
6. Schematic Diagrams

◆ Block Identification of Main PCB - - - - -	6-2
6-1 S.M.P.S. - - - - -	6-3
6-2 Power Drive - - - - -	6-4
6-3 System Control/Servo/Display - - - - -	6-5
6-4 Audio/Video - - - - -	6-7
6-5 Hi-Fi (Option) - - - - -	6-9
6-6 TM - - - - -	6-11
6-7 SECAM (SVR-750/659 Only) - - - - -	6-12
6-8 OSD- - - - -	6-13
6-9 Input-Output (1 Scart Jack); SVR-750/659 Only - - - - -	6-14
6-10 Input-Output (RCA Jack) - - - - -	6-15
6-11 Sub (SVR-750 Only) - - - - -	6-16
6-12 Sub (Other Models)- - - - -	6-17

Note

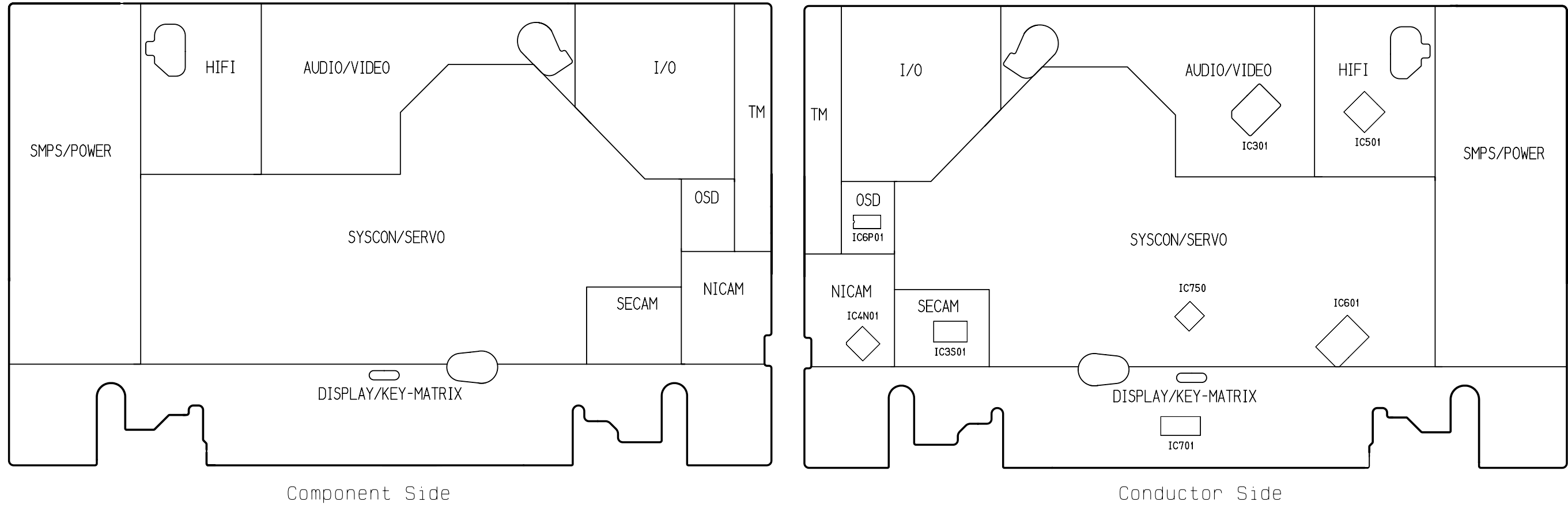
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

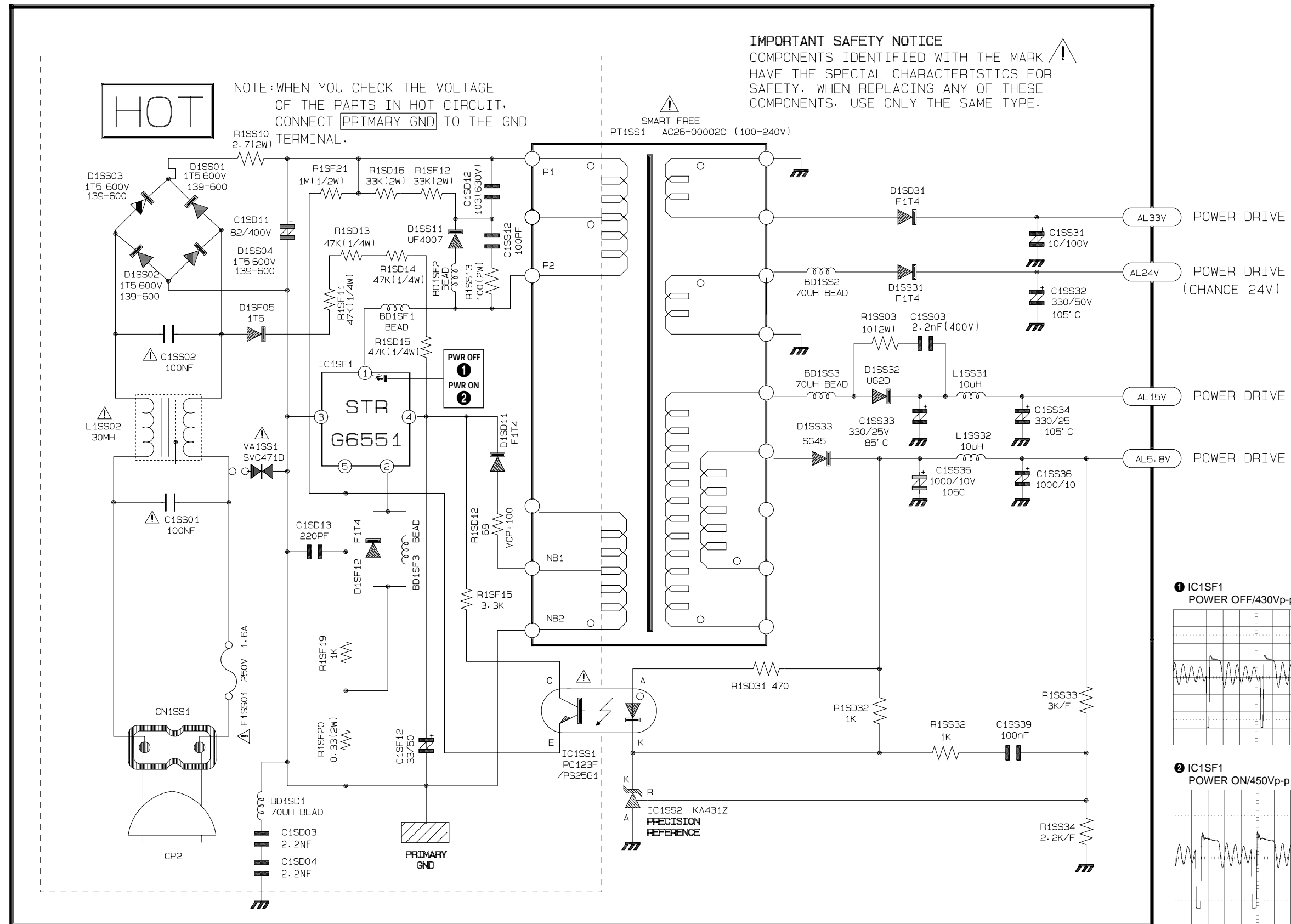
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

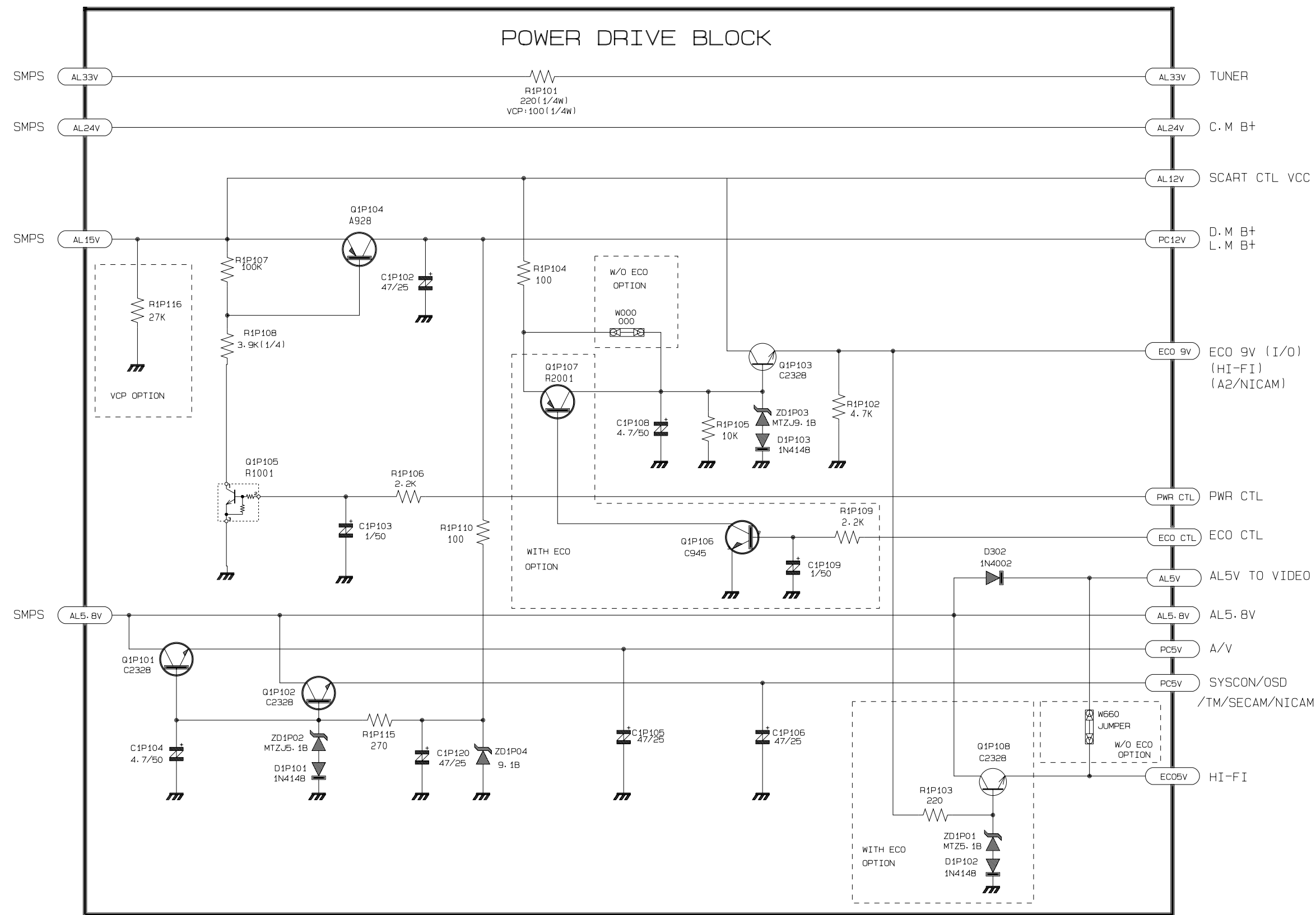
◆ Block Identification of Main PCB



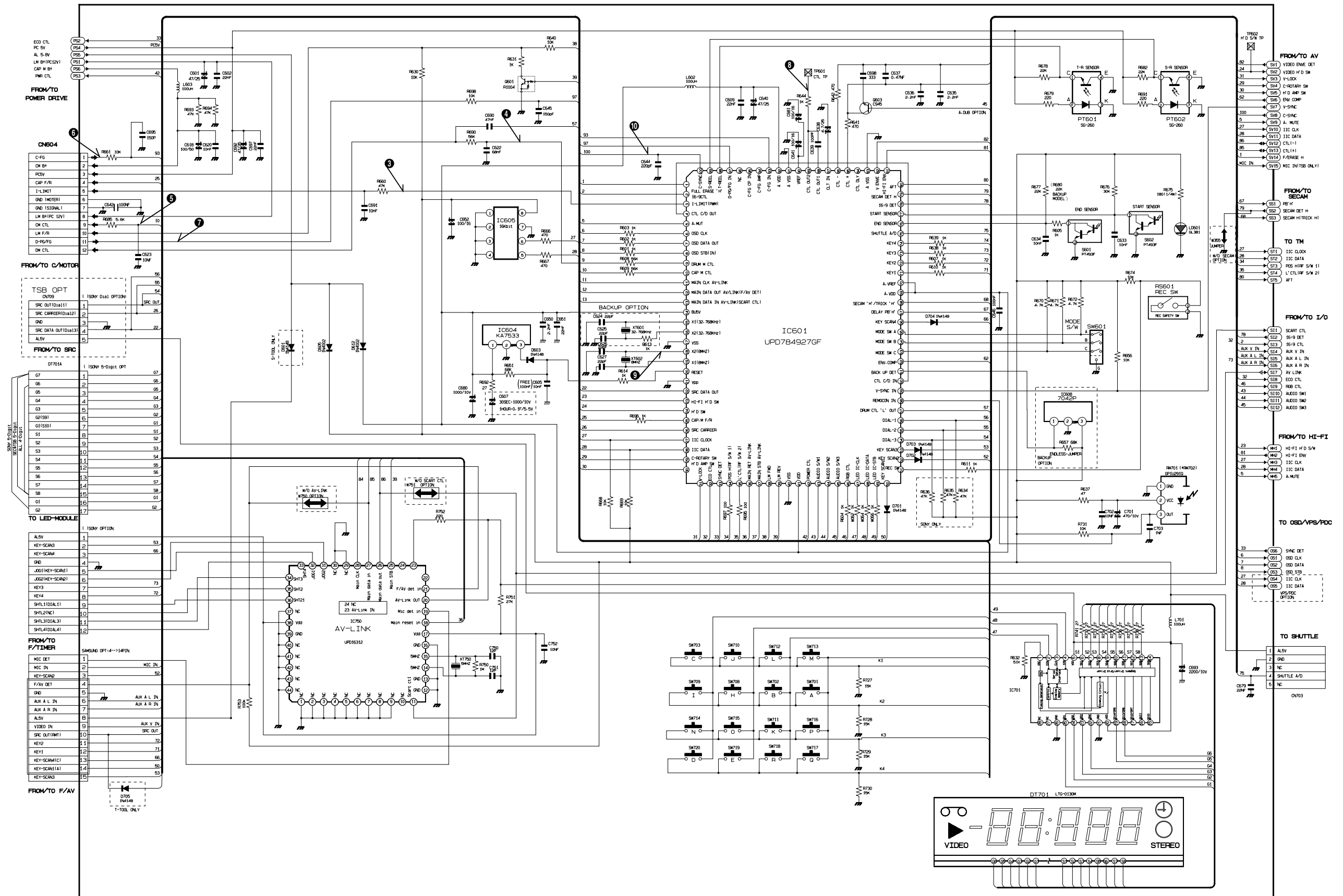
6-2 S.M.P.S. (Free Voltage)



6-2 Power Drive

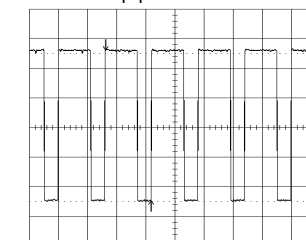


6-3 System Control/Servo/Display

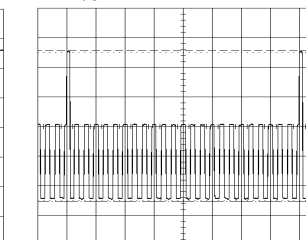


IC601 VOLTAGE TABLE

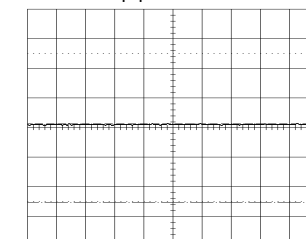
③ IC601-3
PB/5.1Vp-p



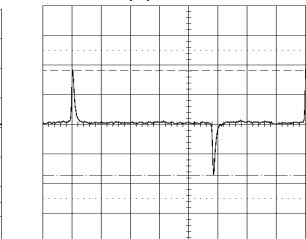
⑦ IC610-97
PB/5.1V



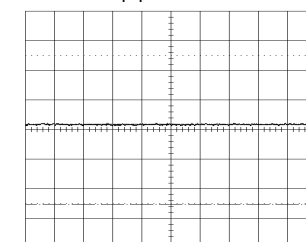
④ IC601-9
PB/2.7Vp-p



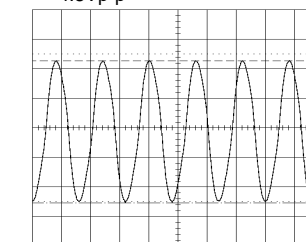
⑧ TP601-89
PB/3.6Vp-p



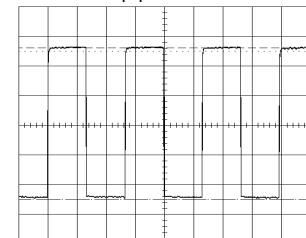
⑤ IC601-10
PB/2.7Vp-p



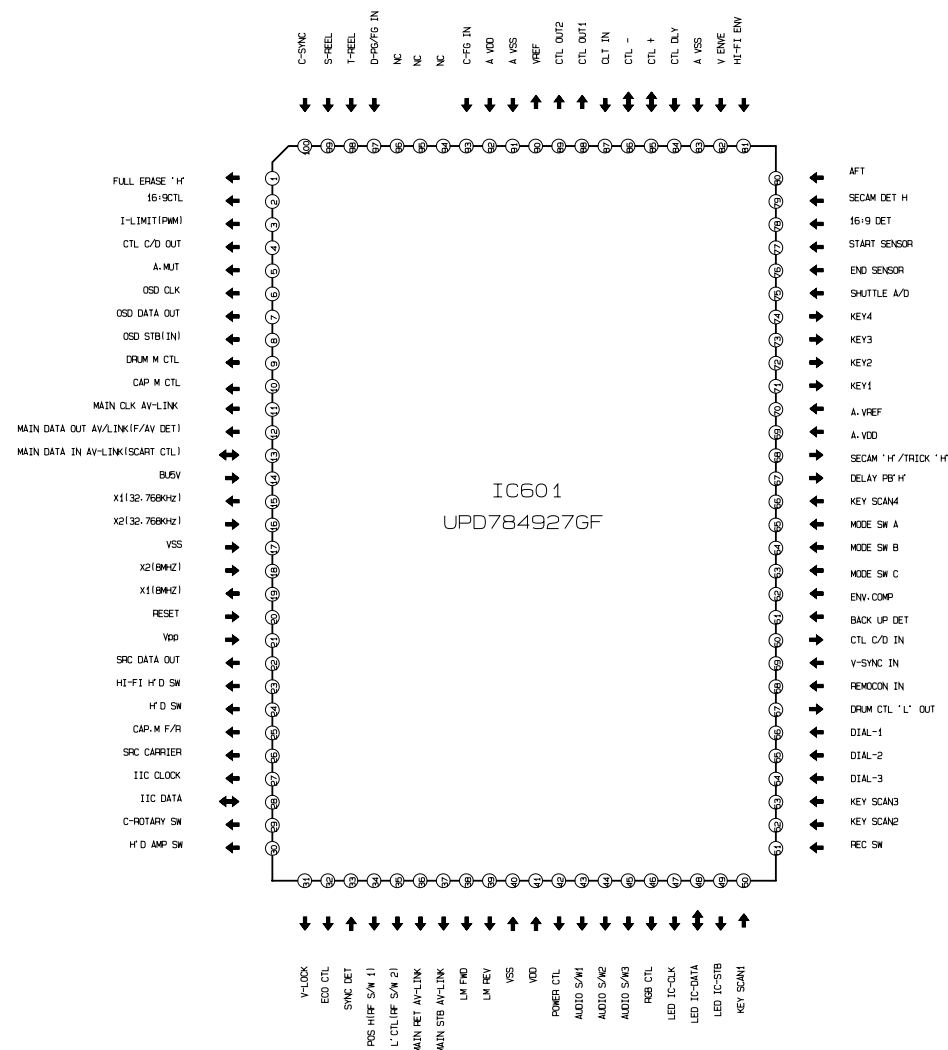
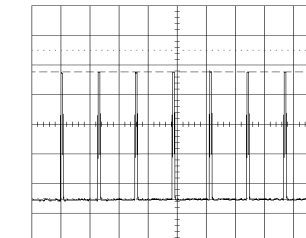
⑨ IC601-18
4.8Vp-p



⑥ CN604-93
PB/5.1Vp-p



⑩ IC601-100
PB/4.3Vp-p



PIN MODE	PLAY	STOP	REC
IC601	UPD784927GF		
1	0.0	0.0	4.8
2	0.0	0.0	0.0
3	3.6	0.0	3.6
4	3.1	5.2	0.0
5	0.0	5.2	5.1
6	5.1	5.2	5.1
7	5.2	5.2	5.1
8	4.2	4.1	4.1
9	2.6	2.6	2.6
10	2.7	5.2	2.7
11	5.2	5.2	5.2
12	2.1	0.3	2.3
13	2.3	2.1	2.2
14	5.2	5.2	5.2
15	2.1	2.2	2.1
16	2.5	2.5	2.4
17	0.0	0.0	0.0
18	2.4	2.4	2.4
19	2.2	2.2	2.8
20	5.2	5.2	5.2
21	0.0	0.0	0.0
22	0.0	0.0	0.0
23	2.3	2.7	0.0
24	2.7	2.3	2.8
25	0.0	0.0	0.0
26	0.0	0.0	0.0
27	4.6	4.6	4.6
28	4.6	4.6	4.5
29	2.4	2.8	2.8
30	0.0	5.2	0.0
31	0.0	0.0	0.0
32	4.7	4.7	4.7
33	5.1	0.0	0.0
34	1.2	1.4	0.7
35	0.0	0.0	0.0
36	5.2	5.2	5.2
37	1.4	1.3	0.7
38	0.0	0.0	5.1
39	0.0	0.0	0.0
40	0.0	0.0	0.0
41	5.2	5.2	5.2
42	5.2	5.1	5.1
43	0.0	0.0	5.1
44	0.0	0.0	0.0
45	0.0	0.0	0.0
46	5.2	5.1	5.1
47	5.2	5.2	5.2
48	5.2	5.2	5.2
49	5.2	5.2	5.2
50	0.1	0.1	5.2

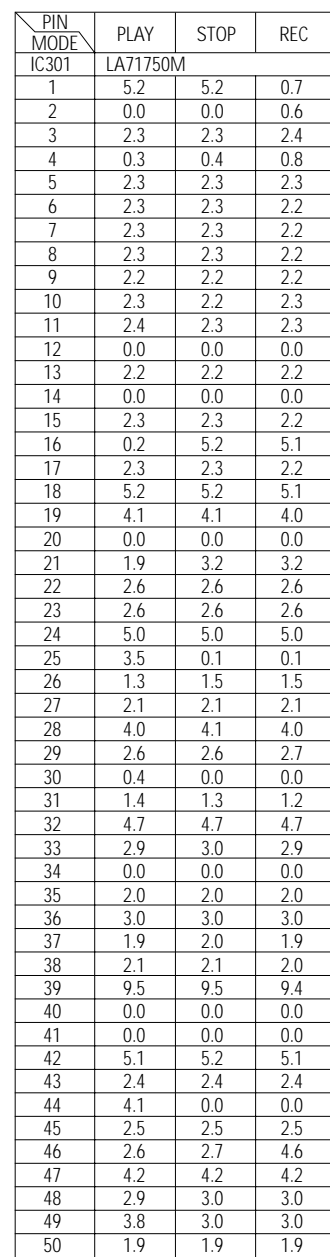
PIN MODE	PLAY	STOP	REC
IC601	UPD784927GF		
51	0.0	0.0	0.0
52	0.0	0.1	0.1
53	5.2	0.1	0.2
54	5.2	5.2	5.2
55	5.2	5.2	5.2
56	5.2	5.2	5.2
57	0.0	0.0	0.0
58	5.2	5.2	5.2
59	5.1	5.2	5.2
60	3.3	5.2	5.2
61	5.2	5.2	5.2
62	1.2	2.5	1.5
63	0.0	0.0	0.0
64	5.2	0.0	5.2
65	0.0	0.0	0.0
66	4.7	4.8	4.7
67	5.2	0.0	0.0
68	0.0	0.0	0.0
69	5.2	0.0	5.2
70	5.2	1.4	5.2
71	0.0	0.0	0.0
72	0.0	0.0	0.0
73	0.0	0.0	0.0
74	0.0	0.0	0.0
75	1.6	1.2	1.5
76	5.2	5.2	5.2
77	5.1	5.2	5.1
78	0.0	0.0	0.0
79	0.0	0.4	0.4
80	3.7	3.7	3.7
81	0.1	0.2	0.2
82	2.3	0.6	0.0
83	1.3	0.0	0.0
84	1.4	1.8	0.0
85	2.6	2.6	2.8
86	2.6	2.6	2.2
87	2.6	2.6	2.6
88	2.6	2.6	2.6
89	2.6	2.6	0.0
90	2.6	2.6	2.6
91	0.0	0.0	0.0
92	5.2	5.2	5.2
93	2.6	5.1	2.6
94	1.4	1.7	1.4
95	1.3	1.5	1.3
96	1.4	1.7	1.3
97	1.3	0.1	1.3
98	0.1	0.1	0.1
99	0.1	0.1	0.3
100	0.2	0.2	0.2

PIN MODE	PLAY	STOP	REC
IC605	24LCXX		
1	0.0	0.0	0.0
2	0.0	0.0	0.0
3	0.0	0.0	0.0
4	0.0	0.0	0.0
5	5.2	5.2	5.2
6	0.0	0.0	0.0
7	4.6	4.7	4.7
8	4.7	4.6	4.6
IC604	KA7533		
1	5.2	5.2	5.2
2	0.0	0.0	0.0
3	5.0	5.1	5.0

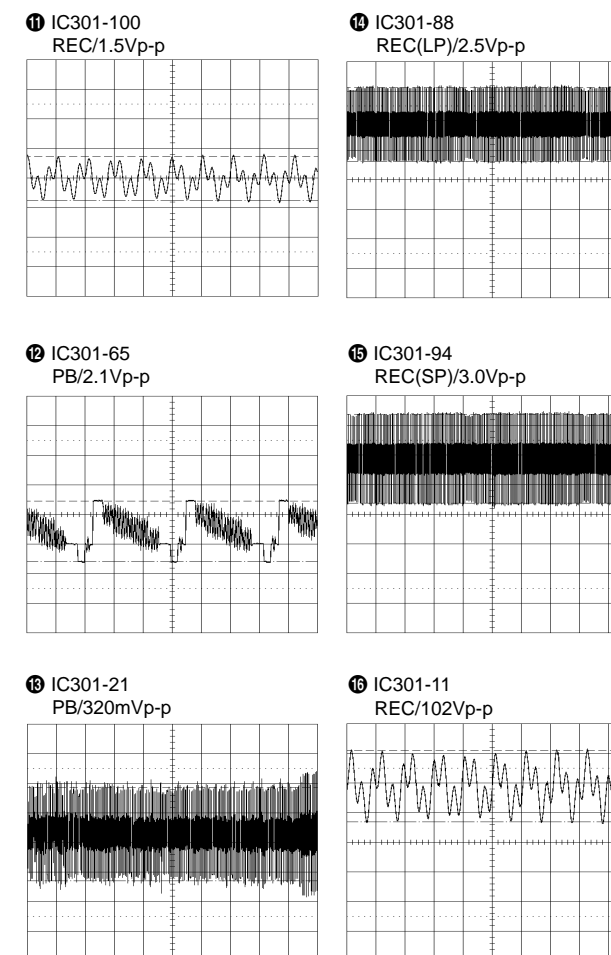


IC301 VOLTAGE TABLE

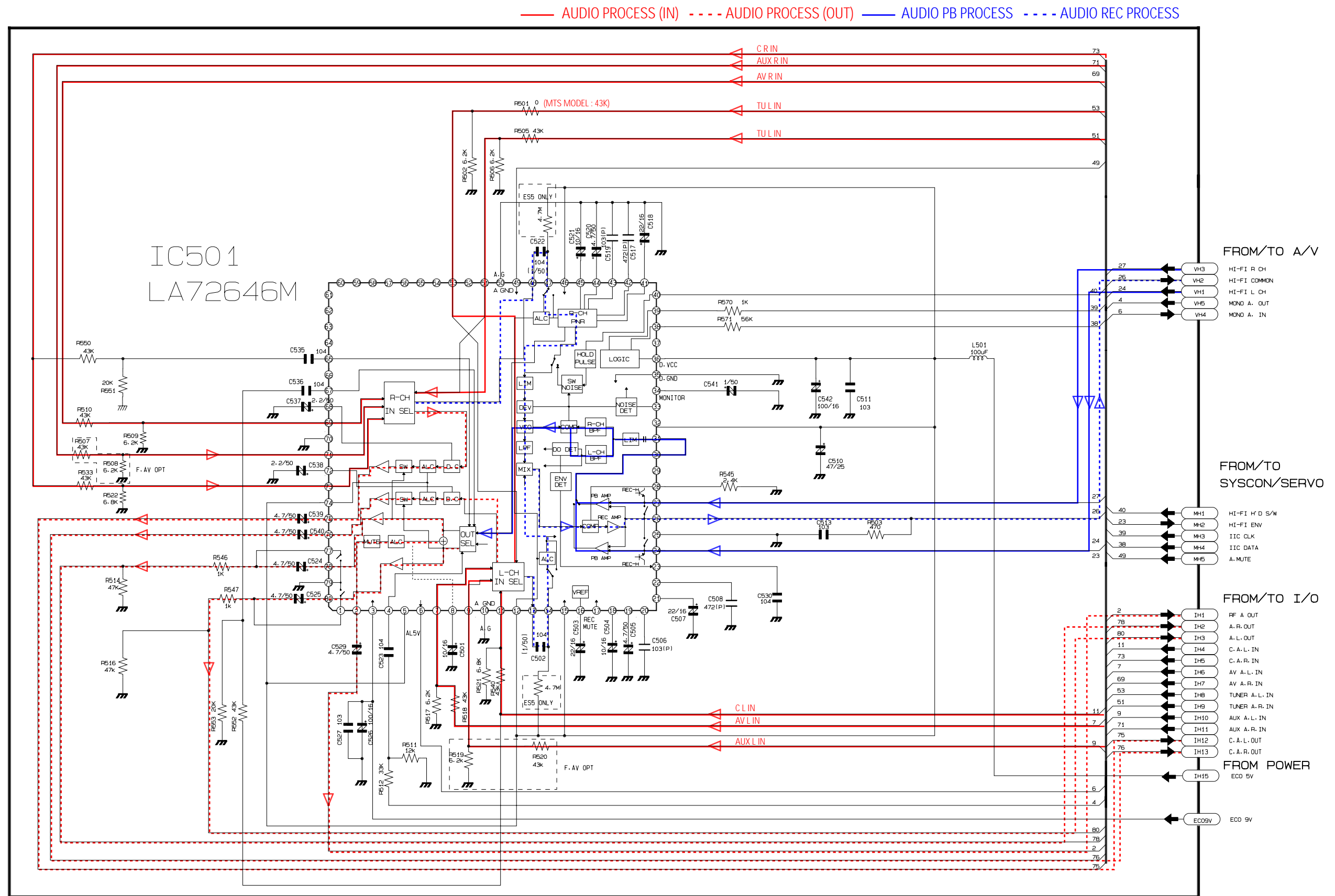
WAVEFORM



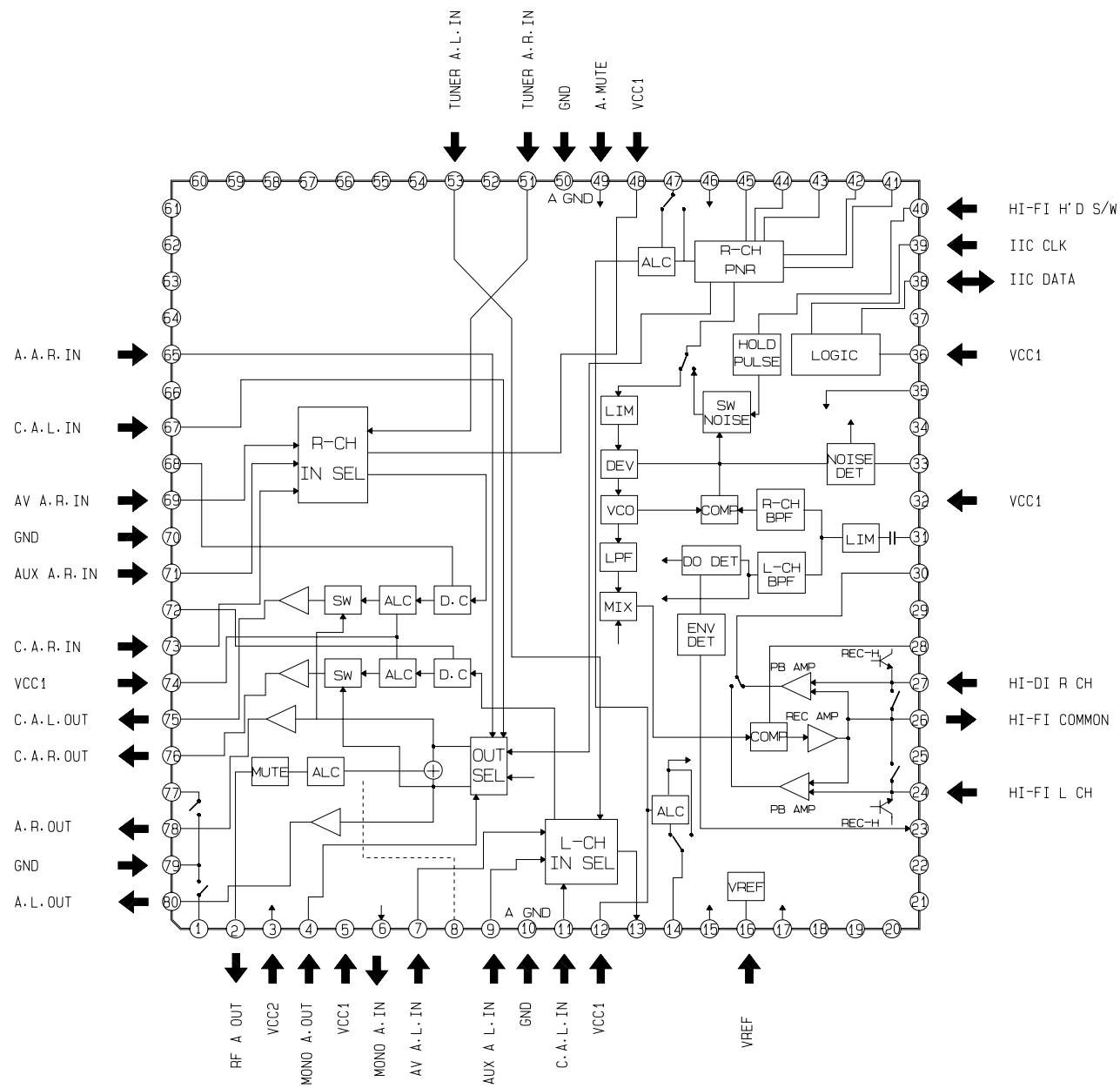
PIN MODE	PLAY	STOP	REC
IC301	LA71750M		
51	0.0	0.0	0.0
52	1.9	1.9	1.9
53	2.4	2.4	2.4
54	1.9	1.9	1.9
55	5.2	5.2	5.2
56	2.2	2.3	2.3
57	2.2	2.0	2.0
58	2.8	3.1	3.1
59	3.0	2.9	2.9
60	1.6	1.5	1.5
61	1.7	19.0	1.9
62	0.0	0.0	0.0
63	1.2	1.2	1.2
64	0.0	0.0	0.0
65	1.5	1.8	1.8
66	5.2	5.2	5.2
67	0.2	0.2	0.2
68	4.7	4.7	4.7
69	4.5	4.7	4.5
70	2.8	5.2	2.8
71	0.0	3.3	3.3
72	5.0	5.0	5.0
73	1.9	2.2	2.2
74	2.6	2.5	2.5
75	0.7	2.4	2.4
76	0.8	2.4	2.4
77	1.6	1.5	1.5
78	3.4	2.6	2.5
79	1.9	1.9	2.5
80	0.9	0.9	4.2
81	1.1	1.1	1.1
82	0.0	0.0	0.0
83	2.6	0.7	0.0
84	2.7	0.6	0.0
85	0.0	0.0	1.0
86	0.4	0.4	0.0
87	0.7	1.9	2.5
88	0.7	1.9	0.7
89	0.7	1.9	0.7
90	0.7	1.9	0.7
91	5.2	5.2	4.1
92	0.0	0.0	0.0
93	1.9	1.9	4.3
94	1.9	1.9	4.3
95	1.9	1.9	4.3
96	1.9	1.9	4.4
97	0.0	0.0	0.0
98	2.3	2.3	2.3
99	2.3	2.3	2.3
100	2.3	2.3	2.4



6-5 Hi-Fi (Option)



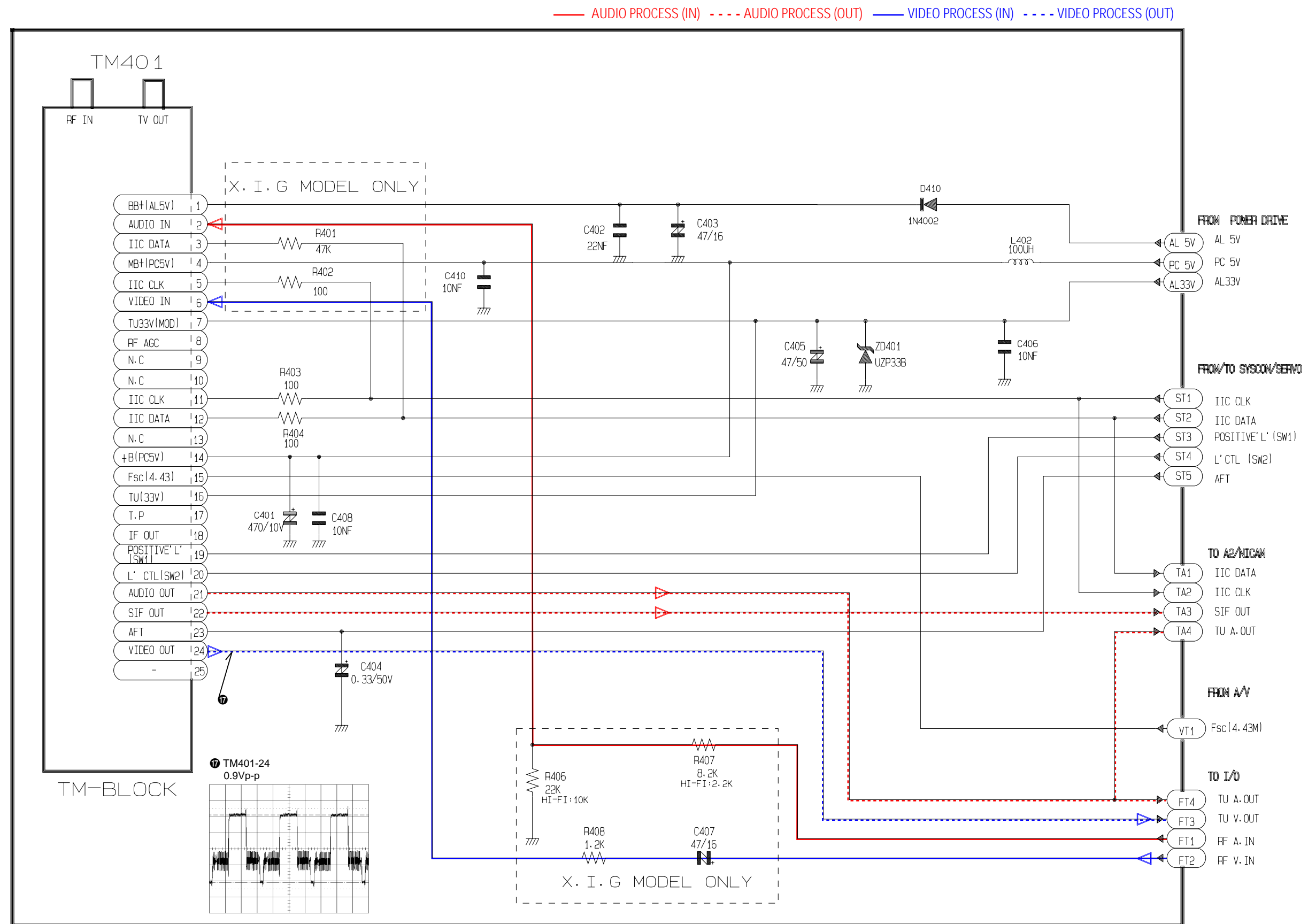
IC501 LA72646M



IC501 VOLTAGE TABLE

PIN MODE	PLAY	STOP	REC
IC501	LA72646M		
1	0.0	0.0	0.0
2	2.5	2.5	2.5
3	9.5	9.5	9.5
4	2.5	2.5	2.5
5	4.9	4.9	4.8
6	2.0	1.9	1.9
7	0.0	0.0	0.0
8	0.0	0.0	0.0
9	0.0	0.0	0.0
10	0.0	0.0	0.0
11	0.0	0.0	0.0
12	4.8	4.8	4.8
13	2.6	2.0	2.0
14	2.5	2.5	2.5
15	4.8	4.9	4.8
16	2.5	2.5	2.5
17	0.0	0.3	0.3
18	1.3	0.0	0.0
19	2.6	2.5	2.5
20	2.2	2.5	2.5
21	2.6	2.5	2.5
22	2.6	2.5	2.5
23	4.2	0.0	0.0
24	1.9	0.1	3.9
25	0.0	0.0	0.0
26	1.9	0.1	3.9
27	1.9	0.1	3.9
28	0.0	0.5	2.1
29	0.0	0.0	0.0
30	2.1	4.1	3.9
31	2.3	4.1	3.9
32	4.8	4.4	4.8
33	2.2	0.4	0.0
34	3.5	2.5	2.5
35	2.5	0.0	0.0
36	2.7	4.9	4.8
37	0.0	0.4	0.0
38	4.4	4.6	4.5
39	4.5	4.6	4.5
40	2.8	0.0	2.3
41	2.6	2.5	2.5
42	2.5	2.5	2.5
43	2.6	2.5	2.5
44	2.6	2.5	2.5
45	0.2	0.0	0.0
46	4.8	4.9	0.4
47	2.5	2.5	5.0
48	2.6	2.0	2.0
49	0.0	0.0	0.0
50	0.0	0.0	0.0

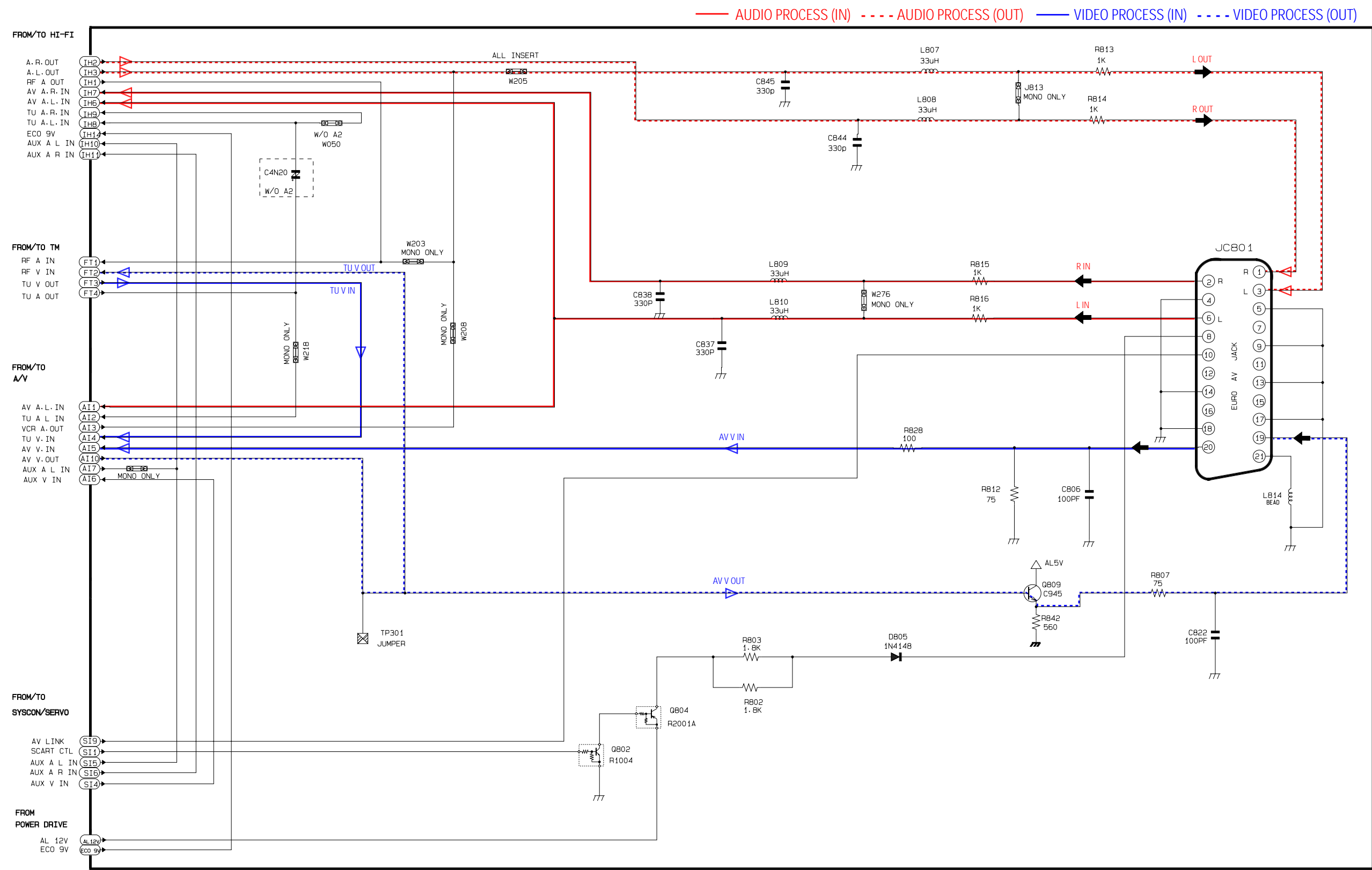
6-6 TM



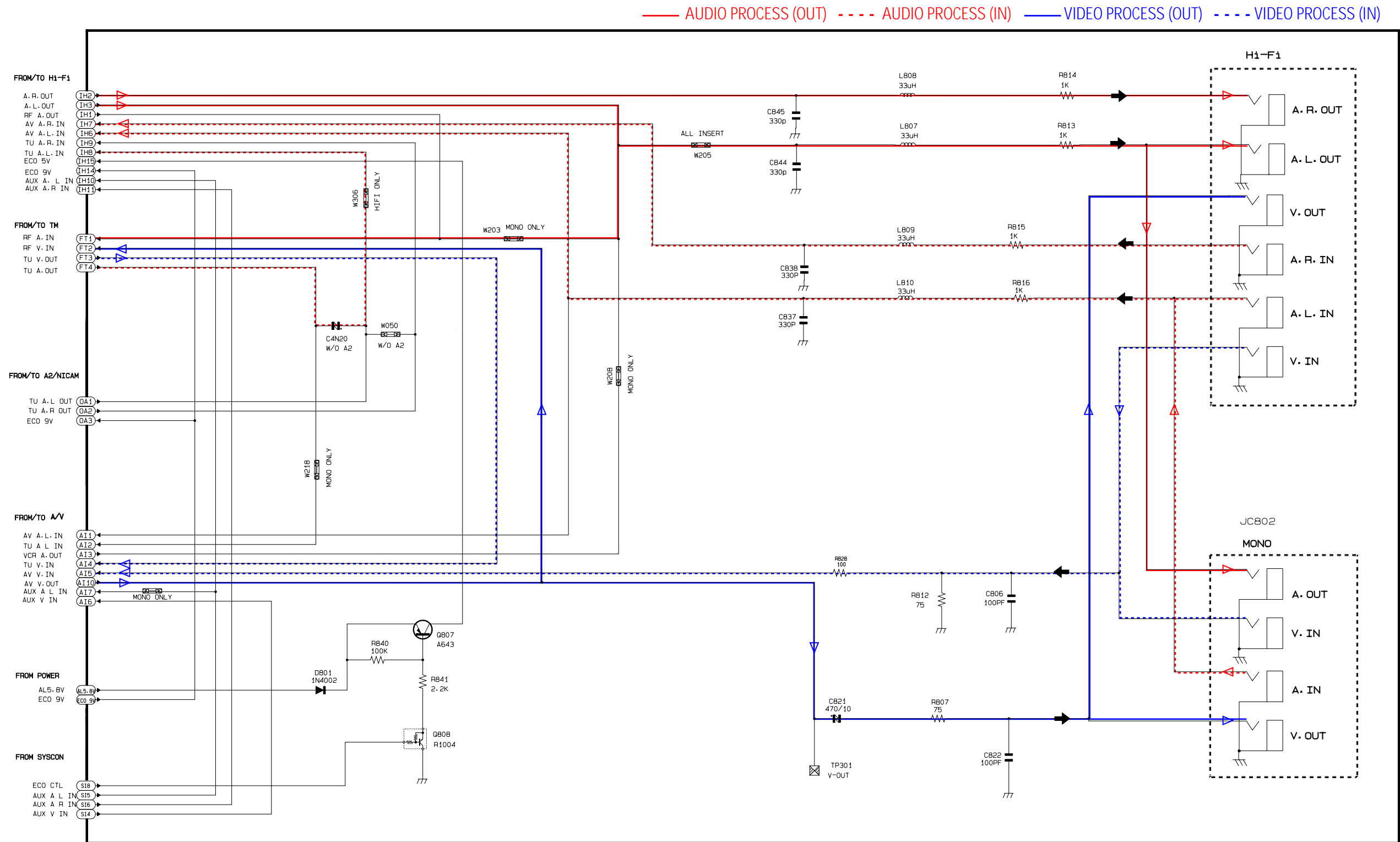




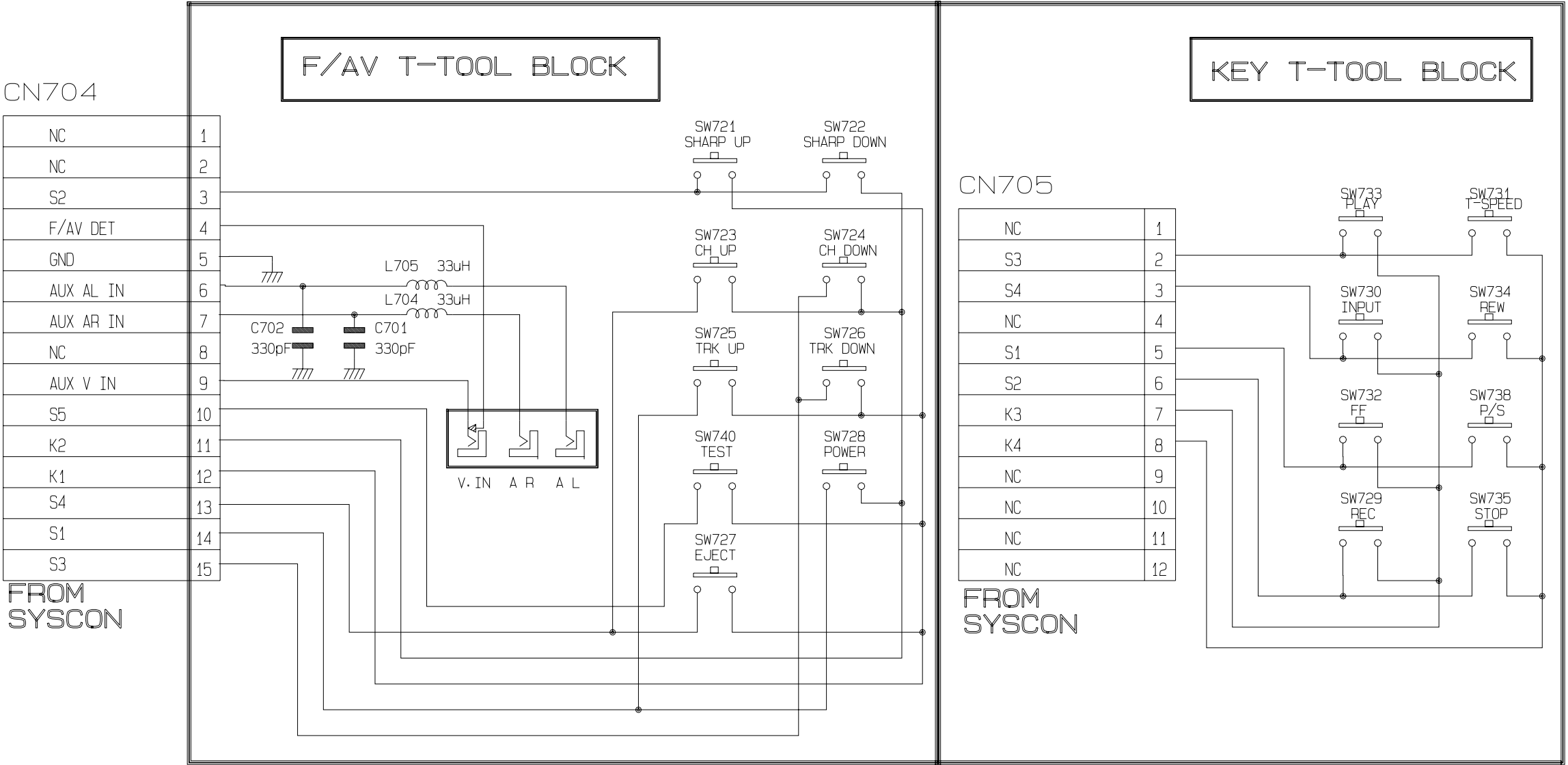
6-9 Input-Output (1 Scart Jack); SVR-750/659 Only



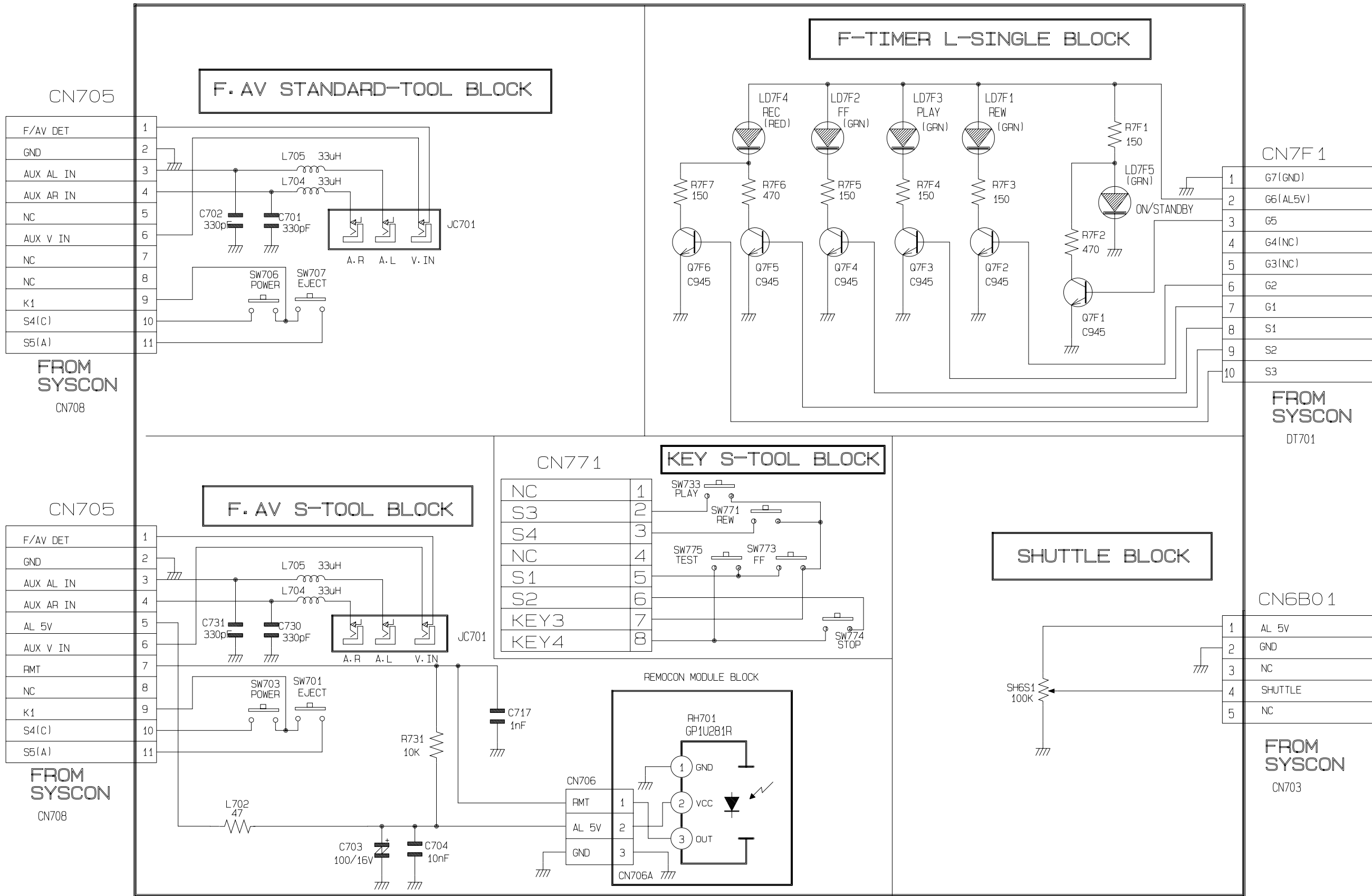
6-10 Input-Output (RCA Jack)



6-11 Sub (SVR-750 Only)



6-12 Sub (Other Models)



MEMO