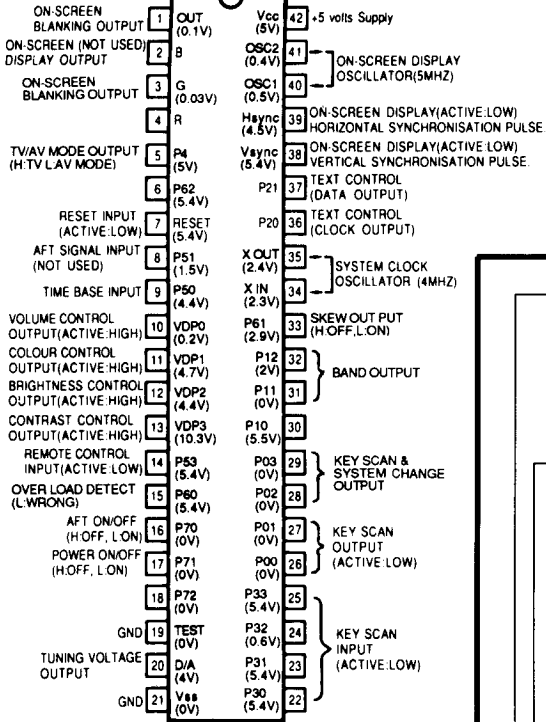
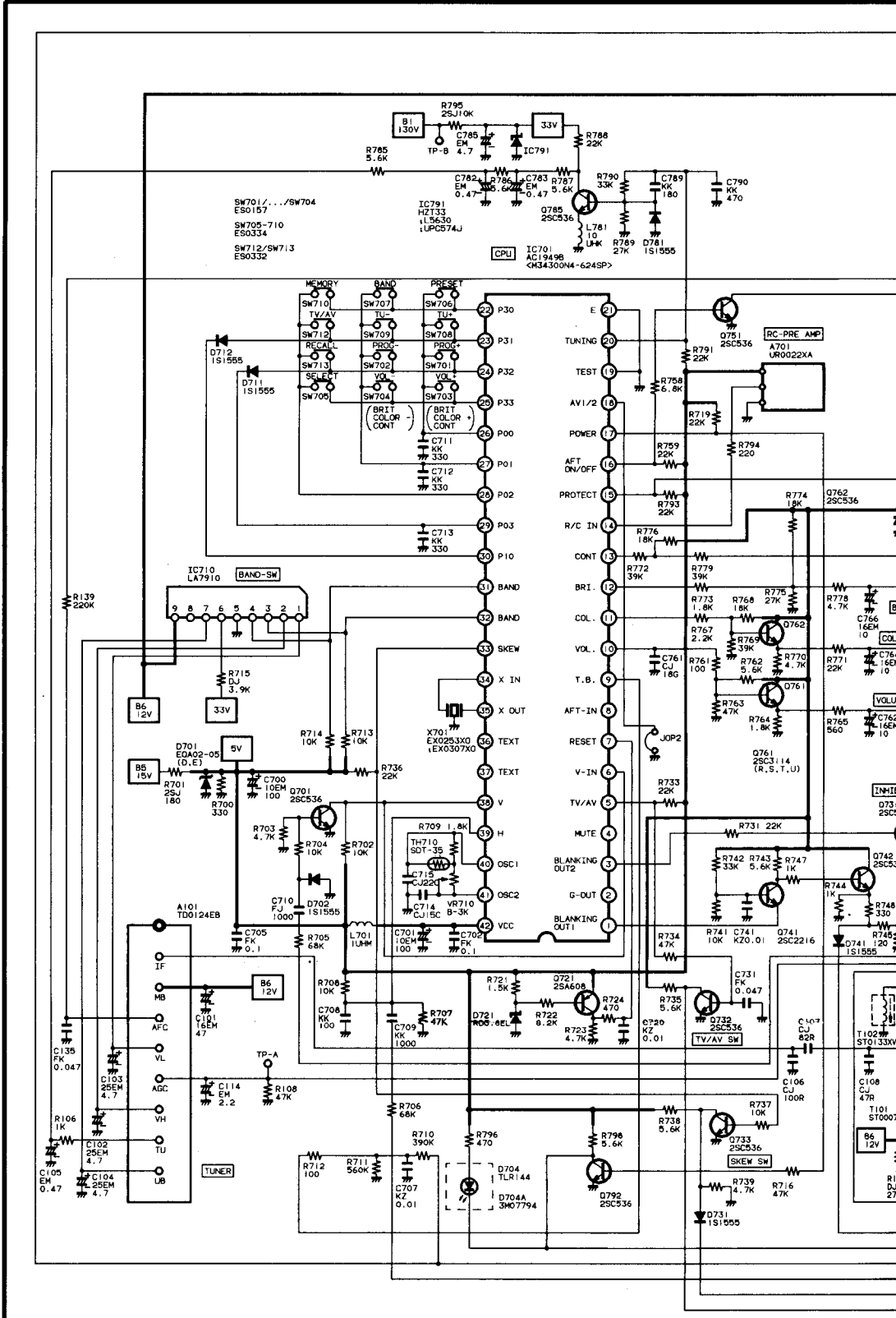
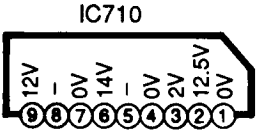


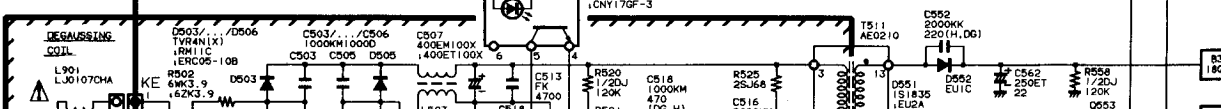
IC701



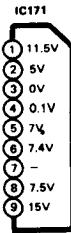
Q701	Q721	Q731	Q732	Q733	Q741	Q742
VOLT.	VOLT.	VOLT.	VOLT.	VOLT.	VOLT.	VOLT.
B 0V	B 4.6V	B 0.03V	B 0.7V	B 0.7V	B 0.15V	B 0.17V
C 5.4V	C 5.2V	C 7V	C 0.06V	C 0.03V	C 0.1V	C 12V
E 0V	E 5.3V	E 0V	E 0V	E 0V	E 0.9V	E 12V



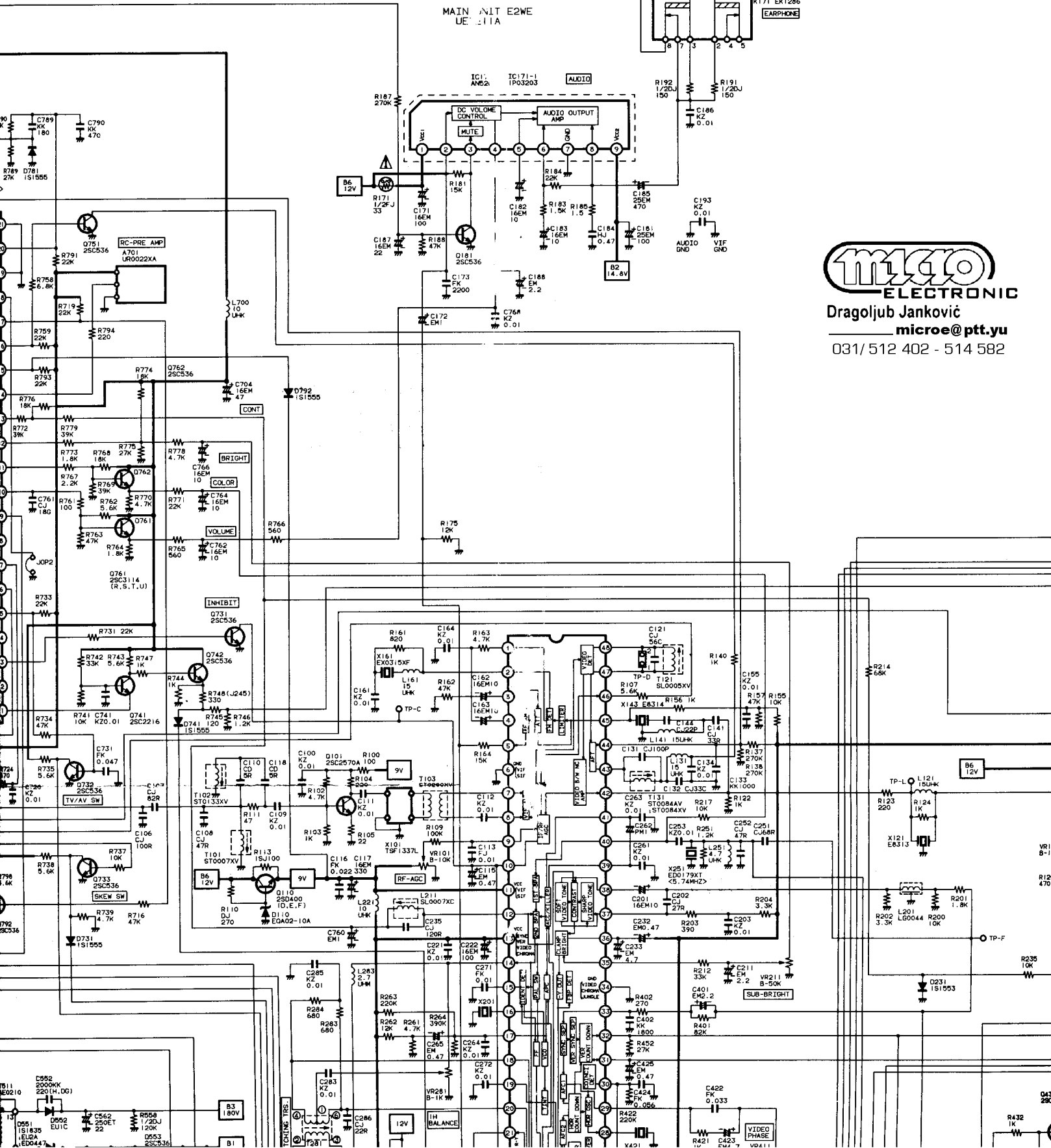
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Q733		Q741		Q742		Q751		Q785		Q792	
B	0.7V	B	0.15V	B	0.17V	B	0.03V	B	0.5V	B	0V
C	0.03V	C	0.1V	C	12V	C	7.2V	C	4.6V	C	11V
E	0V	E	0.9V	E	12V	E	0V	E	0V	E	0V



Q181		Q761		Q762	
B	0.7V	B	0.4V	B	8.6V
C	0.1V	C	12V	C	12V
E	0V	E	0.05V	E	8V



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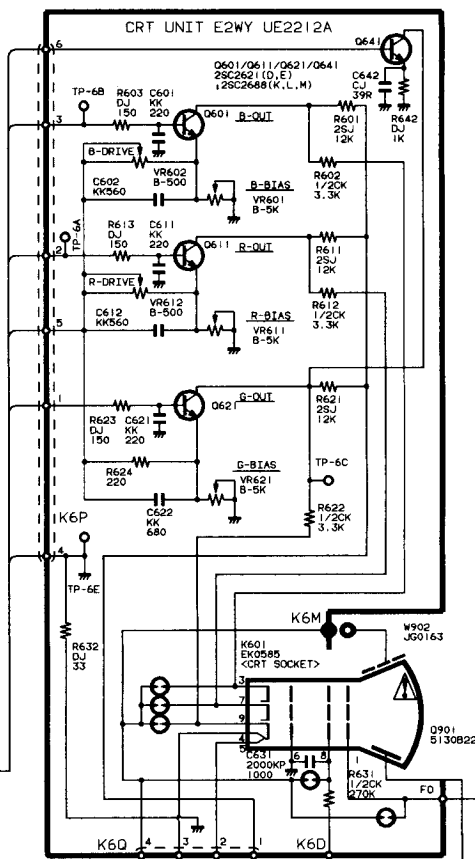
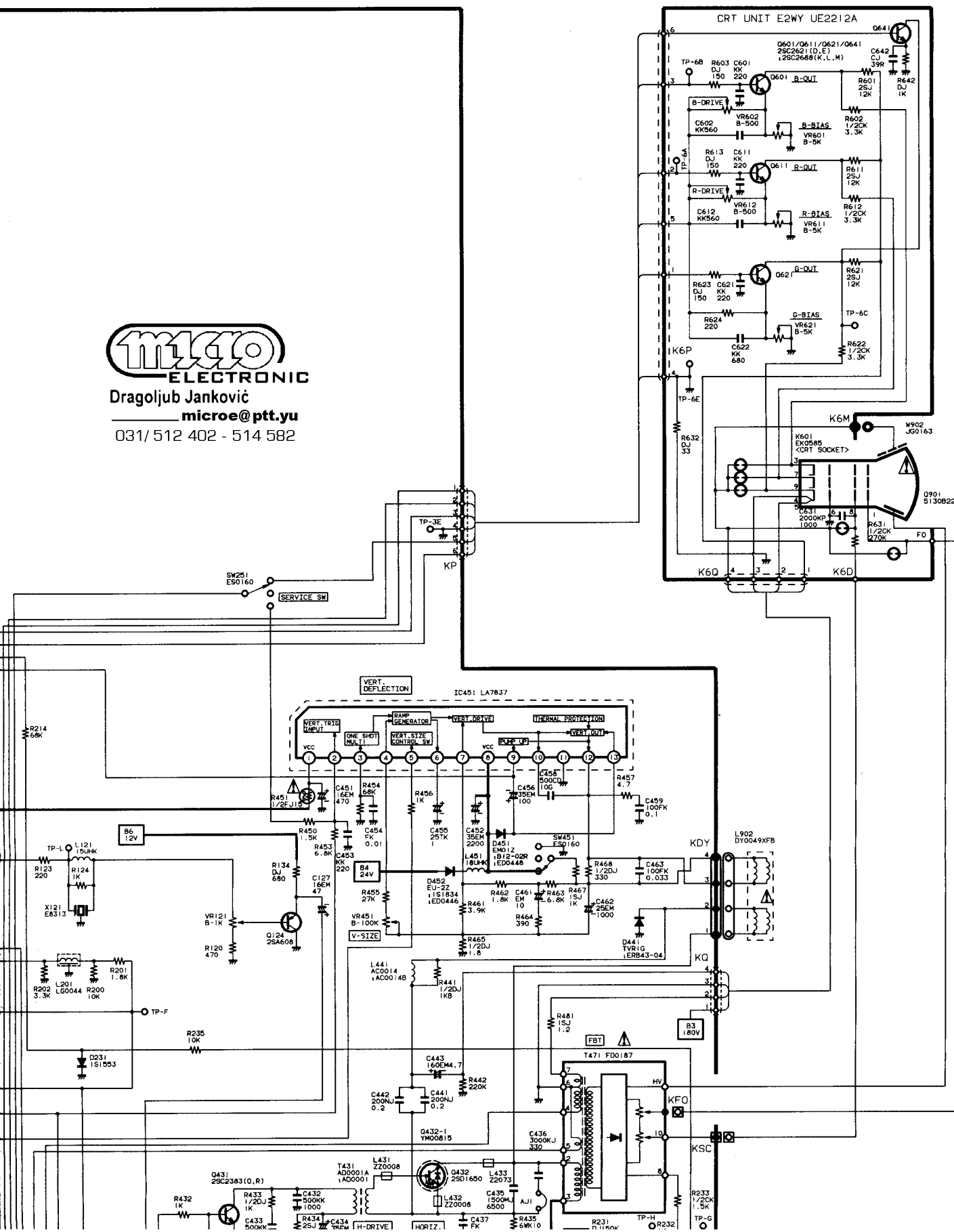
Q761
VOLT.
0.4V
12V
0.05V

Q762
VOLT.
B 8.6V
C 12V
E 8V

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



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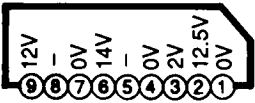
Q601	
VOLT.	WAVEFORM
B 6.6V	
C 104V	
E 6.4V	-----

Q611	
VOLT.	WAVEFORM
B 6.6V	
C 103V	
E 6.4V	-----

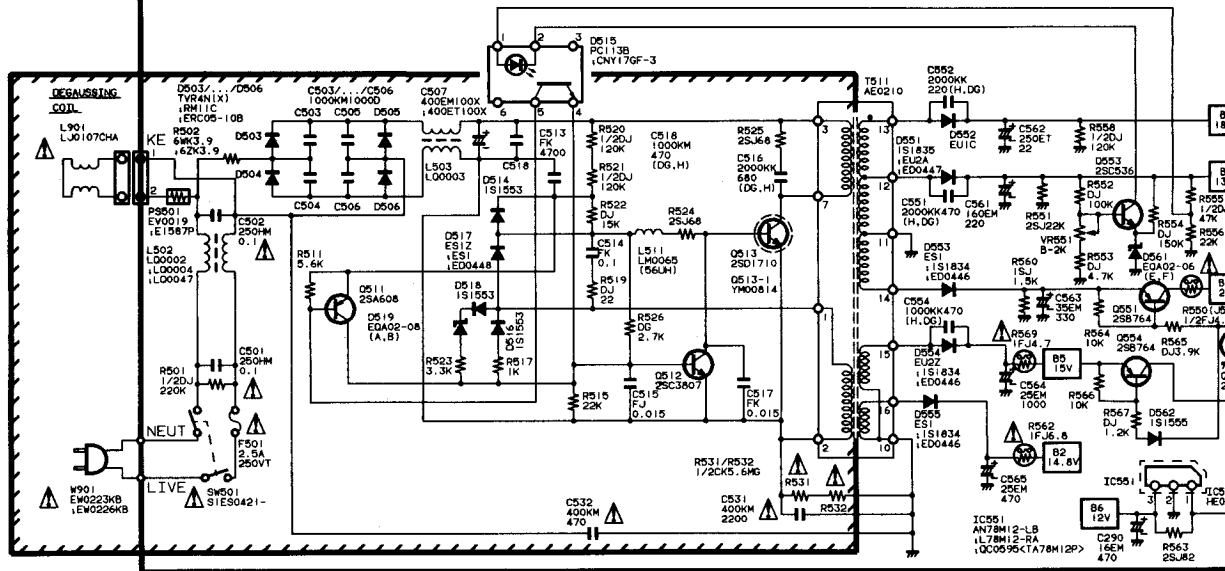
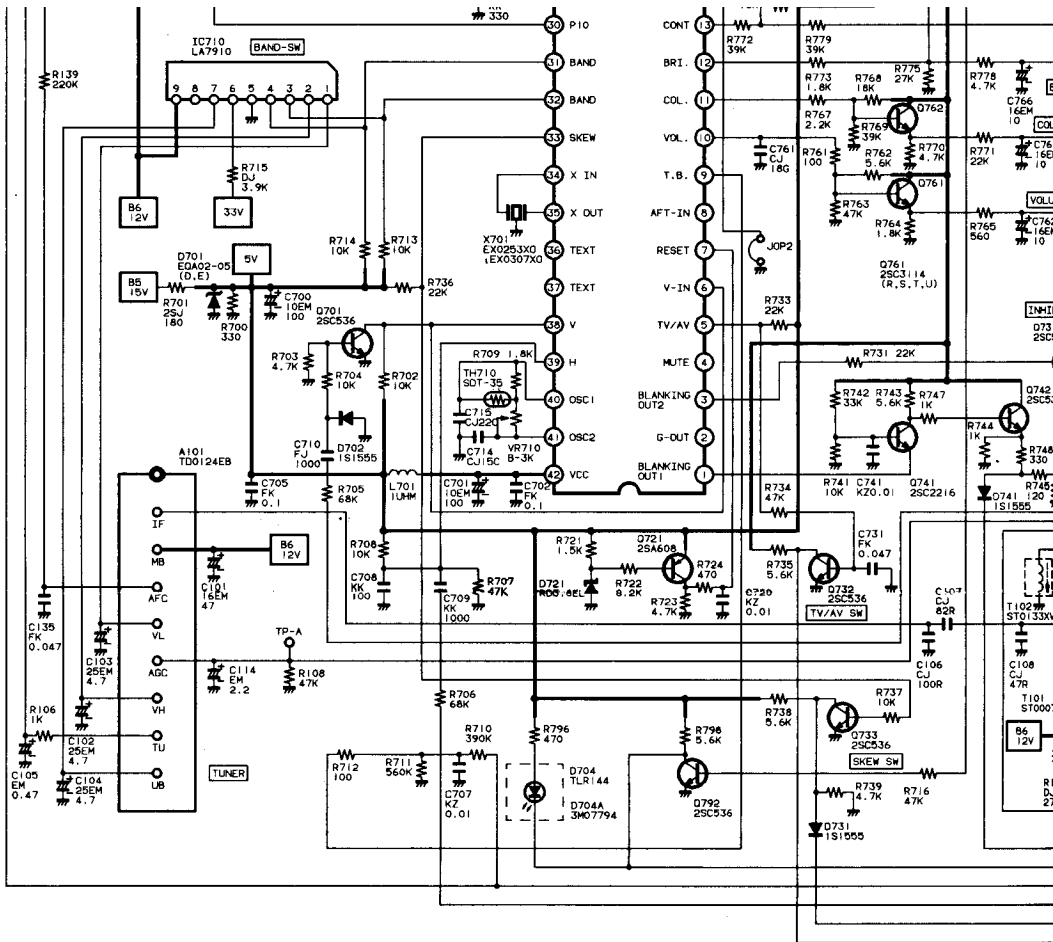
Q621	
VOLT.	WAVEFORM
B 6.6V	
C 100V	
E 6.4V	-----

Q631	
VOLT.	WAVEFORM
B 6.6V	
C 100V	
E 6.4V	-----

IC710



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SERVICE PRECAUTION:
THE AREA ENCLOSED BY THIS LINE () IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE. WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

Q511	
B	10V
C	-0.8V
E	10.8V

Q554	
B	15V
C	16V
E	16V

Q512	
B	-2.7V
C	-1.5V
E	0V

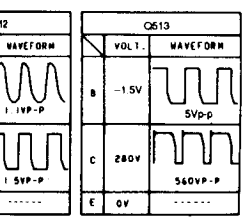
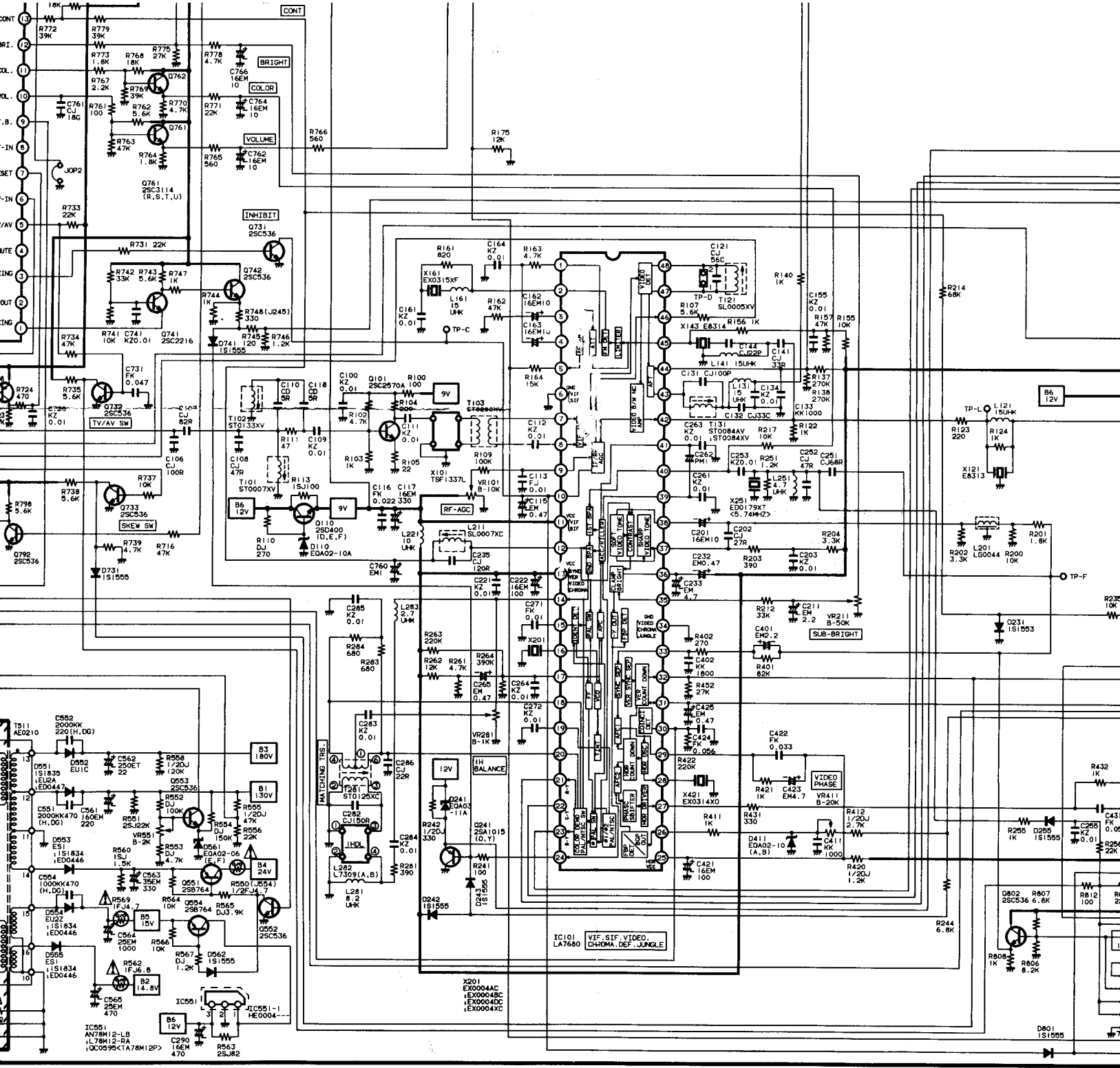
Q513	
B	-1.5V
C	280V
E	0V

Q551	
B	23.5V
C	24V
E	24V

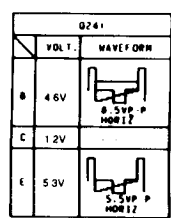
PRODUCT SAFETY NOTICE
PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A COMPONENT REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER COMPONENTS INDICATED BY A MARK Δ IN THIS CIRCUIT DIAGRAM SHOW COMPONENTS WHOSE VALUE HAVE SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS SPECIFIED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

CIRCUIT DIAGRAM NOTES:
1. ALL RESISTANCE VALUES ARE IN OHMS, K = 1,000, M = 1,000,000.
2. ALL RESISTANCE RATED WATTAGES ARE 1/4W UNLESS OTHERWISE NOTED.
3. EXCEPTING ELECTROLYTIC CAPACITORS, ALL CAPACITANCE VALUES OF LESS THAN 1 ARE EXPRESSED IN UF, AND MORE THAN 1 ARE IN PF.
4. ALL CAPACITANCE RATED VOLTAGES ARE 50V UNLESS OTHERWISE NOTED.
5. ALL INDUCTANCE VALUES ARE IN MH.
6. VOLTAGE READINGS TAKEN WITH A "VTVM" ARE FROM POINT INDICATED TO CHASSIS GROUND. VOLTAGE READINGS TAKEN BY USING A COLOUR BAR SIGNAL ARE WITH ALL CONTROLS AT NORMAL AND AFC SWITCH IN "OFF" POSITION.
7. WAVEFORMS WERE TAKEN WITH COLOUR BAR SIGNAL AND CONTROLS ADJUSTED FOR NORMAL PICTURE. WAVEFORMS WERE TAKEN BY USING A WIDE BAND OSCILLOSCOPE AND A LOW CAPACITY PROBE.
8. VOLTAGE AND WAVEFORM VALUES OF TRANSISTORS IN THE AREA ENCLOSED BY () ARE MEASURED TO BASE THE ELECTRIC POTENTIAL AT PIN 3 OF T311.
9. THIS CIRCUIT DIAGRAM COVERS A BASIC OR REPRESENTATIVE CHASSIS ONLY. THERE MAY BE SOME COMPONENTS OR PARTIAL CIRCUIT DIFFERENCES BETWEEN ACTUAL CHASSIS AND THE CIRCUIT DIAGRAM.

SANYO
COLOUR TELEVISION
A3 CHASSIS SERIES
SERVICE REF. NO. **CEP6022-00**



Q551	Q552	Q553	Q110	Q101	Q124
B 23.5V	B 0.7V	B 7V	B 10V	B 1.2V	B 2V
C 24V	C 0.1V	C 40V	C 12V	C 0.4V	C 0V
E 24V	E 0V	E 6.5V	E 9V	E 4.2V	E 2.8V



GRAM NOTES:

RESISTANCE VALUES ARE IN OHMS, K = 1,000, M = 1,000,000.
 CAPACITANCE VALUES ARE IN UF, AND MORE THAN 1 ARE IN PF.
 RESISTANCE RATED VOLTAGES ARE SOV UNLESS OTHERWISE NOTED.
 CAPACITANCE RATED VOLTAGES ARE SOV UNLESS OTHERWISE NOTED.
 READINGS TAKEN WITH A "VTVM" ARE FROM POINT INDICATED TO
 ROUND. VOLTAGE READINGS TAKEN BY USING A COLOUR BAR SIGNAL
 ALL CONTROLS AT NORMAL AND AFC SWITCH IN "OFF" POSITION.
 READINGS MAY VARY WITH SIGNAL STRENGTH.
 READINGS WERE TAKEN WITH COLOUR BAR SIGNAL AND CONTROLS ADJUSTED
 TO BASE THE ELECTRIC POTENTIAL AT PIN 3 OF Q731.
 THIS DIAGRAM COVERS A BASIC OR REPRESENTATIVE CHASSIS ONLY.
 THERE MAY BE SOME COMPONENTS OR PARTIAL CIRCUIT DIFFERENCES BETWEEN THE
 CHASSIS AND THE CIRCUIT DIAGRAM.

10. EXPRESSION OF CAPACITANCE AND RESISTANCE IN CIRCUIT DIAGRAM.

CAPACITANCE (Example)

1000 C M 2200 D

Characteristic: J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z

Capacitance value (2200pF): J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z

Allowable error (±20%): J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z

Kind (Ceramic): T, A, E, U, D

Rated voltage (1000V): L, C, K, B, Ceramic
 F, Mylar film
 M, N, Polypropylene
 Z, Metalized paper

RESISTANCE (Example)

1/2 N J 1/2

Resistance value (1.2Ω): J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z

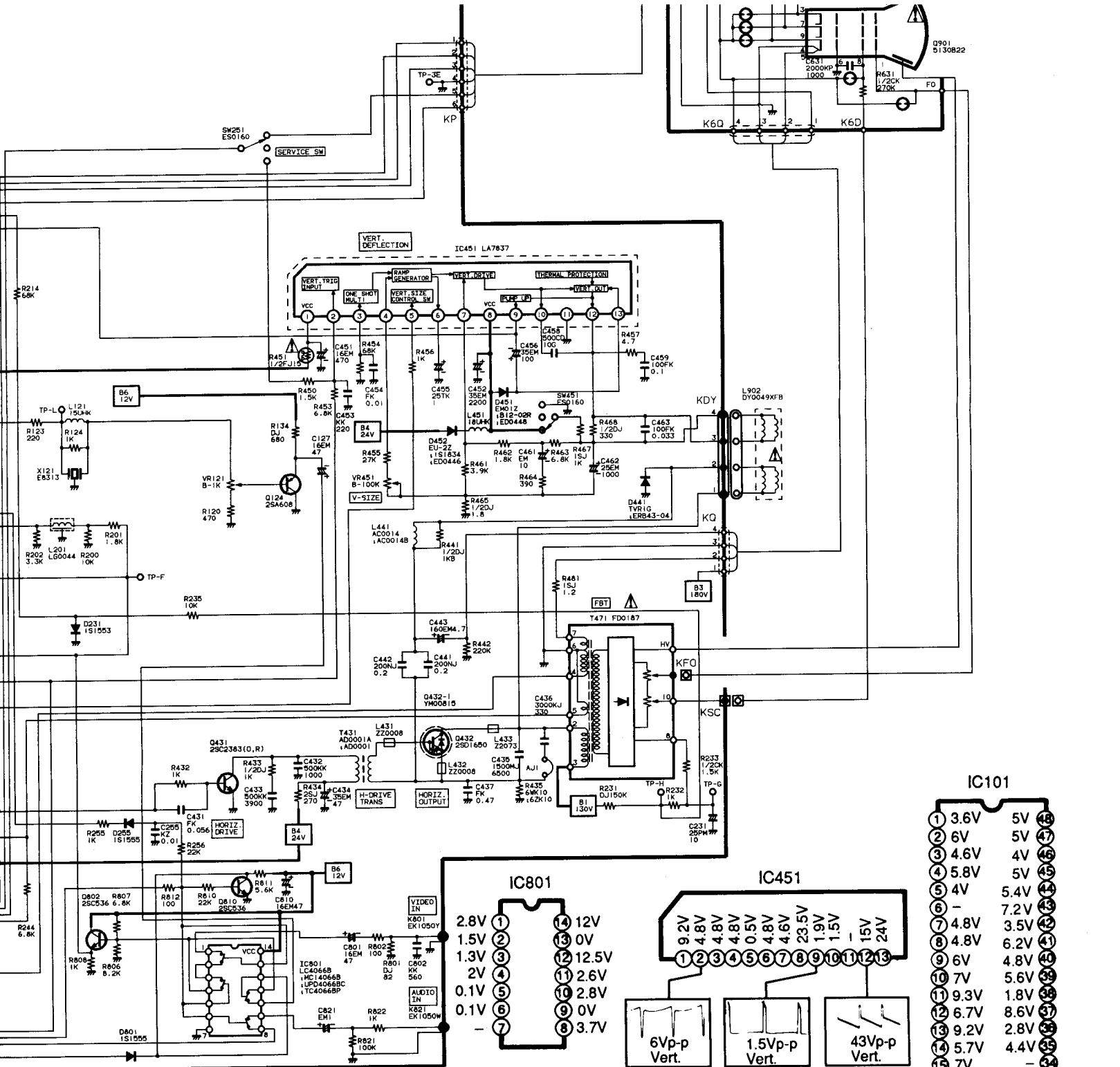
Allowable error (±5%): J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z

Kind (Metalized carbon): D, Carbon
 F, N, Metalized carbon
 S, Oxide metalized
 W, Wire winding

11. DIODE IS1555 MAY BE REPLACED WITH IS2473, IS2076 OR DS442 UNLESS OTHERWISE NOTED.

TRANSISTOR 2SC536 (E, F, G) MAY BE REPLACED WITH 2SC1740S (Q, R, S), 2SC1740 (Q, R, S), 2SC945A (Q, R, P) OR 2SC1815 (G, O, Y) UNLESS OTHERWISE NOTED.

TRANSISTOR 2SA608 (E, F) MAY BE REPLACED WITH 2SA933 (Q, I), 2SA564 (Q, A, R) OR 2SA1015 (O, Y) UNLESS OTHERWISE NOTED.



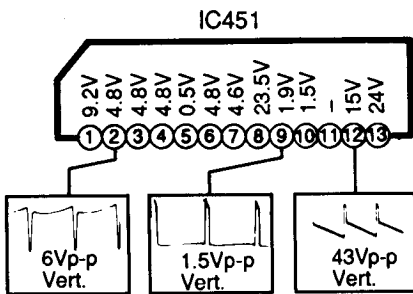
D901
5130822

IC101

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

IC801

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



Q802

VOLT.	
B	6.6V
C	12V
E	6V

Q810

VOLT.	
B	0.06V
C	12.5V
E	0V

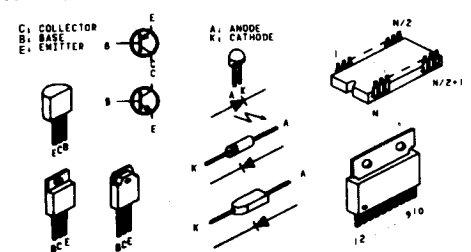
Q431

VOLT	WAVEFORM
B	0.06V 2.1VP-P HORIZ.
C	19V 40VP-P HORIZ.
E	0V

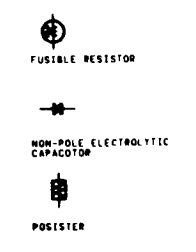
Q432

VOLT	WAVEFORM
B	2.3V 1.4VP-P HORIZ.
C	80V 1000VP-P HORIZ.
E	2.4V 1.2VP-P HORIZ.

TRANSISTOR, DIODE & INTEGRATED CIRCUIT TERMINAL GUIDE



PARTICULAR PARTS SYMBOL



WITH IS2473, IS2076 OR DS442 UNLESS
 Y BE REPLACED WITH 25C1740S (O, R, S),
) OR 25C1815 (G, O, Y) UNLESS OTHERWISE
 BE REPLACED WITH 25A933 (O, R), 25A564
 S OTHERWISE NOTED.