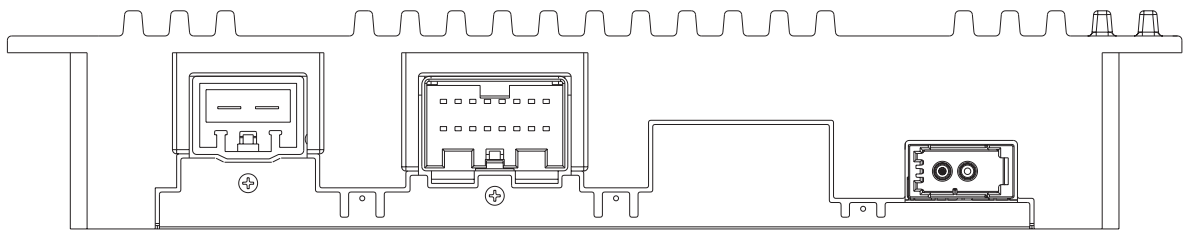


///ALPINE **SERVICE MANUAL**

AUDIO AMPLIFIER



JAGUAR

1 / 06-A
E05014



6W83-18C808-AB

<Cautions for Safe Repair Work>



The following cautions will prevent accidents in the workplace and will ensure safe products.

*The symbols indicate caution is needed to prevent injuries and damage to property.



The symbols and their meanings follow.

 Warning	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
 Caution	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.



*The following symbols indicate two levels of cautions.



 When you see this symbol, you have to be very careful.	
 When you see this symbol, you have to follow the instructions there.	



Warning

 Do not look squarely into the laser light coming from the pickup. You may lose your sight.	 Fuse Caution Always use a designated fuse. Use of an incorrect fuse may result in a fire.
--	--

Caution

 Do not allow wiring to be caught in the screw/chassis. If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	 Battery Caution Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
---	---

 High Temperature Caution Touching the heat sink may cause severe burns.	 Designated Parts Caution Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
---	---

 Reverse Power Supply Connections or Misconnections Caution Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	 Wiring Caution Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
---	---

 Soldering Caution Hot solder from solder splash may cause severe burns.	 Wear Gloves Wear gloves to prevent electrical shocks or injury from the end face of the metal.
---	--

Contents

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Description of IC Terminal	29 to 31
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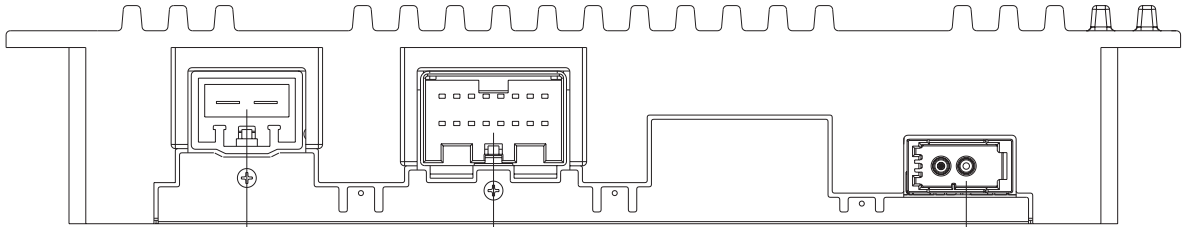
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Specifications

Frequency Response (TEST-JIG : STEP -14dB/ Treble/Bass : 0dB, Ref. 1kHz, Speaker Output : 4ohm-Load)	FL,FR,RL,RR,SubW,Center(20Hz) : 0 +1/-3dB FL,FR,RL,RR,SubW(20kHz) : 0±2dB Center(20kHz) : 0 +2/-3dB
Output Level (TEST-JIG : STEP -14dB/ Treble/Bass : 0dB, JIG Input Level : 0.089V, Speaker Output : 4ohm-Load)	FL,FR,RL,RR,SubW,Center(1kHz) : 1.9V±2.5dB
Power Output (2ch Drive, at 0.5% T.H.D., DC14.4V, TEST-JIG : STEP -10dB/ Treble/Bass : 0dB, Speaker Output : 4ohm-Load)	FL,FR,RL,RR,SubW(1kHz) : 80W Center(1kHz) : 8W
T.H.D. (TEST-JIG : STEP -14dB/ Treble/Bass : 0dB, Speaker Output : 4ohm-Load)	FL,FR,RL,RR,SubW(1kHz) : 0.15% Center(1kHz) : 0.3%
Residual Noise (TEST-JIG : STEP -14dB/ Treble/Bass : 0dB, Speaker Output : 4ohm-Load)	FL,FR,RL,RR,SubW,Center : 1.5mV
Current Drain (TEST-JIG : STEP -14dB/ Treble/Bass : 0dB, Speaker Output : 4ohm-Load)	Sleep Mode : 220μA Speaker Output : 0W : 2.2A
Power Source	DC13.5V
Dimensions (W x H x D)	143 x 280 x 52mm
Weight	2.2kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Parts Identification

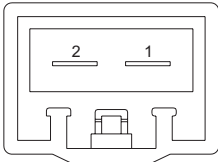


*CB1011 : WTB7382-5608-30-02DS

*CB1012 : WTB7382-5681-60-16DB

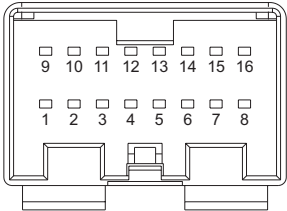
*IC4003 : ASSY,U020021

*CB1011 : WTB7382-5608-30-02DS



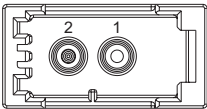
①	BATT
②	GND

*CB1012 : WTB7382-5681-60-16DB



①	Front L-
②	SubW -
③	Front R-
④	Rear L-
⑤	Rear R-
⑥	NC
⑦	Center -
⑧	NC
⑨	Front L+
⑩	SubW +
⑪	Front R+
⑫	Rear L+
⑬	Rear R+
⑭	NC
⑮	Center +
⑯	NC

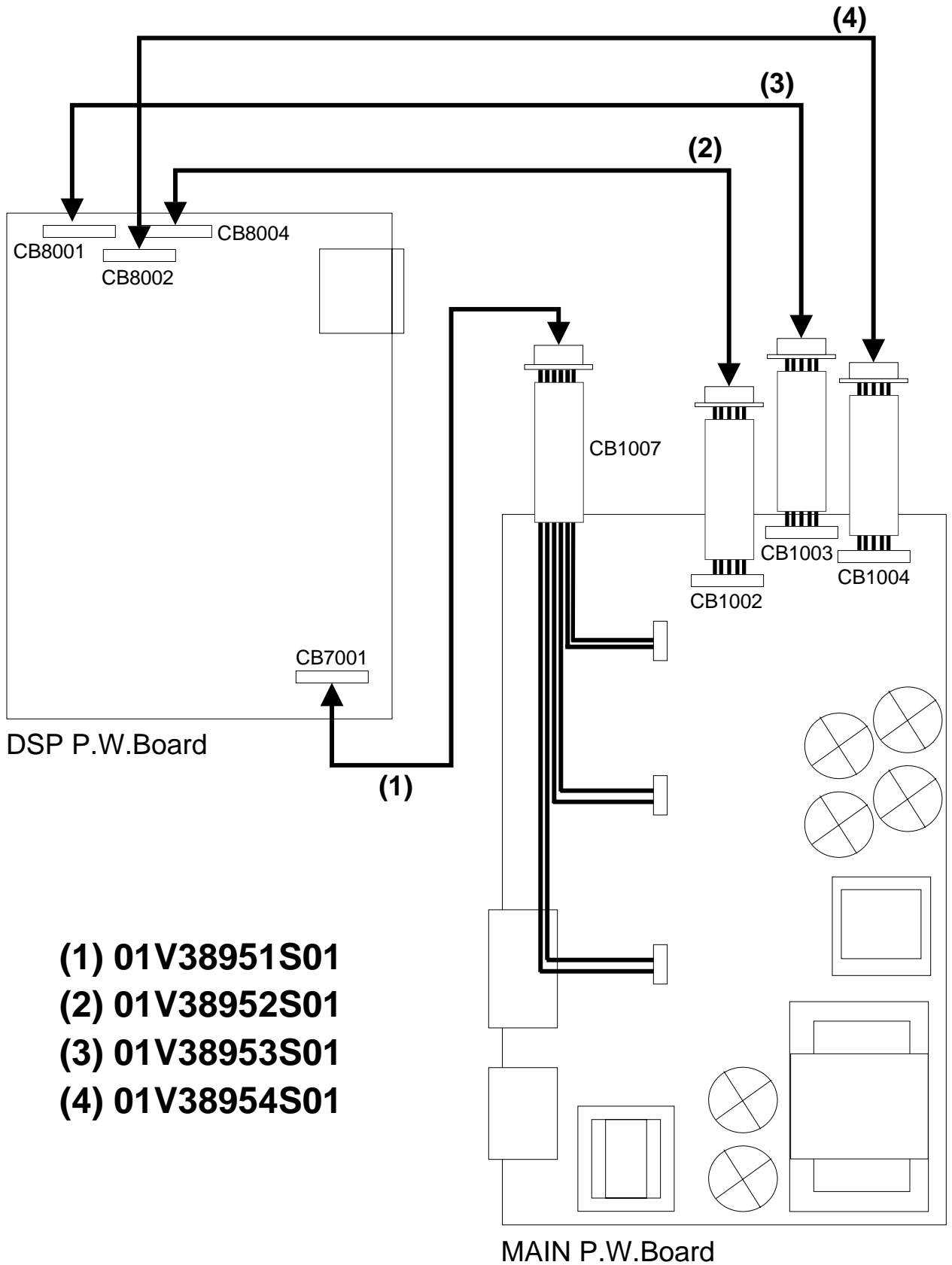
*IC4003 : ASSY,U020021



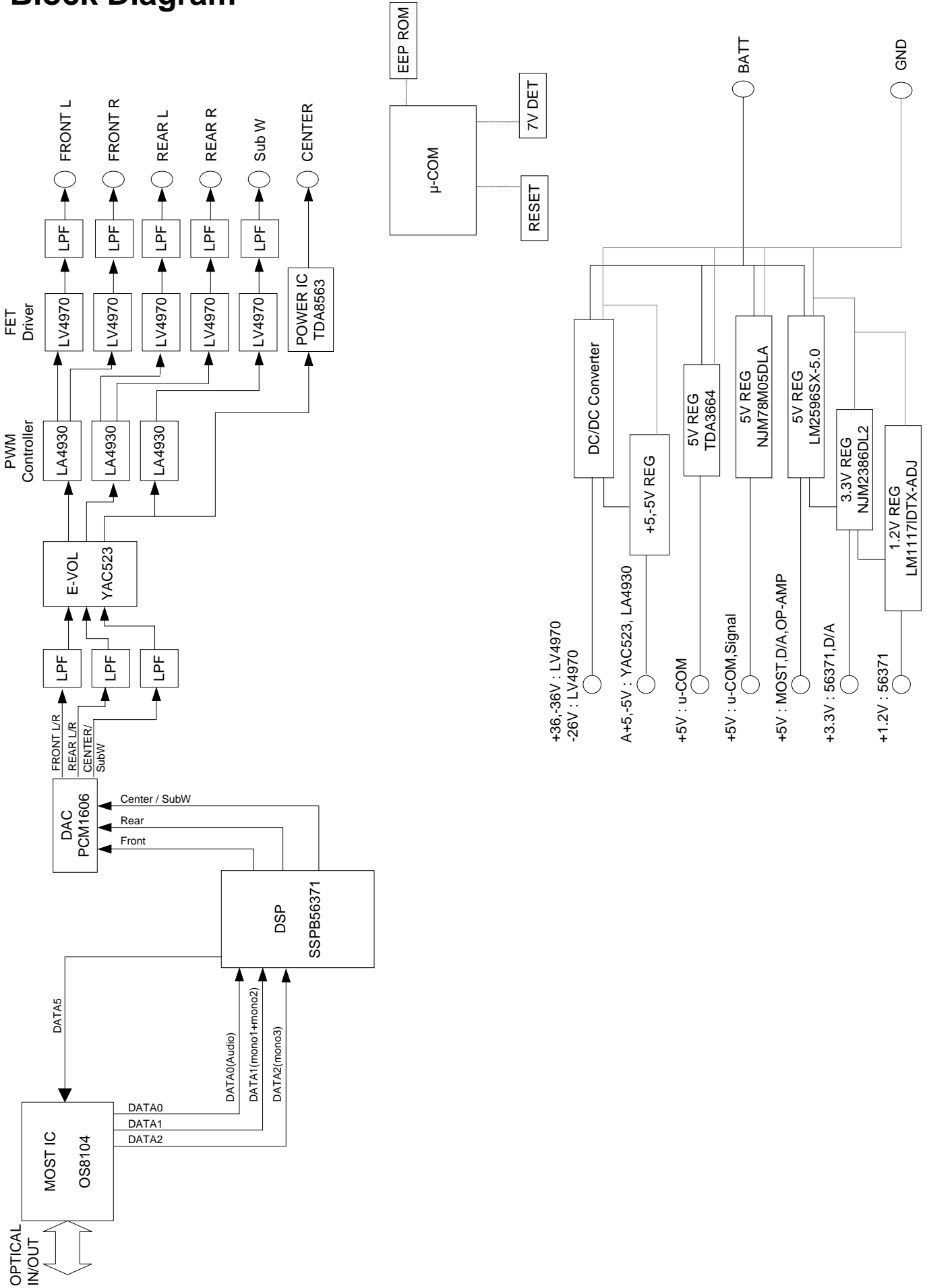
①	RX
②	TX

Extension Cable

* Always connect the Extension Cable when making checks of voltage and repair.

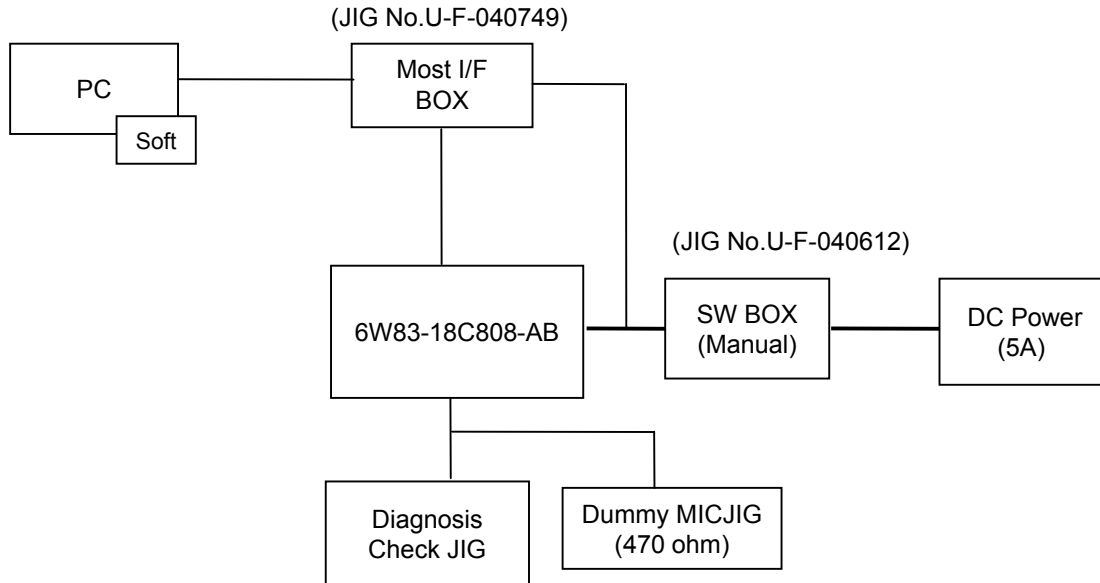


Block Diagram



Diagnosis Clear after product Measurement

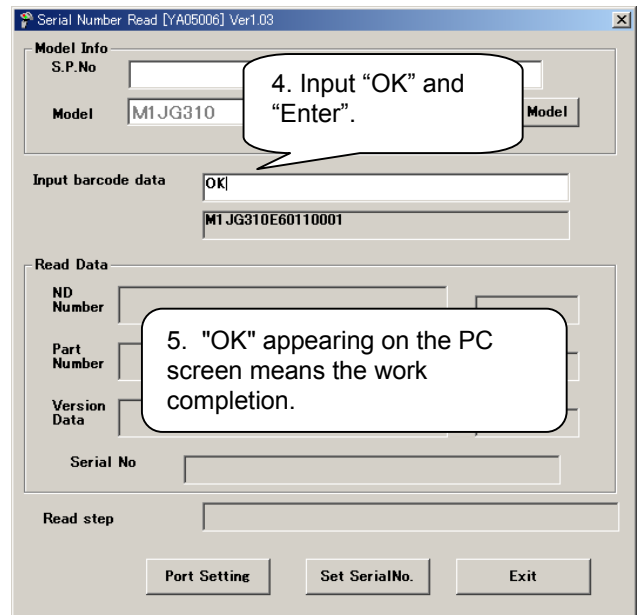
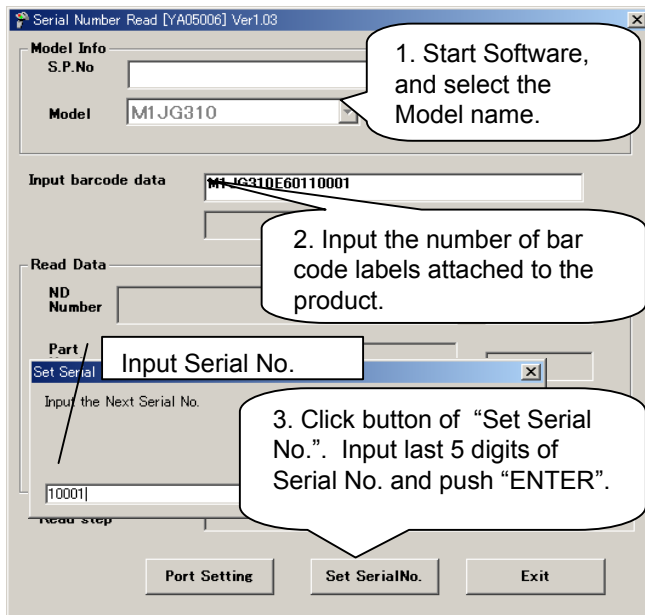
Connection of Product Measurement



SP/HP Dummy Load
(JIG No.U-F-040592)

Diagnosis Clear Process

Service parts 01E39814S01
Soft No. YA05036

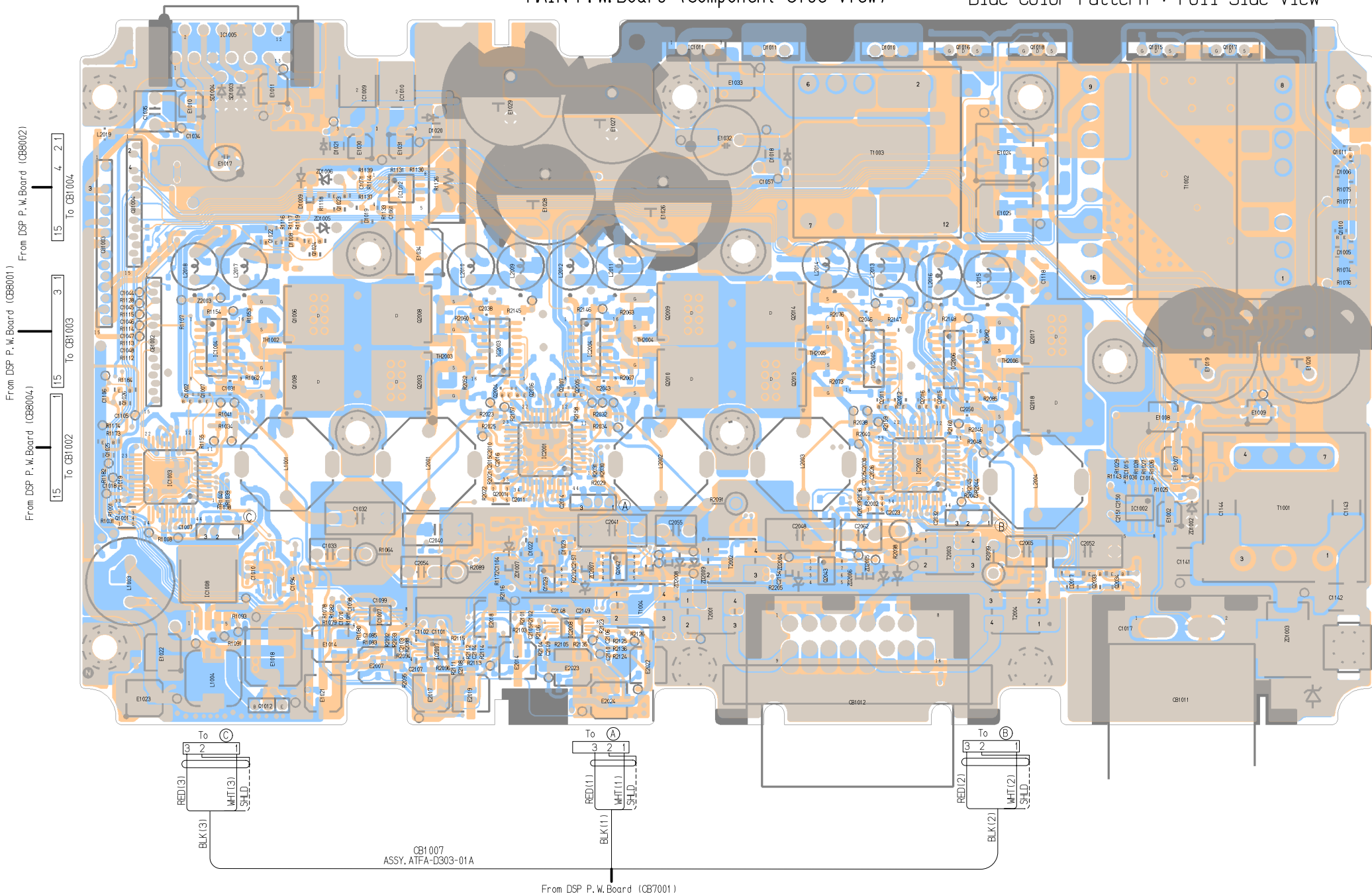


Parts Layout on P.W. Boards and Wiring Diagram(1/4)

Orange Color Pattern : Component Side View

Blue Color Pattern : Foil Side View

MAIN P.W.Board (Component Side View)



1

2

3

4

5

A

B

C

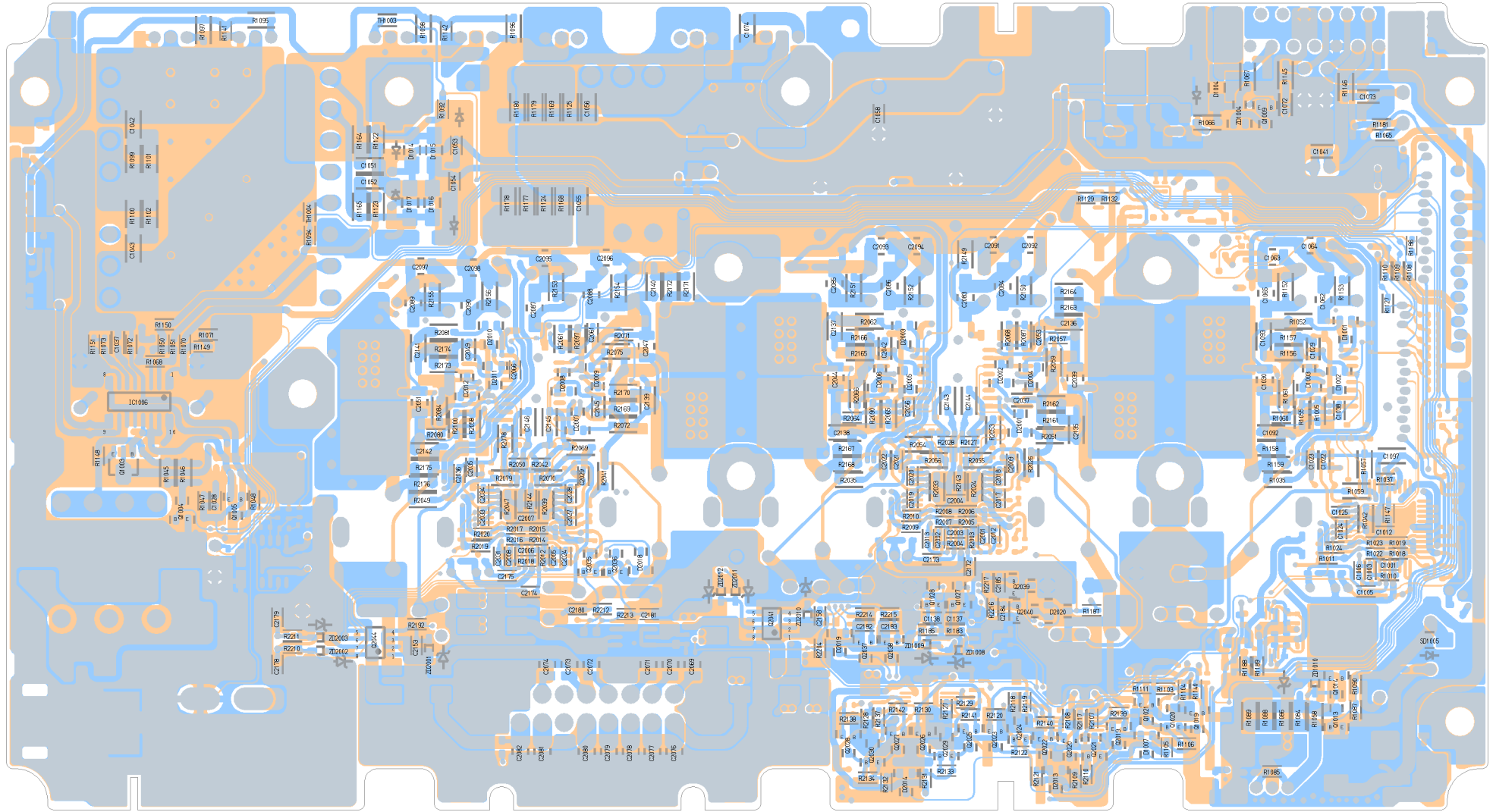
D

E

F

G

MAIN P.W.Board (Foil Side View)



Orange Color Pattern : Component Side View

Blue Color Pattern : Foil Side View

A

B

C

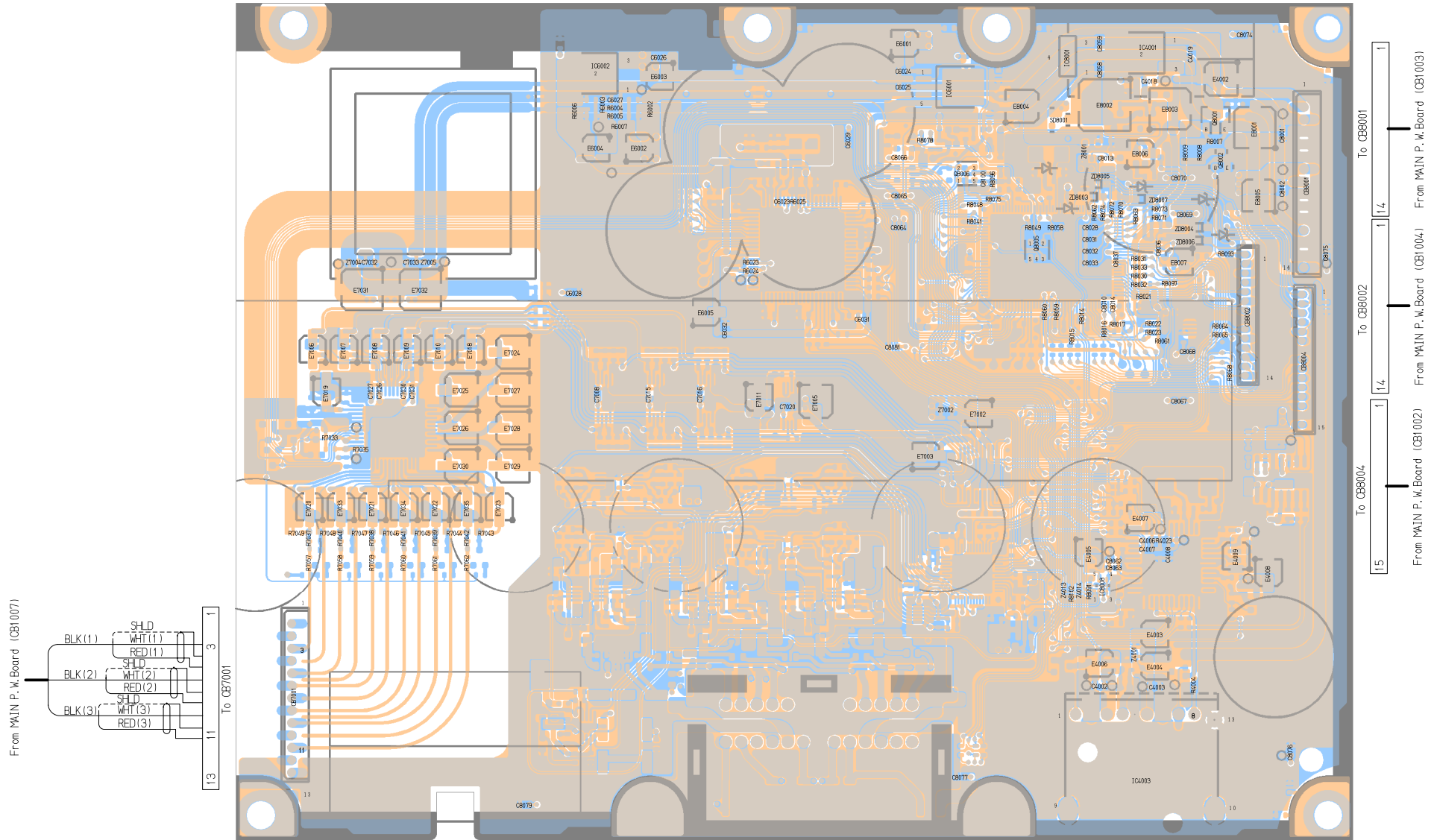
D

E

F

G

DSP P.W.Board (Component Side View)



Orange Color Pattern : Component Side View

Blue Color Pattern : Foil Side View

A

B

C

D

E

F

G

1

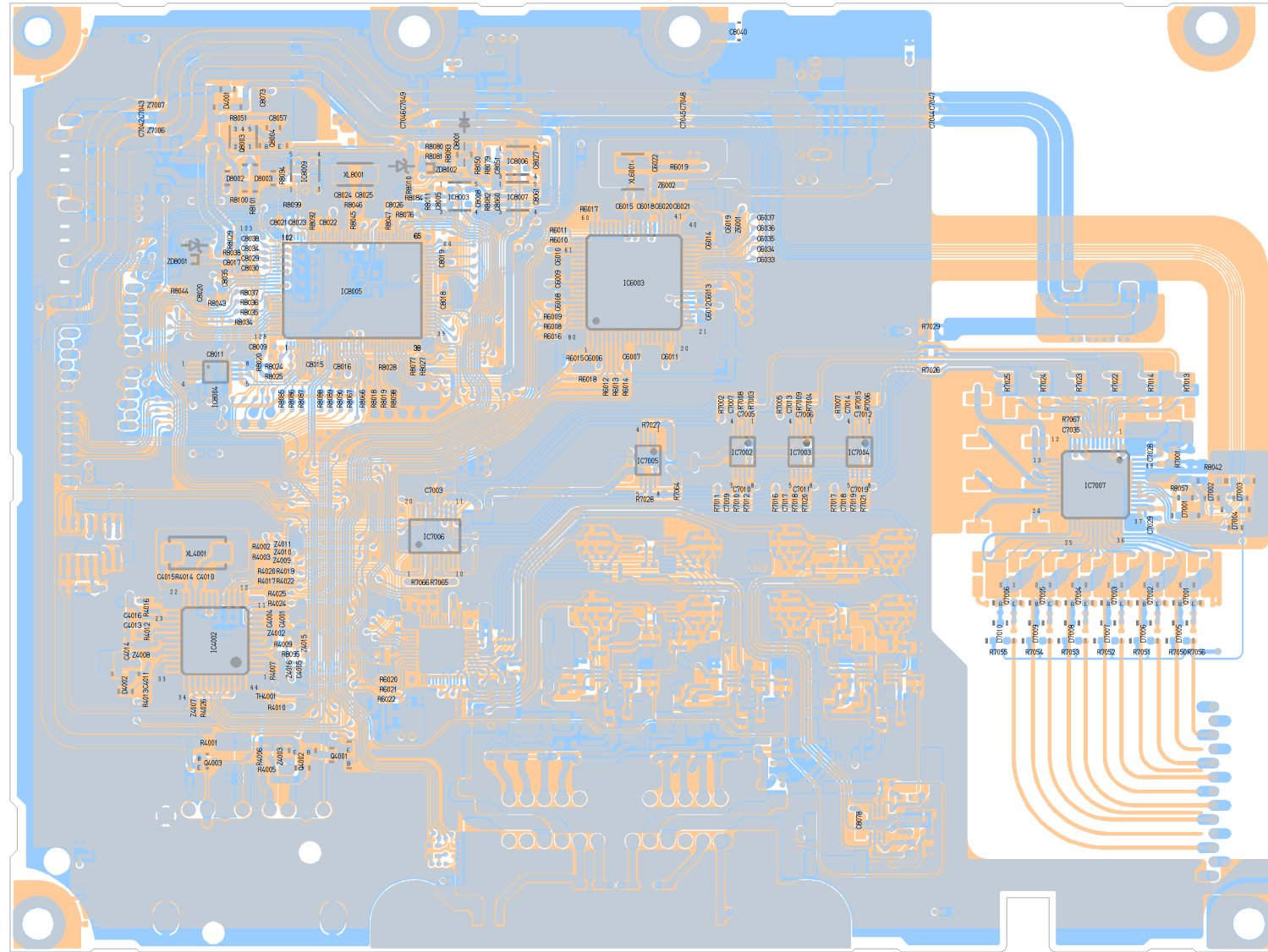
2

3

4

5

DSP P.W.Board (Foil Side View)



Orange Color Pattern : Component Side View

Blue Color Pattern : Foil Side View

A

B

C

D

E

F

G

1

2

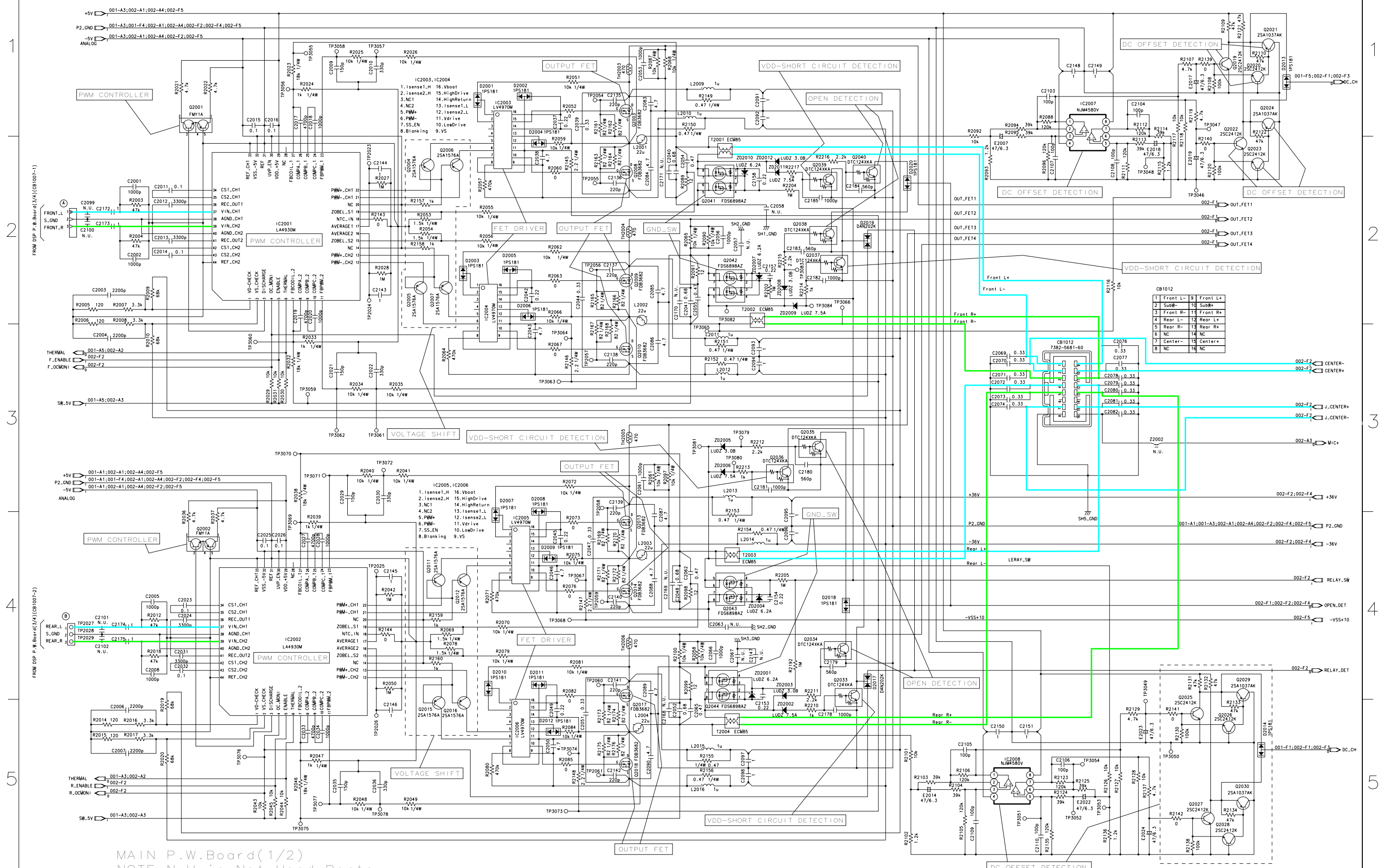
3

4

5

Schematic Diagram(1/6)

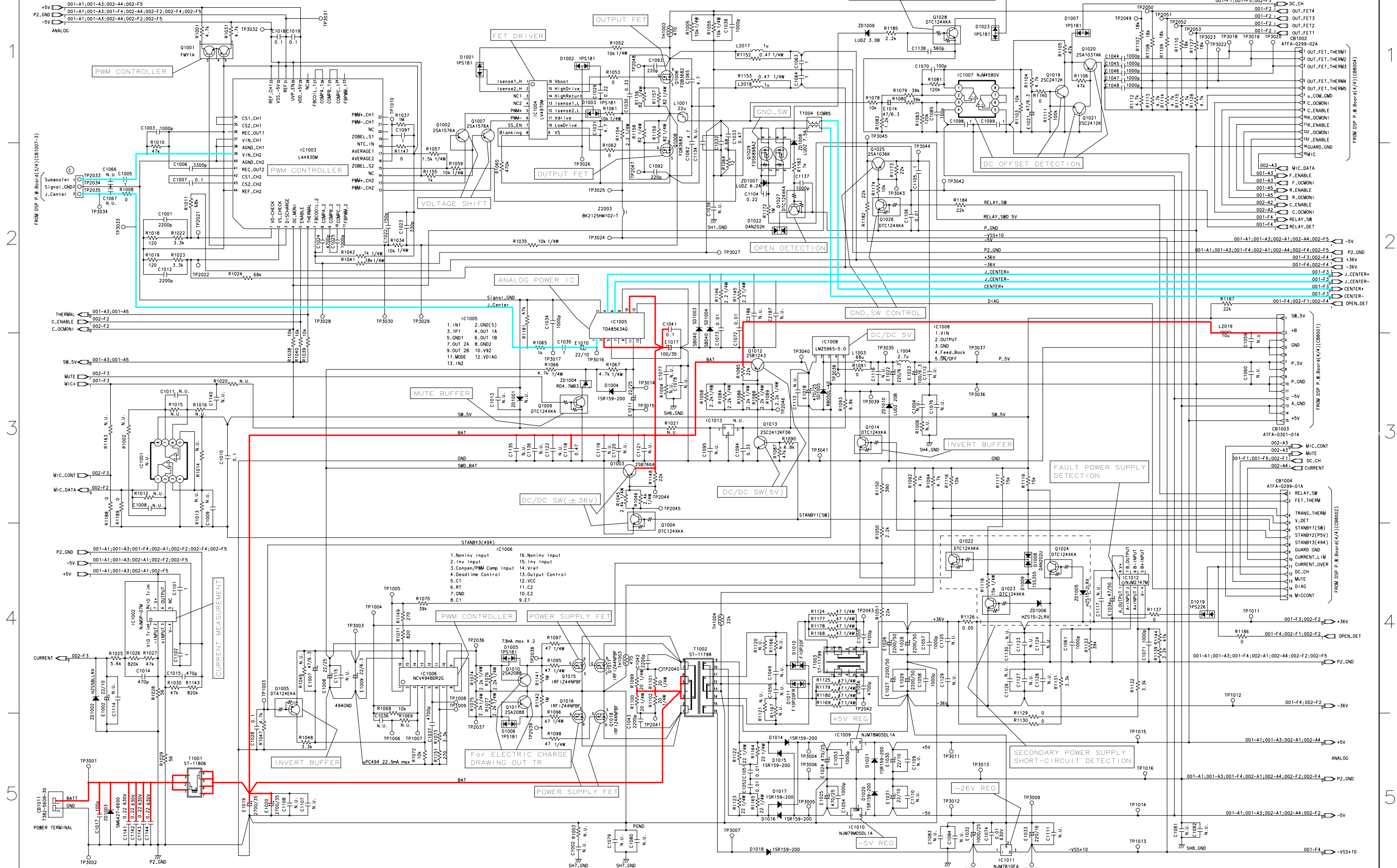
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MAIN P.W.Board(1/2)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(2/6)

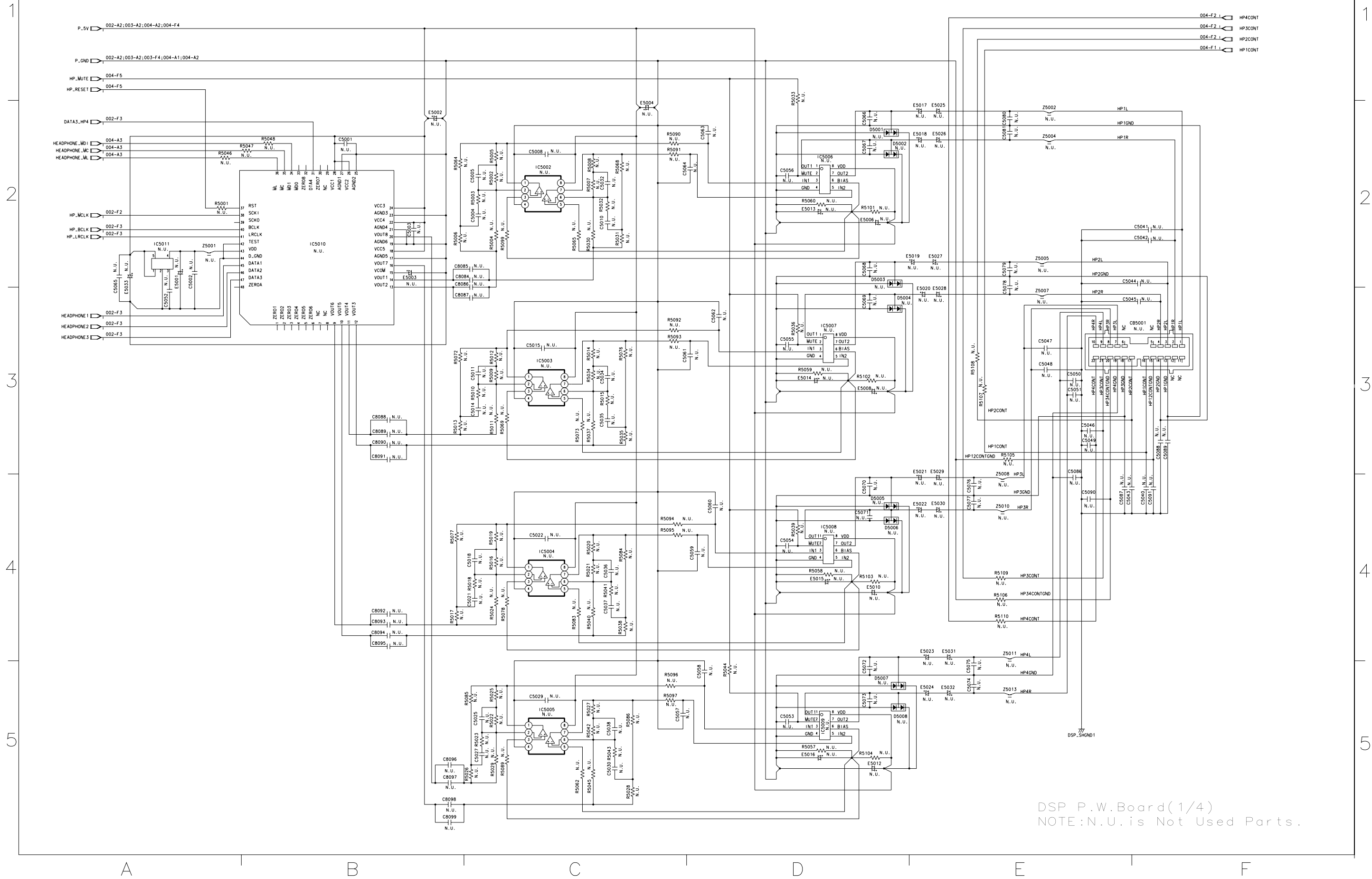
6W83-18C808-AB



MAIN P.W.Board(2/2)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(3/6)

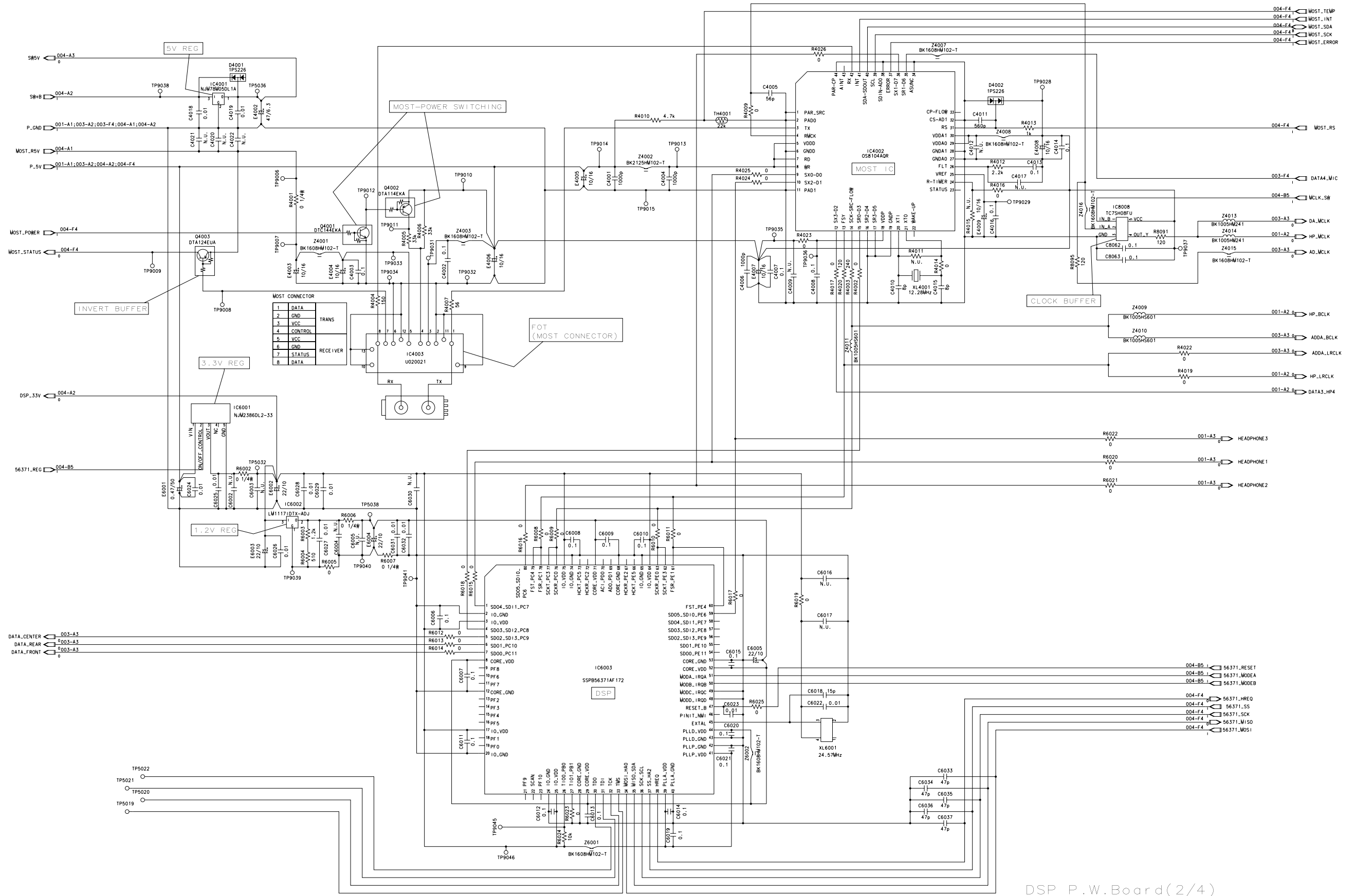
6W83-18C808-AB



DSP P.W.Board(1/4)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(4/6)

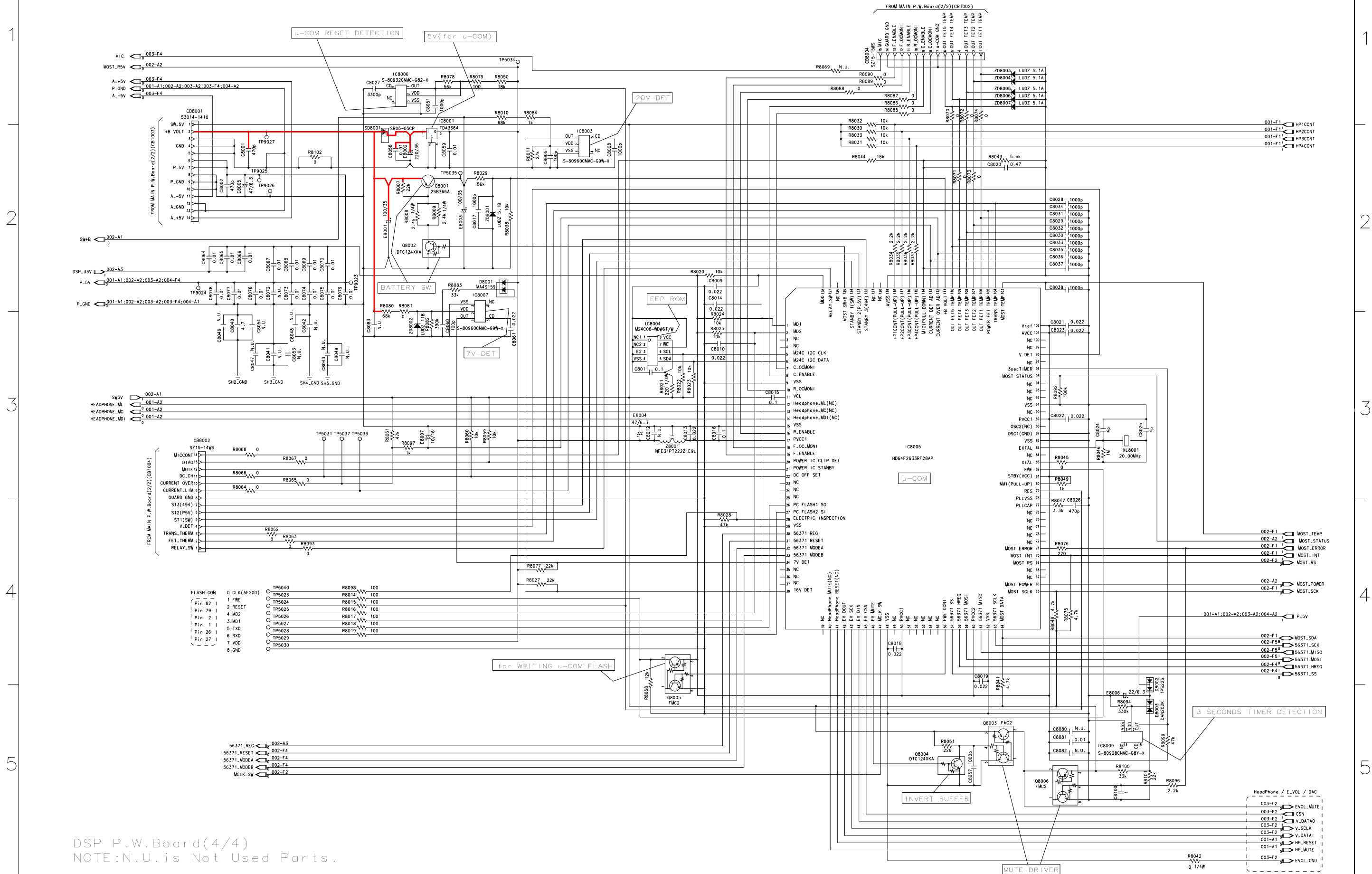
6W83-18C808-AB



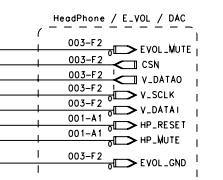
DSP P.W.Board(2/4)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(6/6)

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DSP P.W.Board(4/4)
 NOTE:N.U.is Not Used Parts.



Terminal Voltage of IC/TR

(MAIN P.W.Board)

IC1002							
1	5.05	2	0	3	0	4	-4.98
5	0	6	-2.15	7	5.12	8	5.05

IC1003							
1	1.89	2	-1.92	3	-4.69	4	5.14
5	0	6	5.14	7	0	8	0
9	0	10	2.13	11	0	12	-4.87
13	-4.91	14	-4.97	15	0	16	0
17	0	18	0	19	0	20	0
21	-4.9	22	-4.92	23	0	24	0
25	0	26	0	27	0	28	0
29	5.11	30	-5	31	0	32	-4.99
33	0	34	0	35	0	36	0
37	0	38	0	39	0	40	0
41	0	42	-0.91	43	0	44	0

IC1004							
1	34.4/-30.8 (PS)	2	34.4/-31.2 (PS)	3	0.23/-0.24 (PS)	4	0.12/-0.14 (PS)
5	-34.1	6	-33.3	7	-26.1	8	-30
9	-36.1	10	-26/-36.4 (PS)	11	-26	12	-35.2
13	-34.1	14	34.4/-32.8 (PS)	15	41.6/-32.8 (PS)	16	44/-24 (PS)

IC1005									
1	3.44	2	1.40	3	13.48	4	7.49	5	0.132
6	7.50	7	7.50	8	0.132	9	7.447	10	13.35
11	4.75	12	0.32	13	3.46				

IC1006							
1	0.95	2	0.95	3	1.84	4	0
5	2.96/0 (PS)	6	3.49	7	0	8	13
9	10.8/0 (PS)	10	10.8/0 (PS)	11	12.99	12	12.99
13	4.8	14	4.8	15	4.8	16	0

IC1007							
1	0	2	0	3	0	4	-5.05
5	0	6	0	7	0	8	5.02

IC1008									
1	13.2	2	12/0 (PS)	3	0	4	5.02	5	0

IC1009					
1	5.32	2	0.2	3	12.6

IC1010					
1	0	2	-12.2	3	-4.6

IC1011					
1	-26	2	-35.7	3	-14.7

IC1012							
1	35.6	2	33.4	3	33.9	4	0
5	0	6	0	7	35.6	8	36.2

IC2001							
1	1.85	2	-1.88	3	-4.76	4	5.05
5	5.06	6	5.06	7	0	8	0
9	0	10	0	11	0.44/-0.4 (PS)	12	-4.55
13	-4.55	14	-5.07	15	0	16	-0.17
17	-0.17	18	0	19	0	20	-4.98
21	-4.45	22	-4.45	23	0.48/-0.4 (PS)	24	0
25	0	26	0	27	0	28	0
29	5.09	30	-5.02	31	0	32	-5.02
33	0	34	0.95	35	0	36	0
37	0	38	0	39	0	40	0
41	0	42	-0.95	43	0	44	0

IC2002							
1	1.88	2	1.84	3	3.12	4	5.08
5	5.08	6	5.08	7	0	8	0
9	0.06/-0.07 (PS)	10	0.12/-0.14 (PS)	11	0.44/-0.48 (PS)	12	-4.5
13	-4.49	14	-5.04	15	0	16	-0.2
17	-0.2	18	0	19	0	20	-5.03
21	-4.98	22	-4.95	23	0	24	-1.95
25	0	26	0	27	0	28	0
29	4.98	30	-5.03	31	0	32	-5.03
33	0	34	0.93	35	0	36	0
37	0	38	0	39	0	40	0
41	0	42	-0.95	43	0	44	0

IC2003							
1	34/-30.8 (PS)	2	34/-31.2 (PS)	3	0.27/-0.28 (PS)	4	0.13/-0.15 (PS)
5	-33.8	6	-33.8	7	-26	8	-30
9	-36.1	10	-26.4/-37.6 (PS)	11	-26.1	12	-35.3
13	-34.8	14	34.4/-32.4 (PS)	15	41.6/-32.8 (PS)	16	43.2/-24 (PS)

IC2004							
1	33.6/-31.2 (PS)	2	33.6/-32 (PS)	3	0.23/-0.24 (PS)	4	0.11/-0.12 (PS)
5	-33.9	6	-33.8	7	-26.1	8	-30
9	-36.1	10	-26/-36.4 (PS)	11	-26.1	12	-35.4
13	-34.5	14	34/-33.2 (PS)	15	41.6/-32.8 (PS)	16	43.2/-24 (PS)

IC2005							
1	33.6/-31.2 (PS)	2	33.6/-32 (PS)	3	0.31/-0.31 (PS)	4	0.16/-0.16 (PS)
5	-34.8	6	-33.4	7	-26.1	8	-30
9	-36.1	10	-26/-36.4 (PS)	11	-26.1	12	-35.2
13	-34.5	14	33.6/-32.8 (PS)	15	41.2/-32.4 (PS)	16	42.4/-24 (PS)

IC2006							
1	34.4/-31.2 (PS)	2	34.4/-32 (PS)	3	0.25/-0.26 (PS)	4	0.12/-0.13 (PS)
5	-34	6	-33.5	7	-26.1	8	-29.9
9	-35.9	10	-26/-36.4 (PS)	11	-26.1	12	-35.2
13	-34.7	14	34/-32.4 (PS)	15	41.6/-32.4 (PS)	16	43.2/-23.6 (PS)

IC2007							
1	0	2	0	3	0	4	-4.97
5	0	6	0	7	0	8	5.02

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IC2008							
1	0	2	0	3	0	4	-4.97
5	0	6	0	7	0	8	5.02

Q1001									
1	5.06	2	-4.99	3	0	4	0	5	-4.7

Q1002					
E	-4.54	B	-5.06	C	-31.2/-35.2 (PS)

Q1003					
B	12.2	C	12.99	E	13

Q1004					
B	4.91	C	0	E	0

Q1005					
B	0	C	4.9	E	4.97

Q1006					
G	40.4/-36.4 (PS)	S	34.4/-36.4 (PS)	D	36

Q1007					
E	-4.54	B	-5.06	C	-31.2/-35.2 (PS)

Q1008					
G	-25.6/-36.4 (PS)	S	-35.8	D	35.2/-36.4 (PS)

Q1009					
B	5.36	C	0.132	E	0.131

Q1010					
E	10.80/0.00 (PS)	B	10.40/-1.20 (PS)	C	0

Q1011					
E	11.93/-0.32 (PS)	B	10.72/-0.96 (PS)	C	0

Q1012					
E	13.2	C	13.2	B	12.52

Q1013					
E	0.14	B	0.86	C	0.23

Q1014					
B	0.14	C	5.11	E	0.15

Q1015					
G	28/0 (PS)	D	12.8/-2 (PS)	S	0

Q1016					
G	28.4/0 (PS)	D	12.8/-2 (PS)	S	0

Q1017					
G	28/0 (PS)	D	12.8/-2 (PS)	S	0

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Q1018					
G	28.4/0 (PS)	D	12.8/-2 (PS)	S	0

Q1019					
E	0.18	B	0.14	C	5.17

Q1020					
B	5.14	C	0.13	E	5.17

Q1021					
E	0.14	B	0.17	C	5.15

Q1022					
B	0	C	5.15	E	0

Q1023					
B	0.55	C	5.14	E	35.7

Q1024					
B	21	C	0	E	0

Q1025					
B	5.01	C	5.01	E	4.38

Q1026					
B	0	C	0	E	2.79

Q1027					
B	0	C	4.84	E	0

Q1028					
B	0	C	4.82	E	0

Q1029							
1	0	2	4.5	3	0	4	4.5
5	0	6	0	7	0	8	0

Q2001									
1	-4.96	2	5.12	3	0	4	0	5	-4.67

Q2002									
1	-4.97	2	5.11	3	0	4	0	5	-4.66

Q2003					
G	42.4/-36 (PS)	S	35.2/-36 (PS)	D	36.7

Q2004					
E	-4.44	C	-31.2/-34.8 (PS)	B	-4.97

Q2005					
E	-4.45	C	-31.2/-34.8 (PS)	B	-4.98

Q2006					
E	-4.45	C	-31.2/-34.8 (PS)	B	-4.98

Q2007					
E	-4.28	C	-30.8/-34.4 (PS)	B	-4.82

Q2008					
G	-25.6/-36 (PS)	S	-36	D	35.2/-36 (PS)

Q2009					
G	42.4/-35.2 (PS)	S	34.4/-36 (PS)	D	36.6

Q2010					
G	-25.6/-36 (PS)	S	-35.9	D	35.2/-36 (PS)

Q2011					
E	-4.51	B	-5.05	C	-31.8/-34.2 (PS)

Q2012					
E	-4.52	B	-5.04	C	-31.2/-35.2 (PS)

Q2013					
G	42.4/-36 (PS)	S	35.2/-36.8 (PS)	D	36.7

Q2014					
G	-25.6/-36 (PS)	S	-36	D	35.2/-36 (PS)

Q2015					
E	-4.45	B	-4.98	C	-32/-34 (PS)

Q2016					
E	-4.45	B	-4.98	C	-32/-34 (PS)

Q2017					
G	40.8/-36.8 (PS)	S	33.6/-36.8 (PS)	D	35.4

Q2018					
G	-26.6/-35.8 (PS)	S	-36	D	33.6/-36.8 (PS)

Q2019					
E	0	B	0	C	4.98

Q2020					
E	0	B	0	C	4.97

Q2021					
B	4.97	C	0	E	4.97

Q2022					
E	0	B	0	C	4.98

Q2023					
E	0	B	0	C	4.97

Q2024					
B	4.96	C	0	E	4.99

Q2025					
E	0	B	0	C	4.99

Q2026					
E	0	B	0	C	4.97

Q2027					
E	0	B	0	C	4.99

Q2028					
E	0	B	0	C	4.96

Q2029					
B	0	C	0	E	4.99

Q2030					
B	4.96	C	0	E	4.98

Q2033					
B	0	C	0	E	4.8

Q2034					
B	0	C	0	E	4.8

Q2035					
B	0	C	4.83	E	0

Q2036					
B	0	C	4.83	E	0

Q2037					
B	0	C	4.83	E	0

Q2038					
B	0	C	4.83	E	0

Q2039					
B	0	C	4.83	E	0

Q2040					
B	0	C	5.05	E	0

Q2041							
1	0	2	4.46	3	0	4	4.46
5	0	6	0	7	0	8	0

Q2042							
1	0	2	4.5	3	0	4	4.5
5	0	6	0	7	0	8	0

Q2043							
1	0	2	4.52	3	0	4	4.5
5	0	6	0	7	0	8	0

Q2044							
1	0	2	4.46	3	0	4	4.46
5	0	6	0	7	0	8	0

(DSP P.W.Board)

IC4001					
1	13.14	2	0	3	5.1

IC4002							
1	0	2	0	3	6.48/-1.6 (PS)	4	4.56/0.4 (PS)
5	0	6	0	7	4.98	8	4.98
9	4.98/0 (PS)	10	0	11	0	12	4.98/0 (PS)
13	4.98/0 (PS)	14	4.98/0 (PS)	15	0	16	0
17	0	18	4.98/0 (PS)	19	0	20	0
21	0	22	0	23	0	24	4.98/0 (PS)
25	2.01	26	2.01	27	0	28	0
29	4.98	30	4.98	31	4.98	32	0
33	4.98/0 (PS)	34	0	35	4.98/0 (PS)	36	0
37	0	38	0	39	0	40	4.98/0 (PS)
41	4.98/0 (PS)	42	5.44/-0.48 (PS)	43	0	44	0

IC4003									
1	5.2/-0.2 (PS)	2	0	3	5.08	4	3.36	5	5.04
6	0	7	0	8	4.8/-0.08 (PS)	9	0	10	0
11	0	12	0	13	0				

IC6001									
1	5.04	2	5.04	3	3.36	4	0	5	0

IC6002					
1	0	2	1.26	3	3.26

IC6003							
1	5.8/0 (PS)	2	0	3	3.27	4	0
5	3.96/0 (PS)	6	3.96/0 (PS)	7	1.25	8	0
9	0	10	0	11	0	12	0
13	0	14	0	15	0	16	0
17	3.27	18	0	19	0	20	0
21	0	22	0	23	0	24	0
25	3.27	26	2.95	27	0	28	0
29	1.25	30	0	31	2.6	32	2.58
33	2.6	34	0	35	2.59	36	0
37	4.98	38	0	39	3.27	40	0
41	3.26	42	0	43	0	44	1.25
45	3.68/-0.36 (PS)	46	2.58	47	4.98	48	0
49	0	50	4.98	51	0	52	1.25
53	0	54	0	55	0	56	0
57	0	58	0	59	0	60	5.16/0 (PS)
61	5.16/0 (PS)	62	5.36/0 (PS)	63	5.36/0 (PS)	64	3.27
65	0	66	0	67	0	68	0
69	0	70	0	71	1.25	72	0
73	0	74	0	75	3.27	76	5.36/0 (PS)
77	5.36/0 (PS)	78	5.12/0 (PS)	79	5.12/0 (PS)	80	0

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IC7002							
1	2.47	2	2.49	3	2.49	4	0
5	2.49	6	2.49	7	2.47	8	2.49

IC7003							
1	2.47	2	2.49	3	2.49	4	0
5	2.49	6	2.49	7	2.47	8	2.49

IC7004							
1	2.47	2	2.49	3	2.49	4	0
5	2.49	6	2.49	7	2.47	8	2.49

IC7005							
1	2.49	2	2.49	3	2.49	4	0
5	2.49	6	2.49	7	2.49	8	2.49

IC7006							
1	3.36/0 (PS)	2	3.36/0 (PS)	3	3.36/0 (PS)	4	4.97/0 (PS)
5	4.97/0 (PS)	6	0	7	0	8	2.51
9	2.51	10	2.51	11	2.51	12	2.51
13	2.51	14	2.52	15	2.49	16	0
17	0	18	5.12/0 (PS)	19	5.24/0 (PS)	20	5.56/0 (PS)

IC7007							
1	-4.97	2	5.04	3	0	4	0
5	0	6	0	7	0	8	0
9	0	10	5.04	11	-4.97	12	0
13	0	14	0	15	0	16	0
17	0	18	0	19	0	20	0
21	0	22	0	23	0	24	0
25	0	26	0	27	0	28	0
29	0	30	0	31	0	32	0
33	0	34	0	35	0	36	0
37	-4.97	38	5.03	39	0	40	4.99
41	0	42	0	43	5.03	44	0
45	0	46	0	47	0	48	-4.97

IC8001					
1	12.88	2	0	3	5.04

IC8003									
1	0	2	3.69	3	0	4	0	5	0

IC8004							
1	0	2	0	3	0	4	0
5	5.09	6	5.09	7	0	8	5.09

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IC8005							
1	4.98	2	4.98	3	0	4	0
5	5.09	6	5.09	7	5.09	8	5.09
9	0	10	5.09	11	3.23	12	5.09
13	0	14	5.09	15	0	16	5.09
17	5.09	18	5.09	19	5.09	20	5.09
21	0	22	0	23	0	24	0
25	0	26	0	27	0	28	0
29	4.98	30	4.98	31	0	32	4.98
33	4.98	34	0	35	0	36	0
37	0	38	0	39	4.98	40	4.98
41	4.98	42	0	43	0	44	5.03
45	4.98	46	4.98	47	4.98	48	0
49	0	50	4.98	51	0	52	0
53	0	54	0	55	0	56	0
57	4.98	58	0	59	0	60	4.98
61	2.59	62	0	63	0	64	5.24/0 (PS)
65	5.20/0 (PS)	66	4.98	67	0	68	0
69	4.98	70	5.1	71	0	72	0
73	0	74	0	75	4.97	76	0
77	1.48	78	0	79	4.93	80	4.99
81	4.99	82	0	83	3.80/1.36 (PS)	84	0
85	3.52/1.40 (PS)	86	0	87	0	88	0
89	4.99	90	4.99	91	0	92	0
93	0	94	0	95	4.99	96	4.99
97	0	98	4.99	99	0	100	0
101	4.99	102	4.99	103	3.28	104	3.16
105	0.52	106	4.96	107	4.88	108	4.88
109	4.88	110	4.88	111	2.12	112	5.2
113	2.44	114	2.44	115	2	116	5.2
117	5.2	118	5.2	119	5.2	120	0
121	0	122	0	123	5.04	124	5.08
125	5.08	126	0	127	5.08	128	5.08

IC8006									
1	4.93	2	4.95	3	0	4	0	5	0

IC8007									
1	4.93	2	4.96	3	0	4	0	5	0

IC8008									
1	4.92	2	5.60/-0.48 (PS)	3	0	4	5.84/-1.04 (PS)	5	4.94

IC8009									
1	4.97	2	4.27	3	0	4	0	5	0

Q4001					
B	5.08	C	0	E	0

Q4002					
B	0	C	5.08	E	5.08

Q4003					
E	0	B	5.08	C	5.08

Q7001					
B	-0.14	E	0	C	0

Q7002					
B	-0.14	E	0	C	0

Q7003					
B	-0.14	E	0	C	0

Q7004					
B	-0.14	E	0	C	0

Q7005					
B	-0.14	E	0	C	0

Q7006					
B	-0.14	E	0	C	0

Q8001					
B	13.12	C	12.4	E	13.12

Q8002					
B	0	C	0	E	5.04

Q8003									
1	-4.6	2	5.04	3	0	4	0	5	5.05

Q8004					
B	4.9	C	0	E	0

Q8005									
1	0	2	5.04	3	0	4	0	5	5.04

Q8006									
1	5.12	2	-4.48	3	5.12	4	0	5	0

[Measuring Conditions]

- 1.Power Supply Voltage : DC13.5V
- 2.Measuring Meter : Digital Oscilloscope (by measure function)
- 3.Measuring Point Reference : Between GND
- 4.Measuring Condition : No Signal Input (Audio Analyzer (OSC output block) / Vol. : -50dB)

Description of IC Terminal

HD64F2633RF28-A01 : IC8005

No.	Symbol	I/O	Terminal Description
1	MD1	I	MODE terminal.
2	MD2		
3	NC	-	No connect terminal.
4			
5	M24C I2C CLK	O	E2P-ROM I2C CLK output terminal.
6	M24C I2C DATA	I/O	E2P-ROM I2C DATA input/output terminal.
7	C_OCMONI	I	ICE POWER C_OC-MONI input terminal.
8	C_ENABLE	O	ICE POWER C_ENABLE output terminal.
9	VSS	-	GND Connect terminal.
10	R_OCMONI	I	ICE POWER R_OC-MONI input terminal.
11	VCL	O	Capacitor connect terminal.
12	Headphone_ML(NC)	-	No connect terminal.
13	Headphone_MC(NC)		
14	Headphone_MDI(NC)		
15	VSS	-	GND Connect terminal.
16	R_ENABLE	O	ICE POWER R_ENABLE output terminal.
17	PVCC1	-	Power supply terminal.
18	F_OC_MONI	I	ICE POWER F_OC-MONI input terminal.
19	F_ENABLE	O	ICE POWER F_ENABLE output terminal.
20	POWER IC CLIP DET	I	POWER IC CLIP DET input terminal.
21	POWER IC STANBY	O	POWER IC STANBY output terminal.
22	DC OFF SET	I	DC OFFSET input terminal.
23	NC	-	No connect terminal.
24			
25			
26	PC FLASH1 SO	O	PC_FLASH output terminal.
27	PC FLASH2 SI	I	PC_FLASH input terminal.
28	ELECTRIC INSPECTION	O	Electric inspection output terminal.
29	VSS	-	GND Connect terminal.
30	56371 REG	O	DSP REG output terminal.
31	56371 RESET	O	DSP RESET output terminal.
32	56371 MODEA	O	DSP MODEA output terminal.
33	56371 MODEB	O	DSP MODEB output terminal.
34	7V DET	I	B-DET1 (7V) terminal.
35	NC	-	No connect terminal.
36			
37			
38	16V DET	I	B-DET2 (16V) terminal.
39	NC	-	No connect terminal.
40	Headphone MUTE(NC)		
41	Headphone RESET(NC)		
42	EV DOUT	O	E-VOL DATA-OUT output terminal.
43	EV SCK	O	E-VOL DATA SCLK output terminal.
44	EV DIN	I	E-VOL DATA-IN input terminal.
45	EV CSN	O	E-VOL CSN output terminal.

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No.	Symbol	I/O	Terminal Description
46	EV MUTE	O	E-VOL MUTE output terminal.
47	MCLK SW	O	MCLK_SW output terminal.
48	VSS	-	GND Connect terminal.
49	NC	-	No connect terminal.
50	PVCC1	-	Power supply terminal.
51	NC	-	No connect terminal.
I			
55			
56	FWE CONT	O	FLASH FWE CONT output terminal.
57	56371 SS	O	DSP CHIP SELECT output terminal.
58	56371 HREQ	I	DSP HREQ input terminal.
59	56371 MOSI	O	DSP MOSI output terminal.
60	PVCC2	-	Power supply terminal.
61	56371 MISO	I	DSP MISO input terminal.
62	VSS	-	GND Connect terminal.
63	56371 SCLK	O	DSP SCLK output terminal.
64	MOST DATA	O	MOST DATA output terminal.
65	MOST SCLK	O	MOST SCLK output terminal.
66	MOST POWER	O	MOST POWER output terminal.
67	NC	-	No connect terminal.
68			
69	MOST RS	O	MOST RS output terminal.
70	MOST INT	I	MOST INT input terminal.
71	MOST ERROR	I	MOST ERROR input terminal.
72	NC	-	No connect terminal.
I			
76			
77	PLLCAP	I	Capacitor connect terminal.
78	PLLVSS	-	GND connect terminal.
79	RES	I	PC_FLASH RESET input terminal.
80	NMI(PULL-UP)	-	Pull-up connect terminal.
81	STBY(VCC)	-	VCC connect terminal.
82	FWE	I	PC_FLASH FWE input terminal.
83	XTAL	I	Crystal connect terminal.
84	NC	-	No connect terminal.
85	EXTAL	I	Crystal connect terminal.
86	VSS	-	GND Connect terminal.
87	OSC1(GND)		
88	OSC2(NC)	-	No connect terminal.
89	PVCC1	-	Power supply terminal.
90	NC	-	No connect terminal.
91	VSS	-	GND Connect terminal.
92	NC	-	No connect terminal.
I			
94			
95	MOST STATUS	I	MOST STATUS input terminal.
96	3secTIMER	I	3sec. timer input terminal.
97	NC	-	No connect terminal.

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No.	Symbol	I/O	Terminal Description
98	V DET	I	DIAG V_DET input terminal.
99	NC	-	No connect terminal.
100			
101	AVCC	-	Power supply terminal.
102	Vref		
103	MOST TEMP	I	DIAG MOST TEMP input terminal.
104	TRANS TEMP	I	DIAG TRANS TEMP input terminal.
105	POWER FET TEMP	I	DIAG POWER FET TEMP Input terminal.
106	OUT FET1 TEMP	I	DIAG OUT FET1 TEMP input terminal.
107	OUT FET2 TEMP	I	DIAG OUT FET2 TEMP input terminal.
108	OUT FET3 TEMP	I	DIAG OUT FET3 TEMP input terminal.
109	OUT FET4 TEMP	I	DIAG OUT FET4 TEMP input terminal.
110	OUT FET5 TEMP	I	DIAG OUT FET5 TEMP input terminal.
111	+B VOLT	I	DIAG +B VOLT input terminal.
112	CURRENT OVER AD	I	DIAG CURRENT OVER AD input terminal.
113	CURRENT DET AD	I	DIAG CURRENT DET AD input terminal.
114	MIC(PULL-DOWN)	-	Pull-down connect terminal.
115	HP4CONT(PULL-UP)	-	Pull-up connect terminal.
116	HP3CONT(PULL-UP)		
117	HP2CONT(PULL-UP)		
118	HP1CONT(PULL-UP)		
119	AVSS	-	GND Connect terminal.
120	NC	-	No connect terminal.
121			
122	STANBY 3(494)	O	Power supply STANBY3 (494) output terminal.
123	STANBY 2(P_5V)	O	Power supply STANBY2 (P5V) output terminal.
124	STANBY 1(SW)	O	Power supply STANBY1 output terminal.
125	MOST SW+B	O	Power Supply SW+B output terminal.
126	NC	-	No connect terminal.
127	RELAY_SW	O	ICE POWER POP-CANCEL output terminal.
128	MD0	I	MODE terminal.

Exploded View (Cabinet)

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