

TANTALUM CAPACITOR
 METALLIZED POLYESTER
 POLYESTER FILM CAPACITOR
 POLYPROPYLENE CAPACITOR
 MYLAR CAPACITOR


TORS ARE IN OHM 1/16 WATT UNLESS OTHERWISE

NOT SPECIFICALLY DESIGNATED ARE CARBON
 TORS.

 NONFLAMMABLE RESISTOR

 FUSEBLE RESISTOR

 CEMENT RESISTOR

 METAL OXIDE RESISTOR

 THERMISTOR

ARE MEASURED FROM POINTS INDICATED TO
 T GROUND WITH A DIGITAL MULTIMETER TEST.

ARE TAKEN WITH SETTING CONTROLS TO

CONDITIONS (COLOR BAR PATTERN).

IT DIAGRAM IS SUBJECT TO CHANGE WITHOUT

ICE.

22	3.20		3.07	6.43
23	0.83		0.10	2.28
24	4.65		2.69	2.28
25	0.60		2.69	5.94
26	4.04		3.72	0
27	0.18		3.71	11.20
28	4.82		9.48	0.36

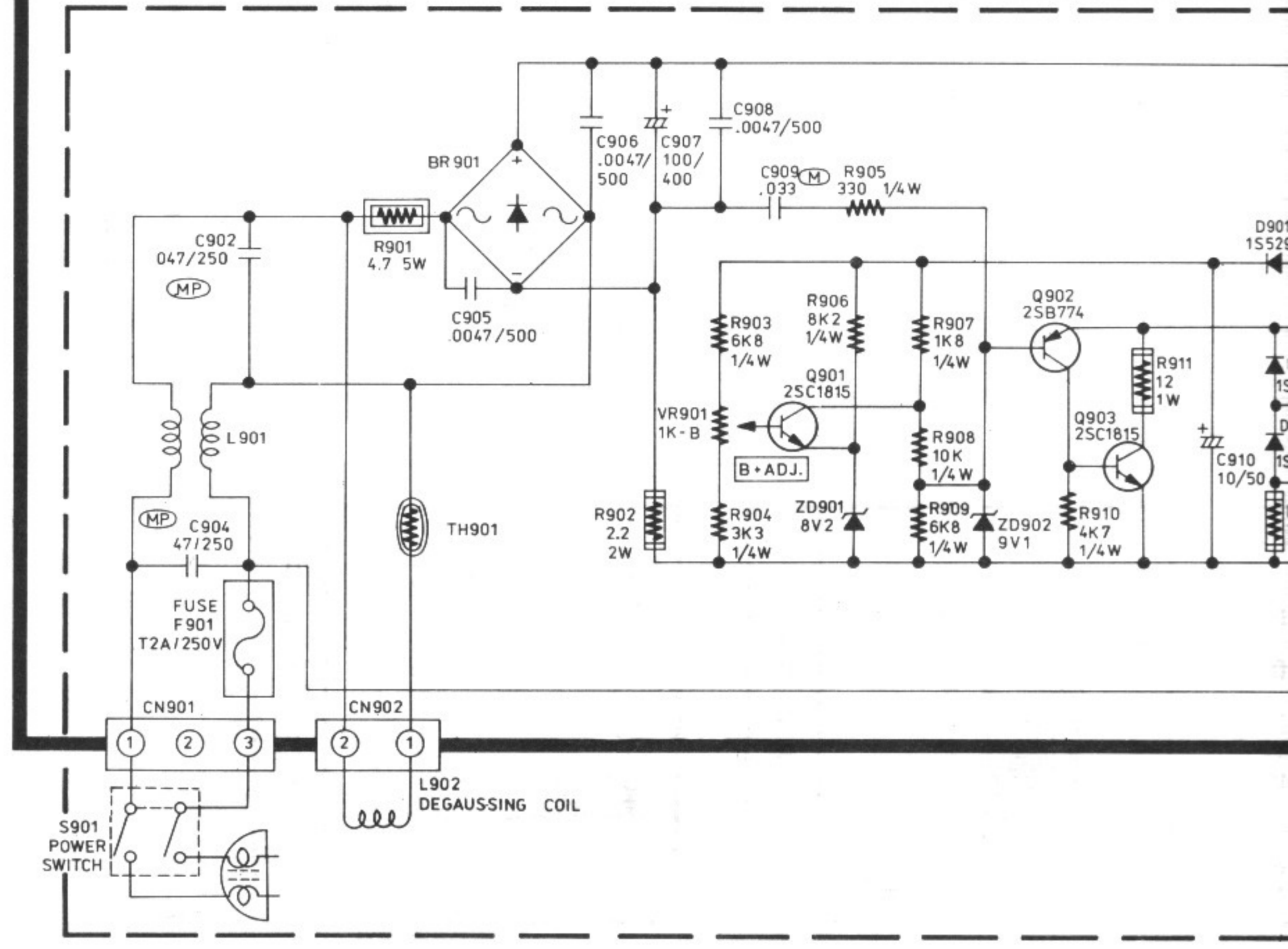
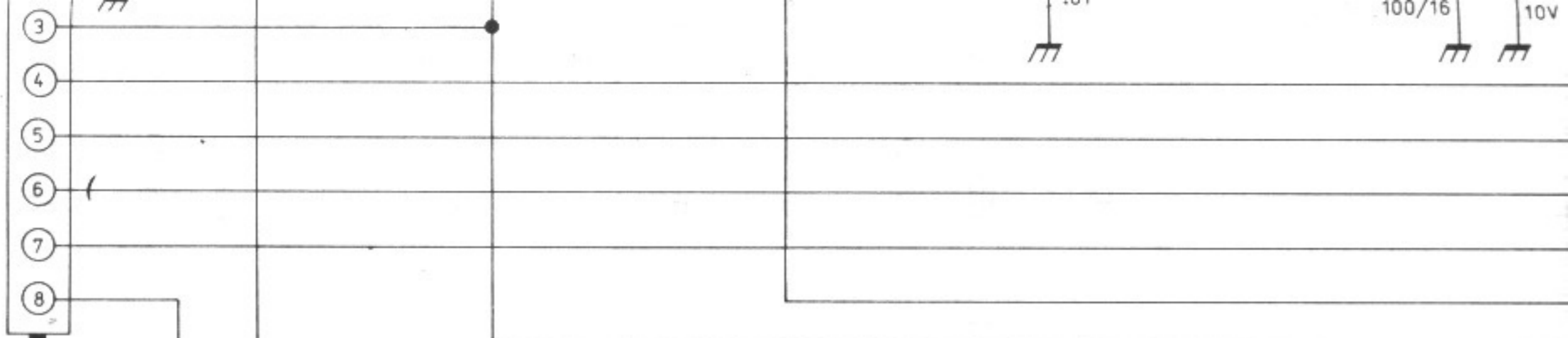
NOTE : VOLTAGE ARE TAKEN UNDER TUNED CONDITION WITH

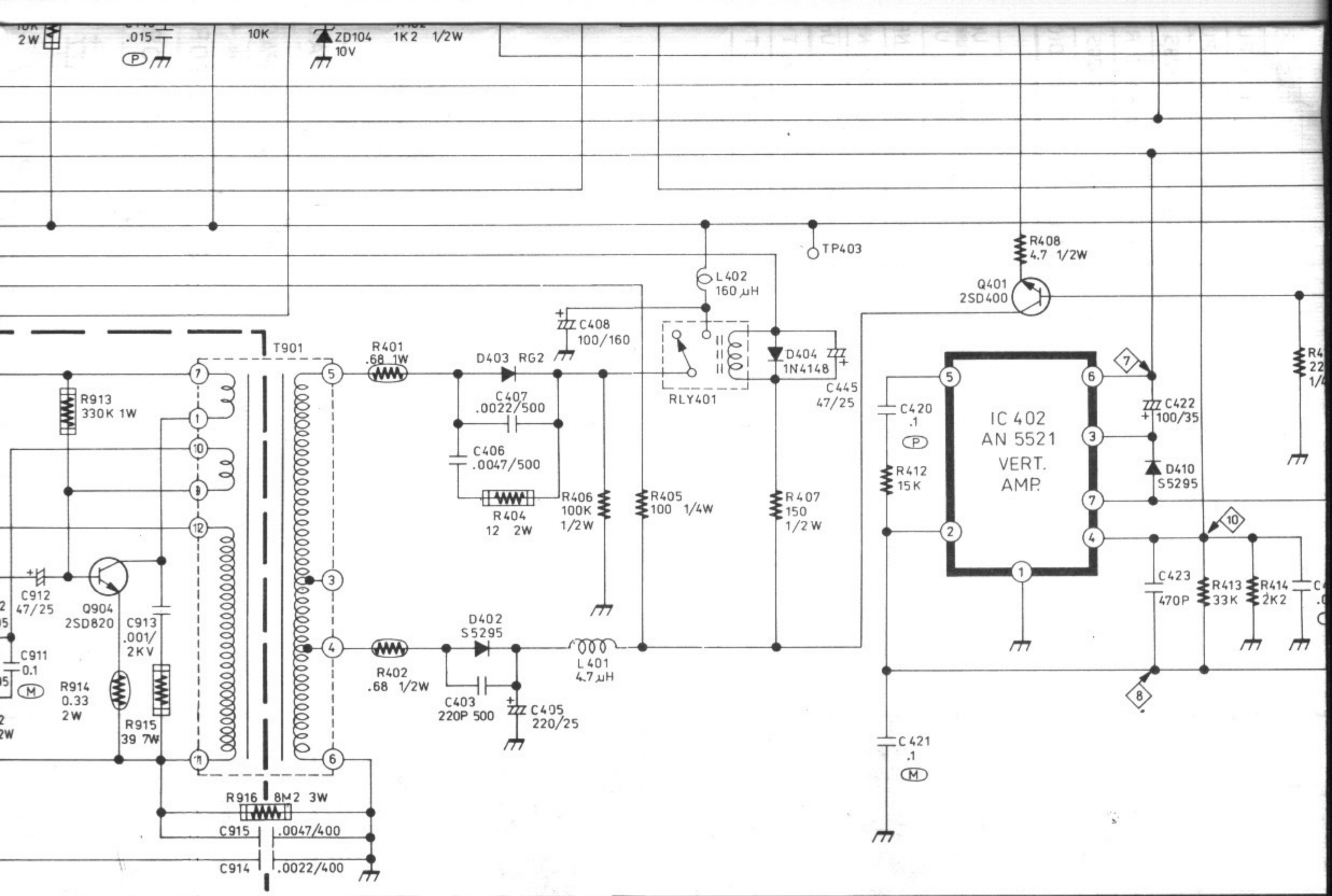
CONTRAST : MAXIMUM POSITION
 BRIGHTNESS : CENTER POSITION
 COLOR : CENTER POSITION
 SIGNAL INPUT : 80 dBuV
 CHANNEL SETTING : THE LAST CHANNEL OF VHF HIGH

PIN NO.	SYMBOL	IC 402	IC 601	IC 602	IC 603
		(V)	(V)	(V)	(V)
1	GND		0.05	2.12	GND
2	12.00		GND	4.68	2.32
3	26.40		0.05	0.06	4.08
4	0.73		0	NC	4.46
5	0.25		0.01	GND	4.62
6	1.04		0.01	GND	4.59
7	26.00		4.70	2.14	3.78
8			-31.70	2.15	4.69
9			-7.26	5.25	4.51
10			0	1.35	4.61
11			0		4.61
12			0		4.61
13			0		4.61
14			0.05		4.59
15			0.05		4.57
16					4.59
17					0.14
18					0.05
19					0.05
20					0.05
21					0.05
22					0.05
23					0.05
24					0.05
25					0.05
26					0.05
27					0.05
28					0.05
29					0.05
30					0.05
31					0.05
32					0.05
33					0.05
34					0.05
35					0.05
36					0.05
37					0.05
38					0.05
39					0.05
40					0.05
41					0.05
42					0.05
43					0.05
44					0.05
45					0.05
46					0.05
47					0.05
48					0.05
49					0.05
50					0.05
51					0.05
52					0.05
53					0.05
54					0.05
55					0.05
56					0.05
57					0.05
58					0.05
59					0.05
60					0.05
61					0.05
62					0.05
63					0.05
64					0.05
65					0.05
66					0.05
67					0.05
68					0.05
69					0.05
70					0.05
71					0.05
72					0.05
73					0.05
74					0.05
75					0.05
76					0.05
77					0.05
78					0.05
79					0.05
80					0.05
81					0.05
82					0.05
83					0.05
84					0.05
85					0.05
86					0.05
87					0.05
88					0.05
89					0.05
90					0.05
91					0.05
92					0.05
93					0.05
94					0.05
95					0.05
96					0.05
97					0.05
98					0.05
99					0.05
100					0.05

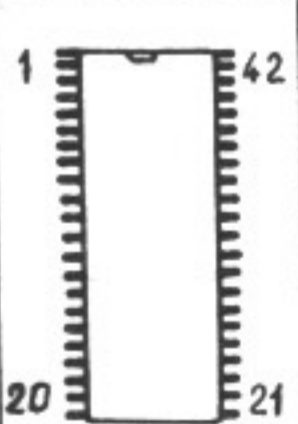
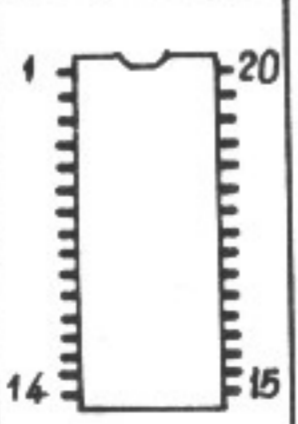
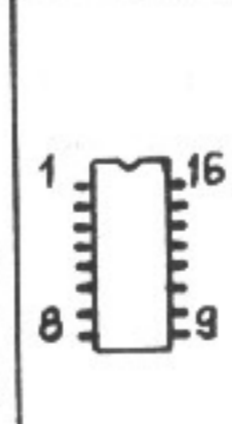
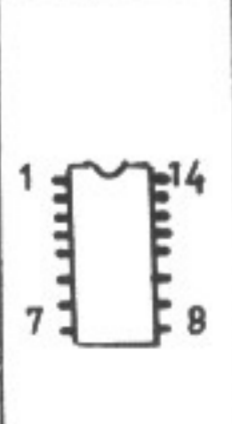
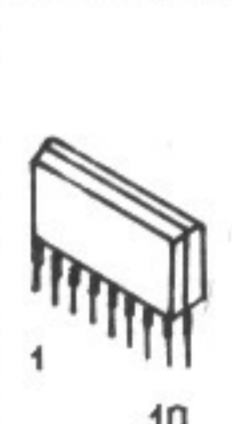
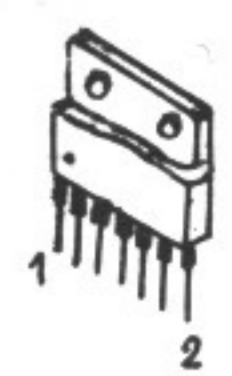
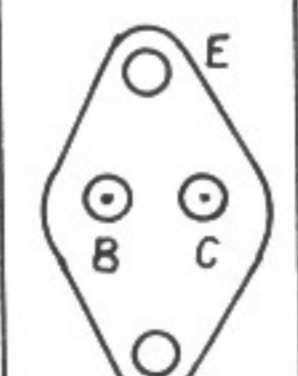
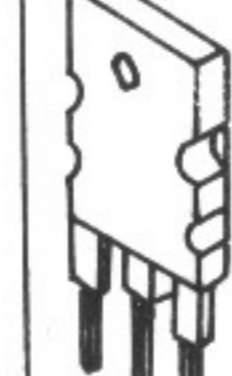
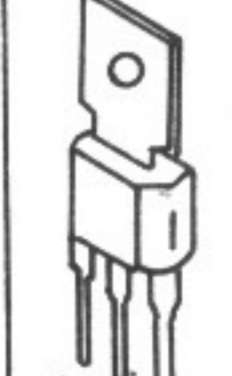
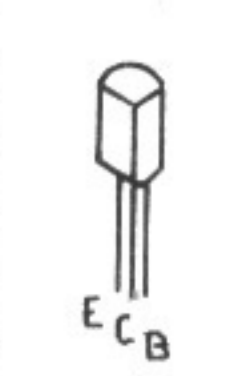
NOTE : Voltage are taken under tuned condition with

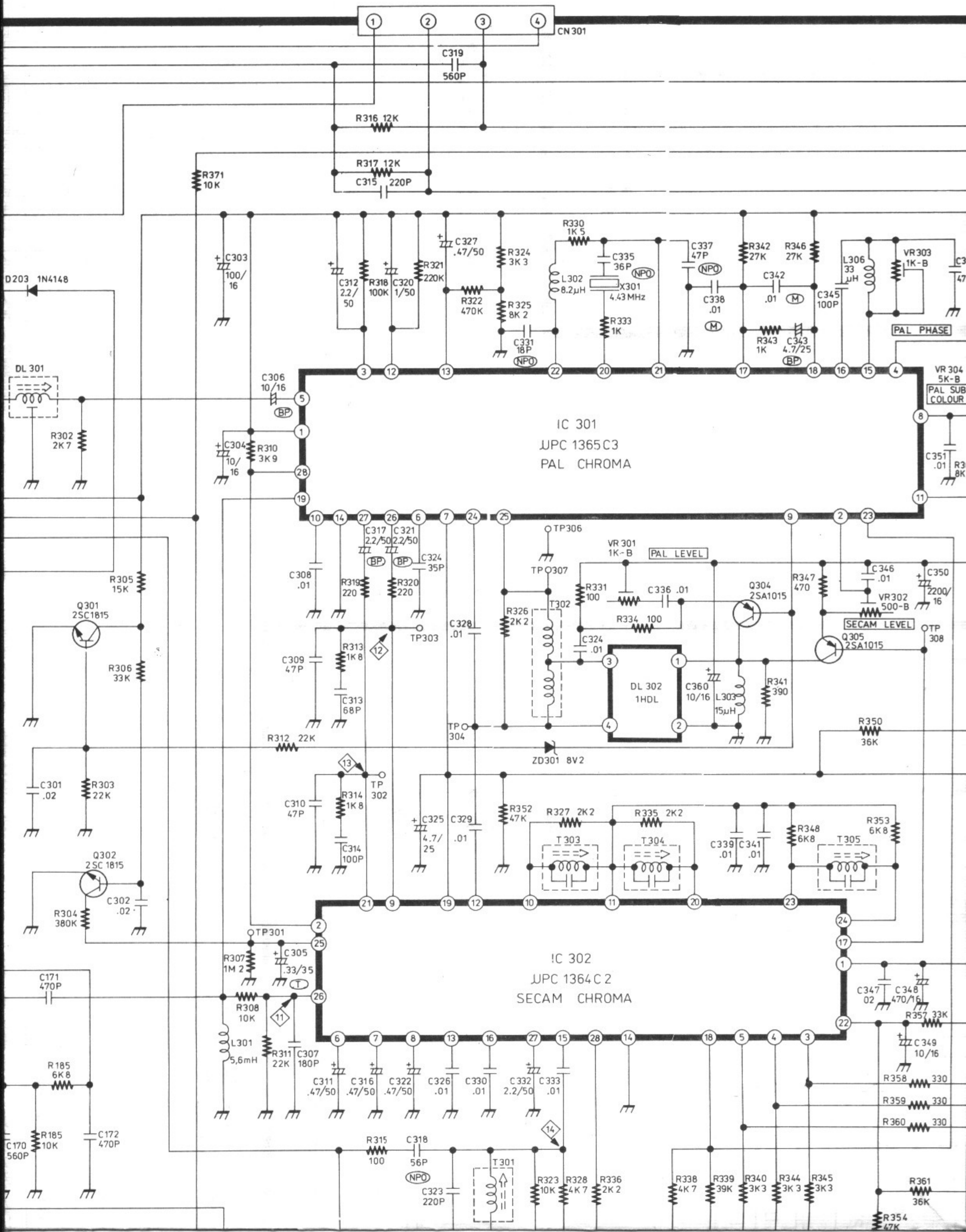
CONTRAST : Maximum Position
 BRIGHTNESS : Center Position
 COLOR : Center Position
 SIGNAL INPUT : 80 dBuV
 CHANNEL SETTING : The Last Channel of VHF High

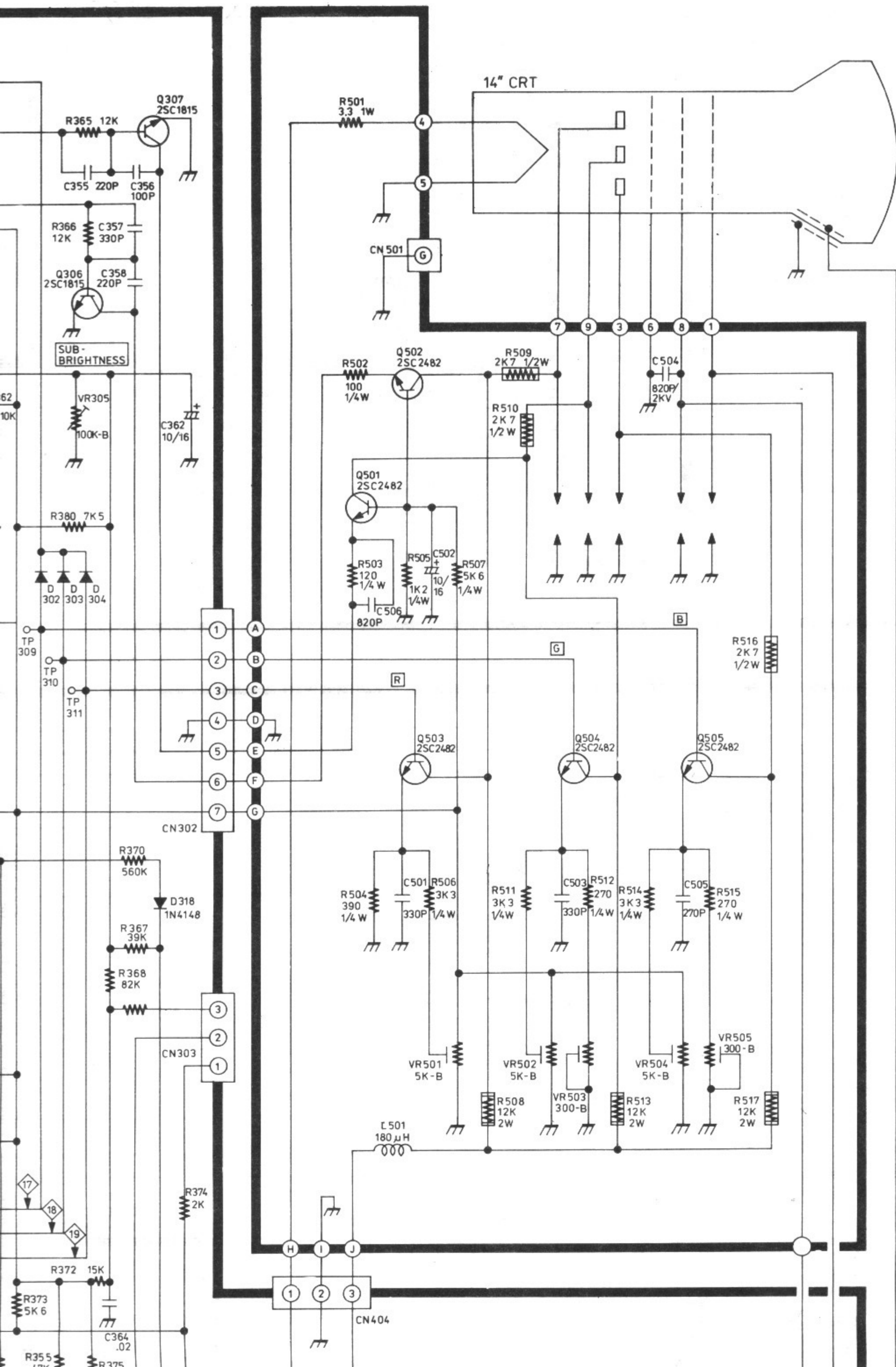


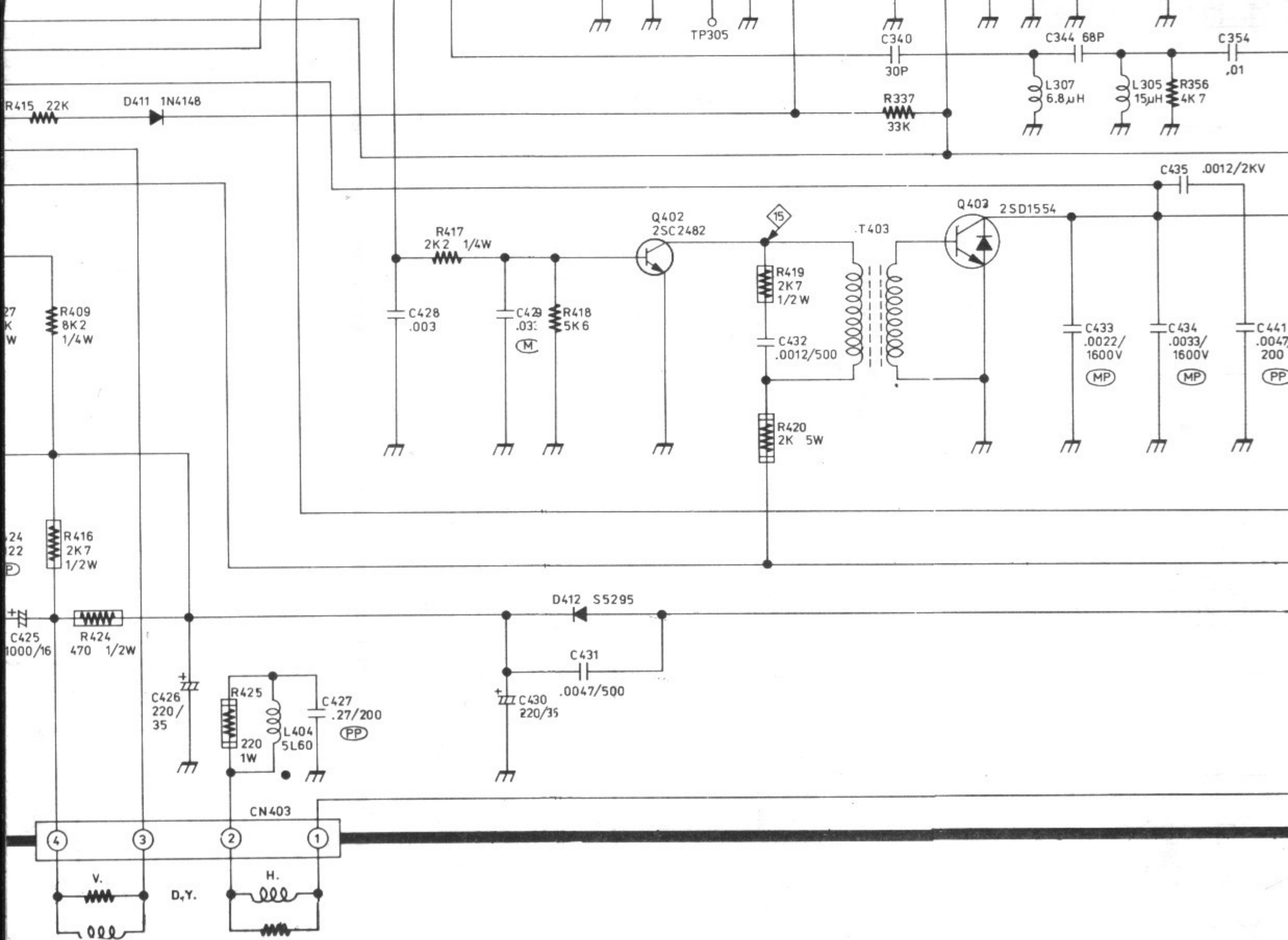


TRANSISTOR AND IC IDENTIFY :

 TOP VIEW	MN 15245	 TOP VIEW	AN 5150N UPC 1364C2 UPC 1365C3	 TOP VIEW	MN 1220	 TOP VIEW	HCF 4066	 TOP VIEW	AN 50
 1 2	AN 5521	 E B C	2SD 820	 1 1 1	2SD 1427	 B C E	2SC 2068	 E C B	2SD 4 2SC 3





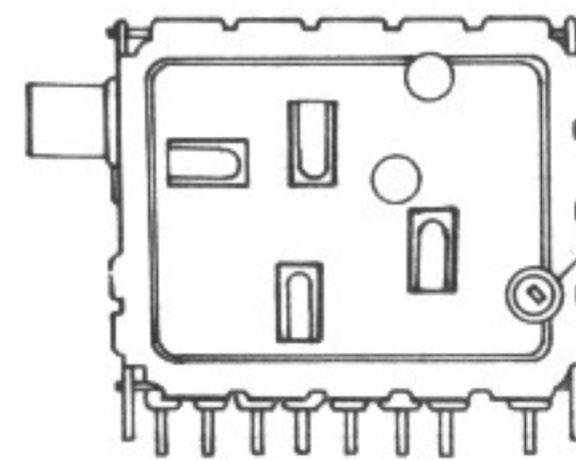
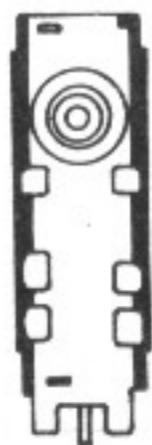


PICTORIAL VIEW OF TUNER:



Terminal NO	1	2	3	4	5	6	7	8	9
Terminal name	BU	VT	BH	AGC	BL	AFT	BM	IF	V/U ANT

IFT TUNING ADJUST

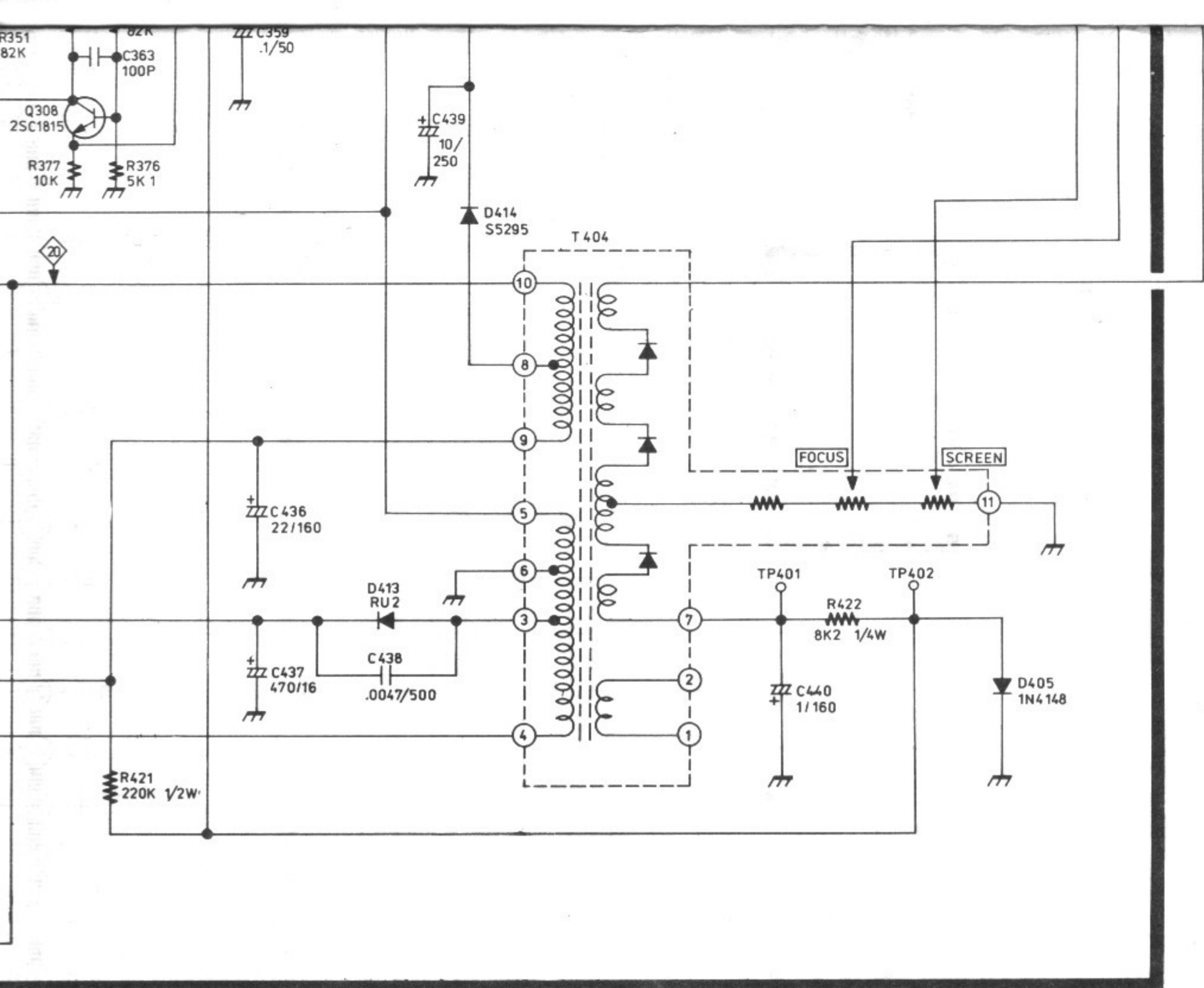


SUPPLY VOLTAGE (V)				
Term.	ch.	VHF LO	VHF HI	UHF
7	BM	12	12	12
5	BL	12	Open	12
3	BH	Open	12	Open
1	BU	Open	Open	12

①②③④⑤⑥⑦⑧

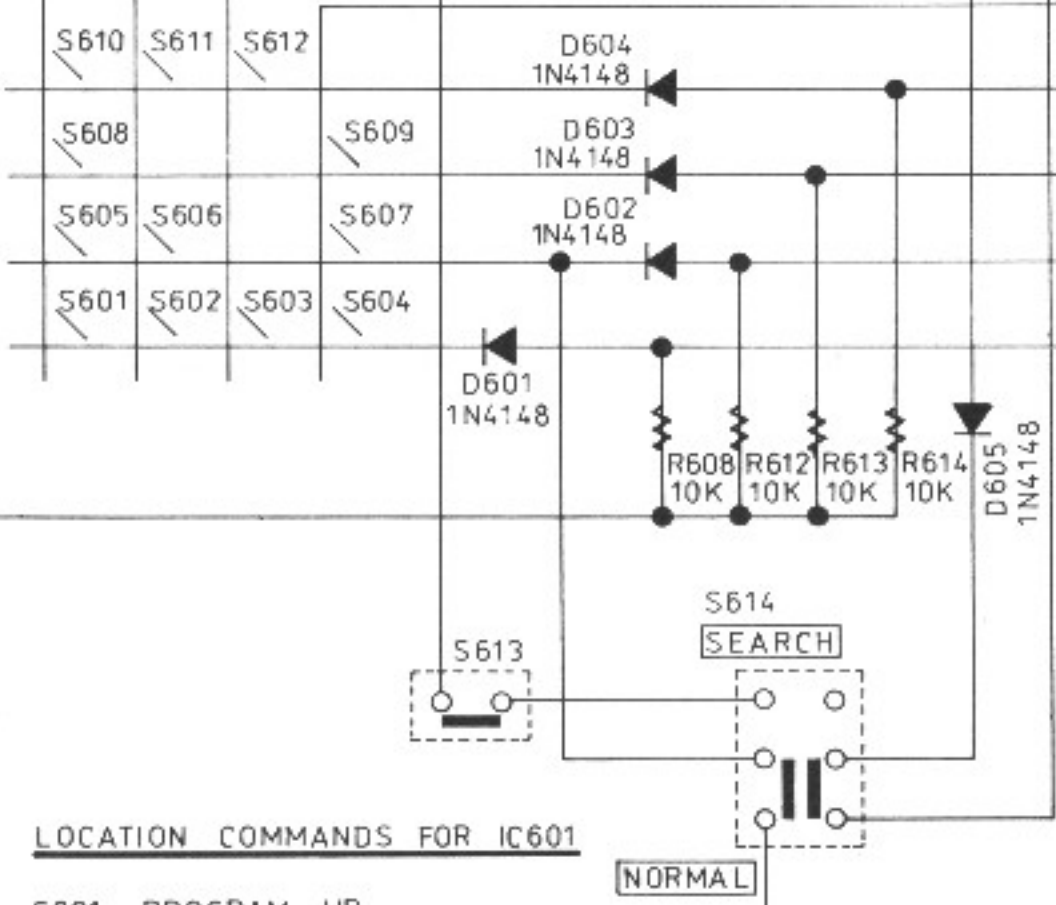
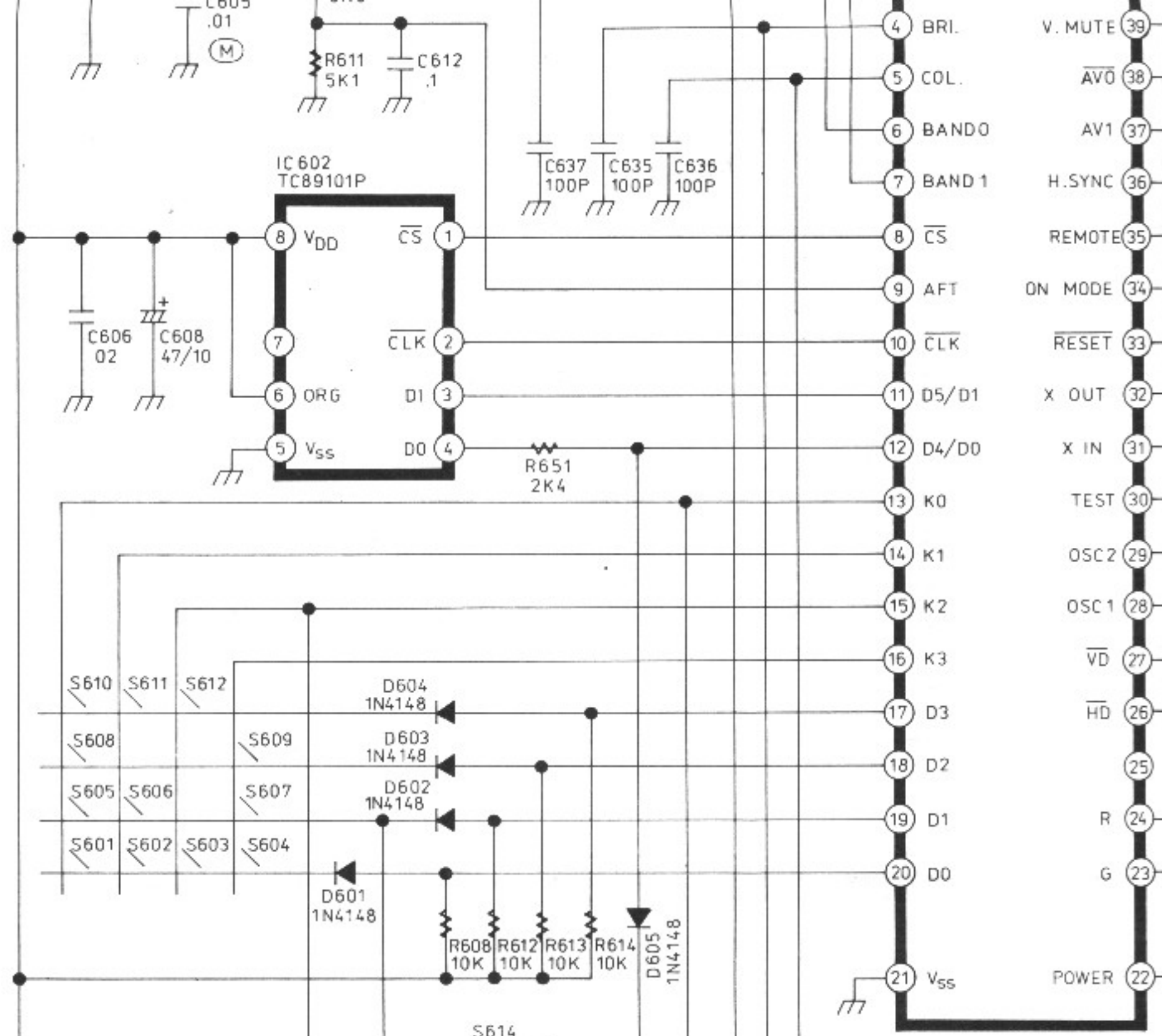


26K		AN 5265
00F		2SC 2482
888A		2SC 1815
		2SA 1015
		2SB 774T



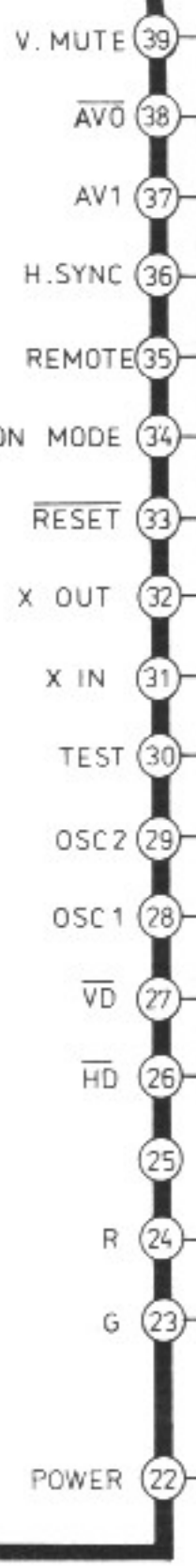
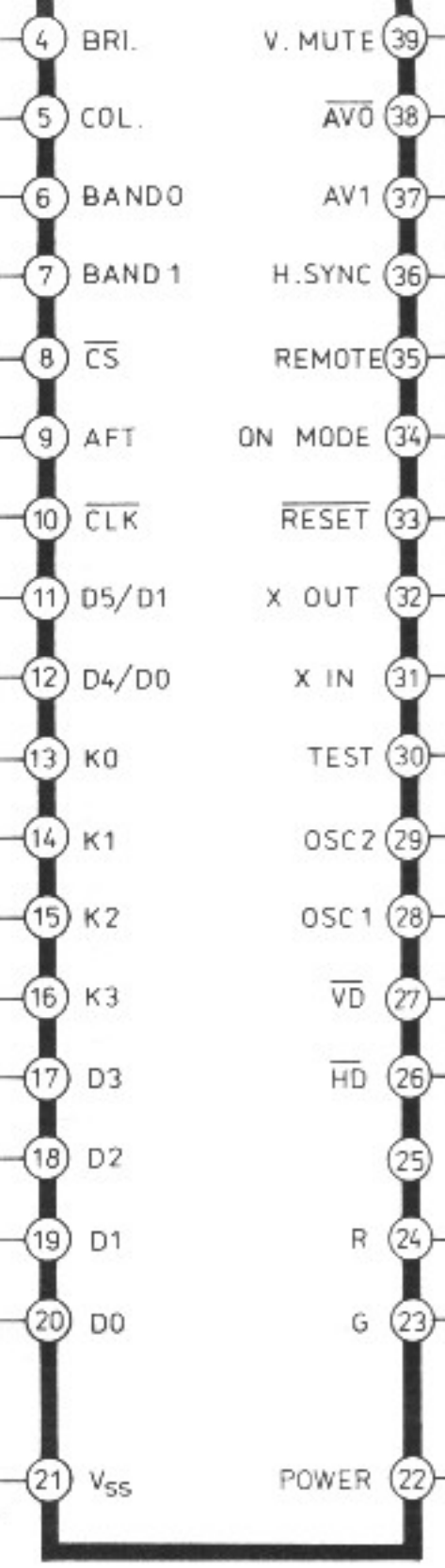
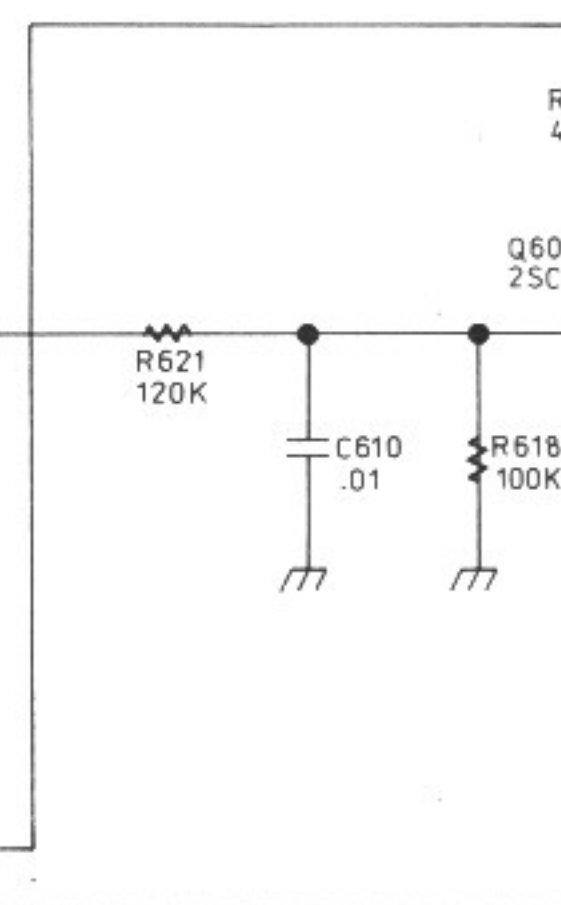
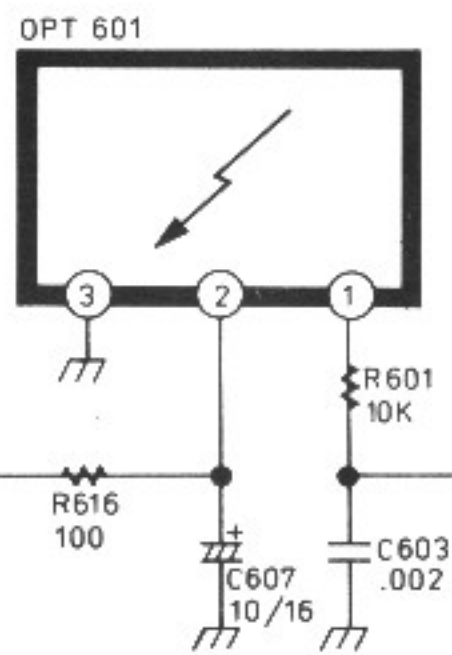
Teleradiomechanika "ELMAX"
 Edmund Miglus
 46-300 Olesno, ul. M.Przedmieście 20/4
 Tel. (0-34) 583429, Regon 006560556
 NIP 576-103-27-95

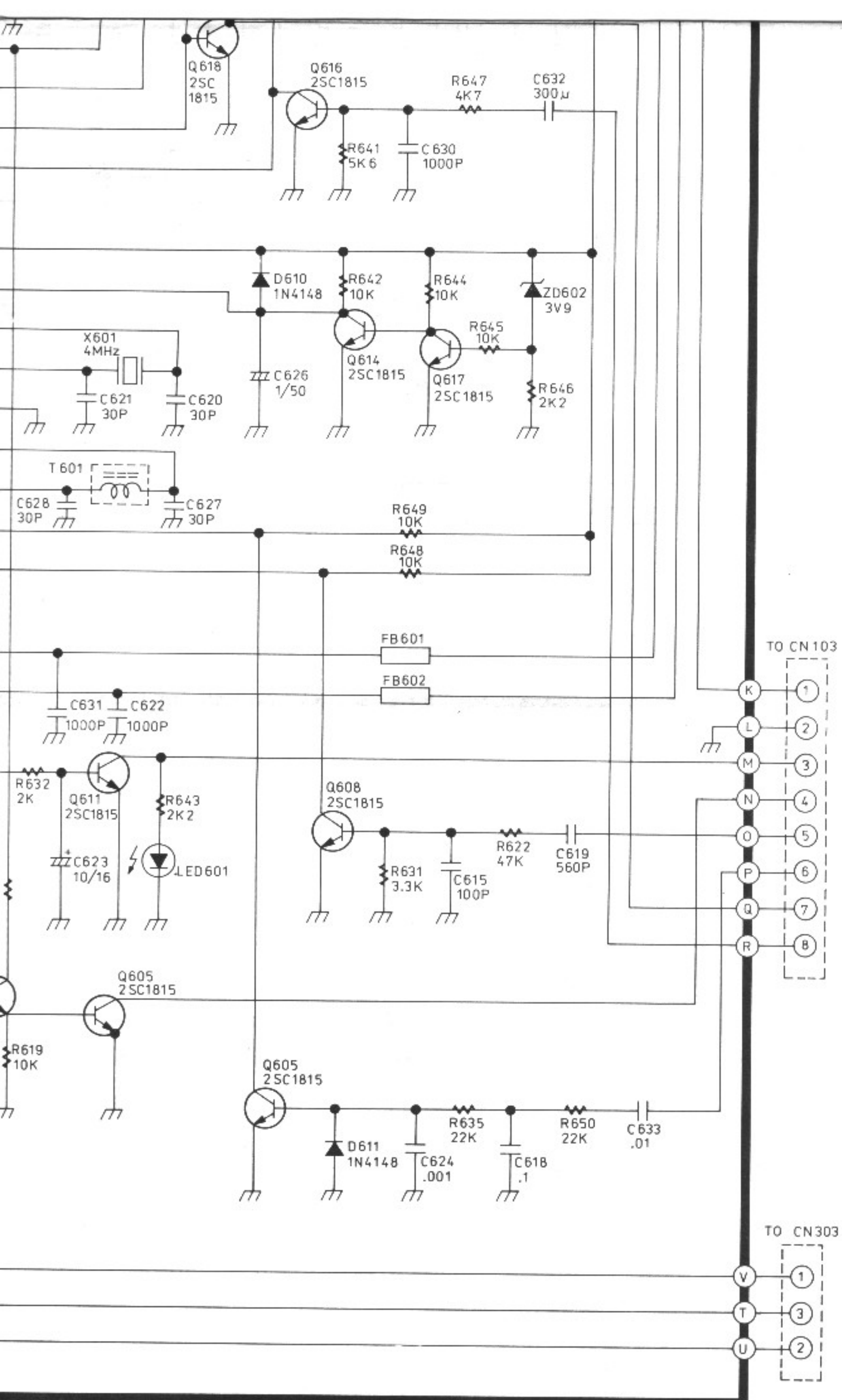
ice TV 1045/2



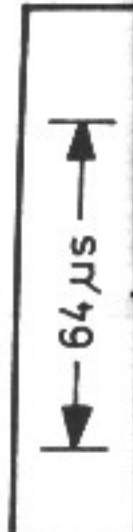
LOCATION COMMANDS FOR IC601

- S601 PROGRAM UP
- S602 PROGRAM DOWN
- S603 VOL. UP
- S604 VOL. DOWN
- S605 SRC UP
- S606 SRC DOWN
- S607 TV/AV
- S608 BAND/SKIP
- S609 STAND BY
- S610 PICTURE
- S611 PICTURE UP
- S612 PICTURE DOWN
- S613 AUTO MEMORY

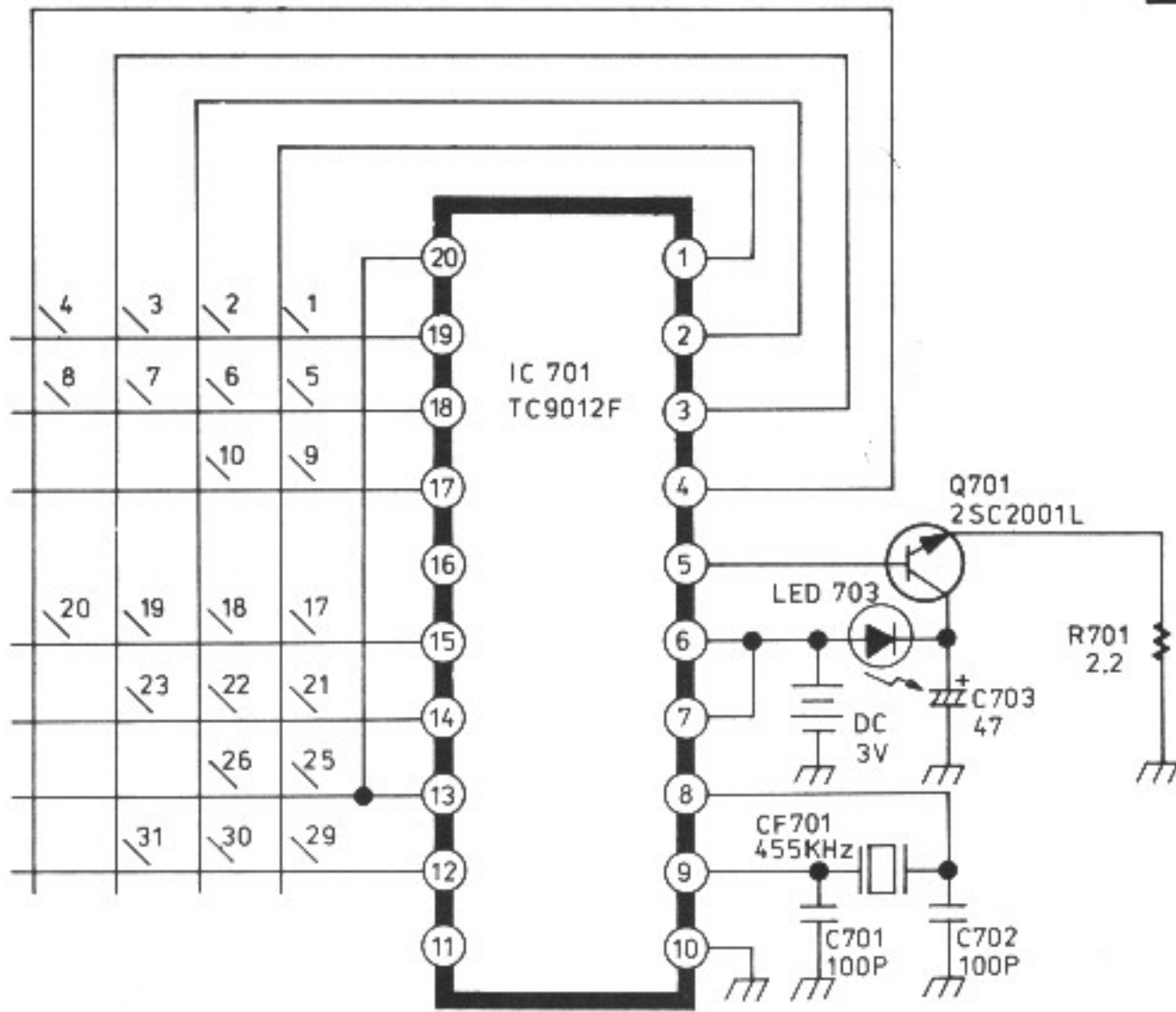




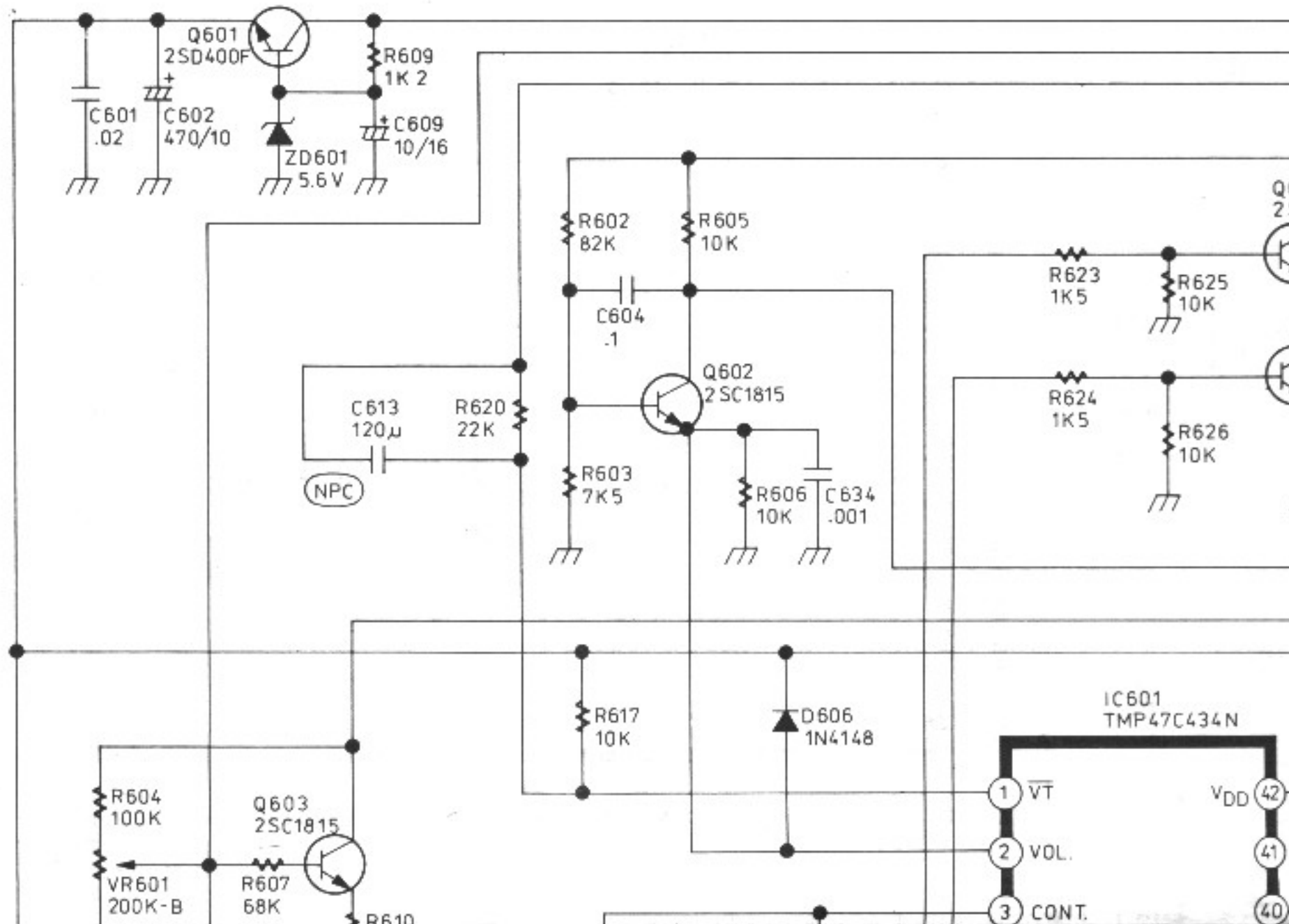
LIST

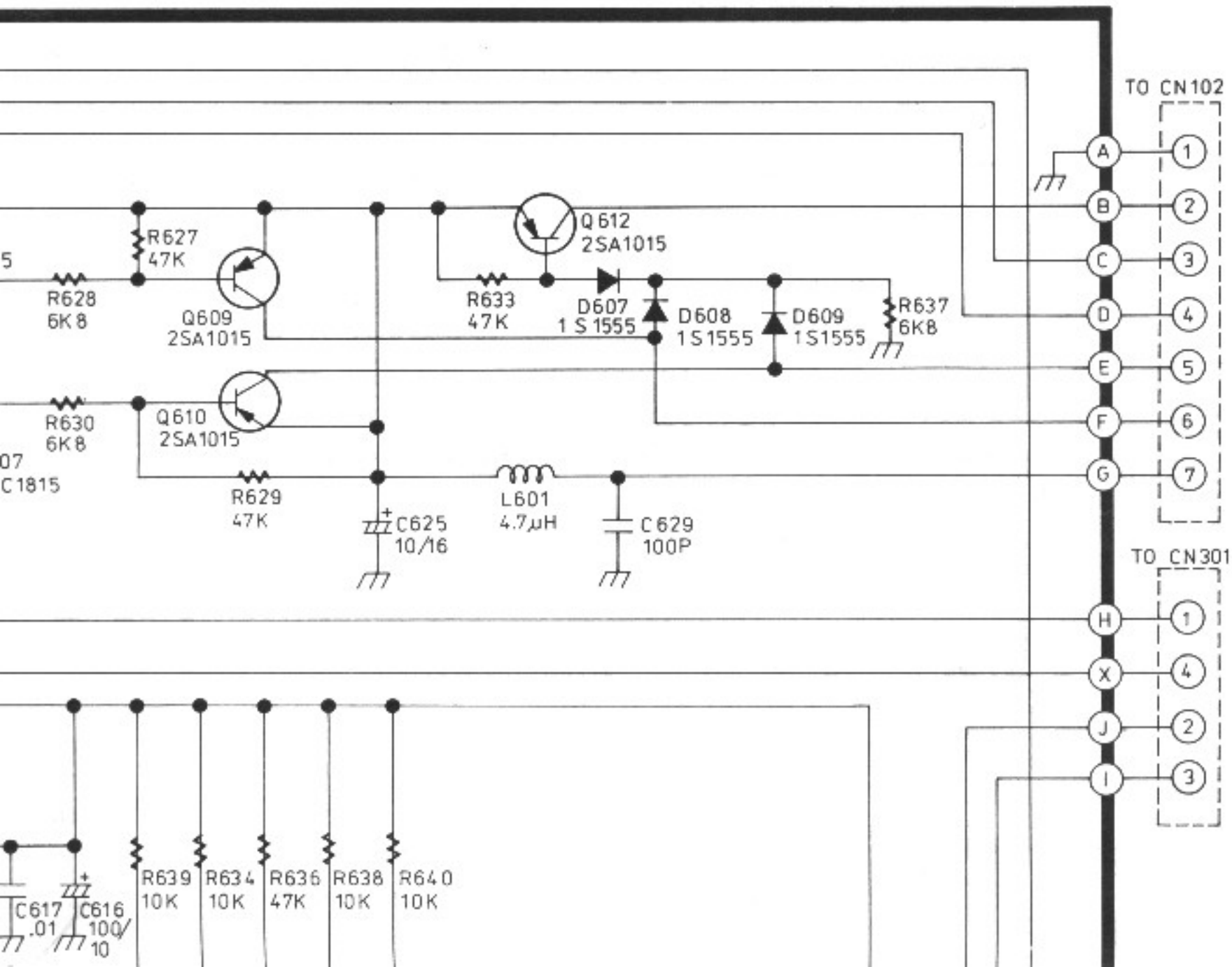
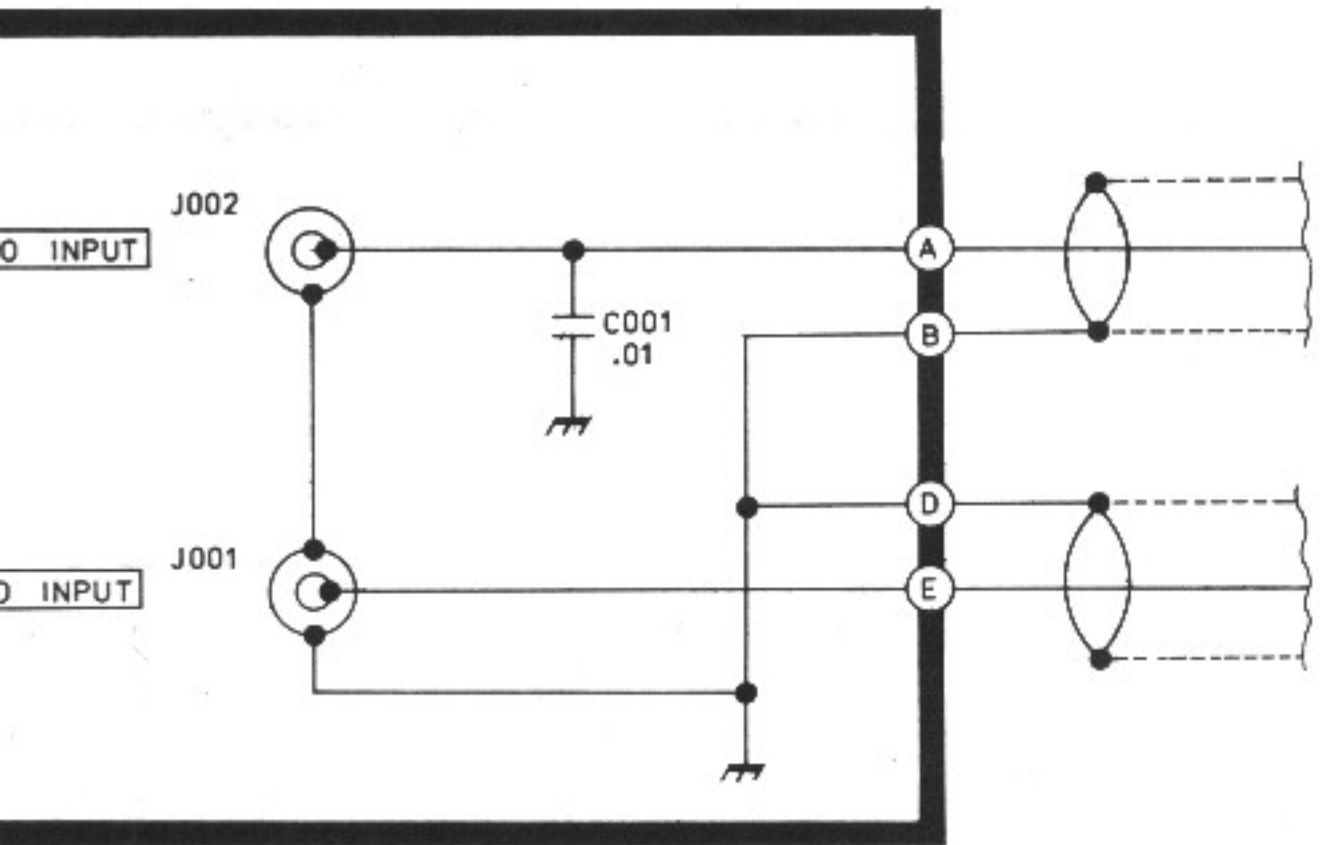


LOCATION COMMANDS



- 1. 1
- 2. 2
- 3. 3
- 4. 4
- 5. 5
- 6. 6
- 7. 7
- 8. 8
- 9. 9
- 10. 0
- 11. -
- 12. -
- 13. -
- 14. -
- 15. -
- 16. -
- 17. PROGRAM UP
- 18. PROGRAM DOWN
- 19. VOLUME UP
- 20. VOLUME DOWN
- 21. STAND BY
- 22. MUTE
- 23. TV/AV
- 24. -
- 25. SLEEP
- 26. RECALL
- 27. -
- 28. -
- 29. (+)
- 30. (-)
- 31. PICTURE





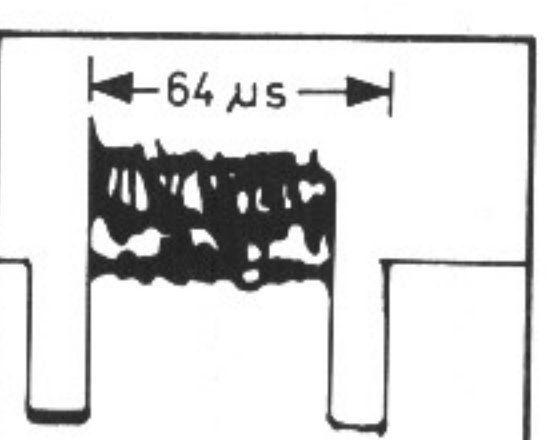
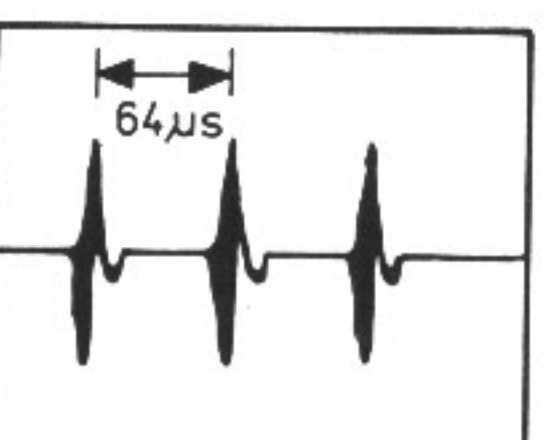
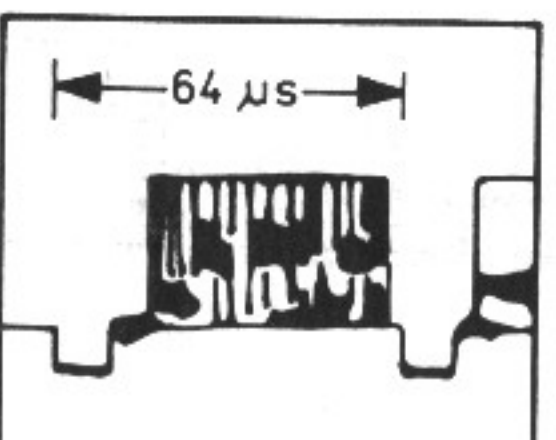
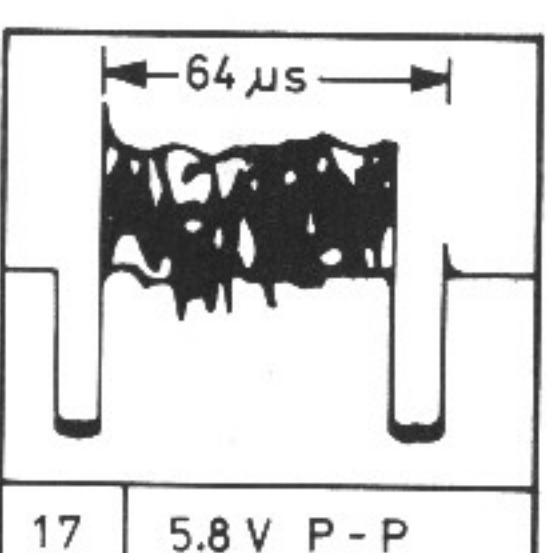
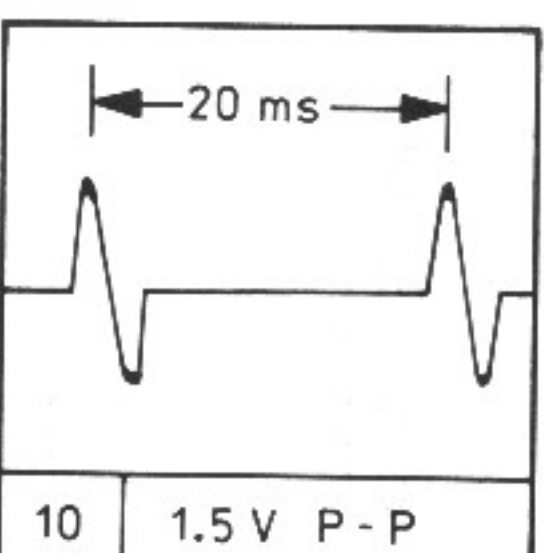
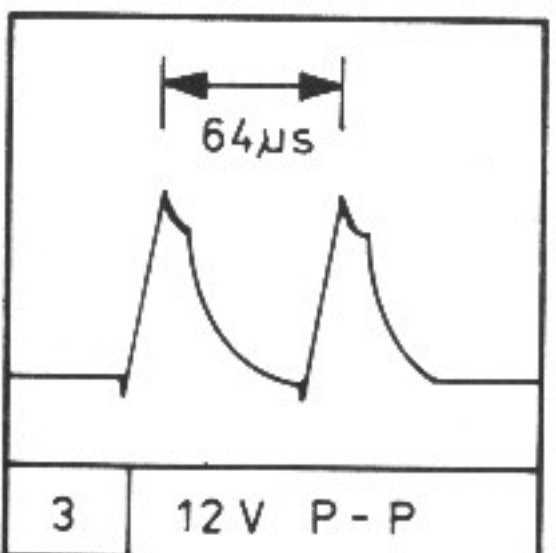
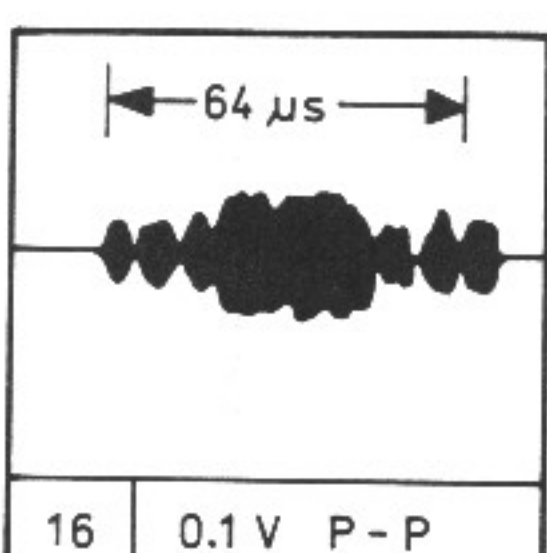
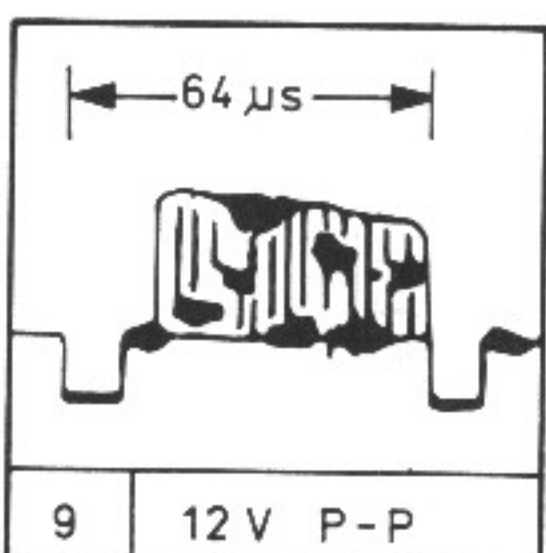
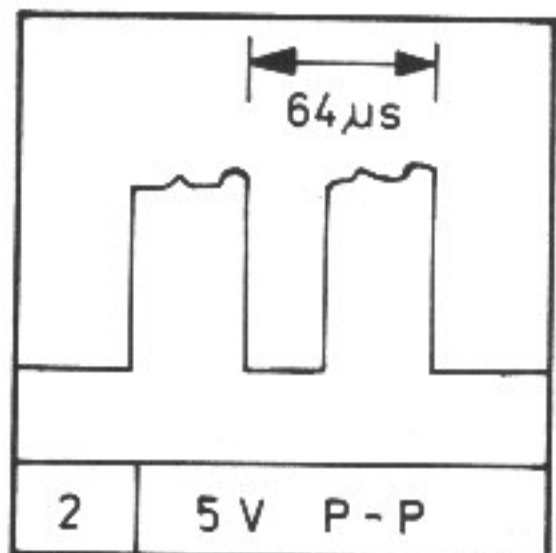
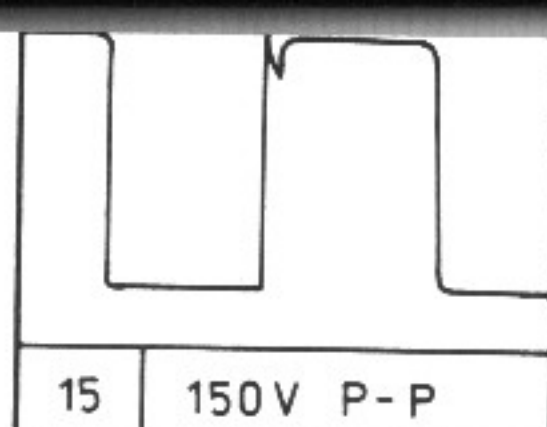
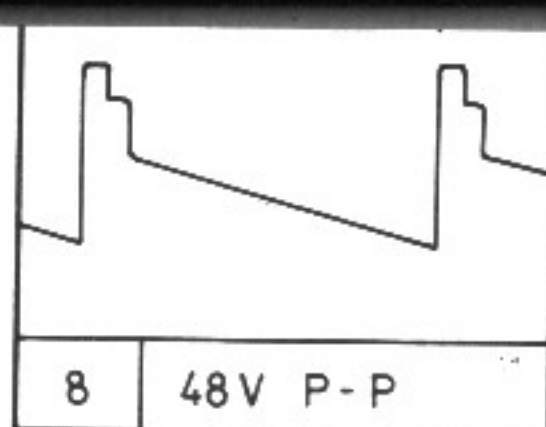
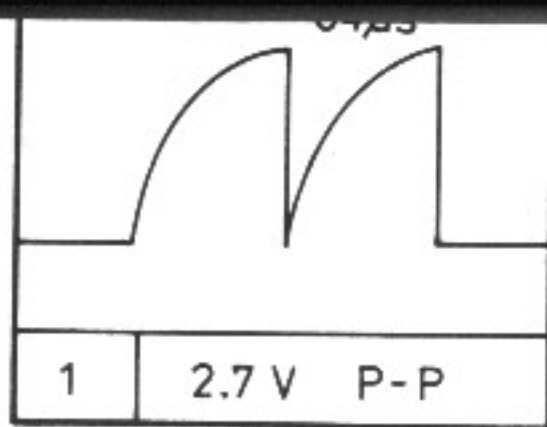
VOLTAGE TABLE FOR TRANSISTOR

SYMBOL	B (V)	C (V)	E (V)	SYMBOL	B (V)	C (V)	E (V)

OF DIODES AND TRANSISTORS

CRITICAL DATA

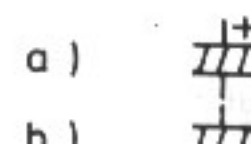
EQUIVALENTS



1N4148	Si; FAST
1S1555	Si; GEN.
1S5295	Si; GEN.
S5295	≡ 1S5295
RG2	Si; FAST
RU 2	≡ 1S5295
ZD39+33V	ZENER D
2 SA1015	Si; PNP;
2 SB774	Si; PNP;
2 SC1815	Si; NPN;
2 SC 2482	Si; NPN;
2 SD400F	Si; NPN;
2 SD 820	Si; NPN;
2SD1554	Si; NPN;

NOTE

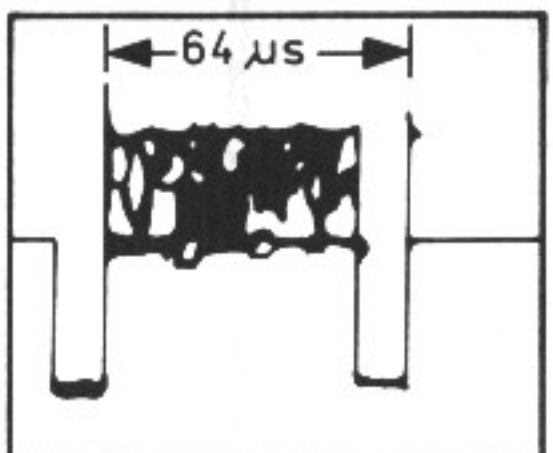
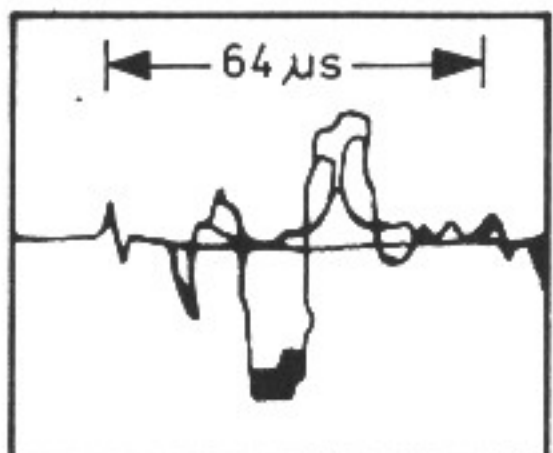
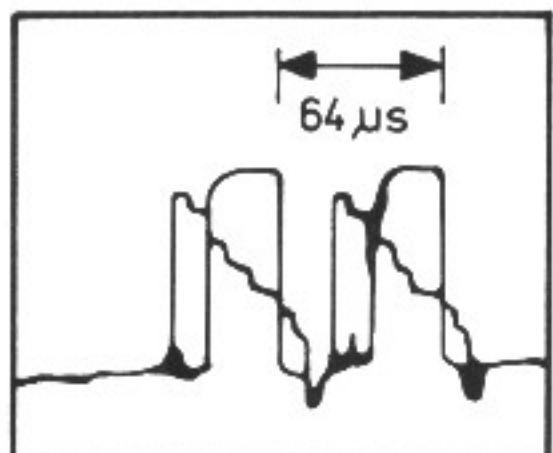
- (1) ALL CAPA
ALL CAPA
- (2) CAPACITO
CAPACITO



4 17 V P-P

11 3 V P-P

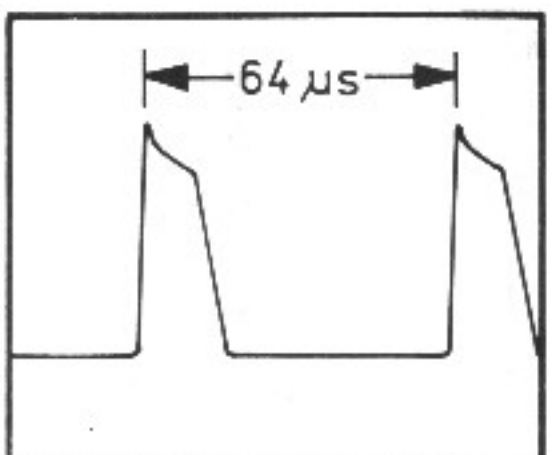
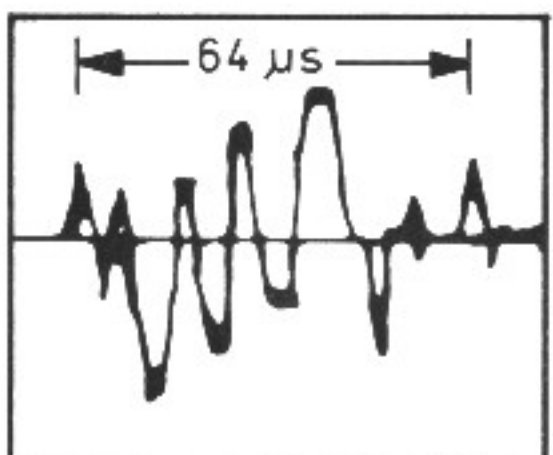
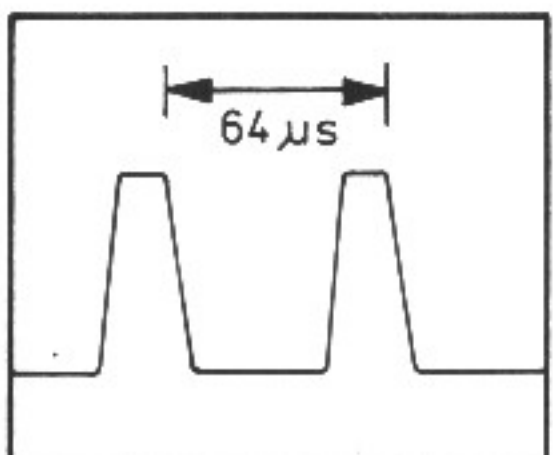
18 5.8 V P-P



5 23 V P-P

12 0.72 V P-P

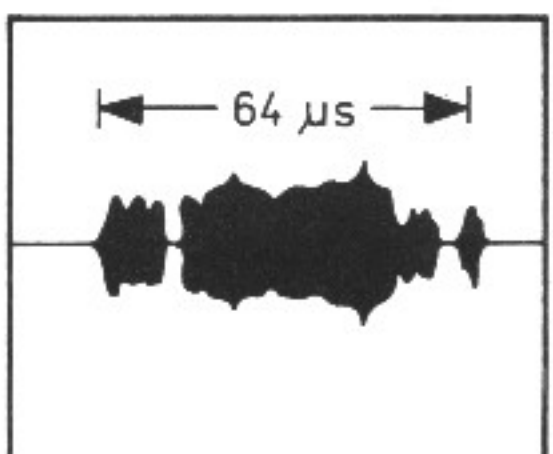
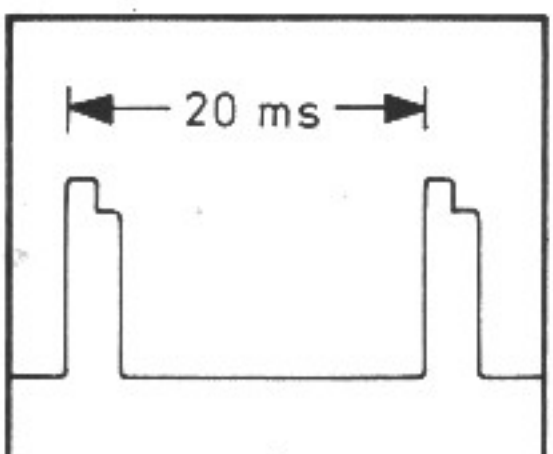
19 5.8 V P-P



6 8 V P-P

13 0.82 V P-P

20 1060 V P-P



7 20 V P-P

14 0.12 V P-P

- d) (MP)
- e) (P)
- f) (PP)
- g) (M)

(3) ALL RESIS NOTED.

(4) RESISTOR FILM RESIS

- a)
- b)
- c)
- d)
- e)

(5) DC VOLTAGE THE CIRCU

(6) WAVEFORMS A NORMAL

(7) THIS CIRCU PRIOR NOT

WITCH; 0.2A; 100 V; 4 ns;	BAY61
PROSE; FAST SWITCH; DET; 0.16 A; 200 V; 50 ns;	
RP.; FAST RECOVERY; 1 A; 600 V; 200 ns;	
ECOVERY; GEN. PURP RECT.; 3 A; 600 V; 250 ns;	
DE; 3.9-33 V; 1 W ($\frac{1}{2}$ W); 5 %;	
TRANSISTORS	
i; 50 V; 0.15 A; 0.4 W;	BC177; BC307
i; 30 V; 0.1 A; 0.25 W;	BC308; BC558
-ra; 60 V; 0.15 A; 0.4 W; Kompl. 2 SA1015	BC414
/S-L; 300 V; 0.1 A; 0.9 W;	BF299
i; 25 V; 1 A; 0.75 W;	BC338
-HA; 1500 V; 3.5 A; 50 W;	BU208; BU308;BU500
-HA; 5 A; 1500 V; with Damper Diode; 120 W;	

Q104	0.1	3.5	GND	Q403	0.2	116	GND
Q105	0.8	2.9	0.1	Q501	2	112	1.8
Q106	0	12.8	0	Q502	2	116	1.9
Q107	5.9	11.5	5.1	Q503	2.7	114	2.3
Q108	0.6	0	0	Q504	3	112	2.7
Q109	0	0.6	0	Q505	2.9	109	2.5
Q110	0.6	0	GND	Q603	4.7	0.04	4.7
Q111	0	9.9	GND	Q604	0.05	4.7	0.03
Q112	2.9	12.8	2.3	Q605	0.08	0.04	0.04
Q113	3.3	7.7	2.7	Q606	-0.06	4.3	0.36
Q114	7.7	12.8	7	Q607	-0.09	4.2	0.03
Q115	2.7	12.8	2.11	Q608	-0.06	4.3	0.03
Q116	0.2	11.0	0	Q609	12.5	0	12.5
Q201	3.1	11.6	4.6	Q610	12.5	0	12.5
Q202	0	7.9	0	Q611	11.8	12.4	0
Q301	0.5	0	GND	Q612	0.7	0.1	0.2
Q302	0	7.8	GND	Q614	0.15	3.2	0.3
Q303	0	8.6	0.1	Q615	0.09	8.8	0.03
Q304	10.9	0	11.5	Q901	8.7	12.1	8
Q305	8.2	0	8.9	Q902	5.3	0	1.9
Q306	0	3	0	Q903	0	1.1	0
Q307	0	3	GND	Q904	-2.4	261	0
Q401	16.6	16.6	15.8				

NOTE : Voltage are taken under tuned condition with

- CONTRAST : Maximum Position
- BRIGHTNESS : Center Position
- COLOR : Center Position
- SIGNAL INPUT : 80 dBuV
- CHANNEL SETTING : The Last Channel of VHF High

SYMBOL PIN NO.	IC 101 (V)	IC 102 (V)	IC 201 (V)	IC 301 (V)	IC 302 (V)
1	4.82	0	10.0	11.20	11.20
2	5.32	2.82	4.5	11.00	9.48
3	4.36	2.82	0	8.54	2.86
4	4.59	3.97	9.1	8.54	2.80
5	3.45	0.01	7.1	2.27	2.90
6	6.81	0.01	7.4	1.60	1.50
7	3.10	GND	GND	6.17	1.10
8	3.10	1.04	7.5	5.38	1.52
9	4.80	1.55	15.6	8.80	9.08
10	4.80	1.55		1.91	2.28
11	2.44	1.35		1.20	2.28
12	7.52	9.72		8.73	2.27
13	3.65	9.72		5.68	2.27
14	6.59	12.40		GND	GND
15	6.59			7.30	2.27
16	9.51			4.20	2.28
17	2.07			8.45	10.40
18	5.34			8.45	0.10
19	5.33			0	6.17
20	9.68			9.14	0.01
21	GND			3.05	9.02

ITORS ARE IN μ F UNLESS OTHERWISE NOTED.

ITORS ARE 50 UNLESS OTHERWISE NOTED.

NOT SPECIFICALLY DESIGNATED ARE CERAMIC

S.

ELECTROLYTIC CAPACITOR

BI-POLAR ELECTROLYTIC CAPACITOR

