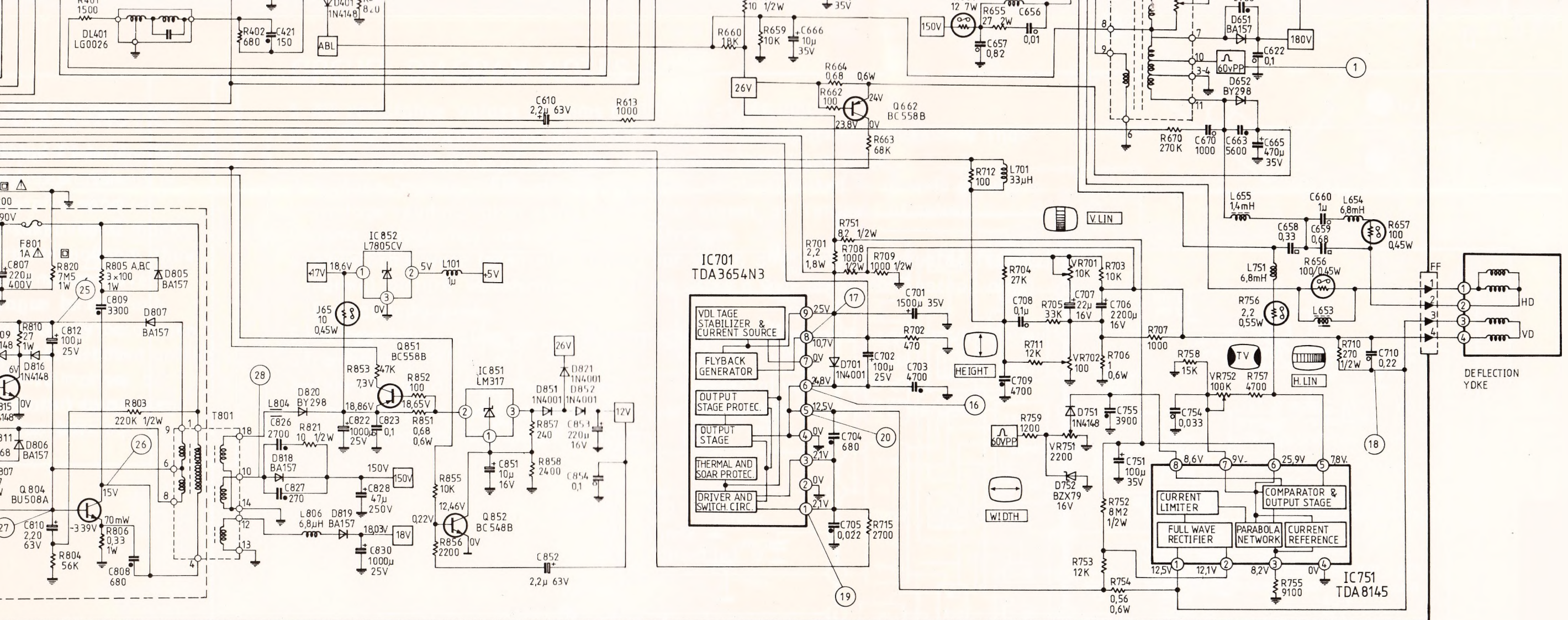
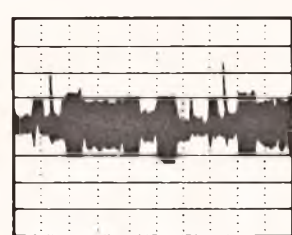
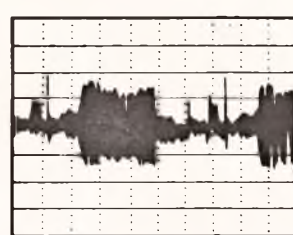


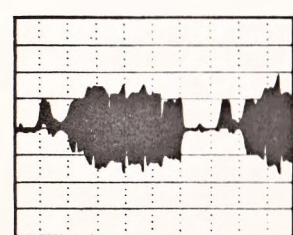
⑨ 4,5 Vp-p Horiz.



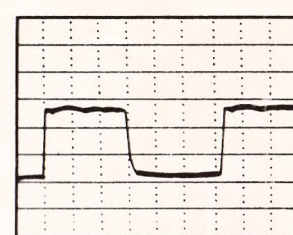
⑩ 0,2 Vp-p Horiz.



⑪ 0,25 Vp-p Horiz.



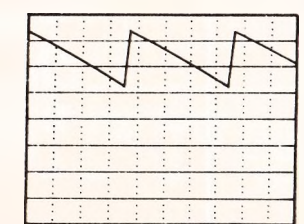
⑫ 1,5 Vp-p Horiz.



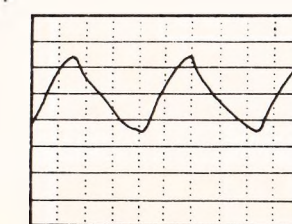
⑬ 6,4 Vp-p Horiz.



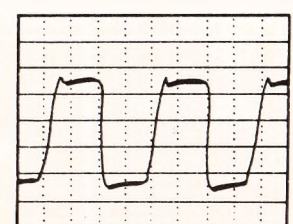
⑭ 50 Vp-p Horiz.



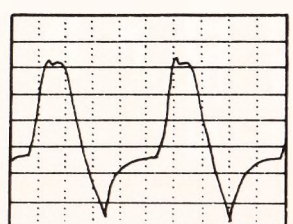
②③ 1 Vp-p Vert.



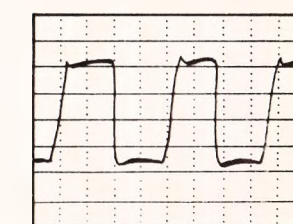
②④ 0,3 Vp-p Horiz.



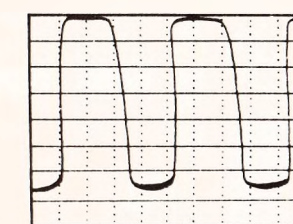
②⑤ 8 Vp-p Horiz.



②⑥ 13 Vp-p Horiz.

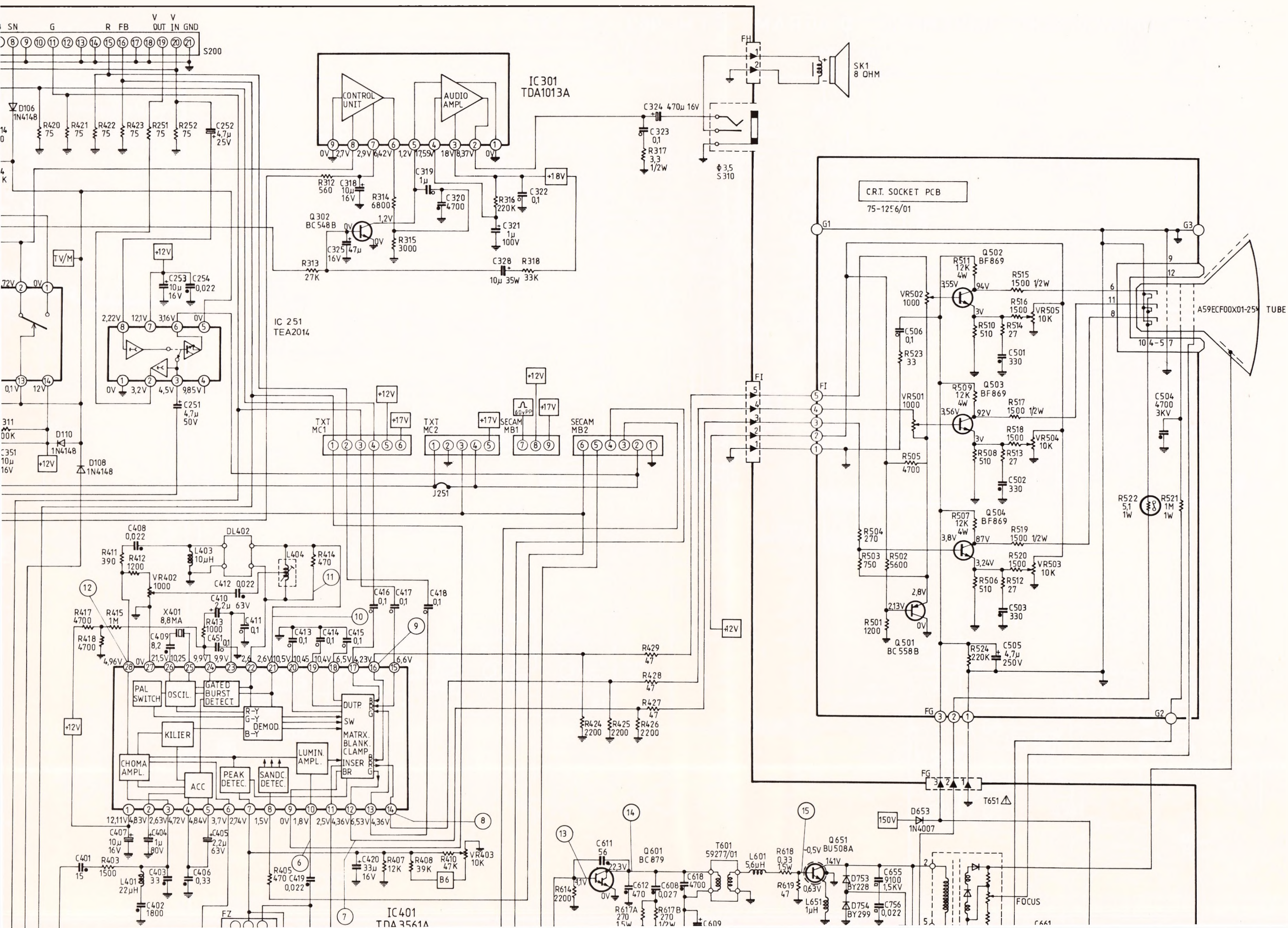


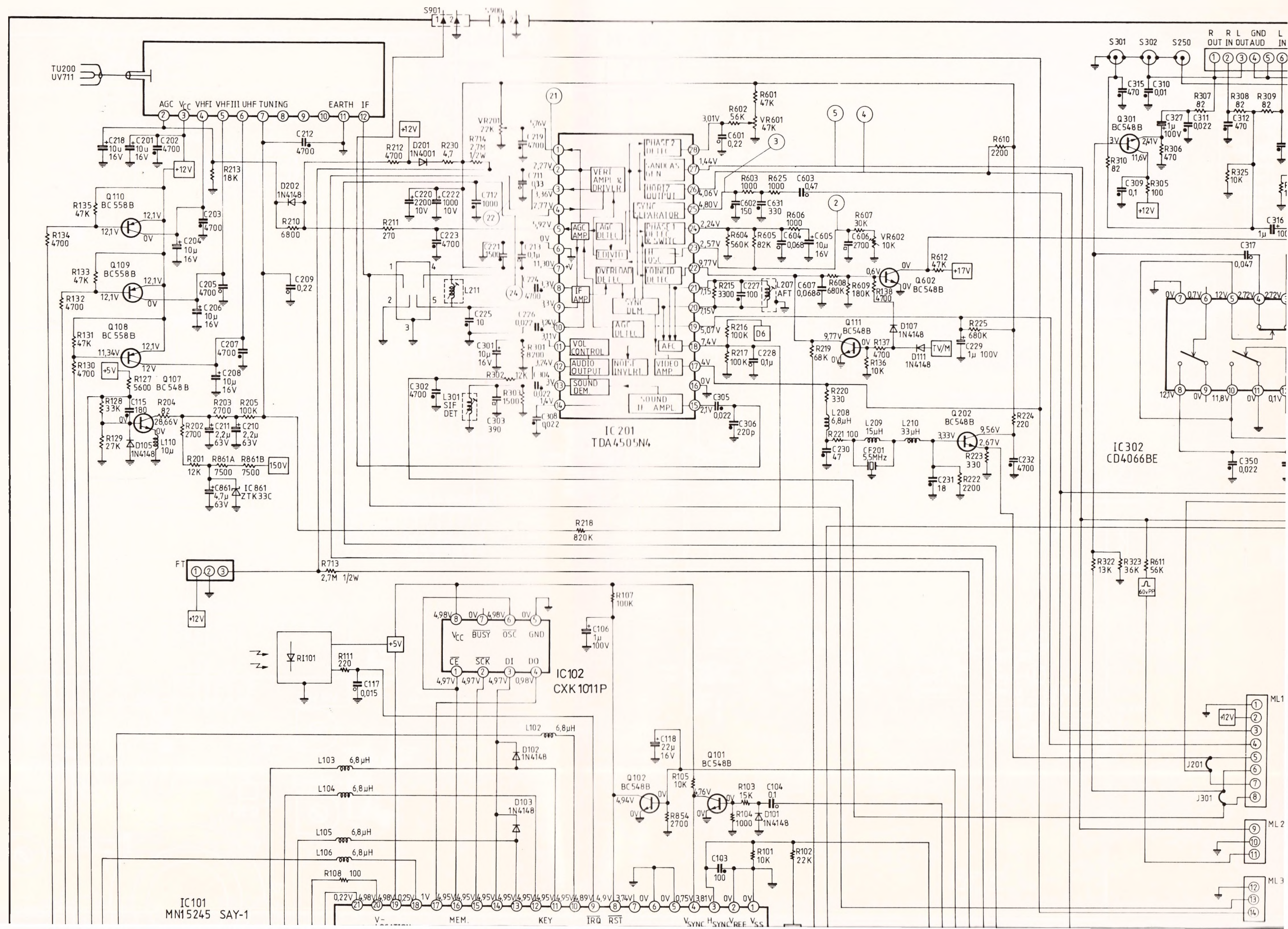
②⑦ 8 Vp-p Horiz.

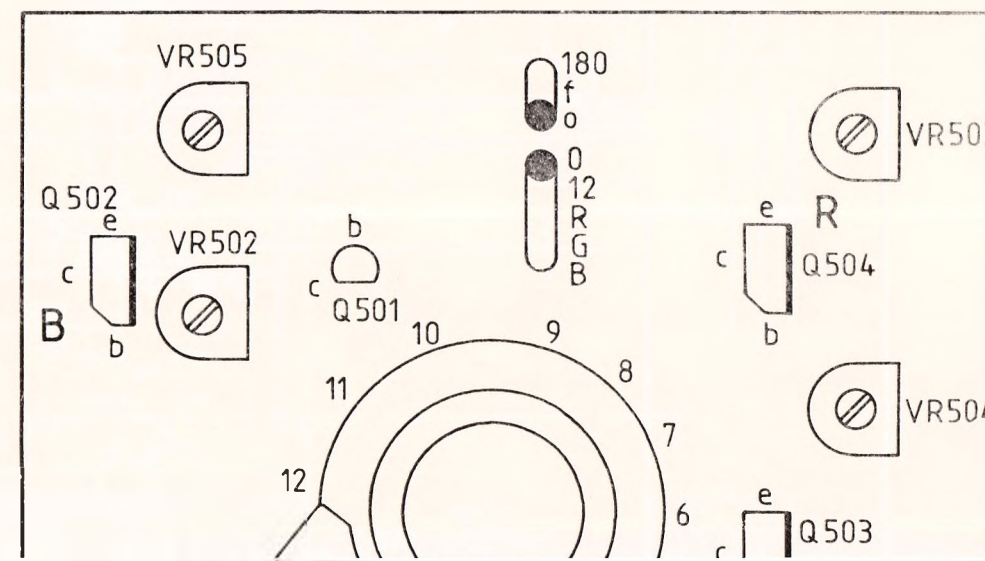
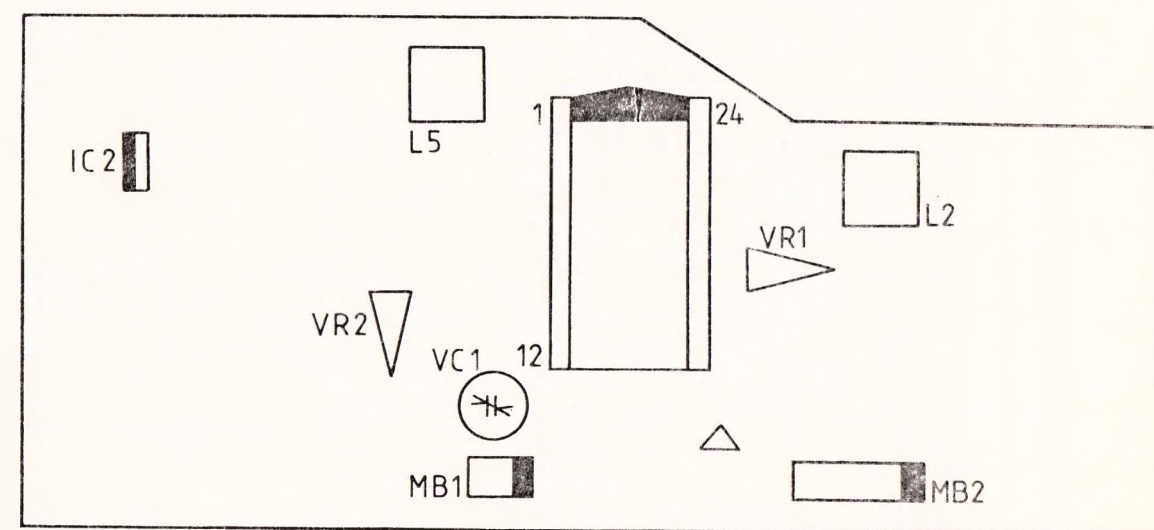
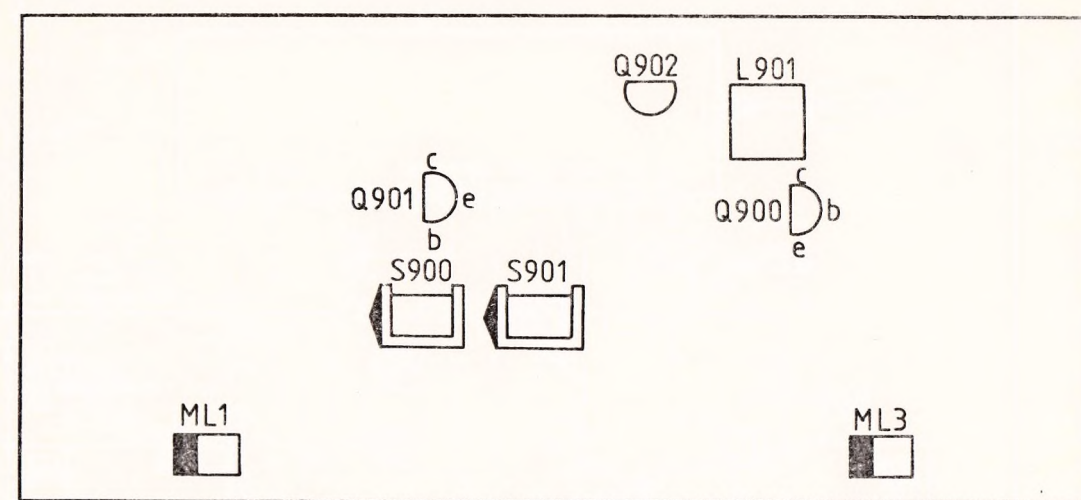
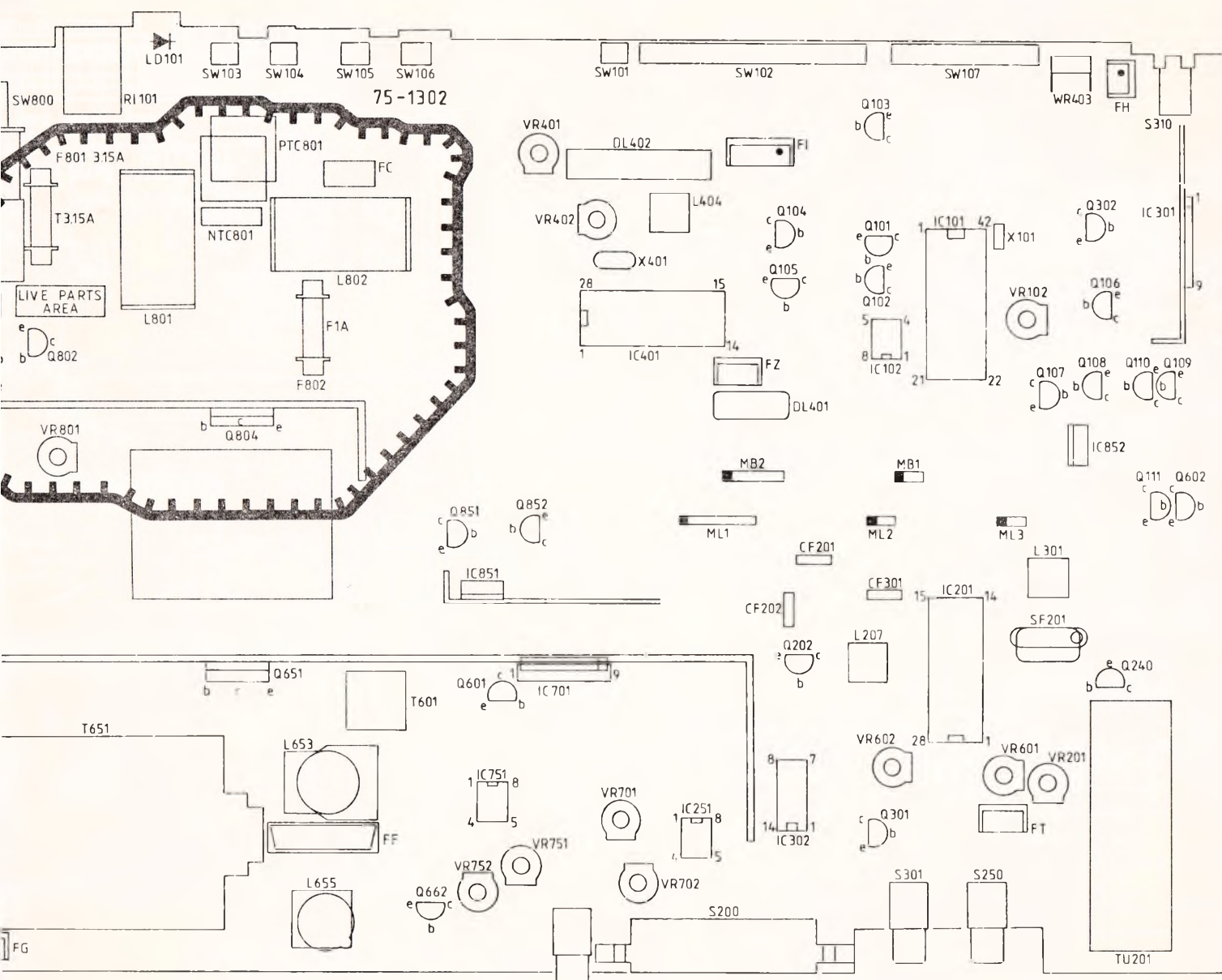


②⑧ 375 Vp-p Horiz.

FISHER
FTM - 963 DK





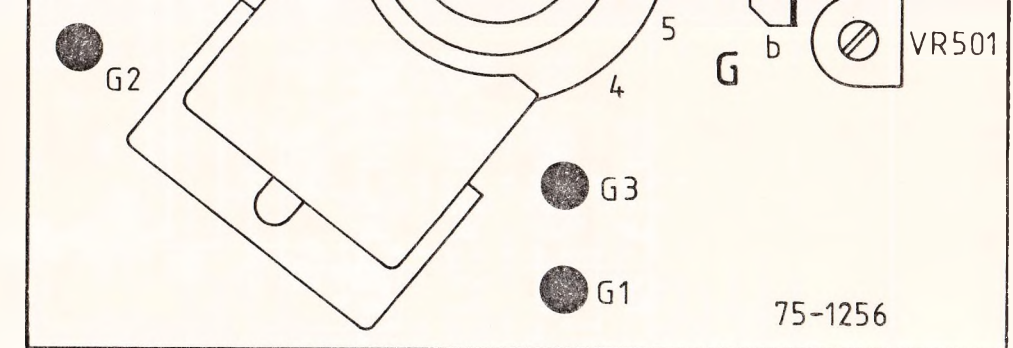
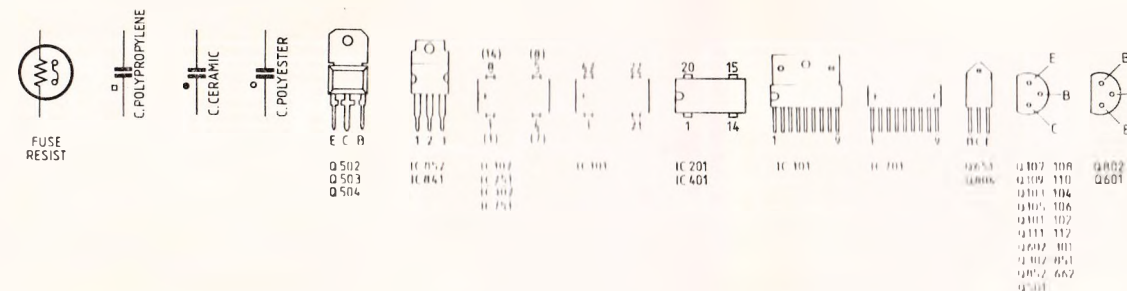
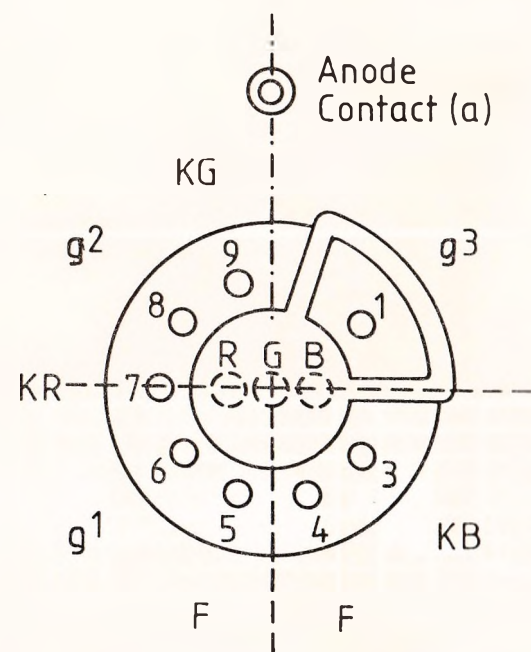
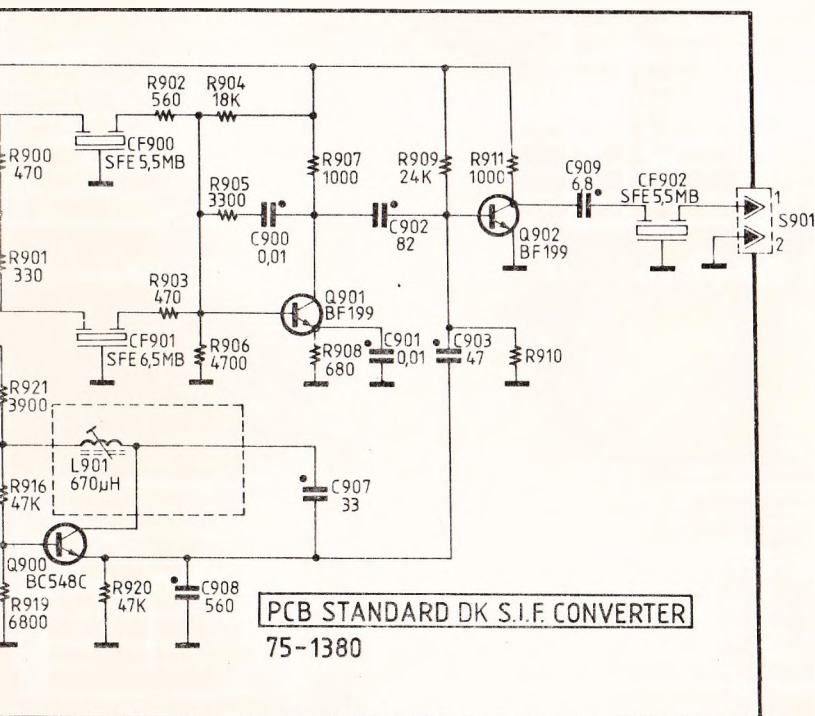


SAFETY NOTICE

Should be considered
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particularly recommen-
parts specified on the
ervice manual be
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the mark.

CIRCUIT DIAGRAM NOTES:

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Unless otherwise noted in circuit diagram all capacitor values less than 1 are expressed in μF , and the values more than 1 are in pF.
3. Voltage reading taken with "VOM" from point indicated to chassis ground. Voltage reading taken using colour bar signal, all controls at normal. Some voltage may vary with signal strength.
4. Waveforms were taken with colour bar signal and controls adjusted for normal picture. Waveforms were taking using a wide band oscilloscope and low capacity probe.
5. All resistance values for transformers must be measured under unwired condition.
6. This circuit diagram covers basic or representative chassis only. There may be some component or partial circuit difference between actual chassis and circuit diagram.



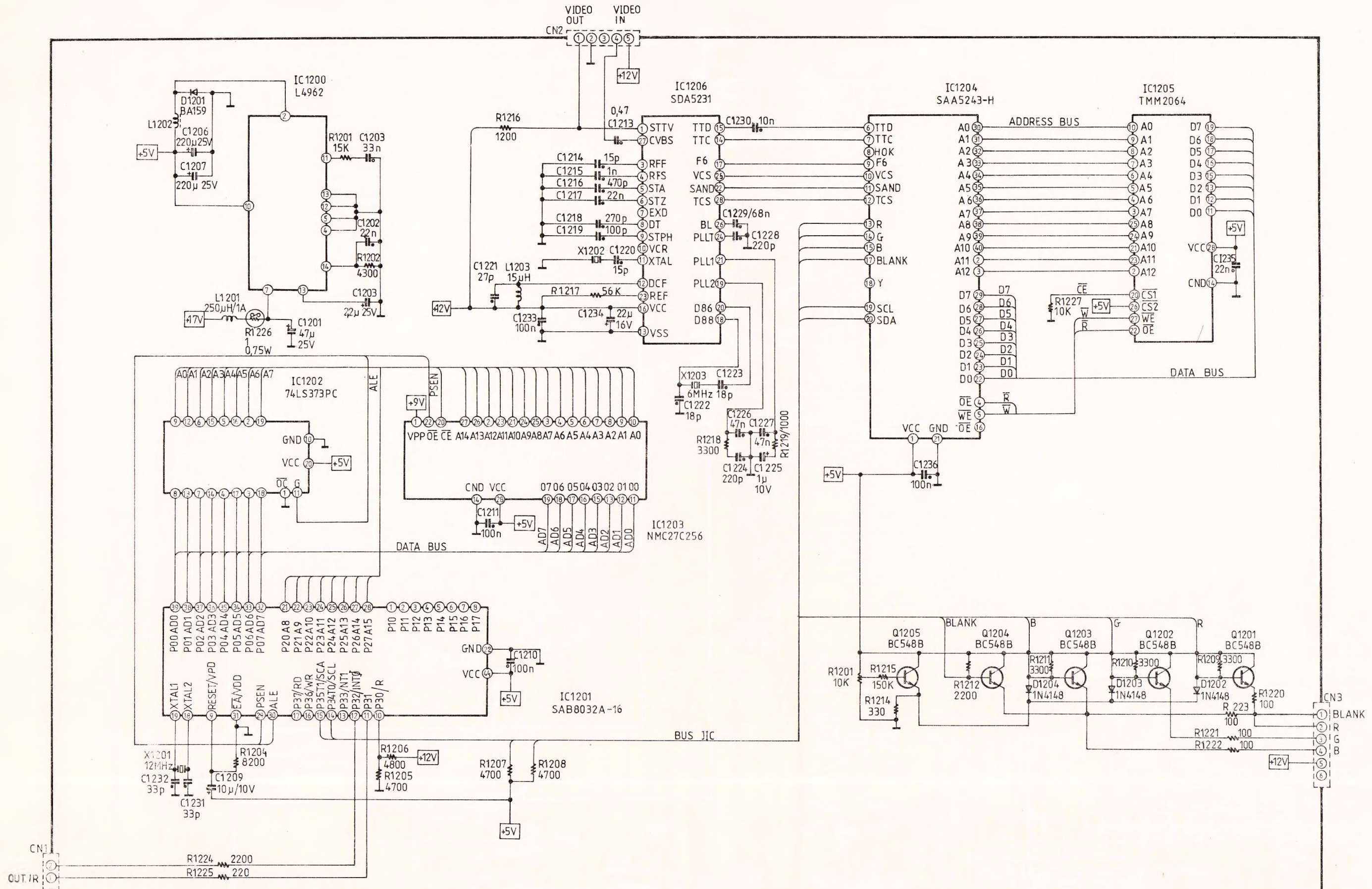
LIST OF DIODES AND TRANSISTORS

TYPE	SHORT DESCRIPTION, DATA	EQUIVALENTS
BA157 158 159	Si, TV-kl; 400V; 0.4 A, < 300 ns; 600V; 1000V.	
BY228	Si, TV-DAMPER-DIODE, 1000-1500V, 3A;	
BY298 299	Si, TV RECT. 500V; 2A, < 500 ns	RGP 30M
BY225 BZX79	Si, RECT. BRIDGE; 100-200V; 3.2 A	4x BY 255 B80C5000
C6V2 C16 V	Si, ZENER DIODE, 5%; 0.4 W 6.2 V 16 V	
1N4001 4007	Si, RECT; GENERAL PURPOSE, 50V; 1A 1000V; 1A	
1N4148	Si, FAST SWITCH; 100V, 0.2 A, < 4 ns	BAY 61
1N542	Ge, MATCHED; FOR HIGH IMPEDANCE DEMOD. 50V; 30mA	AA 119
ZTK33C	VOLTAGE REGULATOR, TUNER-STAB, 33V	
TRANSISTORS		
BC 558	Si, PNP, Uni, 30V; 0.1A, 0.5W; 150 MHz	BC 308 BC 213 BC 258
BC 548	Si, NPN; Uni, 30V; 0.1A, 0.5W; 300 MHz	BC 238 BC 168 BC 183
BC 879	Si, NPN, DARL NF/S; 100V, 1A, 0.8W, 200 MHz, B> 2000	BSR 52
BF 199	Si, NPN; TV-ZF, 550 MHz;	BF 224 BF 311 BF 373
BF 869	Si, NPN; Vid-L; 250V; 0.05A; 5W; > 60 MHz	BF 759
BU508A	Si, NPN, CTV-HA, 1500/700V, 8A, 125 W,	
2SC3225	Si, NPN; NF/S; 40V; 2A; 0.9W, 220 MHz; B=1000	

ABBREVIATIONS:

B-DC FORWARD CURRENT GAIN, Si-silicon
Ge-germanium, CTV-color TV, HA-TV horizontal
deflection, NF audio frequency, S-switch,
ZF intermediate frequency, Vid-video output stage,
Uni-general purpose,

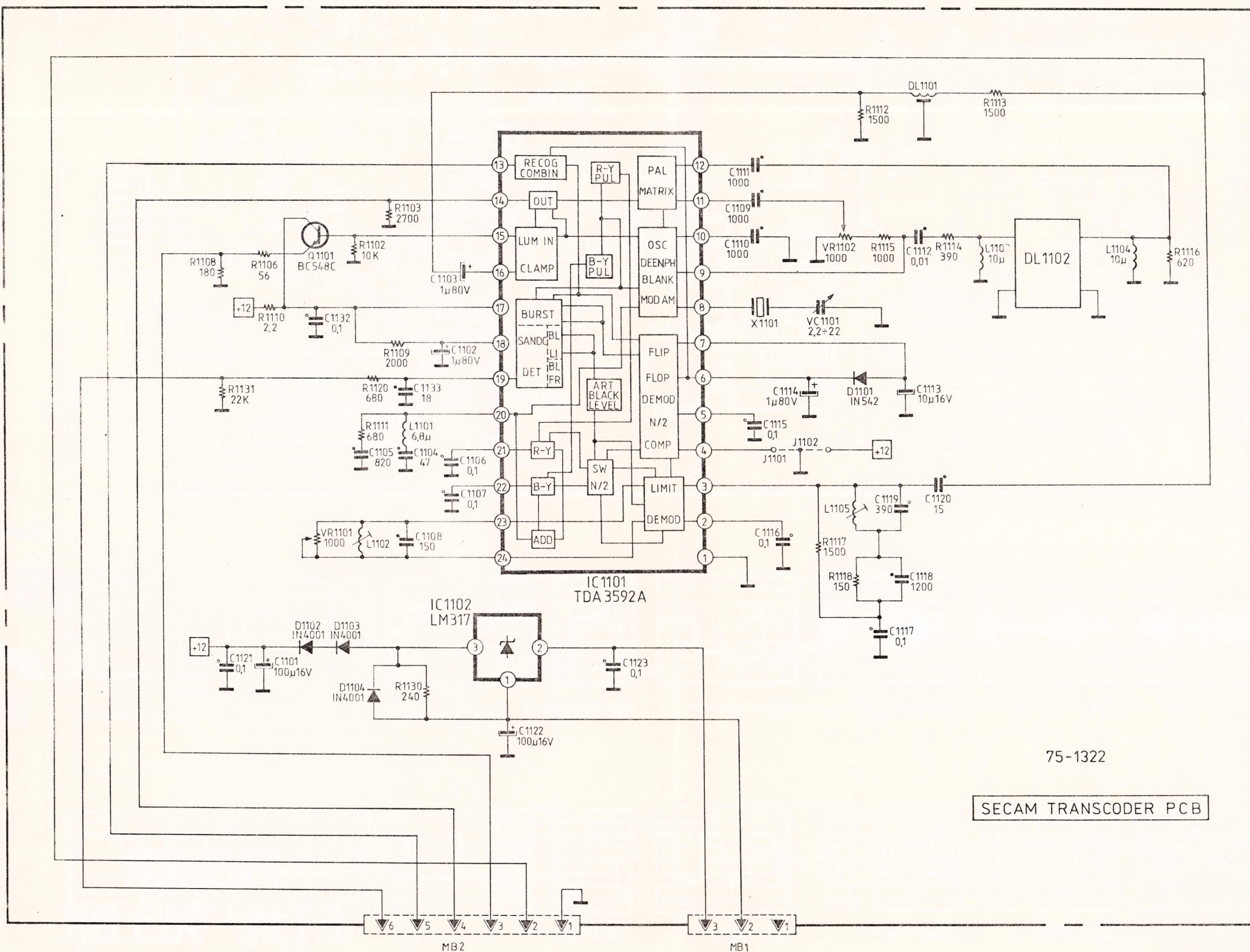
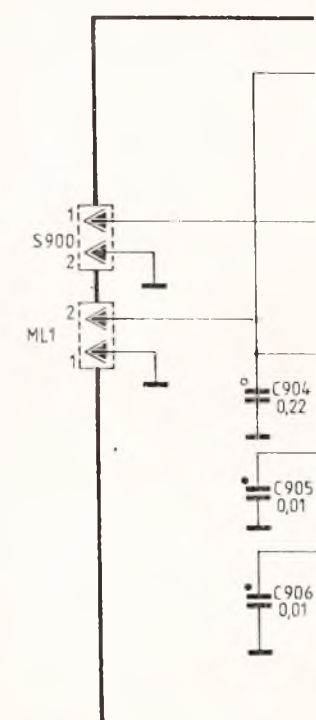
TXT COPROCESSOR SCHEMATIC DIAGRAM FTM-963 DK TXT



PRODUCT

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SECAM TRANSCODER PCB