13-1 Power Part Schematic Diagram

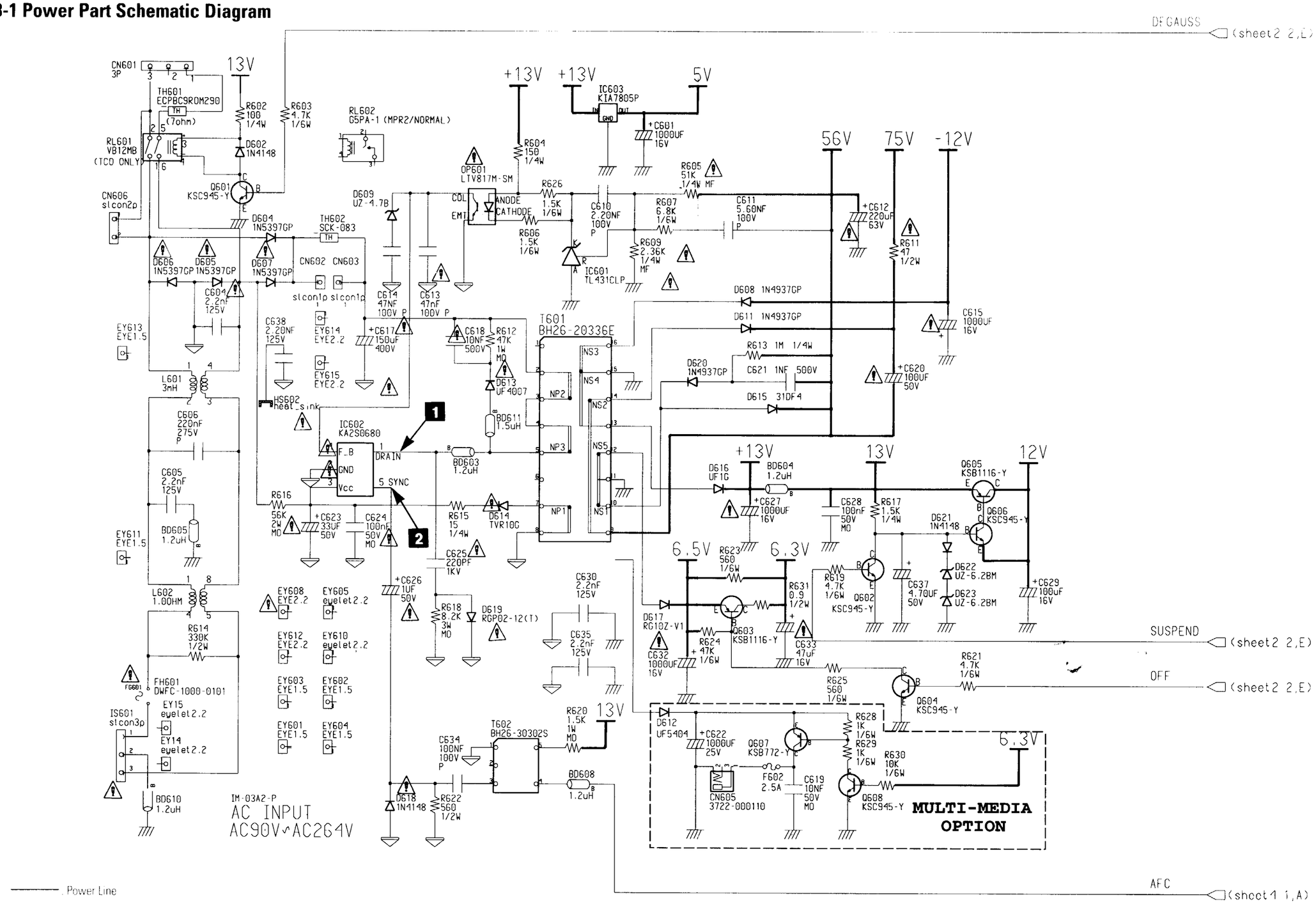


Table 13-1. IC601 (TL431CLP)

pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	2.54	2.54
2	GND	GND
3	10.08	10.32

Unit: Vrms

Table 13-2. IC602 (KA2S0680)

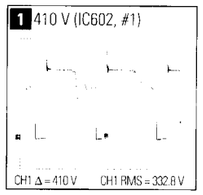
pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	325.2	321.6
2	GND	GND
3	20.66	20.38
4	1.55	1.876
5	5.156	5.12

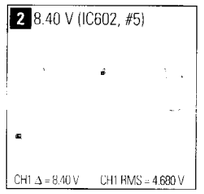
Unit: Vrms

Table 13-3. IC603 (KIA7805P)

pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	13.55	13.48
2	GND	GND
3	5.15	5.15

Unit: Vrms





13-2 Micom Part Schematic Diagram

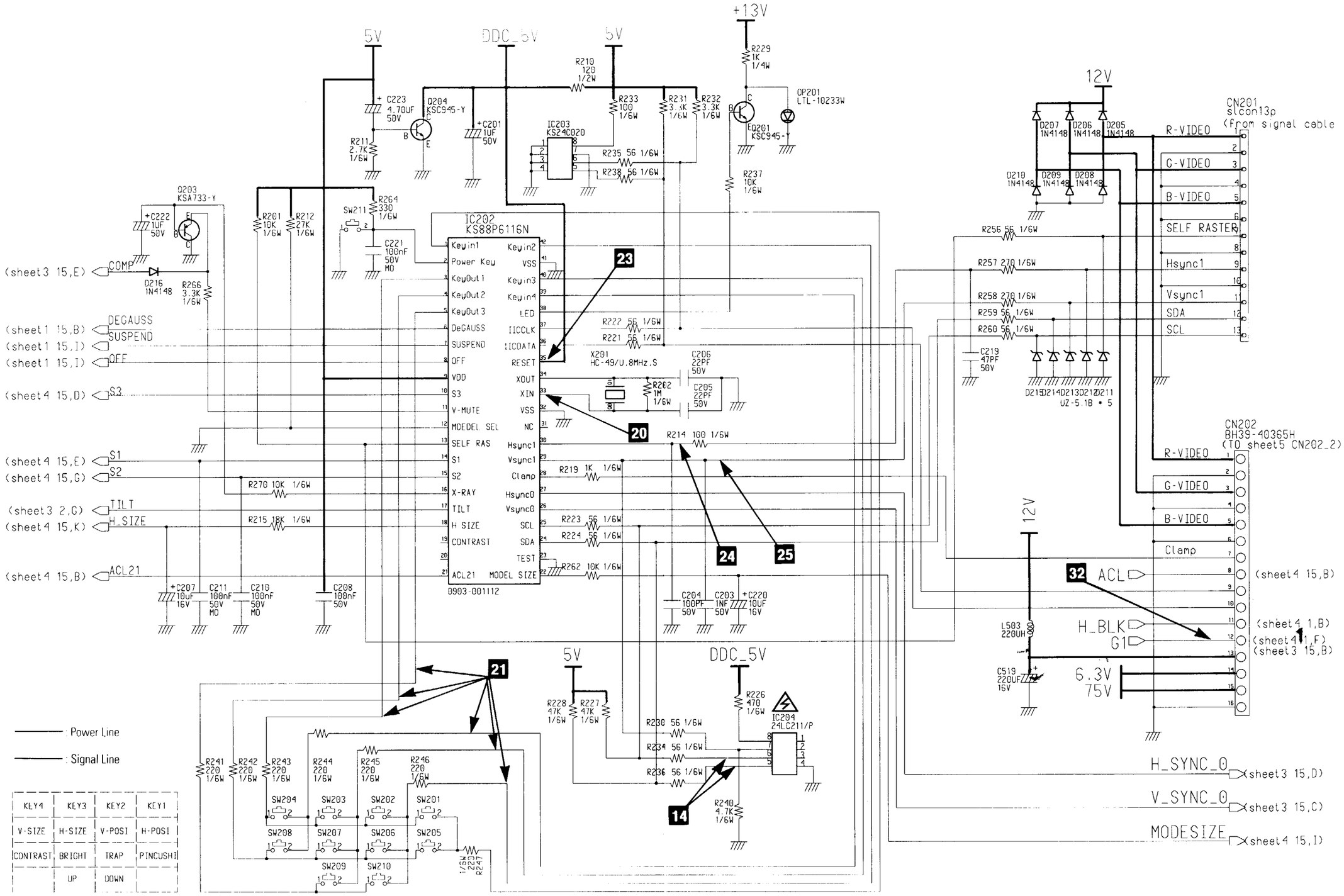


Table 13-4. IC202 (KS88P6116N)

pin #	MODES		pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz		800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	5.108	5.108	22	3.76	3.76
2	5.120	5.120	23	GND	GND
3	0	0	24	2.1	2.1
4	0	0	25	3.546	3.546
5	0	0	26	1.066	1.132
6	0	0	27	1.236	1.716
7	0	0	28	5.02	5.06
8	4.92	4.92	29	1.12	4.62
9	5.124	5.124	30	1.2	4.8
10	5.12	5.12	31	–	–
11	5.12	5.12	32	GND	GND
12	5.1	5.12	33	2.952	2.952
13	0	0	34	3.212	3.212
14	5.092	5.092	35	5.08	5.08
15	5.092	5.092	36	5.116	5.116
16	3.632	3.632	37	5.116	5.116
17	3.644	3.644	38	0	0
18	2.732	2.732	39	5.1	5.1
19	–	–	40	5.1	5.1
20			41	GND	GND
21	2.98	2.98	42	5.1	5.1

Unit: Vrms

Table 13-5. IC203 (KS24C020)

pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	GND	GND
2	GND	GND
3	GND	GND
4	GND	GND
5	4.16	4.16
6	3.92	3.92
7	GND	GND
8	5.12	5.12

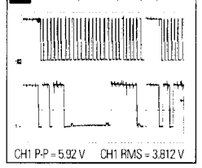
Unit: Vrms

Table 13-6. IC204 (24LC211/P)

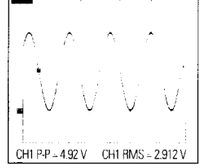
pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	–	–
2	–	–
3	–	–
4	GND	GND
5	2.52	2.516
6	3.56	3.556
7	1.16	4.8
8	5.28	5.28

Unit: Vrms

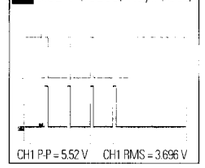
14 5.92 V (IC203, #5, 6)



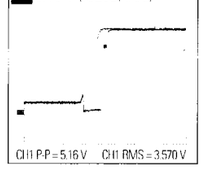
20 4.92 V (IC202, #33)



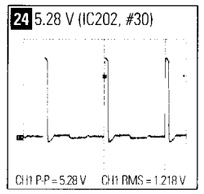
21 5.52 V (IC203, Keyin/out)



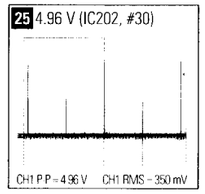
23 5.16 V (IC202, #35)



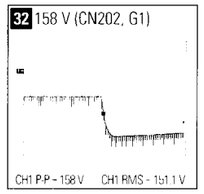
24 5.28 V (IC202, #30)



25 4.96 V (IC202, #30)



32 158 V (CN202, G1)



13-3 HOR./VER. Part Schematic Diagram

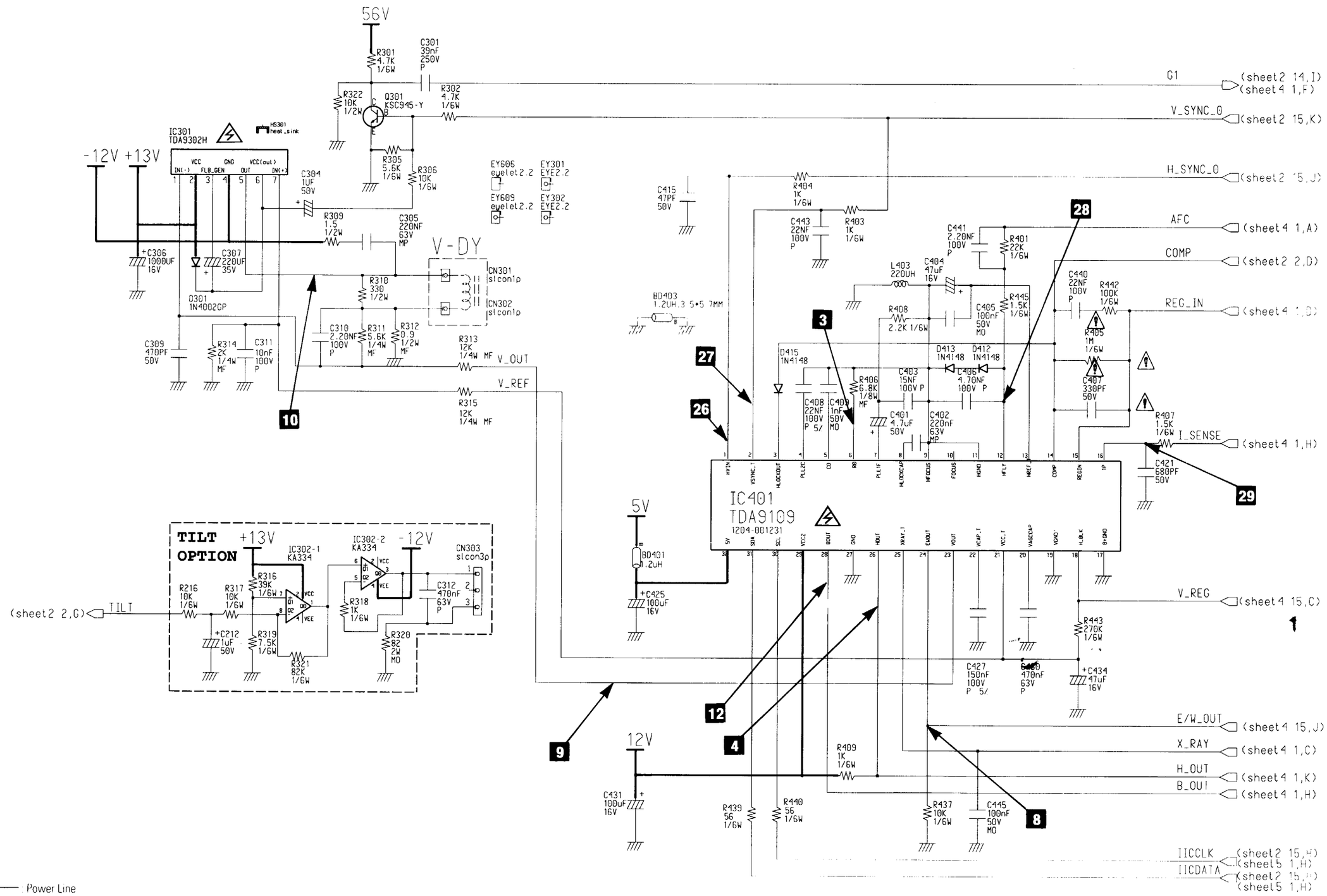


Table 13-7. IC301 (TDA9302H)

pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	1.21	1.21
2	13.52	13.45
3	11.25	11.21
4	10.97	10.97
5	18.04	18.6
6	13.2	13.2
7	1.52	1.52

Unit: Vrms

Table 13-8. IC302 (KA334)

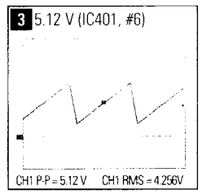
pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	100 mV	0
2	13.4	13.4
3	100 mV	0
4	10.8	10.8
5	100 mV	0
6	100 mV	0
7	2.2	2.2
8	2.2	2.2

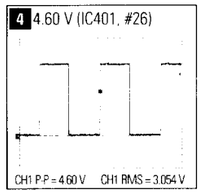
Unit: Vrms

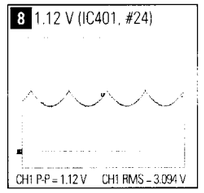
Table 13-9. IC401 (TDA9109)

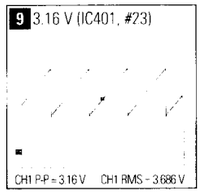
pin #	MODES		pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz		800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	1.23	1.71	17	GND	GND
2	0	0	18	6.89	6.89
3	5.15	5.15	19	GND	GND
4	2.5	3.04	20	5.22	5.43
5	4.31	4.31	21	8.12	8.12
6	4.58	2.78	22	3.05	3.05
7	4.59	2.78	23	3.58	3.58
8	3.25	3.41	24	3	2.9
9	GND	GND	25	2.03	2.77
10	–	–	26	2.98	3.25
11	0	0	27	GND	GND
12	410 mV	500 mV	28	7.19	4.7
13	8	8	29	12.22	12.22
14	3.59	2.9	30	4	3.85
15	4.74	4.8	31	4.15	4.15
16	0	160 mV	32	5.16	5.16

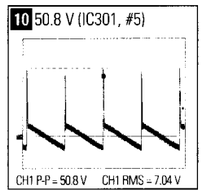
Unit: Vrms

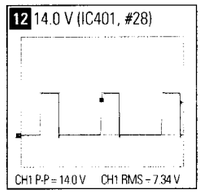


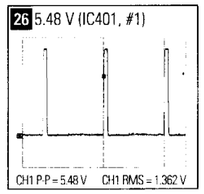


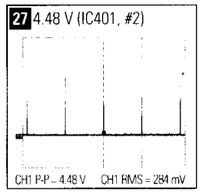


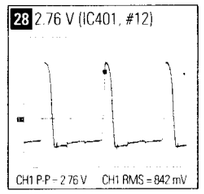


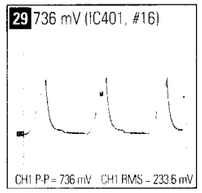




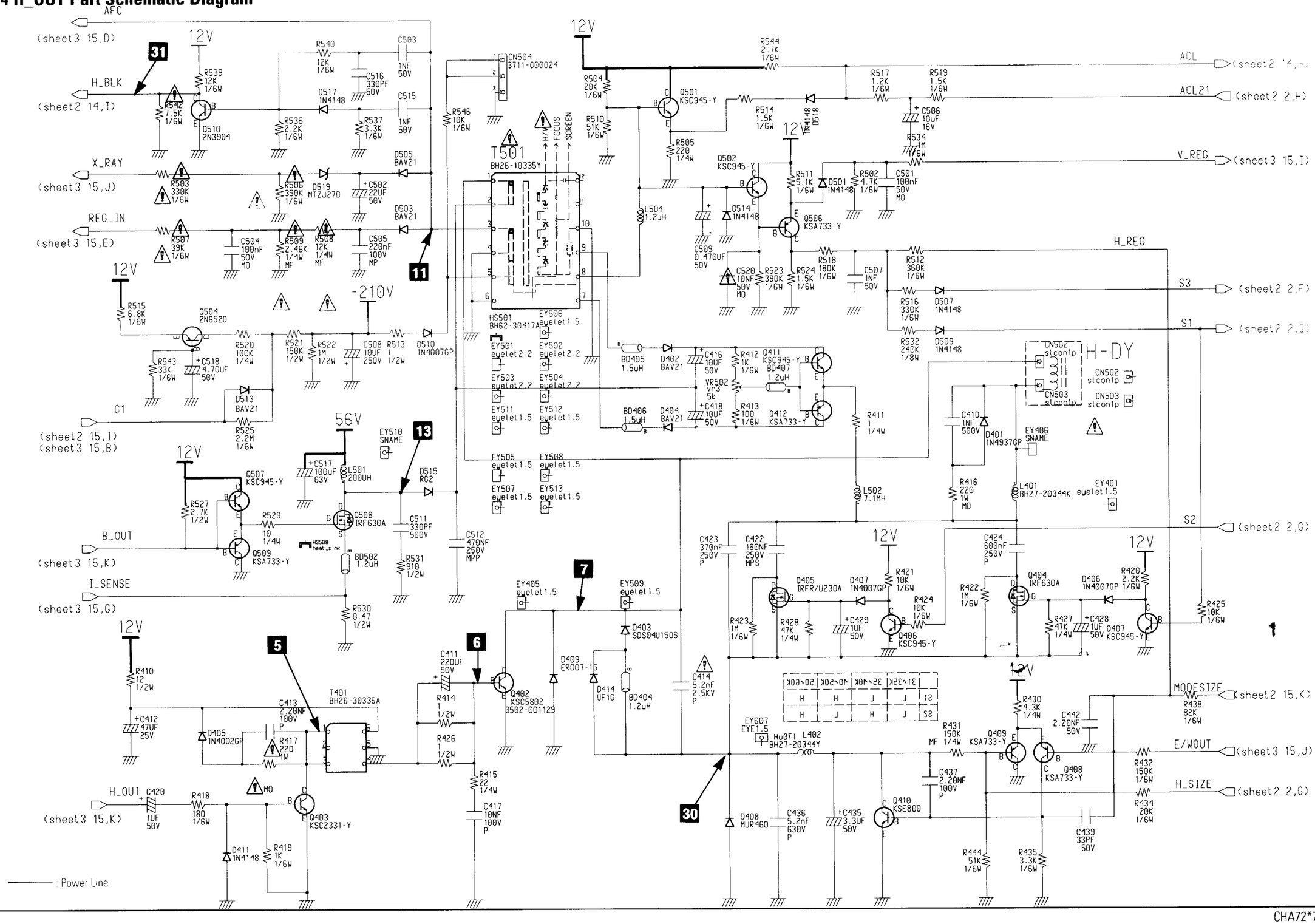




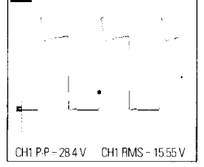




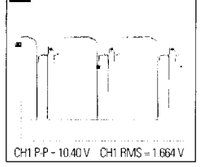
13-4 H_OUT Part Schematic Diagram



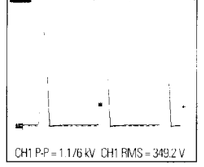
5 28.4 V (Q403, Collector)



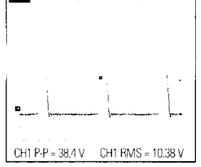
6 10.40 V (Q402, Base)



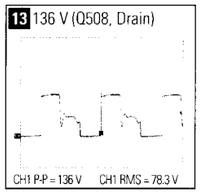
7 1.176 kV (Q402, Collector)



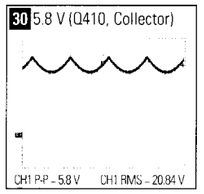
11 38.4 V (T501, #3)



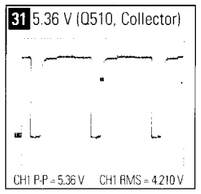
13 136 V (Q508, Drain)



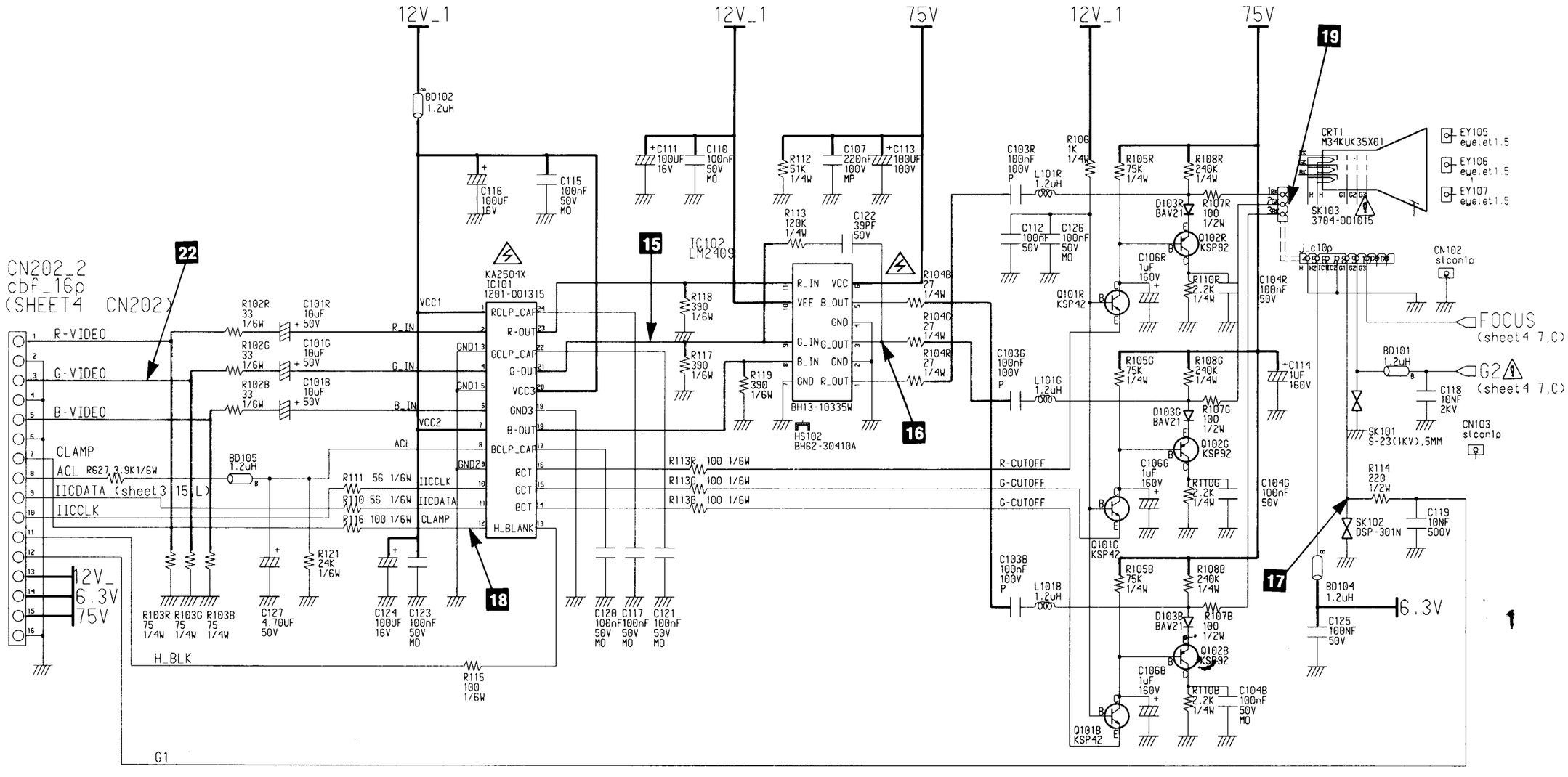
30 5.8 V (Q410, Collector)



31 5.36 V (Q510, Collector)



13-5 Video Part Schematic Diagram



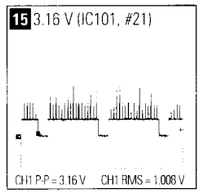
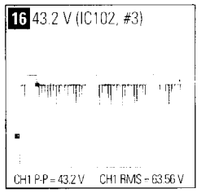
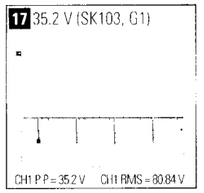
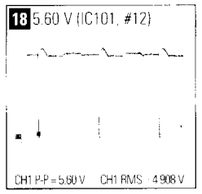
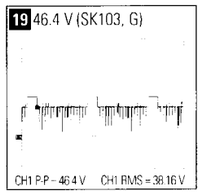
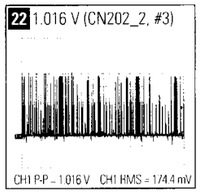
Power Line

Table 13-10. IC101 (KA2504)

pin #	MODES		pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz		800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	11.6	11.6	13	4.4	4.4
2	800 mV	800 mV	14	11.2	11.2
3	GND	GND	15	11.2	11.2
4	800 mV	800 mV	16	11.2	11.2
5	GND	GND	17	4.2	4.2
6	800 mV	800 mV	18	1.2	1.2
7	11.6	11.6	19	GND	GND
8	3.6	3.6	20	11.6	11.6
9	GND	GND	21	1.2	1.2
10	5.8	5.8	22	4.0	4.0
11	5.8	5.8	23	1.4	1.4
12	5.8	5.8	24	4.2	4.2

Unit: Vrms

Table 13-11. IC102 (LM2409)

pin #	MODES	
	800 x 600 / 85 Hz	640 x 480 / 60 Hz
1	45.4	44.6
2	GND	GND
3	45.4	44.2
4	GND	GND
5	45.0	44.0
6	75.2	75.2
7	GND	GND
8	1.2	1.2
9	1.2	1.2
10	11.6	11.6
11	1.2	1.2

Unit: Vrms