

3.3 REPLACEMENT OF MEMORY IC

3.3.1 MEMORY IC

This TV uses the following memory IC.

Memory IC: IC702 on MAIN PWB

The memory IC memorizes data for correctly operating the video and deflection circuits. When replacing the memory IC, be sure to use the same type IC written with the initial values of data. In other words, use the specific IC listed in "PRINTED WIRING BOARD PARTS LIST". For its mounting location, refer to "ADJUSTMENT LOCATIONS".

3.3.2 PROCEDURE FOR REPLACING MEMORY IC

1. Power off

Switch the power off and unplug the power cord from the wall outlet.

2. Replacing the memory IC

Replace the memory IC with new one. Be sure to use the memory IC written with the initial data values.

3. Power on

Plug the power cord into the wall outlet and switch the power on.

4. Check and setting of SYSTEM CONSTANT SET:

- (1) Press the [DISPLAY] key and the [PICTURE MODE] key on the remote control unit simultaneously.
The SERVICE MENU screen will be displayed.(See Fig.1.)
- (2) In the SERVICE MENU, press the [DISPLAY] key and [PICTURE MODE] key simultaneously. Then, the SYSTEM CONSTANT SET screen will be displayed.(See Fig.2.)
- (3) Check whether the setting values of the SYSTEM CONSTANT SET are the same as those indicated in Table 1.
If the value is different, select the setting item with the MENU [▲] / [▼] key, and set the correct value with the MENU [◀] / [▶] key.
- (4) Press the [DISPLAY] key twice to return to the normal screen.

5. Receive channel setting

Refer to the **OPERATING INSTRUCTIONS** and set the receive channels (channels preset).

6. User setting

Check the user setting values in Table 2 and Table 3. If setting value is different, set the correct value.

For setting, refer to the **OPERATING INSTRUCTIONS**.

7. Setting of SERVICE MENU

Verify the setting for each setting item in the SERVICE MENU.(See Table 4.) If readjustment is necessary, perform adjustment referring to "ADJUSTMENTS PROCEDURE".

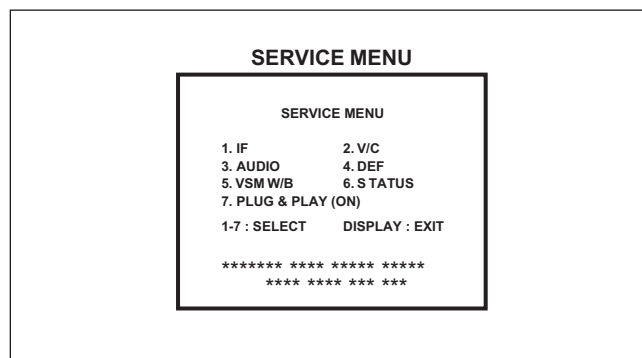


Fig.1

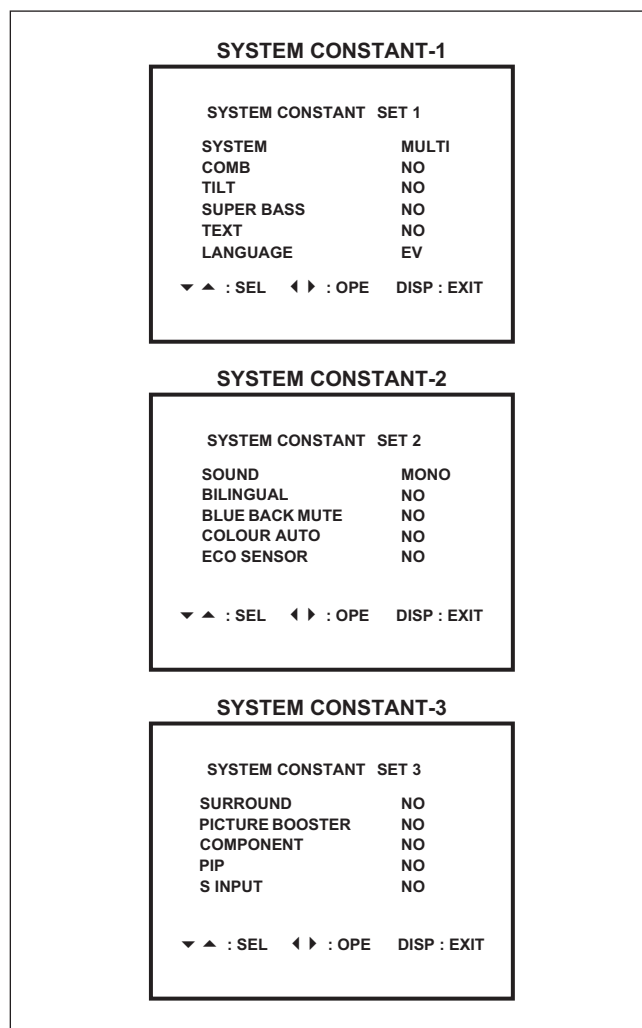
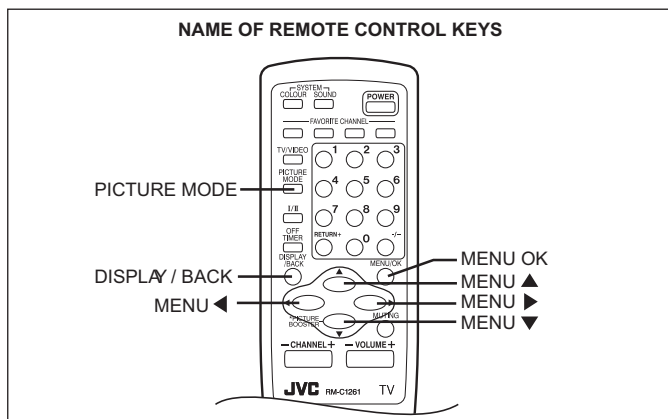


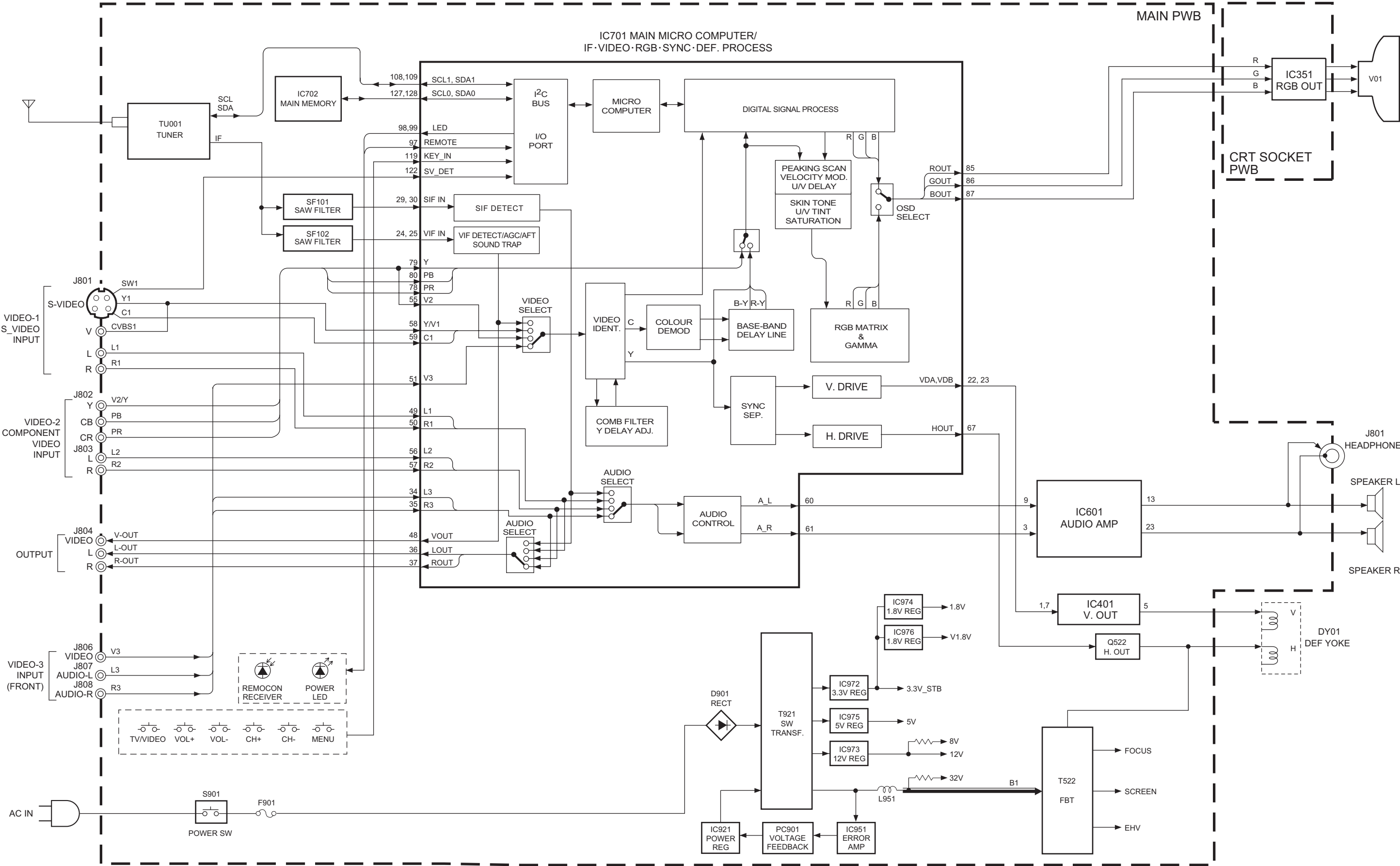
Fig.2



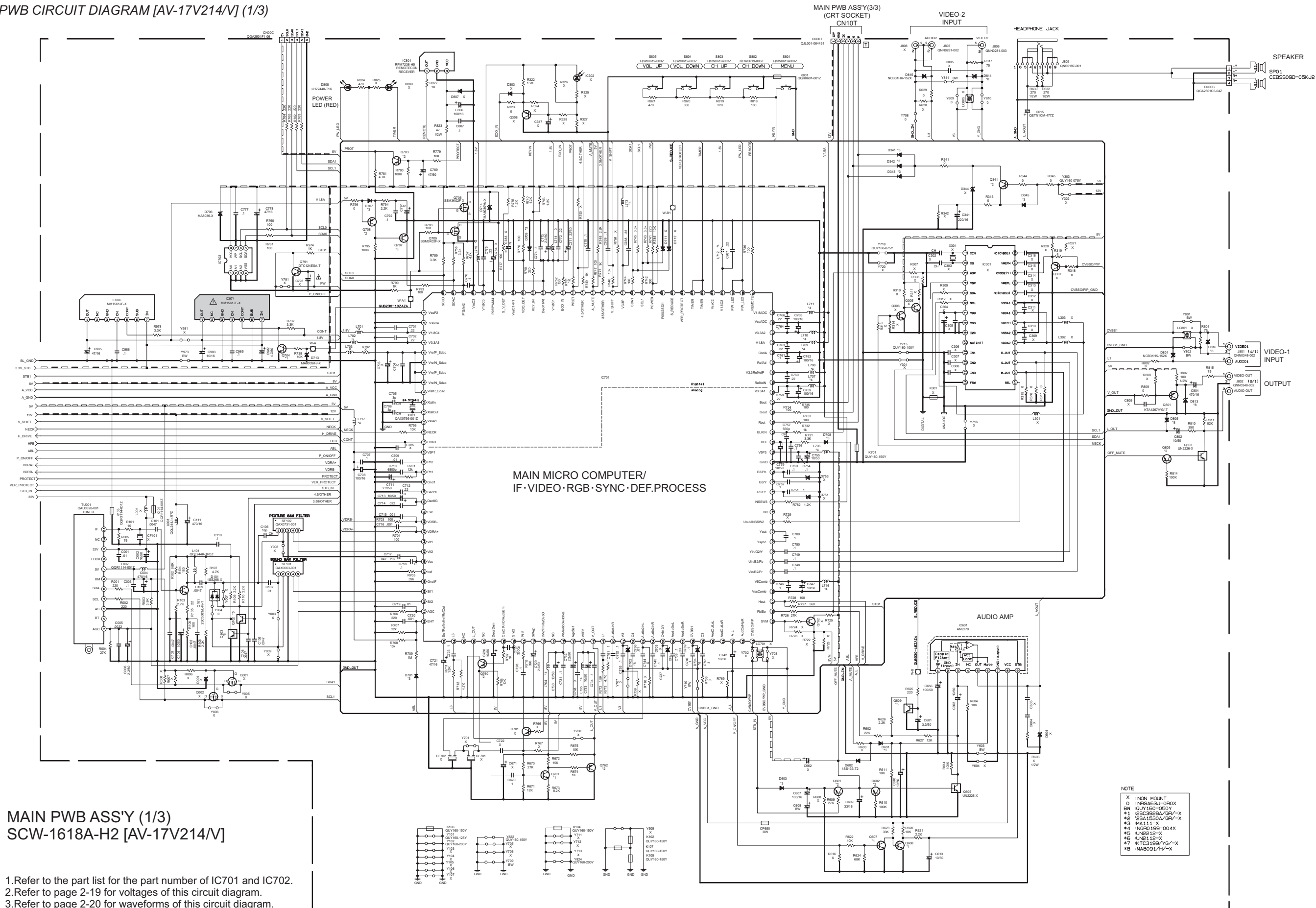
[AV-17V214/V]



2-4(No.YA236)

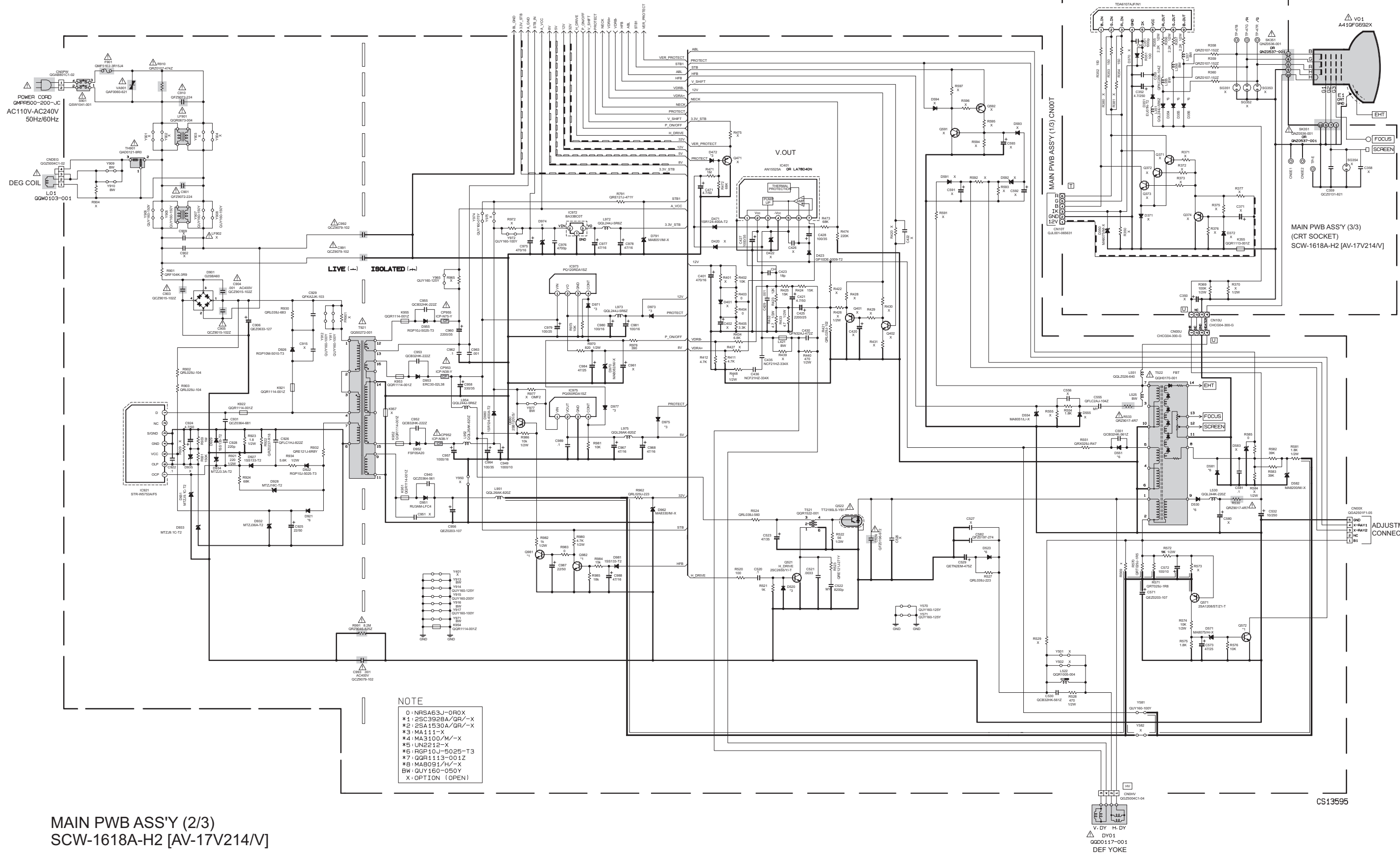


CIRCUIT DIAGRAMS
MAIN PWB CIRCUIT DIAGRAM [AV-17V214/V] (1/3)



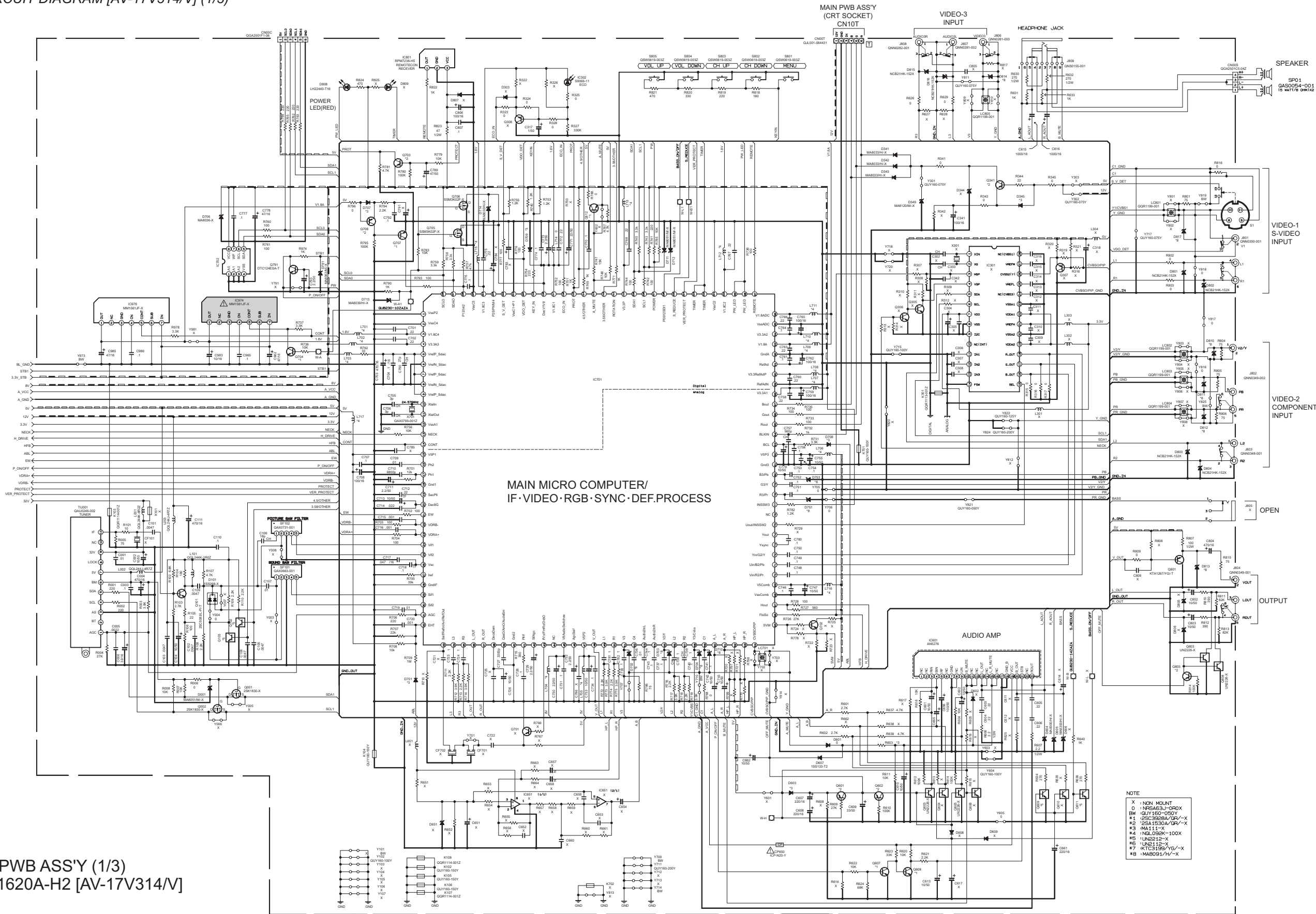
NOTE) 1.Refer to the part list for the part number of IC701 and IC702.
2.Refer to page 2-19 for voltages of this circuit diagram.
3.Refer to page 2-20 for waveforms of this circuit diagram.

MAIN PWB CIRCUIT DIAGRAM [AV-17V214/V] (2/3), (3/3)



NOTE) 1.Refer to page 2-19 for voltages of this circuit diagram.
2.Refer to page 2-20 for waveforms of this circuit diagram.

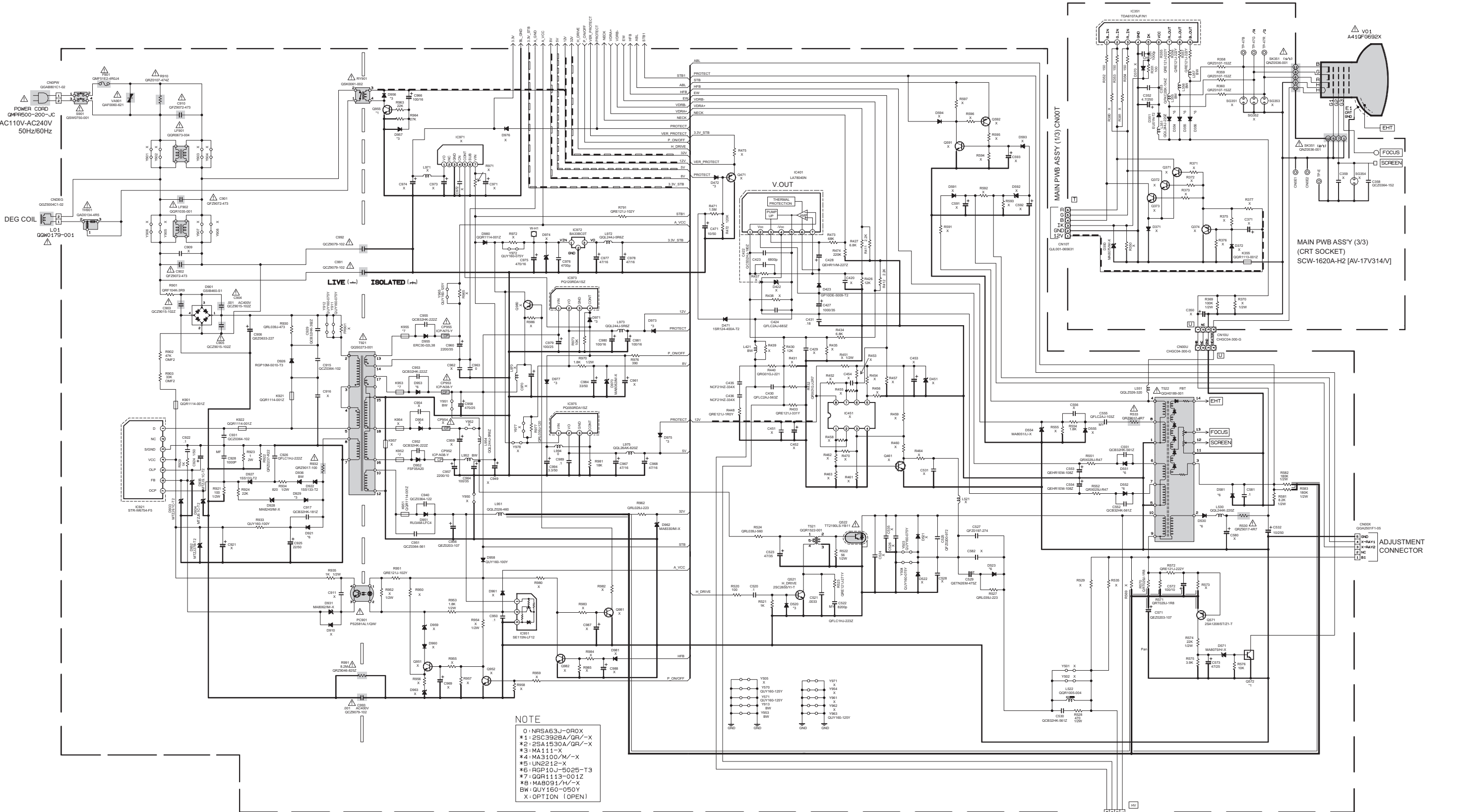
MAIN PWB CIRCUIT DIAGRAM [AV-17V314/V] (1/3)



MAIN PWB ASS'Y (1/3)
SCW-1620A-H2 [AV-17V314/V]

NOTE) 1.Refer to the part list for the part number of IC701 and IC702.
2.Refer to page 2-19 for voltages of this circuit diagram.
3.Refer to page 2-20 for waveforms of this circuit diagram.

MAIN PWB CIRCUIT DIAGRAM [AV-17V314/V] (2/3),(3/3)



MAIN PWB ASS'Y (2/3)
SCW-1620A-H2 [AV-17V314/V]

NOTE) 1.Refer to page 2-19 for voltages of this circuit diagram.
2.Refer to page 2-20 for waveforms of this circuit diagram.

VOLTAGE CHARTS

<MAIN PWB>

PIN NO.	VOLTAGE(V)
IC302	
1	3.2
2	2.5
IC401	
1	0.5
2	13.3
3	-11.9
4	-13.5
5	0.2
6	13.5
7	0.6
IC601	
1	0
2	0
3	23.5
4	0
5	0
6	0
7	11.7
8	2.1
9	0
10	24.8
11	15.8
12	11.7
IC701	
1	0
2	0
3	1.8
4	3.2
5	3.1
6	0.7
7	0
8	0.7
9	0
10	1.5
11	1.5
12	0
13	0.1
14	2.9
15	4.8
16	0.1
17	2.3
18	0
19	0.2
20	2.3
21	0.1
22	0.2
23	0.9
24	2.0
25	0.1
26	2.4
27	1.9
28	0
29	1.9
30	1.9
31	1.7
32	3.3
33	0.3
34	2.2
35	2.2
36	2.7
37	2.7
38	2.2
39	2.4
40	0
41	1.9
42	1.8
43	0.2
44	0.5
45	8.3
46	1.9
47	4.9
48	1.2
49	2.2
50	2.1
51	1.4
52	1.5
53	2.2
54	2.2
55	1.4
56	2.2
57	2.2
58	1.4
59	1.6
60	2.8
61	2.7
62	3.5
63	3.5
64	0.1
65	2.0
66	0.3
67	1.5
68	0
69	0.1
70	1.3

PIN NO.	VOLTAGE(V)
71	0.1
72	1.3
73	1.9
74	1.7
75	0.1
76	0
77	3.2
78	1.3
79	1.2
80	1.2
81	0
82	4.8
83	2.5
84	3.6
85	1.9
86	1.9
87	1.9
88	3.2
89	0
90	3.2
91	1.6
92	0
93	1.8
94	3.2
95	0
96	1.8
97	3.2
98	0.1
99	0.1
100	1.8
101	0
102	3.2
103	3.2
104	0
105	0
106	0
107	0
108	2.2
109	2.8
110	3.2
111	0
112	3.2
113	2.9
114	3.2
115	0
116	2.5
117	1.8
118	1.8
119	3.2
120	0
121	0
122	3.2
123	0
124	1.7
125	0
126	3.2
127	3.2
128	3.1
IC702	
1	0
2	0
3	0
4	0
5	3.1
6	3.1
7	0
8	3.2
IC801	
1	3.2
2	3.2
3	0
IC921	
1	302.6
3	0
4	19.8
5	0.1
6	1.3
7	0.7
IC951	
1	135.4
2	11.7
3	0
IC972	
1	7.2
2	0
3	3.3
IC973	
1	15.6
2	11.9
3	0
4	4.6

PIN NO.	VOLTAGE(V)
IC974	
1	1.8
2	0
3	0
4	0.5
5	2.8
6	0
7	3.2
IC975	
1	7.2
2	4.9
3	0
4	4.7
IC976	
1	1.8
2	0
3	0
4	0.5
5	2.9
6	0
7	3.2
Q101	
E	2.3
C	11.3
B	3.0
Q102	
E	0
C	0
B	3.1
Q103	
E	0
C	0
B	3.1
Q521	
E	0
C	11.0
B	0
Q522	
E	0
C	131
B	-0.1
Q571	
E	135.3
C	0
B	135.0
Q572	
E	0
C	3.2
B	0
Q601	
E	8.2
C	0.2
B	8.3
Q602	
E	0.2
C	-0.1
B	0
Q603	
E	0
C	0
B	-0.1
Q605	
E	0
C	0
B	-0.1
Q607	
E	0
C	0
B	0.7
Q608	
E	0
C	17.5
B	0
Q703	
E	3.2
C	0
B	3.2
Q705	
S	0
G	0.3
D	1.8
Q801	
E	1.9
C	0
B	1.2
Q803	
E	0
C	0
B	-0.4
Q804	
E	0
C	0
B	-0.3

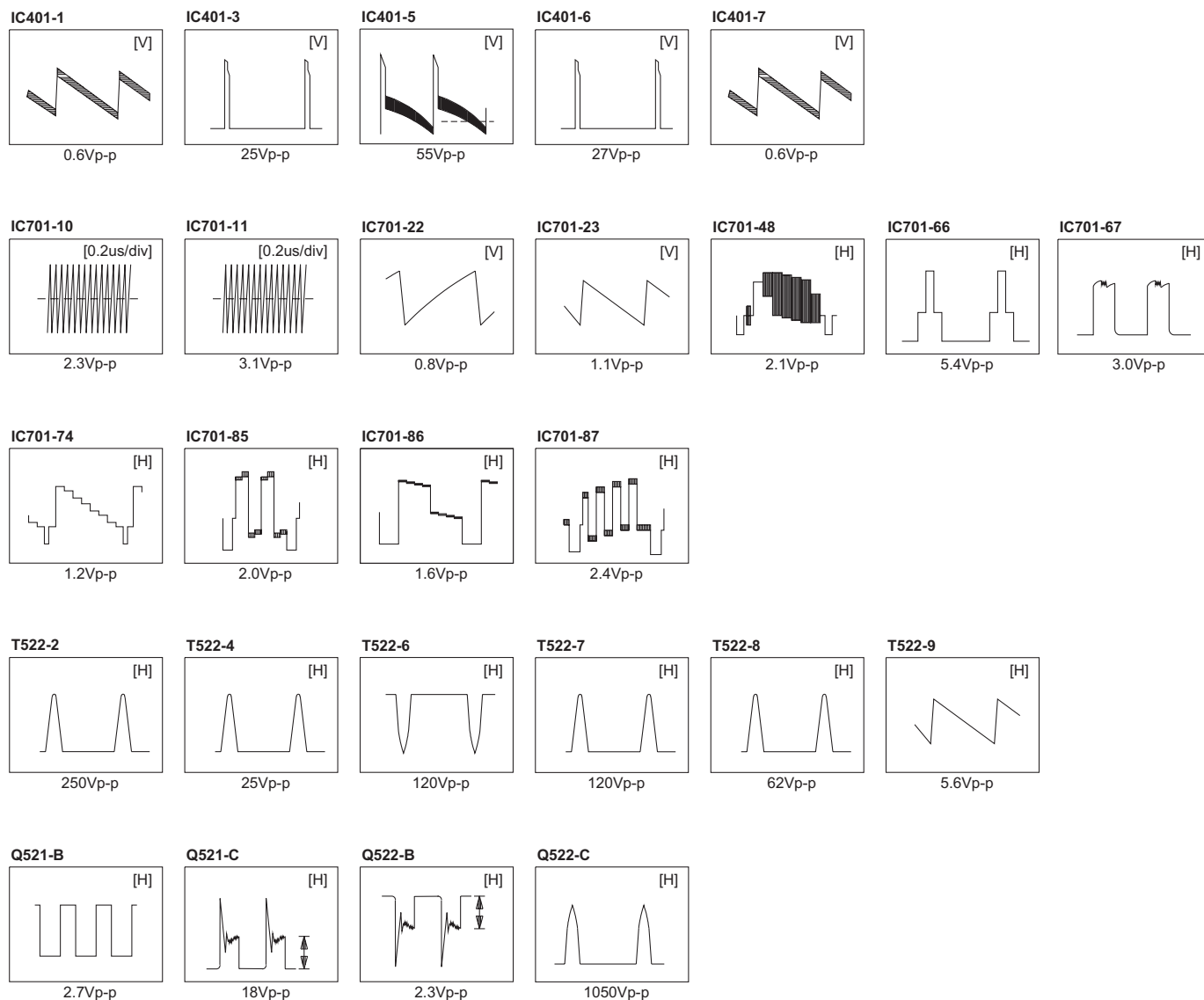
<MAIN PWB (CRT SOCKET)>

PIN NO.	VOLTAGE(V)
Q805	
E	0.2
C	-0.4
B	0
Q955	
E	0
C	11.9
B	0
TU001	
1 (AGC)	1.8
2	3.5
3	0
4	2.3
5	2.3
6	4.9
7	4.8
8	0
9	34.3
11	0

PIN NO.	VOLTAGE(V)
IC351	
1	2.0
2	1.9
3	2.0
4	0
5	4.9
6	211.3
7	132.7
8	134.0
9	132.8

WAVEFORMS

-MAIN PWB-



-CRT SOCKET PWB-

