

JVC

SCHEMATIC DIAGRAMS

REAR PROJECTION TELEVISION

HD-52G456, HD-55G456, HD-55G466, HD-61Z456

CD-ROM No.SML200510

BASIC CHASSIS

RP3



[HD-52G456]

HD-ILA™
Powered by D-ILA

D.I.S.T.
Digital Image Scaling Technology

HDTV

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

DCR

DOLBY
DIGITAL

HD-52G456, HD-55G456, HD-55G466, HD-61Z456

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle 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 : R209 \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



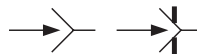
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* 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 : (\perp) side GND and the ISOLATED(NEUTRAL) : (\downarrow) 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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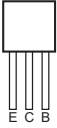
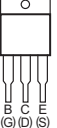
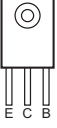

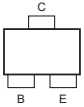
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USING P.W. BOARD


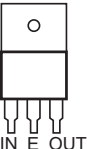
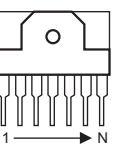
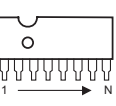
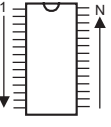
P.W.B ASS'Y name	HD-52G456	HD-55G456	HD-55G466	HD-61Z456
ANALOG SIGNAL P.W. BOARD	SRP-1025A-M2			
REGULATOR P.W. BOARD	SRP-2025A-M2			
MAIN DRIVE P.W. BOARD	SRP-3013A-M2			
REMOTE SENSOR P.W. BOARD	SRP-8005A-M2			
FAN CONTROL P.W. BOARD	SRP-8109A-M2			
TEMP SENSOR P.W. BOARD	SRP-8209A-M2			
SD CARD P.W. BOARD	SRP-8513A-M2			
POWER P.W. BOARD	SRP-9025A-M2			
DIGITAL SIGNAL P.W. BOARD	SRP0D034A-M2	SRP0D033A-M2	SRP0D045A-M2	SRP0D032A-M2
REAR JACK P.W. BOARD	SRP0J024A-M2			
SIDE CONTROL P.W. BOARD	SRP0L021A-M2			
FRONT LED P.W. BOARD	SRP0L121A-M2			
LAMP COVER SW P.W. BOARD	SRP0L205A-M2			
RECEIVER P.W. BOARD	SRP0R024A-M2			

SEMICONDUCTOR SHAPES

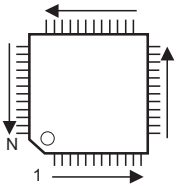
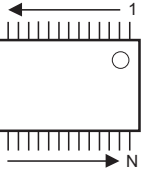
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

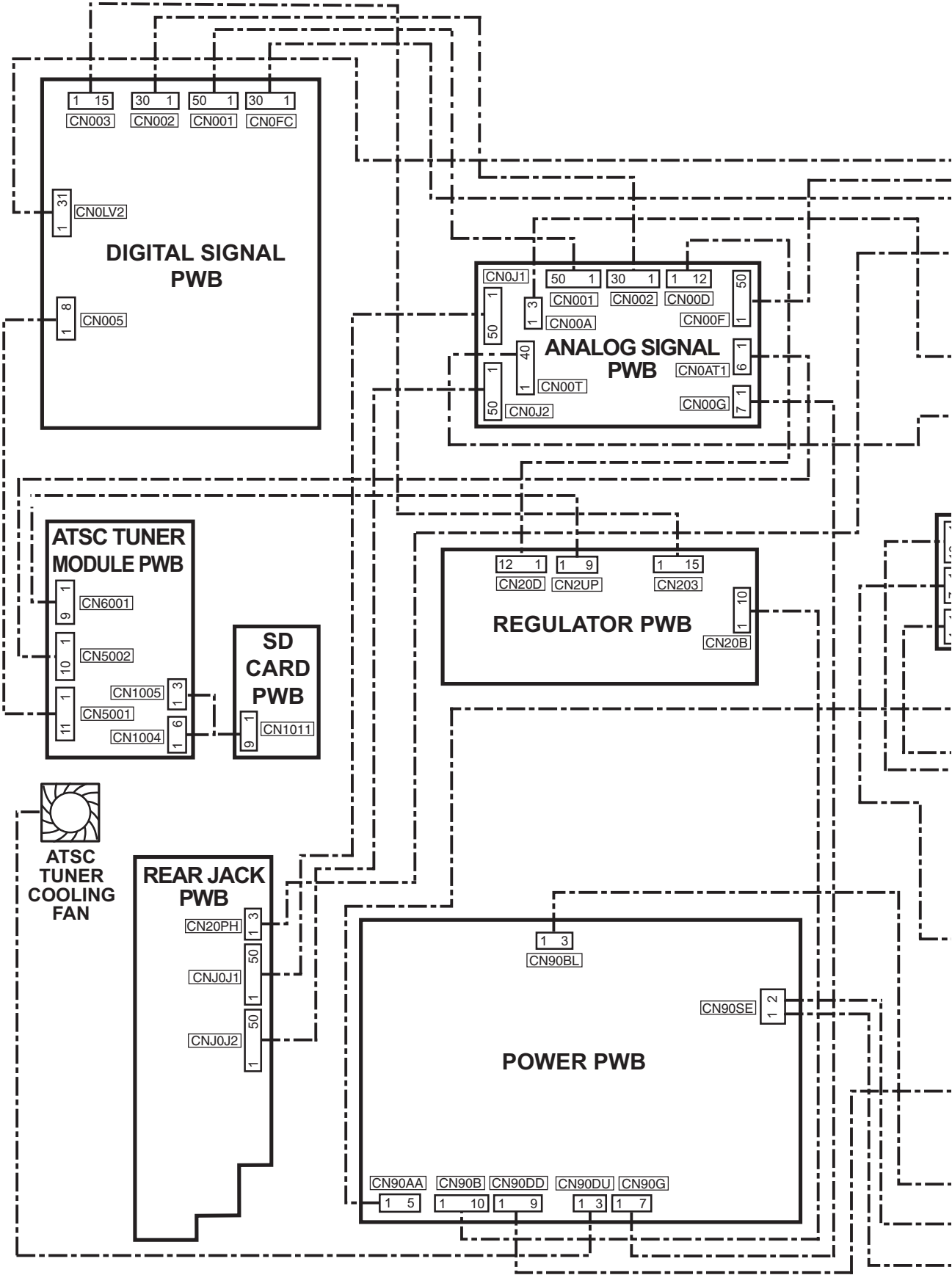
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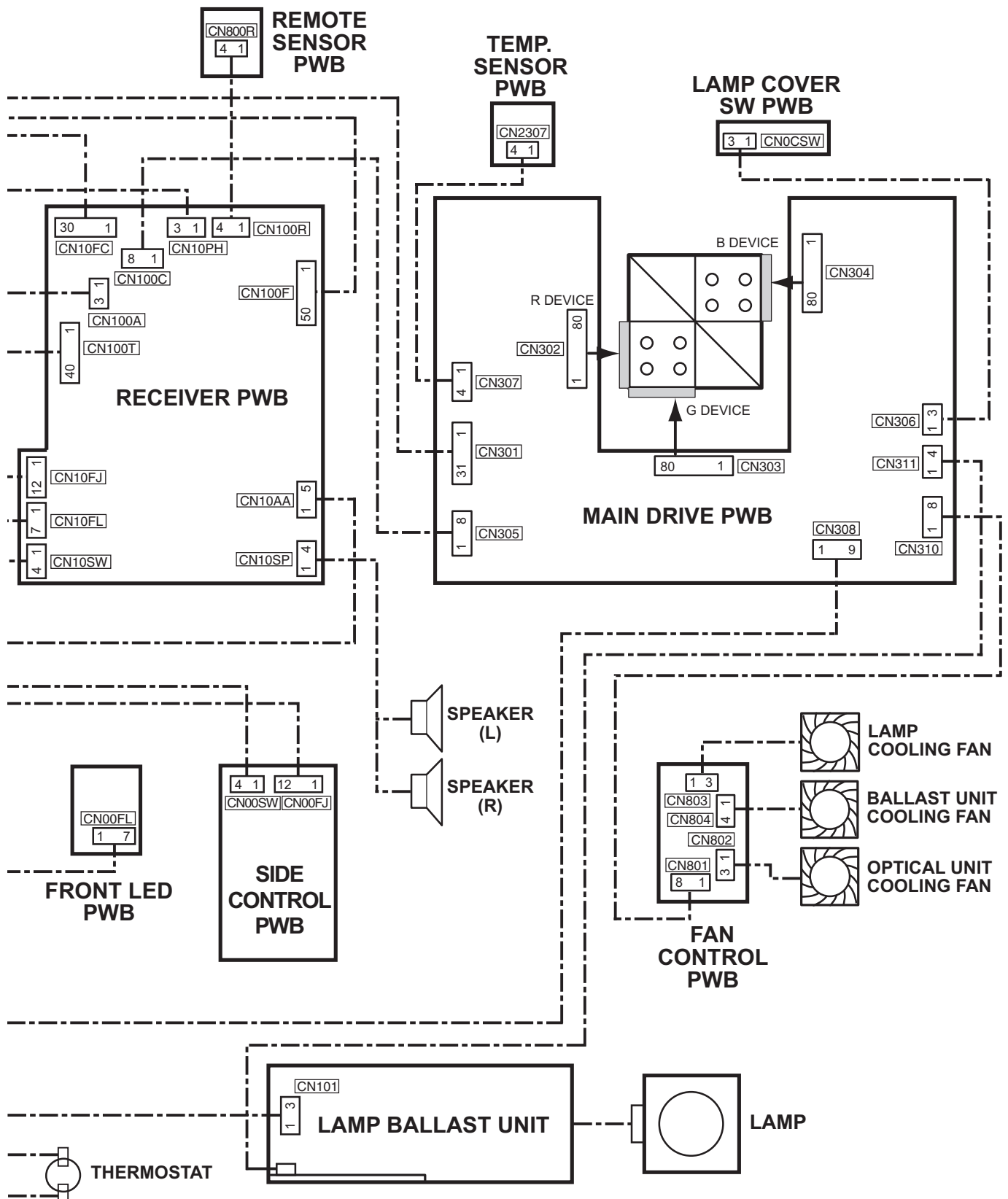
BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

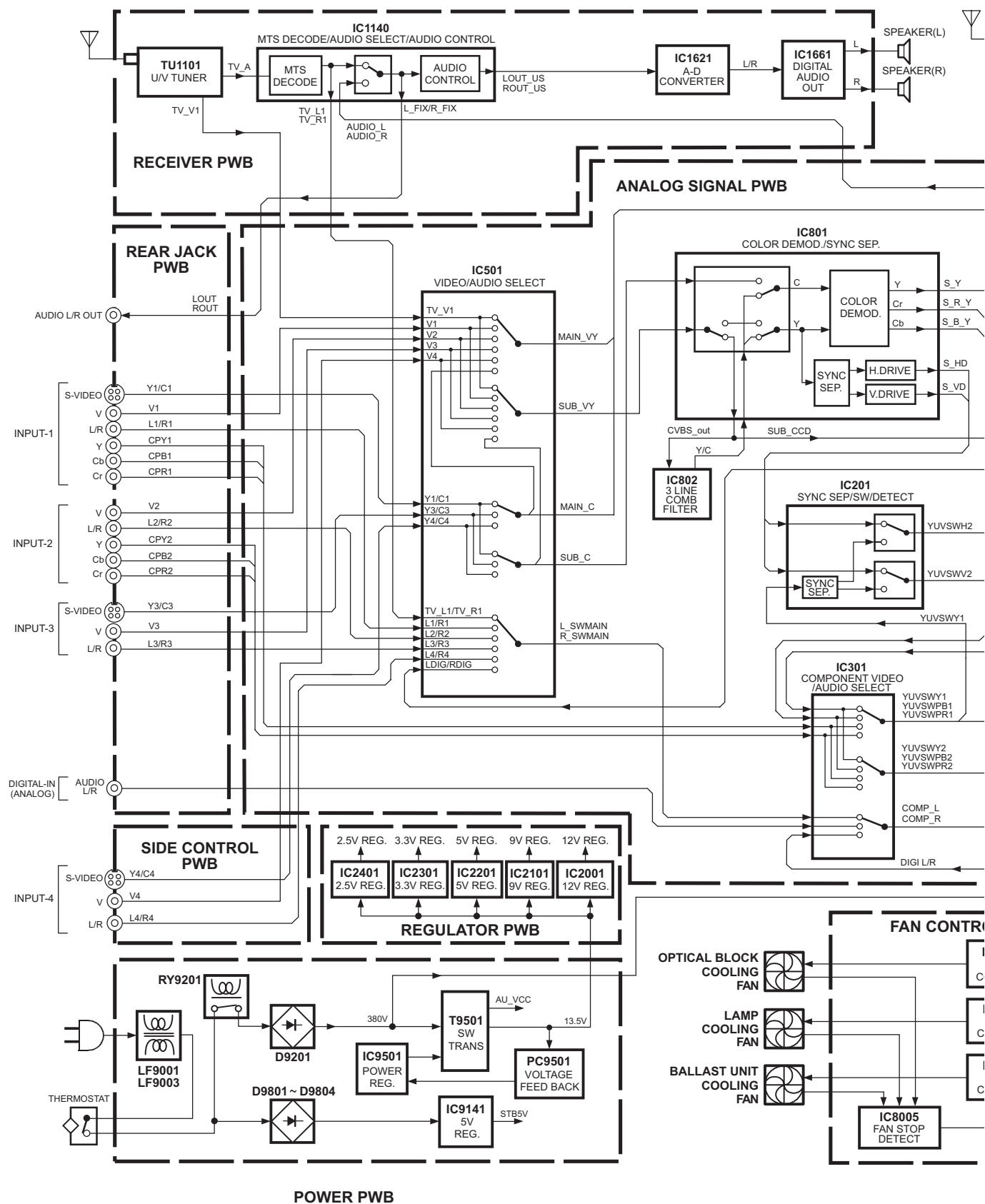
TOP VIEW		
		

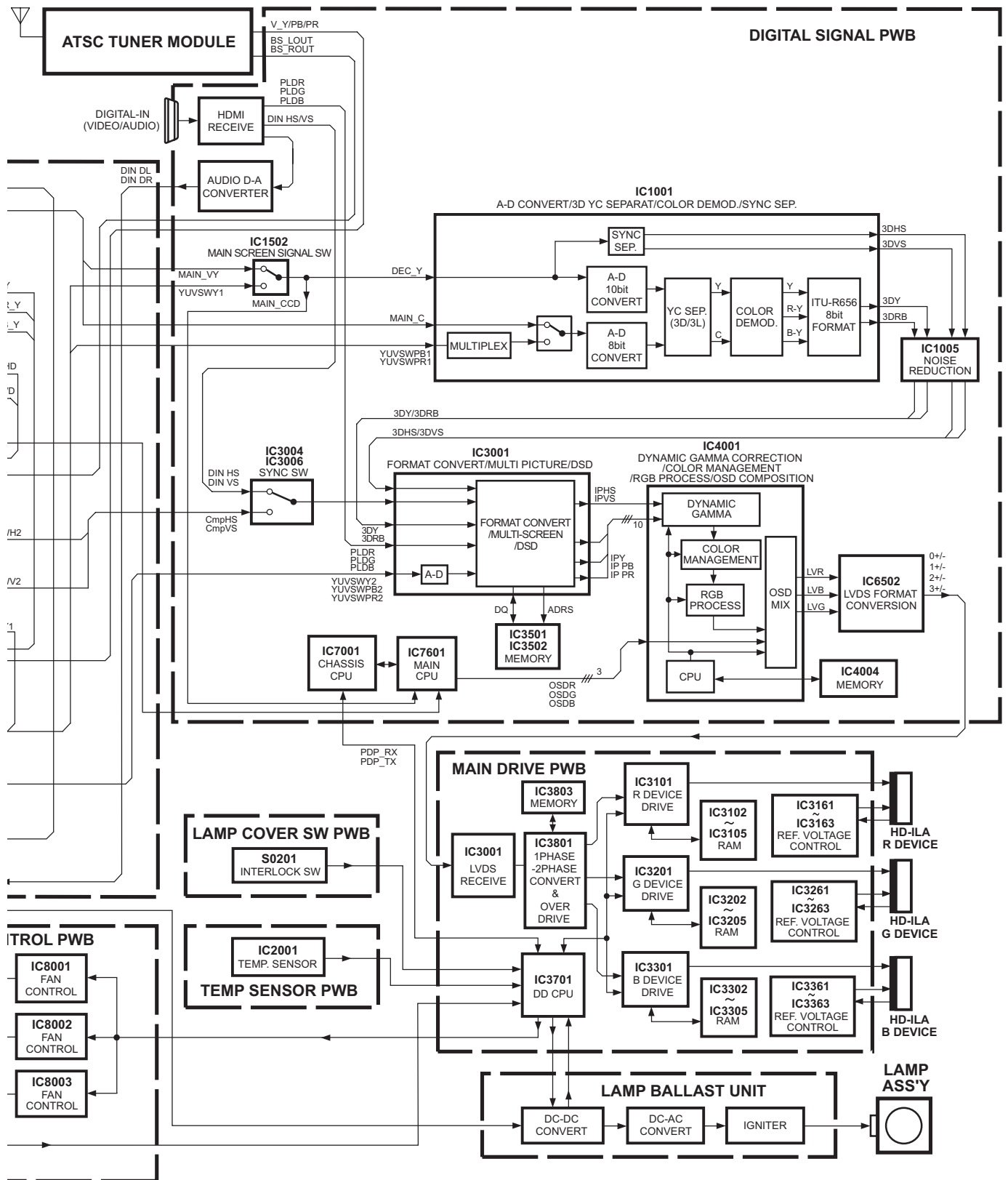
WIRING DIAGRAM



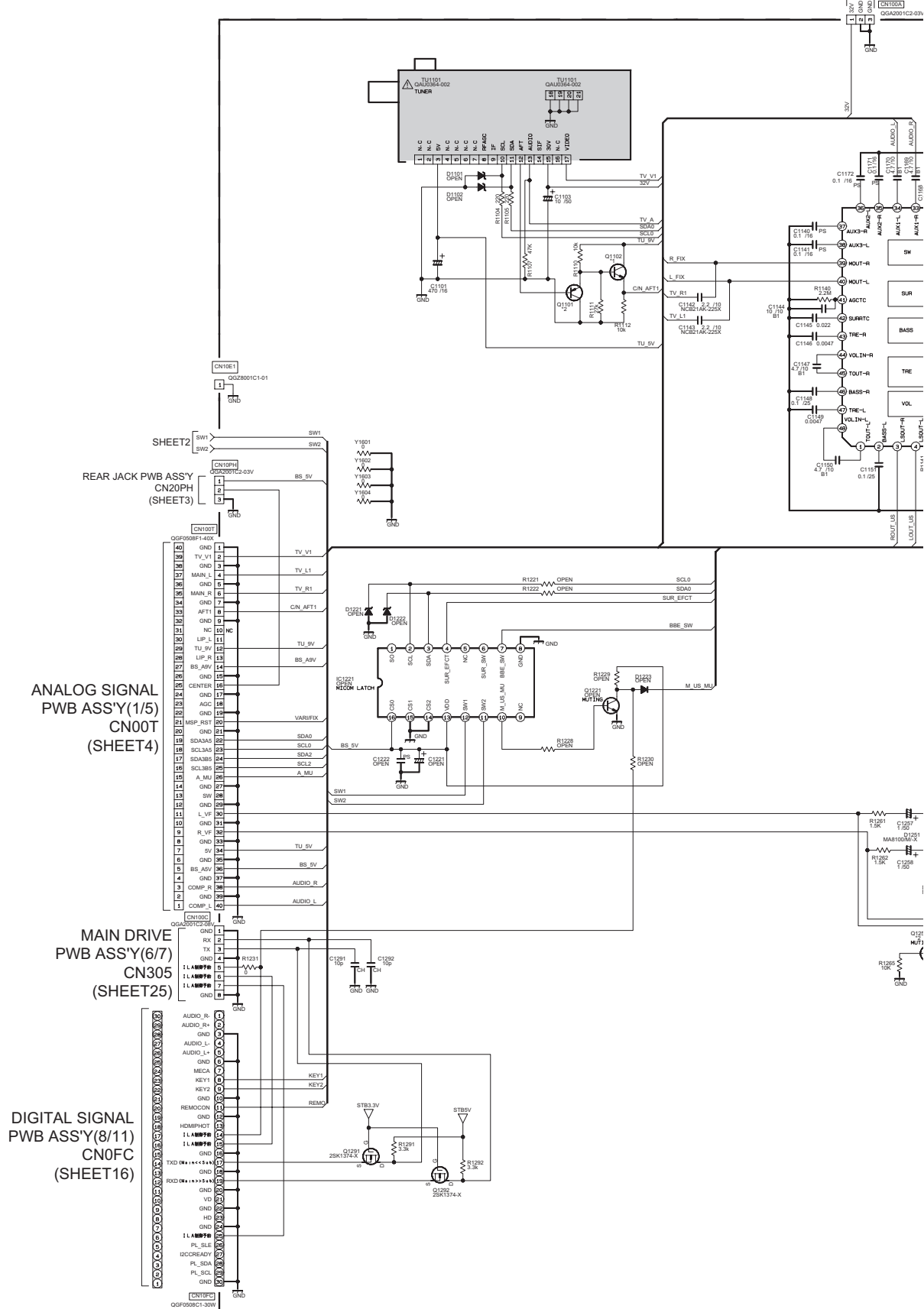


BLOCK DIAGRAM





RECEIVER PWB CIRCUIT DIAGRAM (1/2) [TUNER·MTS/VOL·VARI/FIXOUT BLOCK] SHEET1

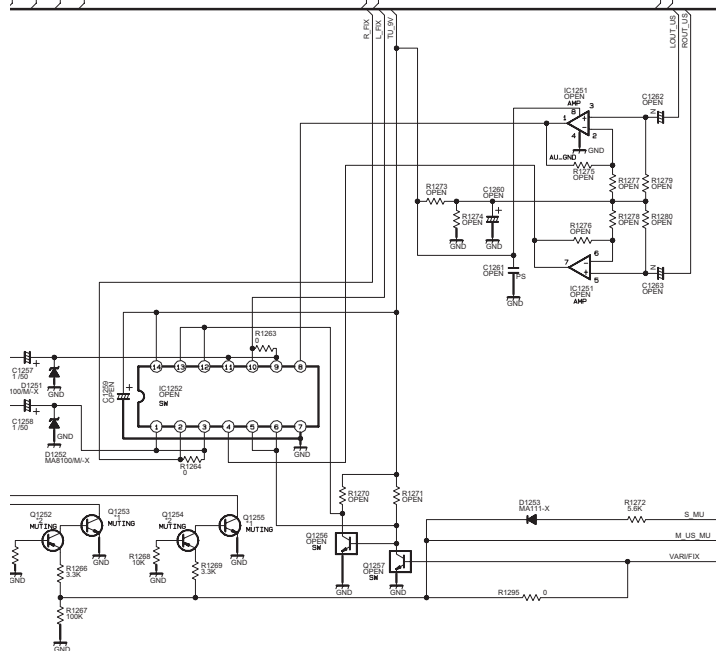
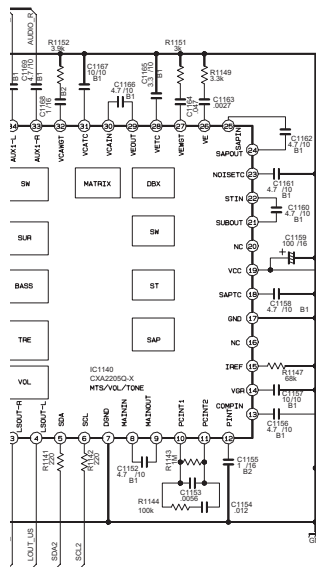


ANAL
(1/5)
ET4)

001C2-03V

SIDE CONTROL
PWB ASS'Y
CN00SW (SHEET33)

SIDE CONTROL
PWB ASS'Y
CN00FJ (SHEET33)



RECEIVER PWB ASS'Y (1/2) SRP0R024A-M2

ANALOG SIGNAL
PWB ASS'Y(1/5)
CN00F
(SHEET4)

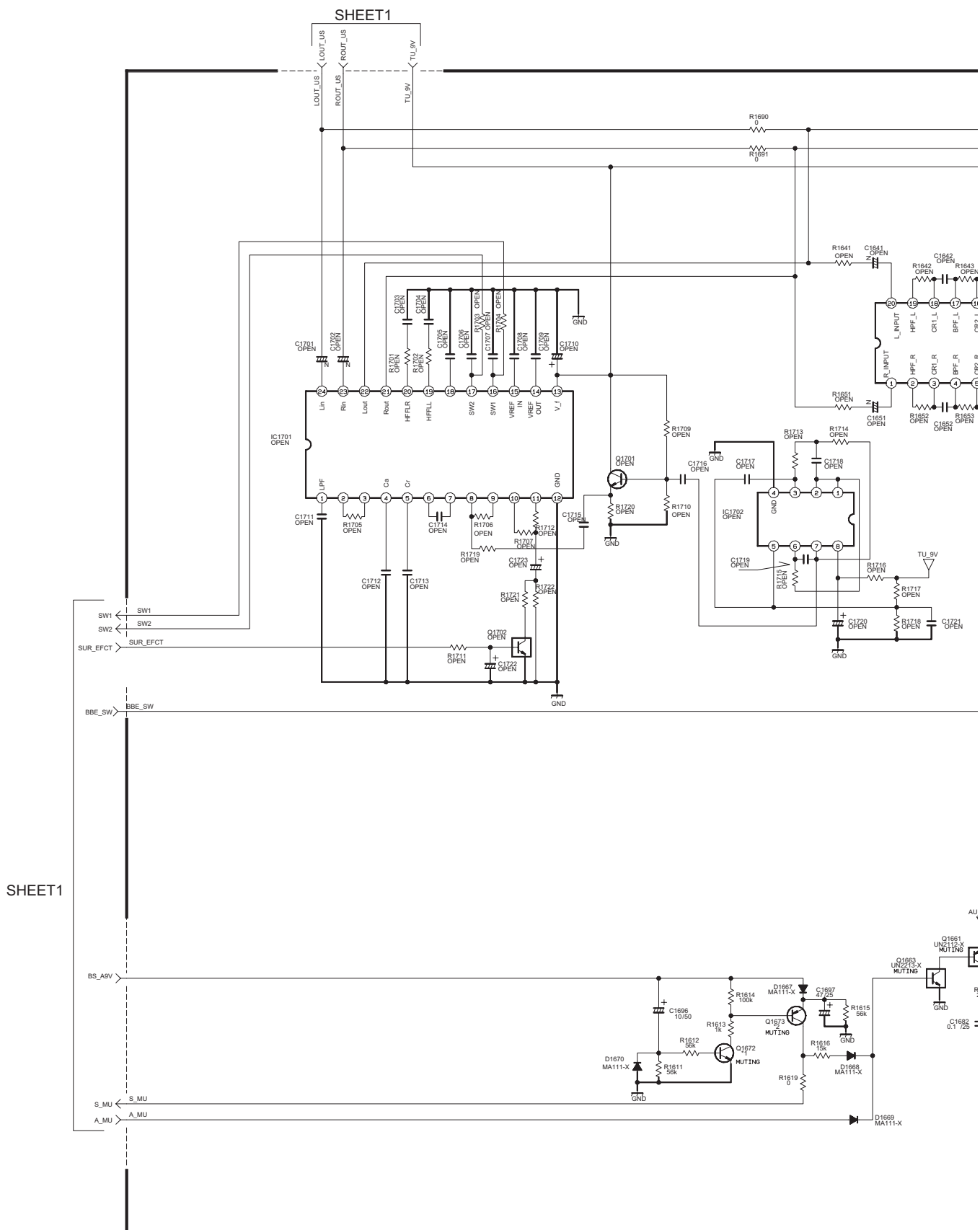
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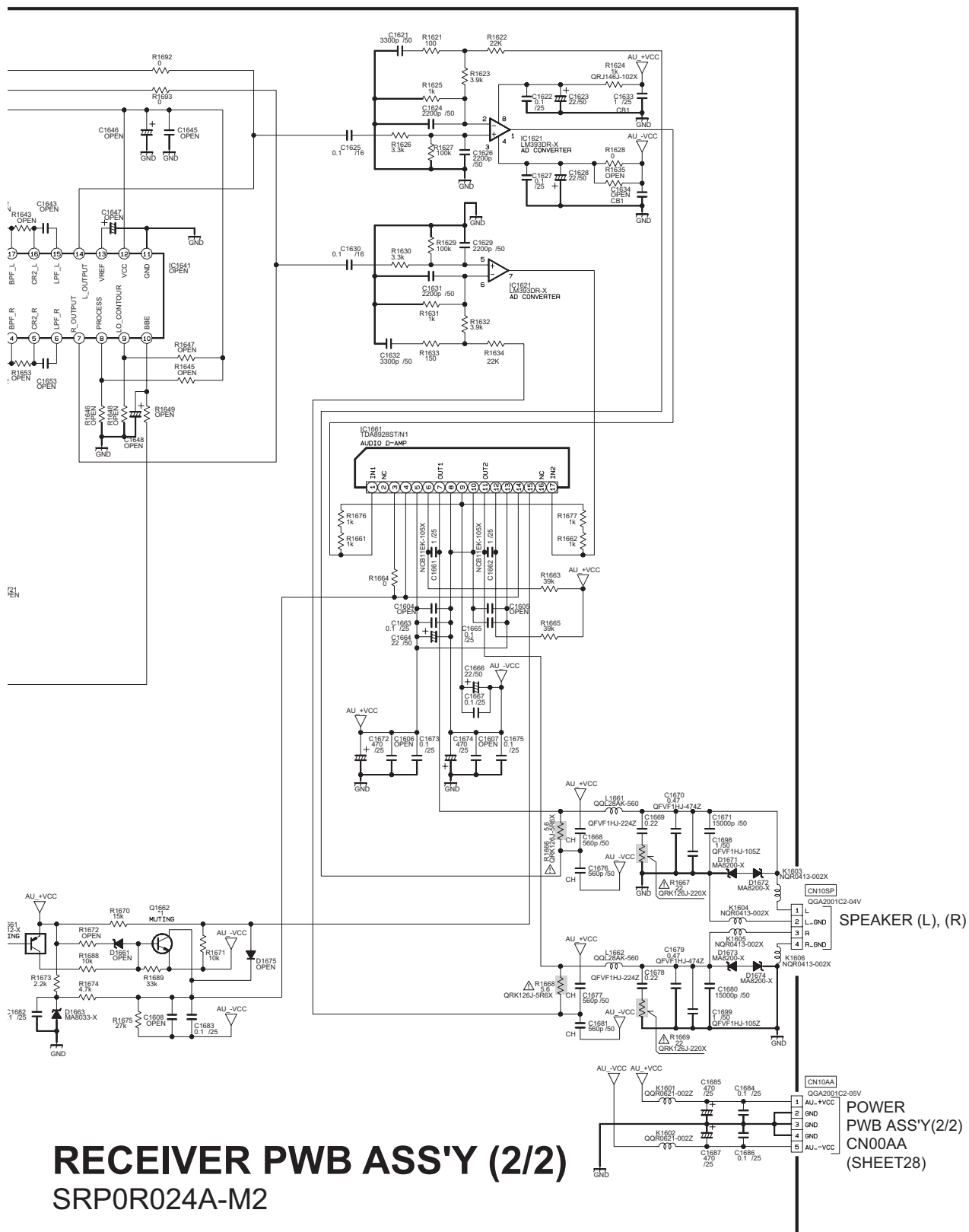
FRONT LED
PWB ASS'Y
CN00FL
(SHEET34)

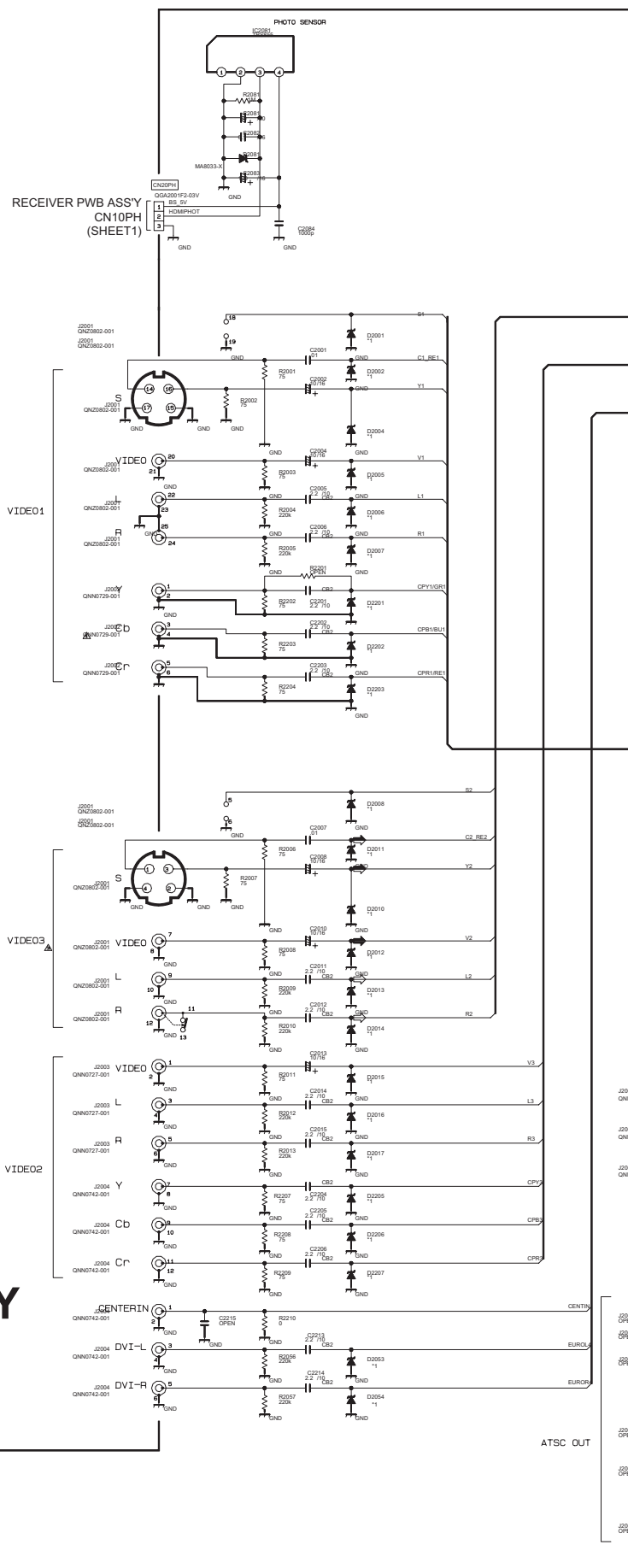
REMOTE SENSOR
PWB ASS'Y
CN800R (SHEET32)

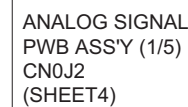
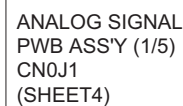
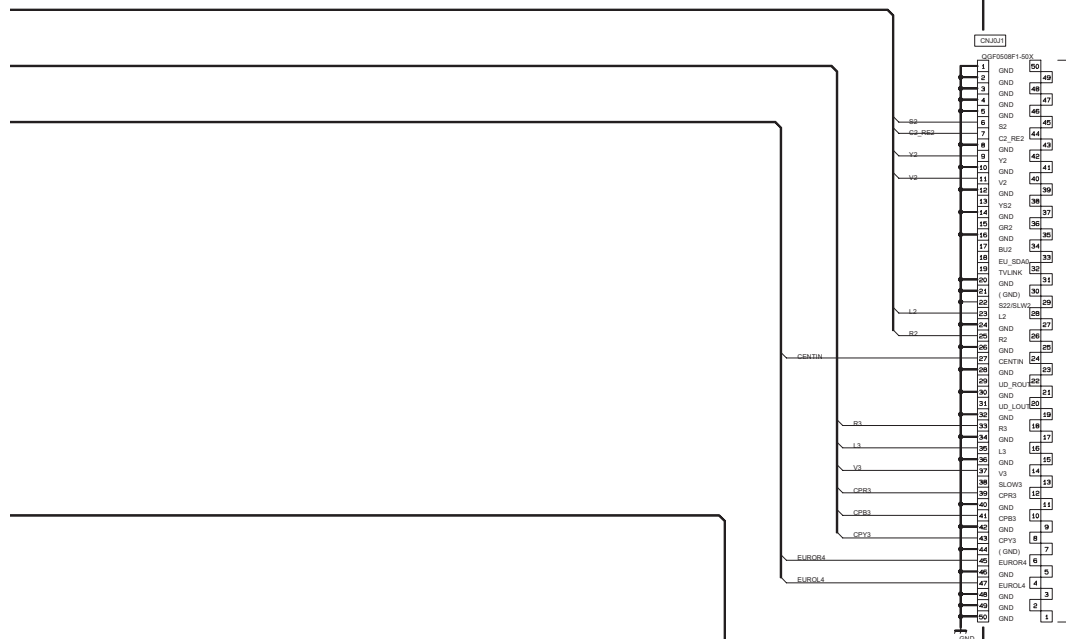
SHEET2

2-11(No.YA336)



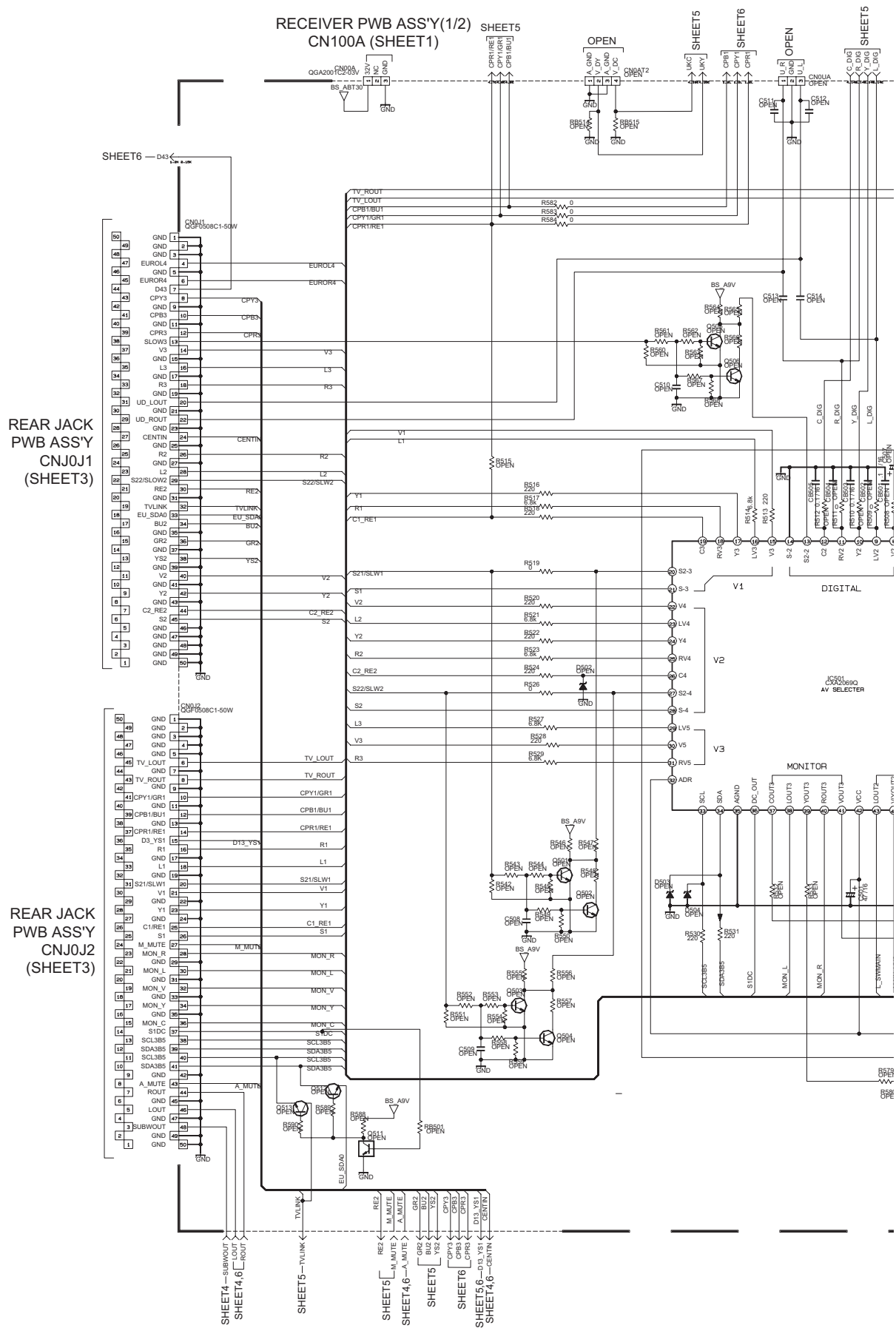






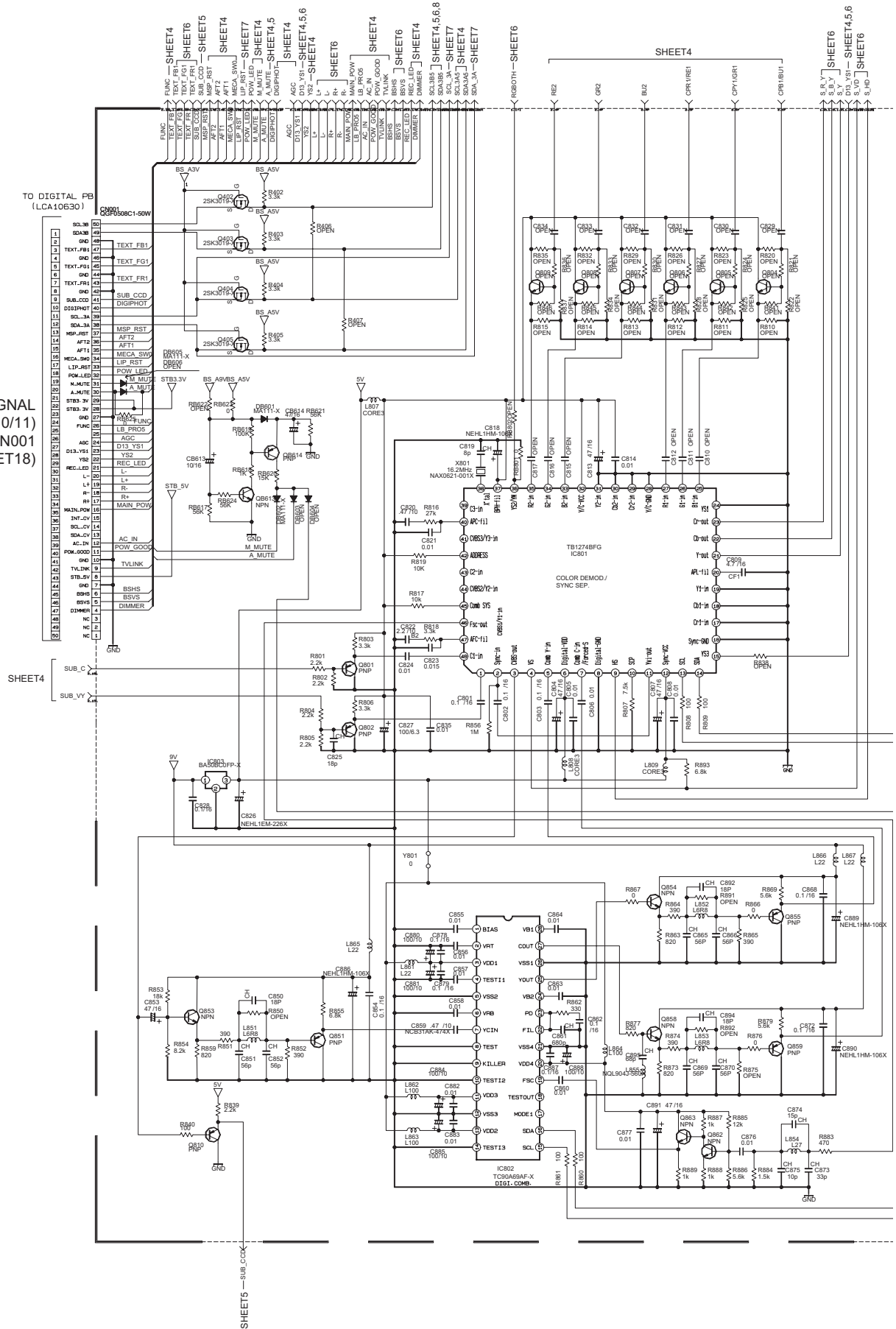
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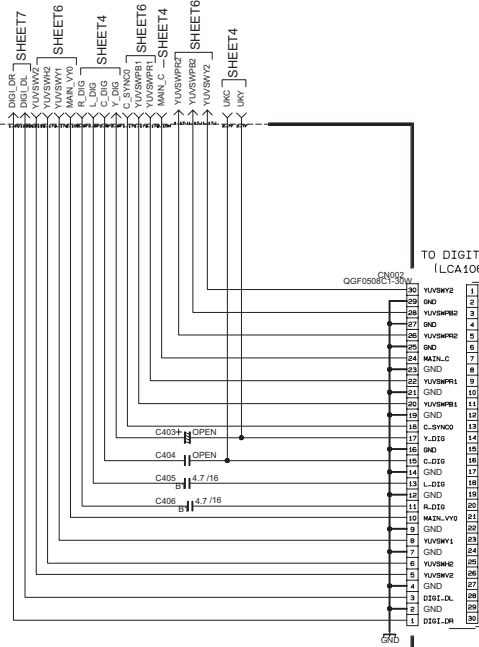
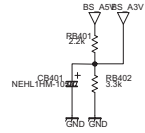
2-15(No.YA336)



ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) [SUB DECORD BLOCK] SHEET 5

DIGITAL SIGNAL
PWB ASS'Y(10/11)
CN001
(SHEET18)





DIGITAL SIGNAL
PWB ASS'Y(11/11)
CN002
(SHEET19)

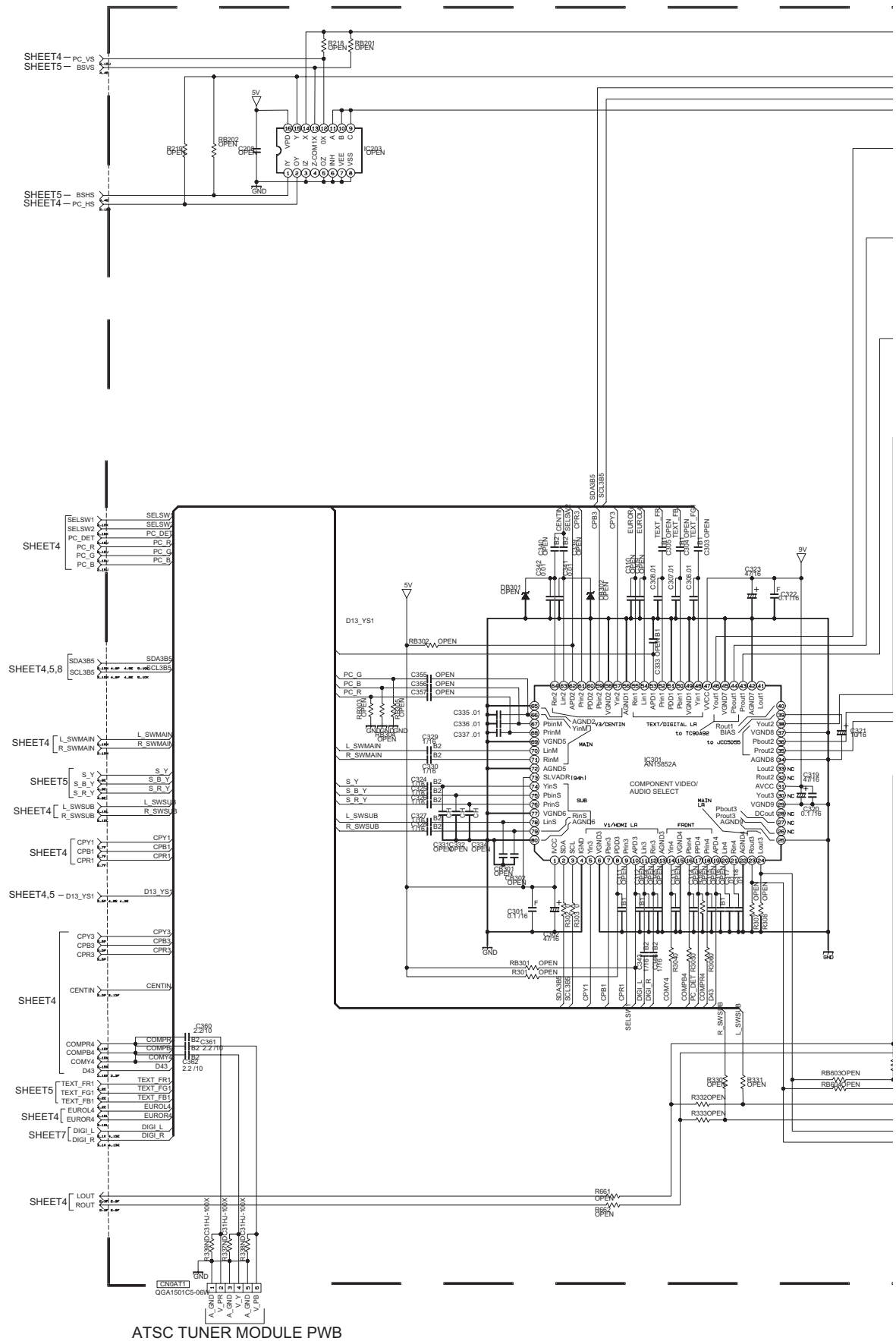
- NOTE -

0 : NRS A63-0R0X
NPN : 2SC3928A/GR/-X
PNP : 2SA1530A/GR/-X
L6R8 : NQL092K-6R8X
L27 : NQL092M-270X
L22 : NQL914M-220X
L100 : NQL914K-101X
CORE3 : NQR0413-003X

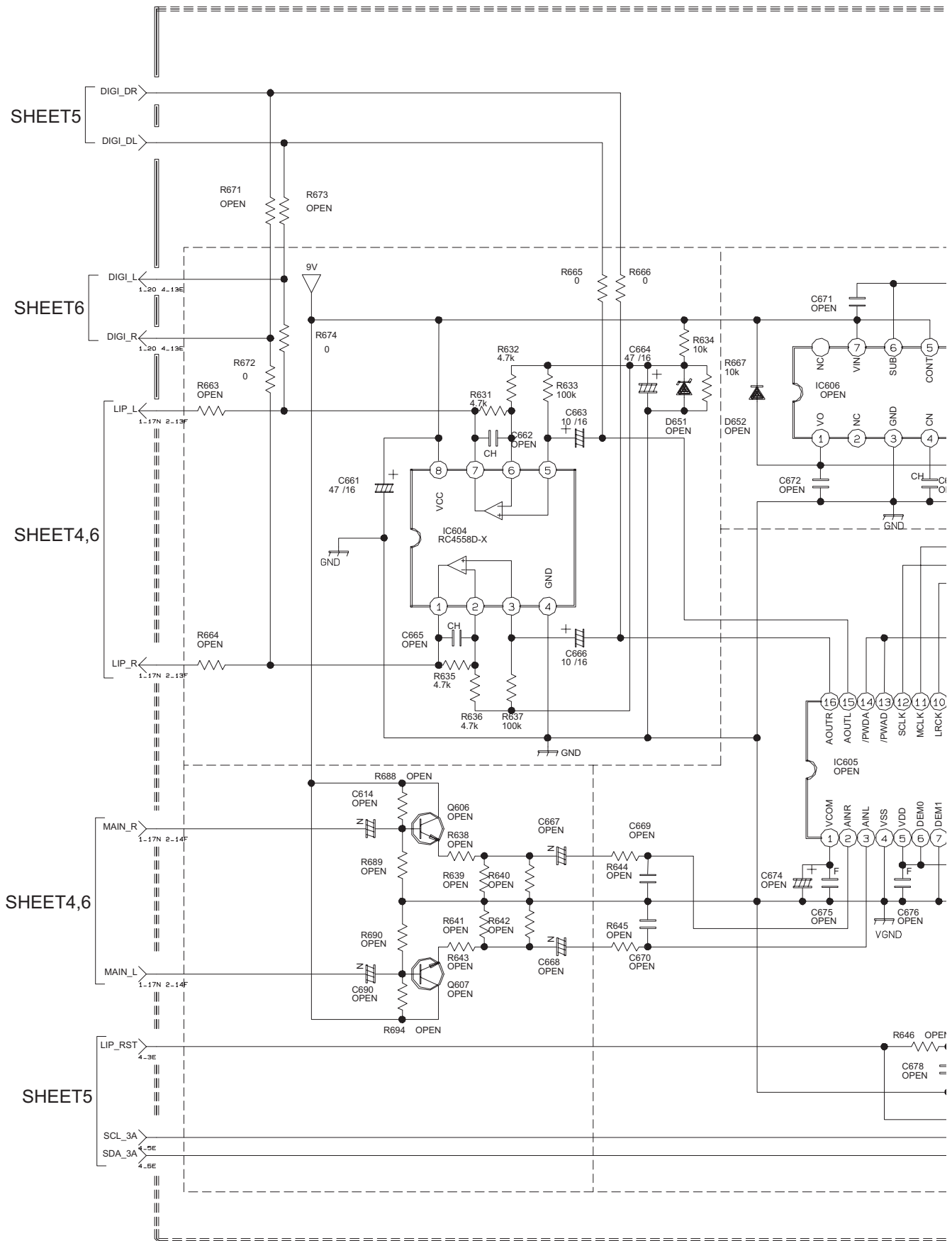
ANALOG SIGNAL PWB ASS'Y (2/5)

SRP-1025A-M2

2-19(No.YA336)

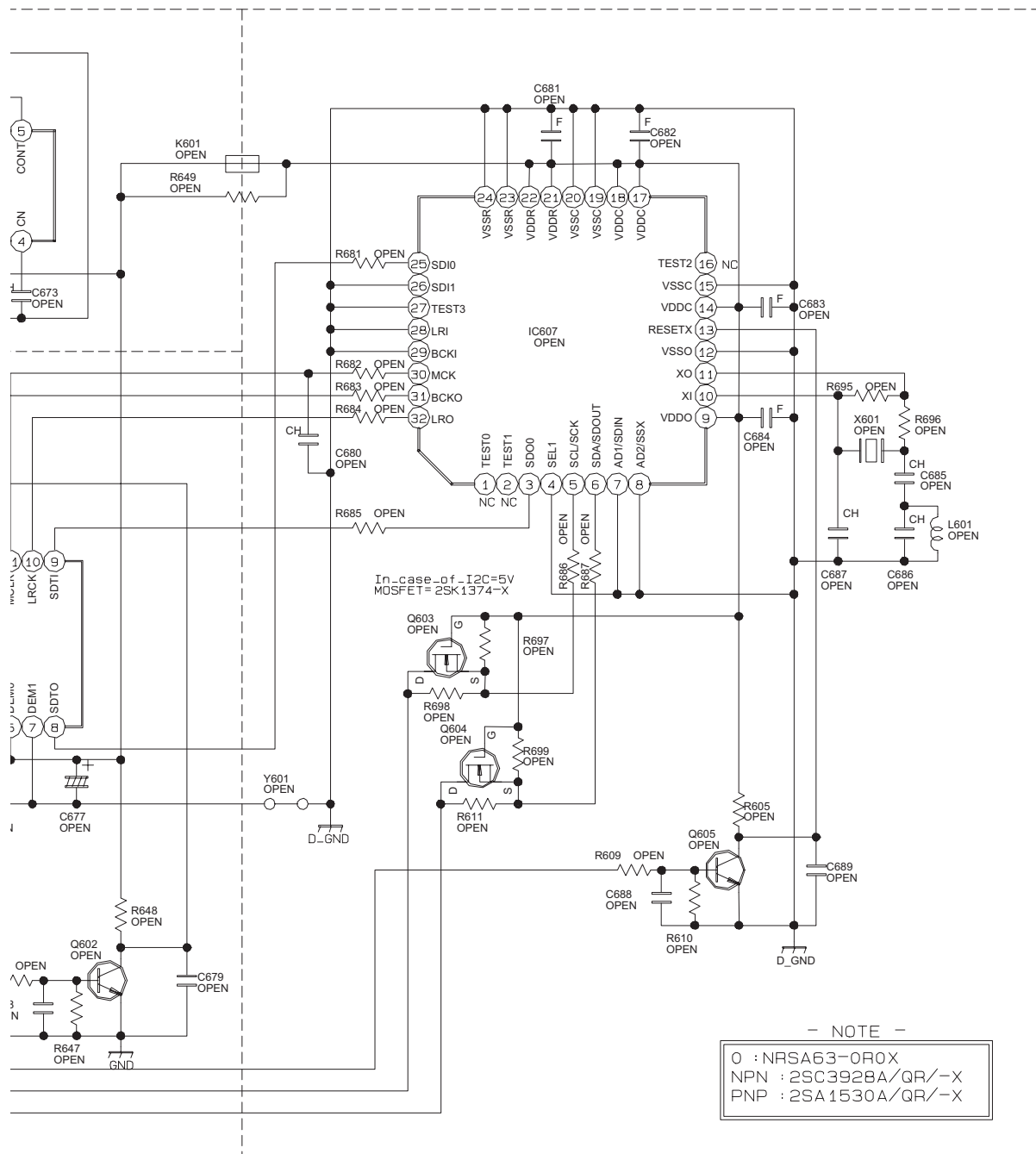


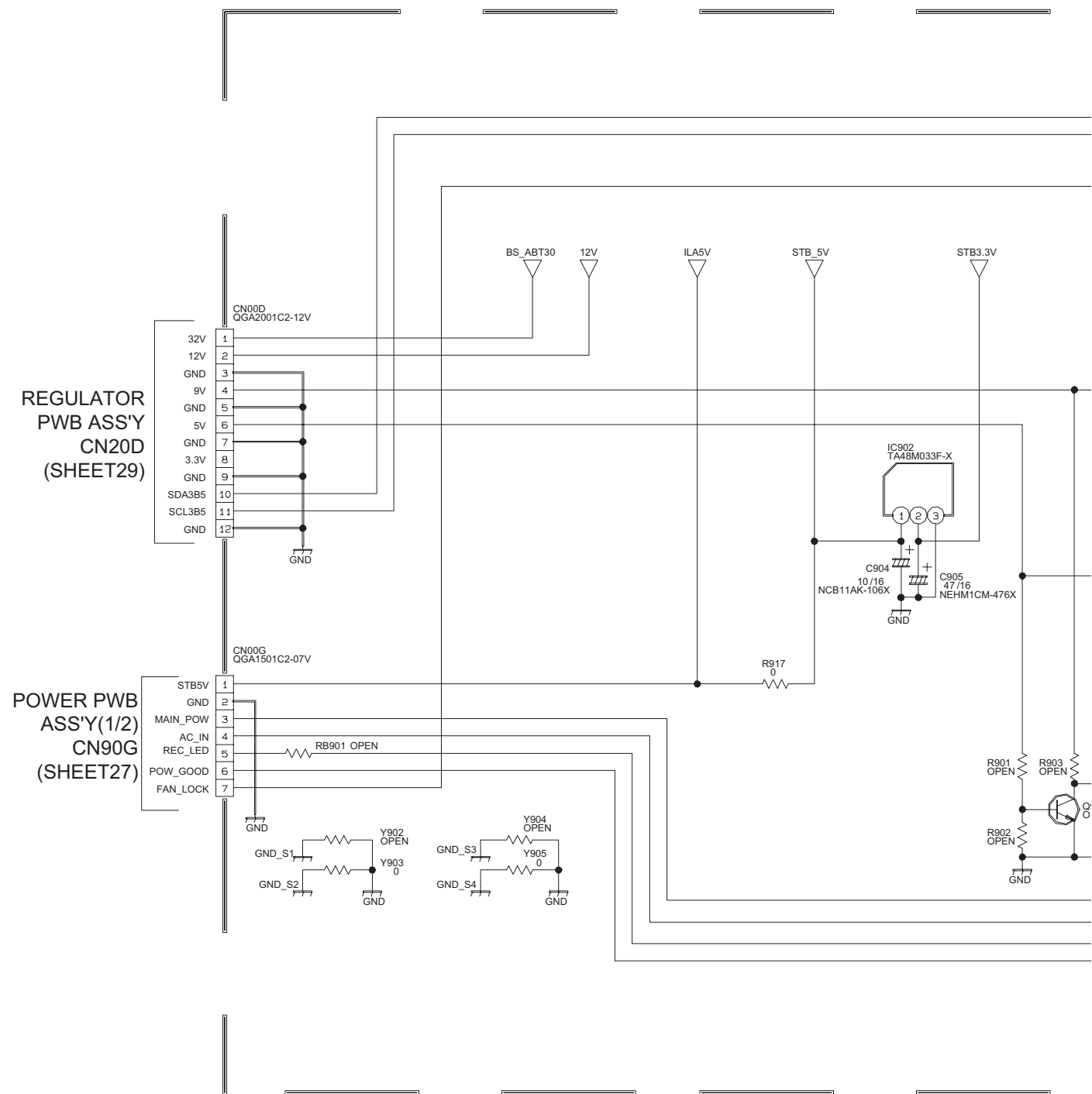
ANALOG SIGNAL PWB CIRCUIT DIAGRAM (4/5) [SOUND DELAY BLOCK] SHEET 7



ANALOG SIGNAL PWB ASS'Y (4/5)

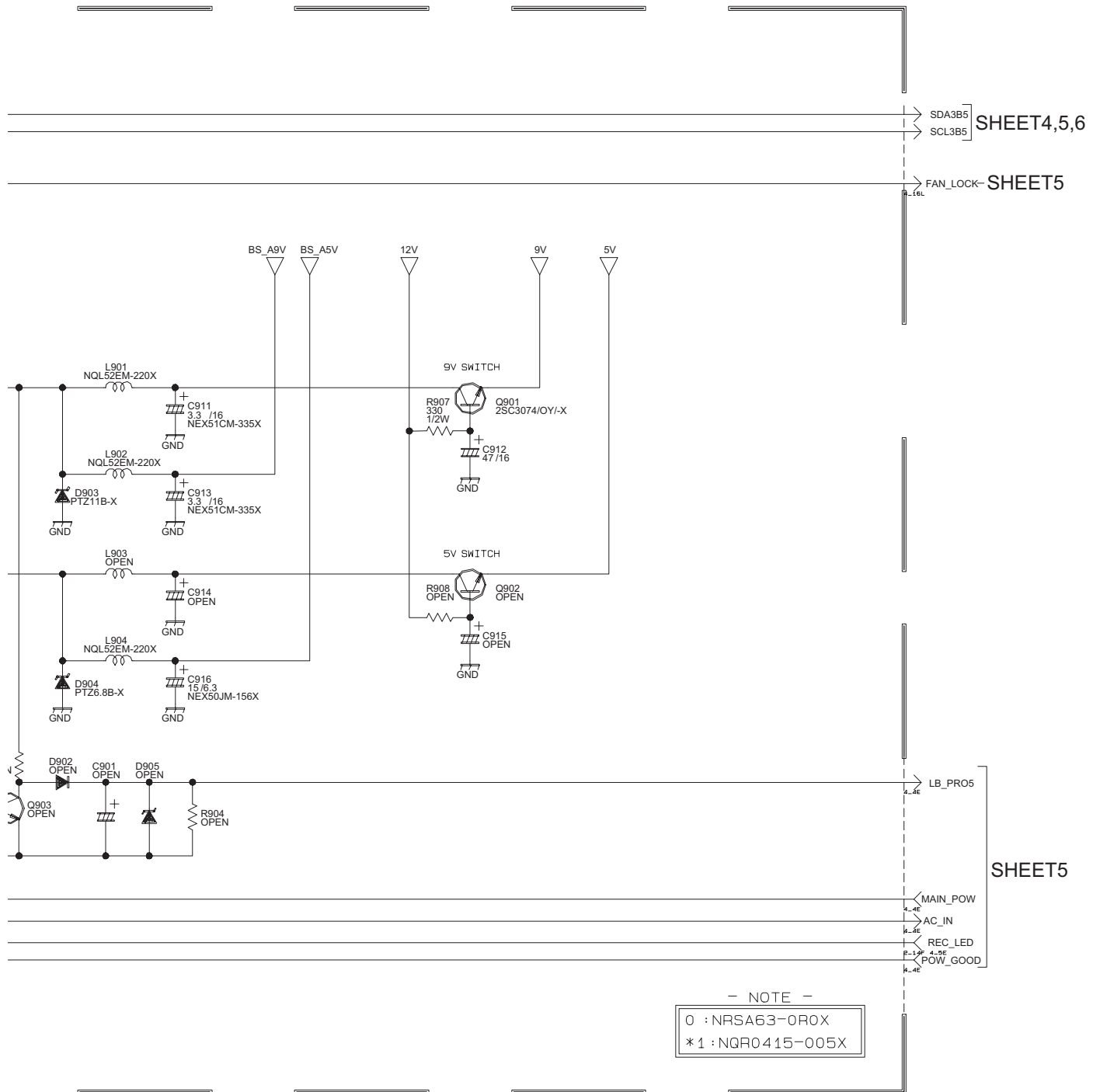
SRP-1025A-M2





ANALOG SIGNAL PWB ASS'Y (5/5)

SRP-1025A-M2

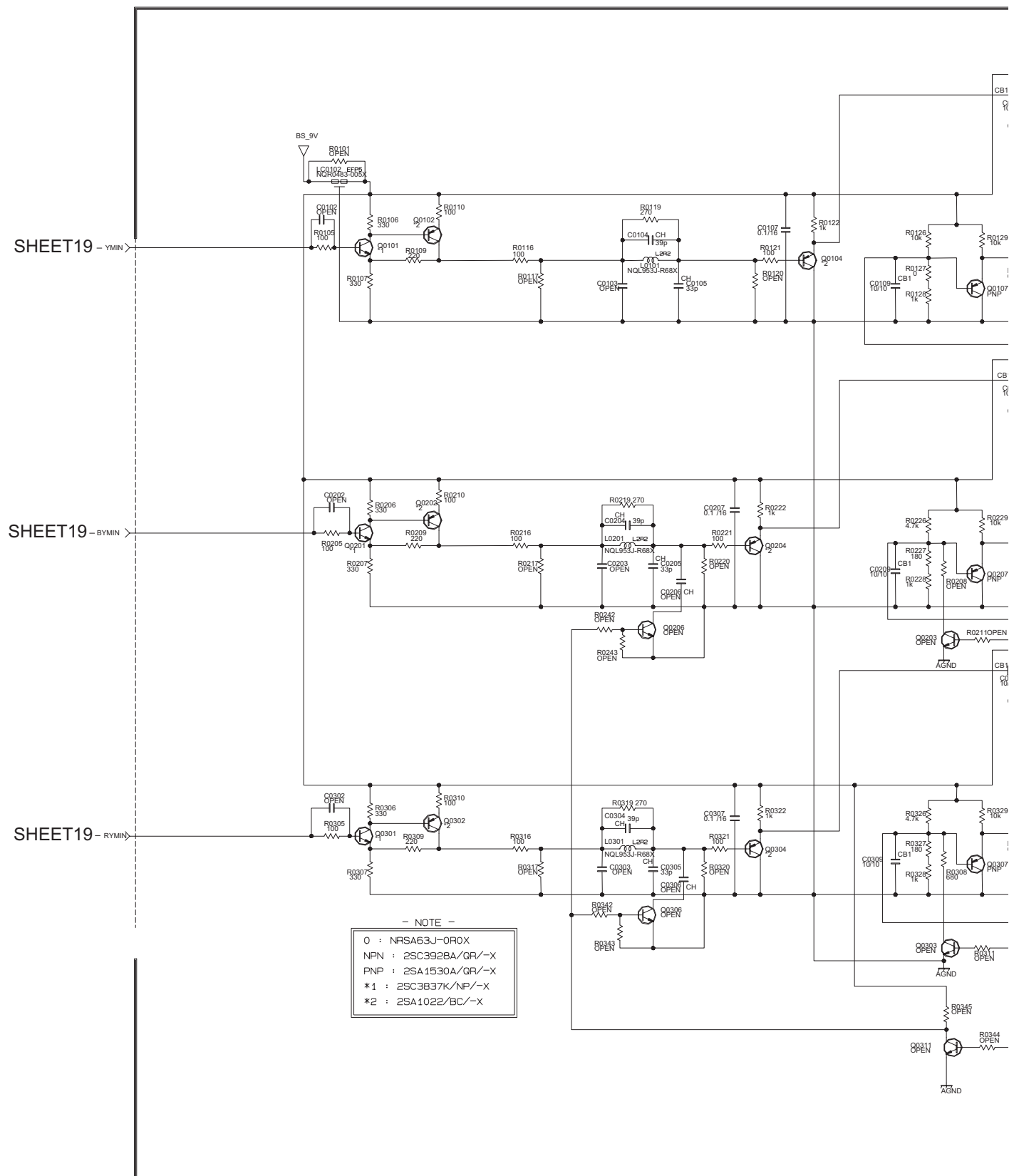


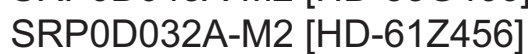


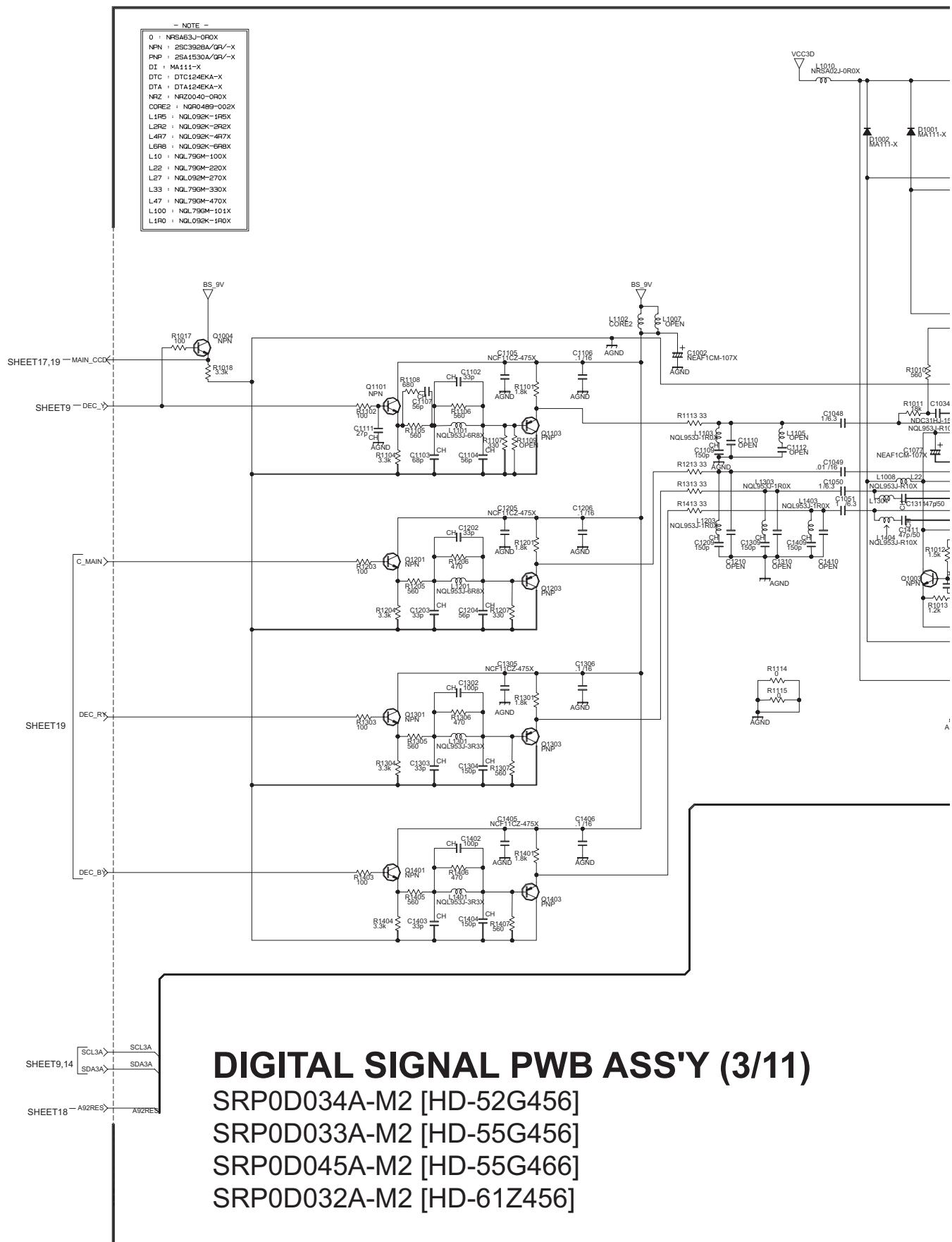
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SRP0D045A-M2 [HD-55G466]

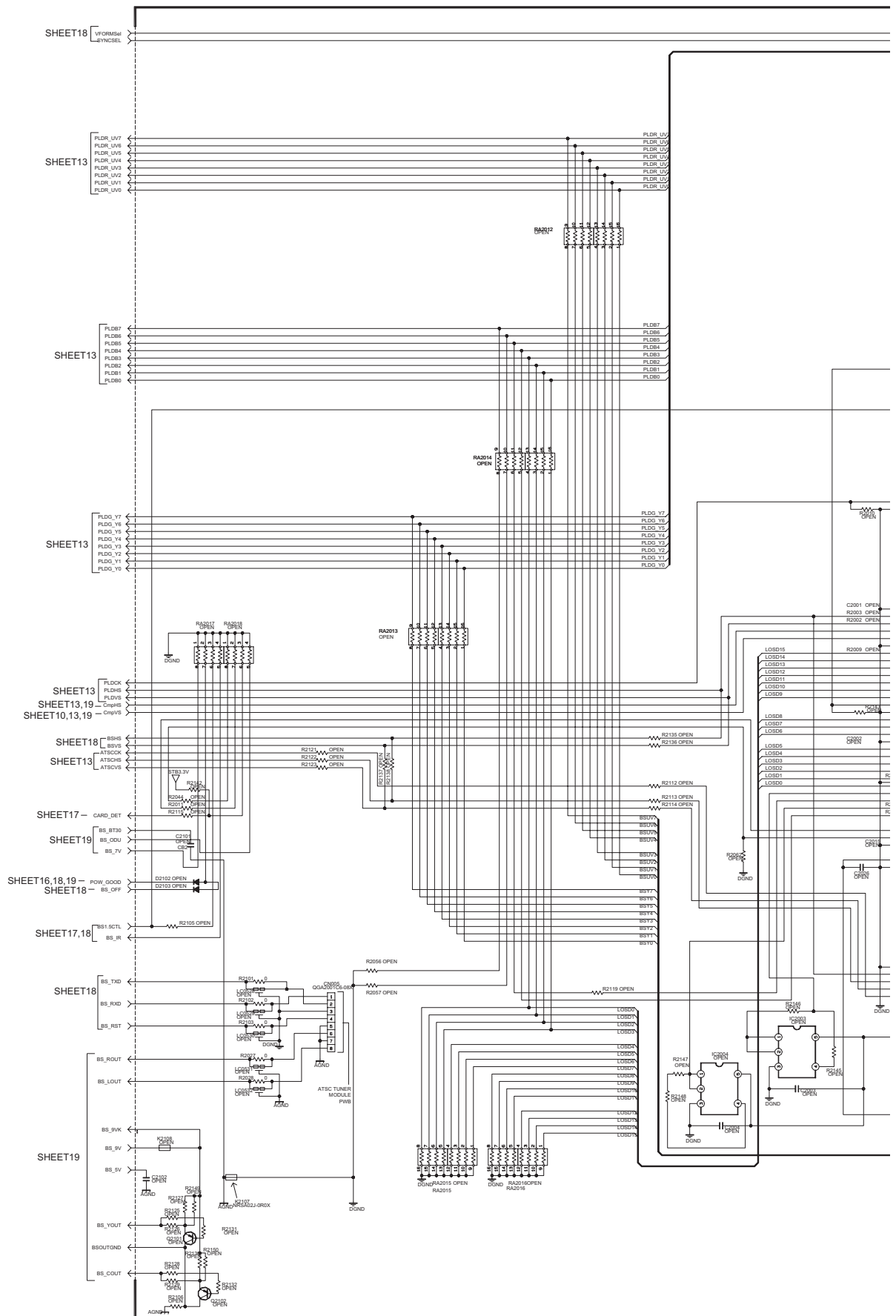
SRP0D032A-M2 [HD-61Z456]



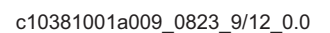




DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (4/11) [DTV IN] SHEET 12



SRP0D034A-M2 [HD-52G456]
SRP0D033A-M2 [HD-55G456]
SRP0D045A-M2 [HD-55G466]
SRP0D032A-M2 [HD-61Z456]



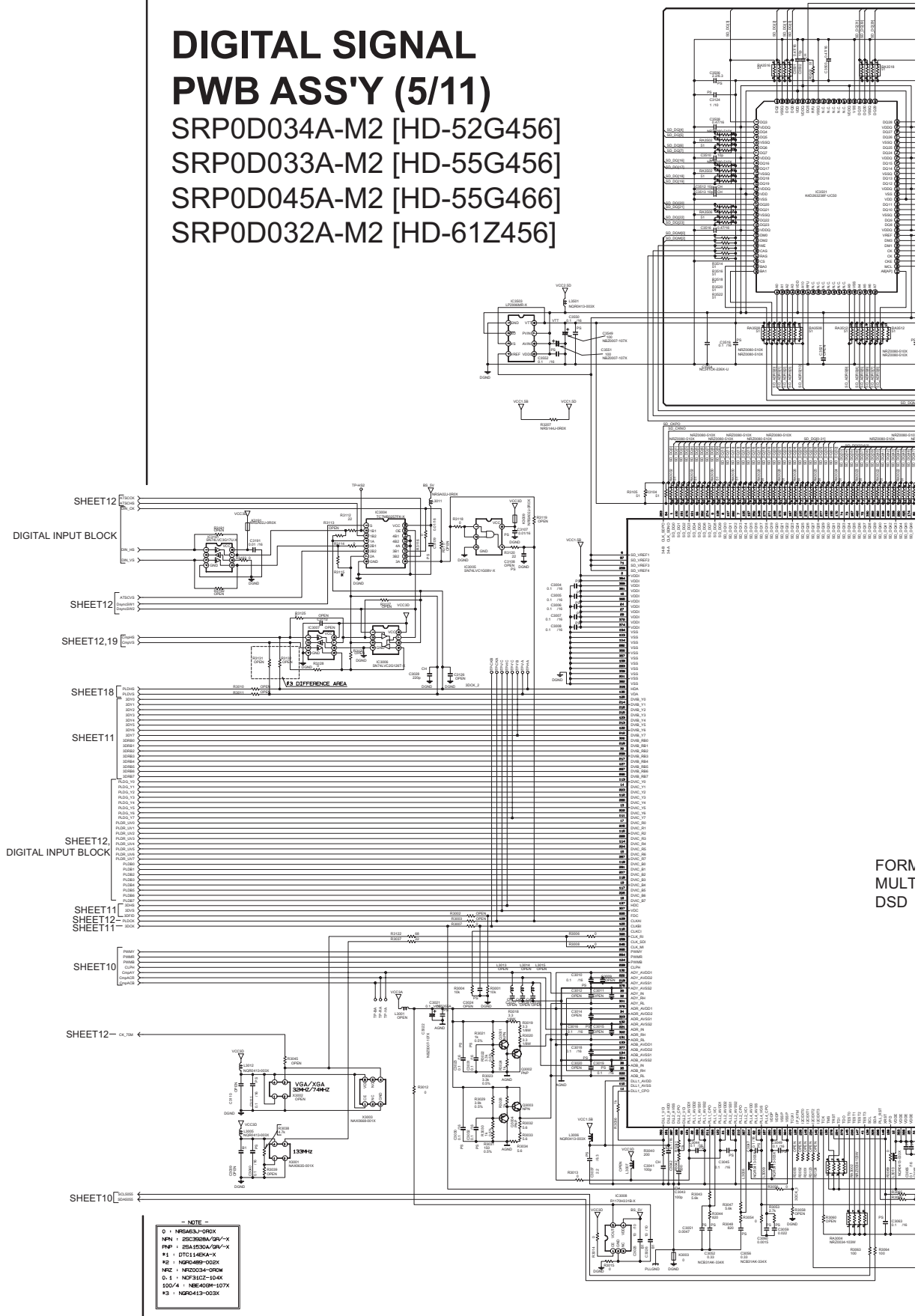
DIGITAL SIGNAL PWB ASS'Y (5/11)

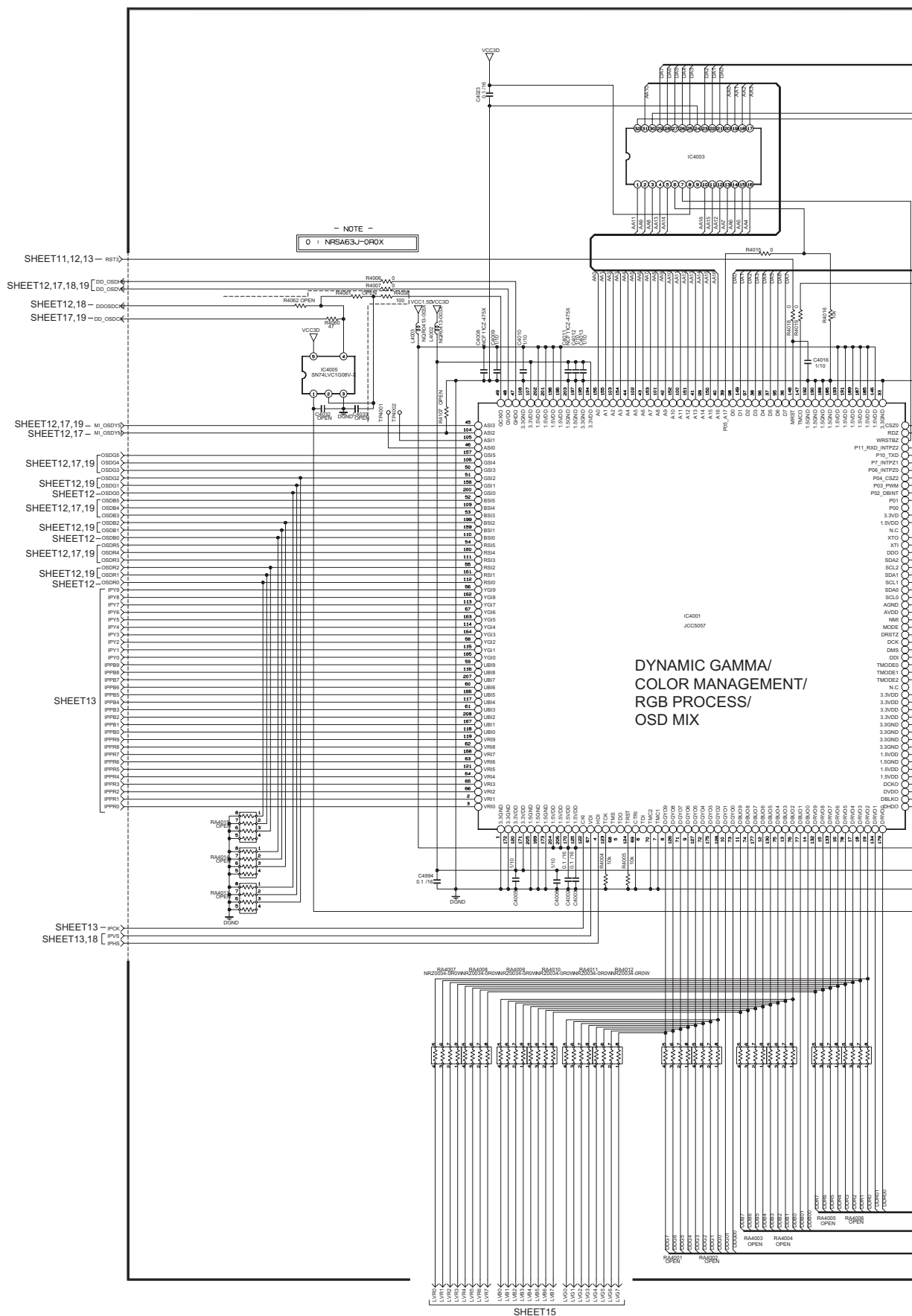
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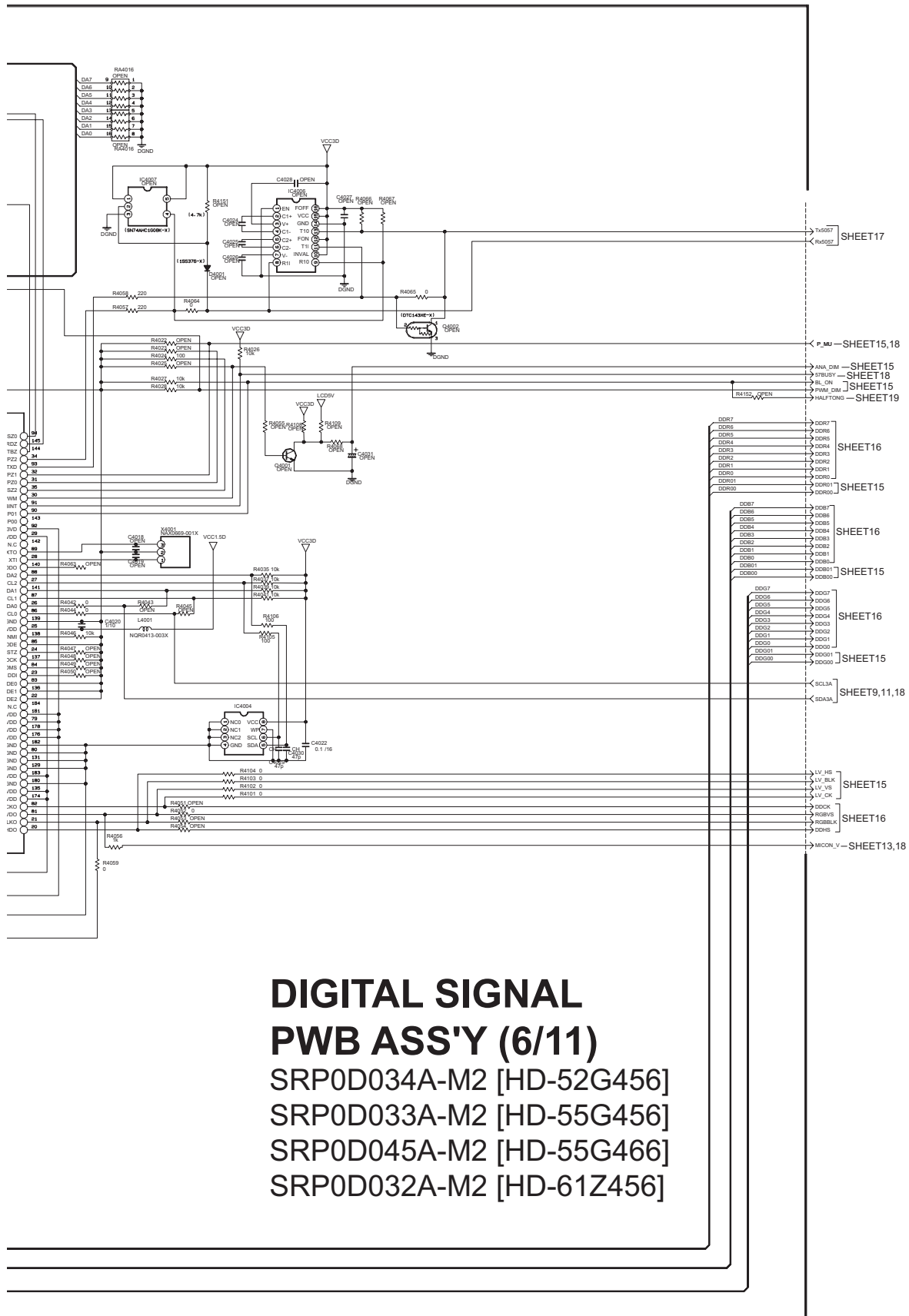
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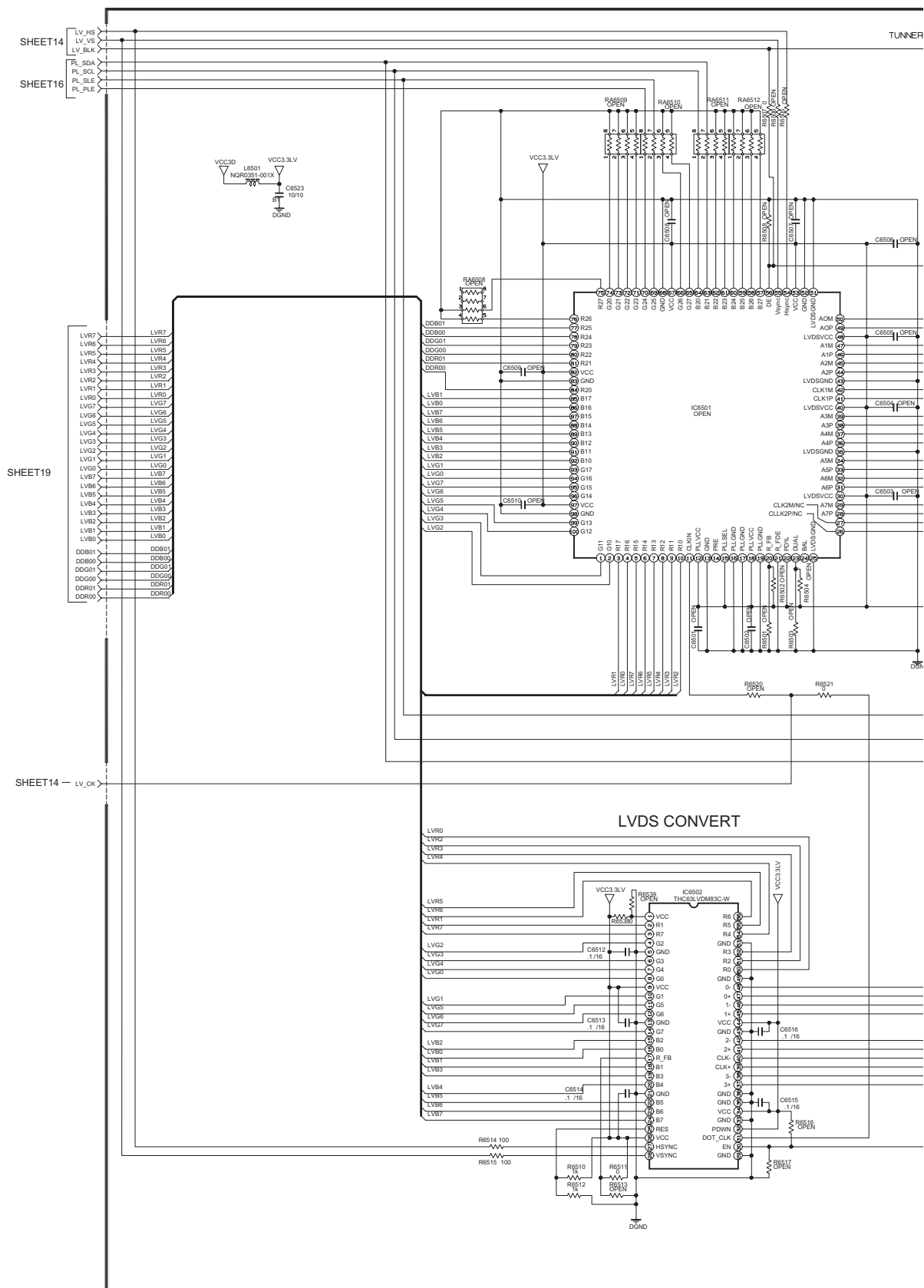
SRP0D045A-M2 [HD-55G466]

SRP0D032A-M2 [HD-61Z456]









[illegible]

SRP0D034A-M2 [HD-52G456]
SRP0D033A-M2 [HD-55G456]
SRP0D045A-M2 [HD-55G466]
SRP0D032A-M2 [HD-61Z456]

SRP0D032A-M2 [HD-61Z456]

T16

SHEET16,18

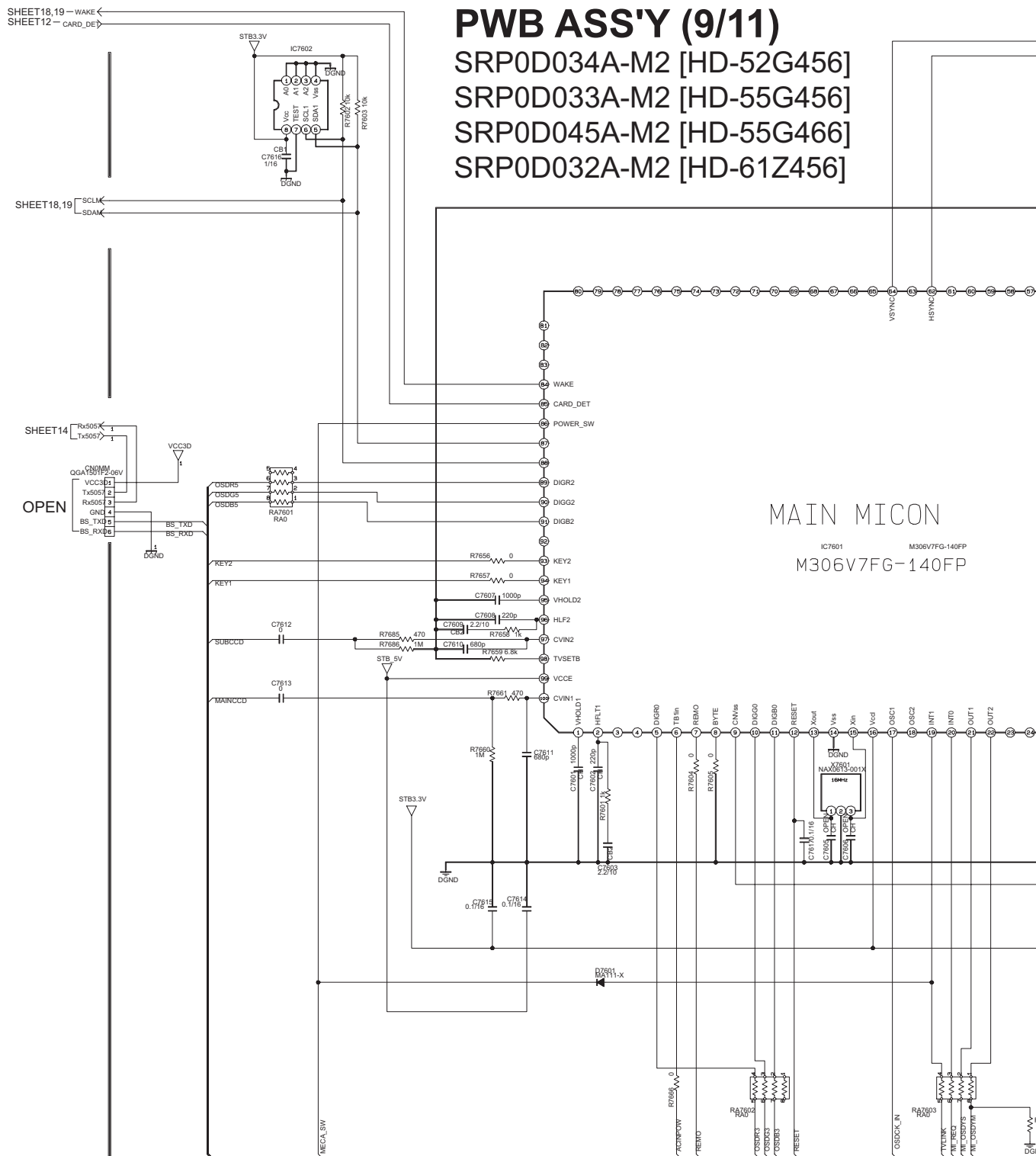
OPEN

ET16

MAIN DRIVE PWB ASS'Y(1/7)
CN301
(SHEET20)

SRP0D032A-M2 [HD-61Z456]

SRP0D034A-M2 [HD-52G456]
SRP0D033A-M2 [HD-55G456]
SRP0D045A-M2 [HD-55G466]
SRP0D032A-M2 [HD-61Z456]



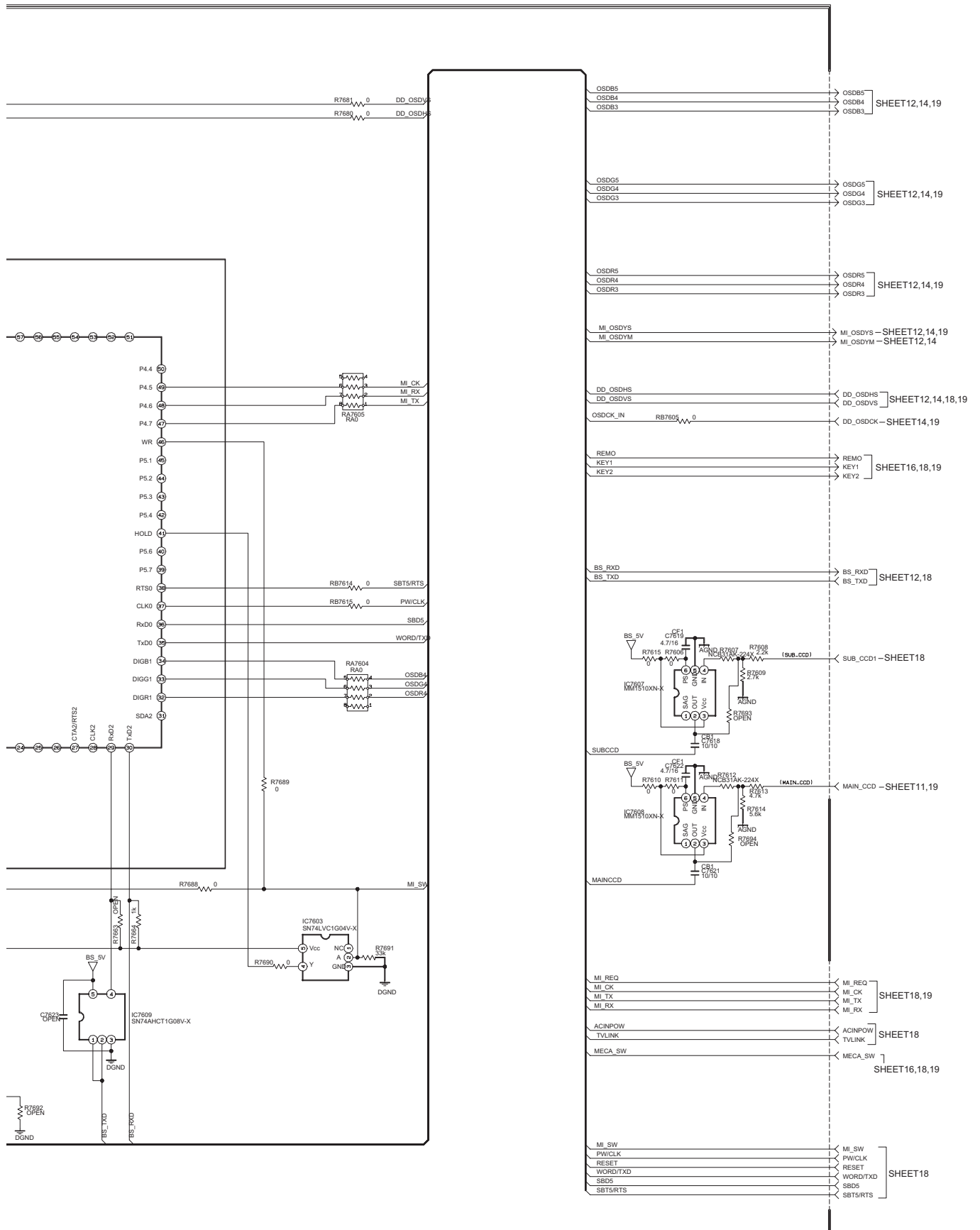
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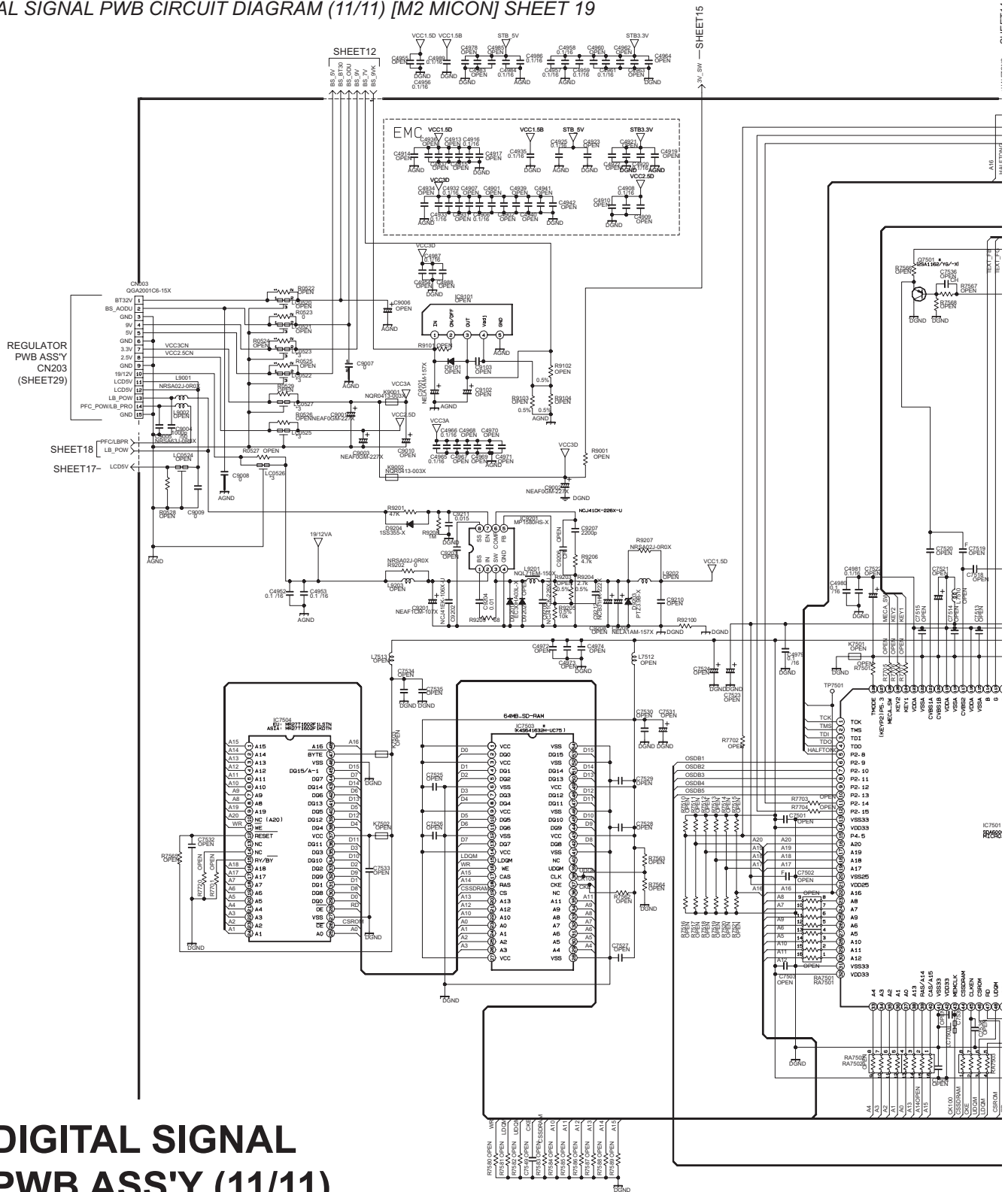
0 : NRSA63J-OROX
RA0 : NRZ0034-OROW
*4 : MA111-X

```

NOTE : Refer to the part list for the part number of IC7602.

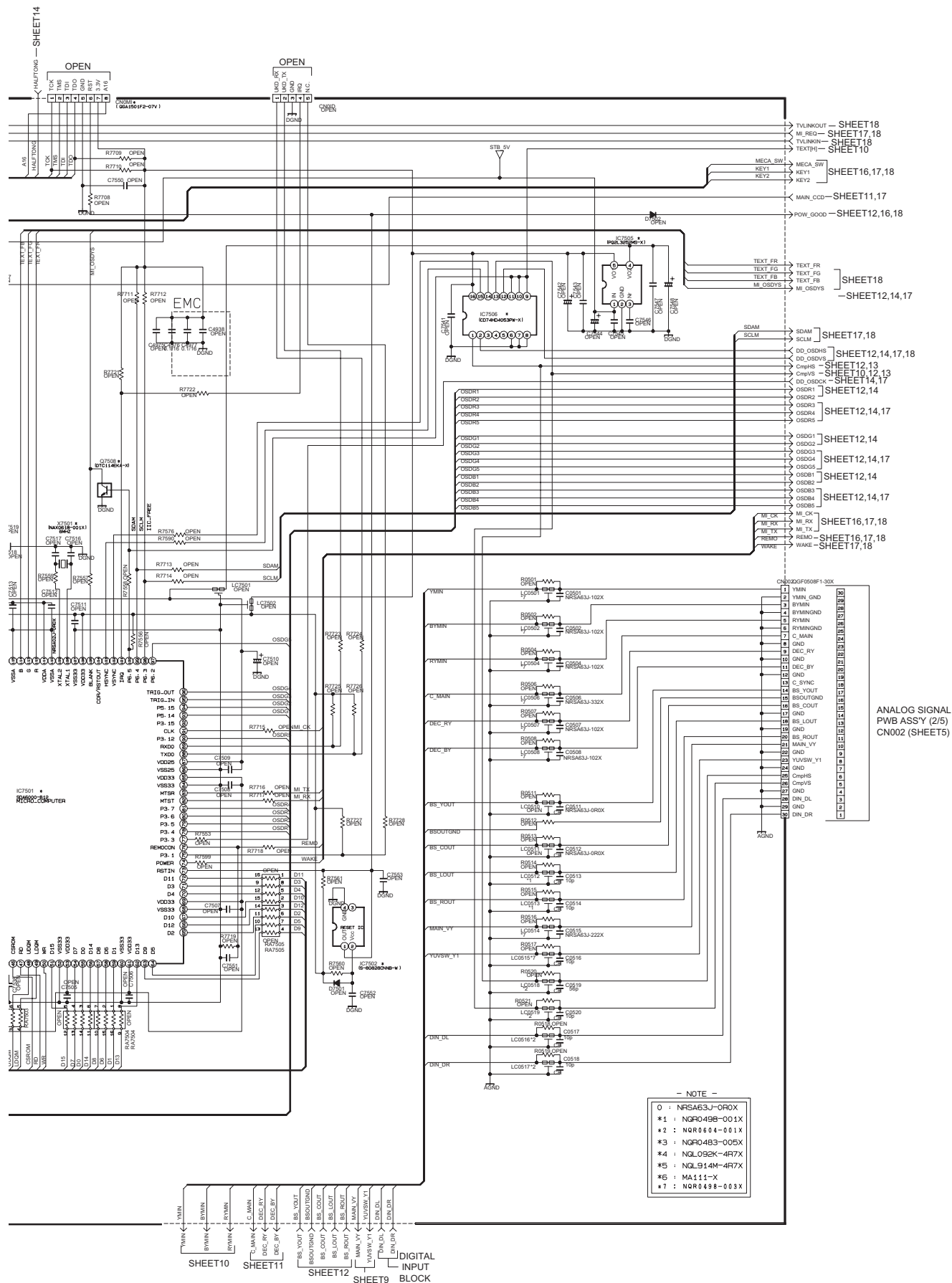


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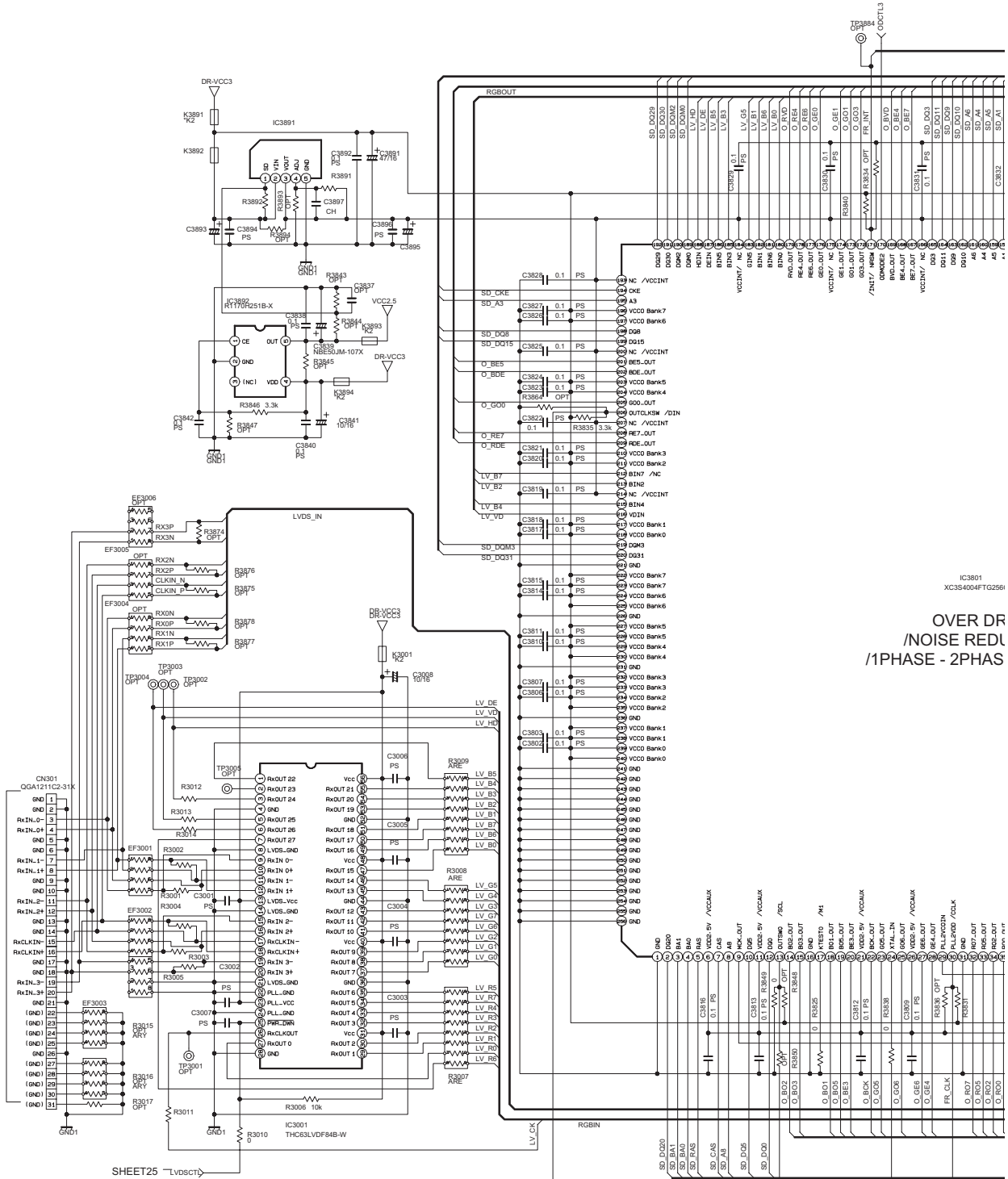
DIGITAL SIGNAL PWB ASS'Y (11/11)

SRP0D034A-M2 [HD-52G456]
SRP0D033A-M2 [HD-55G456]
SRP0D045A-M2 [HD-55G466]
SRP0D032A-M2 [HD-61Z456]



c10381001a012_0823_12/12_0.0

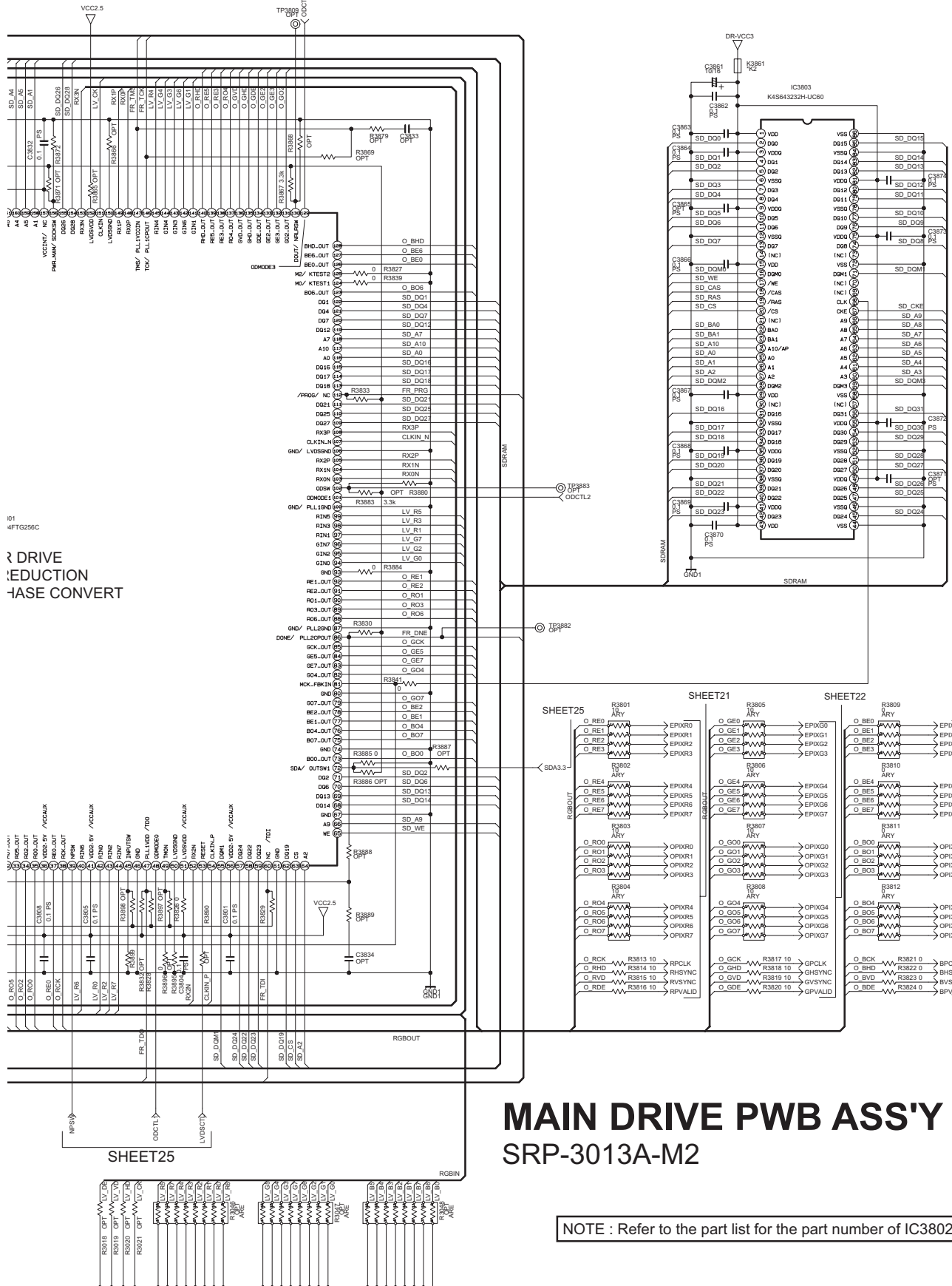
DIGITALSIGNAL
PWB ASSY(7/11)
CN0LV2
(SHEET15)



OVER DR
/NOISE REDL
/1PHASE - 2PHAS

OPEN

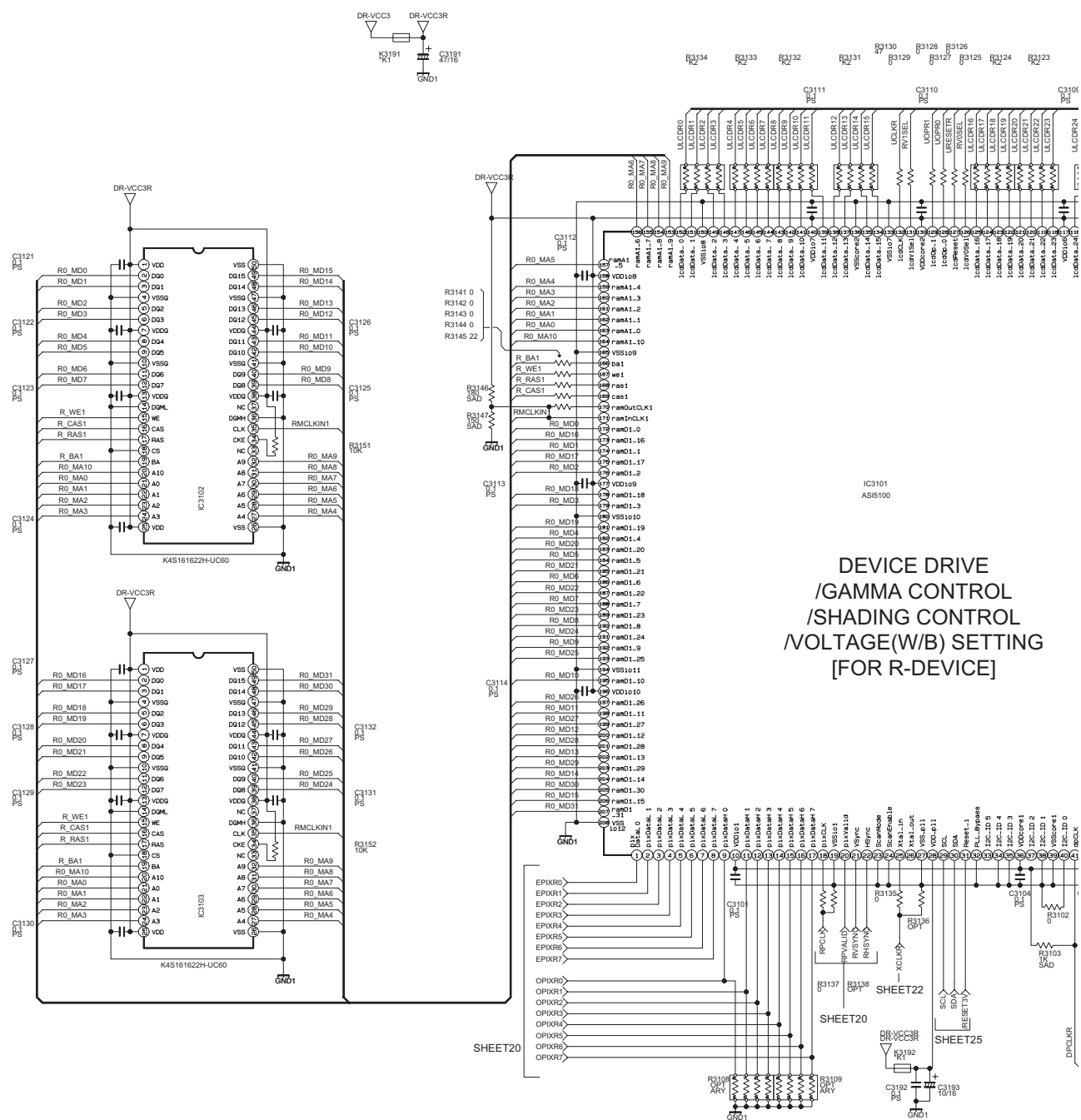
SHEET25



MAIN DRIVE PWB ASS'Y (1/7) SRP-3013A-M2

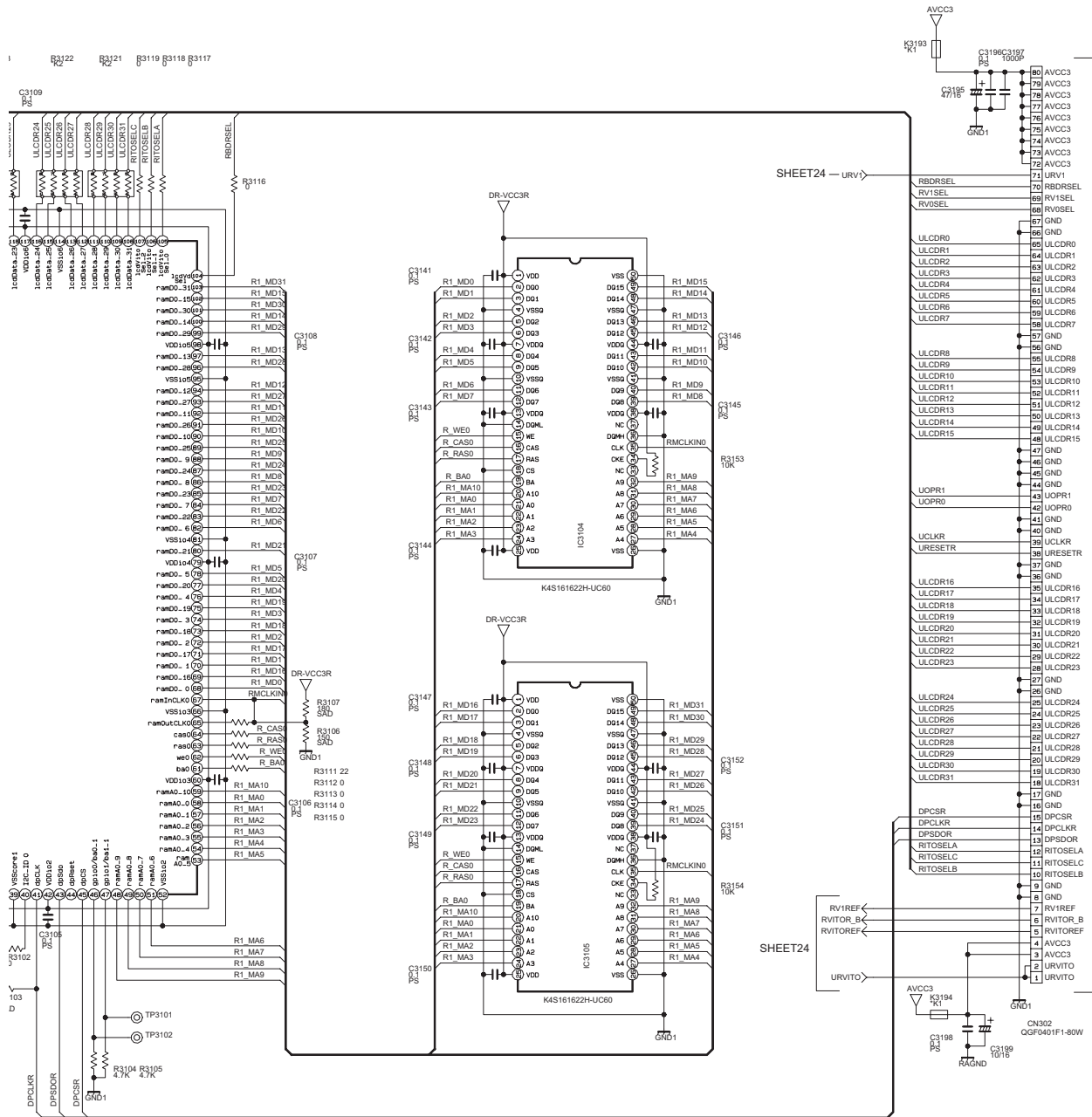
NOTE : Refer to the part list for the part number of IC3802.

2-49(No.YA336)



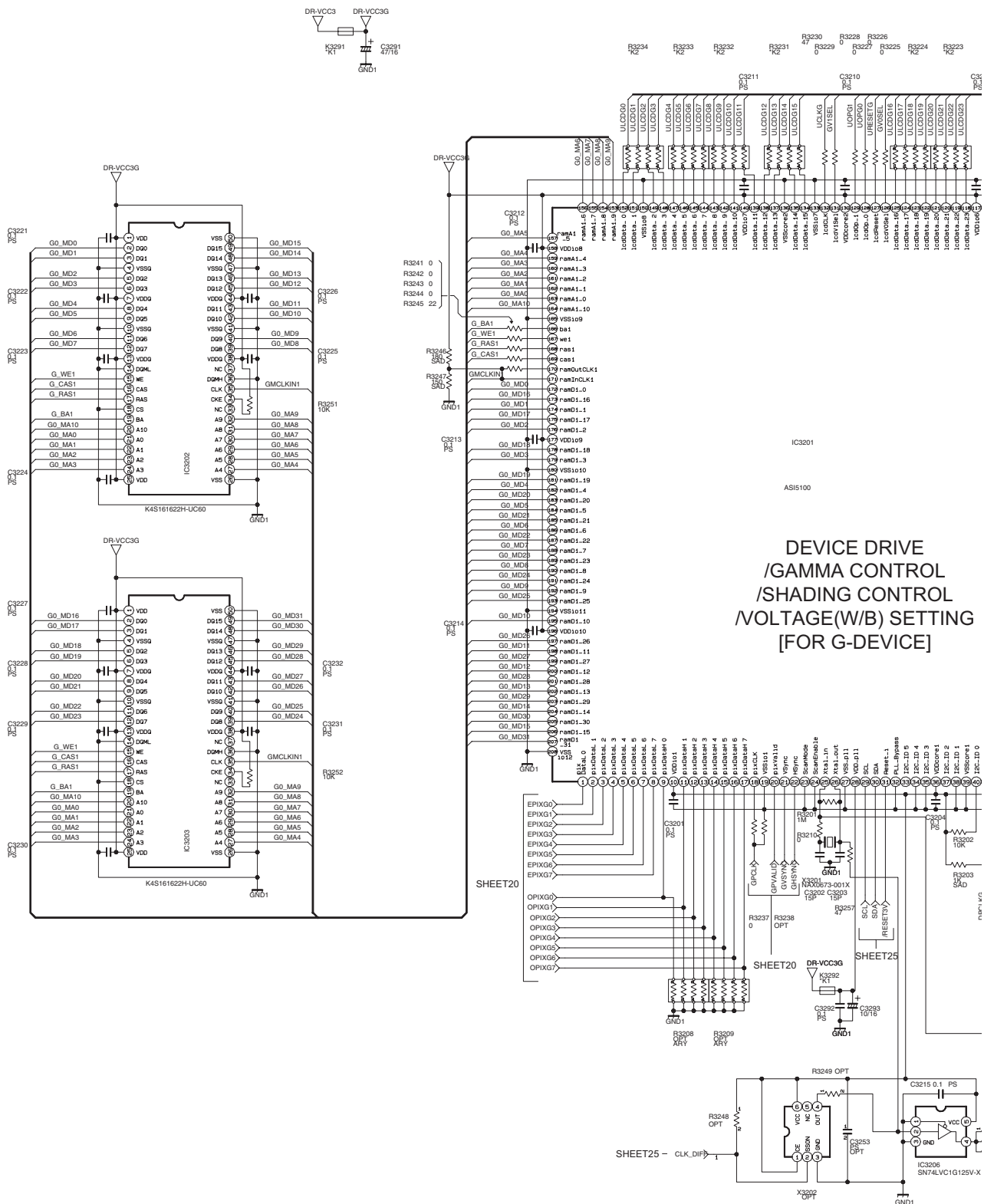
MAIN DRIVE PWB ASS'Y (2/7)

SRP-3013A-M2

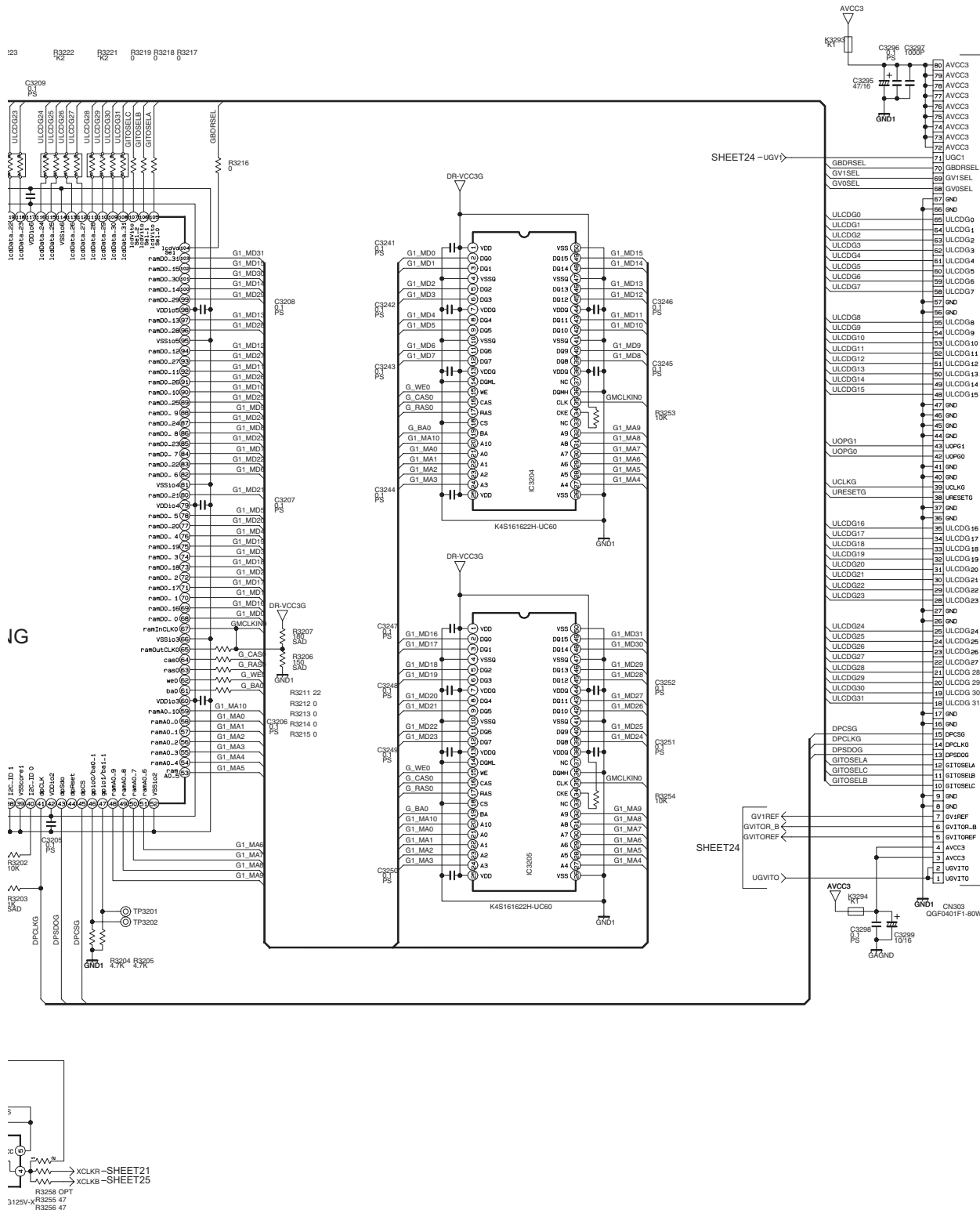


R D-ILA
DEVICE

c10391001a002_1011_2/7_0.1

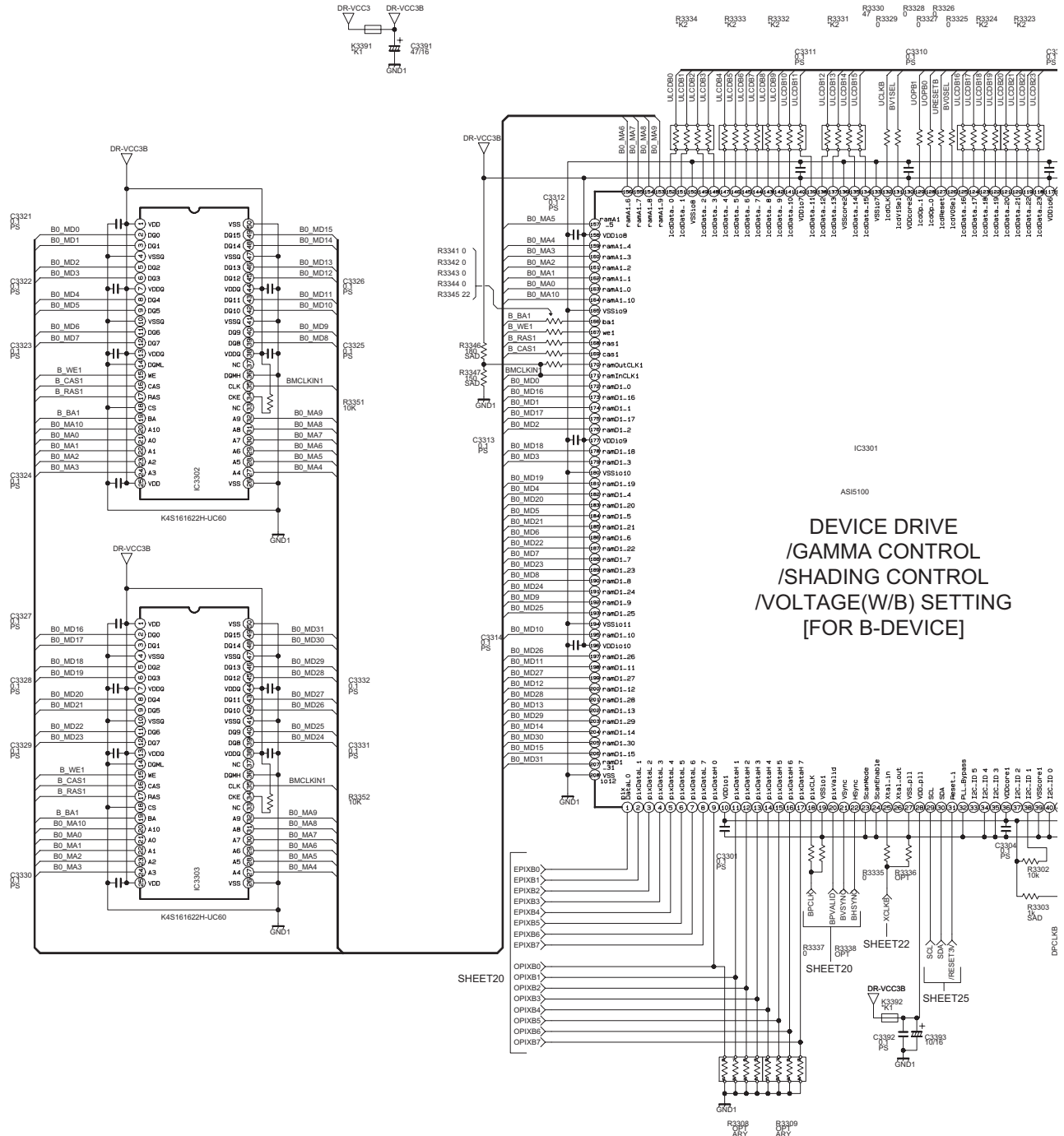


SRP-3013A-M2

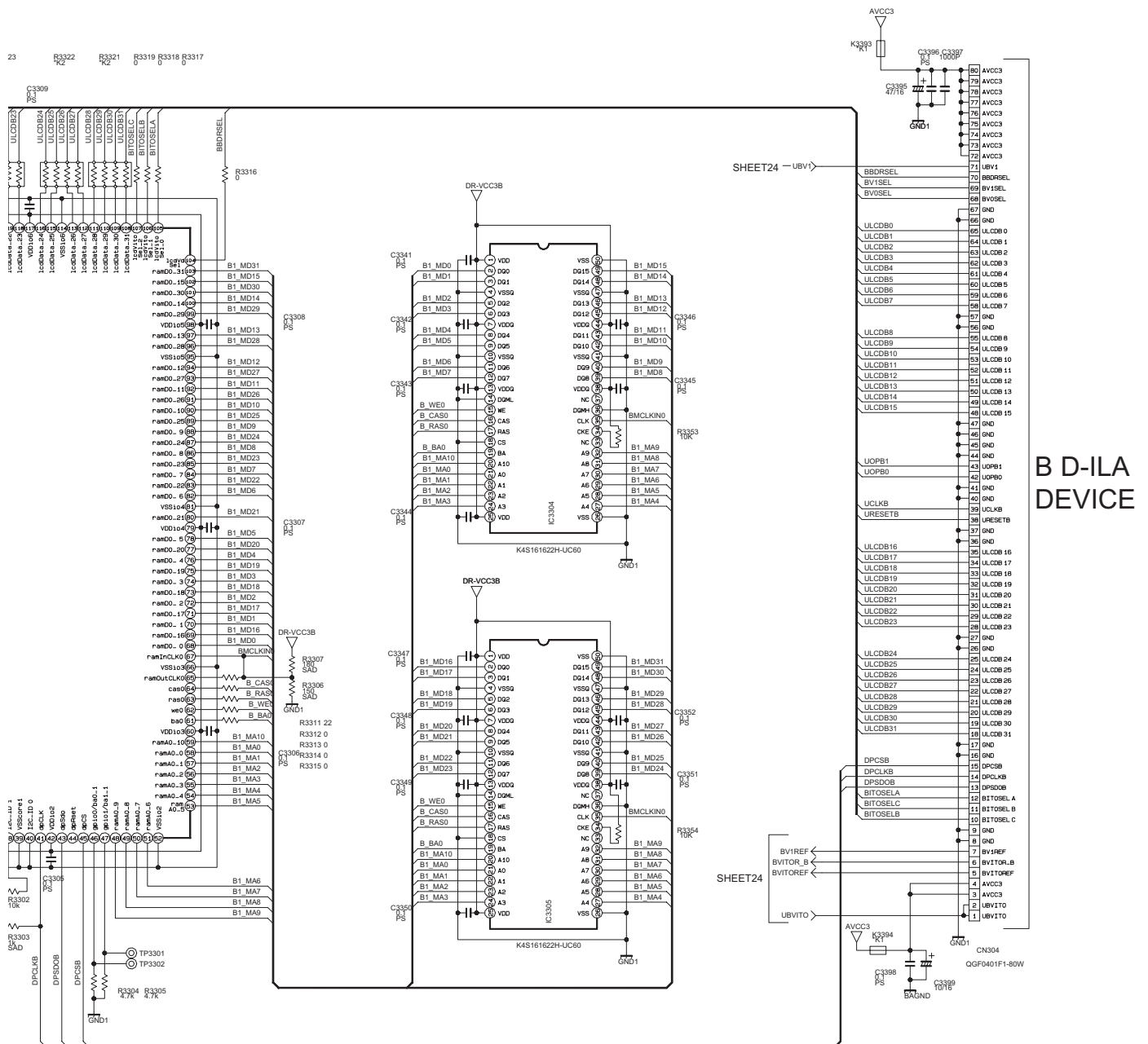


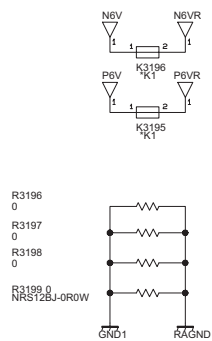
G D-ILA
DEVICE

MAIN DRIVE PWB CIRCUIT DIAGRAM (4/7) [B_DRIVER] SHEET 23

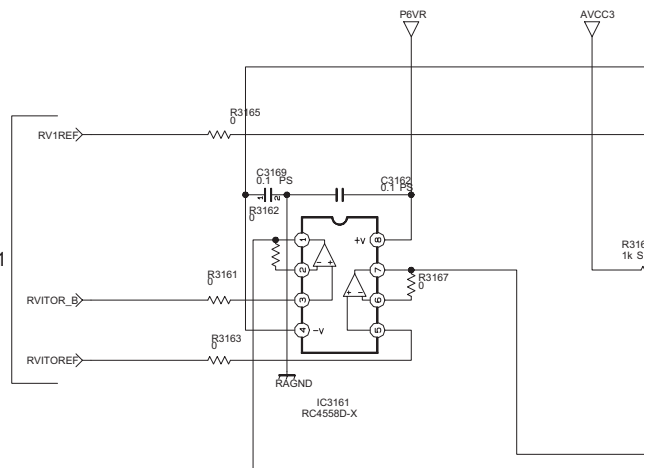


SRP-3013A-M2



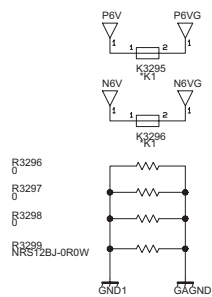


SHEET21

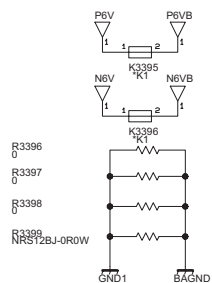
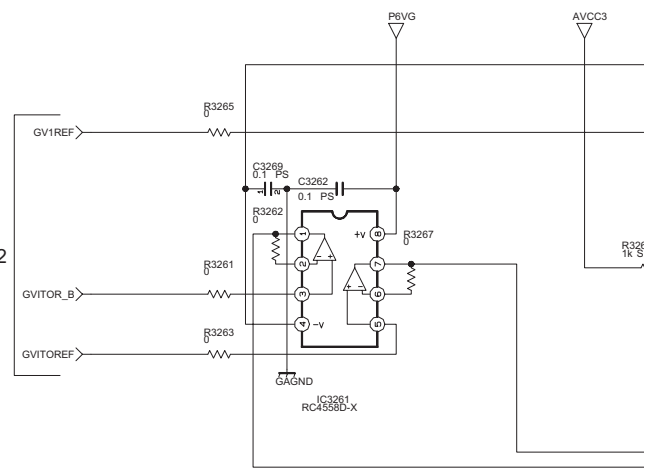


MAIN DRIVE PWB ASS'Y (5/7)

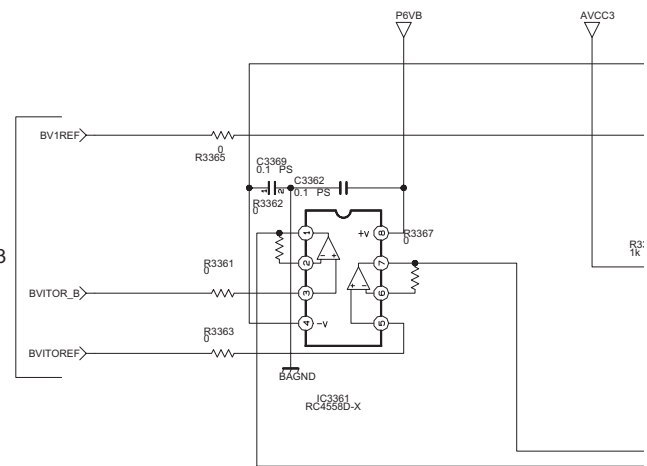
SRP-3013A-M2

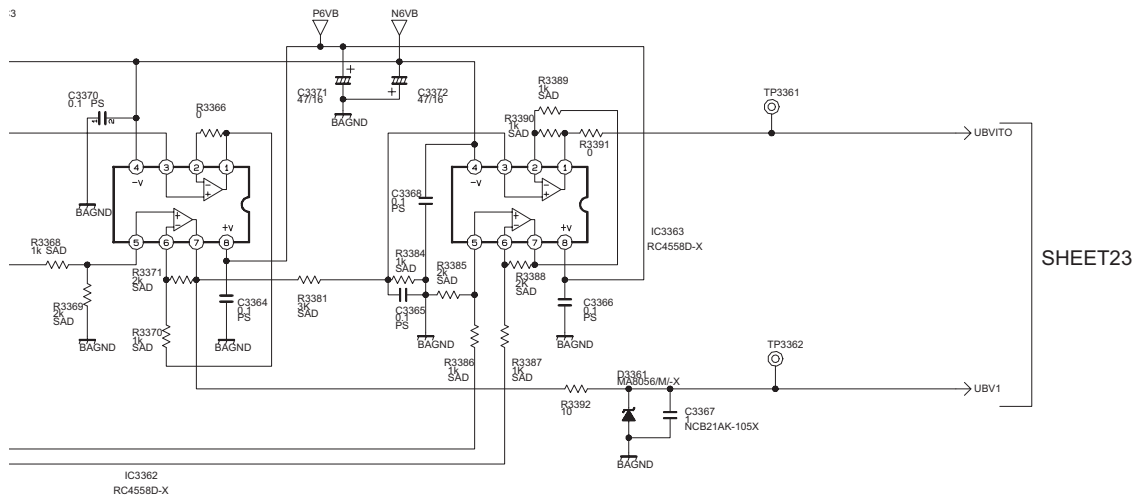
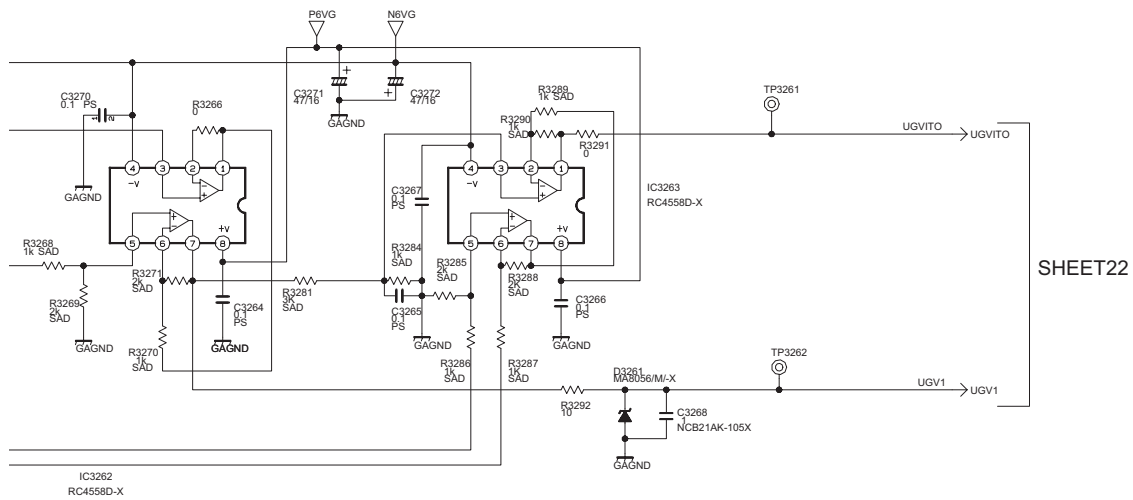
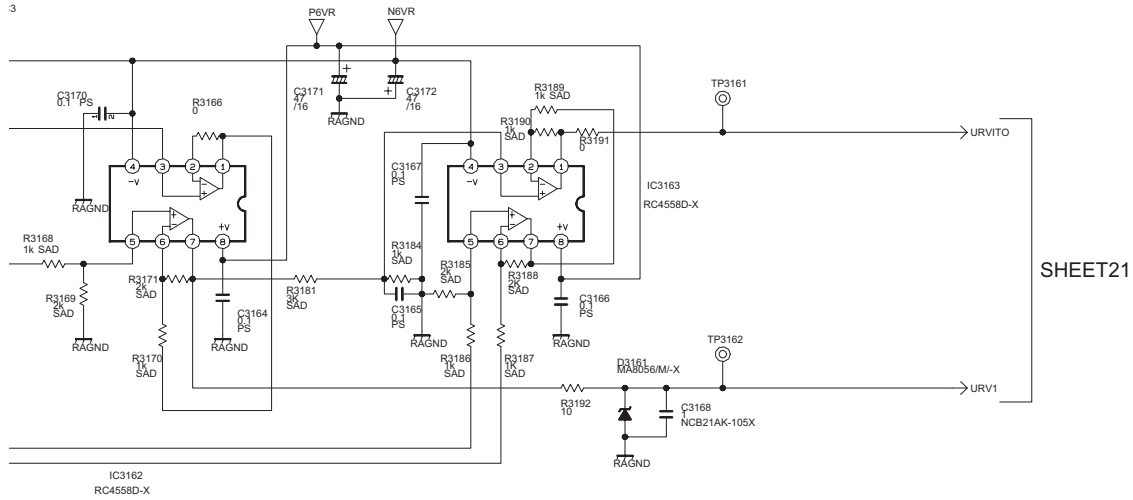


SHEET22



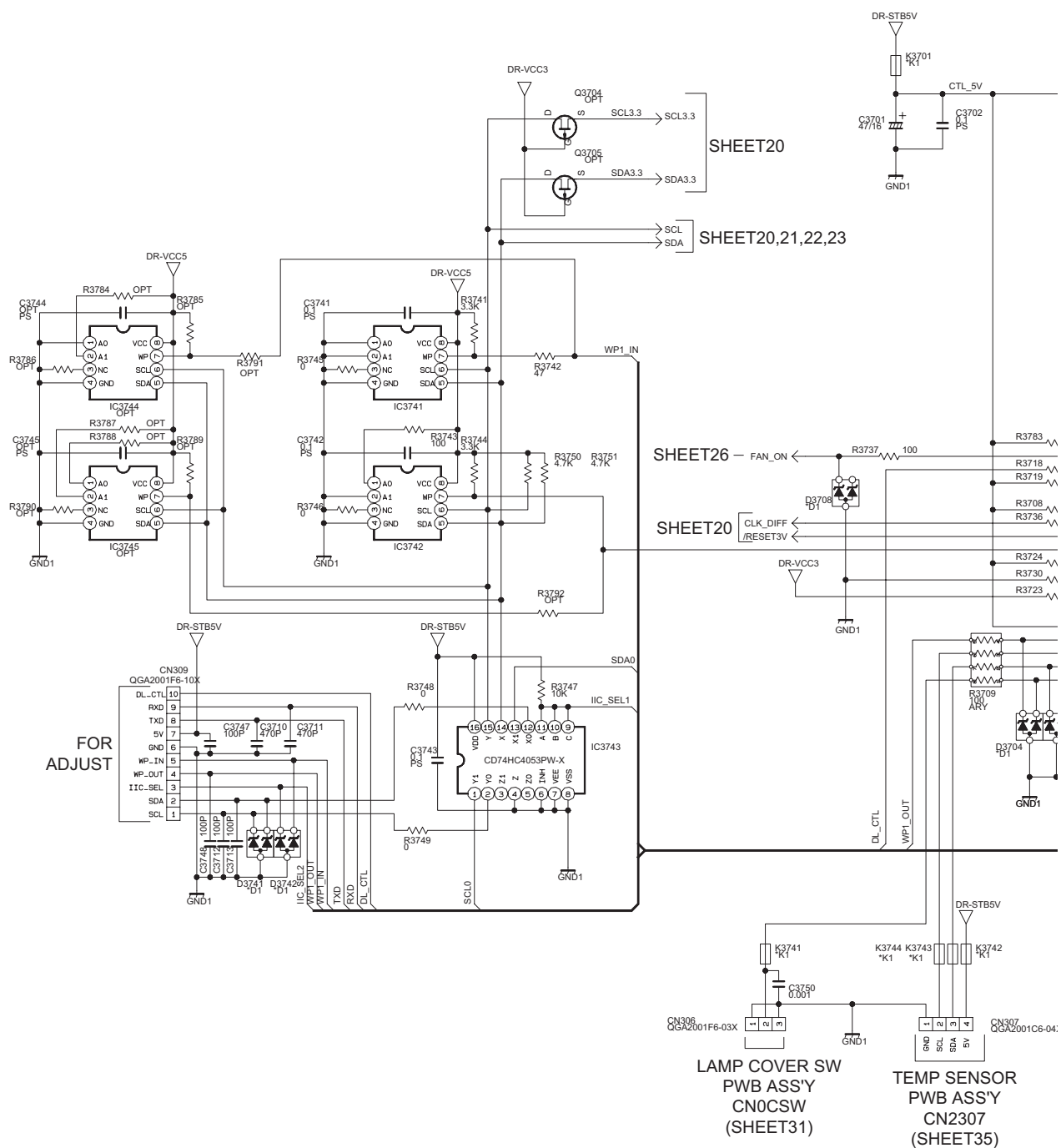
SHEET23

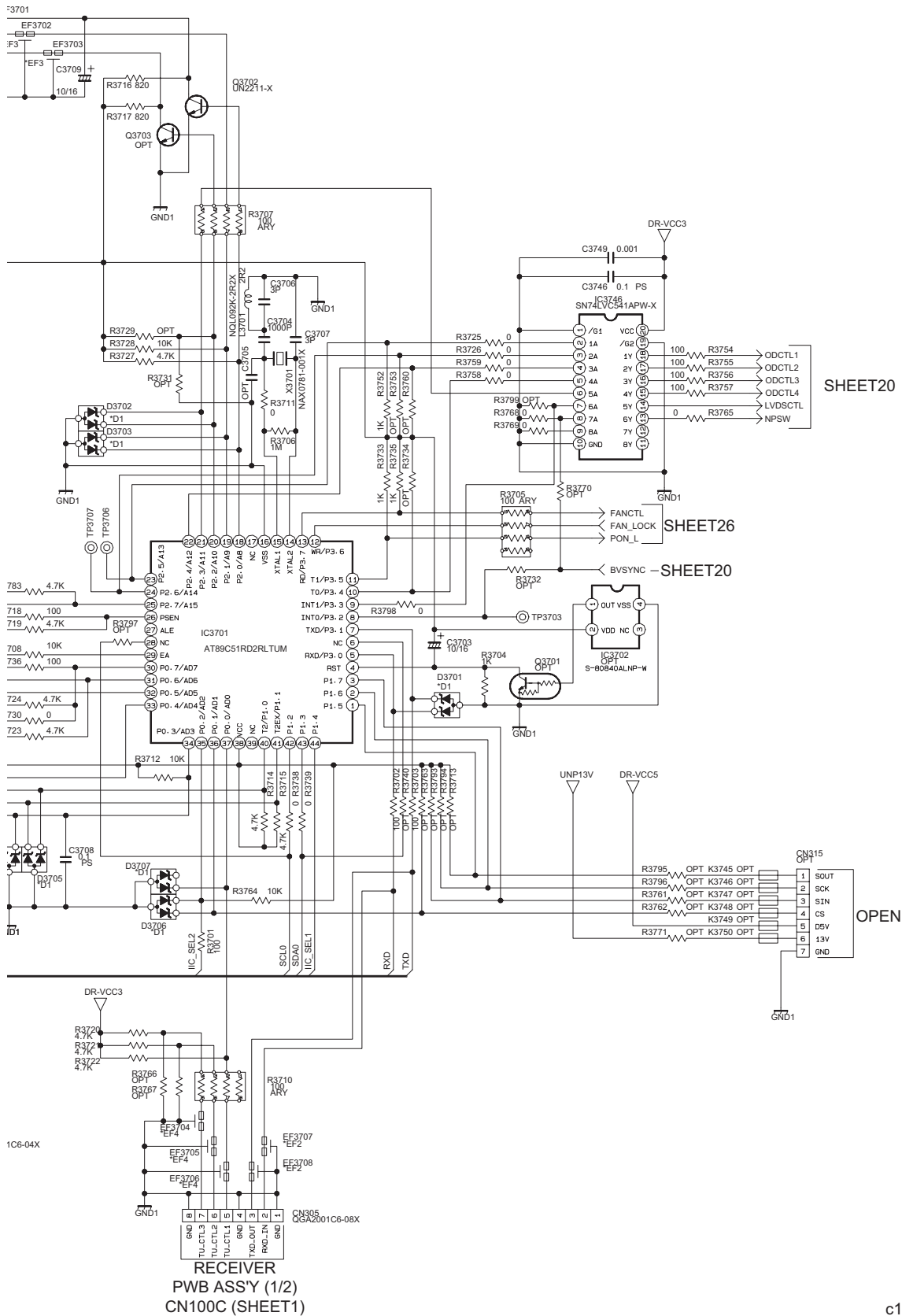




MAIN DRIVE PWB ASS'Y (6/7)

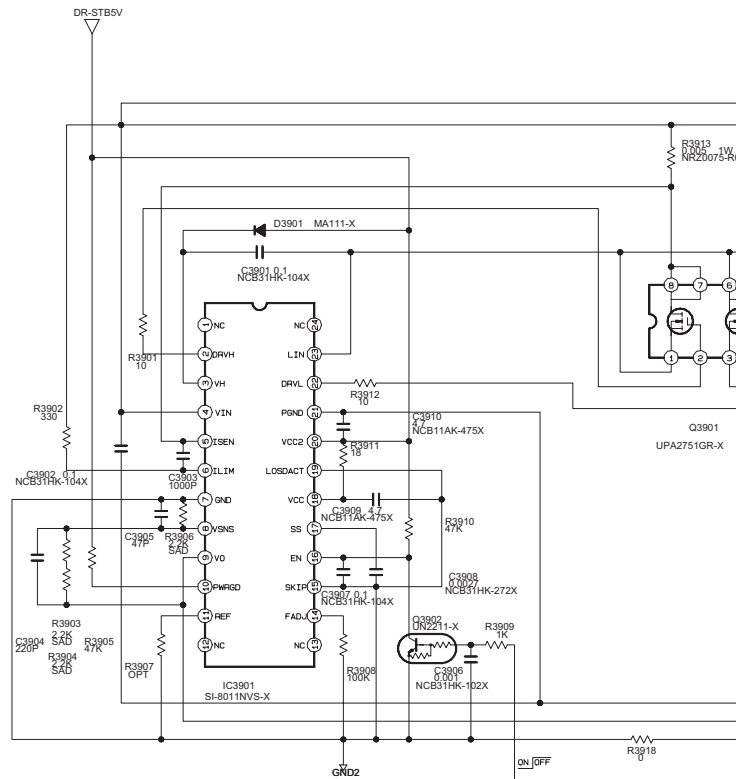
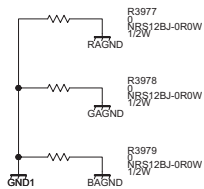
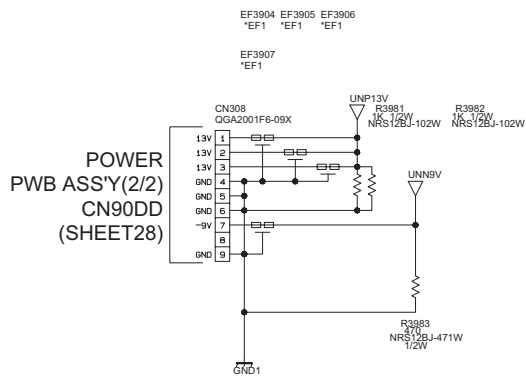
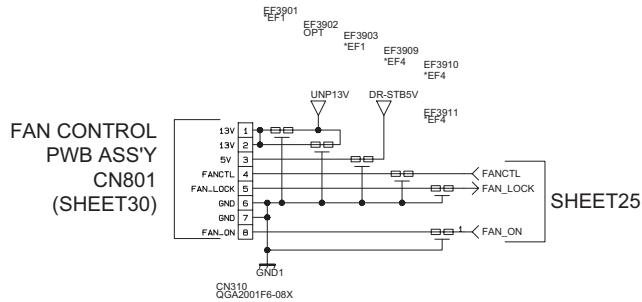
SRP-3013A-M2



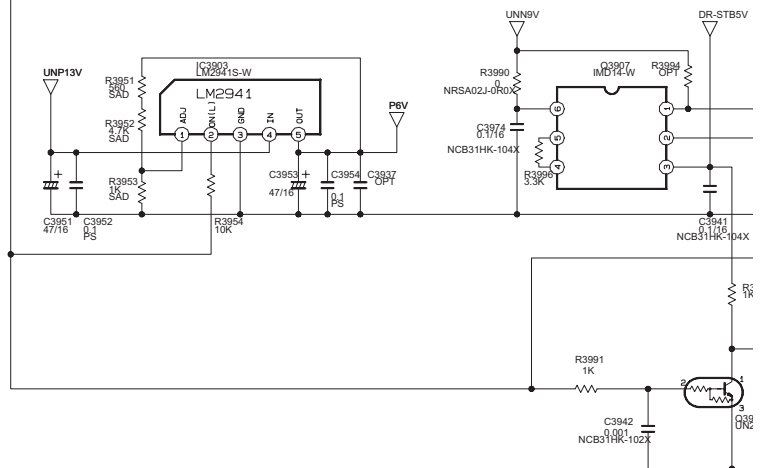


c10391001a006_1011_6/7_0.1

MAIN DRIVE PWB CIRCUIT DIAGRAM (7/7) [POWER_REGULATOR] SHEET 26

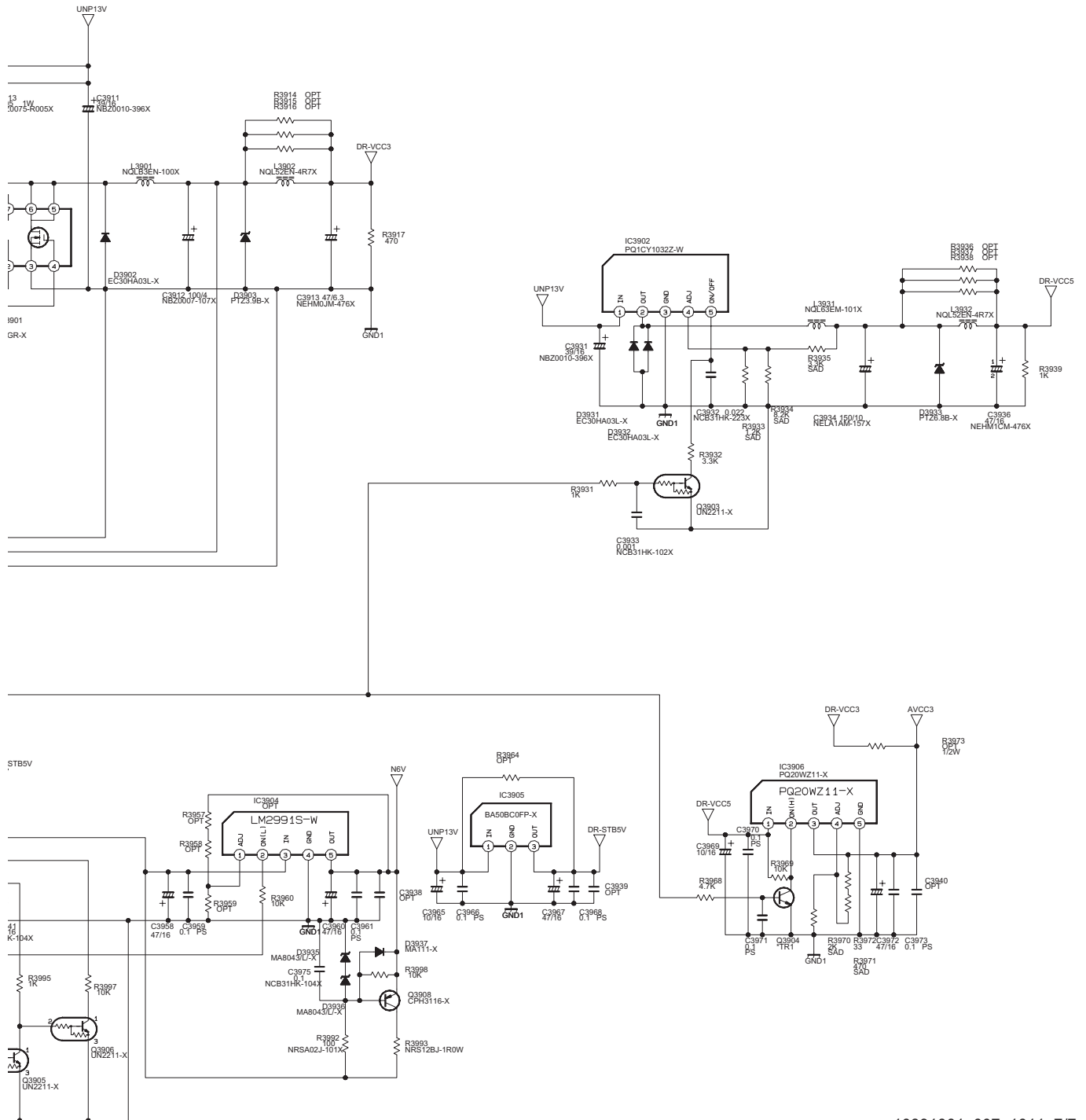


SHEET25 - PON_

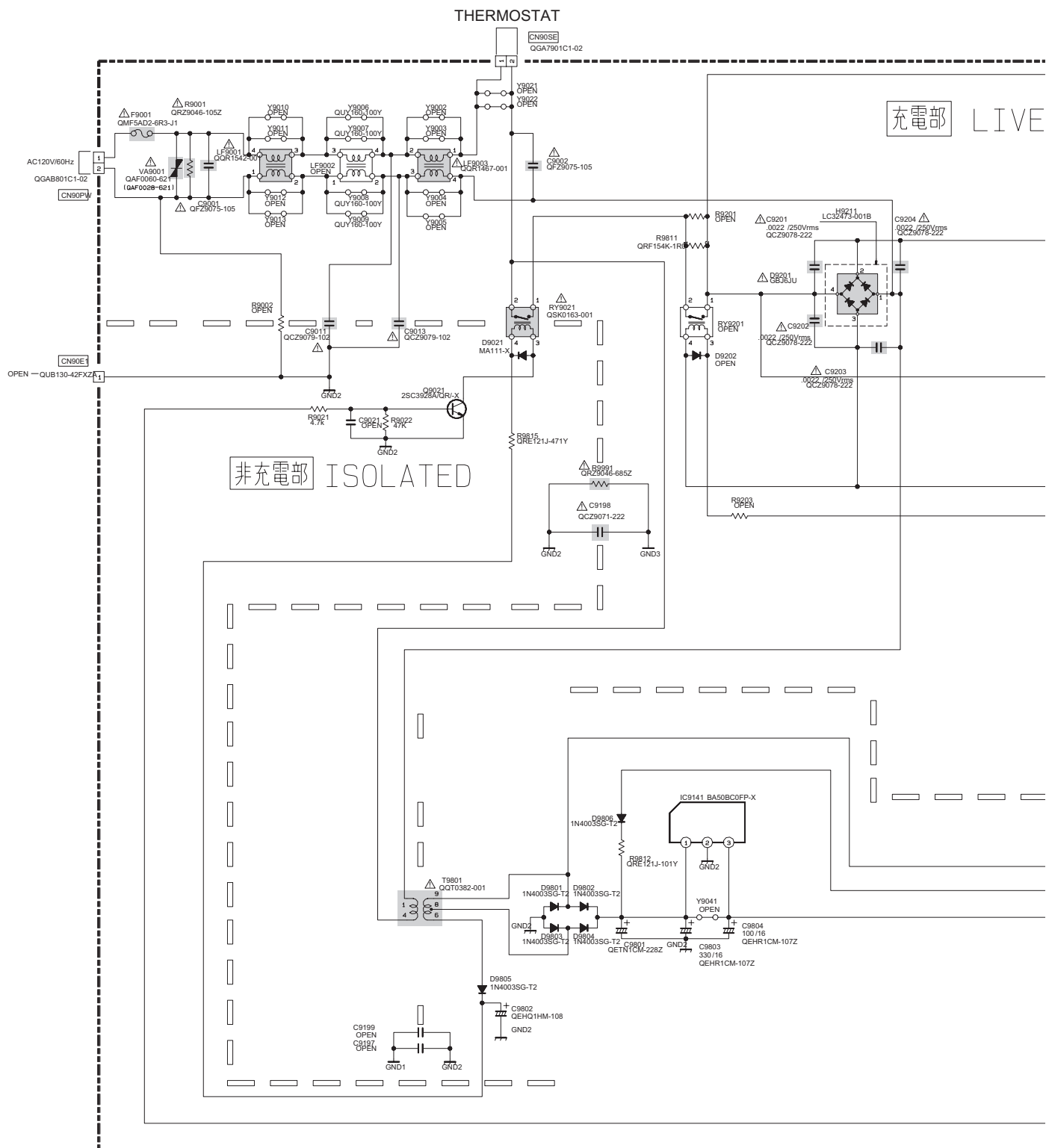


MAIN DRIVE PWB ASS'Y (7/7)

SRP-3013A-M2

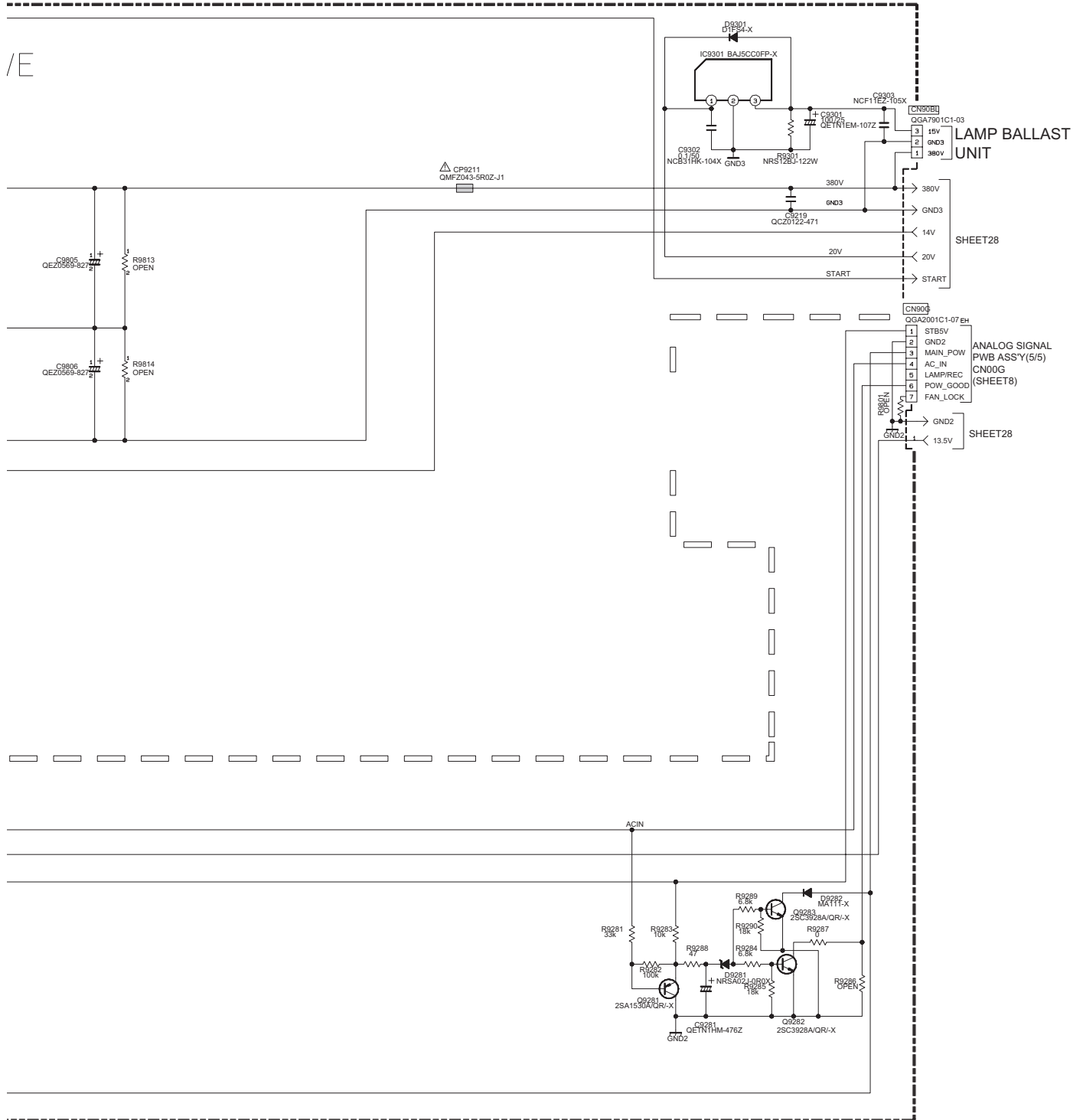


c10391001a007_1011_7/7_0.1



POWER PWB ASS'Y (1/2)

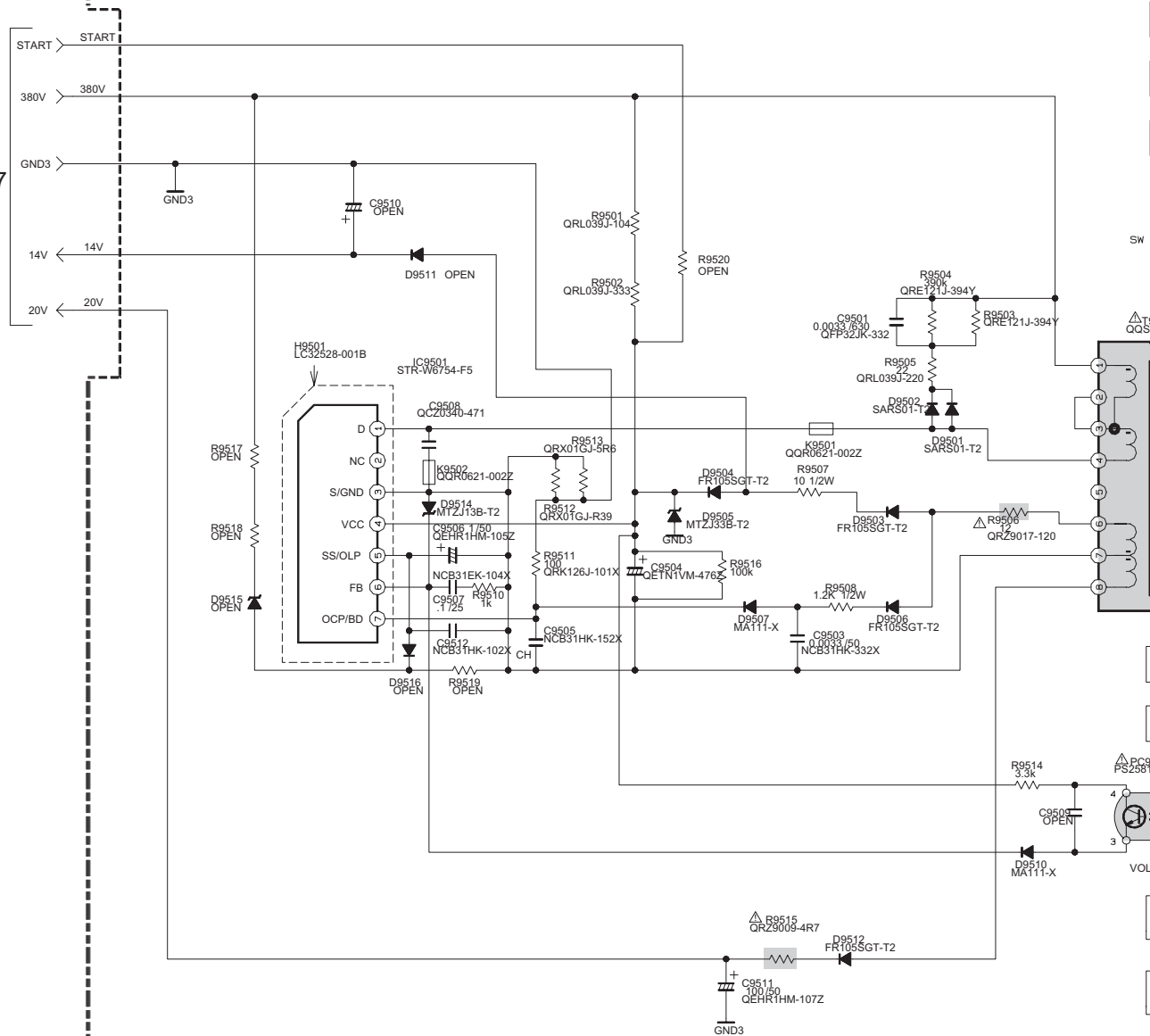
SRP-9025A-M2



c20165-001a001_0823_1/2_0.0

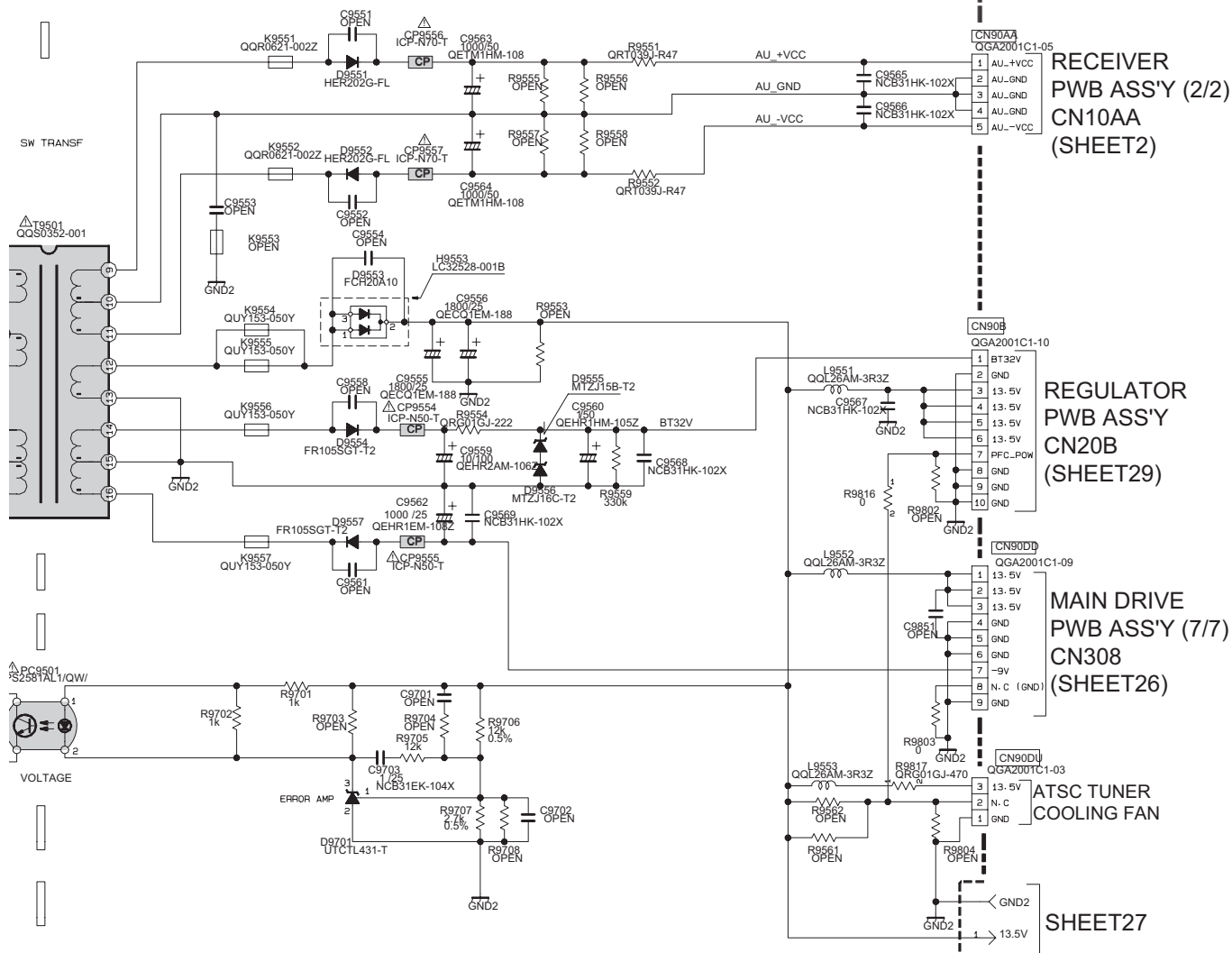
SHEET27

充電部 LIVE



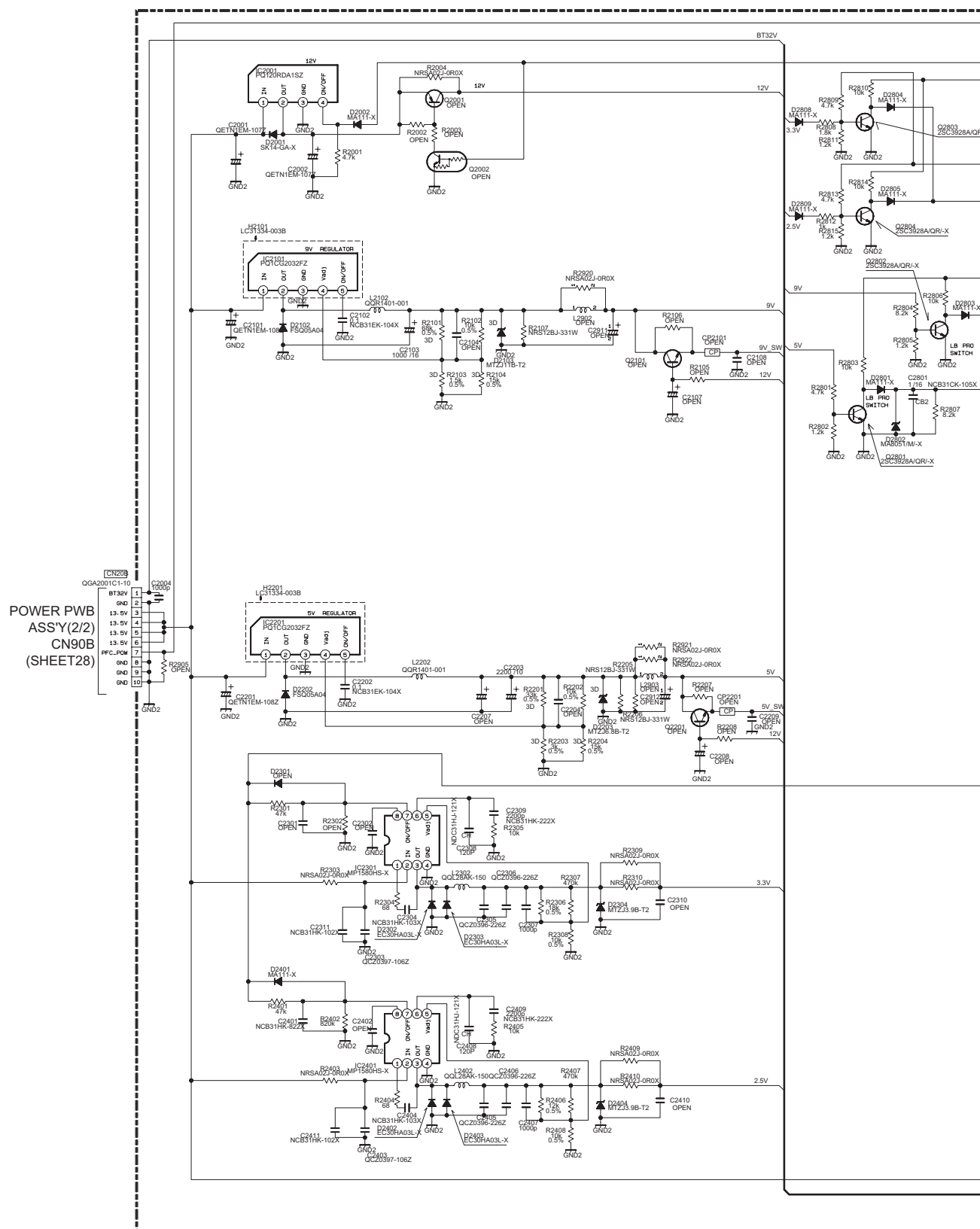
POWER PWB ASS'Y (2/2)
SRP-9025A-M2

非充電部 ISOLATED

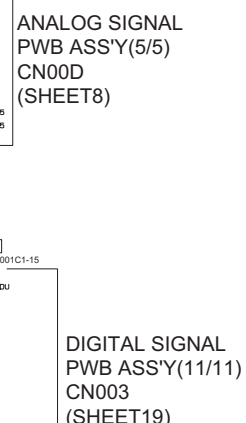


c20165-001a002_0823_2/2_0.0

REGULATOR PWB CIRCUIT DIAGRAM SHEET 29

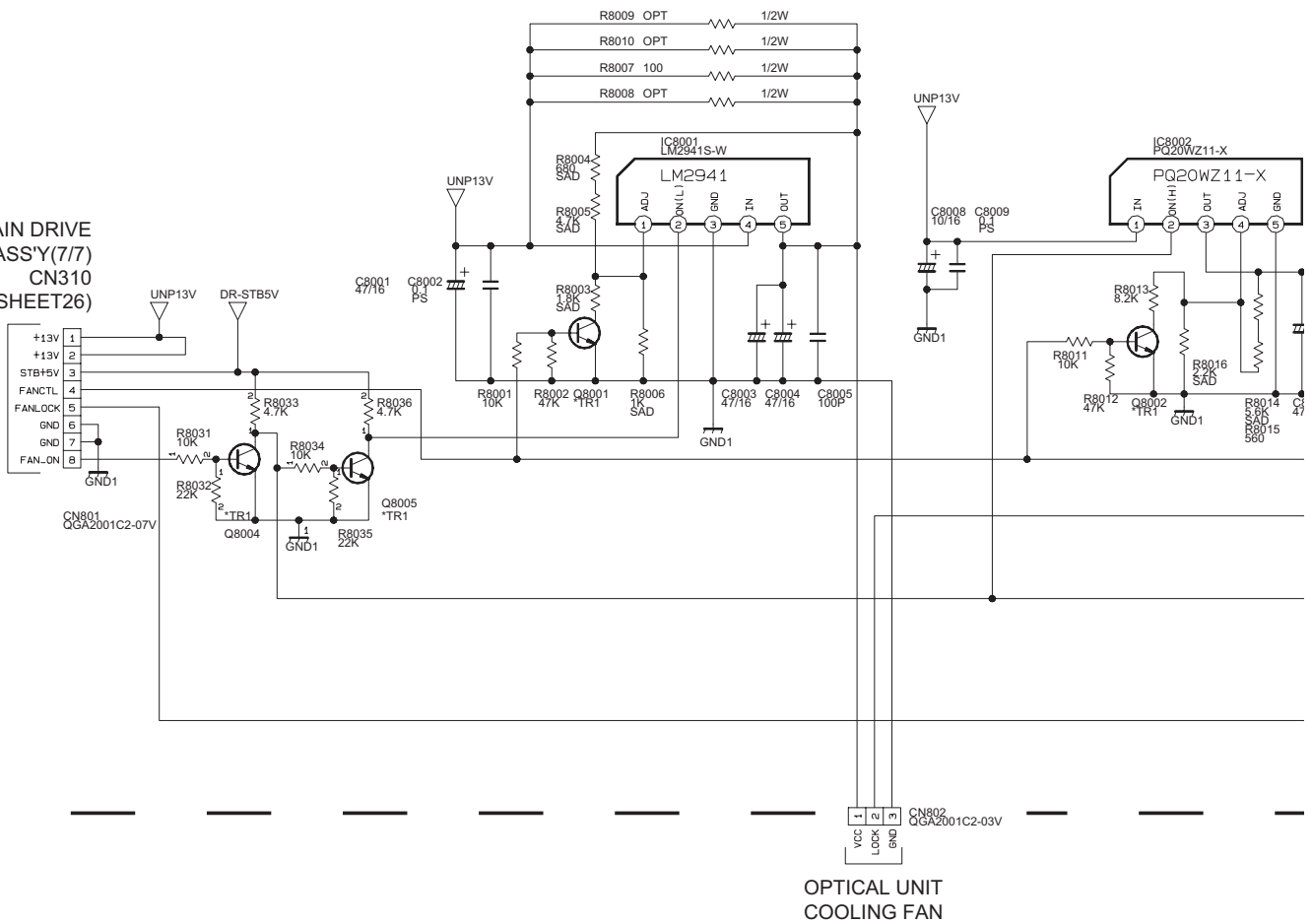


SRP-2025A-M2



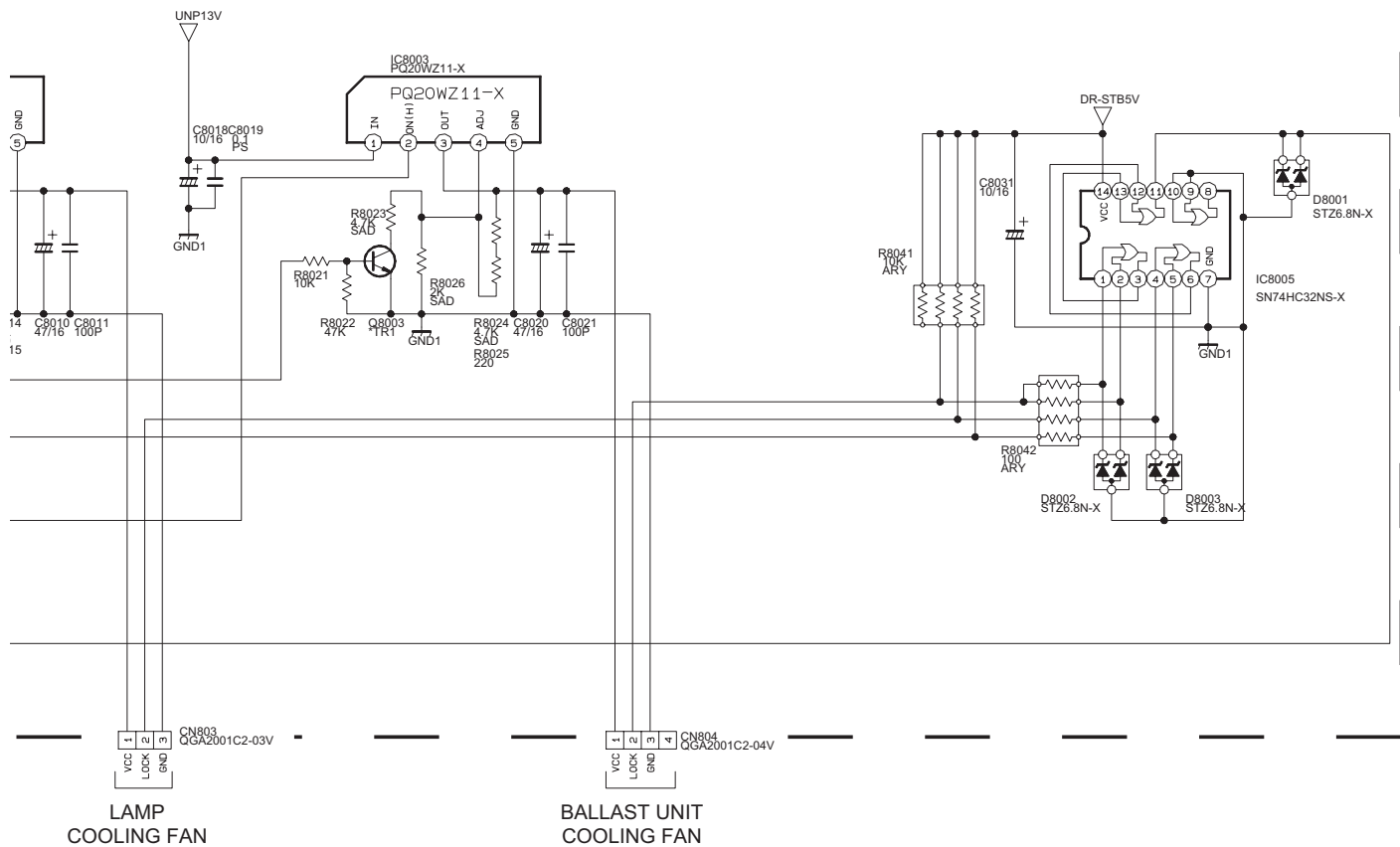
(No.YA336)2-66

MAIN DRIVE
PWB ASS'Y(7/7)
CN310
(SHEET26)

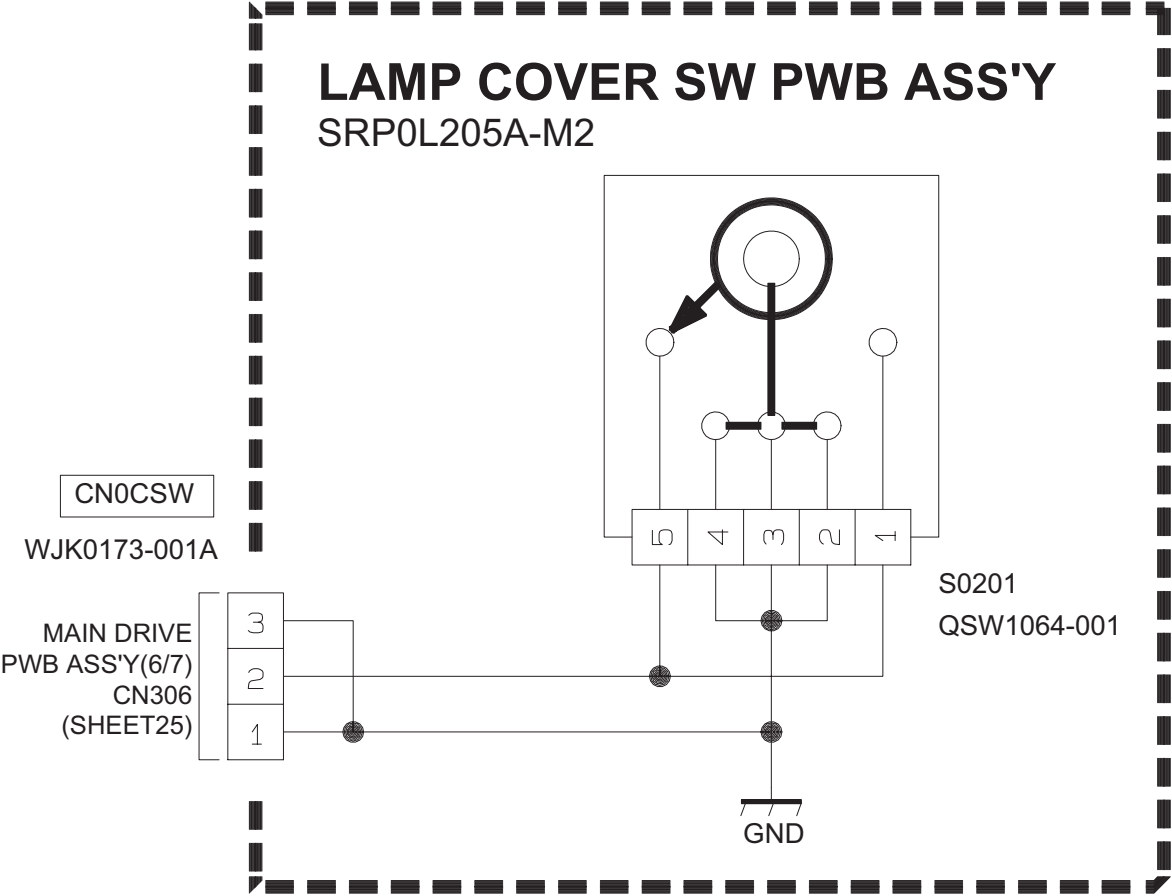


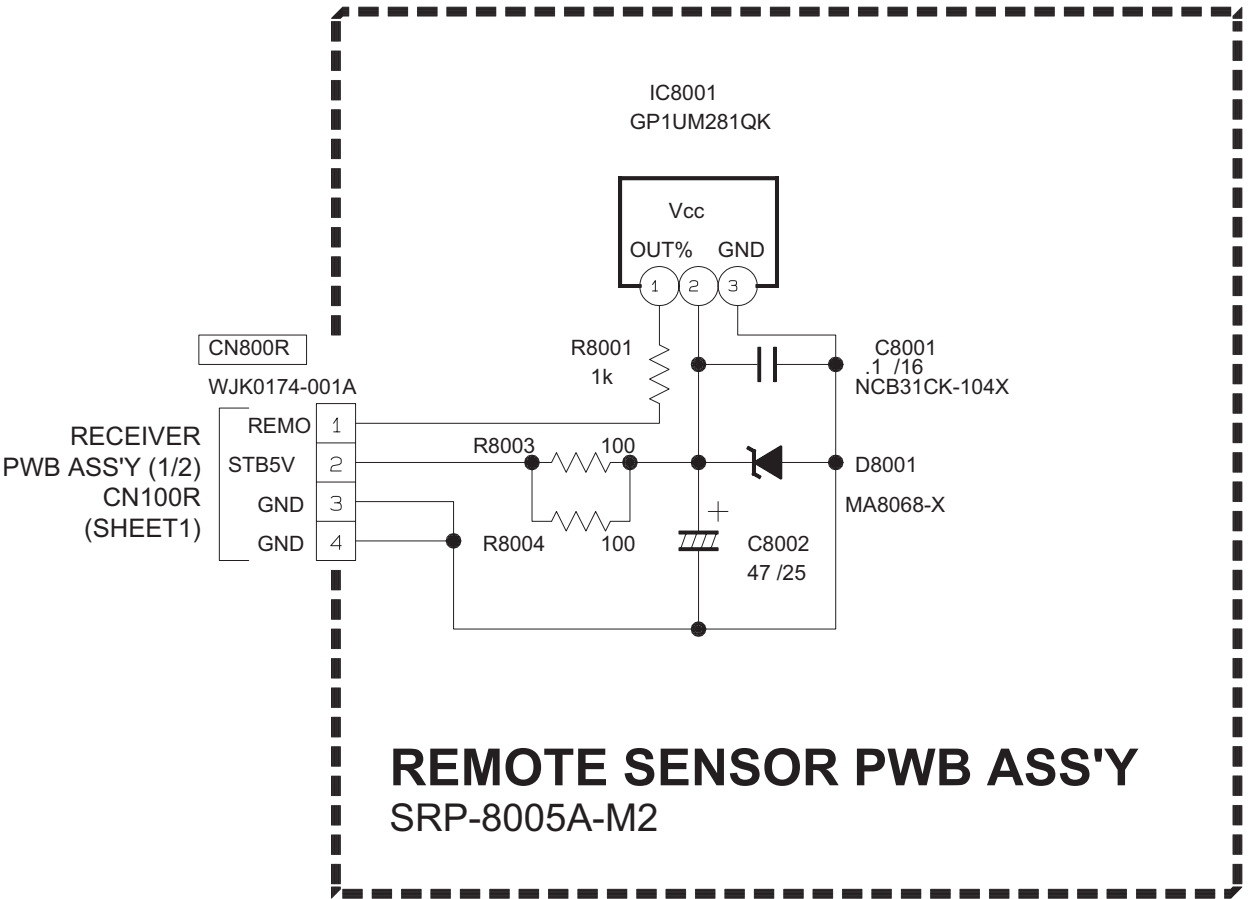
FAN CONTROL PWB ASS'Y

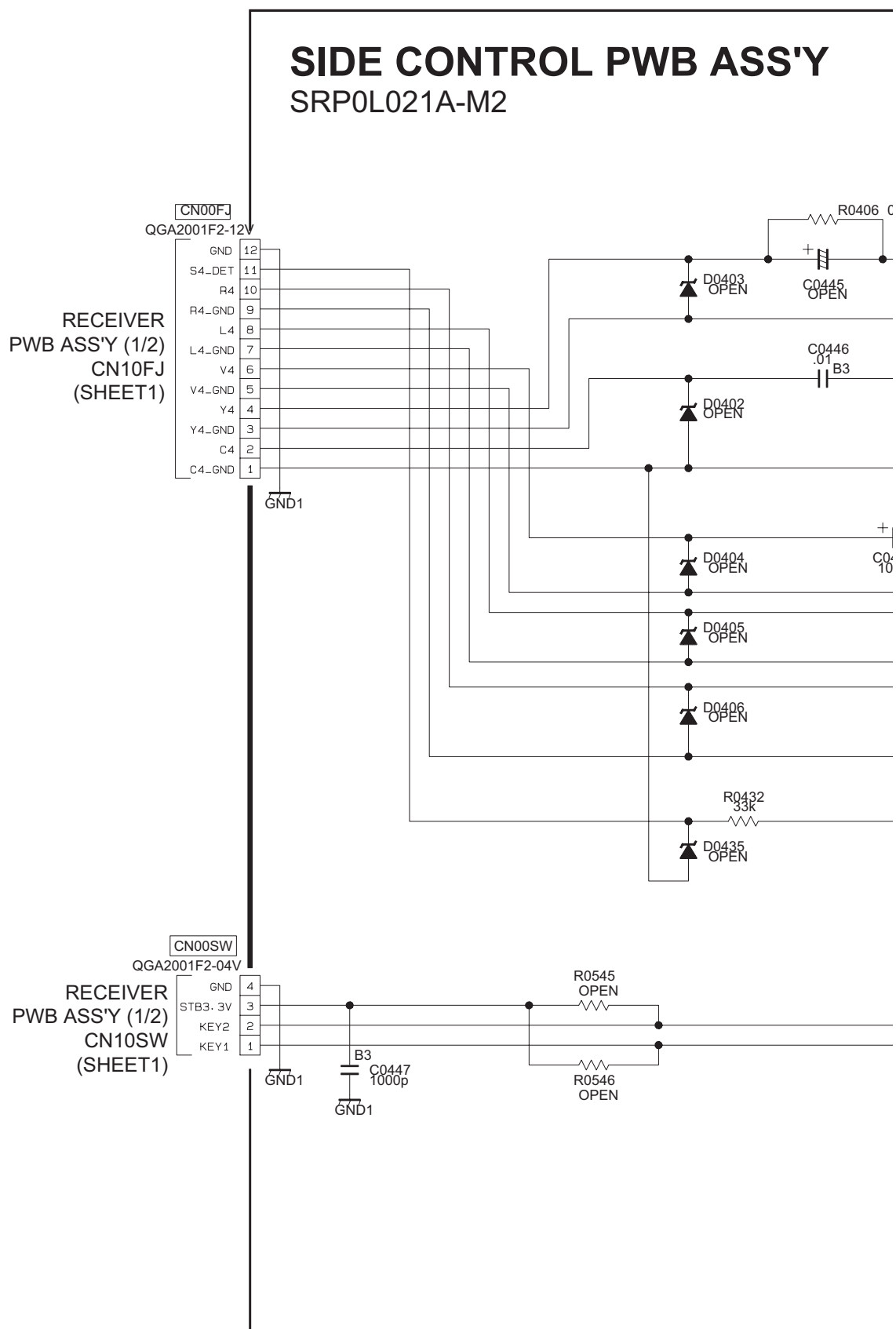
SRP-8109A-M2

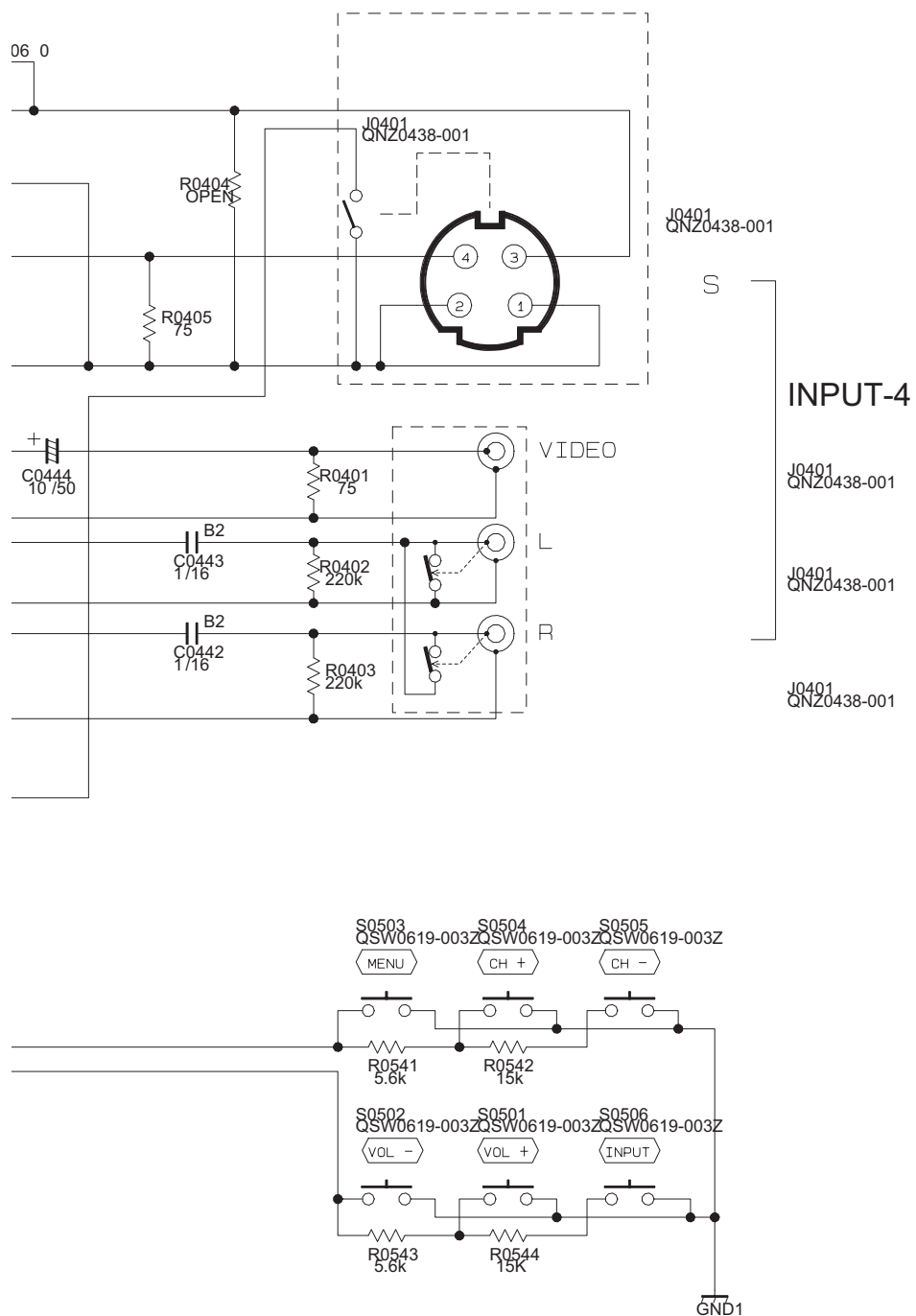


c10378001a001_0608_1/1_0.0

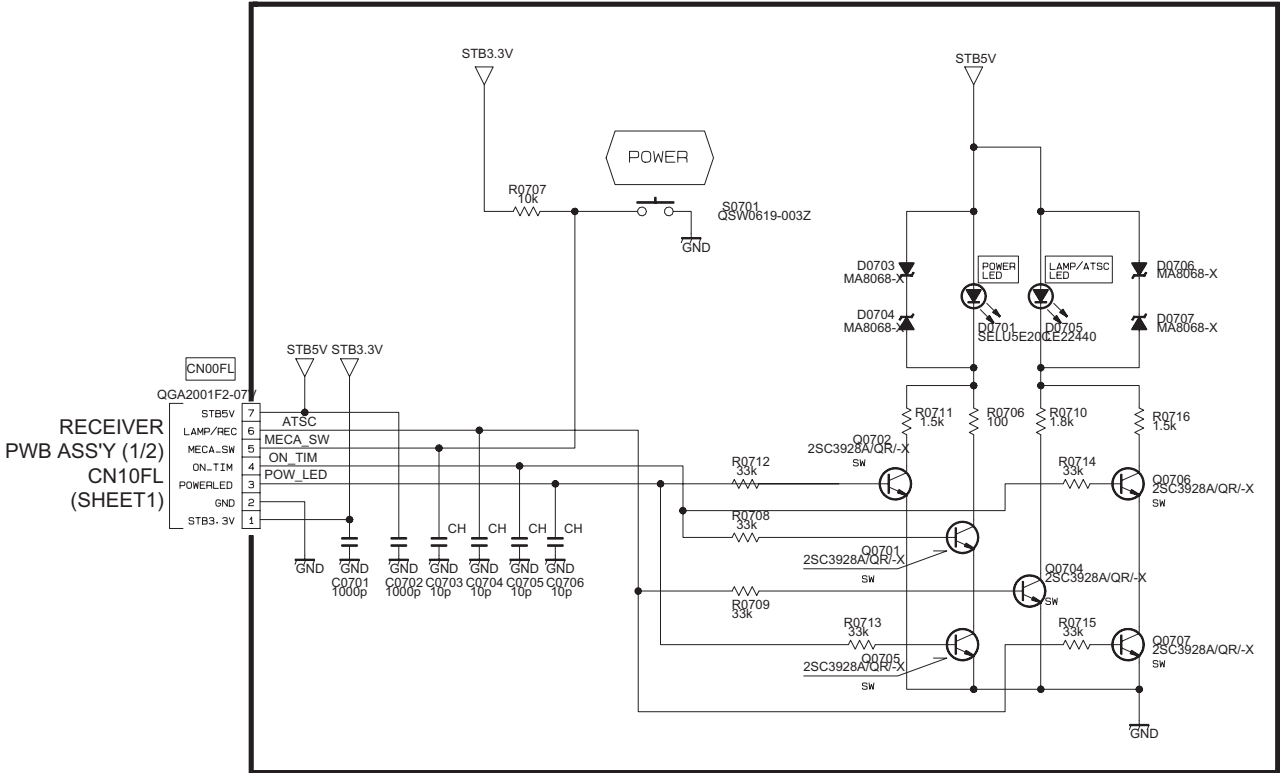


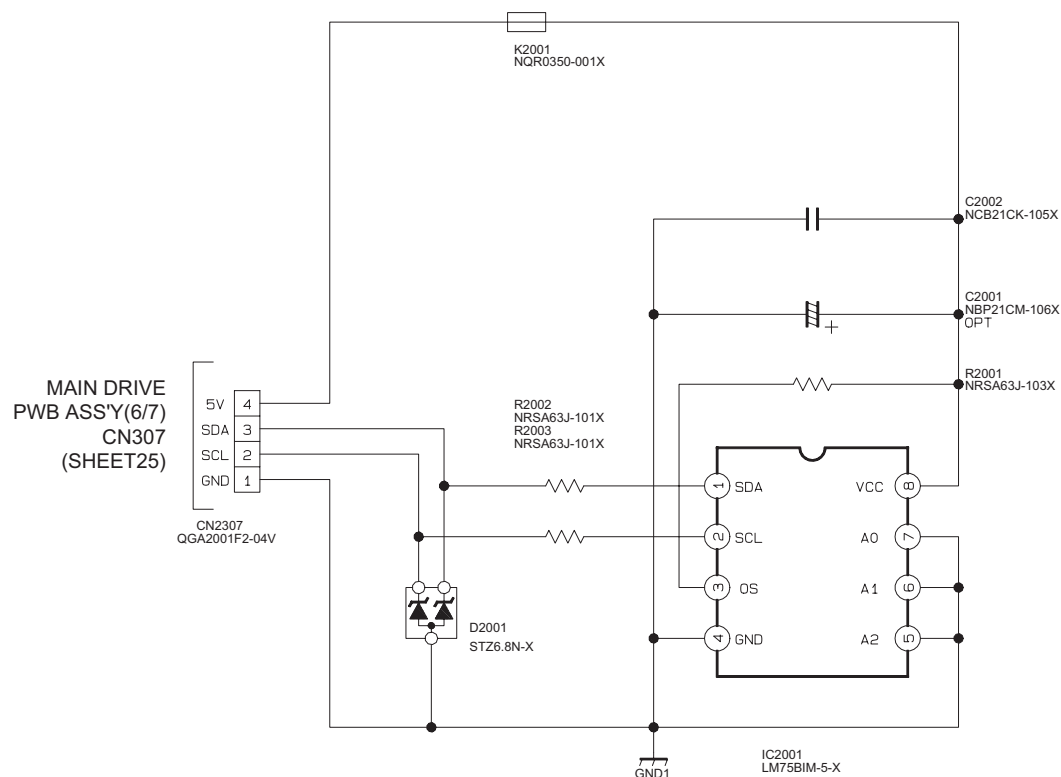






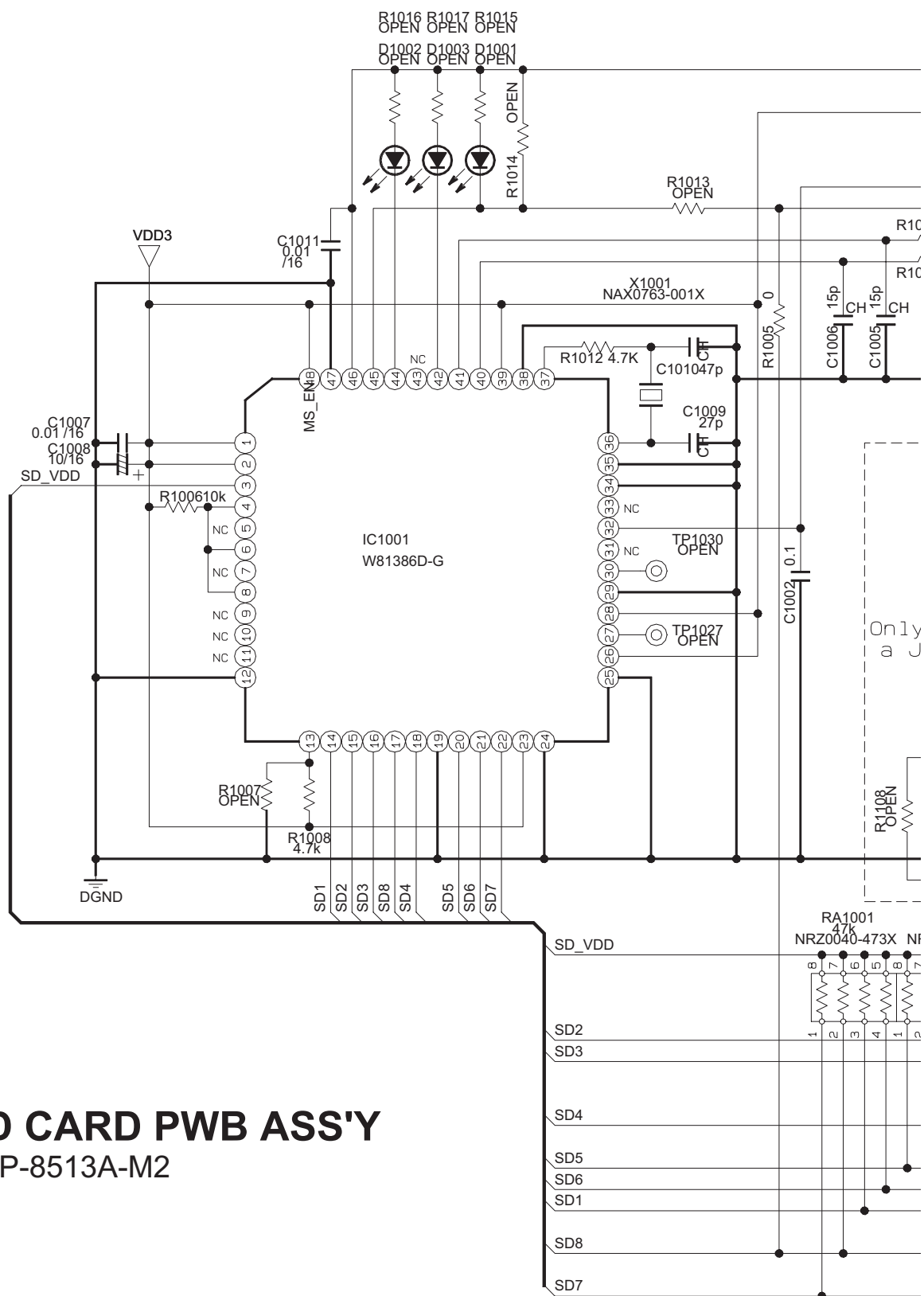
FRONT LED PWB ASS'Y
SRP0L121A-M2



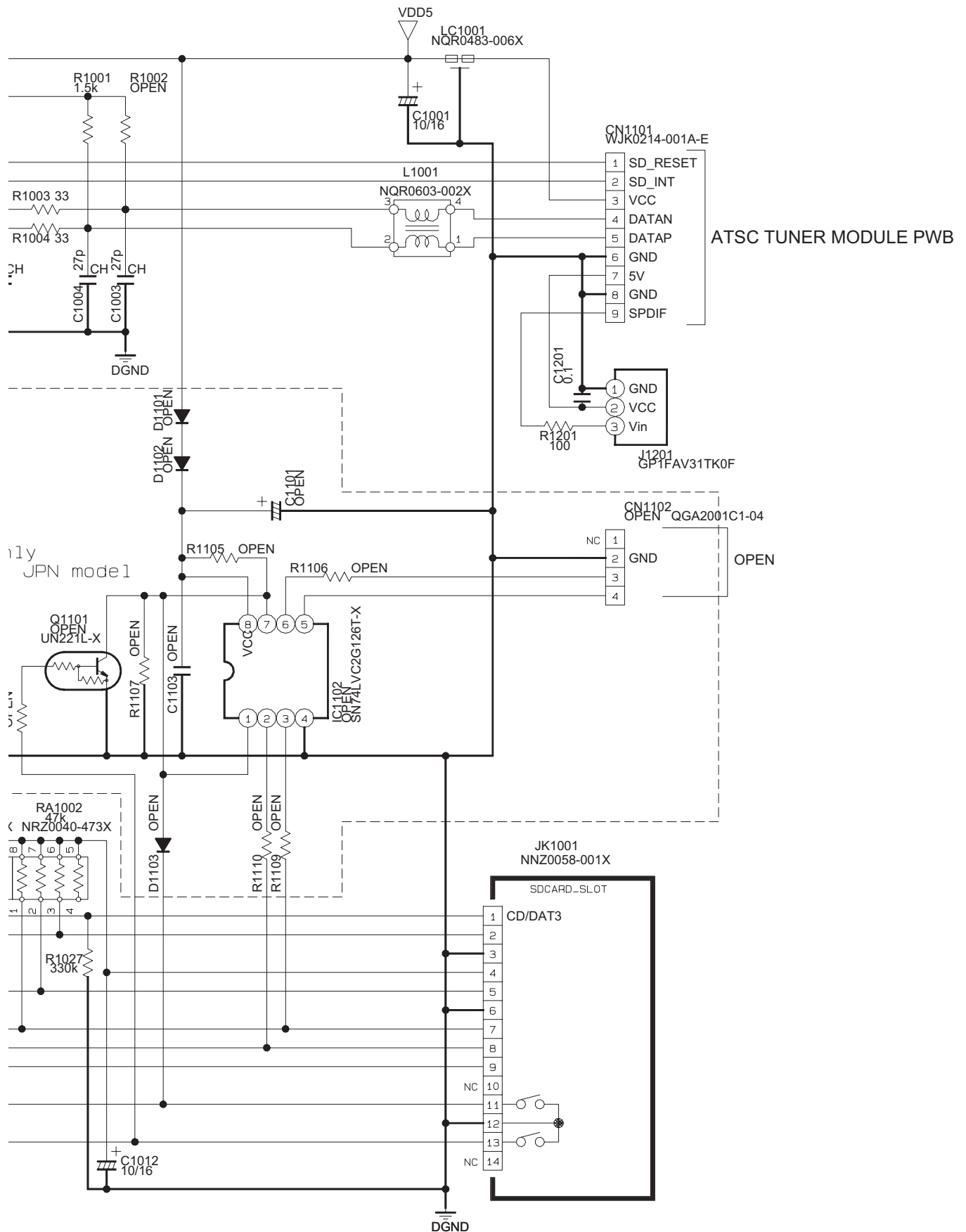


TEMP SENSOR PWB ASS'Y

SRP-8209A-M2

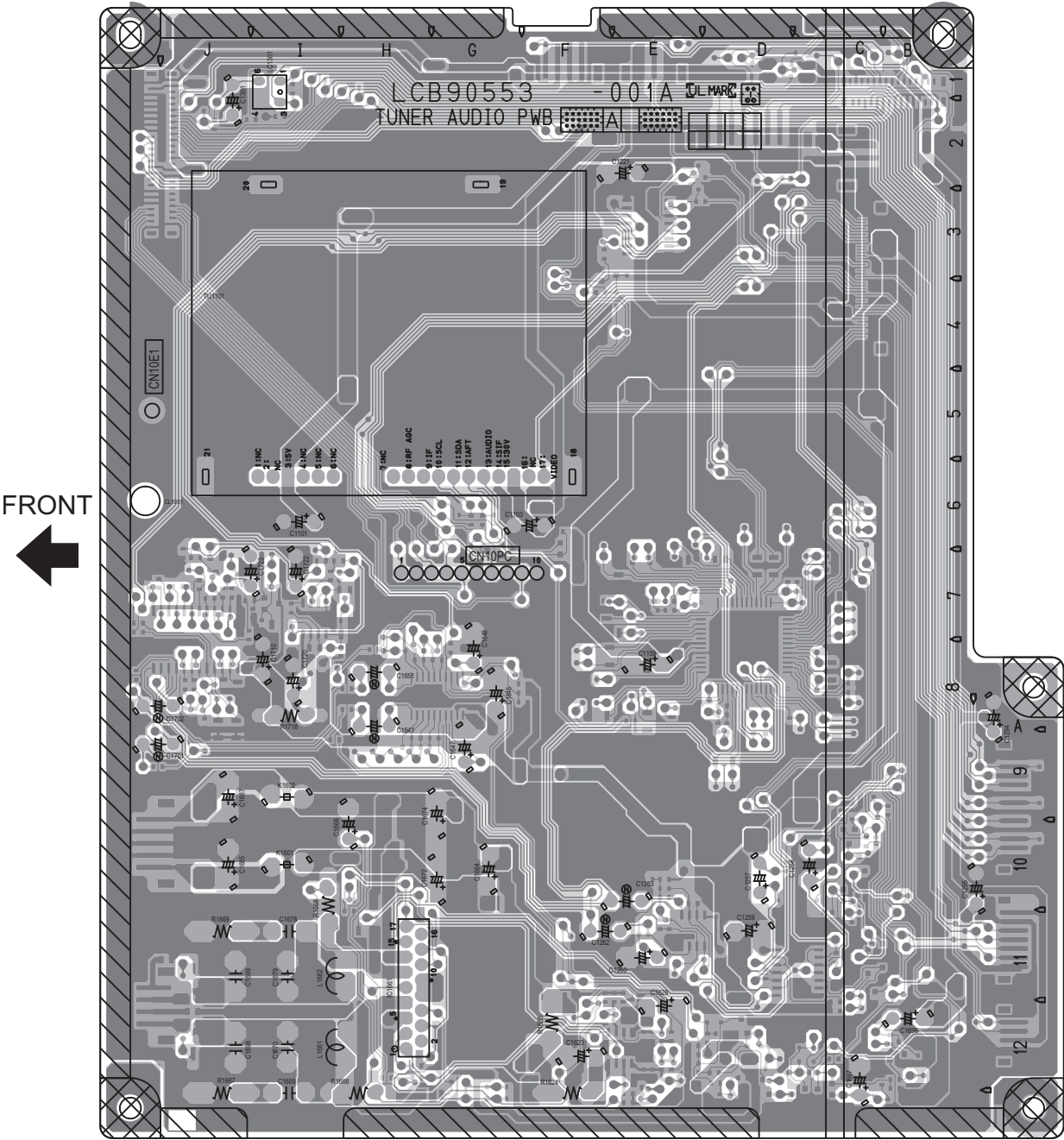


SD CARD PWB ASS'Y
SRP-8513A-M2

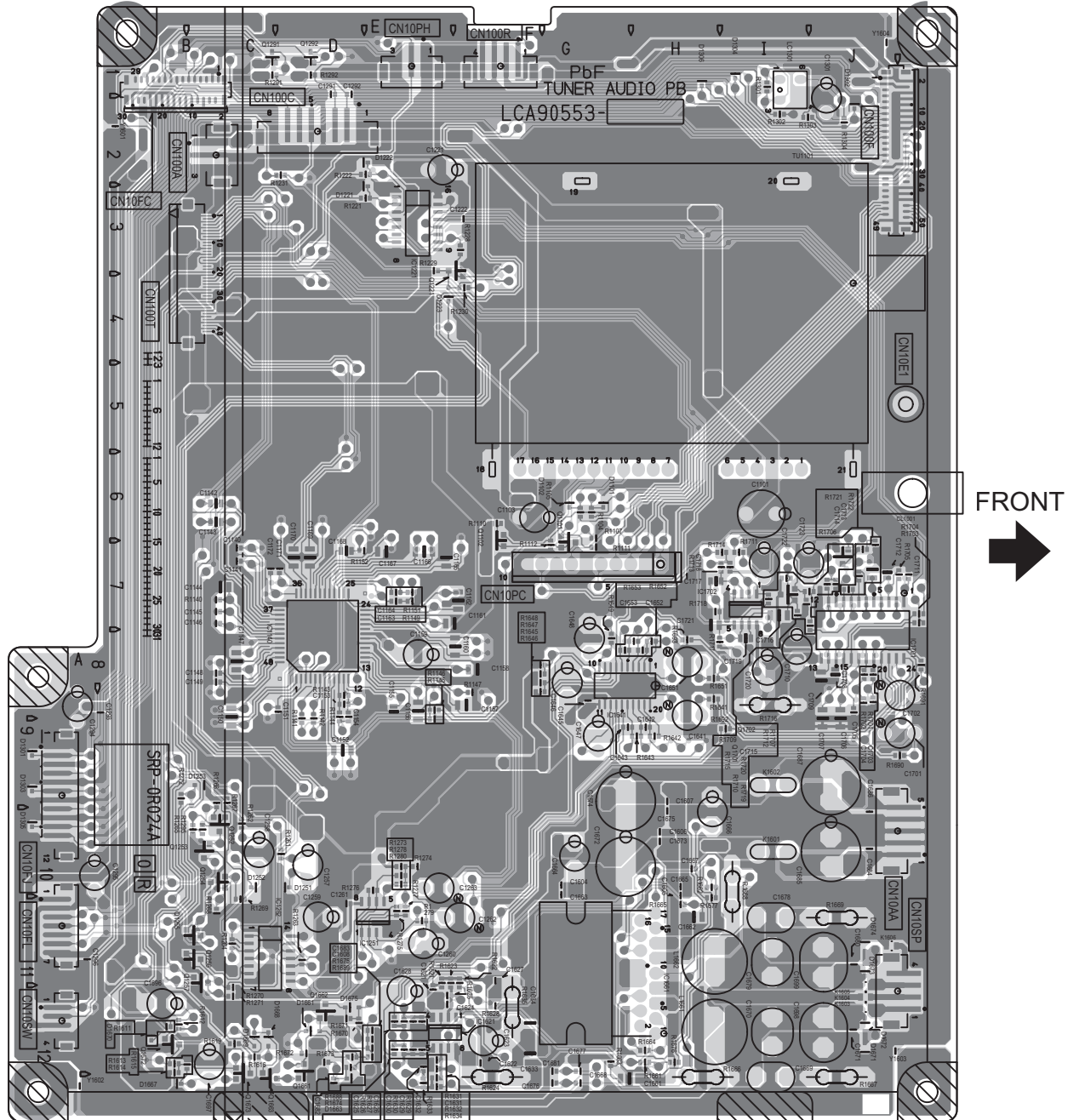


c20167001a001_0823_1/1_0.0

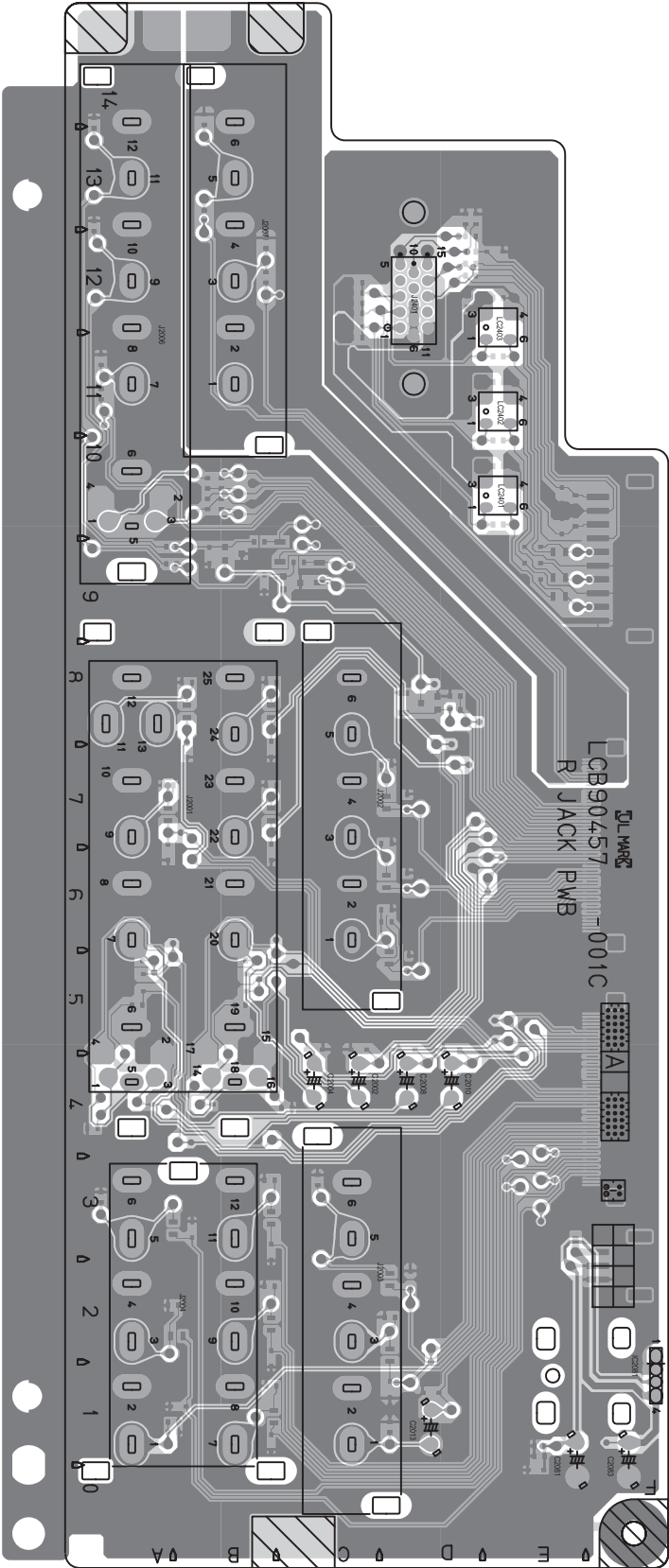
PATTERN DIAGRAMS
RECEIVER PWB PATTERN [SOLDER SIDE]



RECEIVER PWB PATTERN [PARTS SIDE]



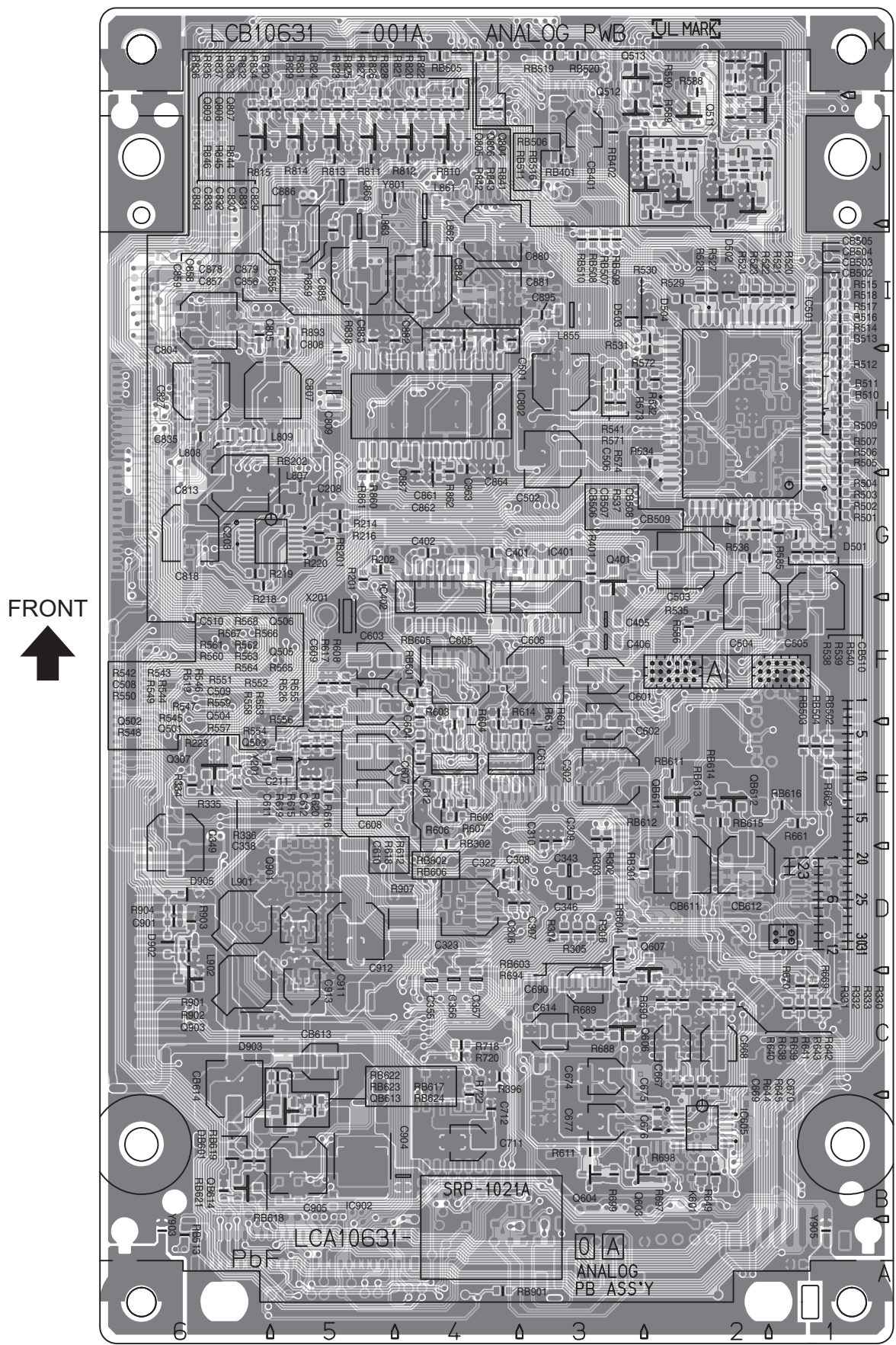
REAR JACK PWB PATTERN [SOLDER SIDE]



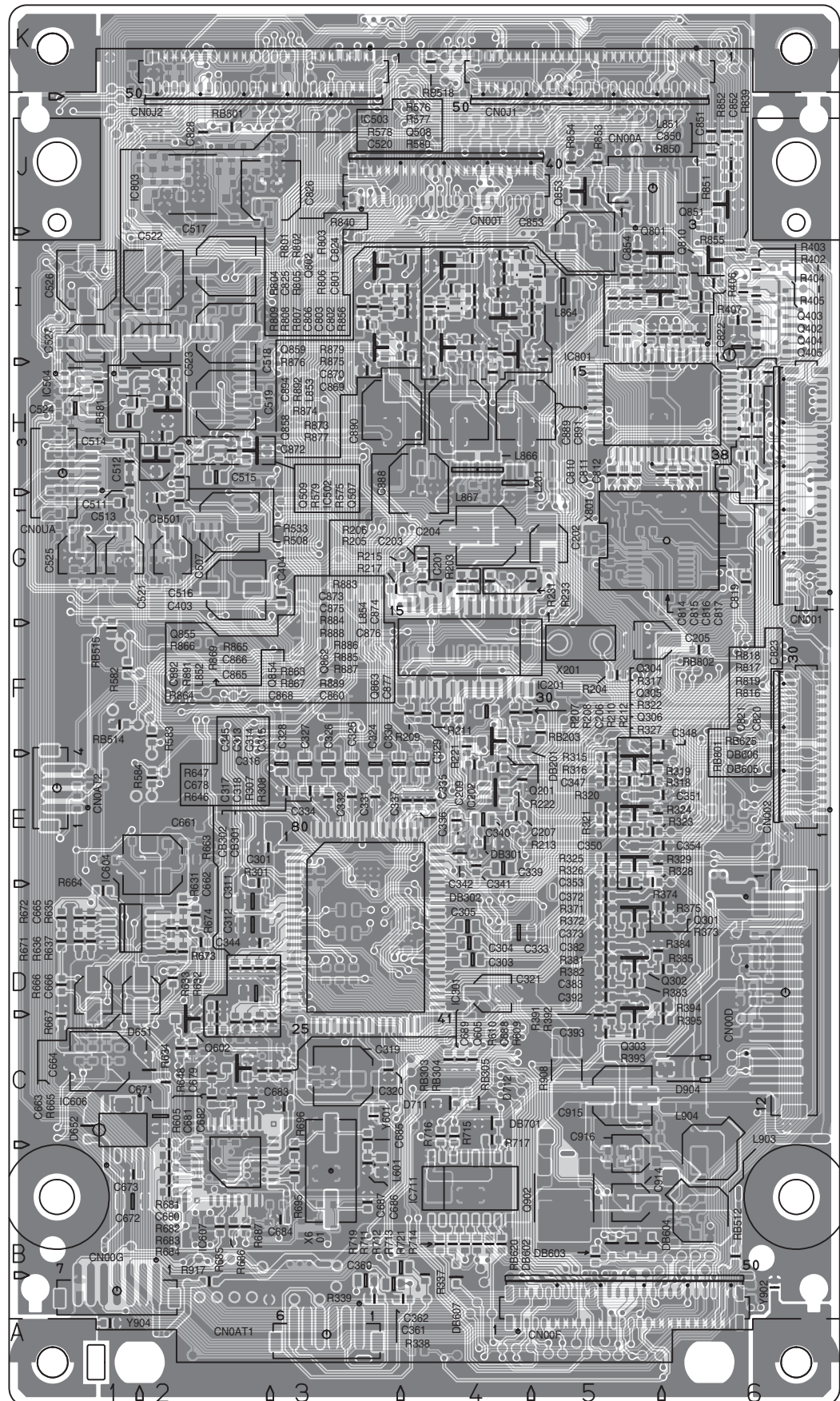
The image is a detailed technical drawing of a printed circuit board (PCB) layout. The drawing shows various components including integrated circuits (ICs), resistors, capacitors, and connectors. Key components labeled include SRP-0J021A SRP-0J022A, R JAK PB ASSY, LCAS90457, and LCAS90458. The board is marked with dimensions and component values. The layout is organized into sections labeled A through F and 1 through 14.

(No.YA336)2-80

ANALOG SIGNAL PWB PATTERN [SOLDER SIDE]

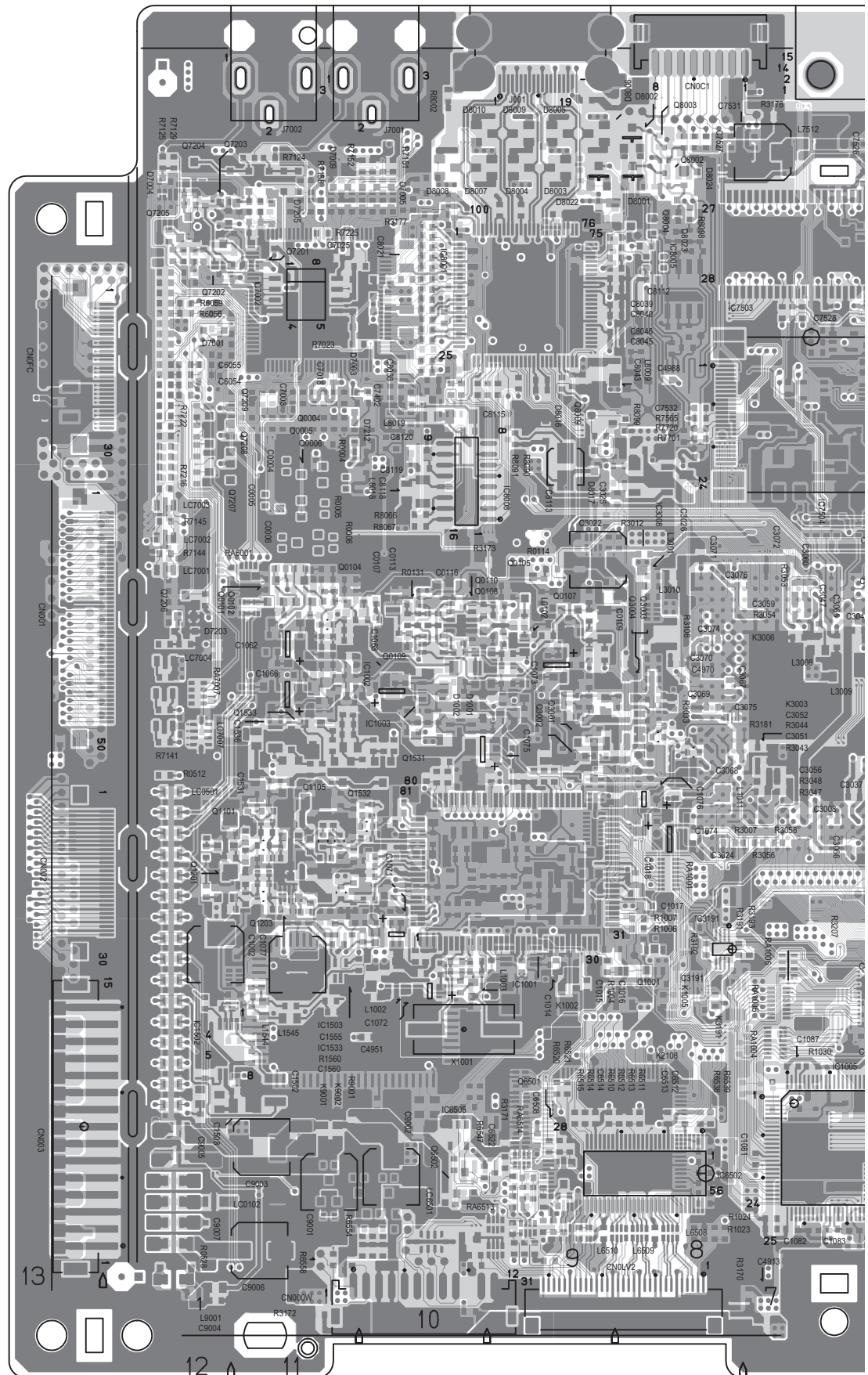


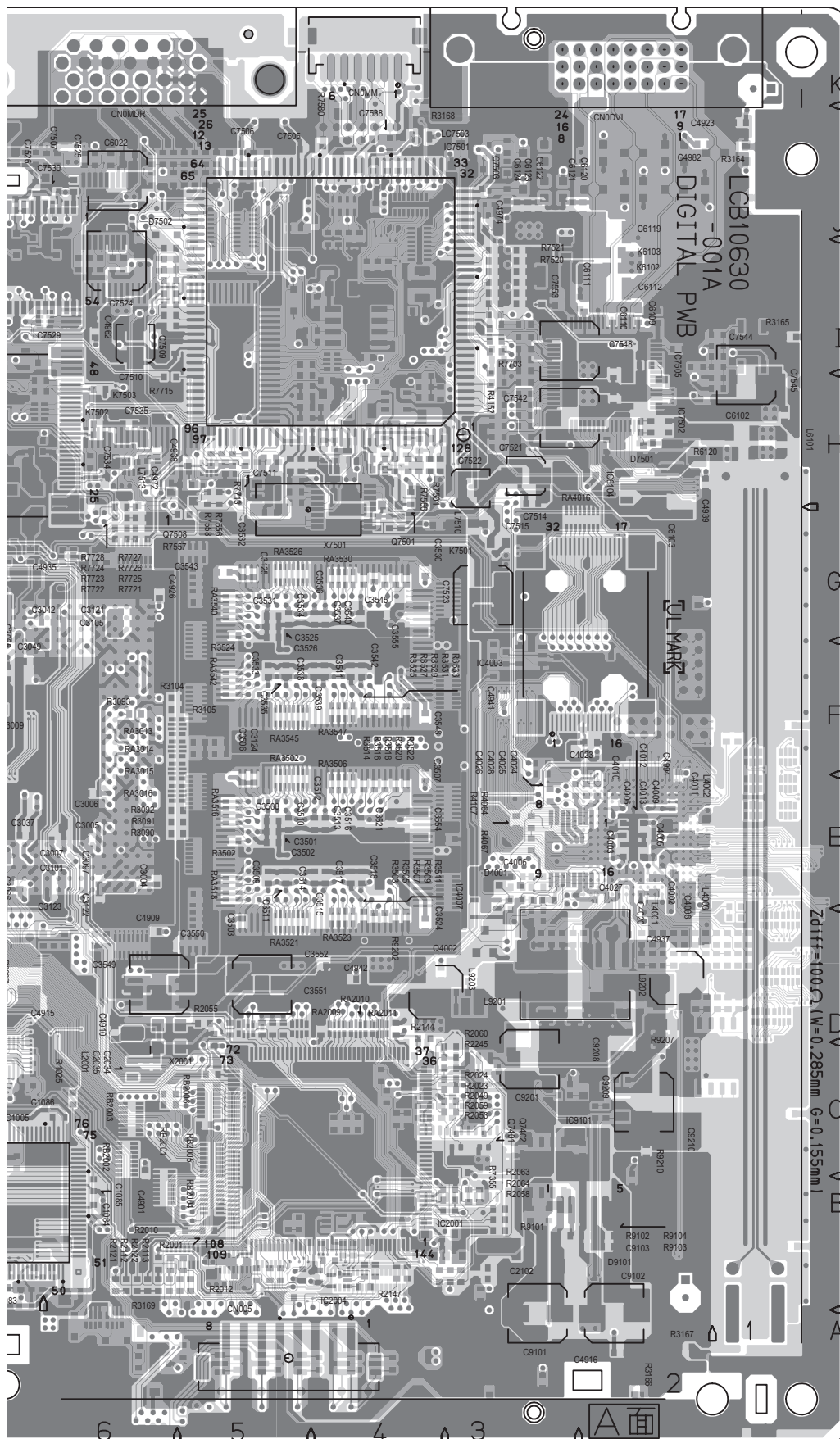
ANALOG SIGNAL PWB PATTERN [PARTS SIDE]

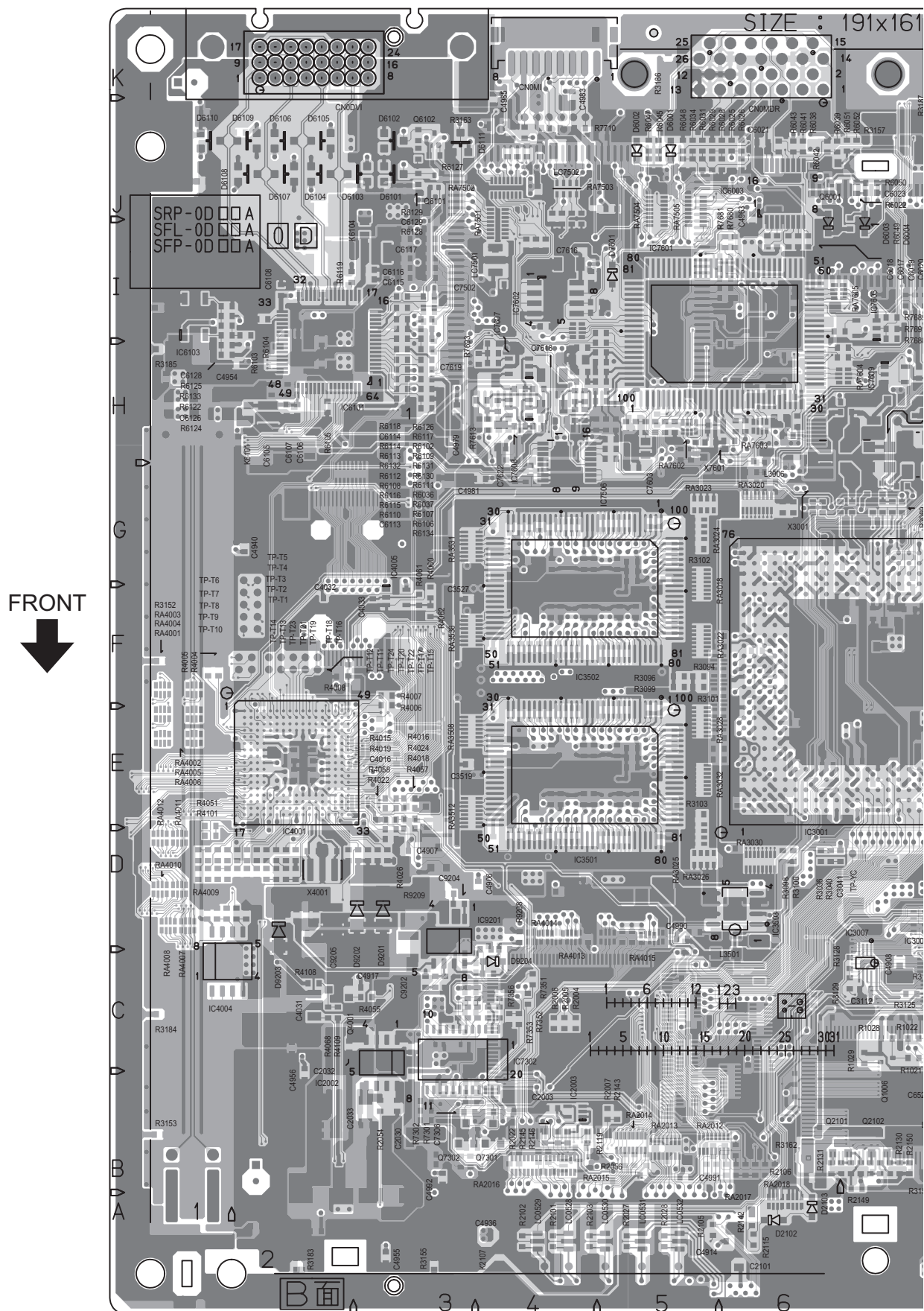


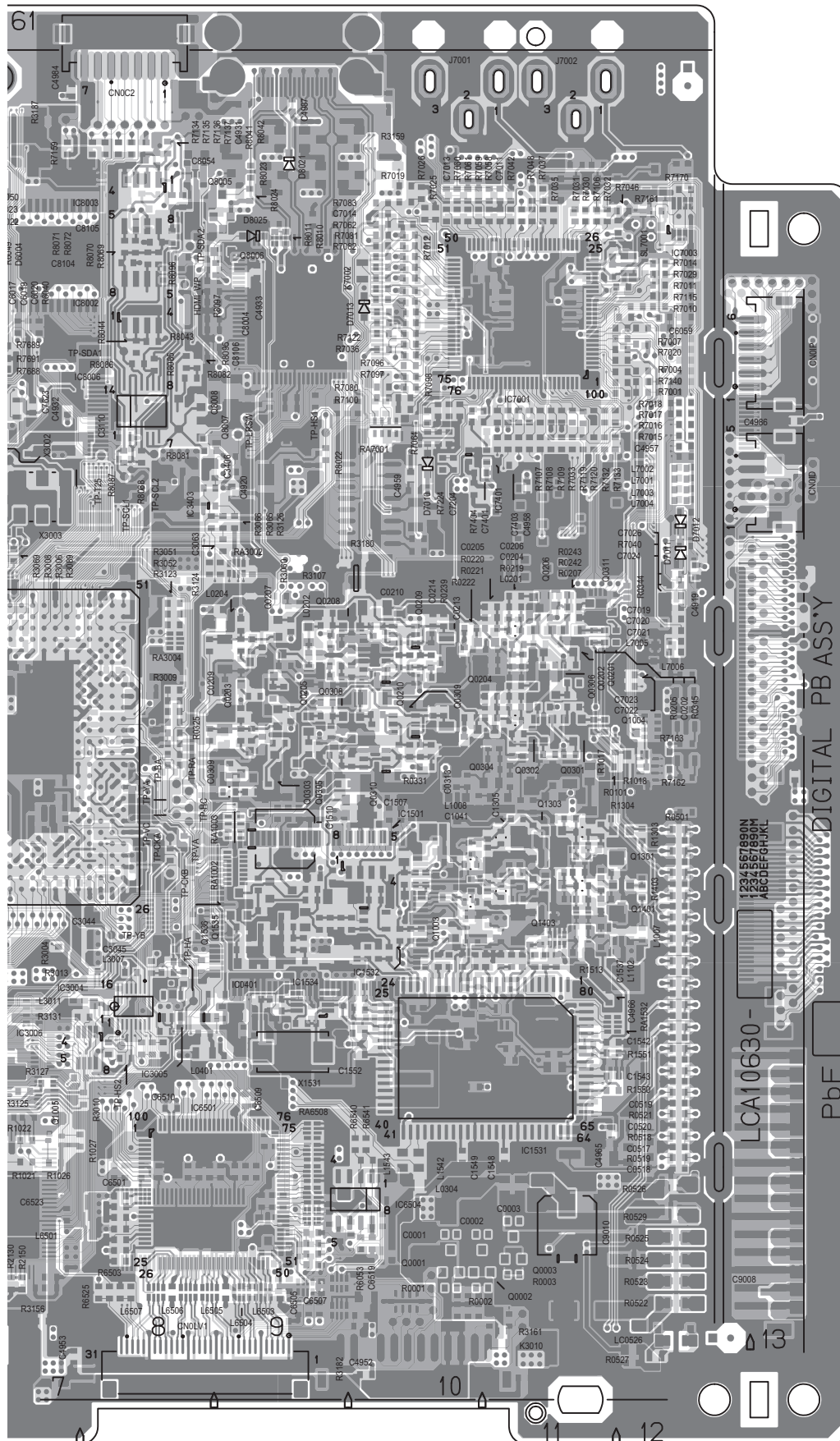
FRONT
↓

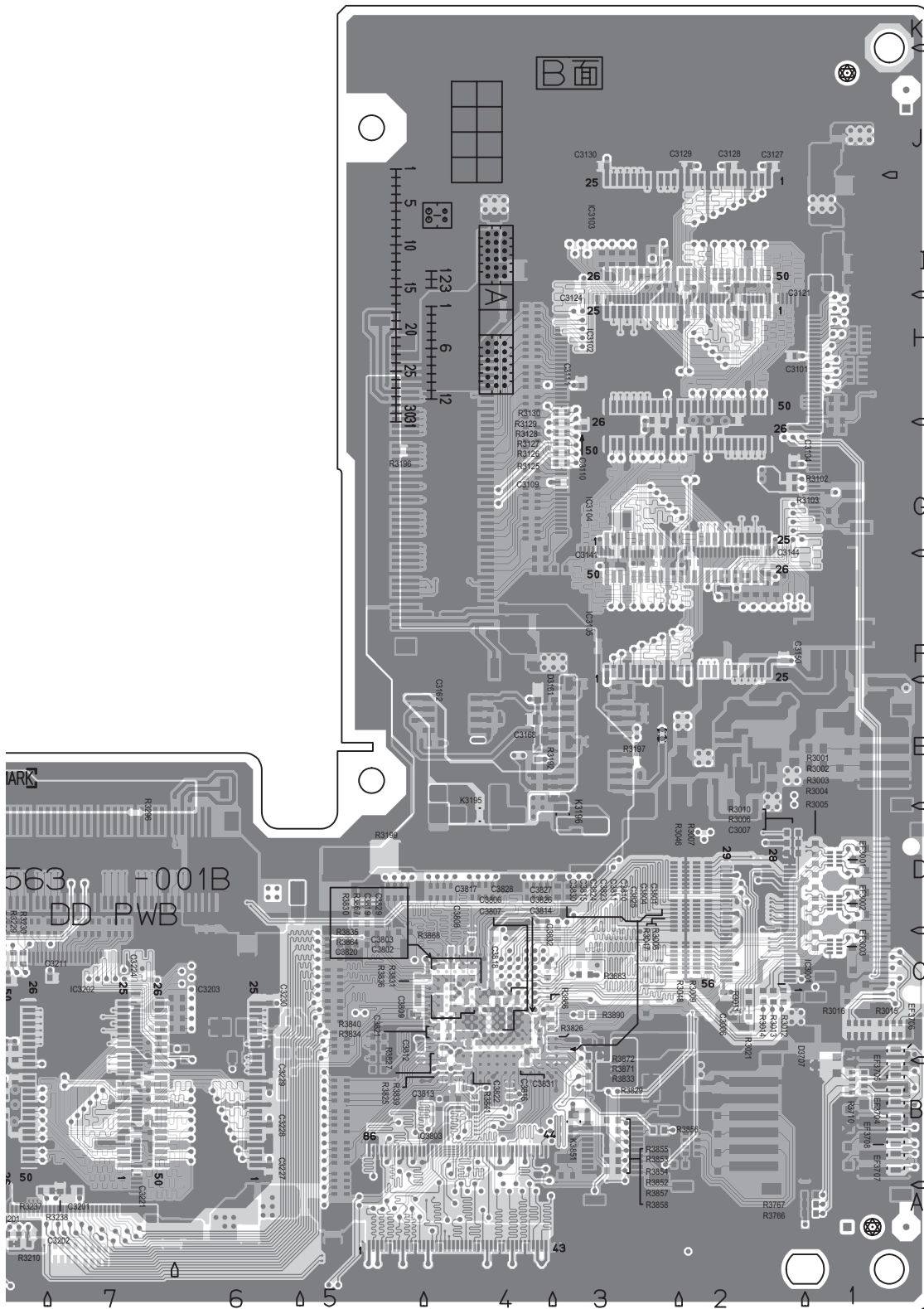
DIGITAL SIGNAL PWB PATTERN [SOLDER SIDE]





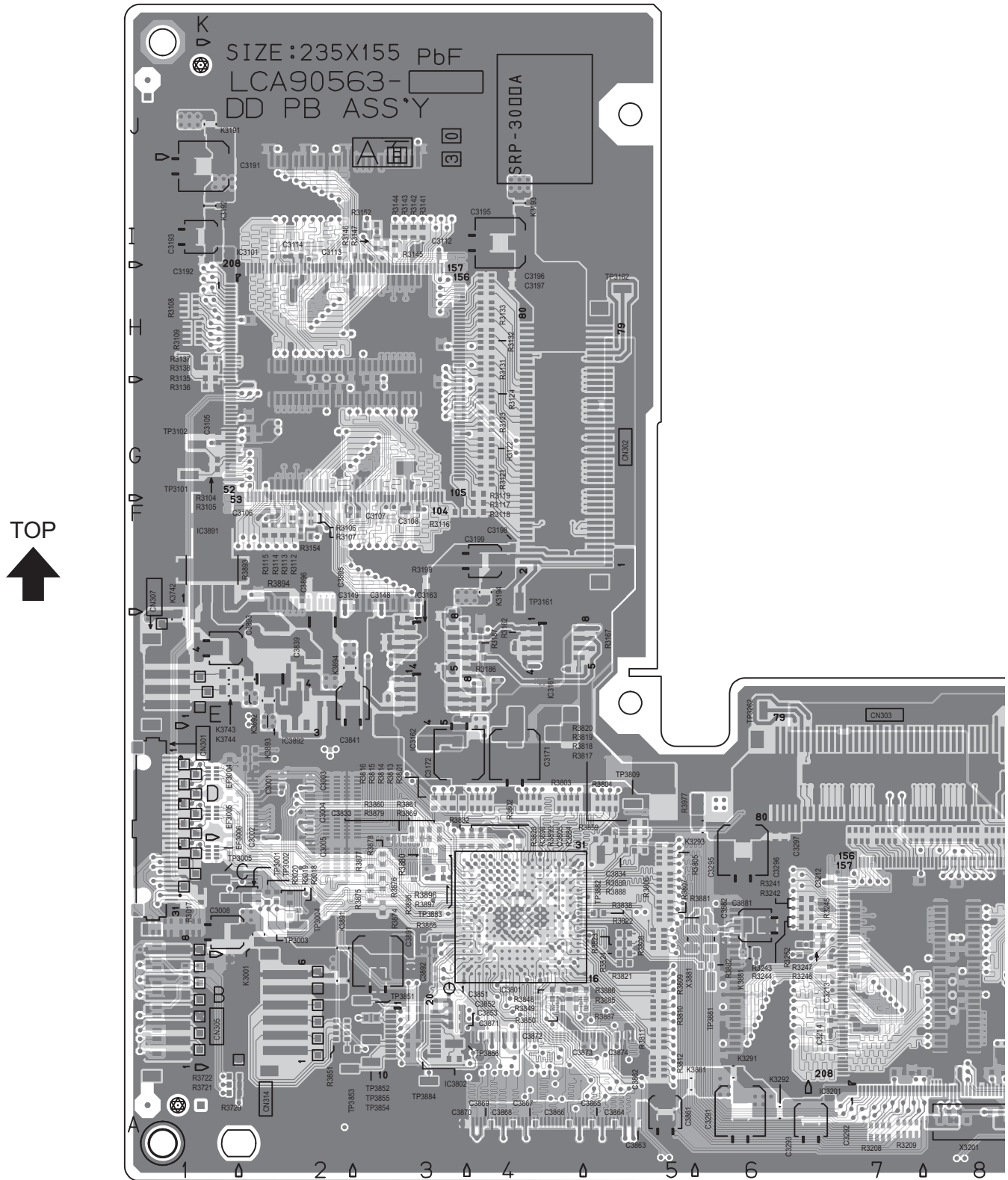


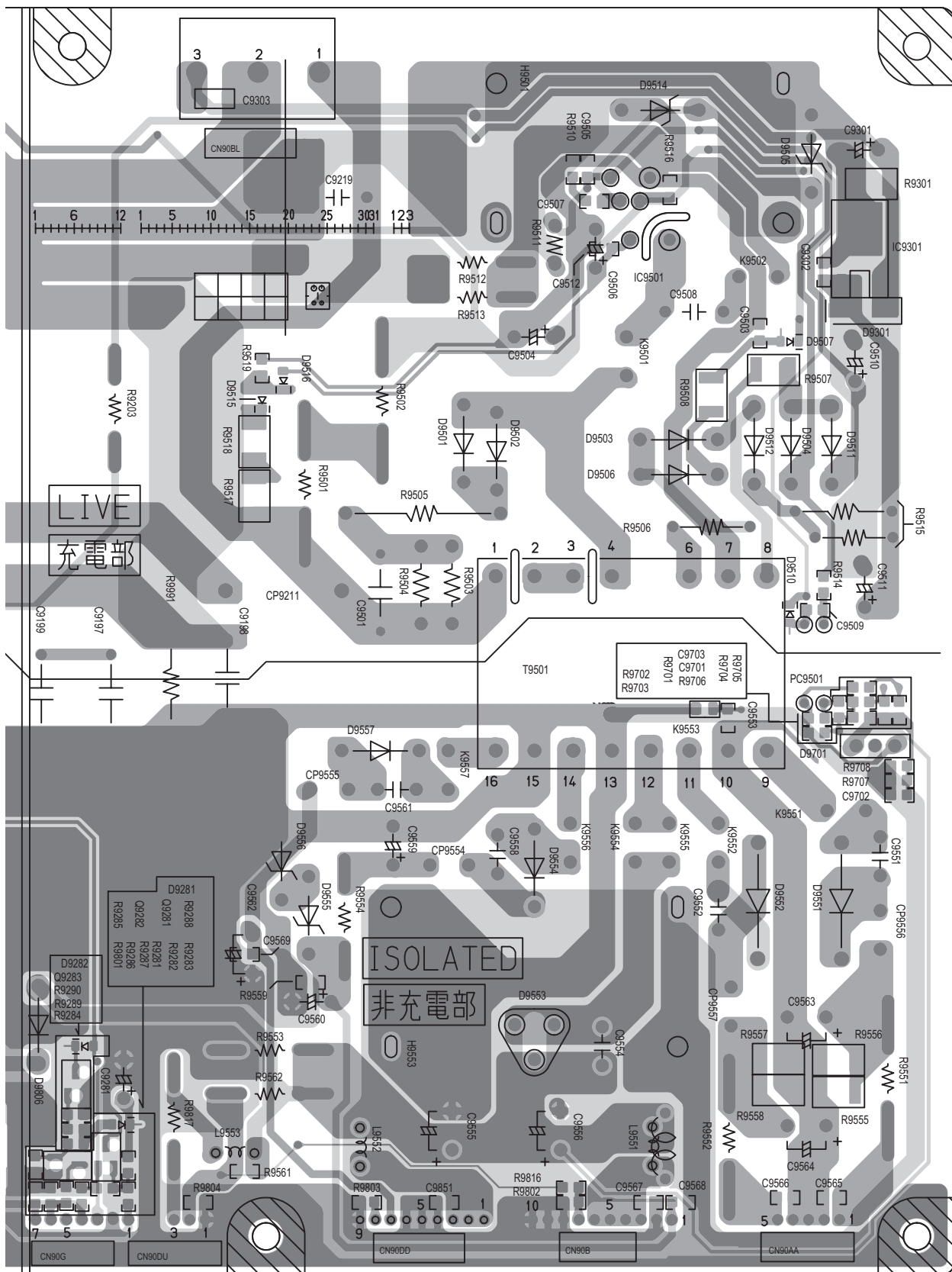




TOP
↑

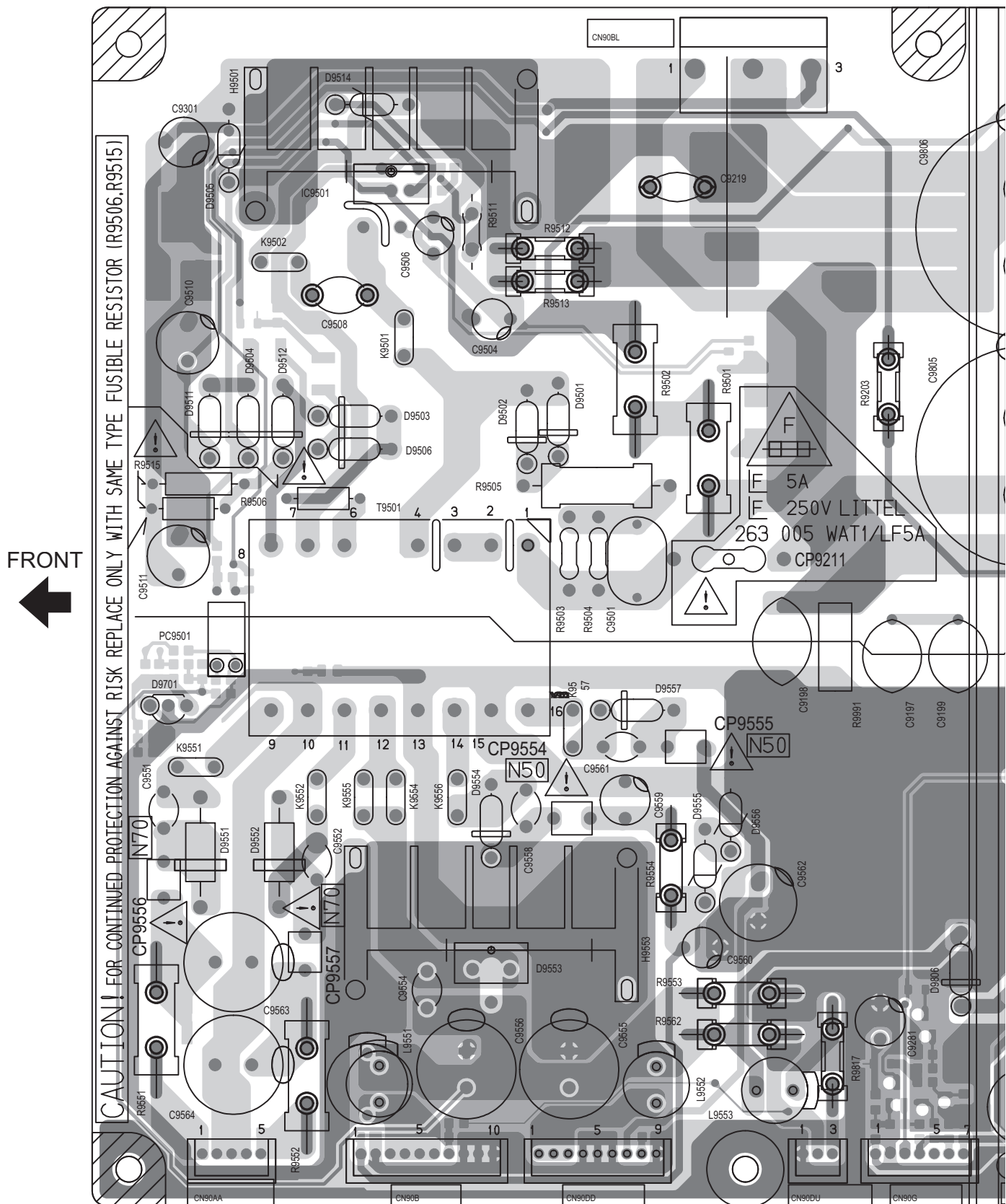
MAIN DRIVE PWB PATTERN [PARTS SIDE]





FRONT

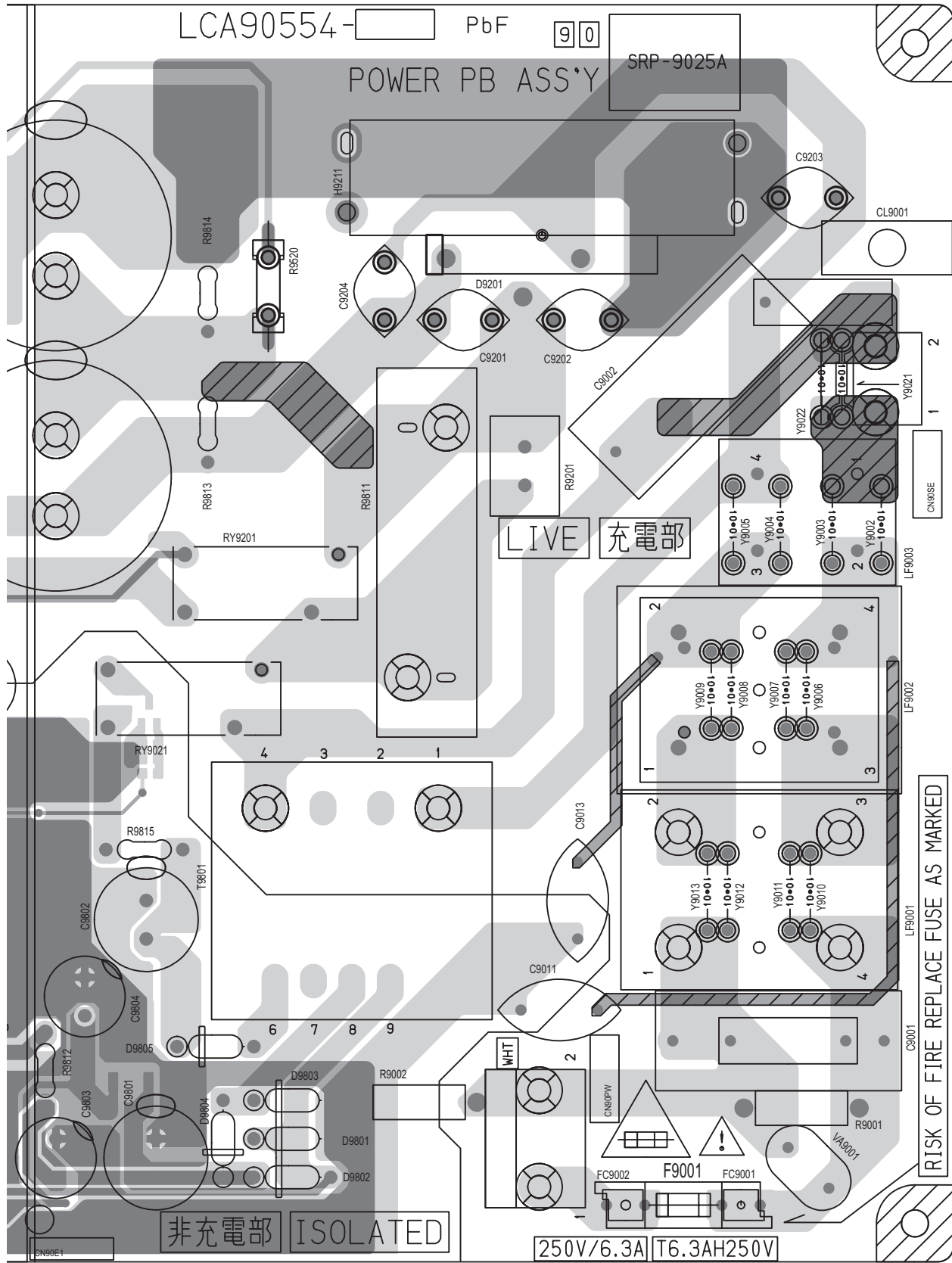




LCA90554- PbF 90

POWER PB ASS'Y

SRP-9025A



LIVE

充電部

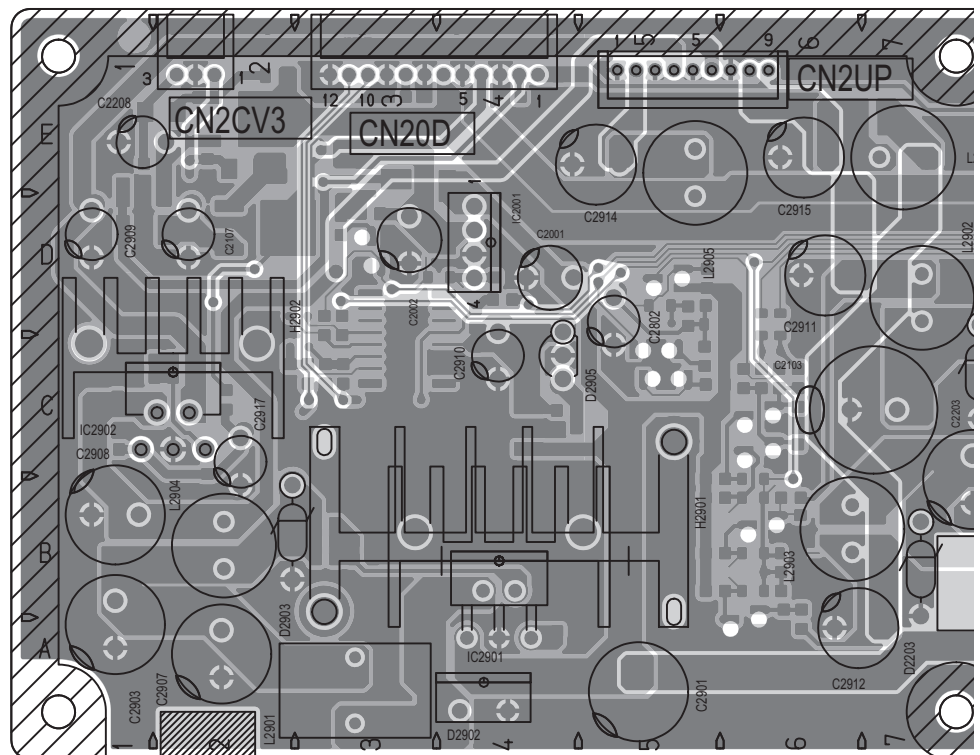
非充電部

ISOLATED

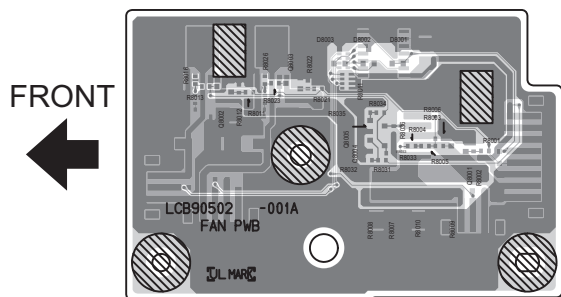
250V/6.3A T6.3AH250V

RISK OF FIRE REPLACE FUSE AS MARKED

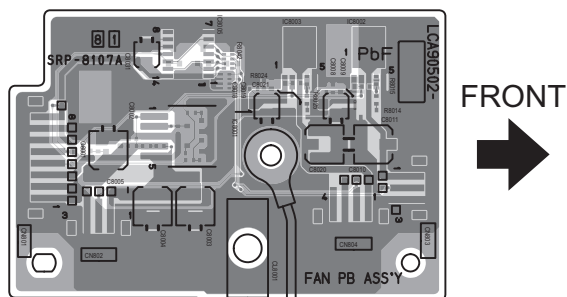
REGULATOR PWB PATTERN [PARTS SIDE]



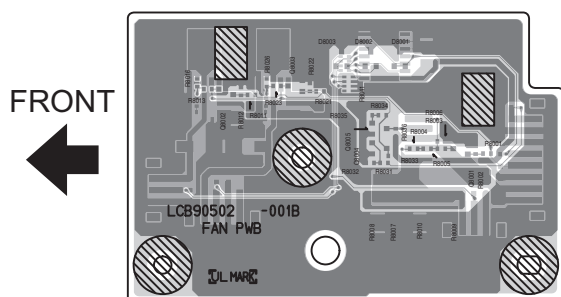
FAN CONTROL PWB PATTERN [SOLDER SIDE]
[HD-52G456, HD-55G456]



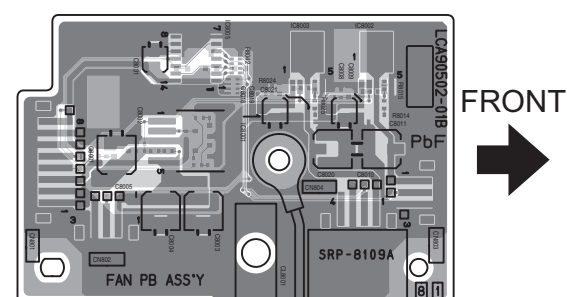
FAN CONTROL PWB PATTERN [PARTS SIDE]
[HD-52G456, HD-55G456]



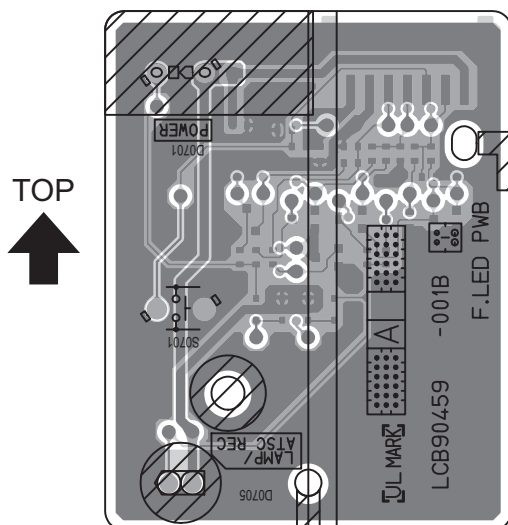
FAN CONTROL PWB PATTERN [SOLDER SIDE]
[HD-52G466, HD-61Z456]



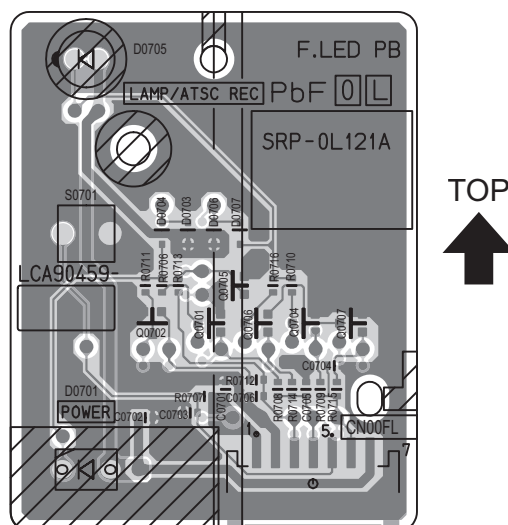
FAN CONTROL PWB PATTERN [PARTS SIDE]
[HD-52G466, HD-61Z456]



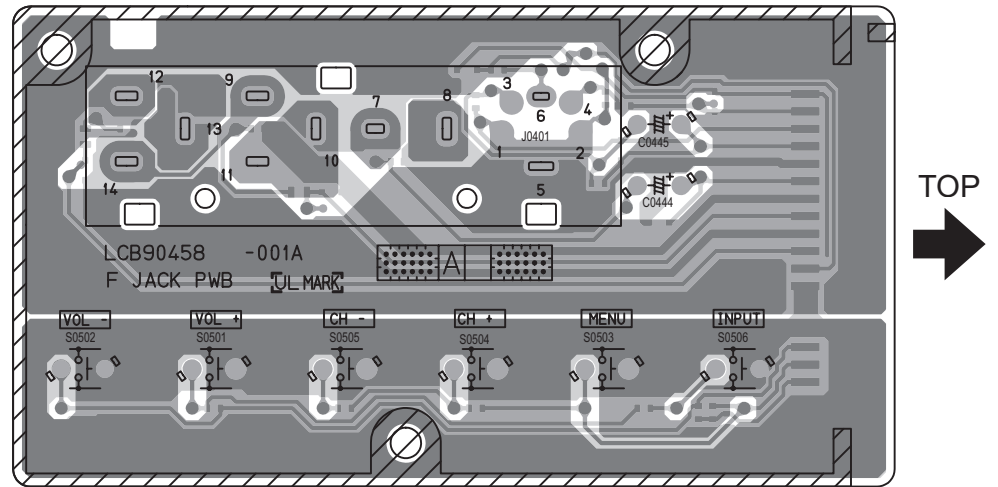
FRONT LED PWB PATTERN [SOLDER SIDE]



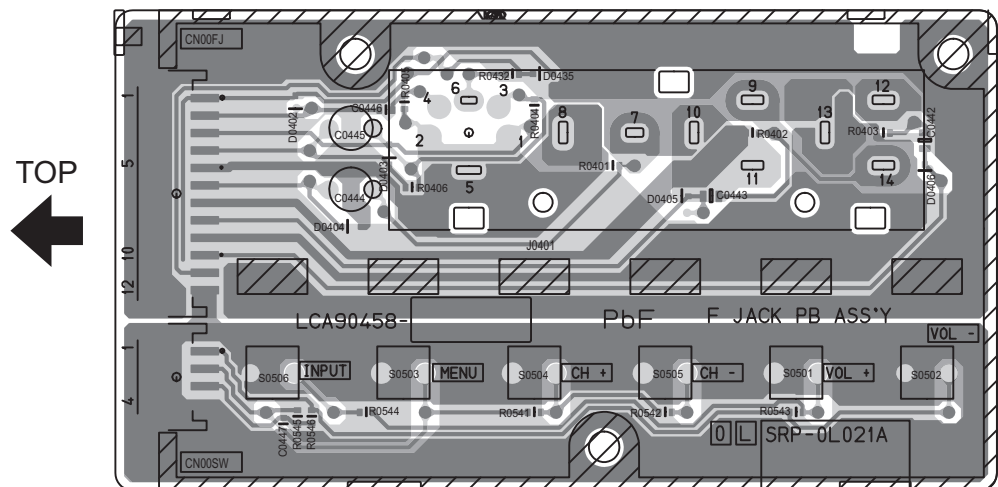
FRONT LED PWB PATTERN [PARTS SIDE]



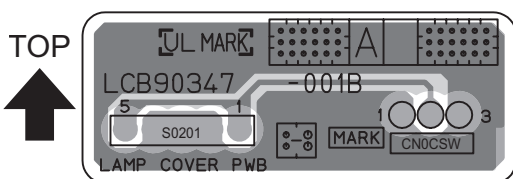
SIDE CONTROL PWB PATTERN [SOLDER SIDE]



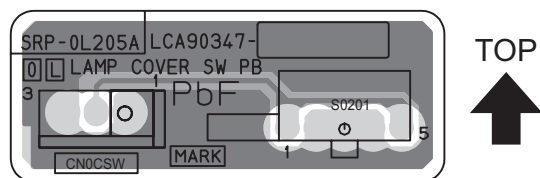
SIDE CONTROL PWB PATTERN [PARTS SIDE]



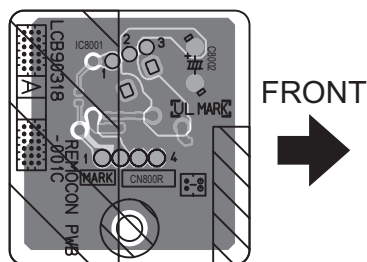
LAMP COVER SW PWB PATTERN [SOLDER SIDE]



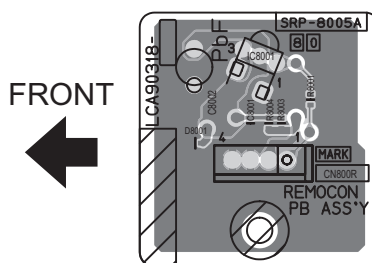
LAMP COVER SW PWB PATTERN [PARTS SIDE]



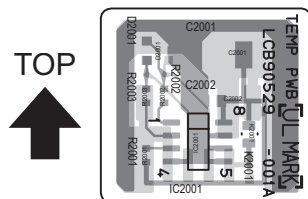
REMOTE SENSOR PWB PATTERN [SOLDER SIDE]



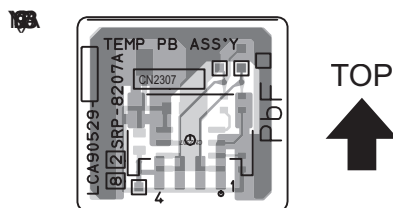
REMOTE SENSOR PWB PATTERN [PARTS SIDE]



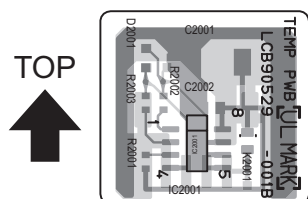
TEMP SENSOR PWB PATTERN
[SOLDER SIDE]
[HD-52G456, HD-55G456]



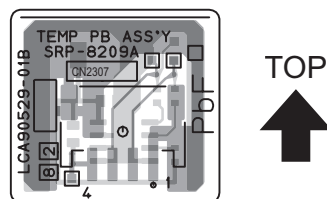
TEMP SENSOR PWB PATTERN
[PARTS SIDE]
[HD-52G456, HD-55G456]



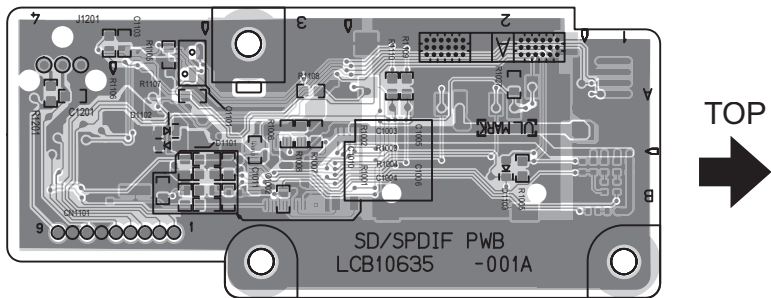
TEMP SENSOR PWB PATTERN
[SOLDER SIDE]
[HD-55G466, HD-61Z456]



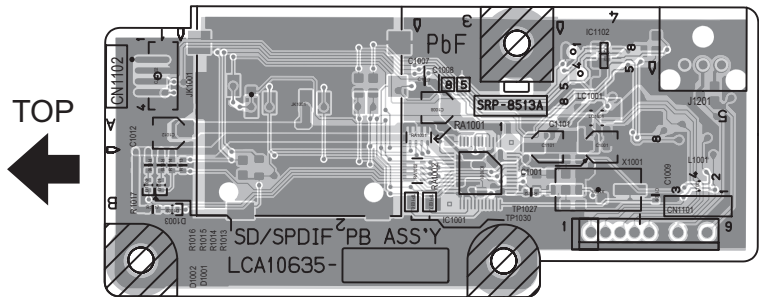
TEMP SENSOR PWB PATTERN
[PARTS SIDE]
[HD-55G466, HD-61Z456]



SD CARD PWB PATTERN [SOLDER SIDE]



SD CARD PWB PATTERN [PARTS SIDE]



VOLTAGE CHARTS

<RECEIVER PWB>

[P.2-9 - 2-10]

MODE PIN NO.	DC (V)
IC1140	
1	4
2	4
3	4
4	4
5	4.9
6	4.9
7	0
8	3.9
9	3.9
10	4
11	3.8
12	3.2
13	4
14	1.2
15	1.3
16	NC
17	0
18	3.2
19	8.8
20	NC
21	4
22	4
23	4
24	3.8
25	4
26	3.9
27	4
28	1.9
29	4
30	4
31	1.8
32	4
33	4
34	4
35	4
36	4
37	4
38	4
39	3.9
40	3.9
41	1.1
42	4
43	4
44	4
45	4
46	4
47	4
48	4
Q1101	
E	3.2
C	0
B	2.6
Q1102	
E	2.4
C	8.9
B	0
Q1252	
E	0
C	-2.3
B	0
Q1253	
E	0
C	0
B	-2.3
Q1254	
E	0
C	-2.3
B	0
Q1255	
E	0
C	0
B	-2.3
Q1291	
S	4.9
G	3.2
D	4.8
Q1292	
S	4.9
G	3.2
D	4.8
TU1101	
1	NC
2	NC
3	4.9
4	NC
5	NC
6	NC
7	NC
8	1.5
9	0
10	4.9
11	4.9
12	2.7
13	2.7
14	0
15	30.7

MODE PIN NO.	DC (V)
16	NC
17	2.2
18	0
19	0
20	0
21	0

[P.2-11 - 2-12]

MODE PIN NO.	DC (V)
IC1621	
1	-13.5
2	0
3	0
4	-13.7
5	0
6	0
7	-13.7
8	12.9
IC1661	
1	-13.5
2	-0.1
3	-13.7
4	-13.7
5	13.6
6	8.9
7	1.7
8	-13.7
9	-0.6
10	-13.7
11	1.7
12	8.9
13	13.6
14	-13.7
15	-3.1
16	-0.1
17	-13.5
Q1661	
E	13.6
C	13.5
B	0
Q1662	
E	-13.7
C	-13.7
B	-13
Q1663	
E	0
C	0
B	1.8
Q1672	
E	0
C	12
B	0
Q1673	
E	8.7
C	0
B	9.1

<REAR JACK PWB>

MODE PIN NO.	DC (V)
IC2081	
1	NC
2	0
3	2.9
4	5.3

<ANALOG SIGNAL PWB>

[P.2-15 - 2-16]

MODE PIN NO.	DC (V)
IC501	
1	4
2	4.5
3	4
4	4.5
5	4.4
6	0.1
7	4.9
8	4.1
9	4.4
10	4.1
11	4.4
12	4.4
13	6.8
14	0
15	4.3
16	4.4
17	4.3
18	4.4
19	4.4
20	6.7
21	0
22	3.8
23	4.4
24	4

MODE PIN NO.	DC (V)
25	4.5
26	4.4
27	6.7
28	0
29	4.4
30	4
31	4.5
32	9
33	4.8
34	4.8
35	0
36	0
37	4.4
38	4.4
39	3.7
40	4.4
41	4.4
42	9
43	4.5
44	4.3
45	4.5
46	3.7
47	0
48	0
49	4.9
50	4.4
51	0
52	4.5
53	4.4
54	4.5
55	3.7
56	4
57	0
58	4.2
59	4.4
60	4
61	4.4
62	4.4
63	4.4
64	4.4

[P.2-17 - 2-18]

MODE PIN NO.	DC (V)
IC801	
1	2.3
2	2
3	1.5
4	0.1
5	2.2
6	4.8
7	2.4
8	0
9	0.3
10	0.8
11	2.3
12	4.8
13	4.8
14	4.8
15	0
16	0
17	0
18	0
19	0
20	2.3
21	1.5
22	1.7
23	1.7
24	0
25	2.4
26	2.4
27	2.4
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	0

MODE PIN NO.	DC (V)
4	2.4
5	0
6	1.8
7	2.2
8	0
9	0
10	0
11	4.7
12	0
13	4.8
14	0
15	4.9
16	4.8
17	0
18	0
19	2.4
20	4.8
21	0
22	2.6
23	2.6
24	3.3
25	3.3
26	0
27	3.5
28	1.6
IC803	
1	9
2	0
3	5
Q402	
S	3
G	3.1
D	4.9
Q403	
S	2.9
G	3.1
D	4.8
Q404	
S	3
G	3.2
D	4.8
Q405	
S	3
G	3.2
D	4.9
Q801	
E	2.7
C	0
B	2.1
Q802	
E	2.6
C	0
B	2
Q810	
E	2
C	0
B	1.4
Q851	
E	1.6
C	0
B	1
Q853	
E	2
C	8.9
B	2.6
Q854	
E	2.6
C	8.9
B	3.3
Q855	
E	1.9
C	0
B	1.3
Q858	
E	2.9
C	9
B	3.5
Q859	
E	3.5
C	0
B	2.9
Q862	
E	0.9
C	3.9
B	1.5
Q863	
E	3.2
C	4.8
B	3.9
QB613	
E	0
C	5
B	0
QB614	
E	4.6
C	0
B	5

[P.2-19 - 2-20]

MODE PIN NO.	DC (V)
IC201	
1	0.3
2	0.1
3	0
4	0
5	0
6	0
7	6.2
8	0
9	4.8
10	0
11	8.8
12	1.3
13	0
14	0
15	0
16	0
17	0
18	0
19	2.4
20	4.8
21	0
22	4.9
23	0
24	2.1
25	1.2
26	2.1
27	0
28	2.4
29	0.1
30	0.5
IC202	
1	0.5
2	0.5
3	0
4	0.2
5	0
IC301	
1	4.8
2	4.9
3	4.9
4	0
5	4.7
6	0
7	4.6
8	4.7
9	4.7
10	0.4
11	4.5
12	4.4
13	0
14	4.6
15	0
16	4.7
17	4.7
18	4.7
19	0
20	4.5
21	4.4
22	0
23	4.4
24	4.5
25	0
26	4.4
27	4.4
28	0
29	0
30	4.4
31	9
32	4.5
33	4.5
34	0
35	4.5
36	4.5
37	0
38	4.5
39	4.5
40	4.5
41	4.5
42	0
43	4.5
44	4.5
45	0
46	4.5
47	8.9
48	4.7
49	0
50	4.7
51	0
52	4.7
53	0
54	4.4
55	4.4
56	0
57	4.6
58	0
59	4.7

MODE PIN NO.	DC (V)
60	0
61	4.7
62	0.4
63	4.4
64	4.5
65	0
66	4.6
67	4.7
68	4.6
69	0
70	4.4
71	4.3
72	0
73	4.8
74	4.7
75	4.6
76	4.6
77	0
78	4.4
79	4.5
80	0
Q301	
E	0
C	2.9
B	4.5
Q302	
E	0
C	2.9
B	4.5
Q303	
E	0
C	2.9
B	4.5
Q304	
E	0
C	2.9
B	4.5
Q305	
E	0
C	2.9
B	4.5
Q306	
E	0
C	2.9
B	4.5
Q307	
E	2.9
C	0
B	2.3

[P.2-23 - 2-24]

MODE PIN NO.	DC (V)
IC902	
1	4.7
2	3.3
3	0
Q901	
E	9.7
C	9
B	9

<DIGITAL SIGNAL PWB>

[P.2-25 - 2-26]

MODE PIN NO.	DC (V)
IC1502	
1	4.4
2	0
3	3.7
4	0
5	0
6	9
7	3.7
8	0

[P.2-27 - P.2-28]

MODE PIN NO.	DC (V)
IC0401	
1	3.2
2	2
3	0
4	3.1
5	3.3
Q0101	
E	3.8
C	7.7
B	4.5
Q0102	
E	8.5
C	4.6
B	7.7
Q0104	
E	5.3
C	0
B	4.6

MODE PIN NO.	DC (V)
Q0107	
E	1.5
C	0
B	0.9
Q0108	
E	0.8
C	9
B	1.5
Q0109	
1	1.4
2	0.1
3	1.4
4	1.5
5	0.1
6	1.5
Q0110	
1	0
2	0.6
3	0.6
4	0.1
5	0.6
6	0.1
Q0201	
E	3.7
C	7.7
B	4.5
Q0202	
E	8.5
C	4.9
B	7.7
Q0204	
E	5.6
C	0
B	4.9
Q0207	
E	2.5
C	0
B	1.9
Q0208	
E	1.8
C	9
B	2.4
Q0209	
1	2.4
2	0.2
3	2.4
4	2.4
5	0.2
6	2.5
Q0210	
1	0
2	0.6
3	52.0
4	53.2
5	0.6
6	0.2
Q0301	
E	3.7
C	7.7
B	4.5
Q0302	
E	8.5
C	4.9
B	7.7
Q0304	
E	5.7
C	0
B	5
Q0307	
E	2.5
C	0
B	1.9
Q0308	
E	1.8
C	9
B	2.4
Q0309	
1	2.4
2	0.1
3	2.4
4	2.5
5	0.1
6	2.5
Q0310	
1	0
2	0.6
3	0.6
4	0.1
5	0.6
6	0.1

MODE PIN NO.	DC (V)
67	2.5
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	2.5
74	1.2
75	1.2
76	0
77	0
78	1.2
79	205
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	2.5
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	0
95	0
96	0
97	1.1
98	0
99	0
100	1.2
IC3502	
1	1.2
2	2.5
3	1.2
4	1.2
5	0
6	0
7	0
8	2.5
9	1.2
10	0
11	0.1
12	0
13	1.2
14	2.5
15	2.5
16	0
17	0
18	1.2
19	0
20	1.2
21	1.2
22	2.4
23	0
24	0.1
25	0
26	1.7
27	0
28	0.1
29	0.7
30	0.7
31	0.7
32	0.5
33	0.6
34	0.7
35	2.5
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0.7
48	0
49	0.7
50	0.7
51	0.7
52	0
53	1.7
54	0
55	1.2
56	0.3
57	0.3
58	1.2
59	0
60	1.2
61	1.2
62	0

MODE PIN NO.	DC (V)
63	0.2
64	0
65	2.5
66	0
67	2.5
68	1.2
69	1.2
70	0
71	0
72	0.1
73	0.1
74	1.2
75	0
76	0
77	1.2
78	1.2
79	0
80	1.2
81	0.7
82	0
83	0
84	1.2
85	0
86	2.5
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	2.5
96	2.5
97	1.2
98	1.2
99	0
100	0
IC3503	
1	0
2	2.5
3	1.2
4	1.2
5	2.5
6	2.5
7	2.5
8	1.2
Q3001	
E	2.2
C	3.3
B	2.9
Q3002	
E	2.9
C	0
B	2.1
Q3003	
E	0.6
C	3.3
B	1.3
Q3004	
E	1.4
C	0
B	0.7

MODE PIN NO.	DC (V)
30	3.3
31	0
32	0
IC4004	
1	0
2	0
3	0
4	0
5	3.3
6	3.3
7	0
8	3.3
IC4005	
1	2.4
2	1.5
3	0
4	1.4
5	3.2

MODE PIN NO.	DC (V)
18	0
19	1.3
20	0
21	0
22	3.2
23	0
24	0
25	0
26	0
27	3
28	0
29	3
30	0
31	0

MODE PIN NO.	DC (V)
79	NC
80	NC
81	NC
82	NC
83	NC
84	0
85	0
86	0.2
87	3.3
88	3.2
89	0
90	0
91	0
92	NC
93	3.3
94	0.4
95	0
96	0
97	4.2
98	0
99	4.8
100	4.8
IC7602	
1	0
2	0
3	NC
4	NC
5	0
6	2.6
7	3.6
8	0
9	0
10	0
11	0
12	3.3
13	1.8
14	0
15	1
16	3.3
17	2.8
18	NC
19	0
20	3.3
21	3.2
22	3.2
23	NC
24	NC
25	NC
26	NC
27	NC
28	NC
29	3.3
30	3.3
31	NC
32	0
33	0
34	0
35	3.3
36	3.3
37	0
38	3.3
39	NC
40	NC
41	0
42	NC
43	NC
44	NC
45	NC
46	0
47	3.3
48	3.3
49	0
50	NC
51	NC
52	NC
53	NC
54	NC
55	NC
56	NC
57	NC
58	NC
59	NC
60	NC
61	NC
62	3
63	NC
64	0
65	NC
66	NC
67	NC
68	NC
69	NC
70	NC
71	NC
72	NC
73	NC
74	NC
75	NC
76	NC
77	NC
78	NC

MODE PIN NO.	DC (V)
36	3.3
37	0
38	0
39	0.3
40	0.2
41	0
42	0
43	0
44	0
45	0
46	0.4
47	0.4
48	3.3
49	0
50	2.6
51	3.3
52	3.3
53	0.5
54	3.3
55	3.9
56	3.3
57	3.3
58	3.3
59	3.3
60	3.3
61	0
62	3.3
63	1.7
64	0
65	0
66	3.3
67	3.3
68	3.3
69	3.3
70	3.3
71	3.3
72	0
73	3.3
74	3.3
75	3.3
76	3.3
77	3.3
78	0
79	3.2
80	0
81	3.3
82	3.3
83	0
84	3.3
85	3.3
86	3.3
87	3.3
88	0
89	0
90	3.3
91	0
92	0
93	3.3
94	0
95	3.3
96	3.2
97	0
98	0
99	0
100	3.3
IC7001	
1	3.3
2	0
3	3.3
4	0
5	0
6	0
7	0
8	3.3
9	3.3
10	0
11	3.3
12	3.3
13	0
14	3.3
15	3.3
16	3.3
17	3.3
18	0
19	0
20	3.3
21	3.3
22	3.3
23	1.6
24	1.4
25	3.3
26	0
27	0
28	0
29	0
30	0
31	0
32	3.3
33	0
34	3.3
35	0.5

MODE PIN NO.	DC (V)
IC9201	
1	6.4
2	17.9
3	1.5
4	0
5	1.2
6	1.1
7	4.8
8	0

MODE PIN NO.	DC (V)
IC2701	
1	0
2	4.9
3	4.9
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	5
14	0
15	0
16	0
IC2901	
1	13.3
2	3.5
3	0
4	1.2
5	6.7
IC2902	
1	3.3
2	3.3
3	0
4	2.5
5	1.1
Q2801	
E	0
C	13.5
B	1.8
Q2802	
E	0
C	13.5
B	8.8
Q2803	
E	0
C	0.6
B	0
Q2805	
E	13.5
C	0.4
B	13.4
Q2806	
E	0
C	13.4
B	0
Q2807	
E	0
C	0
B	4.7

MODE PIN NO.	DC (V)
Q8001	
E	0
C	3.4
B	3.6
Q8002	
E	0
C	3.4
B	3.6
Q8003	
E	0
C	3.4
B	3.6
Q8004	
E	0
C	2.9
B	0
Q8005	
E	0
C	0
B	0.5

MODE PIN NO.	DC (V)
IC1001	
1	3.5
2	3.3
3	3.5
4	3.5
5	0
6	0
7	0
8	0
9	3.5
10	3.5
11	0
12	0
13	0
14	3.5
15	0
16	3.5
17	3
18	1.7
19	0
20	0
21	3.5
22	3.5
23	3.5
24	0
25	0
26	3.5
27	3.5
28	3.5
29	3.5
30	0
31	0
32	0
33	3.5
34	0
35	0
36	1.6
37	2.1
38	0
39	3.5
40	3.2
41	2.9
42	4.2
43	4.9
44	4.9
45	4.9
46	4.9
47	0
48	3.5
J1201	
1	0
2	5
3	0

<SD CARD PWB>

MODE PIN NO.	DC (V)
IC1001	
1	3.5
2	3.3
3	3.5
4	3.5
5	0
6	0
7	0
8	0
9	3.5
10	3.5
11	0
12	0
13	0
14	3.5
15	0
16	3.5
17	3
18	1.7
19	0
20	0
21	3.5
22	3.5
23	3.5
24	0
25	0
26	3.5
27	3.5
28	3.5
29	3.5
30	0
31	0
32	0
33	3.5
34	0
35	0
36	1.6
37	2.1
38	0
39	3.5
40	3.2
41	2.9
42	4.2
43	4.9
44	4.9
45	4.9
46	4.9
47	0
48	3.5
J1201	
1	0
2	5
3	0

<POWER PWB>

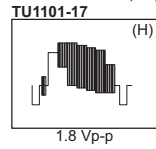
MODE PIN NO.	DC (V)
IC9141	
1	5.6
2	0
3	4.7
IC9301	
1	20.4
2	0
3	15.9
Q9021	
E	0
C	0
B	0.4
Q9281	
E	1.4
C	0
B	2.3
Q9282	
E	0.1
C	10.9
B	0.2
Q9283	
E	0
C	4
B	0.2

<P.2-63 - P.2-64>

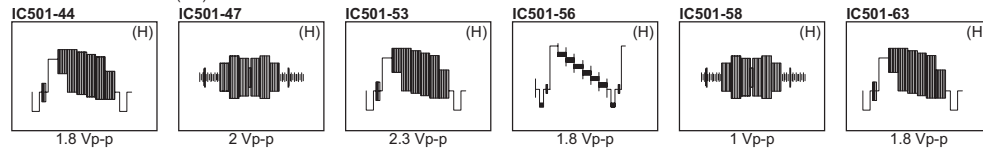
PIN NO.	DC (V)
IC9501	
1	46.3
2	NC
3	0
4	14.4
5	0
6	1.1
7	0.4
PC9501	
1	13.5
2	0
3	11.1
4	12.2

WAVEFORMS

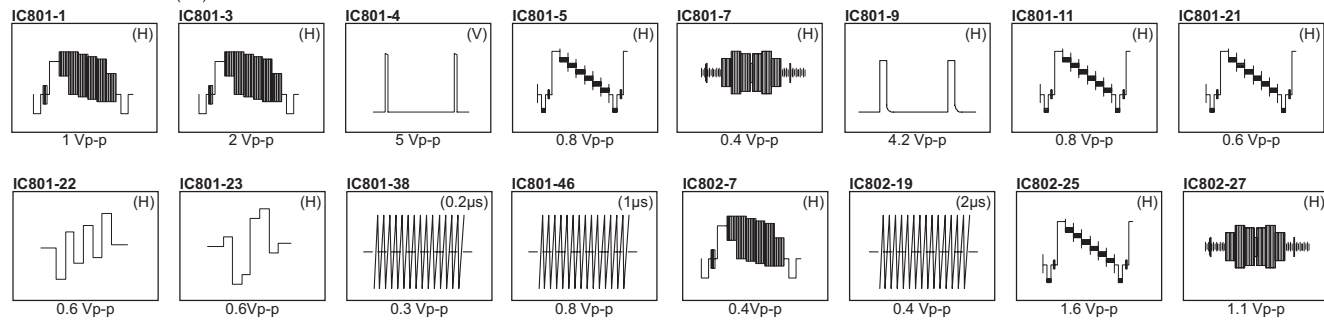
RECEIVER PWB(1/2)



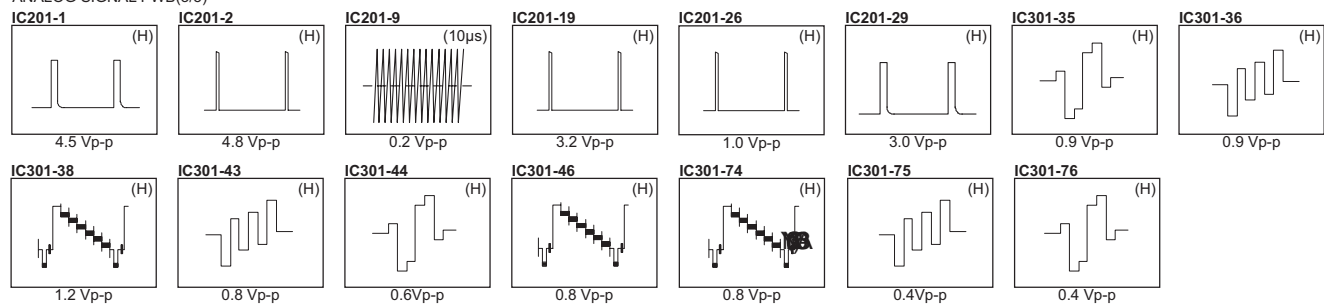
ANALOG SIGNAL PWB(1/5)



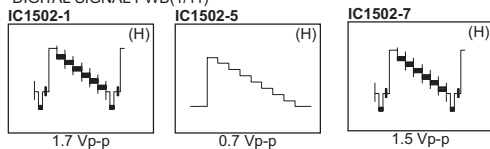
ANALOG SIGNAL PWB(2/5)



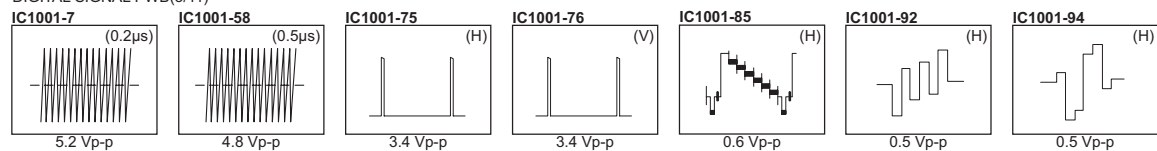
ANALOG SIGNAL PWB(3/5)



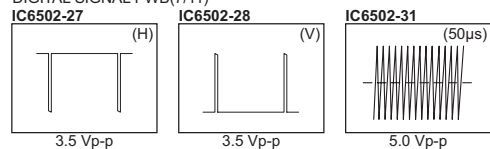
DIGITAL SIGNAL PWB(1/11)



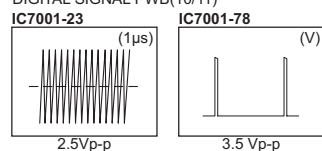
DIGITAL SIGNAL PWB(3/11)



DIGITAL SIGNAL PWB(7/11)



DIGITAL SIGNAL PWB(10/11)





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