

JVC

SCHEMATIC DIAGRAMS

LCD FLAT TELEVISION

LT-26WX84/T

CD-ROM No.SML200312

BASIC CHASSIS
SB5



I'Art™ *Palette*
D.I.S.T.
Digital Image Scaling Technology

BBE

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time : H $\Rightarrow$ 20 μ s / div
: V $\Rightarrow$ 5ms / div
: Others $\Rightarrow$ Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 $\rightarrow$ R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3)Coils

- No unit : [μ H]
- Others : As specified

(4)Power Supply

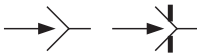
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* Respective voltage values are indicated

(5)Test point

-  : Test point
-  : Only test point display

(6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

- ◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list. When ordering parts, please use the numbers that appear in the Parts List.

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USING P.W. BOARD

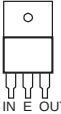
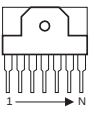
PWB ASS'Y name	LT-26WX84	
RECEIVER P.W. BOARD	LCA90182-01B	SSB-0J086A
VIDEO P.W. BOARD	LCA90152-03C	SSB-1086A
POWER P.W. BOARD	LCA90149-03E	SSB-9086A
REGURATOR P.W. BOARD	LCA90150-03C	SSB-9186A
FRONT SENSOR P.W. BOARD	LCA90155-03B	SSB-0L286A
FRONT CONTROL P.W. BOARD	LCA90154-03D	SSB-0L386A

SEMICONDUCTOR SHAPES

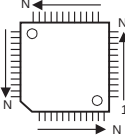
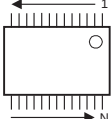
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

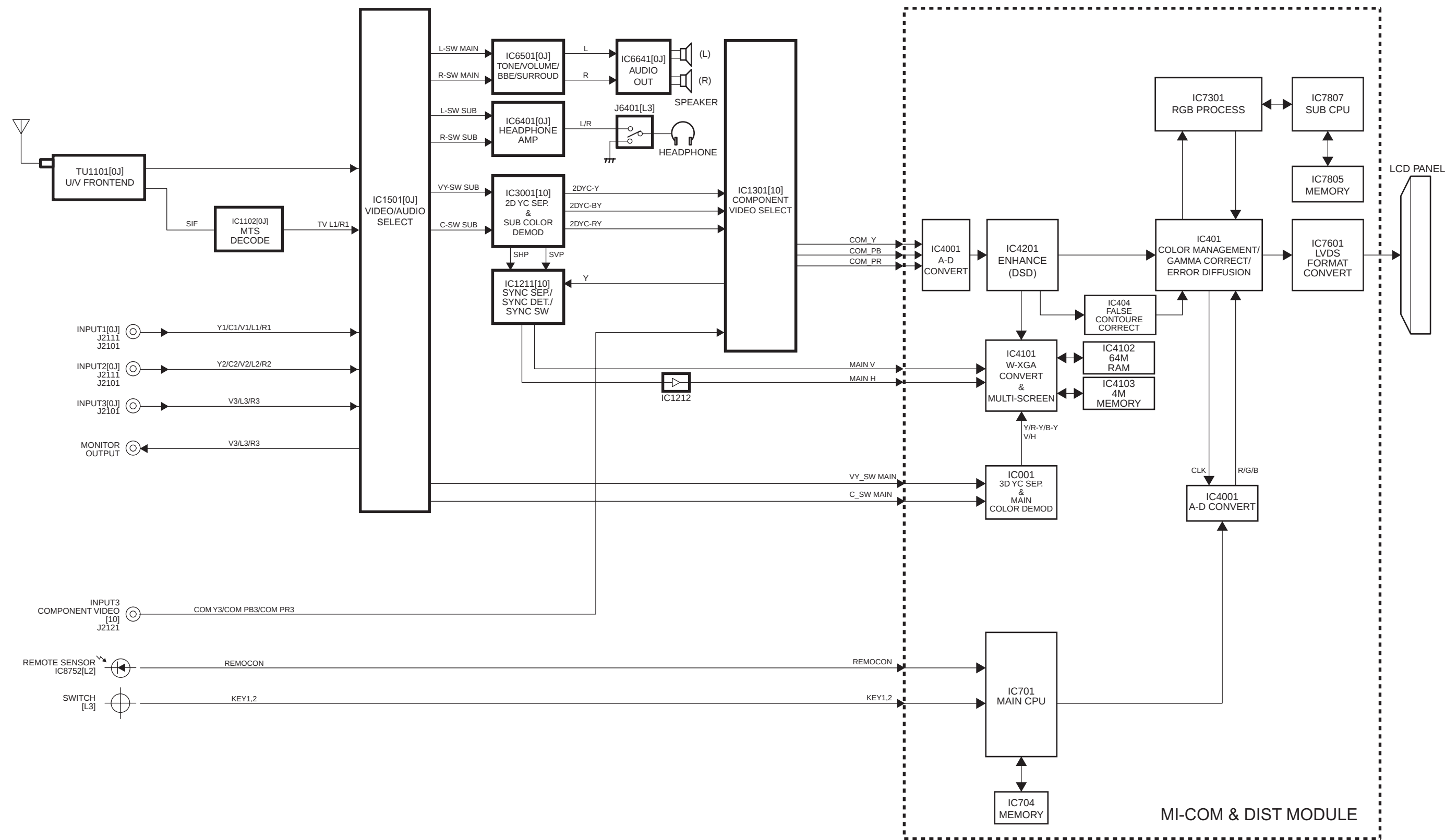
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

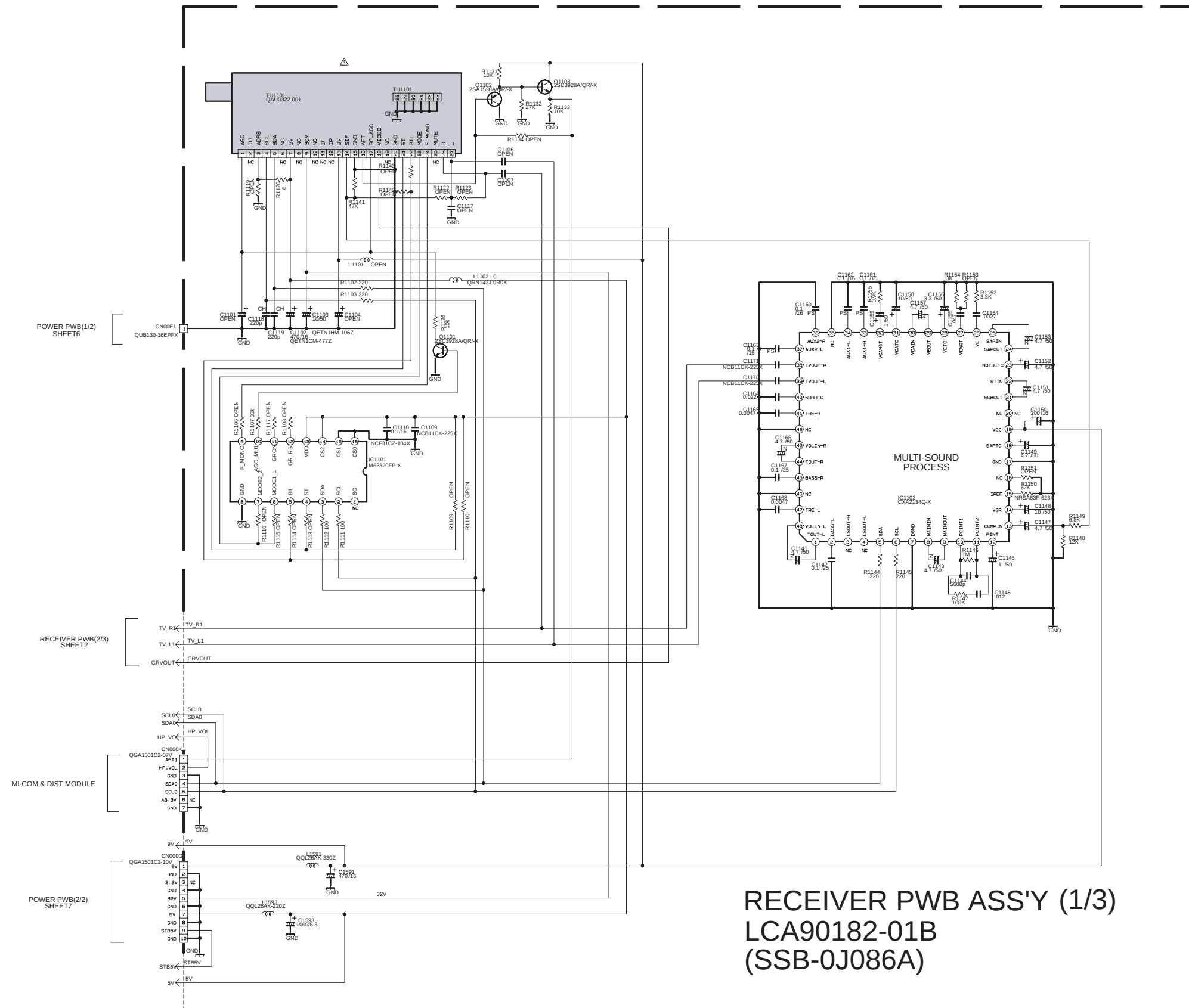
TOP VIEW		
		

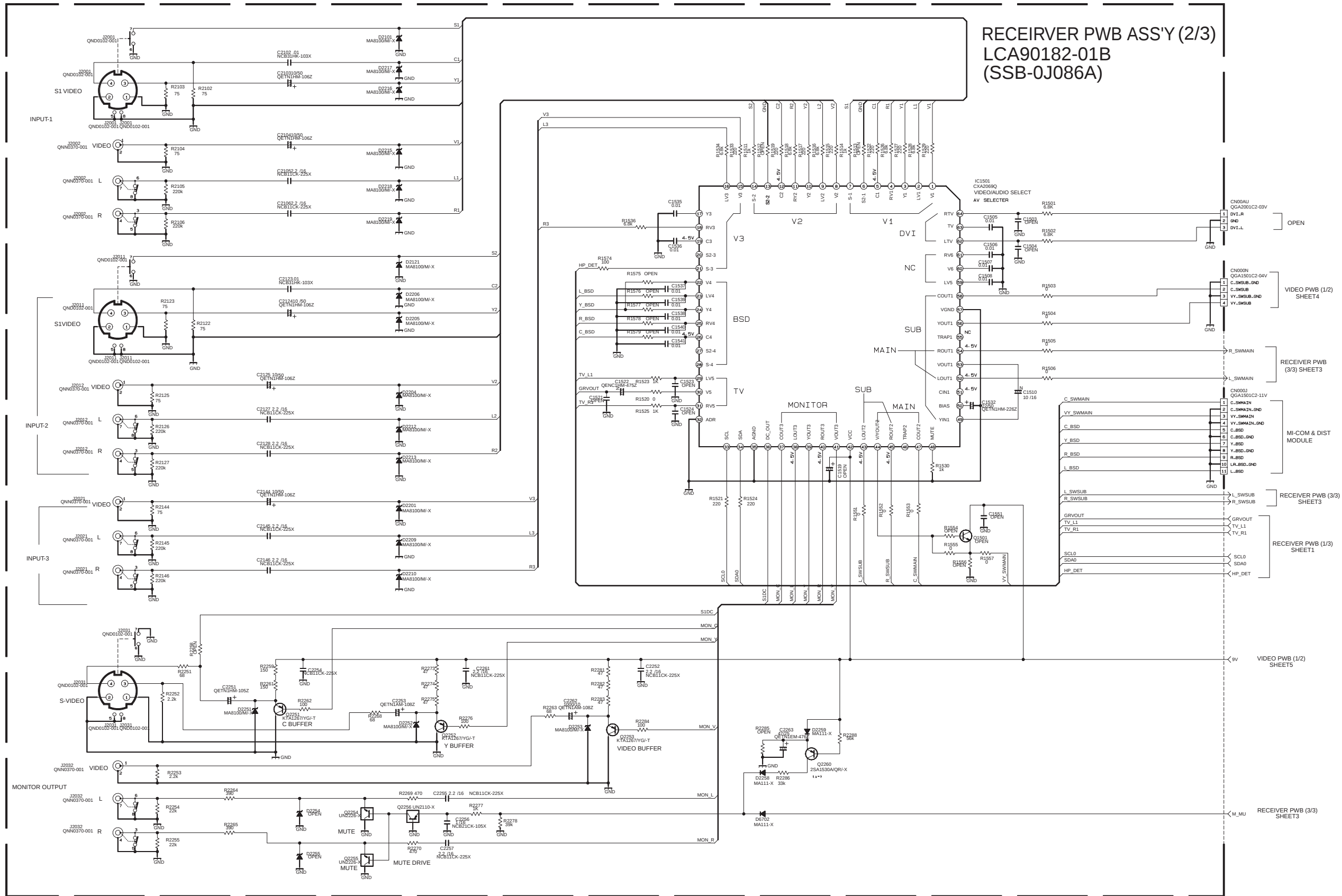
BLOCK DIAGRAM



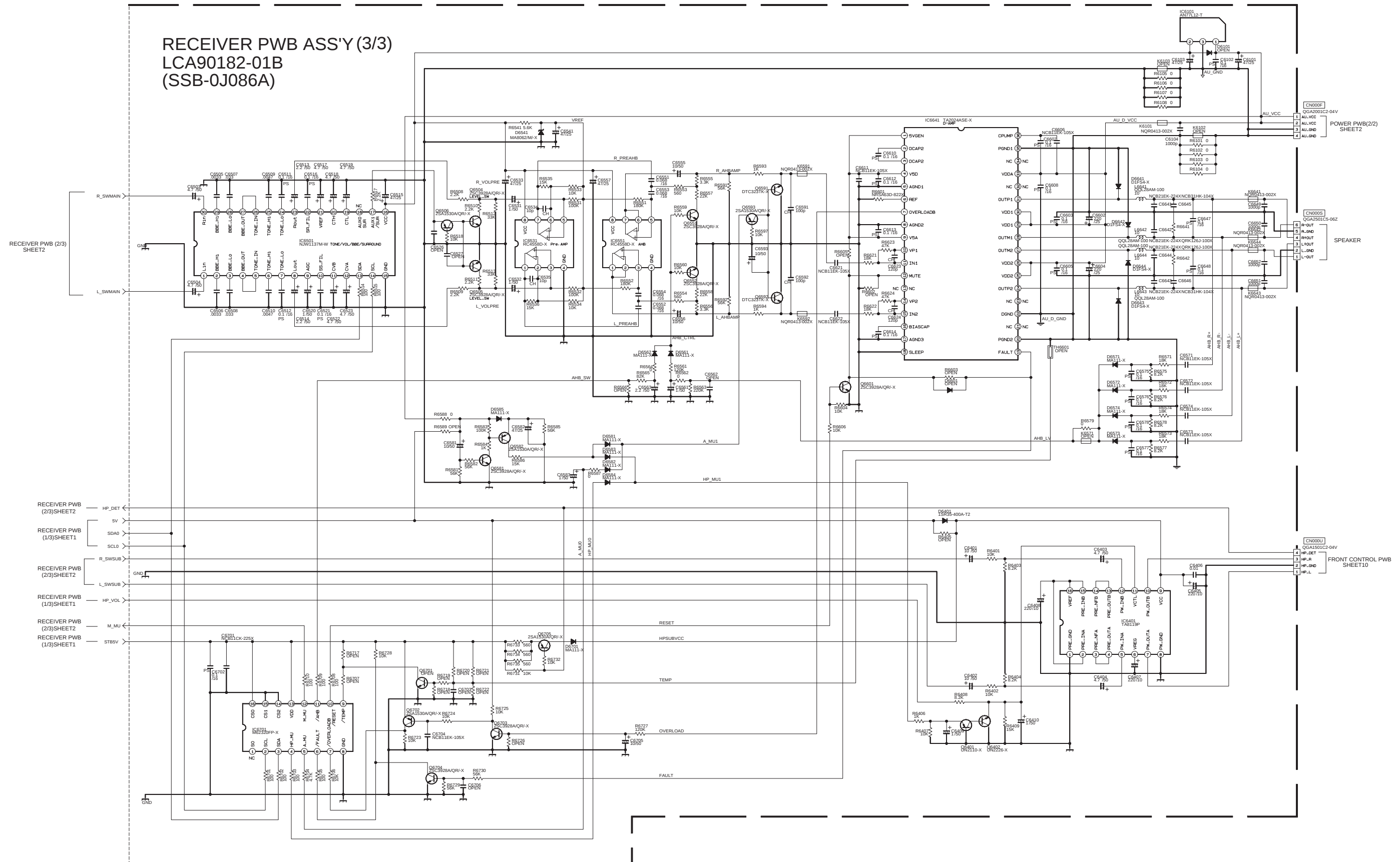
RECEIVER PWB CIRCUIT DIAGRAM (1/3) SHEET1

RECEIVER PWB CIRCUIT DIAGRAM (1/3) SHEET1

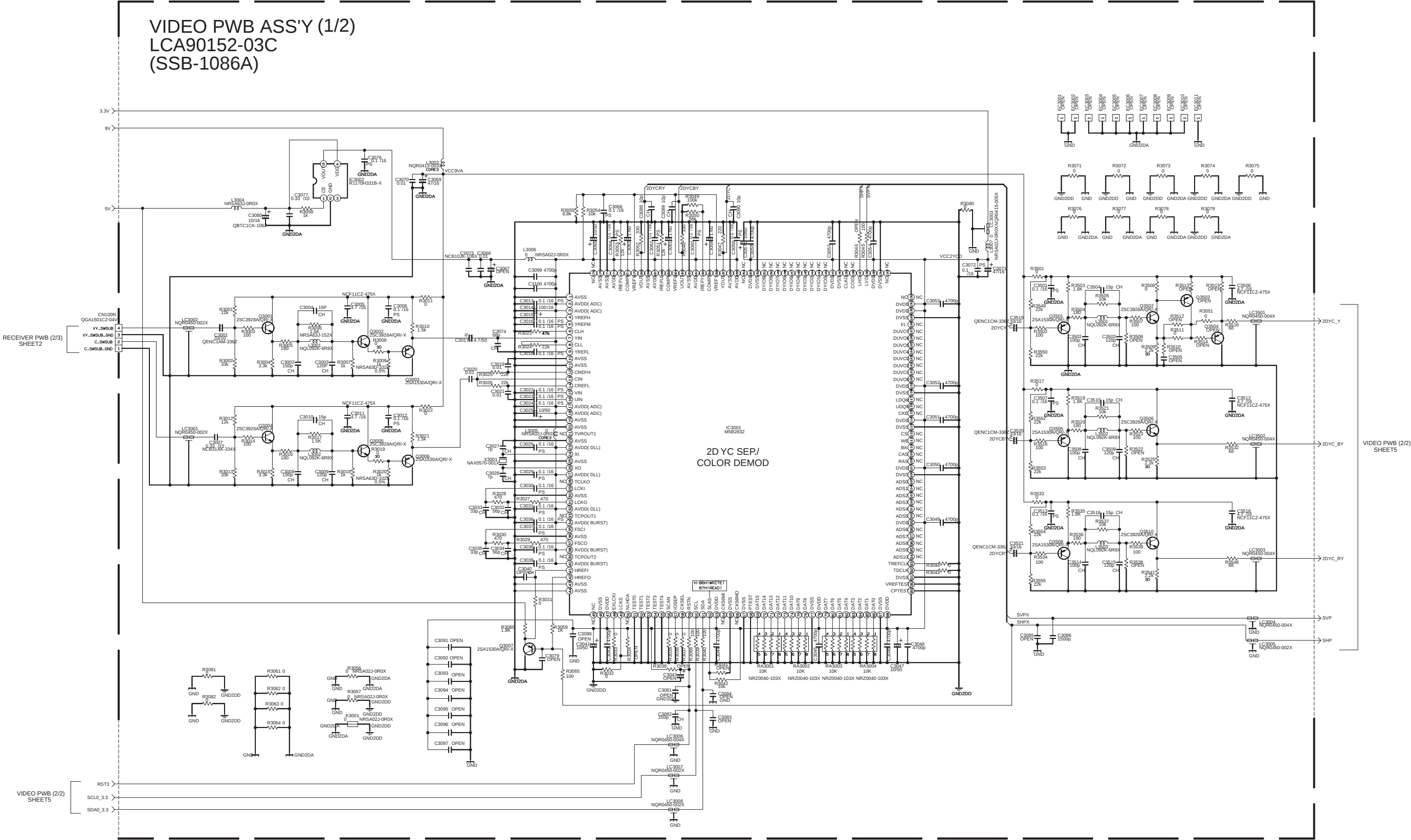


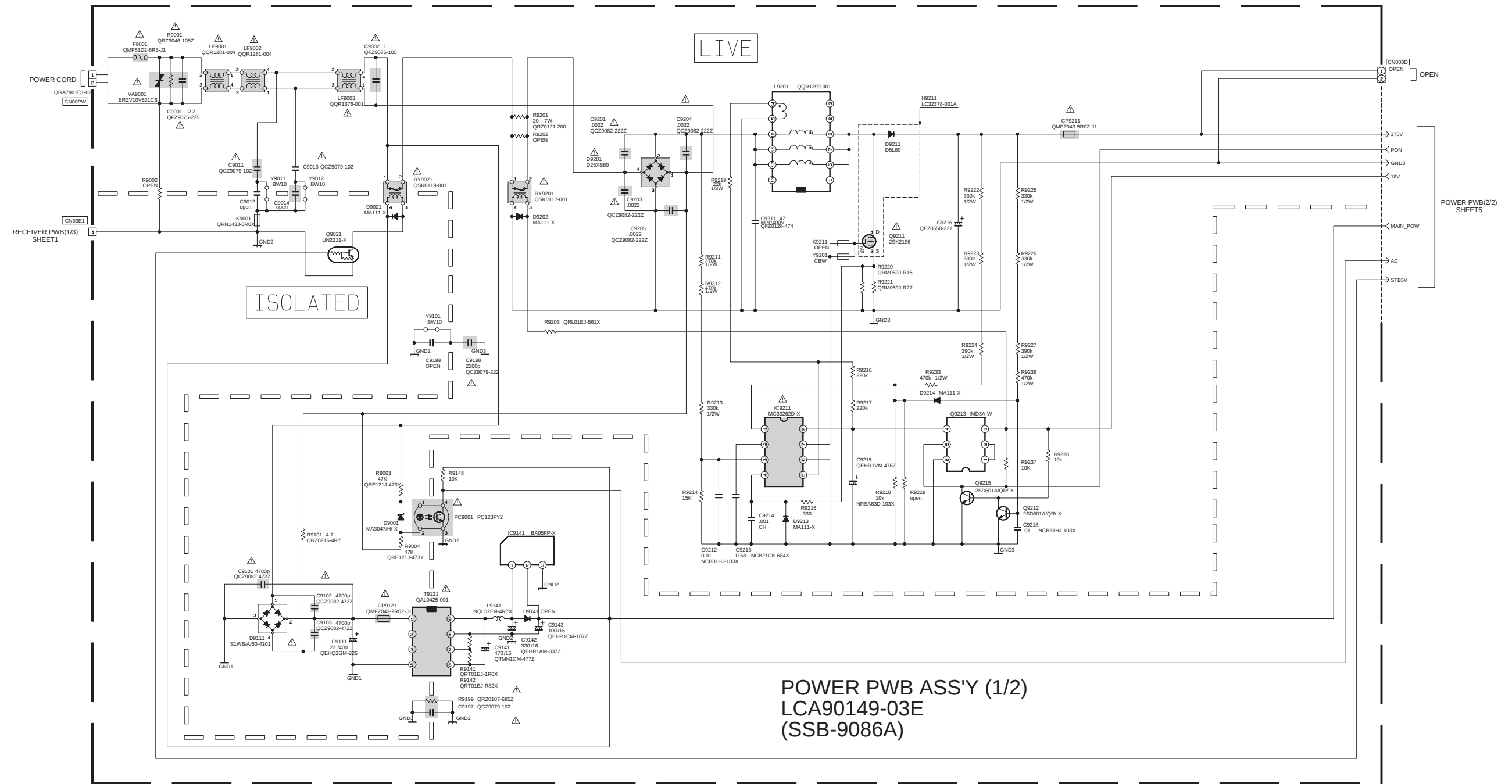


NOTES) 1.Please refer to page 2-35 for voltages of this circuit diagram.
2.Please refer to page 2-36 for waveforms of this circuit diagram.

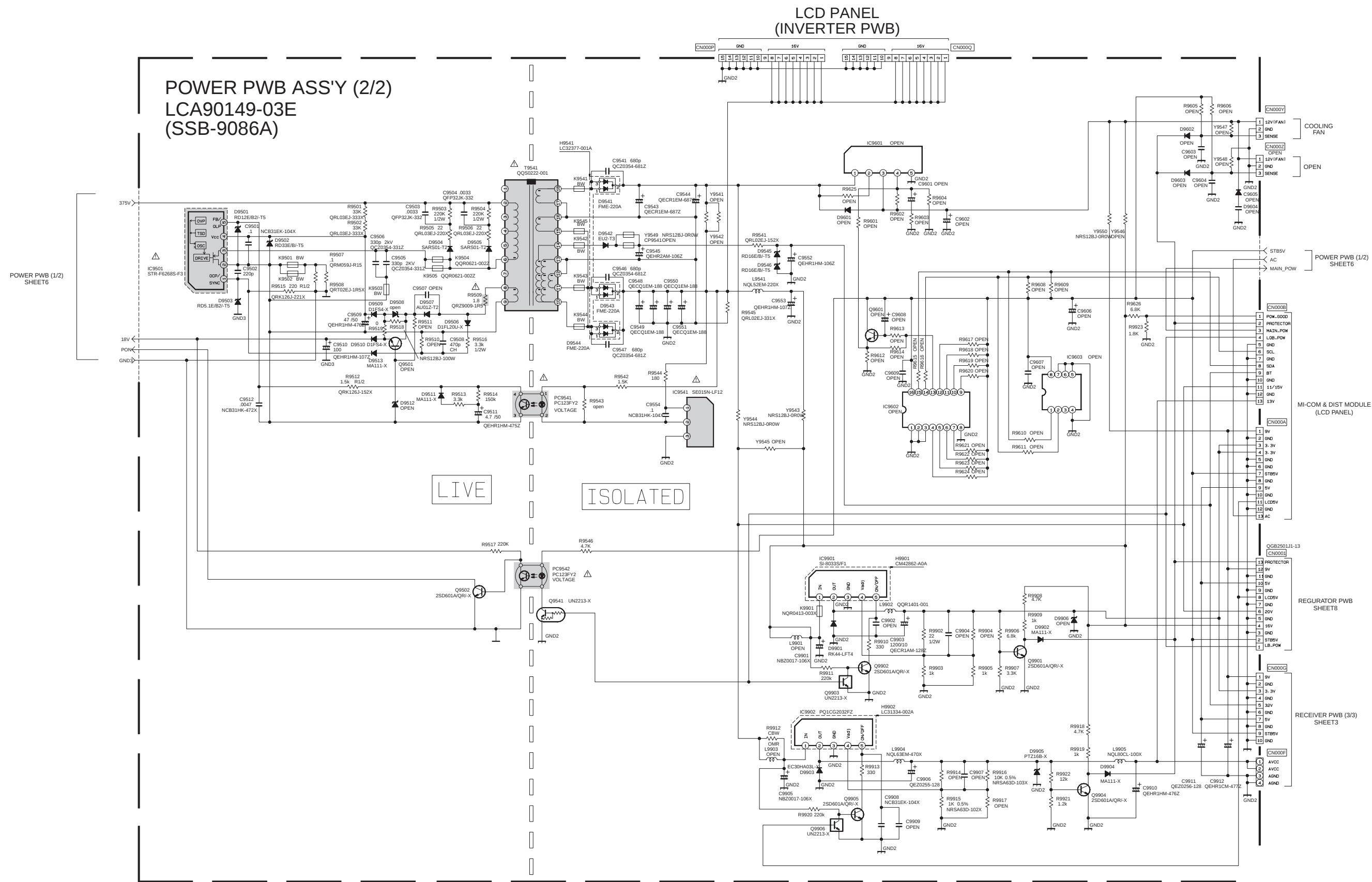


NOTES) 1.Please refer to page 2-36 for waveforms of this circuit diagram.



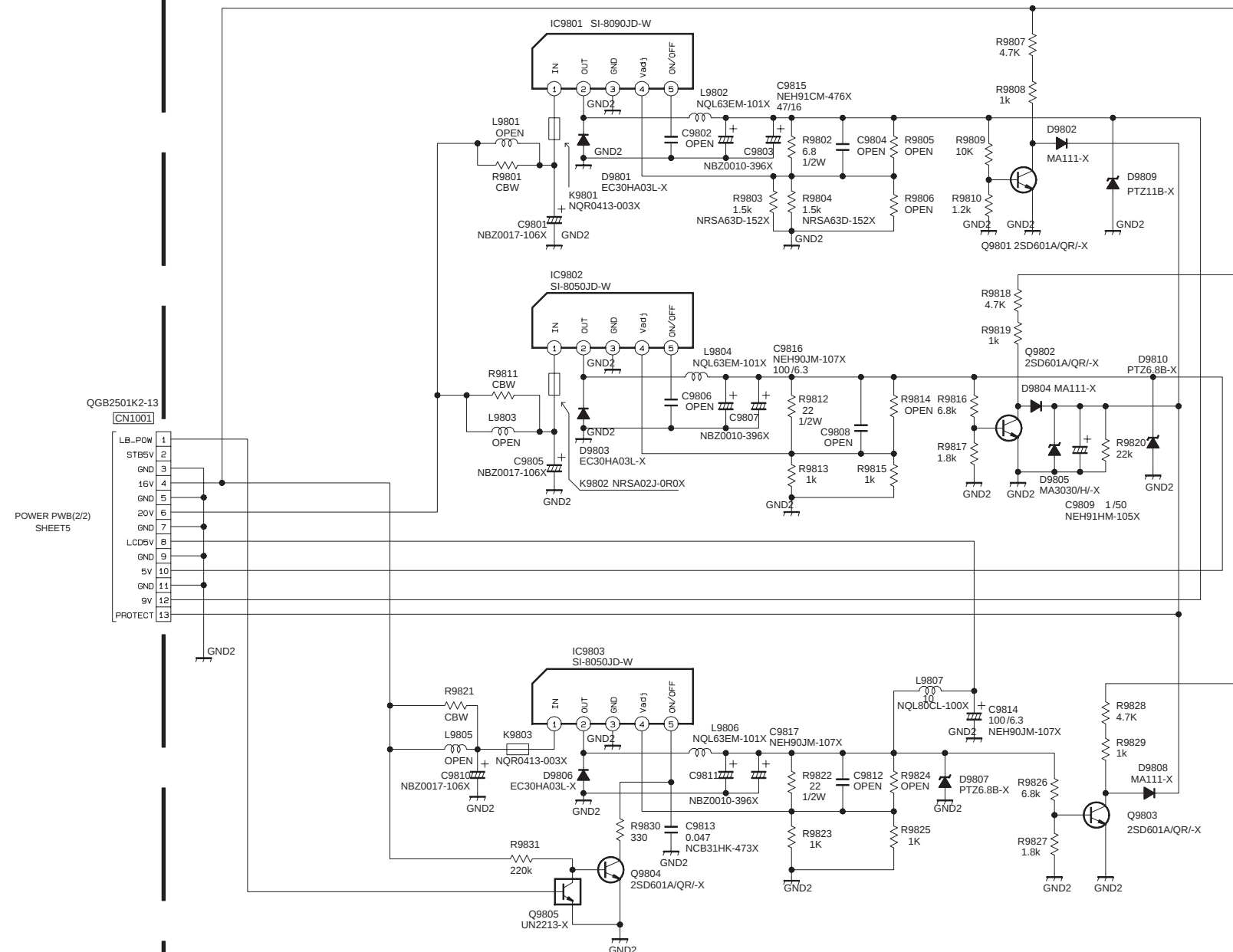


NOTES) 1.Please refer to page 2-35 for voltages of circuit diagram

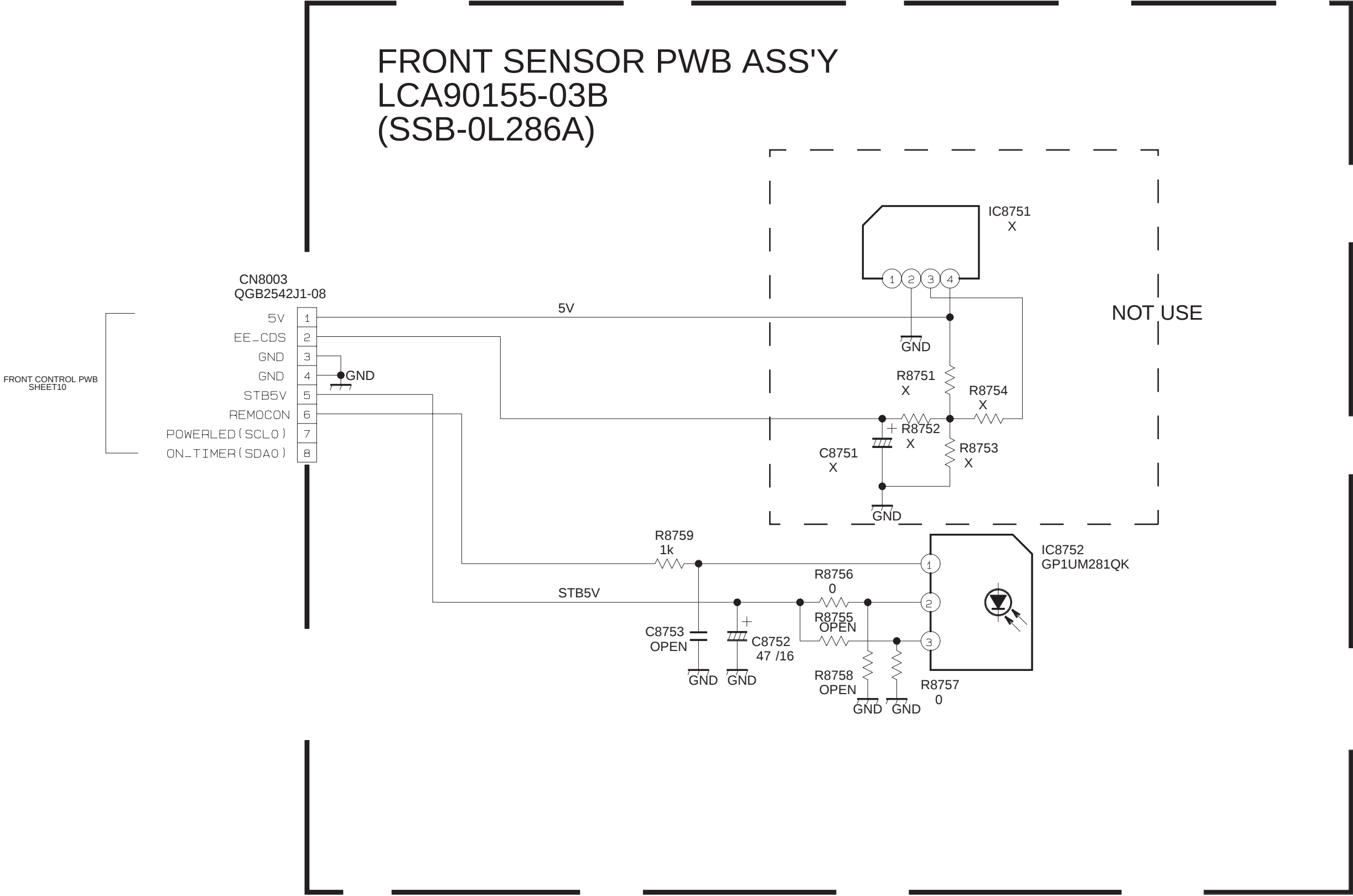


NOTES) 1.Please refer to page 2-35 for voltages of circuit diagram

REGULATOR PWB ASS'Y
LCA90150-03C
(SSB-9186A)

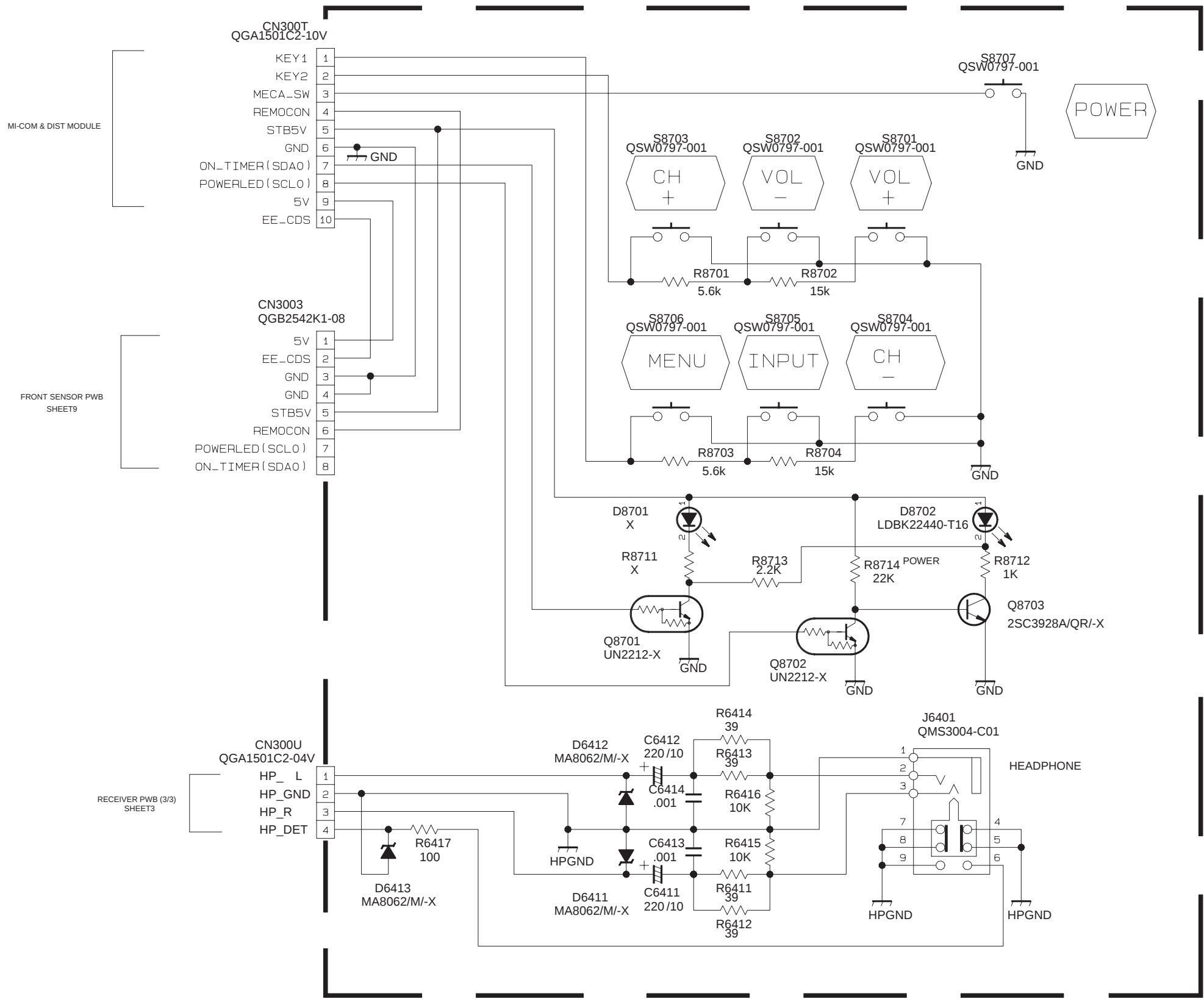


NOTES) 1.Please refer to page 2-35 for voltages of circuit diagram



NOTES) 1.Please refer to page 2-35 for voltages of circuit diagram

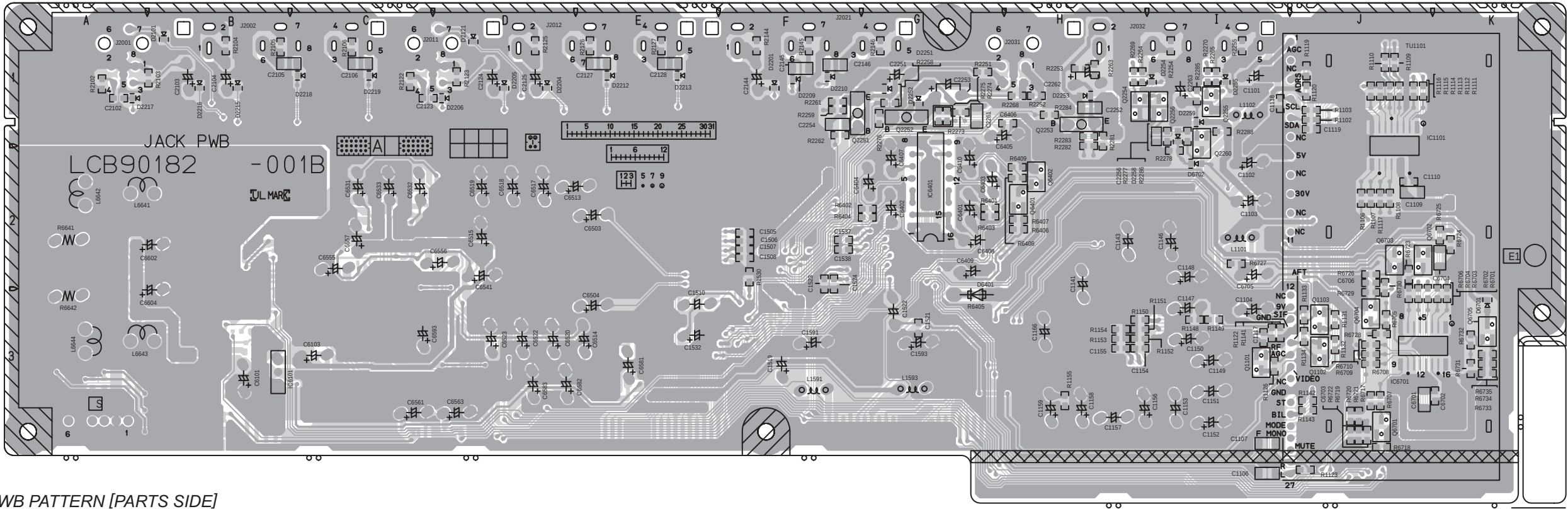
FRONT CONTROL PWB ASS'Y
LCA90154-03D
(SSB-0L386A)



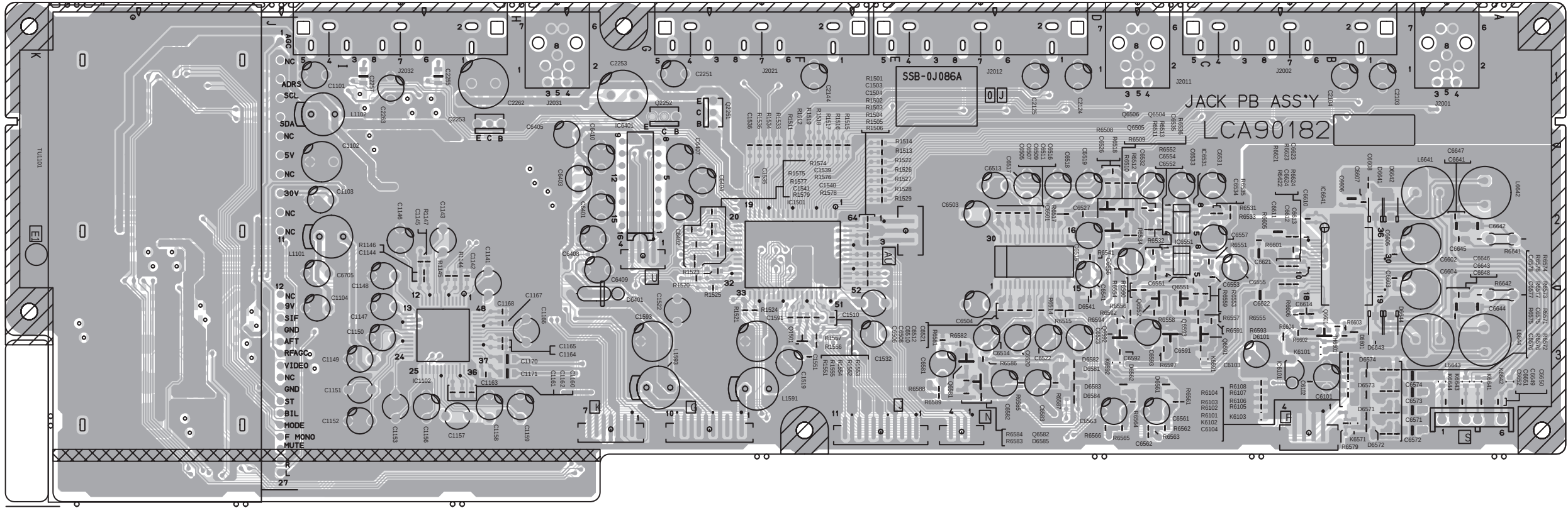
NOTES) 1.Please refer to page 2-35 for voltages of circuit diagram

PATTERN DIAGRAMS
RECEIVER PWB PATTERN [SOLDER SIDE]

TOP
←

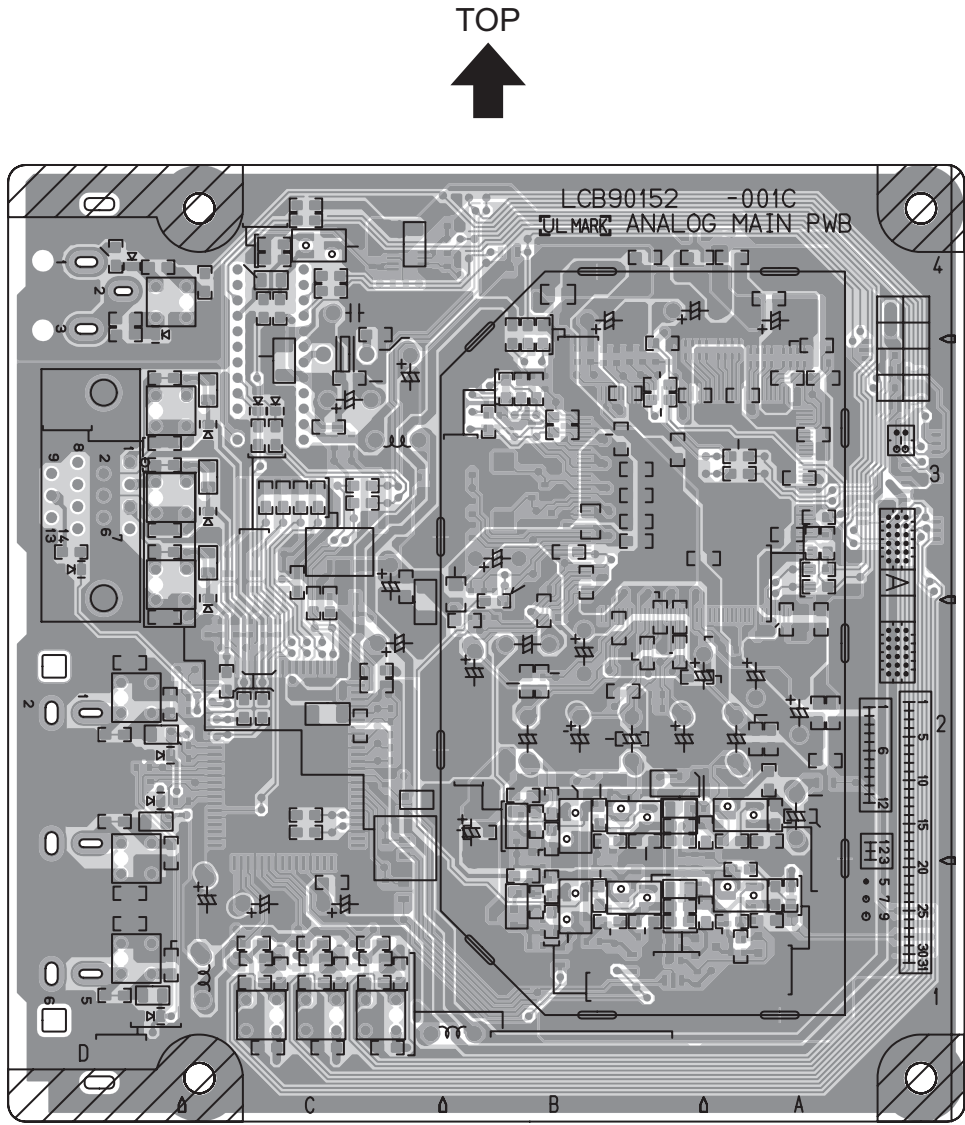


RECEIVER PWB PATTERN [PARTS SIDE]

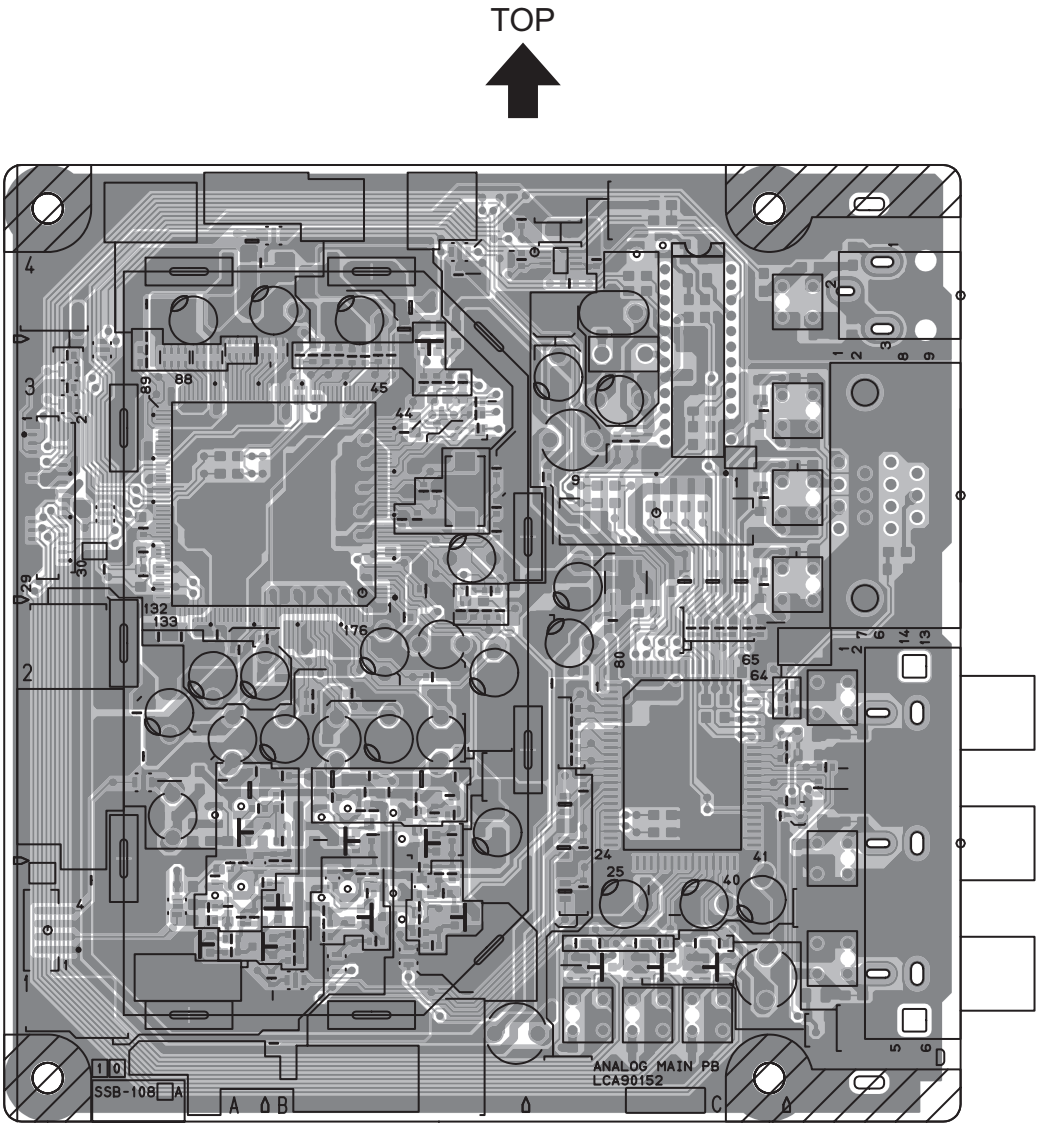


TOP
→

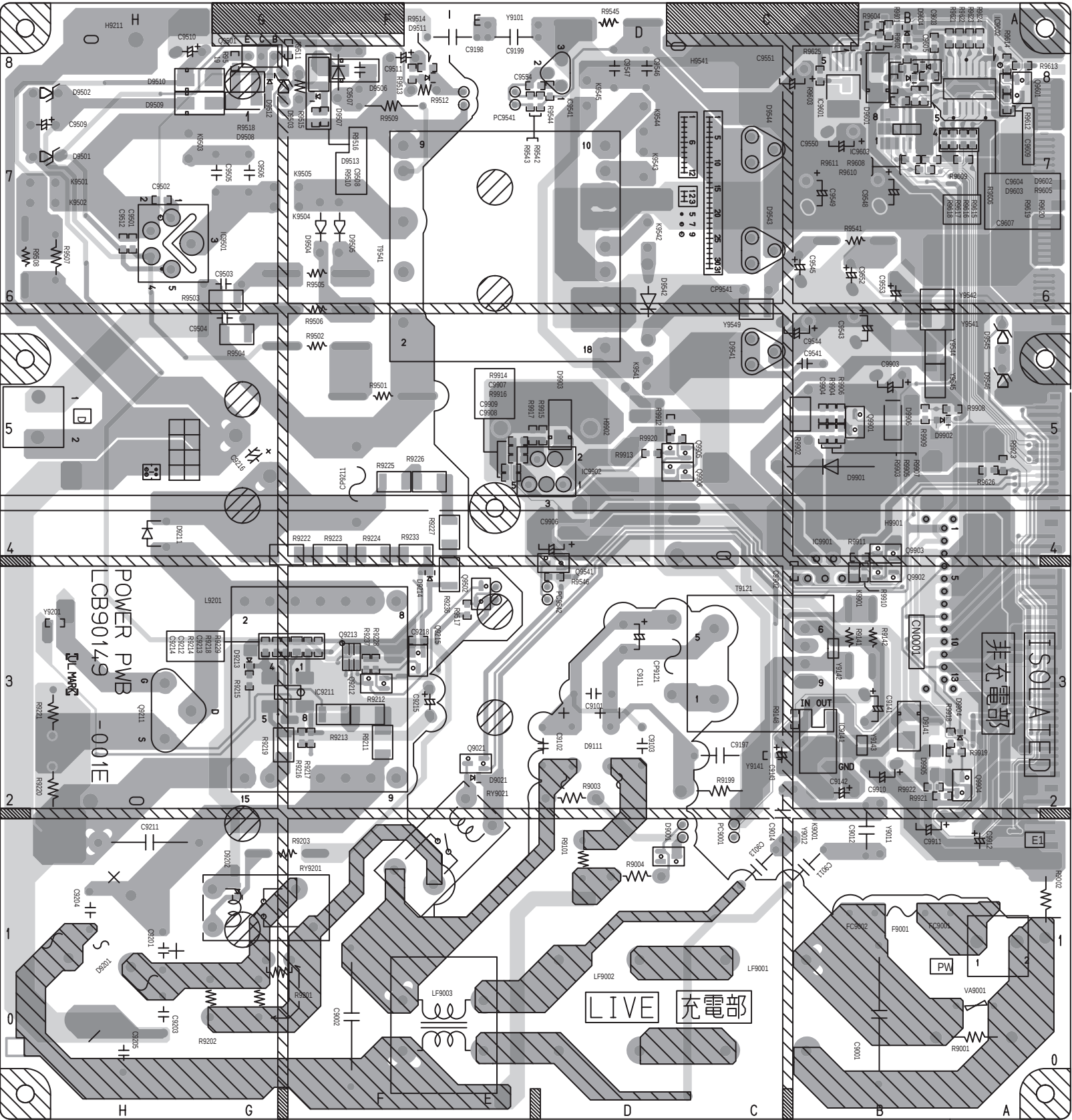
VIDEO PWB PATTERN [SOLDER SIDE]



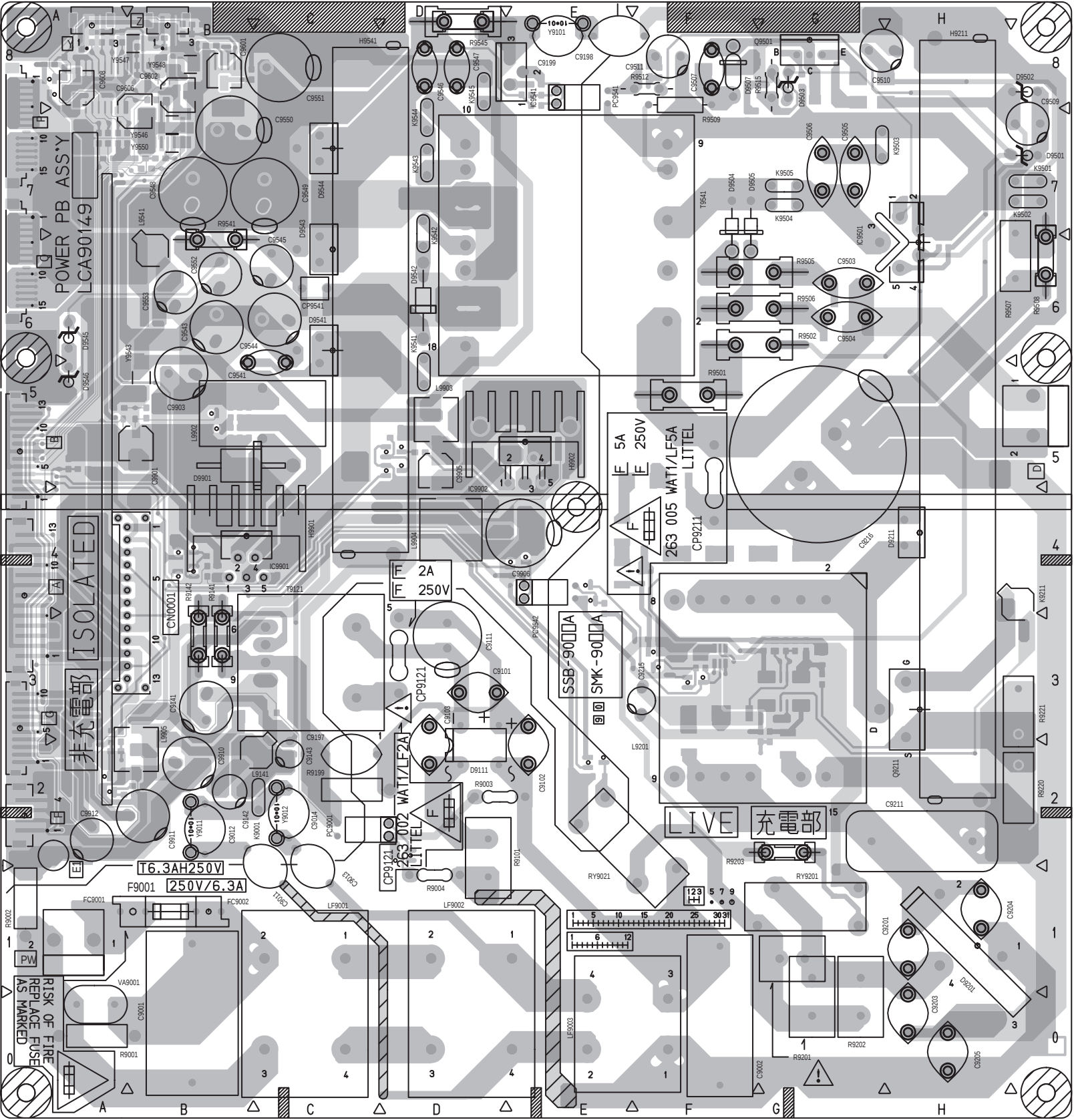
VIDEO PWB PATTERN [PARTS SIDE]



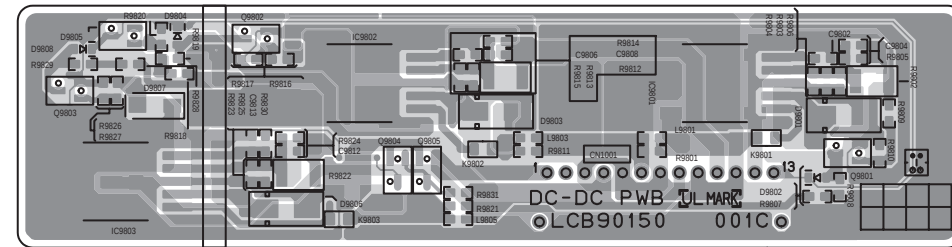
TOP



TOP

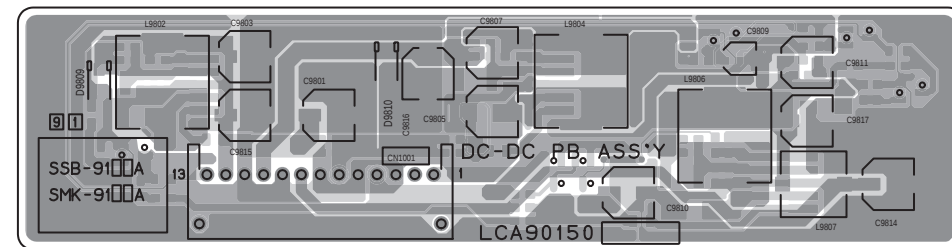


REGURATOR PWB PATTERN [SOLDER SIDE]



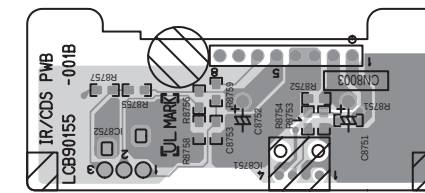
↓
FRONT

REGURATOR PWB PATTERN [PARTS SIDE]



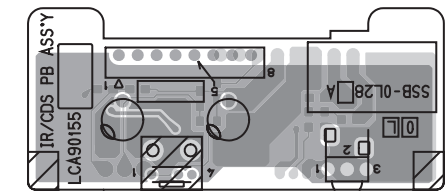
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FRONT

FRONT SENSOR PWB PATTERN [SOLDER SIDE]



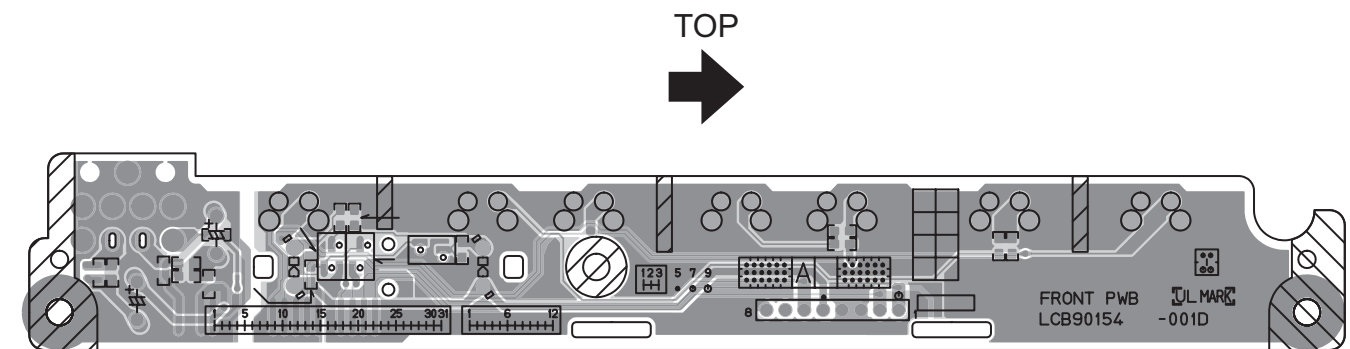
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FRONT

FRONT SENSOR PWB PATTERN [SOLDER SIDE]

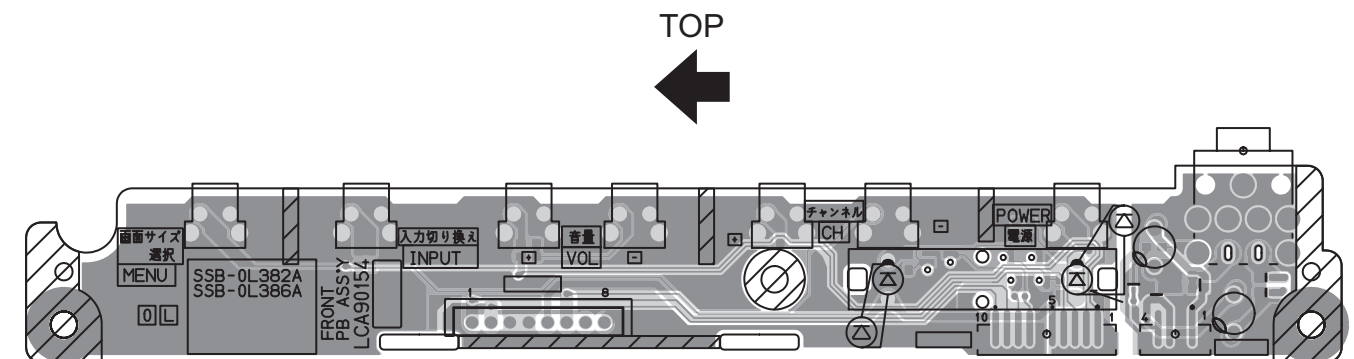


↓
FRONT

FRONT CONTROL PWB PATTERN [SOLDER SIDE]



FRONT CONTROL PWB PATTERN [PARTS SIDE]



VOLTAGE CHARTS

<RECEIVER>
[SHEET1]

MODE PIN NO.	DC (V)
IC1101	
1	0
2	4.2
3	3.0
4	0.5
5	0.5
6	0.5
7	0.5
8	0
9	0.5
10	0
11	0.5
12	0.5
13	5.2
14	5.2
15	0
16	0

IC1102	
1	4.2
2	4.2
3	4.1
4	4.1
5	2.9
6	4.2
7	0
8	4.1
9	0
10	4.1
11	4.0
12	5.3
13	4.1
14	1.3
15	1.3
16	0
17	0
18	3.1
19	9.0
20	0
21	4.1
22	4.1
23	4.2
24	3.9
25	4.1
26	4.0
27	4.1
28	1.7
29	4.1
30	4.1
31	1.7
32	4.0
33	4.1
34	4.1
35	0
36	4.1
37	4.1
38	4.1
39	4.1
40	4.1
41	4.1
42	0
43	4.1
44	0
45	4.2
46	0
47	4.2
48	4.1
Q1101	
E	0
C	4.2
B	0
Q1102	
E	5.4
C	0
B	4.8
Q1103	
E	4.8
C	9.0
B	5.4
TU1101	
1	4.2
2	5.8
3	5.2
4	4.3
5	3.0
6	0
7	5.2
8	0
9	31.9
10	0
11	0
12	0
13	0
14	2.4
15	0
16	4.8
17	4.2
18	2.5

MODE PIN NO.	DC (V)
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
CN000K	
1	4.8
2	0
3	0
4	2.9
5	4.3
6	3.3
7	0

MODE PIN NO.	DC (V)
IC1501	
1	4.3
2	4.5
3	4.0
4	4.4
5	4.4
6	0
7	5.0
8	4.0
9	4.5
10	3.9
11	4.5
12	4.4
13	0
14	5.0
15	3.9
16	4.5
17	3.9
18	4.5
19	4.4
20	0.1
21	5.1
22	3.9
23	4.5
24	4.0
25	4.5
26	4.4
27	0
28	5.0
29	4.5
30	5.5
31	4.4
32	0
33	4.3
34	2.9
35	0
36	0
37	4.4
38	4.5
39	3.7
40	4.5
41	3.7
42	9.0
43	4.5
44	4.3
45	4.5
46	3.7
47	4.4
48	0
49	3.9
50	4.5
51	4.4
52	4.5
53	3.7
54	4.5
55	3.7
56	3.2
57	0
58	4.3
59	4.5
60	3.9
61	4.5
62	4.5
63	3.9
64	4.4
Q2251	
E	5.1
C	0.0
B	4.9
Q2252	
E	4.4
C	0.0
B	3.8
Q2253	
E	4.5
C	0.0

MODE PIN NO.	DC (V)
B	3.8
Q2254	
E	0.0
C	0.0
B	-0.4
Q2255	
E	0.0
C	0.0
B	-0.2
Q2256	
E	0.0
C	-0.2
B	8.9
CN000J	
1	4.4
2	0
3	4.3
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0

MODE PIN NO.	DC (V)
IC6101	
1	11.9
2	0.0
3	13.9
IC6401	
1	0.0
2	2.0
3	1.9
4	1.9
5	2.0
6	3.8
7	1.9
8	0.0
9	4.5
10	1.9
11	0.0
12	1.9
13	2.0
14	1.9
15	1.9
16	1.9
IC6501	
1	5.9
2	6.0
3	6.0
4	5.9
5	5.9
6	6.0
7	5.9
8	6.0
9	0.9
10	6.0
11	3.0
12	2.9
13	4.1
14	4.2
15	0.0
16	11.9
17	4.5
18	0.0
19	5.3
20	5.2
21	5.9
22	6.0
23	6.0
24	6.0
25	6.0
26	6.0
27	6.0
28	6.0
29	6.0
30	6.0
IC6531	
1	6.2
2	6.3
3	6.2
4	0.0
5	6.2
6	6.2
7	6.3
8	11.9
IC6551	
1	6.3
2	6.3

MODE PIN NO.	DC (V)
3	6.2
4	0.0
5	6.2
6	0.0
7	6.3
8	11.9
IC6641	
1	5.1
2	0.0
3	6.9
4	5.1
5	0.0
6	1.0
7	4.3
8	0.0
9	5.1
10	2.4
11	2.3
12	0.0
13	0.0
14	2.4
15	2.4
16	2.4
17	0.0
18	0.0
19	0.0
20	0.0
21	0.0
22	0.0
23	0.0
24	7.0
25	13.9
26	13.9
27	13.9
28	6.9
29	9.6
30	13.9
31	6.9
32	0.0
33	13.9
34	0.0
35	0.0
36	22.1
IC6701	
1	0.0
2	4.5
3	4.2
4	5.2
5	0.0
6	5.4
7	5.4
8	0.0
9	0.1
10	5.3
11	5.4
12	0.0
13	5.4
14	0.0
15	0.0
16	5.5
Q6401	
E	3.5
C	3.4
B	0.0
Q6402	
E	0.0
C	0.0
B	3.5
Q6504	
E	0.0
C	0.0
B	0.6
Q6505	
E	0.0
C	0.0
B	0.0
Q6506	
E	0.8
C	0.6
B	0.2
Q6551	
E	0.0
C	0.0
B	0.5
Q6552	
E	0.0
C	0.0
B	0.5
Q6581	
E	0.0
C	11.8
B	0.0
Q6582	
E	11.4
C	-0.4
B	11.8
Q6591	

MODE PIN NO.	DC (V)
E	0.0
C	0.0
B	-0.7
Q6592	
E	0.0
C	0.0
B	-0.9
Q6593	
E	0.0
C	-0.8
B	0.0
Q6601	
E	0.0
C	0.0
B	0.6
Q6702	
E	5.4
C	5.4
B	4.7
Q6703	
E	0.0
C	0.0
B	0.6
Q6704	
E	0.0
C	5.4
B	0.0
Q6705	
E	5.4
C	0.0
B	5.3

<VIDEO>
[SHEET4]

MODE PIN NO.	DC (V)
IC9211	
1	-42.5
2	-41.5
3	-43.0
4	-42.9
5	-42.0
6	-42.7
7	-30.8
8	-24.1
Q9021	
E	0.0
C	0.3
B	3.2
Q9211	
S	-43.9
D	45.6
G	-30.9
Q9212	
E	0.0
C	-28.4
B	-43.5
Q9213	
1	-44.0
2	-44.0
3	-24.0
4	-24.0
5	-28.4
6	-44.0
Q9215	
E	-42.1
C	-42.0
B	-41.5

MODE PIN NO.	DC (V)
IC1211	
1	0.0
2	0.0
3	0.3
4	0.0
5	0.0
6	6.2
7	4.9
8	8.9
9	1.2
10	0.0
11	0.0
12	0.0
13	0.6
14	0.0
15	0.0
16	4.2
17	4.1
18	4.4
19	2.2
20	1.3
21	2.2
22	0.3
23	0.0
24	0.0
IC1212	
1	3.2
2	3.2
3	0.2
4	0.0
5	0.5
6	0.5
7	3.2
8	3.2
IC1301	
1	5.0
2	4.1
3	4.4
4	0.0
5	4.6
6	0.0
7	4.7
8	0.0
9	4.6
10	0.0
11	4.4
12	4.4
13	0.0
14	4.6
15	0.0
16	4.6
17	0.0
18	4.6
19	0.0
20	4.4
21	4.4
22	0.0
23	4.5
24	4.4
25	0.0
26	4.5

[SHEET5]

MODE PIN NO.	DC (V)
27	4.5
28	0.0
29	0.0
30	4.5
31	8.9
32	4.5
33	4.5
34	0.0
35	4.4
36	4.4
37	0.0
38	4.4
39	4.4
40	4.4
41	4.4
42	0.0
43	4.3
44	4.3
45	0.0
46	4.3
47	8.9
48	4.7
49	0.0
50	4.6
51	0.0
52	4.6
53	0.0
54	4.5
55	4.5
56	0.0
57	4.6
58	0.0
59	4.6
60	0.0
61	0.0
62	0.5
63	4.4
64	4.4
65	0.0
66	4.6
67	4.6
68	4.6
69	0.0
70	4.4
71	4.4
72	0.0
73	5.0
74	4.6
75	4.6
76	4.6
77	0.0
78	4.5
79	4.5
80	0.0
Q1232	
E	2.8
C	0.0
B	2.2
Q1301	
E	3.6
C	8.9
B	4.3
Q1302	
E	3.7
C	8.9
B	4.4
Q1303	
E	3.6
C	8.9
B	4.3
CN100H	
1	0
2	0
3	0.3
4	2.9
5	0
6	2.7
7	3.6
8	0
9	3.7
10	3.2
11	5.1
12	0
13	3.3
14	5.1
15	9.0
16	8.9
17	5.1
18	3.3
19	0
20	5.1
21	3.2
22	3.7
23	0
24	3.7
25	2.7
26	0.2

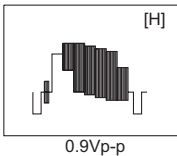
MODE PIN NO.	DC (V)
27	2.9
28	0.3
29	0
30	0
CN10AQ	
1	1.1
2	0
3	1.2
4	0
5	1.4
6	0
7	0
8	0
9	0

WAVE FORMS

—RECIEVER PWB—

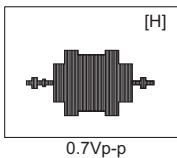
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TU1101-18

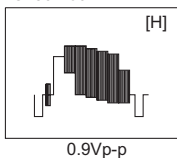


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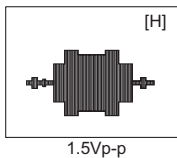
IC1501-5



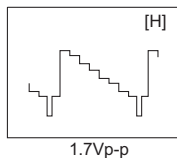
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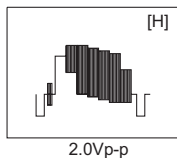
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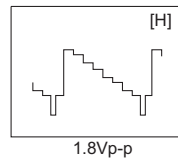
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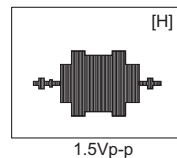
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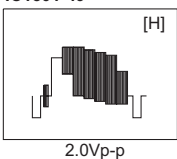
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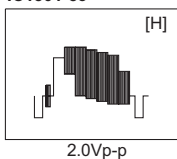
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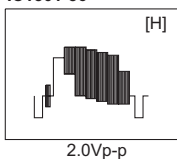
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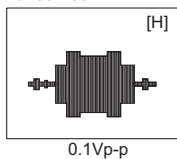
IC1501-53



IC1501-56



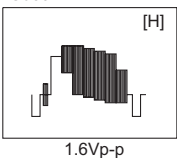
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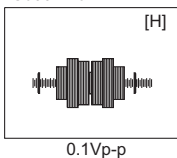
—VIDEO PWB—

[SHEET4]

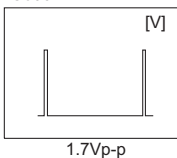
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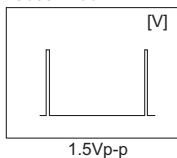
IC3001-13



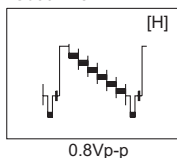
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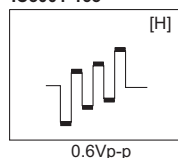
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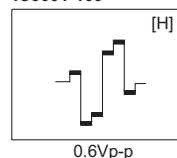
IC3001-157



IC3001-163

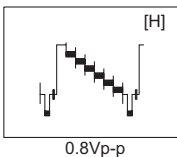


IC3001-169

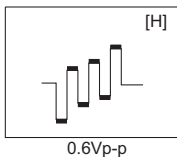


[SHEET5]

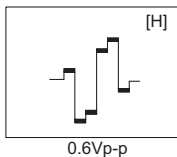
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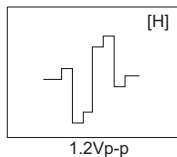
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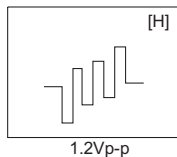
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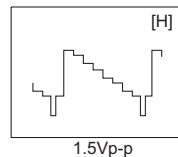
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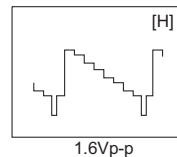
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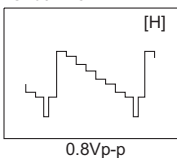
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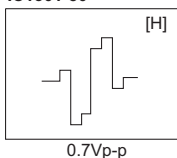
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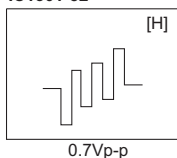
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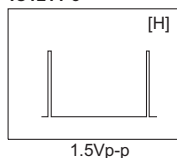
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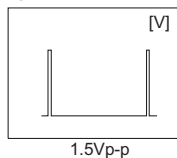
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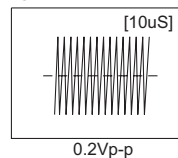
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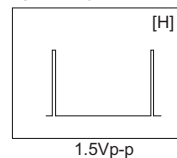
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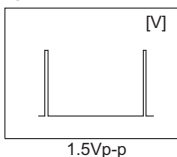
IC1211-7



IC1211-13



IC1211-22





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