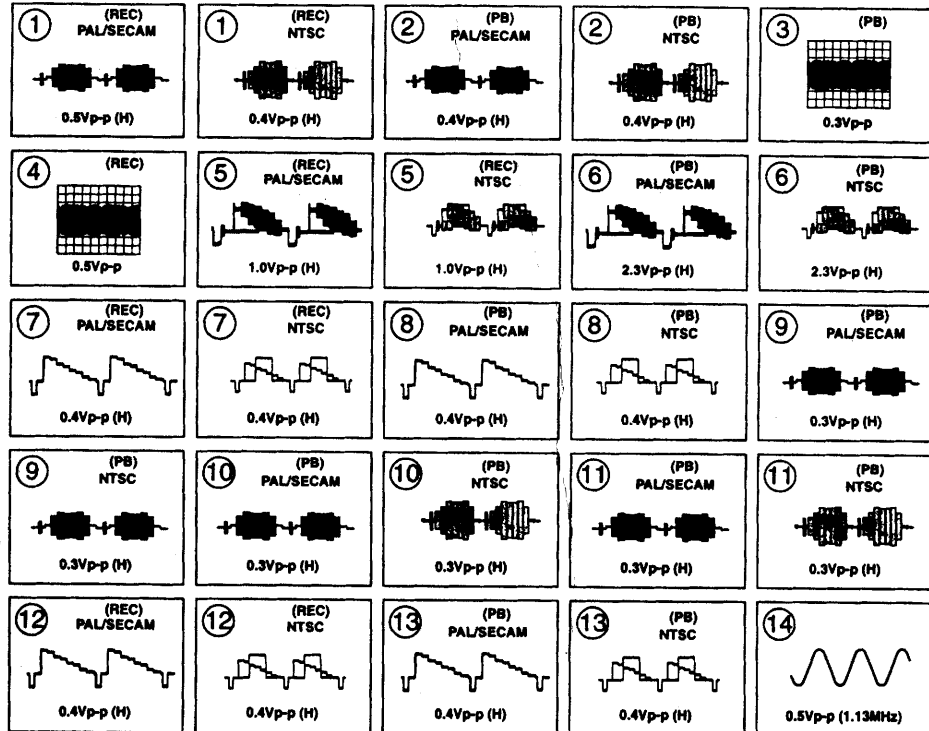


MA7 (2/3) BOARD WAVEFORMS



MA7 (2/3) BOARD * MARK LIST

	KV-21V5A21V5E/21V6A/21V6E	KV-21V5B/21V6B	KV-21V5D/21V6D	KV-21V5K	KV-21V5U/21V6U
C800					
C821	0.022 B : CHIP				
C822	270p : CHIP				
C827	0.0033 B : CHIP				
C844	0.0047 B : CHIP				
C877	0.01 B : CHIP		0.01 B : CHIP		
C878	0.01 F : CHIP		0.01 F : CHIP		
C879	47 6.3V		47 6.3V		
C887	0.01 F : CHIP				
C888	4.7				
C889	39p CH : CHIP				
C801	17p				
D802	1SS119				
D806	RB441Q				
D801	1SS119				
D801	DELAY-LINE				
IC803	LA7356M				
L810	68uH : EL0405				
L811	39uH : EL0405				
L821	100uH : EL0405				
Q802	2SC2712-YG				
Q804	2SA1162-YG				
Q805	2SC2712-YG				
Q806	2SC2712-YG				
Q815	2SC2712-YG				
Q819	UN2213				
Q820	UN2213				
Q822	UN2213				
Q840	UN2213				
Q843	UN2213				
R811	100 : CHIP				
R812	0 : CHIP				
R814	1k : CHIP				
R817	10k : CHIP				
R818	10k : CHIP				
R824	3.3k : CHIP				
R825	2.2k : CHIP				
R828	2.2k : CHIP				
R829	2.2k : CHIP				
R830	0 : CHIP				
R831	1k : CHIP				
R838	1k : CHIP				
R839	100 : CHIP				
R855	4.7k : CHIP				
R893	0 : CHIP				
R896	1k				
R899	6.8k : CHIP				
R900	JW (12.5)				
R901	2.2k : CHIP				
R902	6.8k : CHIP				
R906	0 : CHIP				
R915	1k : CHIP				

- : Not mounted

MA7 (2/3) BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q801	3.1	1.7	2.5
Q802	(1.7) <2.1>	4.8	(1.1) <1.5>
Q803	1.7	2.7	1.1
Q804	0.9	GND	1.6
Q805	1.8	4.8	0.8
Q806	4.8	0	GND
Q807	0	0	0
Q808	0.0	0	0
Q809	5	1.8	0.9
Q810	1.3	0	GND
Q811	0.0	0.0	GND
Q812	2.5	4.8	1.9
Q813	0.0	0	3.1
Q814	2.5	4.8	1.8
Q815	(1.7) <2.1>	4.8	(1.1) <1.5>
Q816	2.9	4.8	2.3
Q818	4.8	0	GND
Q819	0.0	0	GND
Q820	0.3	0.0	GND
Q821	1.3	4	GND
Q822	0.6	0	GND
Q824	(0.2) <2.3>	(0.8) <4.8>	(0.3) <1.7>
Q825	0	4.8	GND
Q827	0	0	GND
Q828	0.2	(1.7) <2.1>	GND
Q829	(1.7) <2.1>	GND	(1.1) <1.5>
Q830	(4.8) <0.1>	(0.8) <4.8>	4.8
Q831	(2.5) <2.8>	4.8	(1.7) <2.1>
Q832	4.8	0	0
Q833	1.9	4.8	1.3
Q834	4.8	0.3	4.8
Q835	4.8	0.3	4.8
Q836	4.8	0	0.3
Q837	2.6	4.8	1.9
Q839	4.8	GND	GND
Q840	0	0.9	GND
Q843	0	0	0
Q844	(0) <4.8>	(3.4) <0>	GND

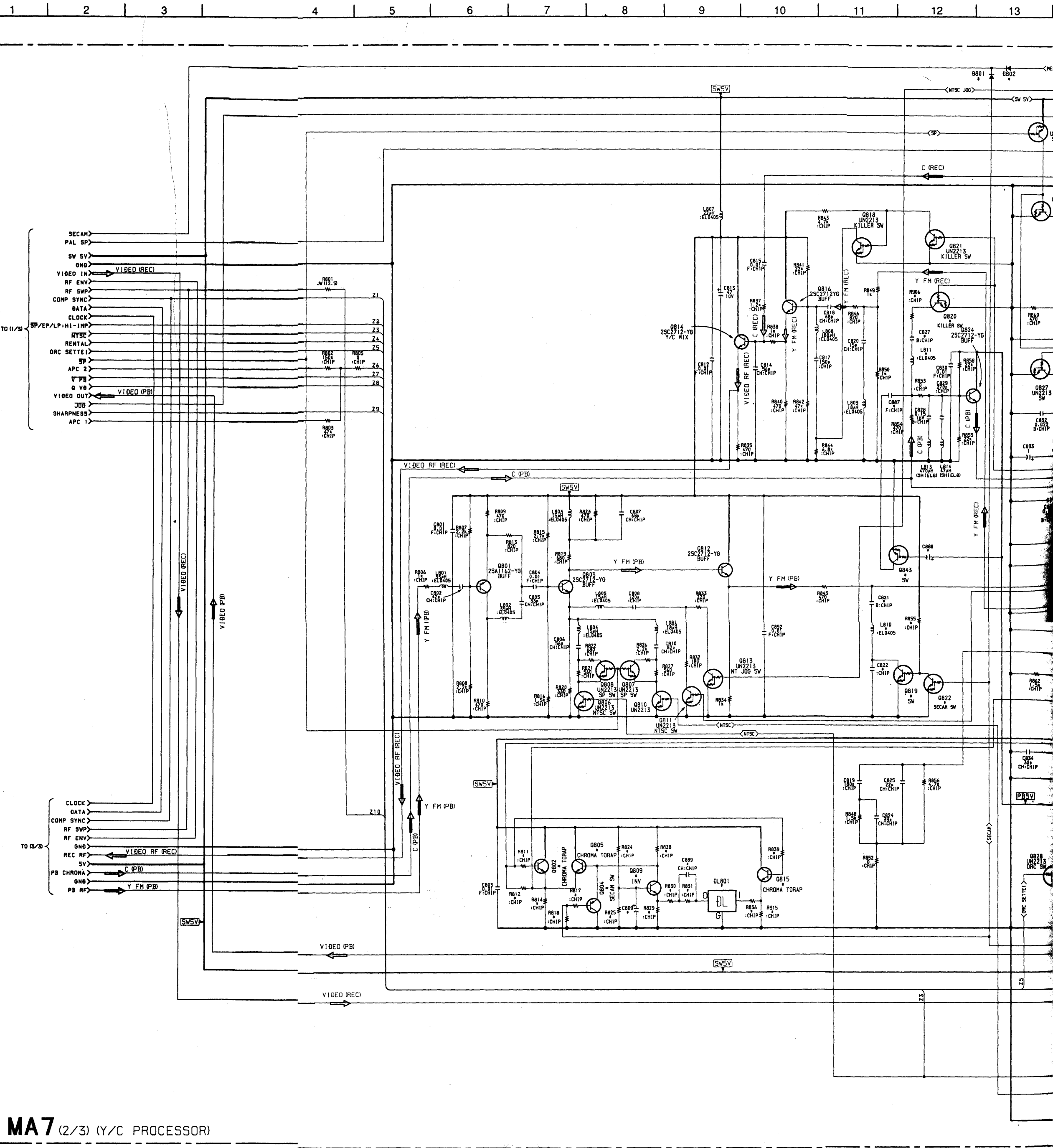
All voltages are in V.

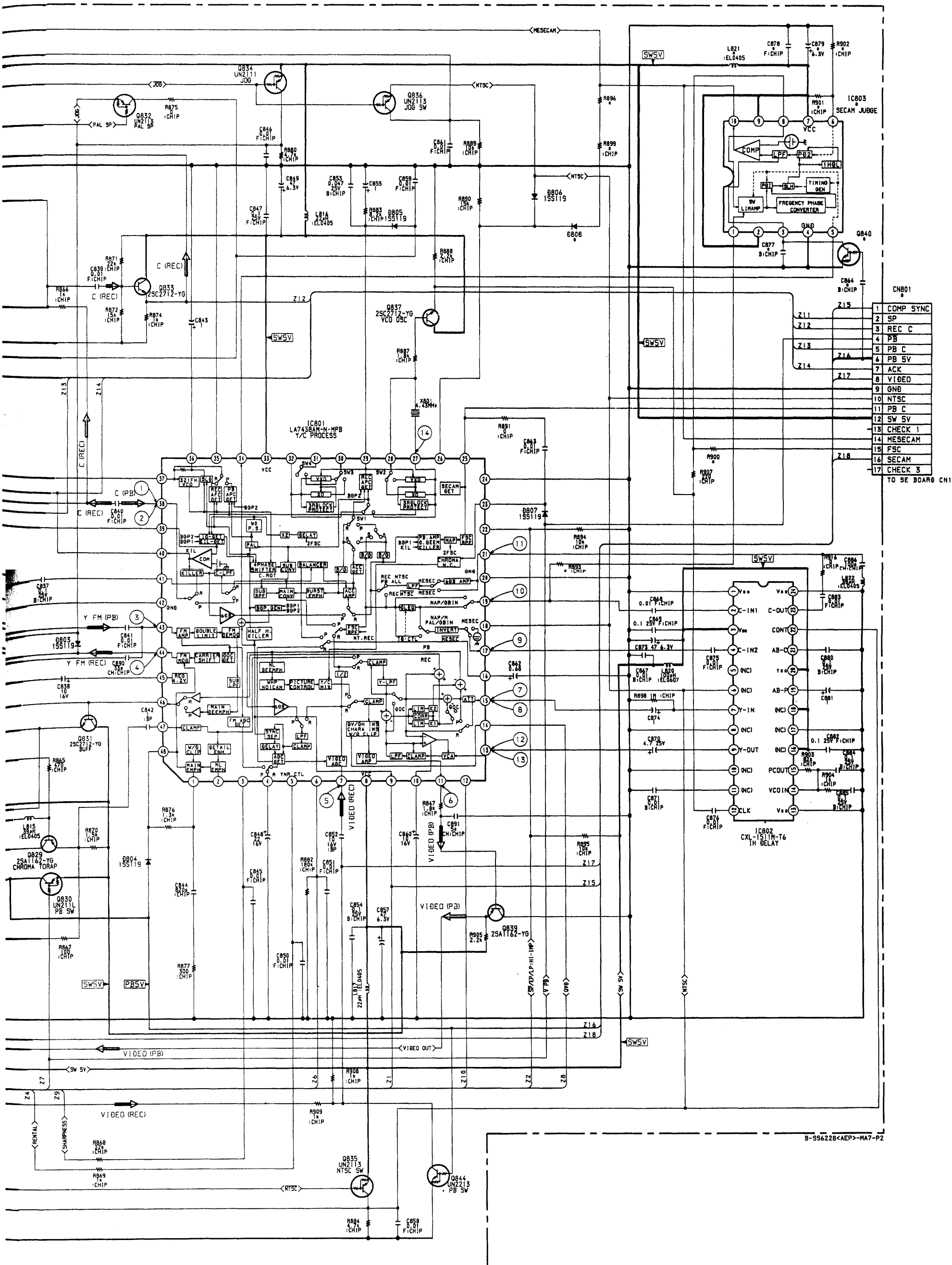
MA7 (2/3) BOARD IC VOLTAGE LIST

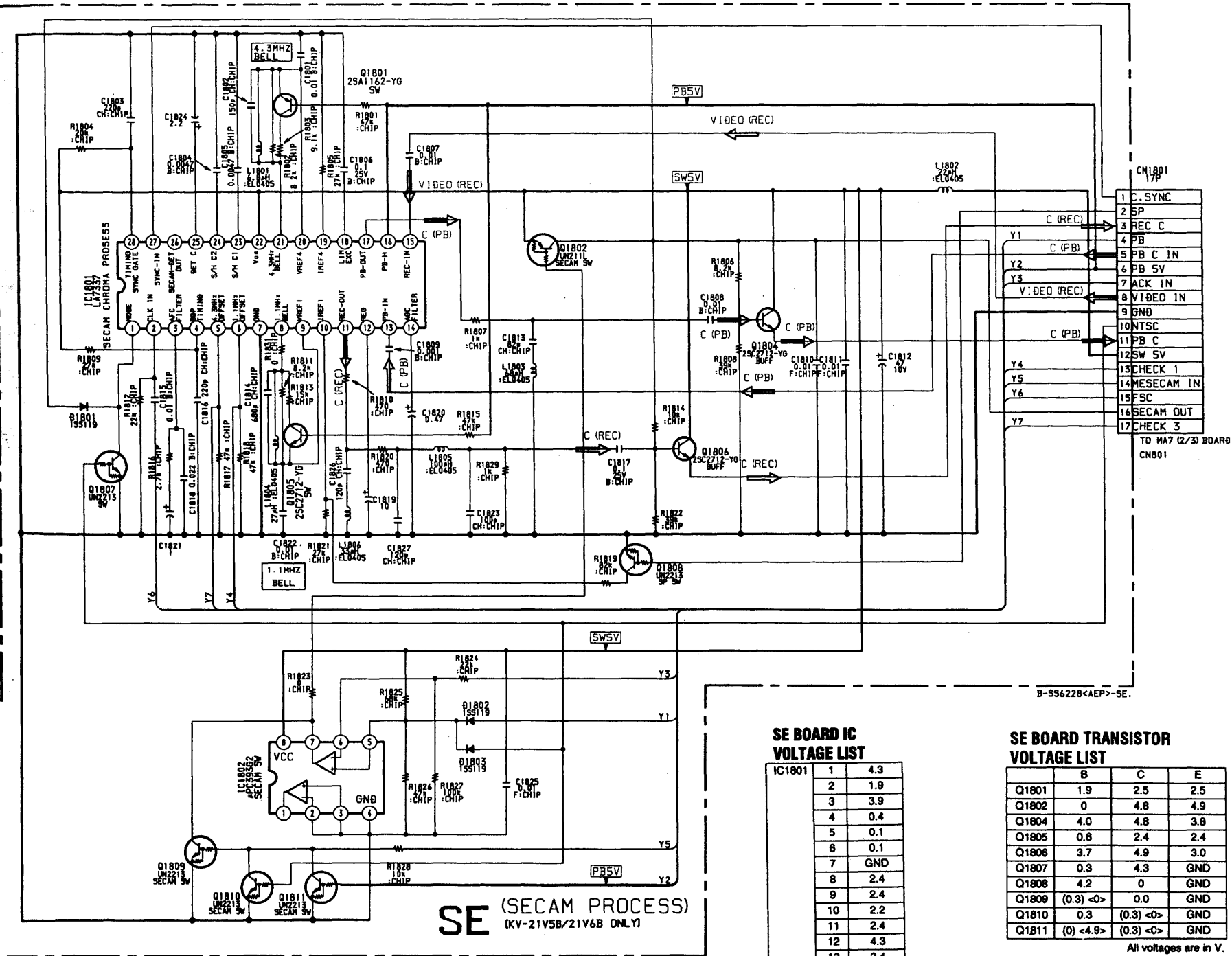
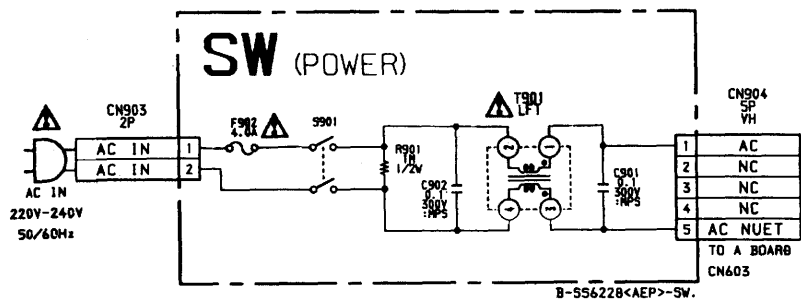
IC801	1	(2.3) <4.3>	IC802	44	(2.9) <3.4>	
	3	2.5		45	4.2	
	4	(1.5) <0>		46	(2.3) <2.8>	
	5	(2.1) <0.3>		47	3.3	
	6	(2.7) <2.1>		48	(2.3) <4.3>	
	7	(2.9) <3.3>		1	GND	
	8	4.5		2	2.1	
	9	0.5		3	4.9	
	10	3.1		4	2.0	
	11	2.2		6	(0) <0.3>	
	12	2.7		7	1.8	
	13	2.2		8	GND	
	14	0.1		9	1.8	
	15	1.3		10	GND	
	16	2.2		11	0	
	17	2.6		12	2.3	
	18	0.3		13	GND	
	19	2.6		14	1.7	
	20	GND		15	1.7	
	21	2.6		16	4.9	
	22	0.1		17	GND	
	23	(4.3) <1.8>		18	4.9	
	24	GND		19	0.8	
	25	(0) <2.4>		20	4.9	
	26	0.6		21	1.0	
	27	4.0		22	0.3	
	28	2.6		23	2.2	
	29	2.1		24	GND	
	30	2.1		IC803	25	2.6
	31	0.5			26	4.9
	32	0.5			27	4.9
	33	0.2			28	0.9
	34	0.8			4	GND
	35	2.6			5	0.5
	36	2.6			6	3.5
	37	2.6			7	4.9
	38	(2.3) <3.1>			8	1.9
	39	1.9			9	4.9
	40	(0) <0.3>			10	0.3
	41	(1.9) <1.8>				
	42	GND				
	43	(3.1) <3.7>				

All voltages are in V.
Pin numbers which are not described are not used.

MA7 (2/3) (Y/C PROCESSOR)







SE BOARD IC VOLTAGE LIST

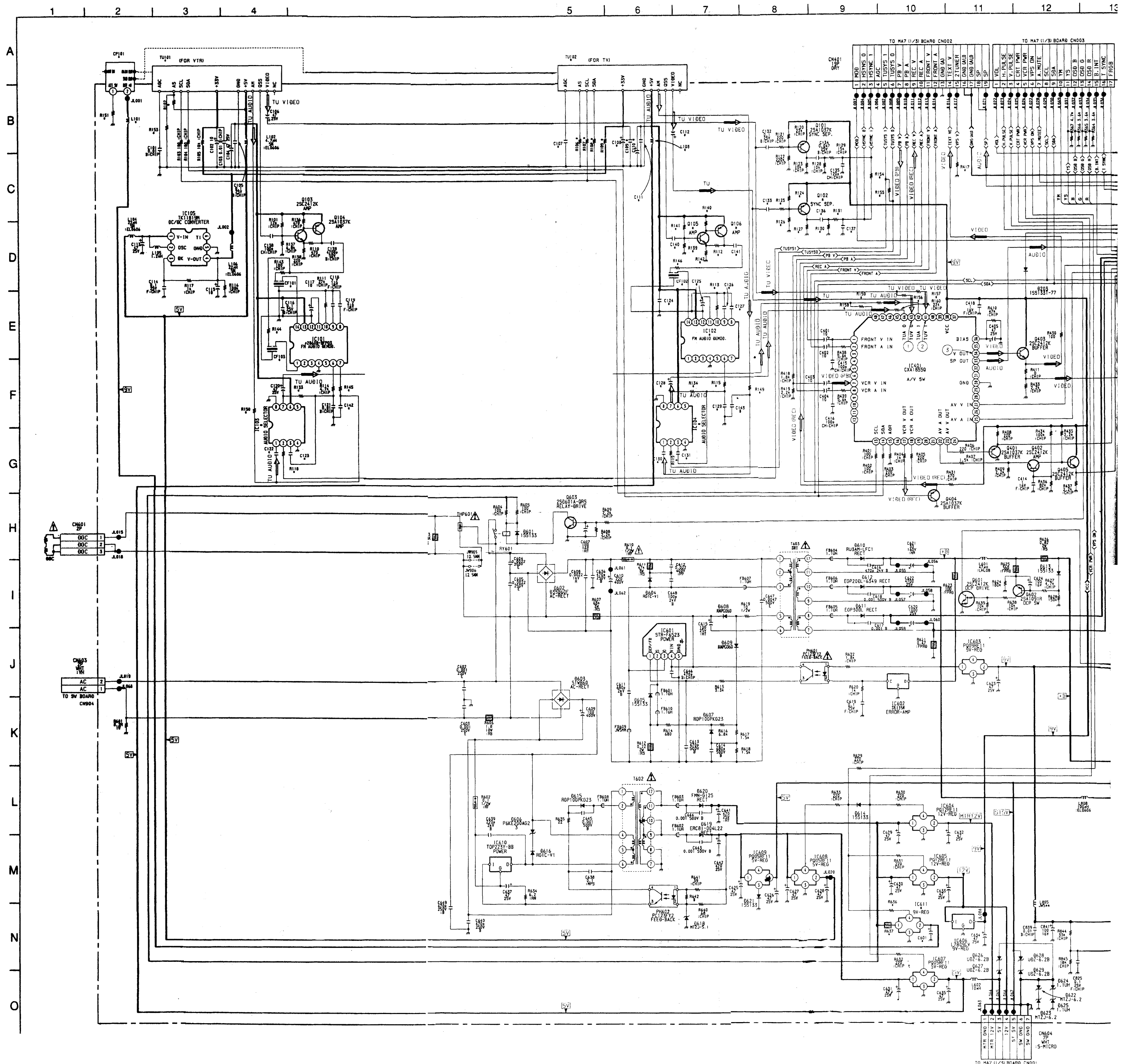
IC1801	Pin	Voltage
	1	4.3
	2	1.9
	3	3.9
	4	0.4
	5	0.1
	6	0.1
	7	GND
	8	2.4
	9	2.4
	10	2.2
	11	2.4
	12	4.3
	13	2.4
	14	3.0
	15	2.7
	16	0.6
	17	2.5
	18	2.1
	19	2.3
	20	2.5
	21	2.5
	22	4.9
	23	2.9
	24	3.0
	25	4.3
	26	4.8
	27	0.5
	28	0.3
IC1802	Pin	Voltage
	2	GND
	3	GND
	4	GND
	5	4.0
	6	0
	7	0
	8	4.8

All voltages are in V.
Pin numbers which are not described are not used.

SE BOARD TRANSISTOR VOLTAGE LIST

Transistor	B	C	E
Q1801	1.9	2.5	2.5
Q1802	0	4.8	4.9
Q1804	4.0	4.8	3.8
Q1805	0.6	2.4	2.4
Q1806	3.7	4.9	3.0
Q1807	0.3	4.3	GND
Q1808	4.2	0	GND
Q1809	(0.3) <0>	0.0	GND
Q1810	0.3	(0.3) <0>	GND
Q1811	(0) <4.9>	(0.3) <0>	GND

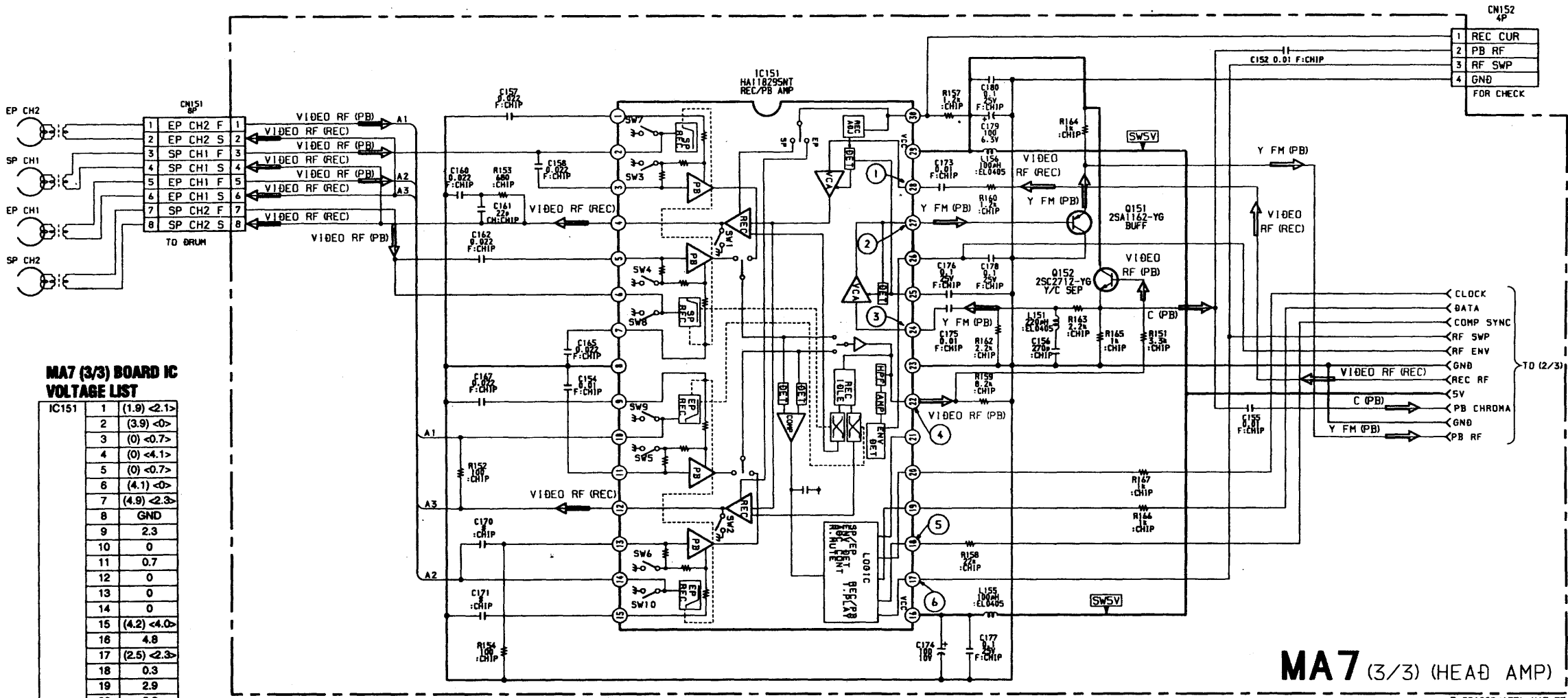
All voltages are in V.





A
B
C
D
E
F
G

1 2 3 4 5 6 7 8 9 10 11 12 13



MA7 (3/3) BOARD IC VOLTAGE LIST

IC151	1	(1.9) <2.1>
	2	(3.9) <0>
	3	(0) <0.7>
	4	(0) <4.1>
	5	(0) <0.7>
	6	(4.1) <0>
	7	(4.9) <2.3>
	8	GND
	9	2.3
	10	0
	11	0.7
	12	0
	13	0
	14	0
	15	(4.2) <4.0>
	16	4.8
	17	(2.5) <2.3>
	18	0.3
	19	2.9
	20	3.0
	22	(1.7) <2.4>
	23	GND
	24	3.5
	25	1.5
	26	(0.2) <1.2>
	27	(4.1) <1.8>
	28	(2.0) <2.2>
	29	4.8
	30	(3.9) <4.8>

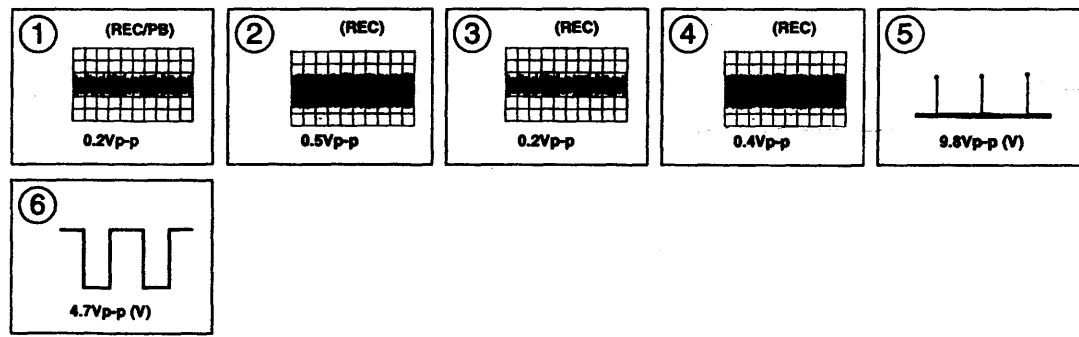
All voltages are in V.

MA7 (3/3) BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q151	(1.6) <4.1>	GND	(2.3) <4.7>
Q152	(1.2) <2.9>	4.8	(0.7) <2.2>

All voltages are in V.

• MA7 (3/3) BOARD WAVEFORMS



MA7 (3/3) (HEAD AMP)

B-S56228<AEP>-MA7-P3