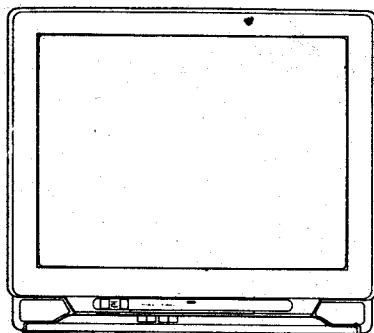
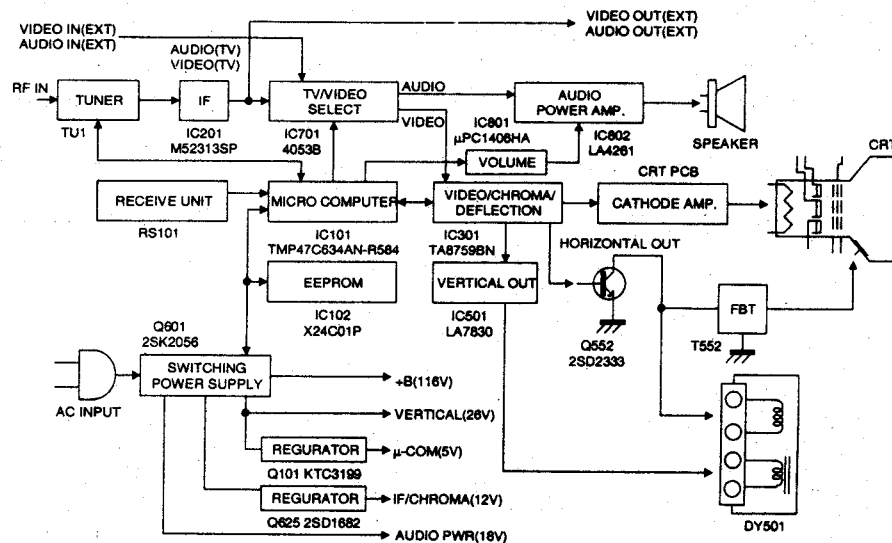




21" COLOR TELEVISION TV-2100A MK8 TV-2100T MK8



BLOCK DIAGRAM



VOLTAGE CHART

(Unit: Volt)

Pin No.	IC101	IC102	IC201	IC501	IC801	IC701	IC301
1	2.6	0.0	2.1	0.0	55.4	1.0	11.2
2	3.4	0.0	7.2	13.6	56.8	0.7	0.0
3	2.4	0.0	4.9	26.9	0.0	1.0	3.1
4	1.8	0.0	2.8	0.7	0.6	1.0	2.9
5	2.2	5.1	1.5	0.8		0.7	0.0
6	0.0	4.1	1.5	0.0		0.0	2.8
7	0.0	0.0	0.0	26.4		0.0	3.0
8	0.0	5.1	1.9			0.0	2.9
9	3.7		3.2			11.9	
10	1.7		2.3			11.9	NC
11	1.7		3.2			11.9	
12	1.7		2.8			2.4	
13	0.0		5.2			2.5	
14	0.0		4.4			2.5	
15	0.0		4.4				
16	4.3		5.2			12.0	
17	0.0		2.7				
18	5.0		12.0				
19	6.4		2.7				
20	0.0		2.5				
21	0.0						
22	0.0						
23	0.0						
24	0.0						
25	0.0						
26	3.9						
27	4.8						
28	2.9						
29	3.0						
30	0.0						
31	2.0						
32	2.3						
33	4.9						
34	0.0						
35	4.6						
36	4.4						

Pin No.	IC301	Pin No.	IC301
1	6.5	33	6.9
2	8.0	34	3.2
3	8.5	35	1.0
4	6.5	36	7.9
5	6.5	37	6.1
6	12.0	38	7.2
7	3.0	39	7.2
8	6.5	40	2.2
9	6.5	41	9.2
10	NC	42	3.5
11	5.9	43	3.5
12	5.2	44	5.0
13	5.2	45	5.0
14	7.8	46	5.0
15	6.0	47	7.3
16	10.6	48	3.1
17	3.4	49	7.2

Pin No.	IC802	IC801	IC802	IC803	IC804	Pin No.	E	C	B
1	0.6	1.1	2.0	5.0	0.0	Q1	0.0	0.7	0.6
2	0.0	3.2	2.1	0.0	5.1	Q2	11.9	0.6	11.5
3	~	3.2	0.5	11.9	5.1	Q3	11.9	0.0	11.8
4	0.0	5.0	0.0			Q4	11.9	11.8	11.1
5	0.0	5.0	2.3			Q101	5.1	9.8	5.7
6	~	0	2.8			Q102	5.7	5.7	5.0
7	8.4	0.0	5.0			Q103	0.0	8.1	0.0
8	0.0	NC	0.3			Q104	29.0	9.8	28.7
9	16.8	5.0	0.0			Q105	0.0	28.5	0.0
10	8.4	0.0	1.7			Q106	5.1	-2.1	5.3
11		0.0	0.0			Q121	0.0	4.8	0.0
12		4.6	0.0			Q122	0.0	3.9	0.0
13		5.0	0.0			Q123	0.0	4.4	0.0
14		0.0	0.0			Q125	0.0	0.7	0.0
15		0.3	2.4			Q126	4.1	4.1	3.5
16		NC	5.0			Q127	0.0	0.0	0.6
17		4.1	0.3			Q201	0.8	7.4	1.2
18		5.1	0.0			Q223	12.0	5.9	11.9
19		0.2	4.6			Q224	0.0	12.0	0.0
20		0.2	NC			Q281	0.0	4.3	0.0
22		0.2				Q301	0.0	12.0	0.0
23		0.2				Q381	0.0	0.0	0.7
24		0.0				Q382	0.0	6.0	0.0
25		2.4				Q383	5.1	0.0	4.5
26		2.3				Q394	5.1	0.0	6.0
27		2.4				Q395	0	6.1	0
28		2.4				Q396	0	5.2	0

Pin No.	E	C	B
Q397	0.0	0.0	0.0
Q551	0.0	78.0	0.3
Q552	0.0	-	-0.1
Q553	0.0	0.3	0.0
Q801	0.9(G)	267(D)	0.1(S)

21	0.0
22	0.0
23	0.0
24	0.0
25	0.0
26	3.9
27	4.8
28	2.9
29	3.0
30	0.0
31	2.0
32	2.3
33	4.9
34	0.0
35	4.6
36	4.4
37	0.0
38	0.0
39	5.1
40	5.1
41	4.6
42	5.1

2	8.0	34	3.2
3	8.5	35	1.0
4	6.5	36	7.9
5	6.5	37	6.1
6	12.0	38	7.2
7	3.0	39	2.2
8	6.5	40	9.2
9	6.5	41	3.5
10	NC	42	3.5
11	5.9	43	3.5
12	5.2	44	5.0
13	5.2	45	5.0
14	7.8	46	5.0
15	6.0	47	7.3
16	10.6	48	3.1
17	3.4	49	7.2
18	4.4	50	0.0
19	0.0	51	7.4
20	5.9	52	0.0
21	0.0	53	0.0
22	11.3	54	0.0
23	5.3	55	6.0
24	5.8	56	3.2
25	4.9	57	5.8
26	3.2	58	4.8
27	11.0	59	3.3
28	3.3	60	6.0
29	0.7	61	12.0
30	8.7	62	6.0
31	6.2	63	12.0
32	6.1	64	8.0

20	0.2	NC	Q397	0.0	4.3	0.0
22	0.2		Q391	0.0	12.0	0.0
23	0.2		Q391	0.0	0.0	0.7
24	0.0		Q392	0.0	6.0	0.0
25	2.4		Q393	5.1	0.0	4.5
26	2.3		Q394	5.1	0.0	6.0
27	2.4		Q395	0	6.1	0
28	2.4		Q396	0	5.2	0

Pin No.	E	C	B
Q397	0.0	0.0	0.0
Q551	0.0	78.0	0.3
Q552	0.0	-	-0.1
Q553	0.0	0.3	0.0
Q601	0.9(G)	267(D)	0.1(S)
Q602	0.0	0.6	-0.1
Q603	0.0	0.6	-6.5
Q604	0.6	0.0	0.8
Q621	6.7	56.2	7.3
Q622	4.2	120.0	0.0
Q623	0.0	0.0	0.6
Q624	0.0	0.1	0.6
Q625	12.0	12.4	12.7
Q702	2.4	12.0	3.0
Q703	1.9	12.0	2.5
Q705	0.0	11.9	0.0
Q721	3.1	0.0	2.5
Q802	0.0	1.0	0.6
Q804	0.0	16.7	0.0
Q952	0.0	0.5	0.0
Q981	2.9	5.1	3.2
Q451	3.3	140.7	3.8
Q452	3.4	153.7	3.8
Q453	3.3	146.6	3.8

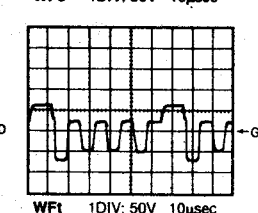
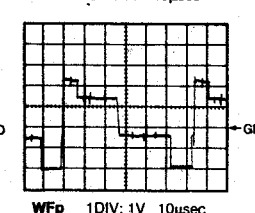
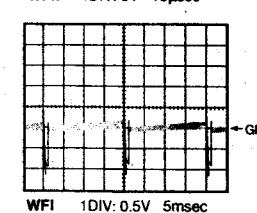
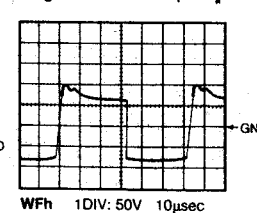
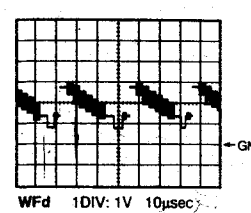
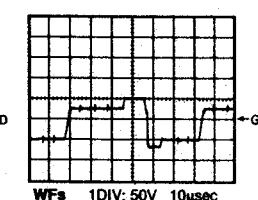
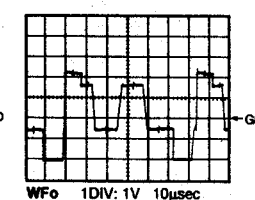
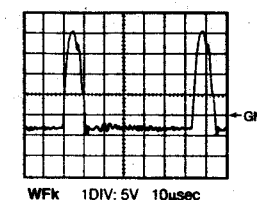
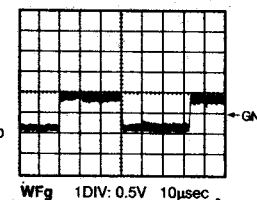
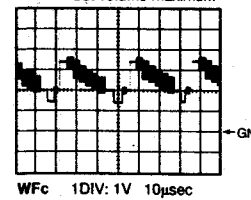
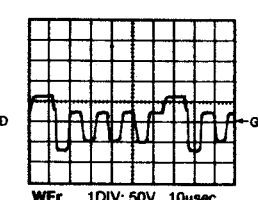
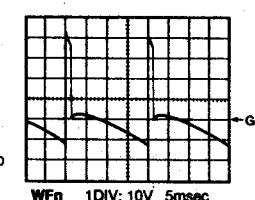
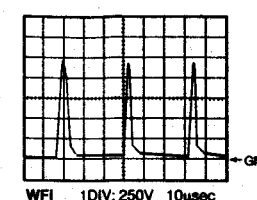
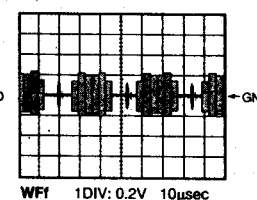
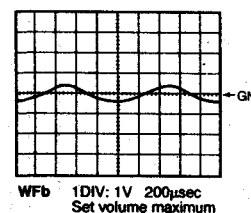
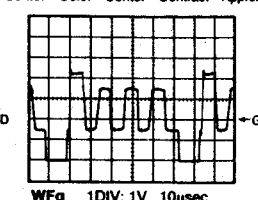
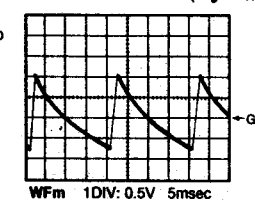
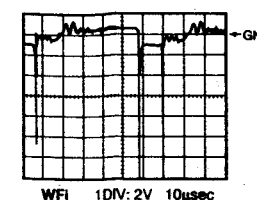
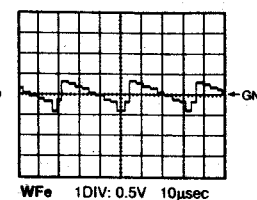
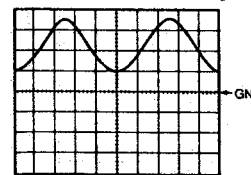
Input: PAL Color Bar Signal (with 1KHz Audio Signal)

Receiving Ch.: E2 ch (48.25MHz)

Preset Mode: Press Picture Select button on the remote control unit, then press the number "1" button.

Brightness—Center
Color—Center
Contrast—Approx 70%

WFa - WFi = Waveforms to be observed at
Waveform check points.
(Shown in Schematic Diagram.)

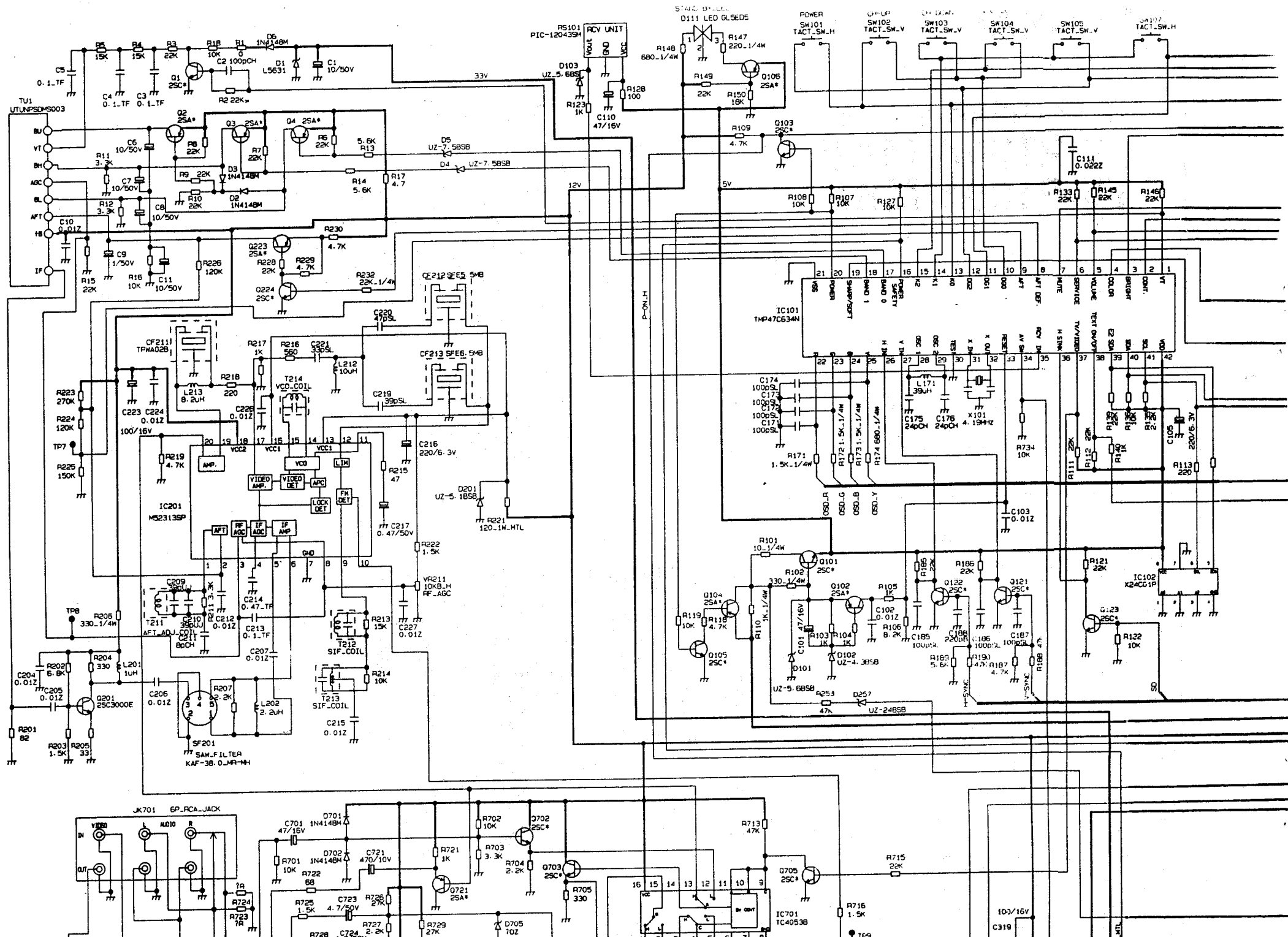


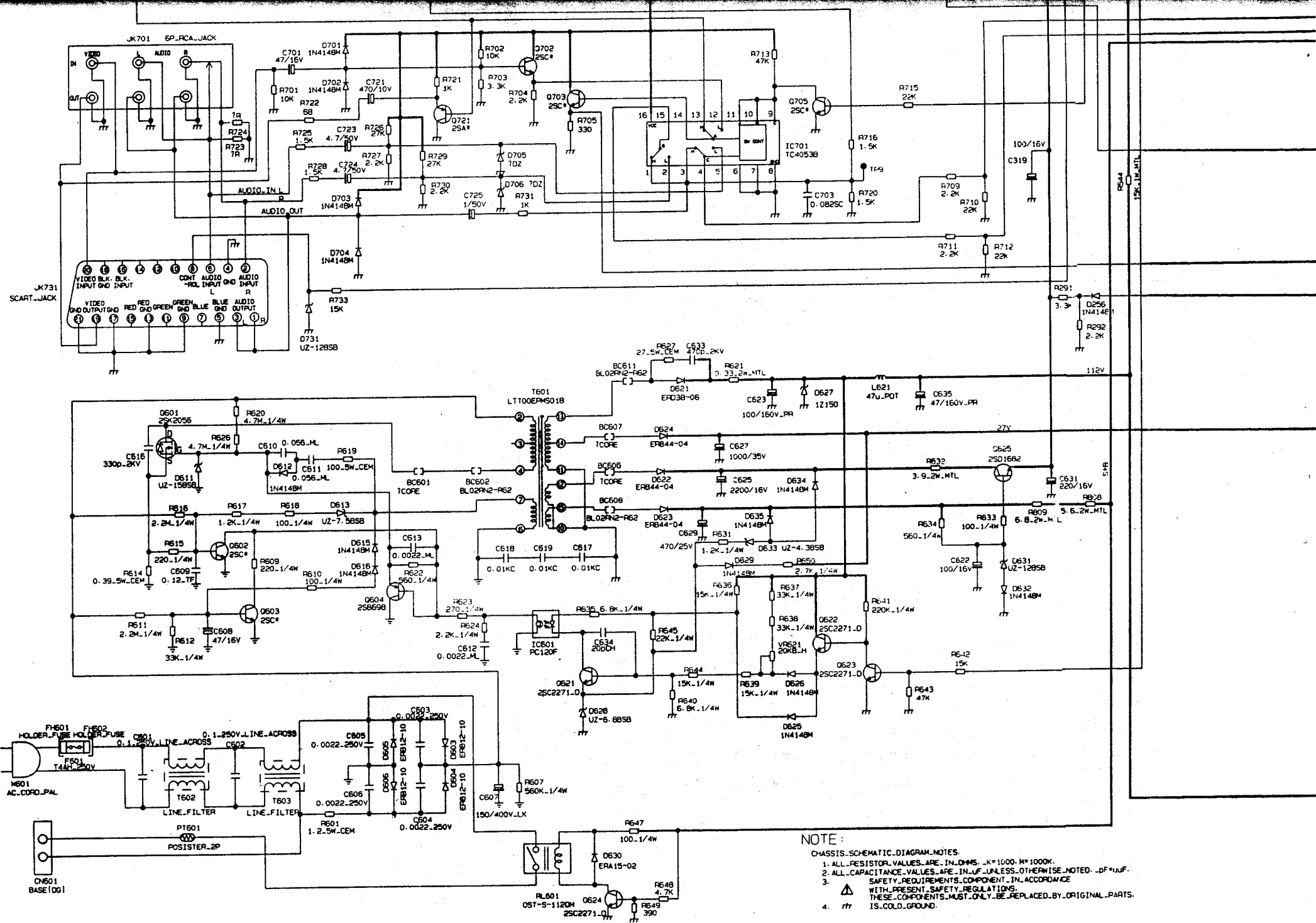
Input: PAL Color Bar Signal (with 1KHz Audio Signal)

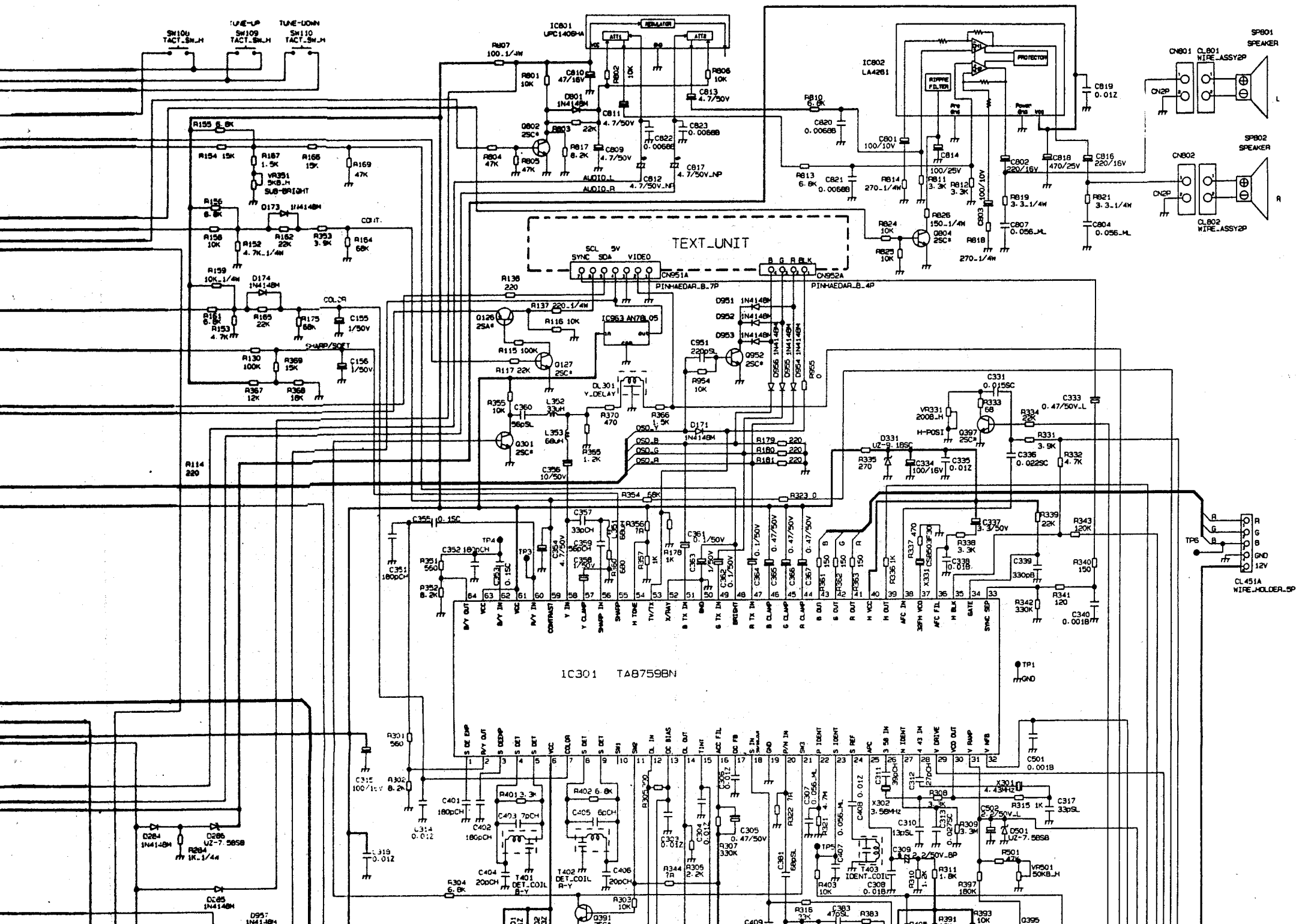
Receiving Ch.: E2 ch (48.25MHz)

Preset Mode: Press Picture Select button on the remote control unit, then press the number "1" button.

(Brightness—Center Color—Center Contrast—Approx 70%)









1. ALL RESISTOR VALUES ARE IN OHMS. K=1000, M=1000K.

2. ALL RESISTOR VALUES ARE IN OHMS UNLESS OTHERWISE NOTED.
3. ALL CAPACITANCE VALUES ARE IN UF UNLESS OTHERWISE NOTED.
4. SAFETY REQUIREMENTS COMPONENT IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.
5. IS COLD GROUND.

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24

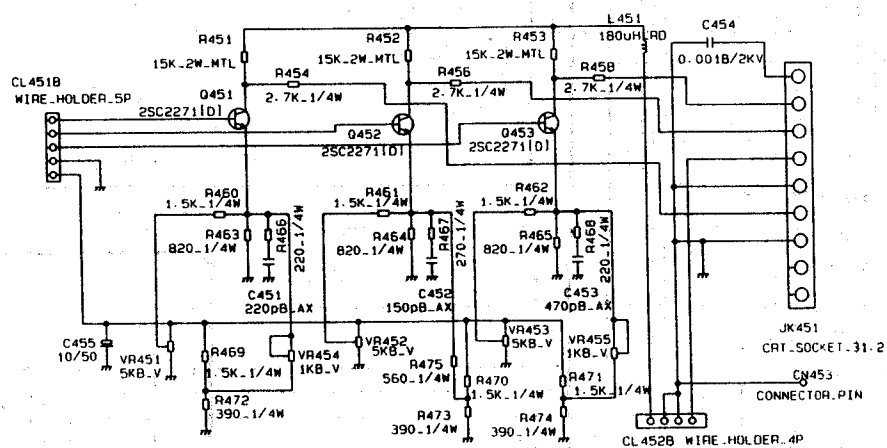
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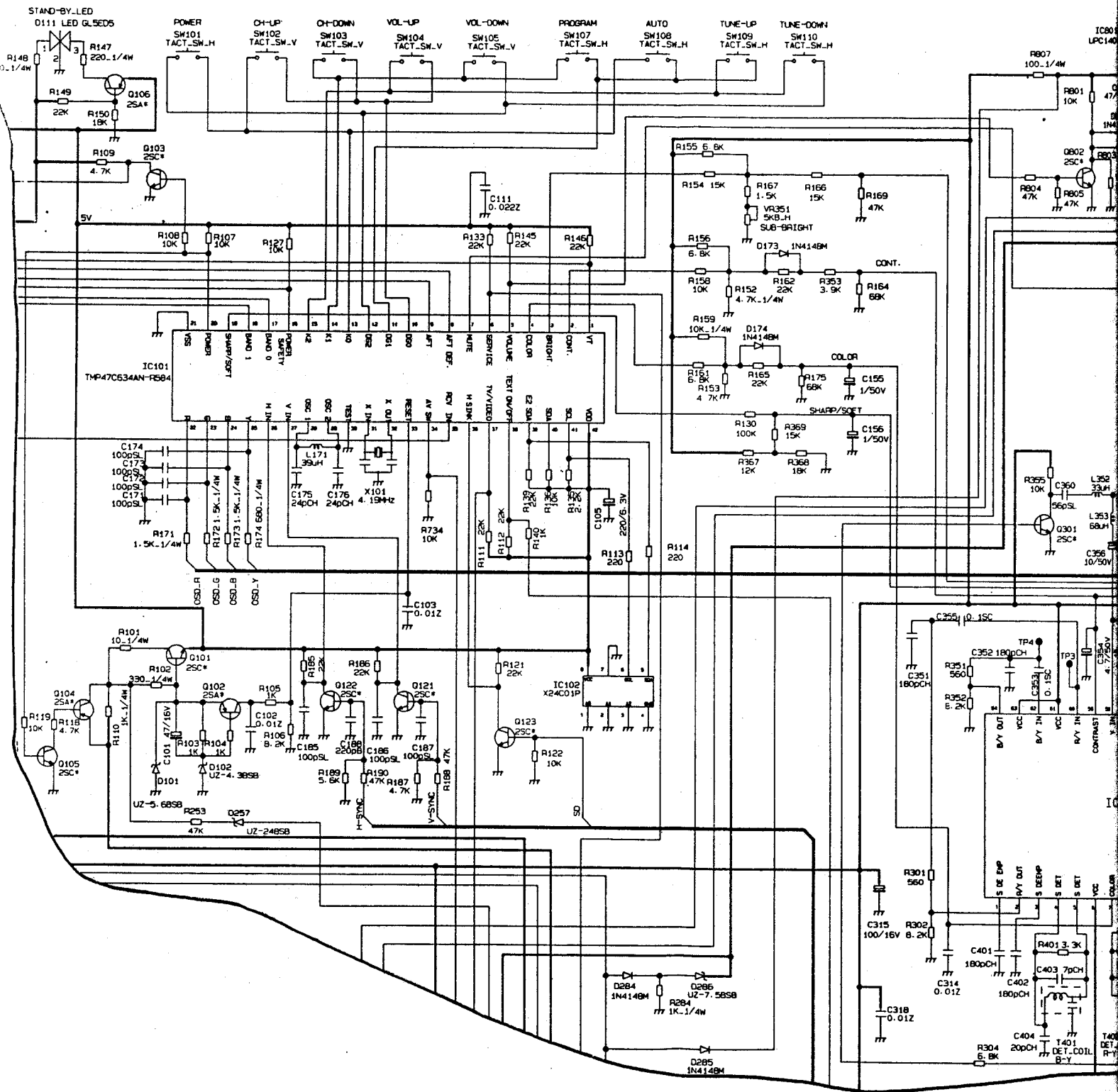
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24

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TV-2100A MK8