

13 Schematic Diagrams

13-1 Power Part Schematic Diagram

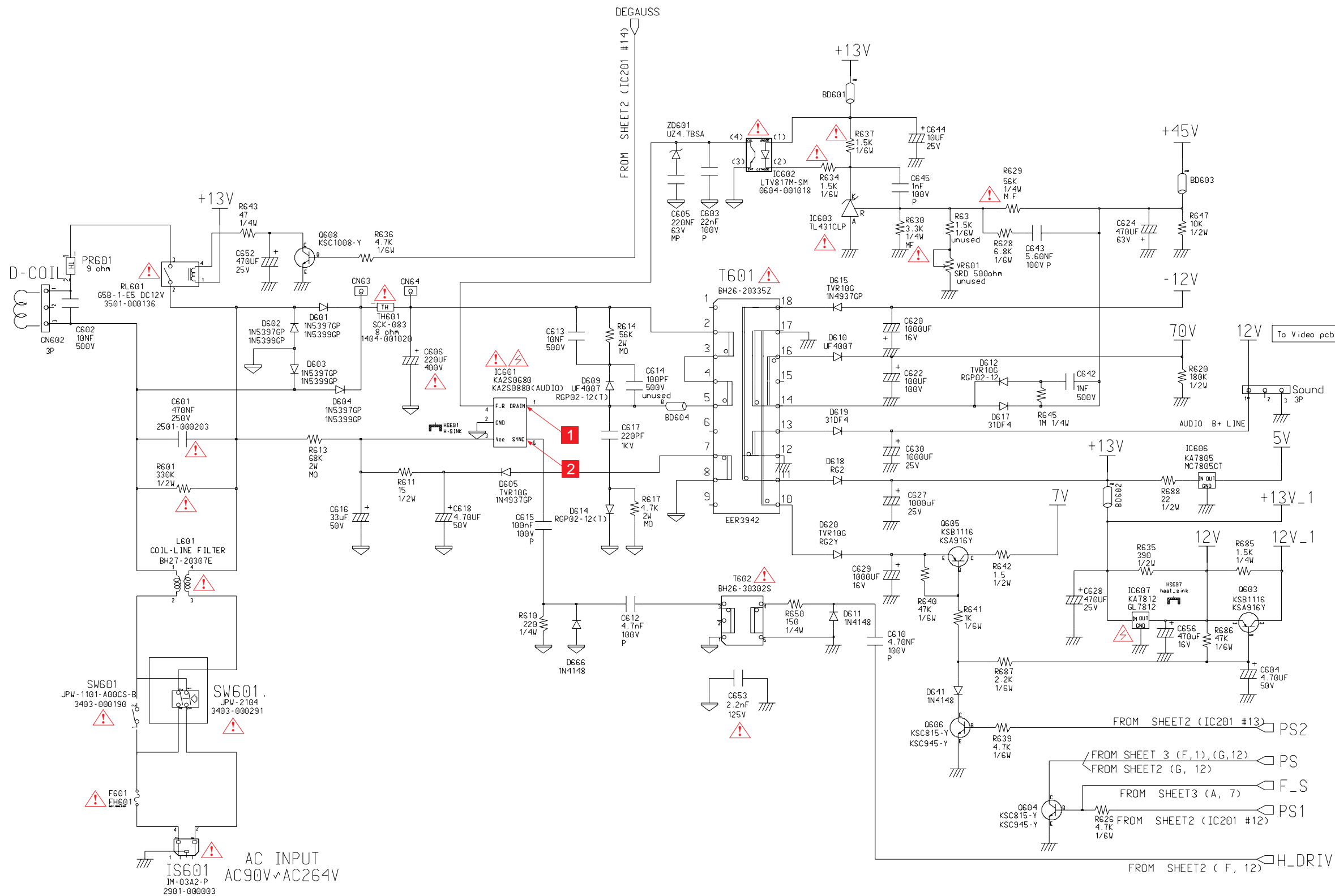


Table 13-1. IC601 (KA0680)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	194.6	186
2	GND	GND
3	19.8	18
4	3.8	2.3
5	6.2	5

Unit: Vrms

Table 13-2. IC602 (TV817M)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	15	14.6
2	13.8	13.6
3	GND	GND
4	2	2.5

Unit: Vrms

Table 13-3. IC603 (TL431CLP)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	2.5	2.5
2	GND	GND
3	12.5	12.6

Unit: Vrms

Table 13-4. IC606 (MC7805)

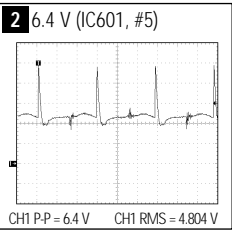
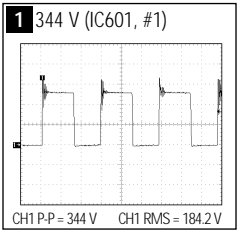
pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	14.4	14.4
2	0	0
3	5	5

Unit: Vrms

Table 13-5. IC607 (GL7812)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	15	15
2	0	0
3	12	12

Unit: Vrms



13-2 Micro Processor & Vertical Deflection Part Schematic Diagram

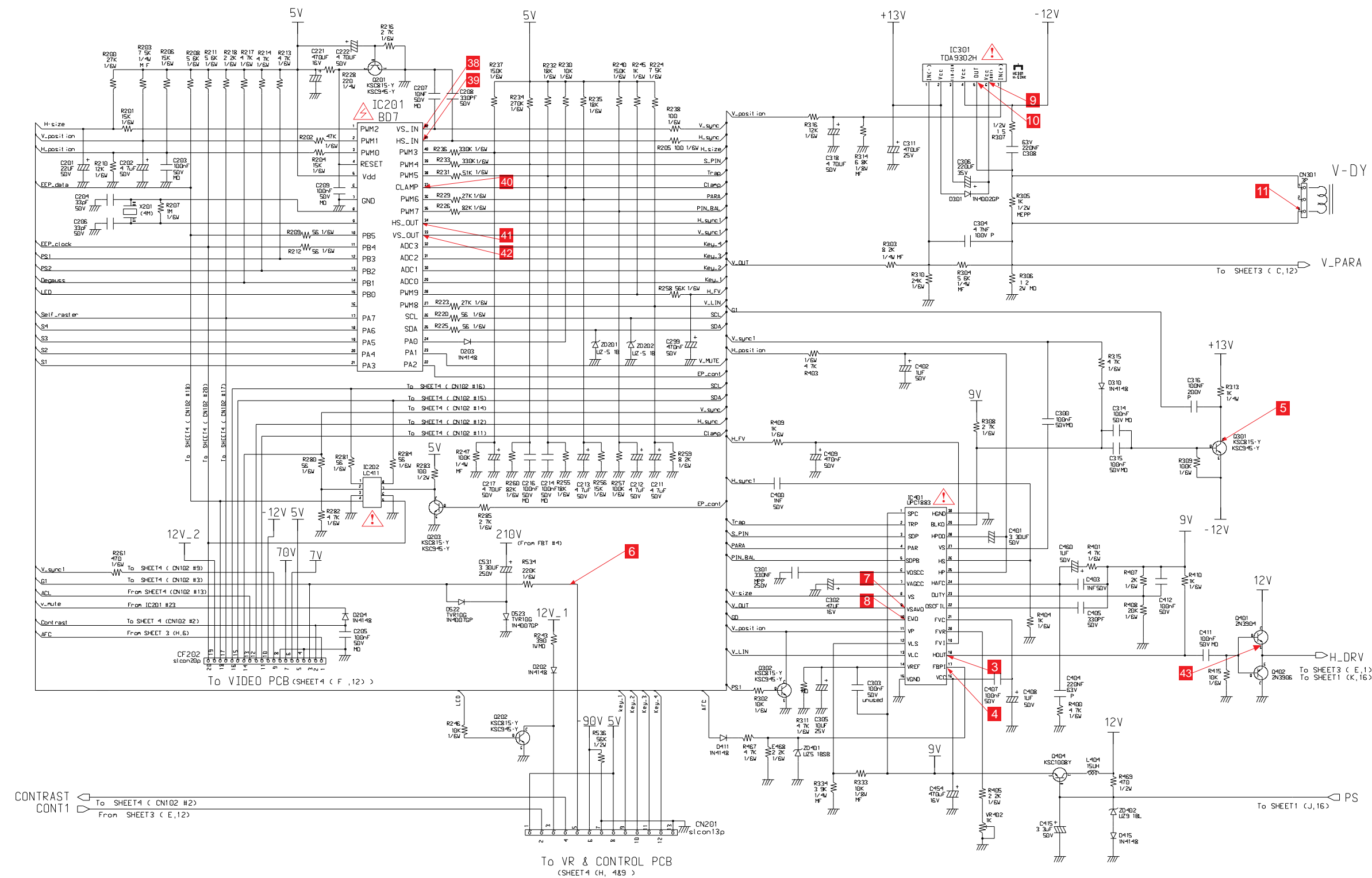


Table 13-6. IC201 (BD7)

pin #	MODES		pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz		1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	3.4	3.7	22	0	0
2	3.6	3.5	23	4.9	5.1
3	3.3	3.4	24	5	5.1
4	5	5	25	1.6	1.4
5	5	5	26	3.5	3.5
6	—	—	27	1.8	1.5
7	GND	GND	28	3.5	2.7
8	2.9	3	29	4.9	4.9
9	2.8	2.8	30	4.9	4.9
10	5	5	31	4.9	4.9
11	5	5	32	4.9	4.9
12	0	0	33	0.2	0.3
13	2.8	2.8	34	1.4	1.7
14	0	0	35	3.7	3.9
15	0	0	36	3.9	3.8
16	—	—	37	3.3	4.9
17	0.2	0.2	38	3.4	3.5
18	0.1	5.2	39	3.4	4
19	0.1	5.2	40	2.8	2.43
20	0.1	5.2	41	1.4	4.7
21	0.1	5.2	42	0.2	4.9

Unit: Vrms

Table 13-7. IC202 (24LC41)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	3.5	3.4
2	0.2	4.6
3	GND	GND
4	5	4.7
5	5	4.7
6	GND	GND
7	5	4.7
8	2.1	2.1

Unit: Vrms

Table 13-8. IC301 (TDA9302)

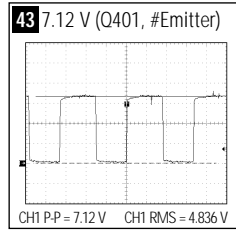
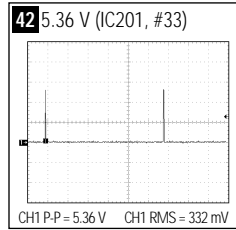
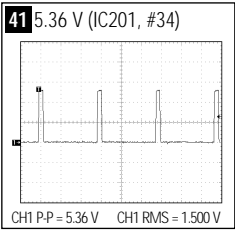
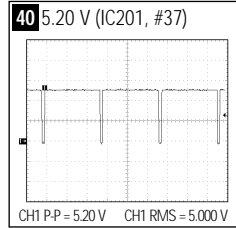
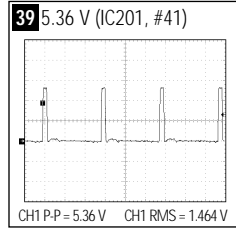
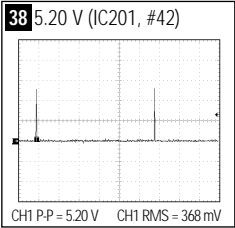
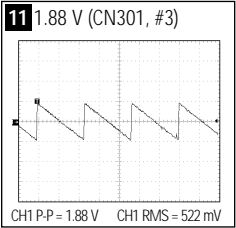
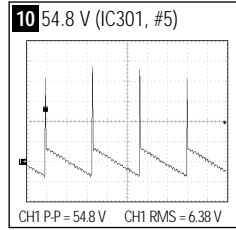
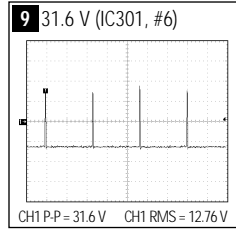
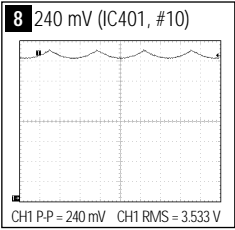
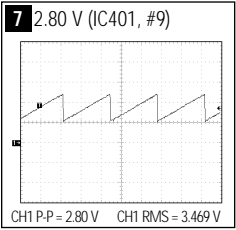
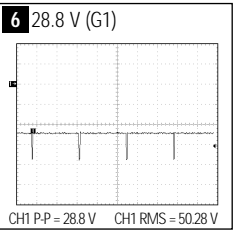
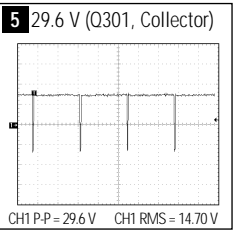
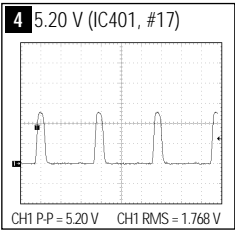
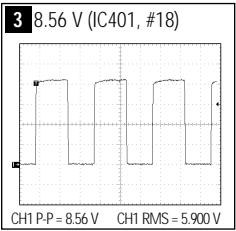
pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	1.24	1.2
2	14.9	14.7
3	12.5	12.5
4	−12.7	−12.6
5	4.9	6.5
6	14.5	14.8
7	1.2	1.1

Unit: Vrms

Table 13-9. IC401 (UPC1883)

pin #	MODES		pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz		1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	9.1	9.1	16	9.1	9.1
2	2.5	2.5	17	2.2	1.6
3	1.3	1.5	18	6.1	6.2
4	2.5	2.4	19	2.7	1.2
5	2.4	2.4	20	2.5	1.2
6	4.2	4.2	21	2.5	1.5
7	3.1	2.9	22	8.3	0.4
8	1.9	1.9	23	8.3	8.3
9	3.6	3.6	24	3.3	3.3
10	3.5	3.5	25	2.1	2.2
11	3.5	3.4	26	0.6	0.6
12	2.6	2.5	27	3.6	3.6
13	2.4	2.4	28	2.4	2.4
14	5	4.9	29	4.3	4.3
15	GND	GND	30	GND	GND

Unit: Vrms



13-3 Horizontal Deflection & High Voltage Part Schematic Diagram

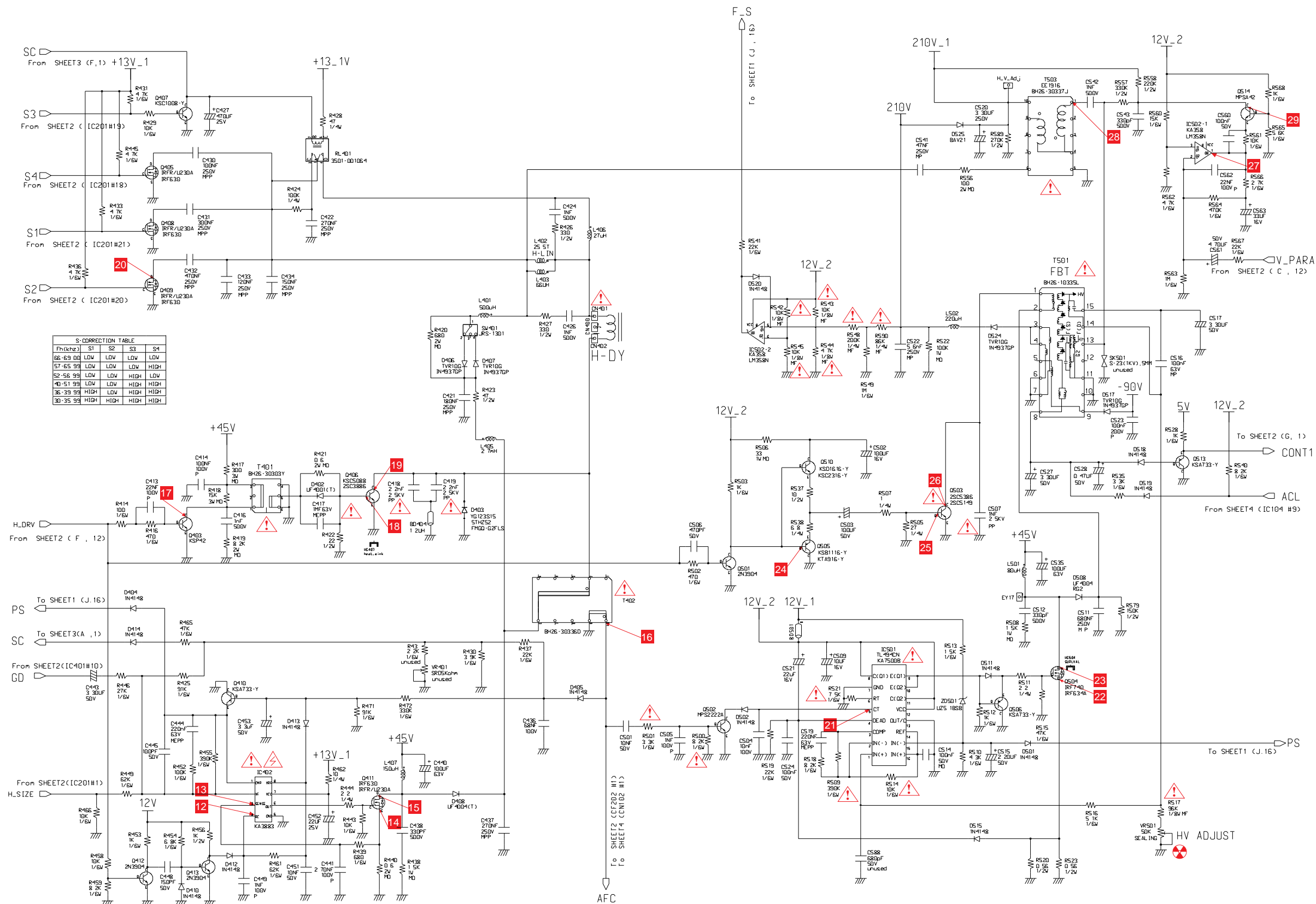


Table 13-10. IC402 (KA3883)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	3.2	1.8
2	2.5	2.5
3	0.2	0
4	1.4	1.8
5	GND	GND
6	9.1	4
7	14.8	14.7
8	5	5

Unit: Vrms

Table 13-11. IC501 (KA7500)

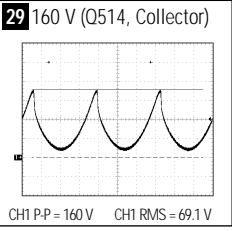
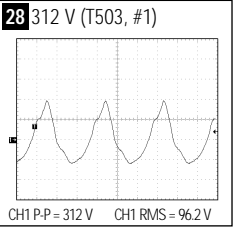
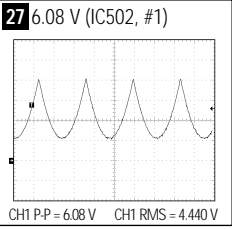
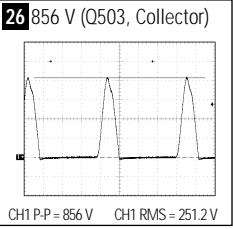
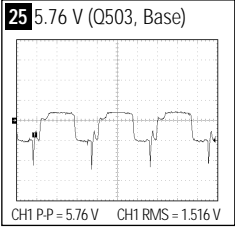
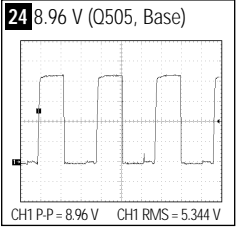
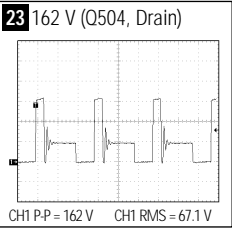
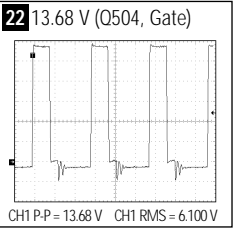
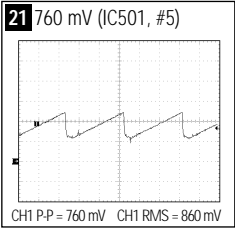
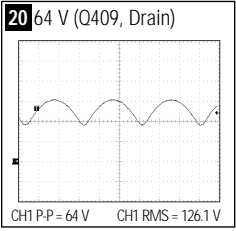
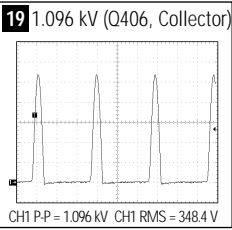
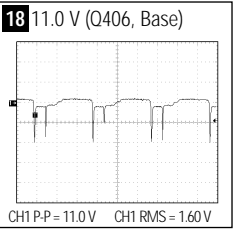
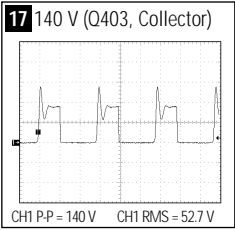
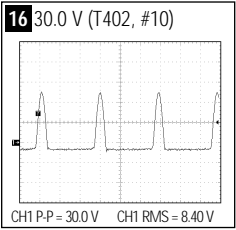
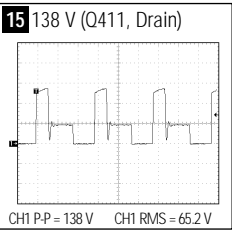
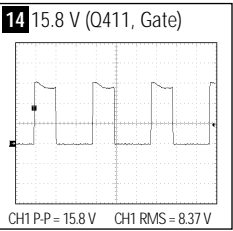
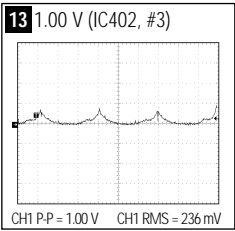
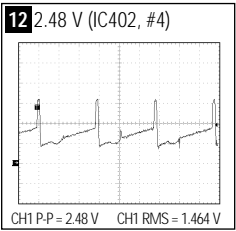
pin #	MODES		pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz		1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	4.8	4.8	9	6.5	4.1
2	4.8	4.8	10	6.5	4.1
3	1.7	2.4	11	12	12.1
4	0.2	0.1	12	12	12.1
5	0.9	1.3	13	0	0
6	3.5	3.4	14	4.9	4.9
7	GND	GND	15	5.5	5.6
8	12	12.1	16	4.9	4.9

Unit: Vrms

Table 13-12. IC502 (LM358N)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	3.9	5.4
2	2.9	2.8
3	2.9	2.8
4	GND	GND
5	5.6	5.7
6	5.9	5.9
7	0	0
8	12	11.7

Unit: Vrms



13-4 Video & Control Part Schematic Diagram

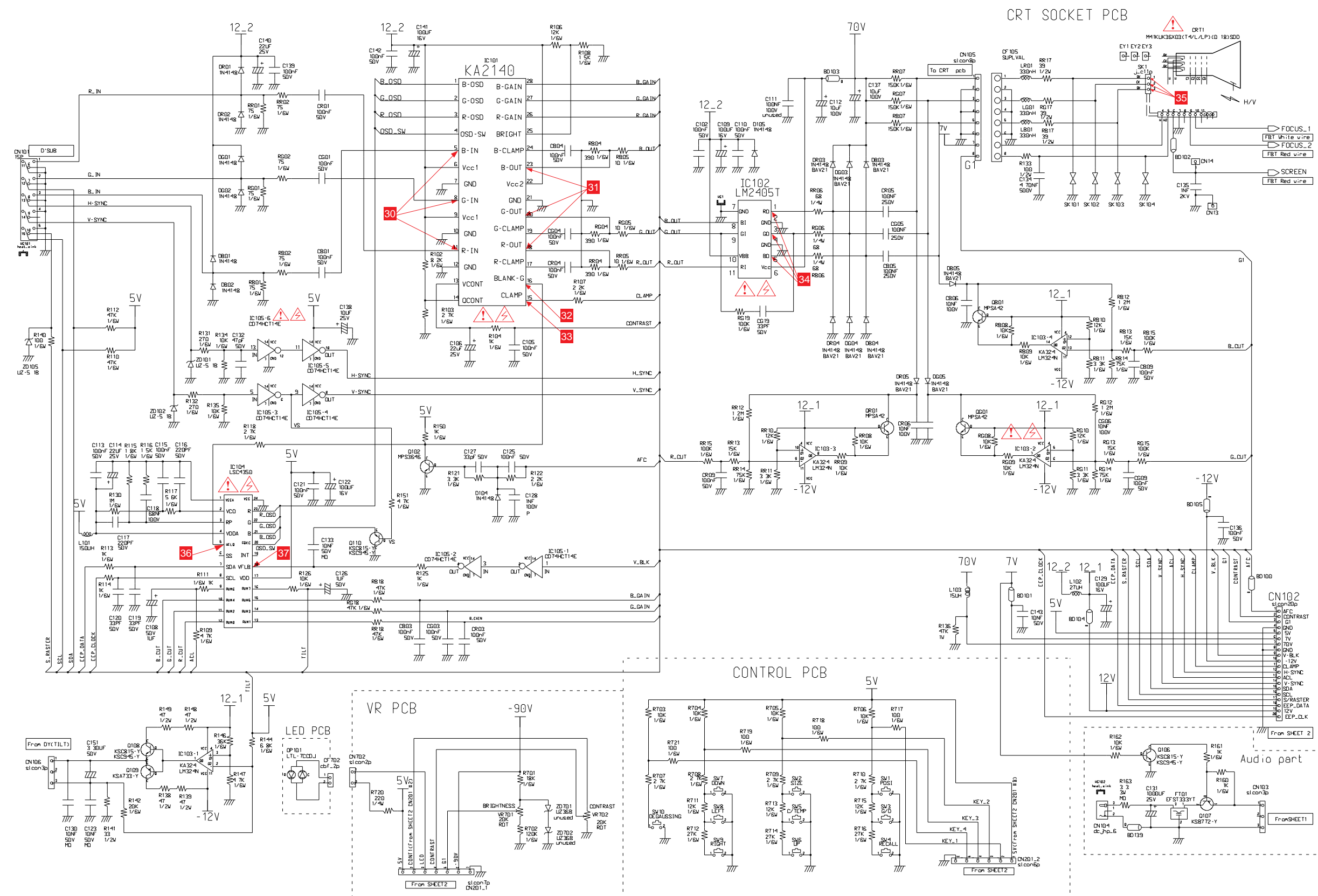


Table 13-13. IC101 (KA2140)

pin #	MODES		pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz		1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	1.4	1.4	15	4.8	4.9
2	1.4	1.4	16	4.4	4.7
3	1.4	1.4	17	5.2	5.2
4	0.1	0.8	18	3	3.2
5	2.5	2.5	19	5.1	5.1
6	12	1.8	20	2.9	3.1
7	GND	GND	21	GND	GND
8	2.5	2.5	22	12	11.9
9	12	11.8	23	2.9	3
10	GND	GND	24	5.2	5.2
11	2.5	2.5	25	1.3	1.3
12	GND	GND	26	1.3	1.3
13	3	3.12	27	1.2	1.2
14	2.8	2.9	28	1.1	1.1

Unit: Vrms

Table 13-14. IC102 (LM2405T)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	45.6	40
2	GND	GND
3	46.2	41
4	GND	GND
5	46.6	41
6	73.1	73.1
7	GND	GND
8	2.9	3.1
9	2.9	3.1
10	12	12
11	3	3.2

Unit: Vrms

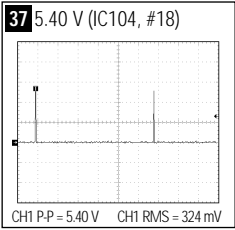
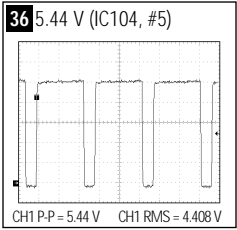
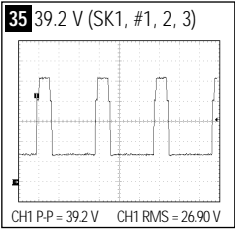
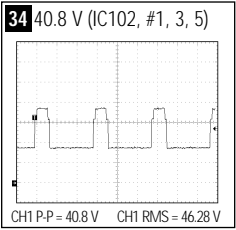
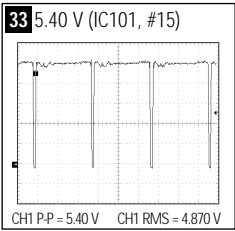
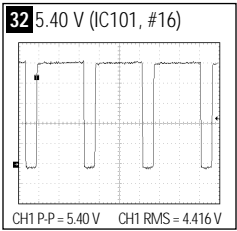
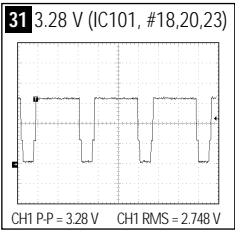
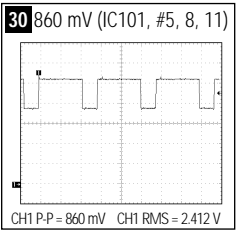


Table 13-15. IC103 (LM324N)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	1	1
2	2.4	2
3	2.4	2
4	12	12
5	2.6	2.6
6	2.6	2.6
7	7.3	7.4
8	7.7	7.8
9	2.5	2.5
10	2.5	2.5
11	-12.6	-12.6
12	2.2	2.5
13	2.5	2.5
14	7.3	7.3

Unit: Vrms

Table 13-16. IC104 (LSC4350)

pin #	MODES		pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz		1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	0.1	0	13	2.8	2.6
2	3.8	1.4	14	2.6	2.5
3	1.8	1.4	15	2.6	2.4
4	5	5	16	3.8	4
5	5	4.8	17	5	5
6	0	0	18	0.2	0.2
7	5	5	19	0	0
8	5	5	20	0.1	0.1
9	4.5	4.6	21	1.4	1.4
10	3.5	3.4	22	1.4	1.4
11	3.3	3.1	23	1.4	1.4
12	2.4	2.4	24	GND	GND

Unit: Vrms

Table 13-17. IC105 (74HCT14)

pin #	MODES	
	1024 x 768 / 85 Hz	640 x 480 / 60 Hz
1	0.3	0.3
2	5	5
3	5	5
4	0.2	2
5	0.2	4.7
6	5	0.3
7	gnd	gnd
8	0.2	4.9
9	5	0.3
10	1.4	4.7
11	4.8	1.7
12	4.8	1.7
13	1.3	4.4
14	5	5

Unit: Vrms

Memo