

Q101	VOLT.
B	1.3V
C	0.4V
E	4.2V

Q110	VOLT.
B	10V
C	12V
E	9V

Q553	VOLT.
B	7V
C	40V
E	5.5V

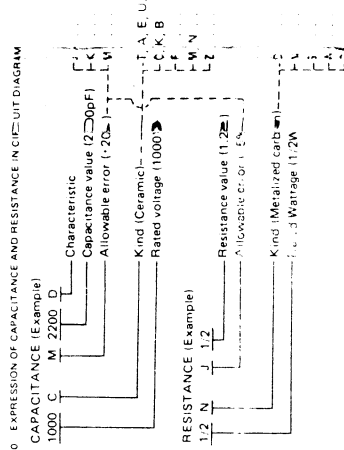
Q552	VOLT.
B	0.7V
C	0.1V
E	0V

Q551	VOLT.
B	23.5V
C	24V
E	24V

Q513	VOLT. WAVEFORM
B	1.5V
C	280V

Q512	VOLT. WAVEFORM
B	2.7V
C	-1.5V

Q511	VOLT.
B	10V
C	-0.8V
E	10.8V



- CIRCUIT DIAGRAM NOTES**
1. ALL RESISTANCE VALUES ARE IN OHMS $\times 1,000$ UNLESS OTHERWISE NOTED.
 2. ALL CAPACITANCE VALUES ARE IN P.F. UNLESS OTHERWISE NOTED.
 3. EXCEPTING ELECTROLYTIC CAPACITORS, ALL CAPACITANCE VALUES OF LESS THAN 1 ARE EXPRESSED IN P.F. AND MORE THAN 1 ARE IN P.F.
 4. ELECTROLYTIC CAPACITANCE VALUES ARE IN P.F.
 5. ALL CAPACITANCE RATED VOLTAGE VALUES ARE IN P.F.
 6. VOLTAGE READINGS ARE IN OHMS UNLESS OTHERWISE NOTED.
 7. ALL VOLTAGES MAY VARY WITH SIGNAL STRENGTH.
 8. ALL VOLTAGES MAY VARY WITH CONTROL SIGNAL AND CONTROL ADJUSTED.
 9. WAVEFORMS WERE TAKEN WITH COLOUR BAR SIGNAL AND CONTROL ADJUSTED.
 10. WAVEFORMS WERE TAKEN BY USING A WIDE BAND OSCILLOSCOPE AND A 100:1 ATTENUATOR.
 11. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 12. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 13. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 14. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 15. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 16. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 17. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 18. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 19. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.
 20. ALL MEASUREMENTS WERE TAKEN WITH THE CHASSIS GROUND.

SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A COMPONENT REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER COMPONENTS INDICATED BY A MARK Δ IN THIS CIRCUIT DIAGRAM. COMPONENTS WHOSE VALUE HAVE SPECIAL SIGNIFICANCE TO PRODUCT SAFETY, IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS SPECIFIED ON THE PARTS LIST OF SERVICE MANUAL BE USED FOR REPLACEMENT. IN THE EVENT OF A COMPONENT REPLACEMENT, THE ONLY BY THE MARK.

SERVICE PRECAUTION

THE AREA ENCLOSED BY THIS LINE IS TO BE DIRECTLY CONNECTED WITH AC MAINS. SERVICING THE CHASSIS WITH AC MAINS PLUGGING TRANSFORMER BETWEEN RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

TELEVISION

A3-A

CHASSIS SERIES

SERVICE REF. NO. **CEP3024PG-00**
CEP303/PG-00

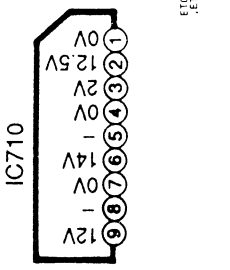
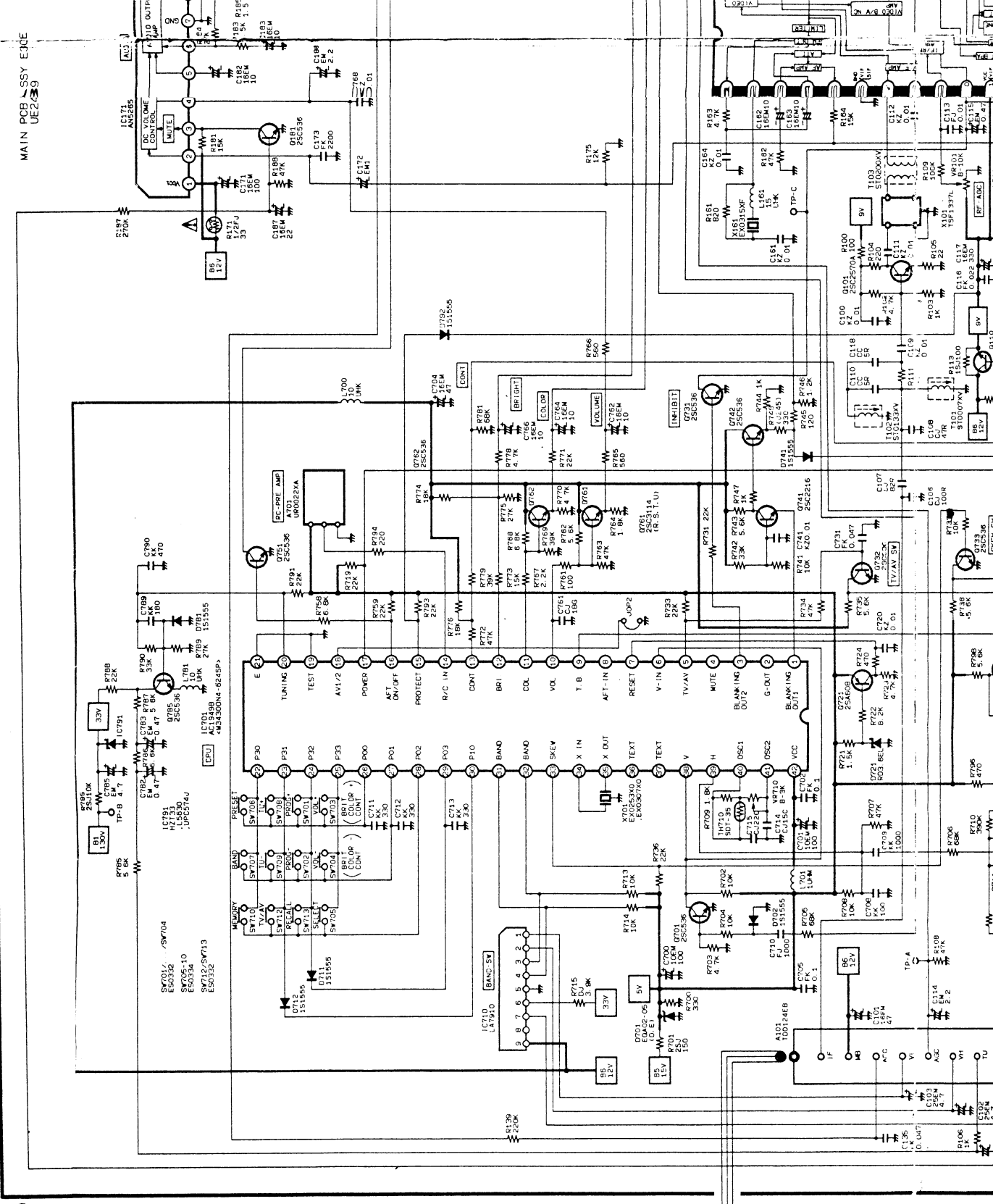
Part No. 4AA6P200295 - A E3CH - A

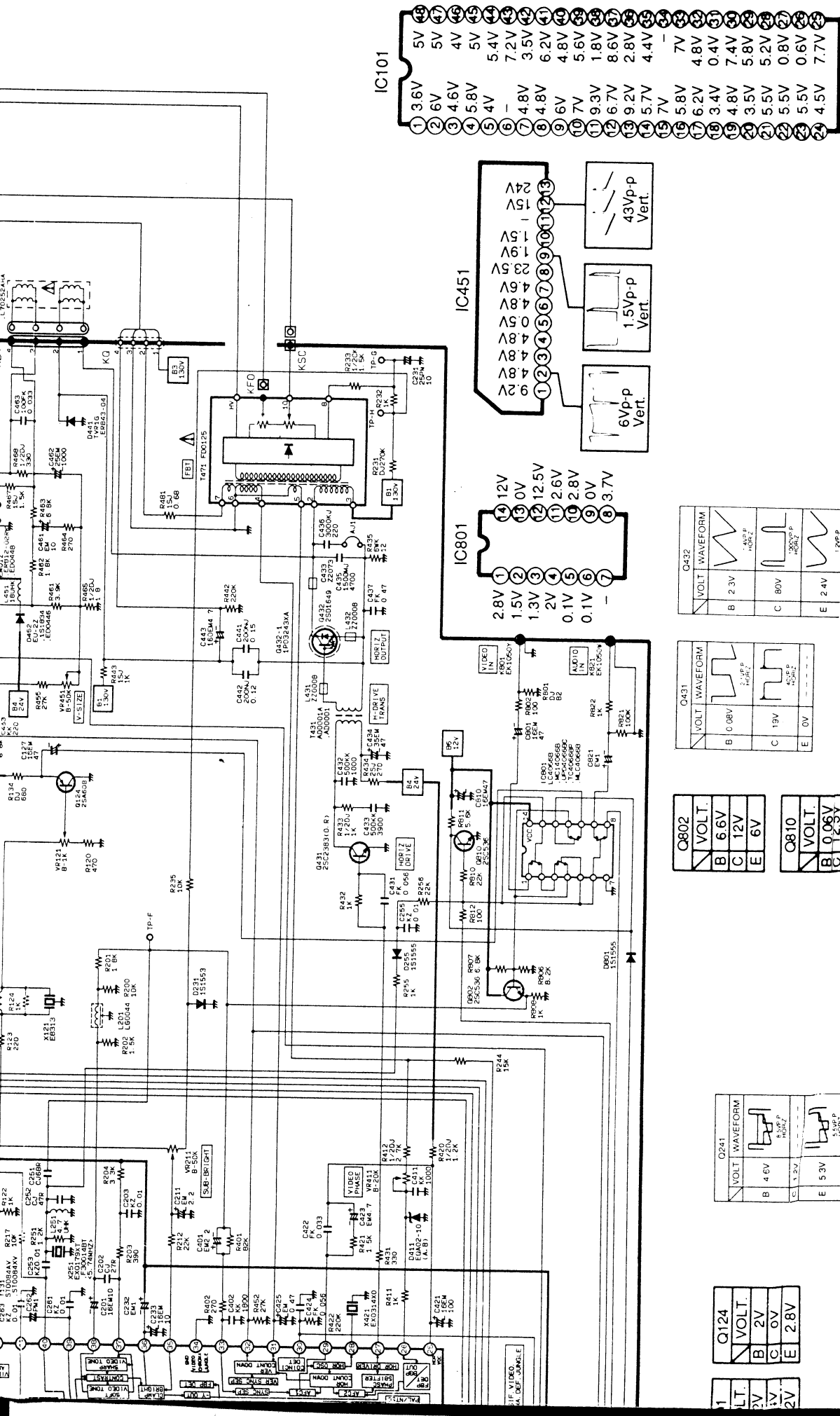
MAIN PCB ASSY EDGE
UE239

Q792	VOLT.	A 11.5V	B 0V	C 11V	E 0V
Q785	VOLT.	A 0.5V	B 0.5V	C 4.6V	E 0V
Q751	VOLT.	A 0.03V	B 0.03V	C 7.2V	E 0V
Q742	VOLT.	A 0.17V	B 0.17V	C 12V	E 12V
Q741	VOLT.	A 0.15V	B 0.15V	C 0.1V	E 0.9V
Q733	VOLT.	A 0.7V	B 0.7V	C 0.03V	E 0V
Q732	VOLT.	A 0.7V	B 0.7V	C 0.06V	E 0V
Q731	VOLT.	A 0.03V	B 0.03V	C 7V	E 0V
Q721	VOLT.	A 4.6V	B 4.6V	C 5.2V	E 5.3V
Q701	VOLT.	A 5.4V	B 0V	C 5.4V	E 0V

1	OUT	(0.1V)
2	ON SCREEN (NOT USED)	(0.4V)
3	ON SCREEN DISPLAY	(0.5V)
4	ON SCREEN DISPLAY	(0.5V)
5	ON SCREEN DISPLAY	(0.5V)
6	ON SCREEN DISPLAY	(0.5V)
7	ON SCREEN DISPLAY	(0.5V)
8	ON SCREEN DISPLAY	(0.5V)
9	ON SCREEN DISPLAY	(0.5V)
10	ON SCREEN DISPLAY	(0.5V)
11	ON SCREEN DISPLAY	(0.5V)
12	ON SCREEN DISPLAY	(0.5V)
13	ON SCREEN DISPLAY	(0.5V)
14	ON SCREEN DISPLAY	(0.5V)
15	ON SCREEN DISPLAY	(0.5V)
16	ON SCREEN DISPLAY	(0.5V)
17	ON SCREEN DISPLAY	(0.5V)
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30	ON SCREEN DISPLAY	(0.5V)
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37	ON SCREEN DISPLAY	(0.5V)
38	ON SCREEN DISPLAY	(0.5V)
39	ON SCREEN DISPLAY	(0.5V)
40	ON SCREEN DISPLAY	(0.5V)
41	ON SCREEN DISPLAY	(0.5V)
42	ON SCREEN DISPLAY	(0.5V)

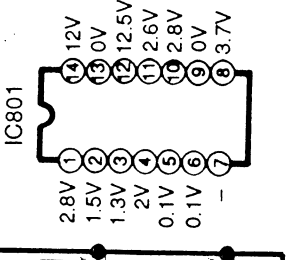
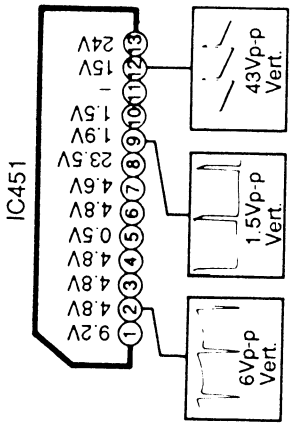
1	ON SCREEN	(5V)
2	BLANKING OUTPUT	(0.4V)
3	ON SCREEN (NOT USED)	(0.4V)
4	ON SCREEN DISPLAY	(0.5V)
5	ON SCREEN DISPLAY	(0.5V)
6	ON SCREEN DISPLAY	(0.5V)
7	ON SCREEN DISPLAY	(0.5V)
8	ON SCREEN DISPLAY	(0.5V)
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25	ON SCREEN DISPLAY	(0.5V)
26	ON SCREEN DISPLAY	(0.5V)
27	ON SCREEN DISPLAY	(0.5V)
28	ON SCREEN DISPLAY	(0.5V)
29	ON SCREEN DISPLAY	(0.5V)
30	ON SCREEN DISPLAY	(0.5V)
31	ON SCREEN DISPLAY	(0.5V)
32	ON SCREEN DISPLAY	(0.5V)
33	ON SCREEN DISPLAY	(0.5V)
34	ON SCREEN DISPLAY	(0.5V)
35	ON SCREEN DISPLAY	(0.5V)
36	ON SCREEN DISPLAY	(0.5V)
37	ON SCREEN DISPLAY	(0.5V)
38	ON SCREEN DISPLAY	(0.5V)
39	ON SCREEN DISPLAY	(0.5V)
40	ON SCREEN DISPLAY	(0.5V)
41	ON SCREEN DISPLAY	(0.5V)
42	ON SCREEN DISPLAY	(0.5V)





IC101

1	3.6V
2	6V
3	4.6V
4	5.8V
5	4V
6	-
7	4.8V
8	6.2V
9	6V
10	7V
11	9.3V
12	6.7V
13	9.2V
14	5.7V
15	7V
16	5.8V
17	6.2V
18	3.4V
19	4.8V
20	3.5V
21	5.5V
22	5.5V
23	5.5V
24	4.5V
25	7.7V
26	0.6V
27	0.8V
28	5.2V
29	5.8V
30	7.4V
31	0.4V
32	4.8V
33	7V
34	5.8V
35	4.4V
36	2.8V
37	8.6V
38	1.8V
39	4.8V
40	5.6V
41	6.2V
42	3.5V
43	7.2V
44	5.4V
45	5V
46	4V
47	5V
48	5V
49	5V
50	5V



1	2.8V
2	1.5V
3	1.3V
4	2V
5	0.1V
6	0.1V
7	3.7V
8	0V
9	2.8V
10	2.6V
11	12.5V
12	12.5V
13	0V
14	12V

Q431 WAVEFORM	
B	0.08V
C	19V
E	0V

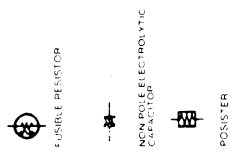
Q802 VOLT	
B	6.6V
C	12V
E	6V

Q810 VOLT	
B	0.06V
C	0.25V
E	0V

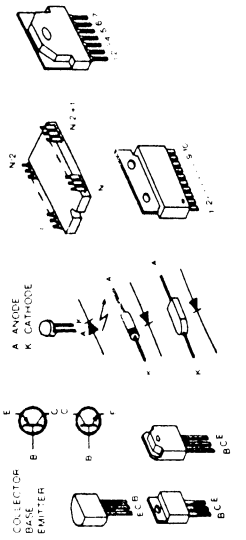
Q241 WAVEFORM	
B	4.6V
C	1.2V
E	5.3V

Q124 VOLT	
B	2V
C	0V
E	2.8V

PARTICULAR PARTS SYMBOL



TRANSISTOR, DIODE & INTEGRATED CIRCUIT TERMINAL GUIDE



11 DIODE (S1555) MAY BE REPLACED WITH (S273) (S2076) OR (S8447) UNLESS OTHERWISE NOTED (E, F, G) MAY BE REPLACED WITH (25C1740) (Q, R, S), (25C1740) (Q, R, S), (25C945A) (Q, R, P) OR (25C1815) (Q, O, Y) UNLESS OTHERWISE NOTED

- 10%
- 20%
- A, E, U, D Electrolytic
- X, B Ceramic
- N Mylar film
- Polypropylene
- Metallized paper
- Carbon
- Metallized carbon
- Oxidized metallized
- Wire winding
- Solid

Q641	VOLT.
B	0V
C	100V
E	0V

Q601	VOLT.	WAVEFORM
C	94V	HORIZ 10V/P HORZ
E	6.4V	10V/P HORZ

Q611	VOLT.	WAVEFORM
B	6.6V	4.0V/P HORZ
C	98V	10V/P HORZ
E	6.4V	10V/P HORZ

Q621	VOLT.	WAVEFORM
B	6.6V	3.7V/P HORZ
C	97V	10V/P HORZ
E	6.4V	10V/P HORZ

