

Service Manual



DDJ-SB3

ORDER NO.
QRT1022

DJ CONTROLLER

DDJ-SB3

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
DDJ-SB3	SXJ	DC 5 V	
DDJ-SB3	XJCN	DC 5 V	

THIS SERVICE MANUAL SHOULD BE USED TOGETHER WITH THE FOLLOWING MANUAL(S).

Model	Order No.	Remarks
DDJ-SB3	QRT1021	BLOCK DIAGRAM, EXPLODED VIEWS AND PARTS LIST etc.



SAFETY INFORMATION



A

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

CAUTION

B

Since the fuse may be in the neutral of the mains supply, disconnect the mains to de-energize the phase conductors.

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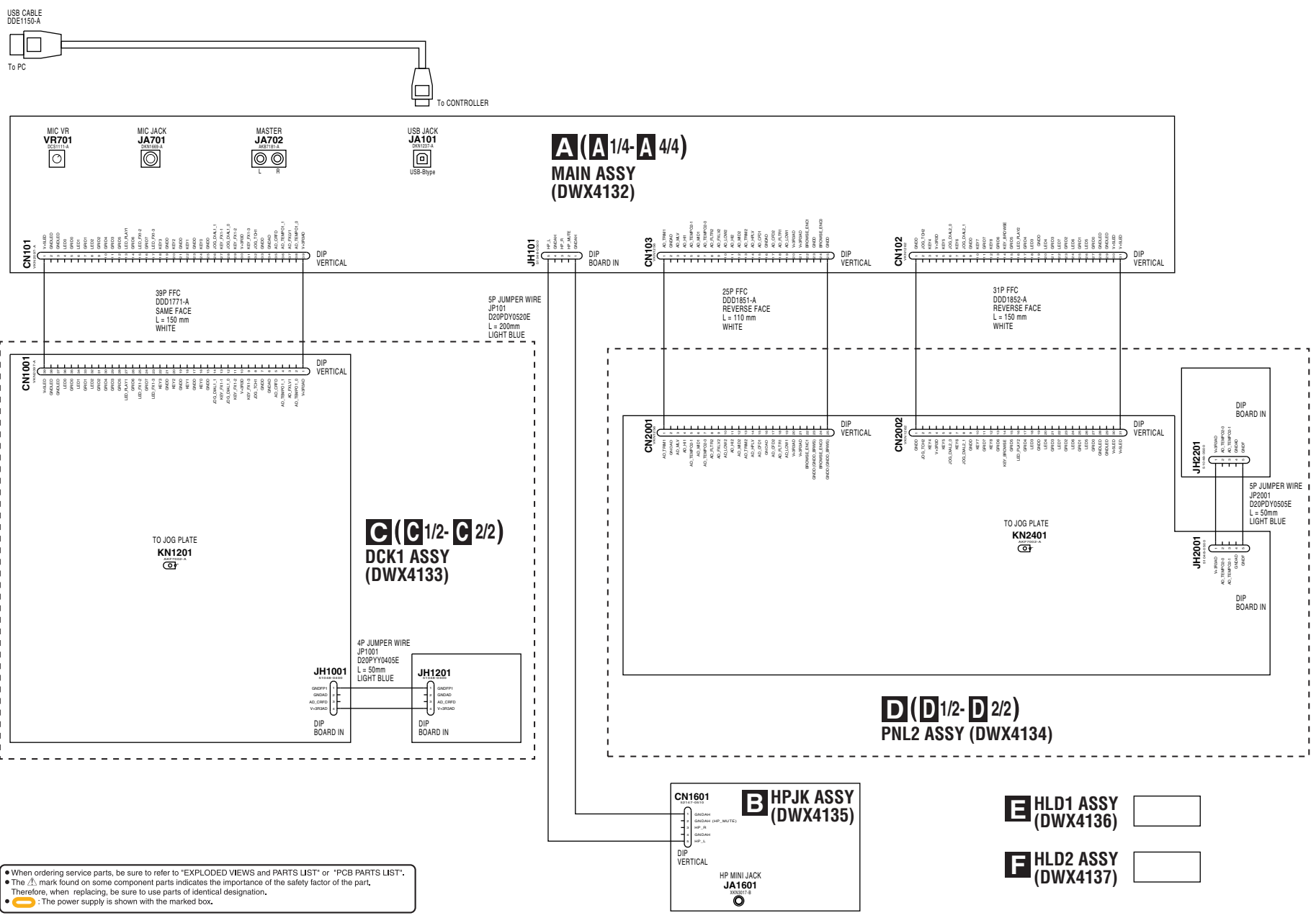
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DDJ-SB3

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10. SCHEMATIC DIAGRAM

10.1 OVERALL WIRING DIAGRAM



DDJ-SB3

• When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
 • The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 • The power supply is shown with the marked box.

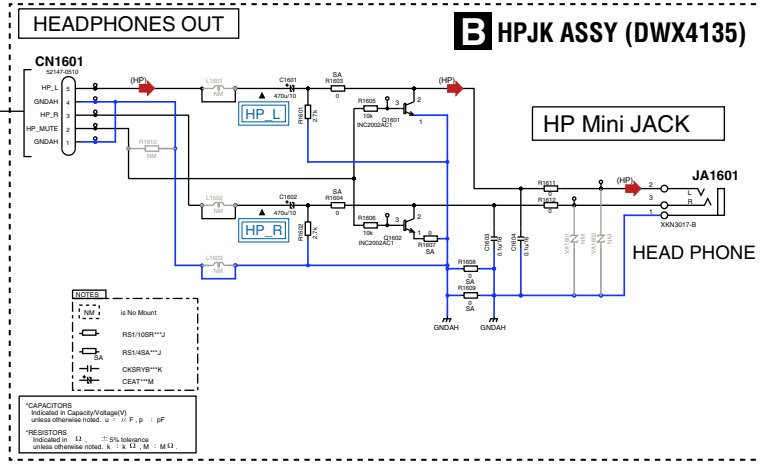
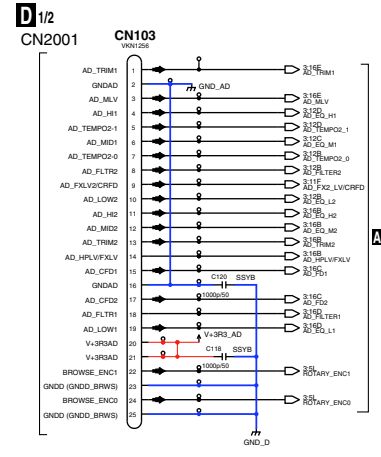
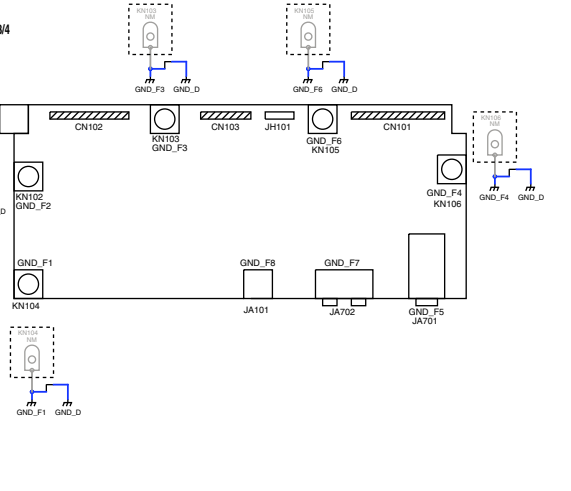
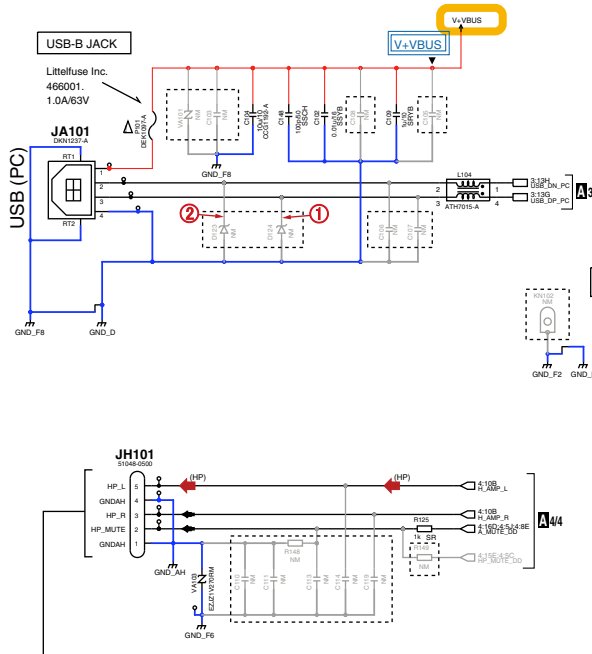
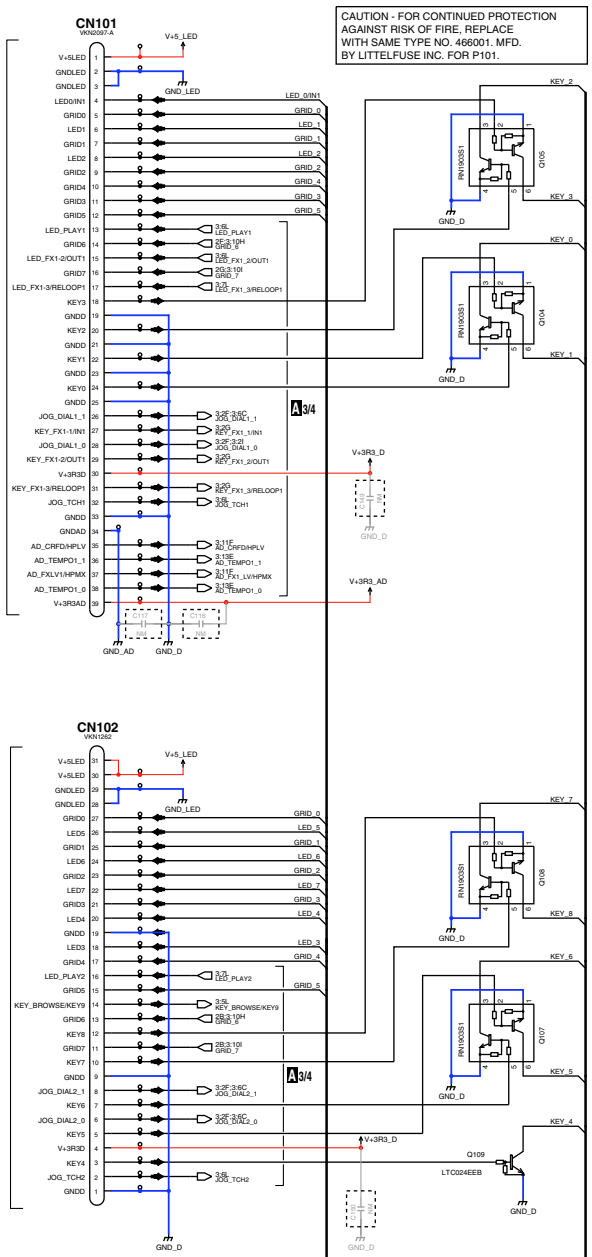
• 部品を発注する場合は、必ず「分解図と部品表」または「電気部品表」を参照してください。
 • Δ 印の部品は、安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
 • 印は電源の供給源を示しています。

BOARD IF BLOCK

○ The check point for service.
(Legend silk indication on the PCB.)

A 1/4 MAIN ASSY (DWX4132)

10.2 MAIN ASSY (1/4) and HPJK ASSY



HP: Headphone Audio Signal (Lch)

印の部品は、指定部品(安全規格適合部品)を必ず使用すること。
The signal name including "R" is SSB signal name / A00 signal name.

NOTES

- is No Mount
- RS1168S**"J
- RS1168R**"J
- RS145A**"J
- CSK5VB**"K
- SRVB

***CAPACITORS**
Indicated in Capacity/Voltage(V)
Unless otherwise noted. u: μ ; F: pF

RESISTORS
Indicated in Ω , \pm 5% tolerance
Unless otherwise noted. K: K, Ω : Ω , M: M, Ω .

"R" 付き信号は、SSB信号名(A00) 信号名です。
The signal name including "R" is SSB signal name / A00 signal name.

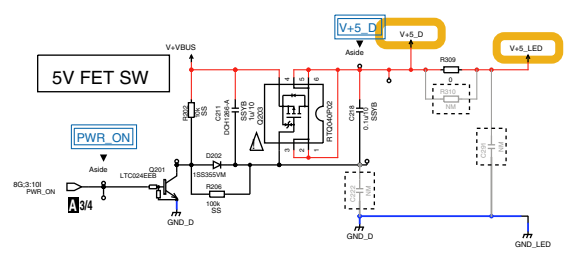
DDU-SB3

A 1/4 B

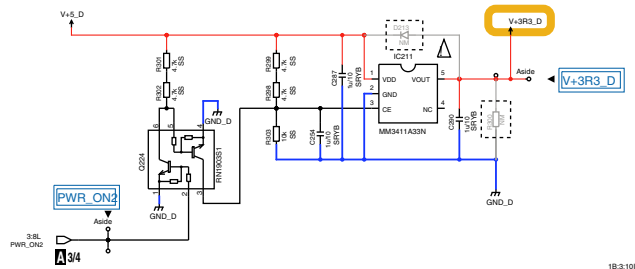
A 1/4 B

A/2/4 MAIN ASSY (DWX4132)

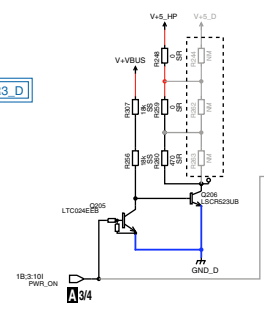
POWER BLOCK



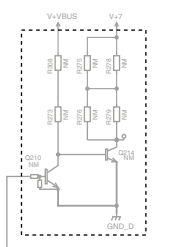
5V to 3.3V REGULATOR



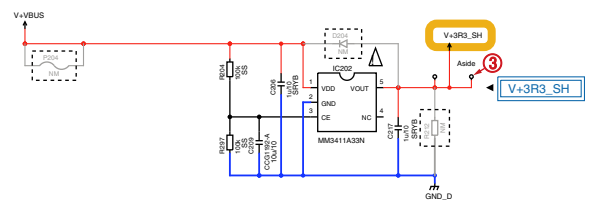
5V DISCHARGE



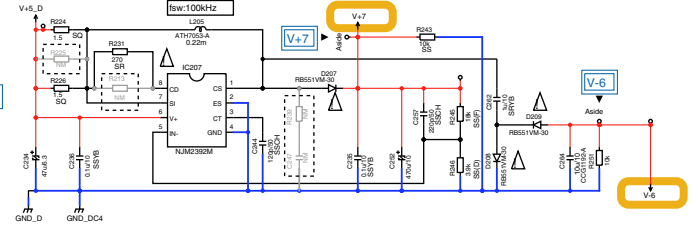
7V DISCHARGE



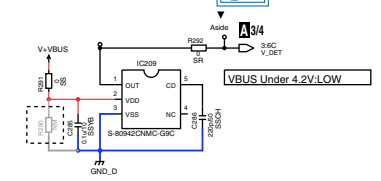
5V to 3.3V REGULATOR for UCOM



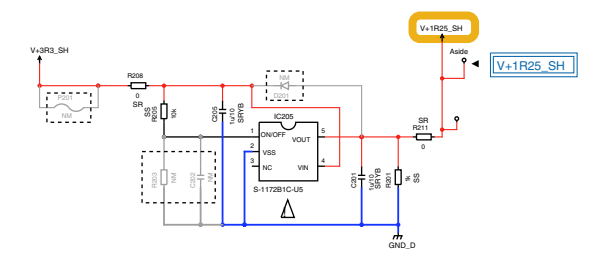
5V to 7V&-6V DC-DC CONVERTER for AUDIO POWER



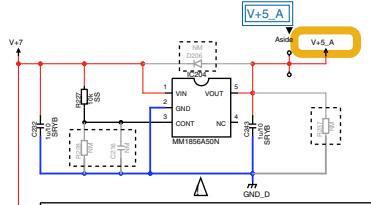
VOLTAGE DETECT (V+VBUS)



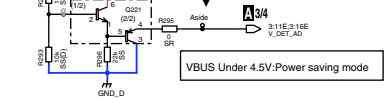
3.3V to 1.25V REGULATOR for UCOM



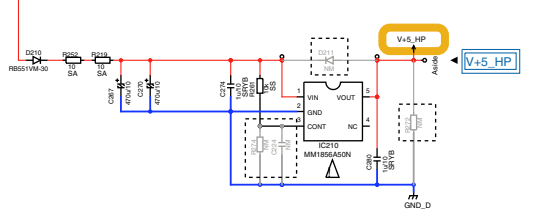
7V to 5V REGULATOR for DAC



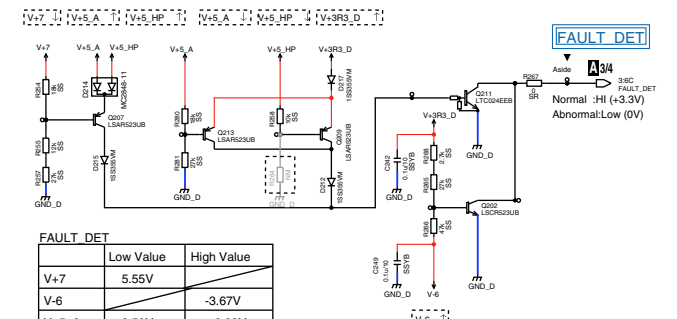
V_DET_AD



7V to 5V REGULATOR for HP POWER



VOLTAGE DETECTION CIRCUIT



FAULT_DET	Low Value	High Value
V+7	5.55V	
V-6		-3.67V
V+5_A	3.50V	6.00V
V+5_HP	2.10V	6.00V
V+3R3_D		4.20V

▲印の部品は、指定部局/安全規格適合部局を必ず使用すること。
The ▲ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

○印 The check point for service.
(Legend silk indication on the PCB.)

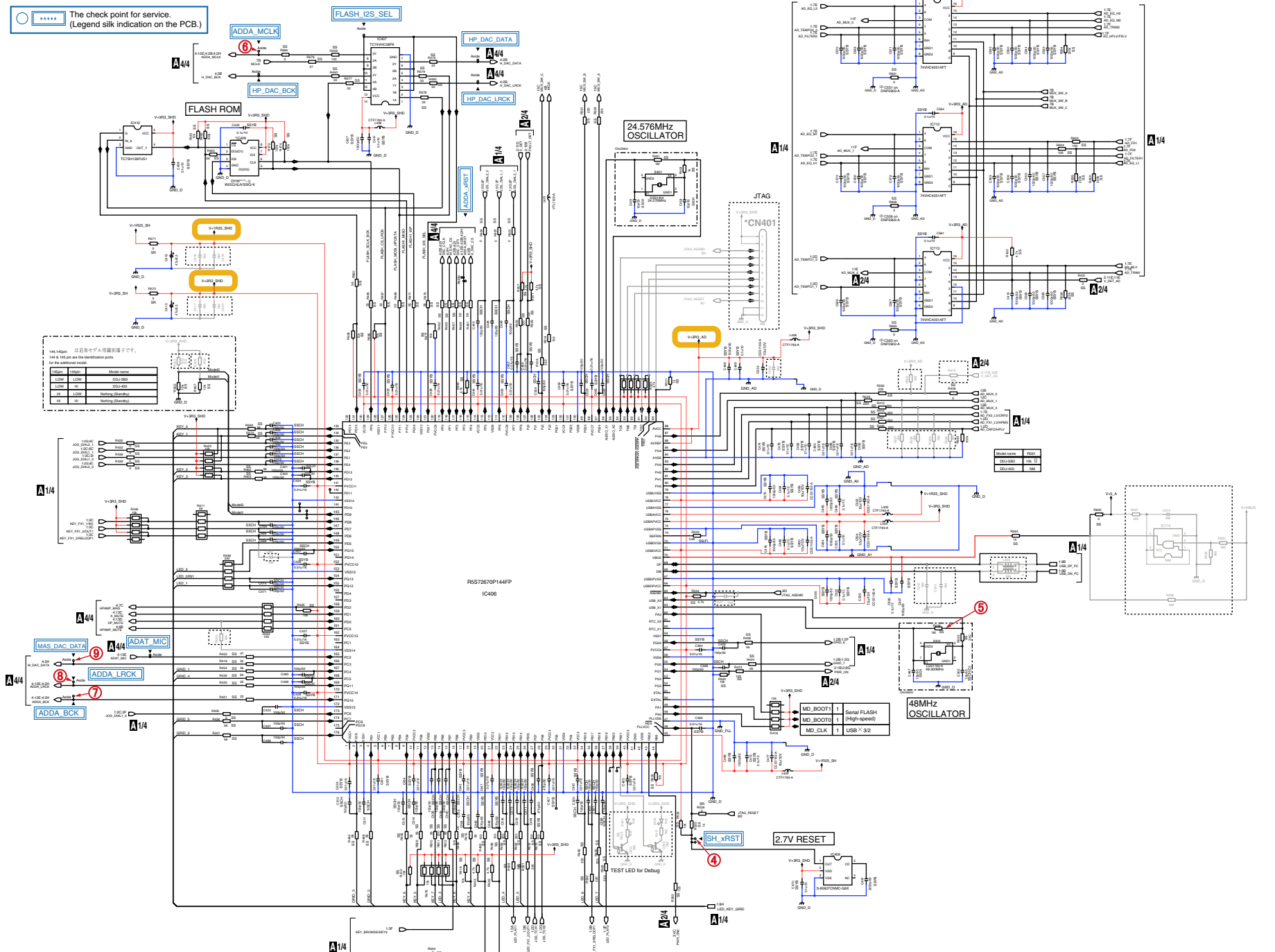
DDJ-SB3

UCOM BLOCK

○ The check point for service.
(Legend silk indication on the PCB.)

A/3/4 MAIN ASSY (DWX4132)

10.4 MAIN ASSY (3/4)

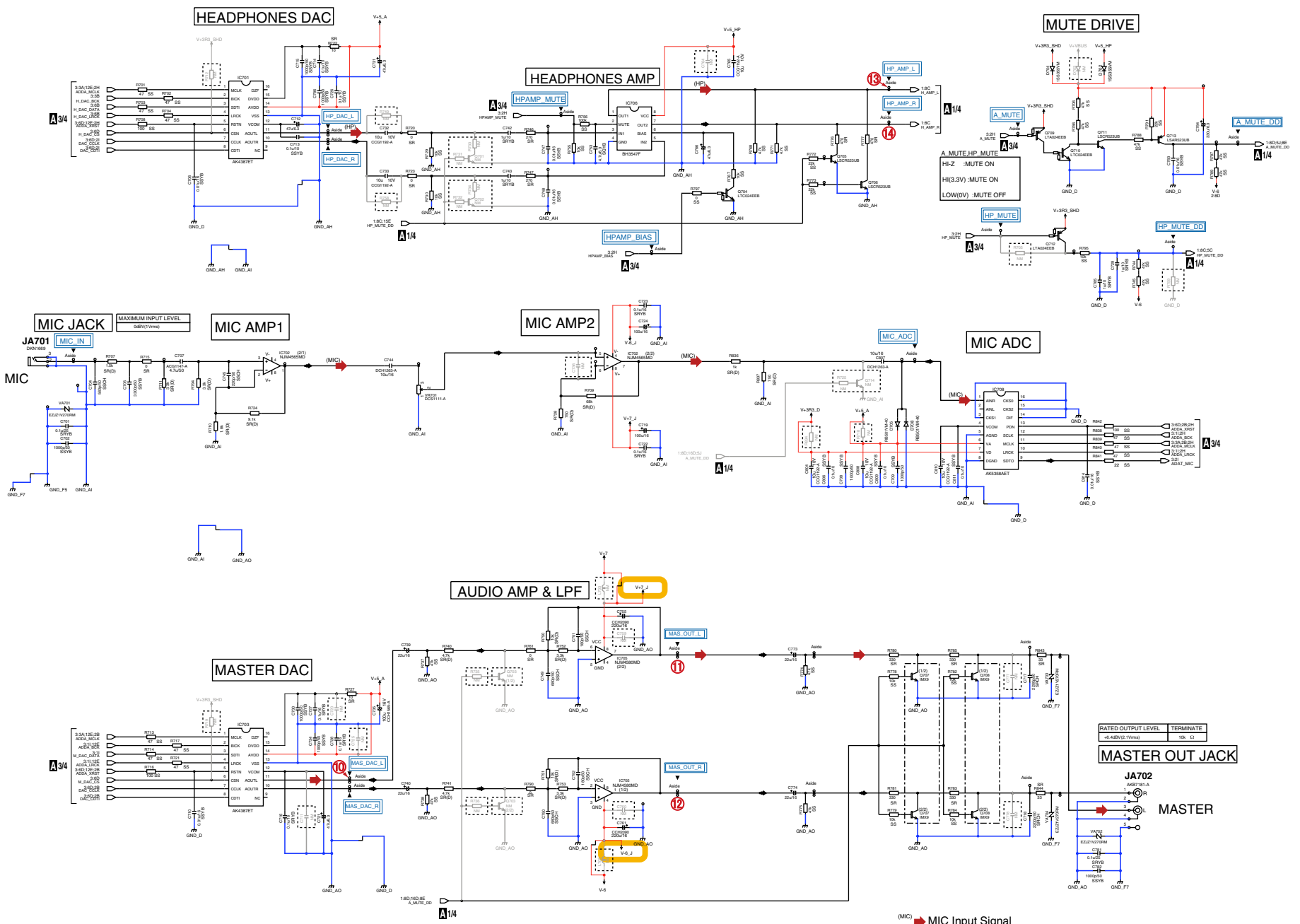


DDU-SB3

A/4 MAIN ASSY (DWX4132)

AUDIO IN/OUT BLOCK

The check point for service. (Legend silk indication on the PCB.)



(MIC) : MIC Input Signal
 (MAS) : Master Output Signal (Lch)
 (HP) : Headphone Audio Signal (Lch)

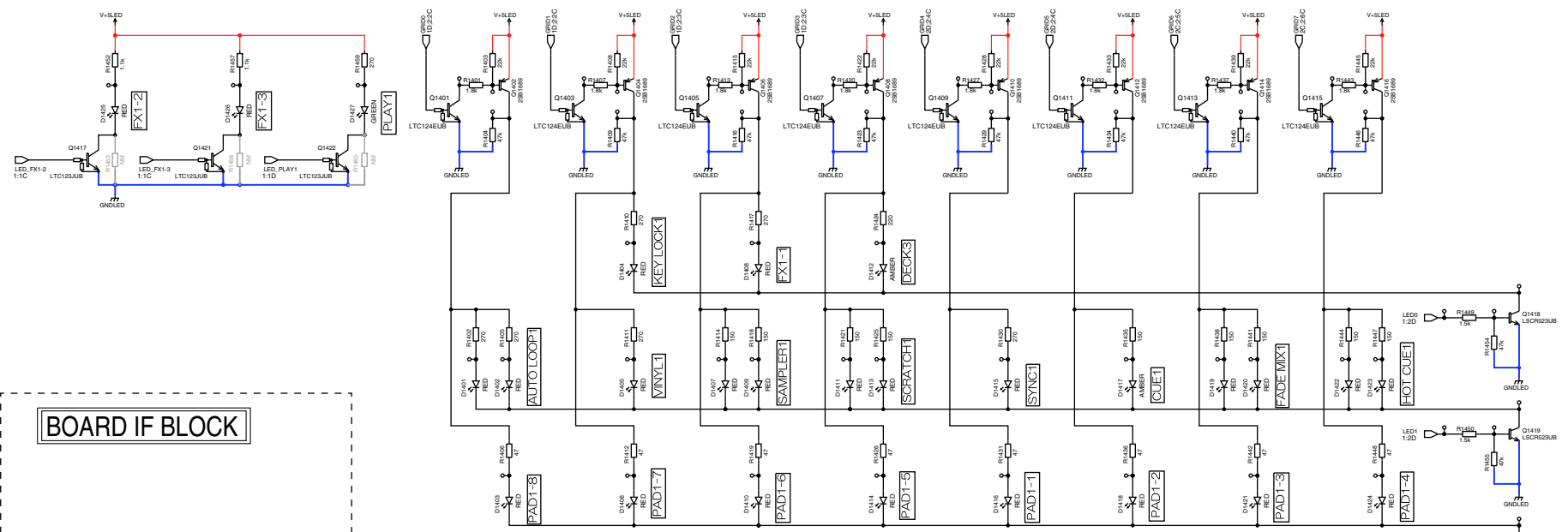
GATED OUTPUT LEVEL	TERMINATE
-4.6dB(0.1Vrms)	50k Ω

DDJ-SB3

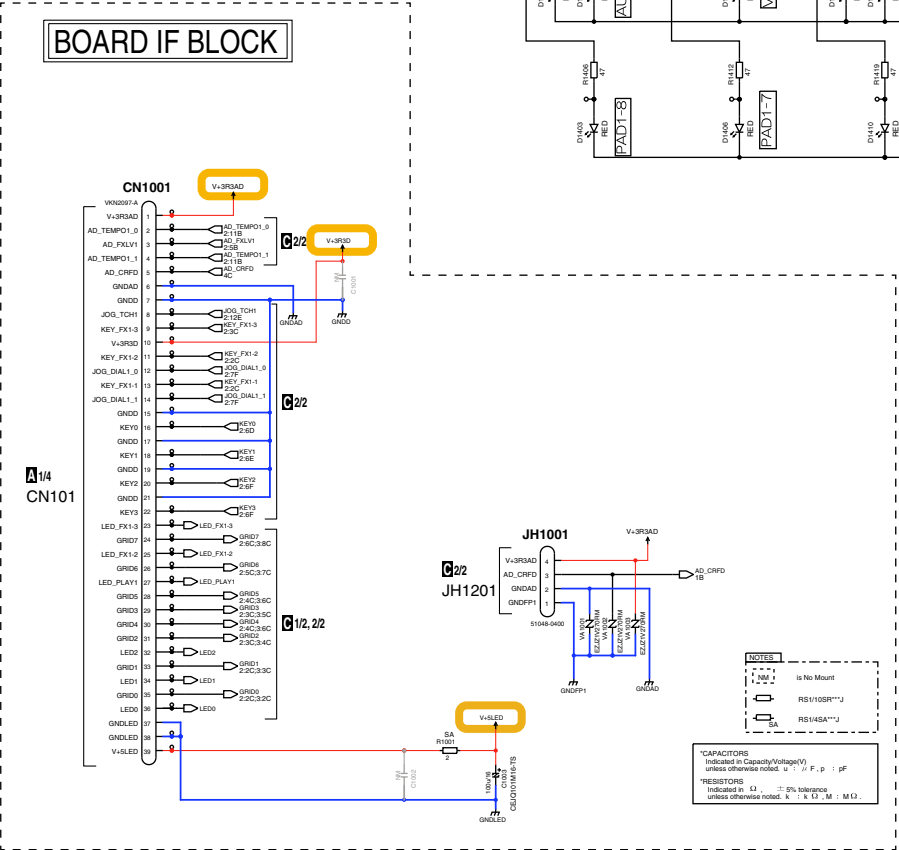
LED BLOCK

C1/2 DCK1 ASSY (DWX4133)

10.6 DCK1 ASSY (1/2)



BOARD IF BLOCK



RED : SLI-343U8R(HJK)-TS
 AMBER : SLI-343Y8Y(KLM)-TS
 GREEN : SLI-343M8G(GHJ)-TS

NOTES

*CAPACITORS
 Indicated in Capacity/Voltage(V)
 unless otherwise noted. u : μ F, p : pF

*RESISTORS
 Indicated in Ω, ±: 5% tolerance
 unless otherwise noted. k : k Ω, M : M Ω.

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DDU-SB3

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1/4
 CN101

8

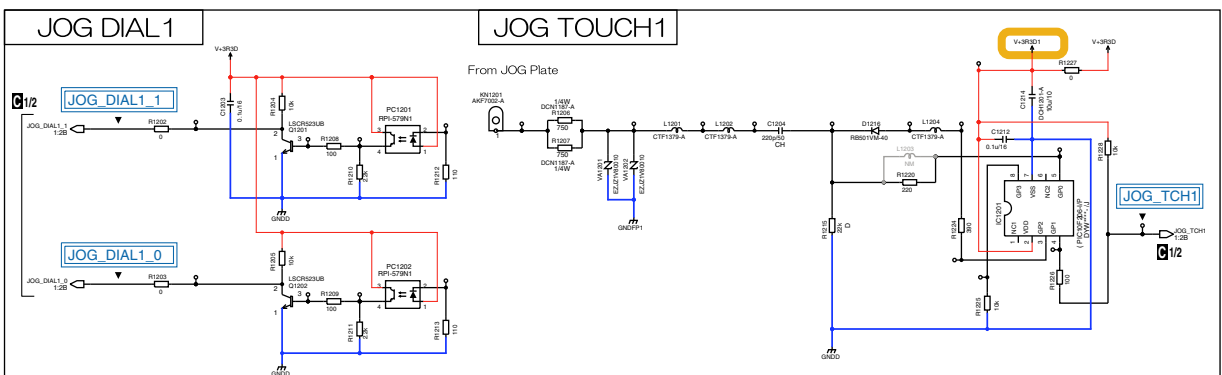
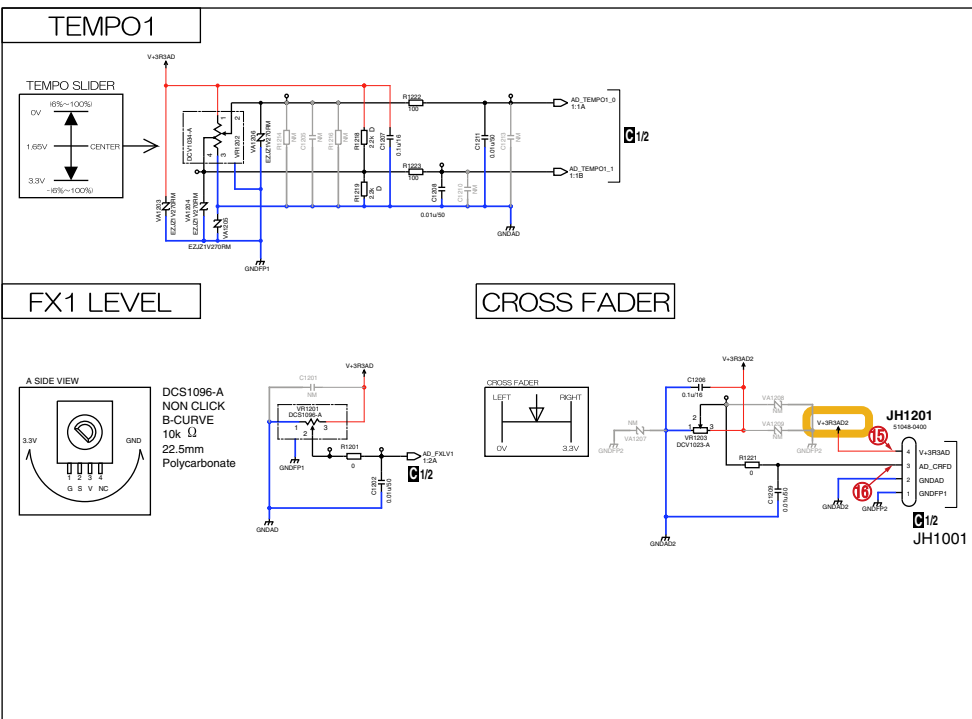
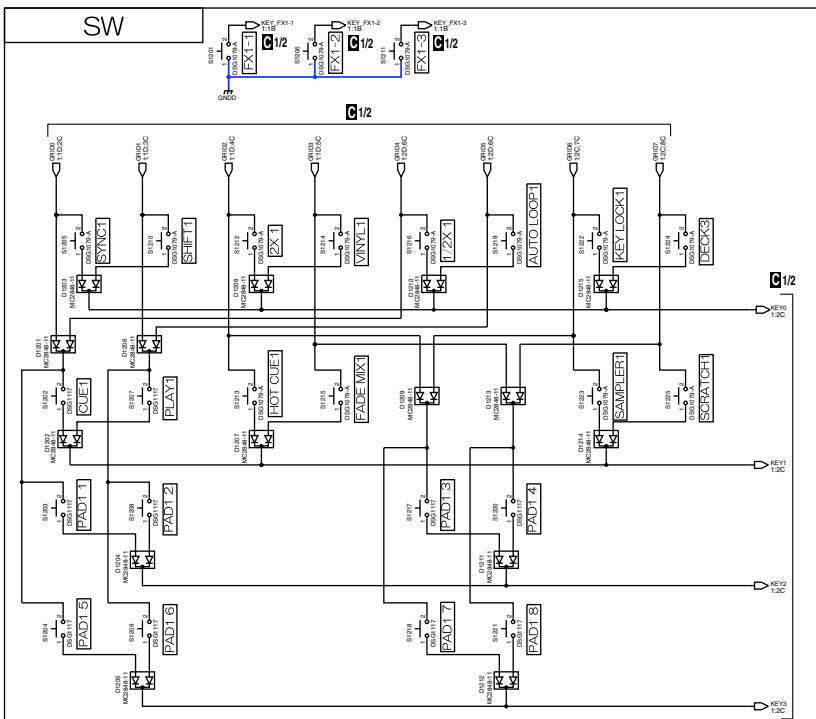
C1/2

C1/2

F E D C B A

SW VR JOG BLOCK

○ The check point for service.
(Legend silk indication on the PCB.)



NOTE

- No Mount
- RS1106R**J
- RS1106R**D
- CKSRV**K
- CCSRCH**J

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. μ : μF, p : pF

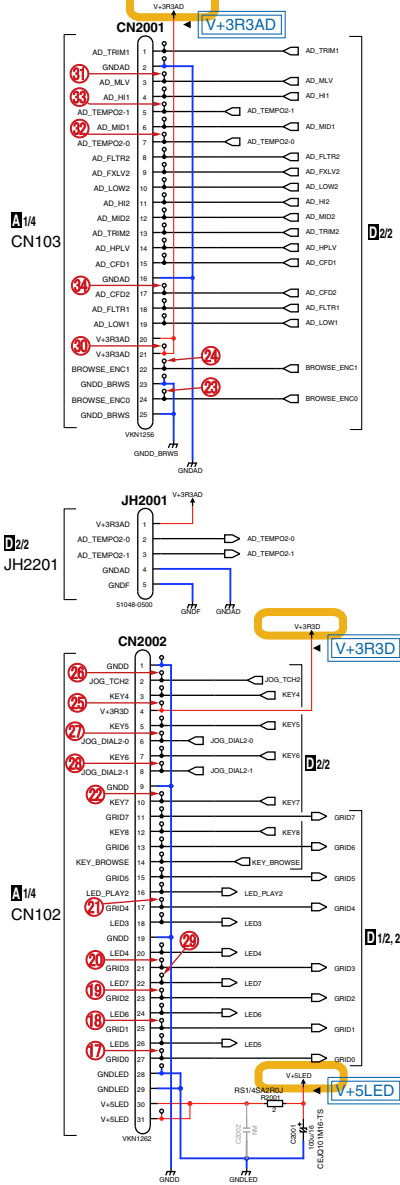
*RESISTORS
Indicated in Ω, Ω : 5% tolerance
unless otherwise noted. k : k Ω, M : M Ω

DDU-SB3

LED/JOG BLOCK

The check point for service.
(Legend silk indication on the PCB.)

BOARD IF BLOCK



*CAPACITORS
Indicated in Capacity(Voltage)(V)
Unless otherwise noted: u : μ F, p : pF

*RESISTORS
Indicated in Ω : \pm 5% tolerance
Unless otherwise noted: k : $\times 10^3$, M : $\times 10^6$

NOTES

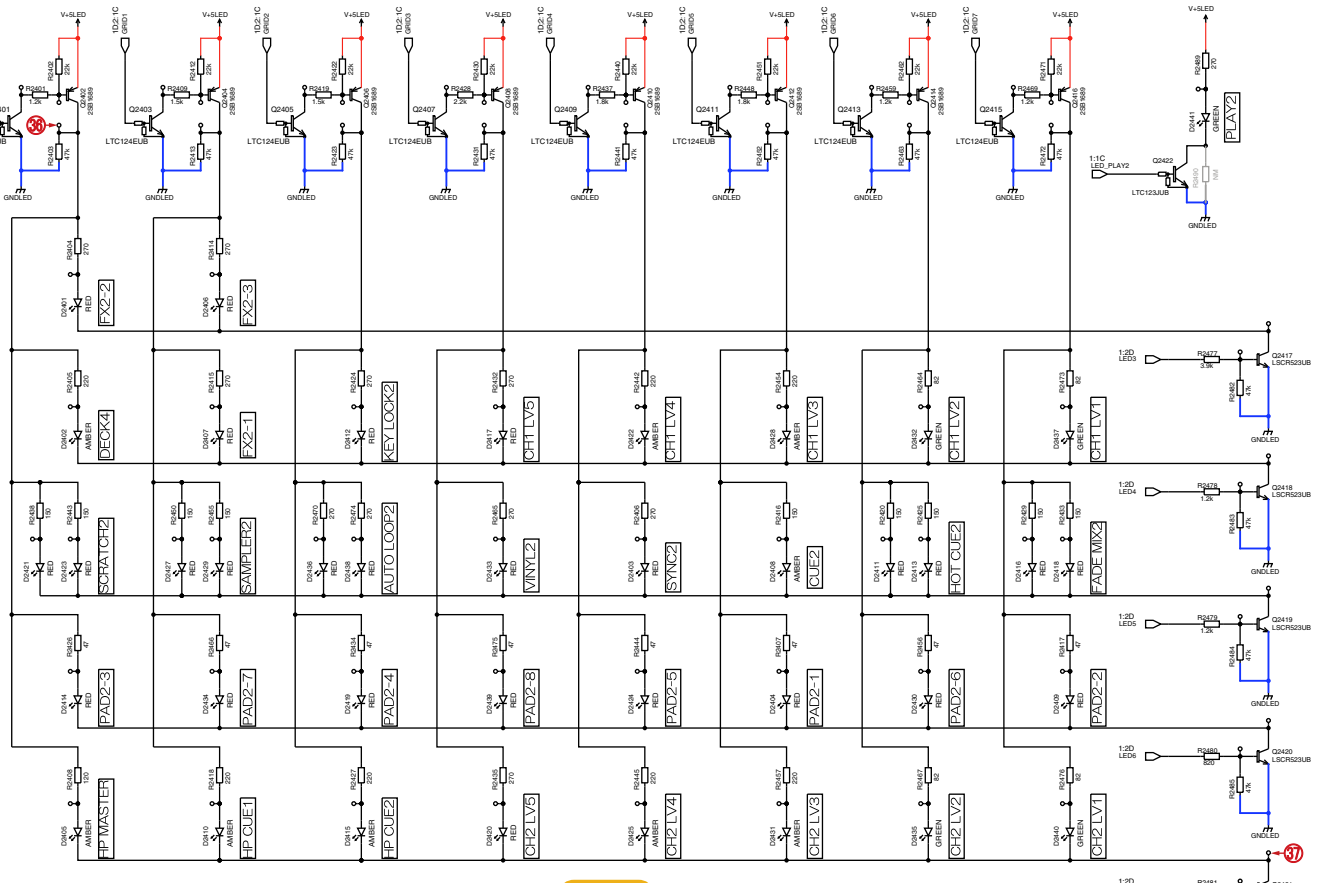
- NM is No Mount
- RS110SR1**J
- RS110SR1**D
- CKGRYB**K
- CCSRCH**J

*CAPACITORS
Indicated in Capacity(Voltage)(V)
Unless otherwise noted: u : μ F, p : pF

*RESISTORS
Indicated in Ω : \pm 5% tolerance
Unless otherwise noted: k : $\times 10^3$, M : $\times 10^6$

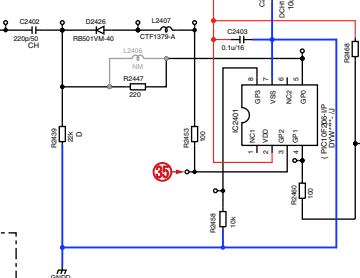
D1/2 PNL2 ASSY (DWX4134)

10.8 PNL2 ASSY (1/2)

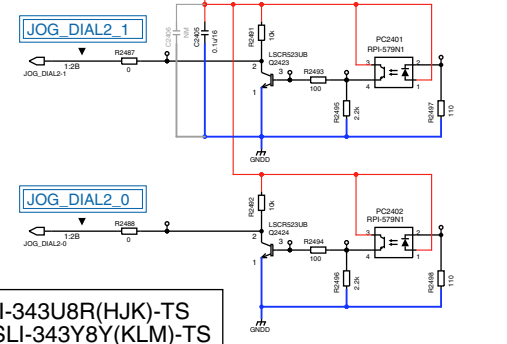


From JOG Plate

JOG TOUCH2



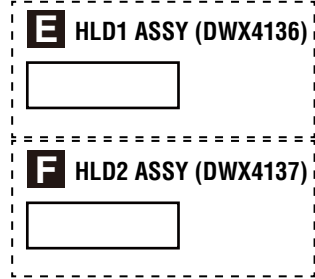
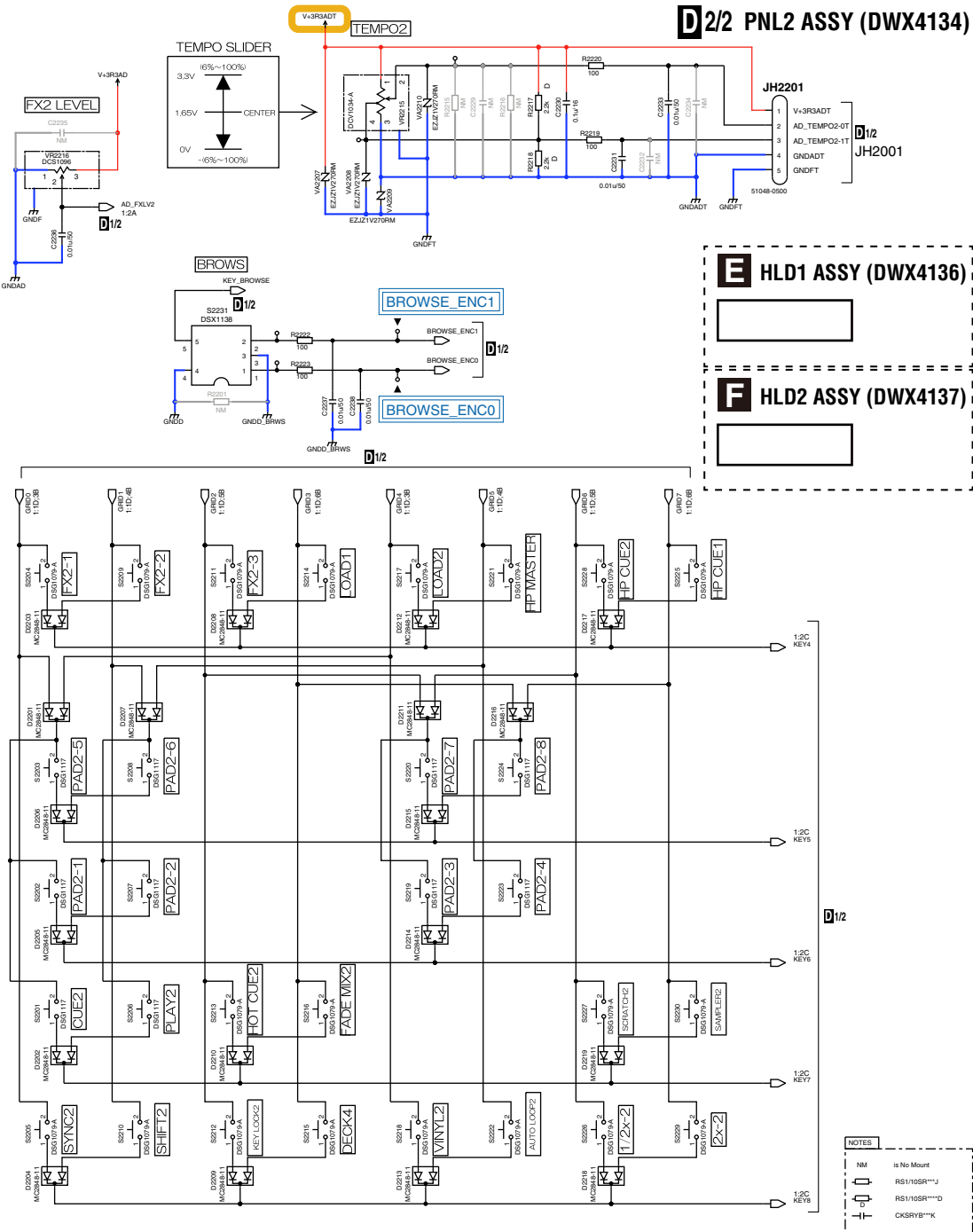
JOG DIAL2



RED : SLI-343U8R(HJK)-TS
AMBER : SLI-343Y8Y(KLM)-TS
GREEN : SLI-343M8G(GHJ)-TS

D1/2

D/2/2 PNL2 ASSY (DWX4134)



*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μ , F : pF

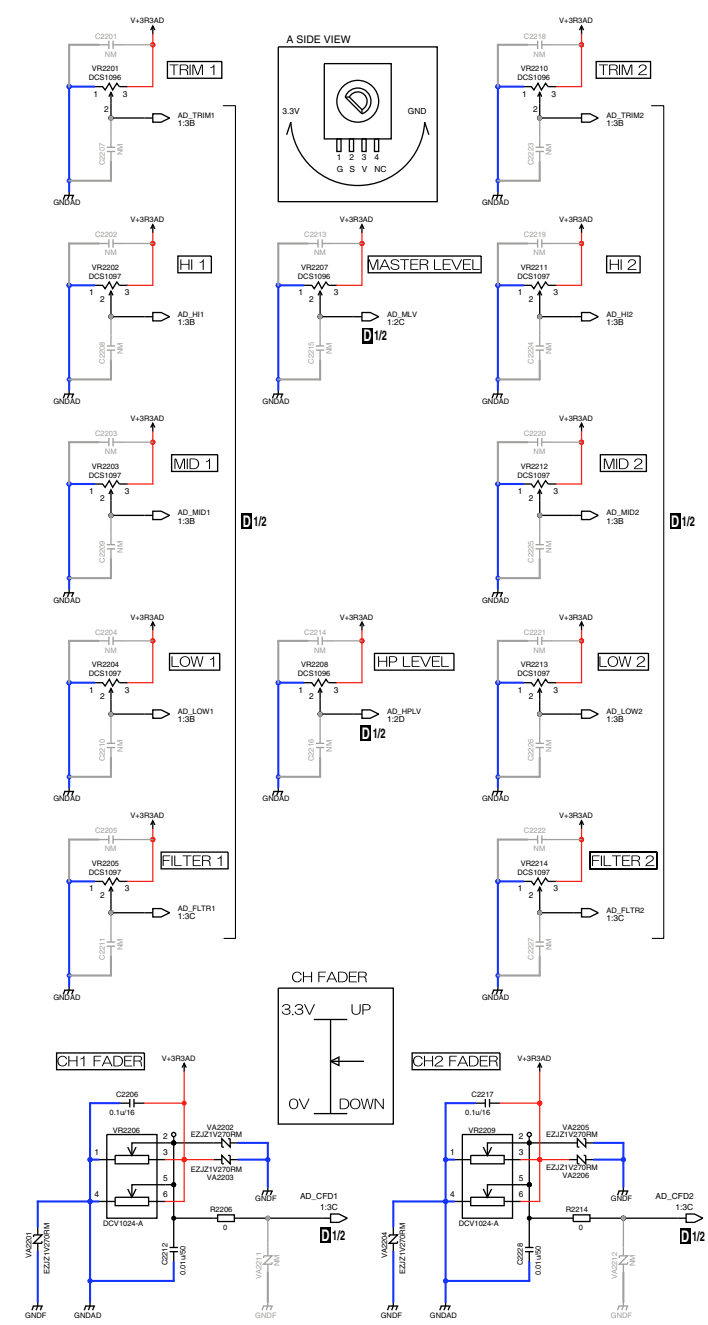
*RESISTORS
Indicated in Ω : 5% tolerance
unless otherwise noted. K : $\times 10^3$, M : $\times 10^6$

NOTES

NM	is No Mount
RS110SR***J	
RS110SR***D	
CKSRV***K	

SW/VR BLOCK

The check point for service.
(Legend silk indication on the PCB.)



10.10 VOLTAGES / WAVEFORMS

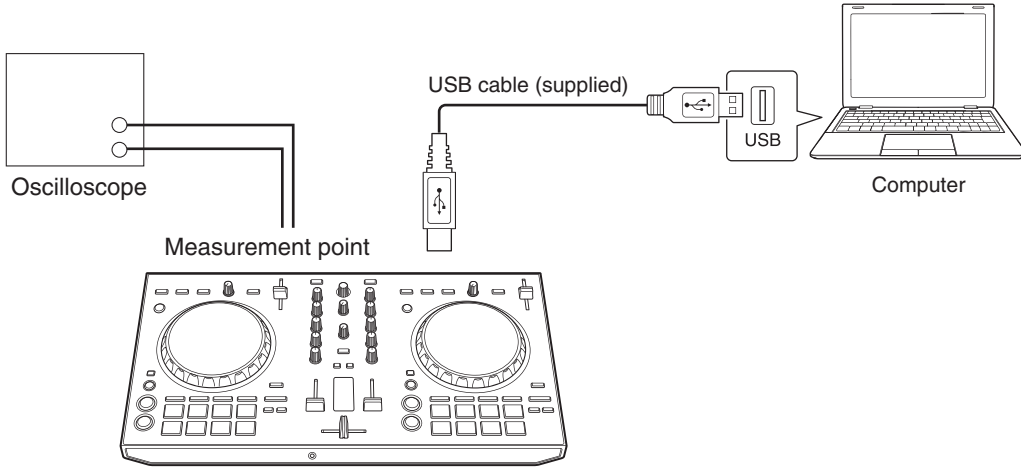
■ Voltage of each part and error circuit expected

■ 各部の電圧と不良箇所

電源名称 Power Supply Name	正常電圧レベル [V] Normal Voltage Level			電圧異常時に予測される不良箇所 Error circuit expected by abnormality voltage
	MIN	TYP	MAX	
V+VBUS	4.75	5	5.25	USB Connection, P101
V+3R3_SH	3.267	3.3	3.63	SH UCOM(IC406), IC202
V+1R25_SH	1.235	1.25	1.265	SH UCOM(IC406), IC205
V+3R3_D	3.267	3.3	3.63	SH UCOM(IC406), ADC(IC708), IC221
V+3R3_AD	3.267	3.3	3.63	VOLUME/FADER CIRCUIT, L408
V+5_D	4.75	5	5.25	LED CIRCUIT, Q203
V+5_LED	4.75	5	5.25	LED CIRCUIT, Q203
V+7	6.87	7	7.16	ANALOG AUDIO CIRCUIT, IC207
V-6	-7	-6.6	-6	ANALOG AUDIO CIRCUIT, IC207
V+5_A	4.9	5	6	SH UCOM(IC406), ADC(IC708), DAC(IC701, IC703), IC204
V+5_HP	4.9	5	6	ANALOG AUDIO CIRCUIT, HEADPHONE AMP(IC706), IC210

Waveform of each part
各部分の波形

A



B

Note:

The indicated voltage values of the oscilloscope in this section are reference values and may vary, depending on the settings of the oscilloscopes and probes.
The numerics circled with a frame denote numbers for the measurement points indicated in the Schematic diagrams and PCB diagrams.

C

注意：
オシロスコープの表示電圧値は参考値であり、オシロスコープの設定やプローブによって変化します。
○で囲まれた数字は回路図及びPCB図の各測定ポイントの番号を示します。

D

E

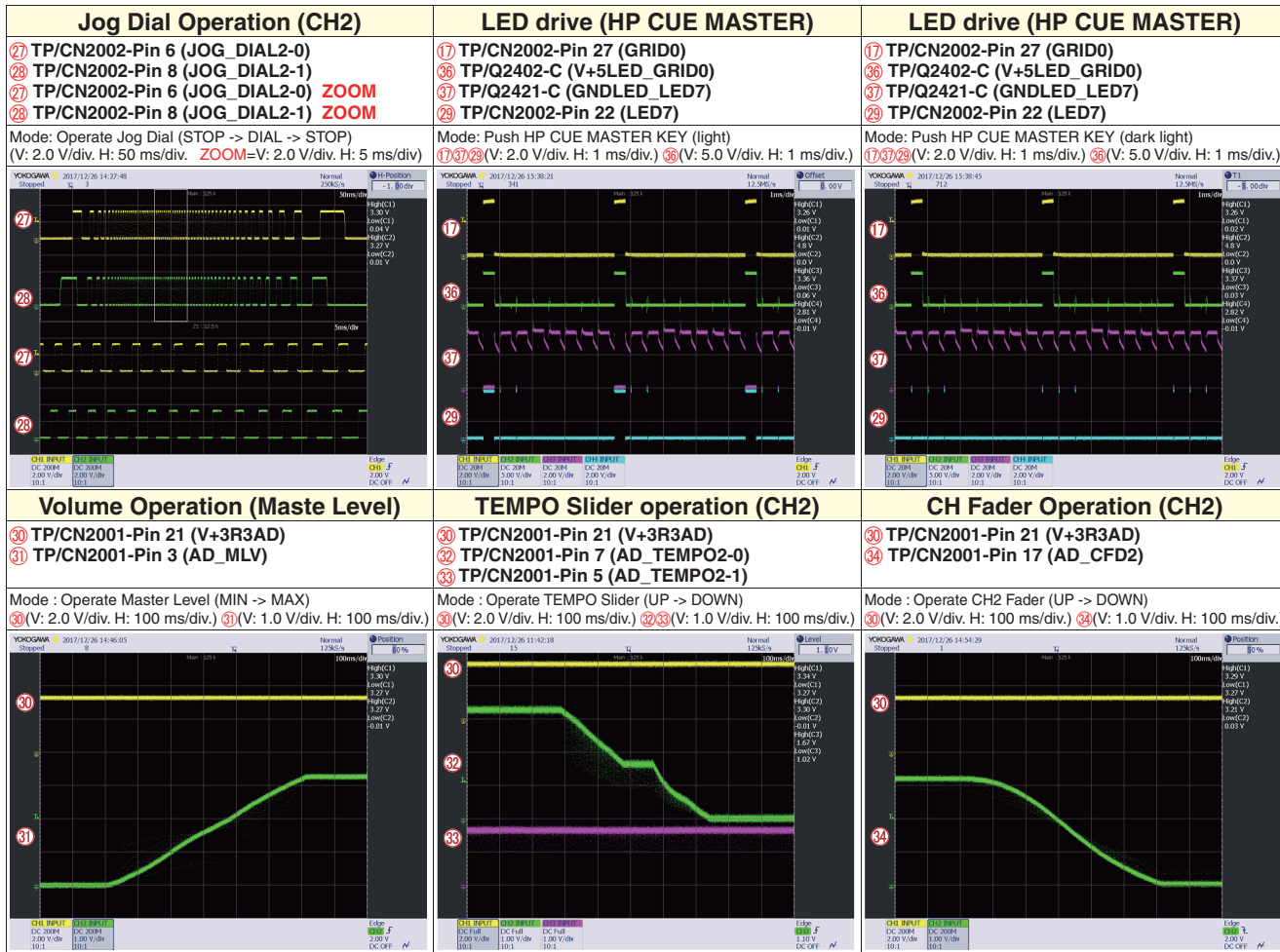
F

A MAIN ASSY		
USB DP/DN (1)	MAIN UCOM Start up	DAC I2S (1)
① D124-C (USB_DP) ② D123-C (USB_DN) ① D124-C (USB_DP) ZOOM ② D123-C (USB_DN) ZOOM	③ TP/IC202-Pin 5 (V+3R3_SH) ④ TP/IC409-Pin 1 (SH_xRST) ⑤ R548-R555 (USB_X2)	⑥ TP/IC407-Pin 8 (ADDA_MCLK) ⑦ TP/IC406-Pin 171 (ADDA_BCK) ⑧ TP/IC406-Pin 169 (ADDA_LRCK) ⑨ TP/IC406-Pin 166 (MAS_DAC_DATA)
Mode: V: 2.0 V/div. H: 5 ms/div ZOOM=V: 2.0 V/div. H: 200 us/div	Mode: Power ON (V: 2.0 V/div. H: 5 ms/div)	Mode: 1 kHz Playback, MASTER output (V: 2.0 V/div. H: 5 us/div)
DAC I2S (2)	MASTER OUT	HEADPHONE OUT
⑩ TP/IC703-Pin 11 (MAS_DAC_L) ⑦ TP/IC406-Pin 171 (ADDA_BCK) ⑨ TP/IC406-Pin 166 (MAS_DAC_DATA)	⑪ TP/IC705-Pin 7 (MAS_OUT_L) ⑫ TP/IC705-Pin 1 (MAS_OUT_R)	⑬ TP/IC706-Pin 1 (HP_AMP_L) ⑭ TP/IC706-Pin 7 (HP_AMP_R)
Mode: 1 kHz Playback, MASTER output (V: 2.0 V/div. H: 500 us/div.)	Mode: 1 kHz Playback, MASTER output (V: 2.0 V/div. H: 500 us/div.)	Mode: 1 kHz Playback, HEADPHONE output (V: 1.0 V/div. H: 500 us/div.)

C DCK1 ASSY CROSS Fader Operation		
15 JH1001-Pin 4 (V+3R3AD) 16 JH1001-Pin 3 (AD_CRFD) Mode: Operate CROSS Fader (RIGHT -> LEFT -> RIGHT) 15 (V: 2.0 V/div H: 100 ms/div) 16 (1.0 V/div H: 100 ms/div)		

D PNL2 ASSY GRID Control			KEY Operation (CH2 Play)			Rotary Selector Operation (BROWSE)		
17 TP/CN2002-Pin 27 (GRID0) 18 TP/CN2002-Pin 25 (GRID1) 19 TP/CN2002-Pin 23 (GRID2) 20 TP/CN2002-Pin 21 (GRID3) (V: 2.0 V/div. H: 1 ms/div.)			17 TP/CN2002-Pin 27 (GRID0) 21 TP/CN2002-Pin 17 (GRID4) 22 TP/CN2002-Pin 10 (KEY7) Mode: Push PLAY Key (V: 2.0 V/div. H: 1 ms/div.)			23 TP/CN2001-Pin 24 (BROWSE_ENC0) 24 TP/CN2001-Pin 22 (BROWSE_ENC1) Mode: rotate BROWSE ENCODER (V: 2.0 V/div. H: 50 ms/div.)		

Jog Touch Operation (CH2) 25 TP/CN2002-Pin 4 (V+3R3D) 26 TP/CN2002-Pin 2 (JOG_TCH2) Mode: Operate Jog Touch (RELEASE -> TOUCH -> RELEASE) 25 (V: 2.0 V/div. H: 100 ms/div.) 26 (V: 2.0 V/div. H: 100 ms/div.)			Jog Touch Operation (CH2) 26 TP/CN2002-Pin 2 (JOG_TCH2) 35 TP/IC2401-Pin 3 (Freq.) Freq.: 1.0-1.2MHz Mode: Operate Jog Touch (RELEASE) 26 (V: 2.0 V/div. H: 500 ns/div.) 35 (V: 2.0 V/div. H: 500 ns/div.)			Jog Touch Operation (CH2) 26 TP/CN2002-Pin 2 (JOG_TCH2) 35 TP/IC2401-Pin 3 (Freq.) Freq.: 0.3 -0.8MHz Mode: Operate Jog Touch (Touch) 26 (V: 2.0 V/div. H: 500 ns/div.) 35 (V: 2.0 V/div. H: 500 ns/div.)		



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11. PCB CONNECTION DIAGRAM

SIDE A

SIDE A

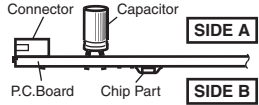
NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.
For further information for respective destinations, be sure to check with the schematic diagram.

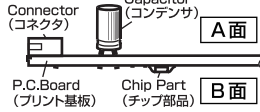
PCB図に対する注意

1. このPCB図にマウントしている部品は複数の仕向地の部品を含んでいます。
各仕向地の情報は、回路図で確認するようにしてください。

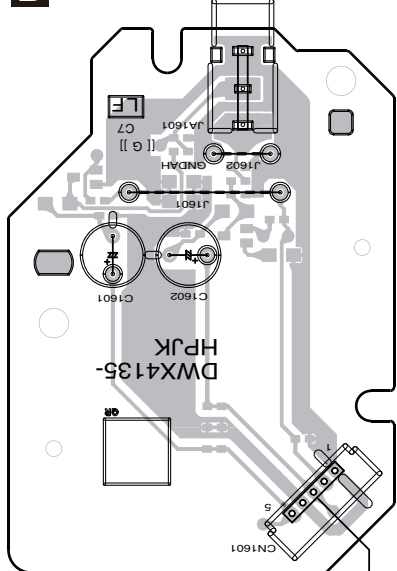
2. Viewpoint of PCB diagrams



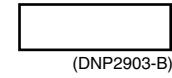
2. PCB図の見かた



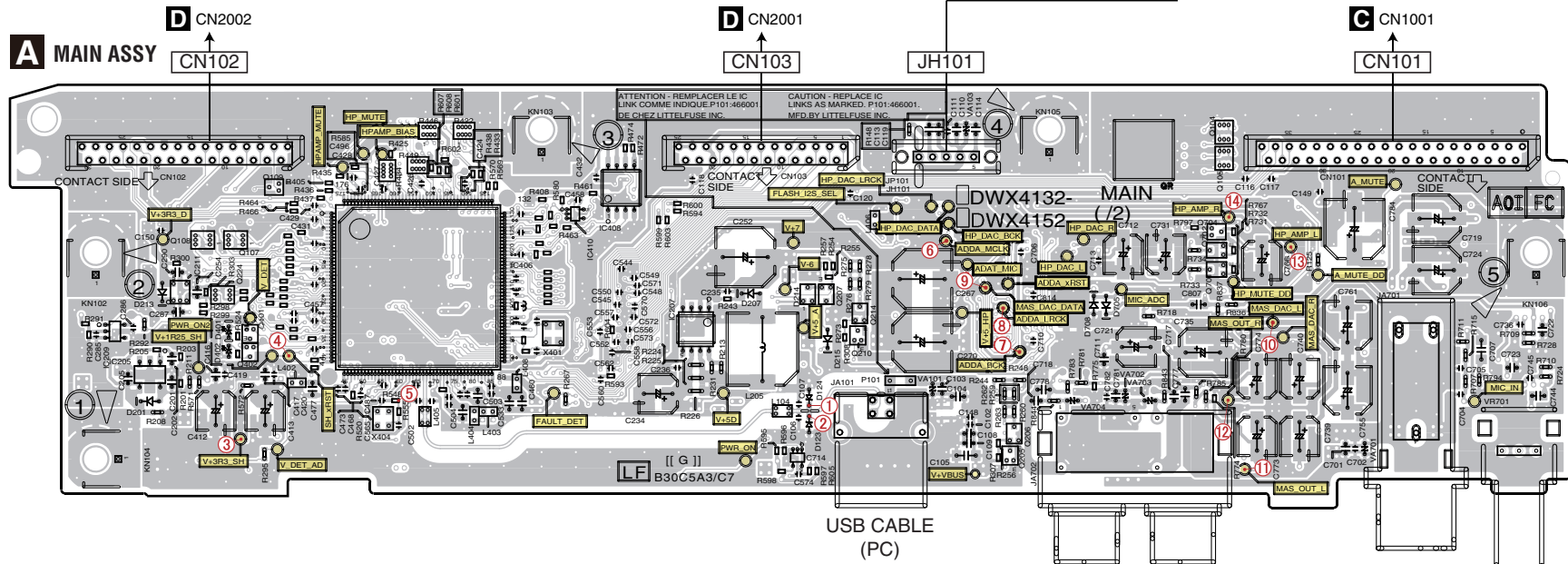
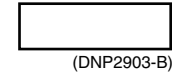
B HPJK ASSY



E HLD1 ASSY (DWX4136)



F HLD2 ASSY (DWX4137)



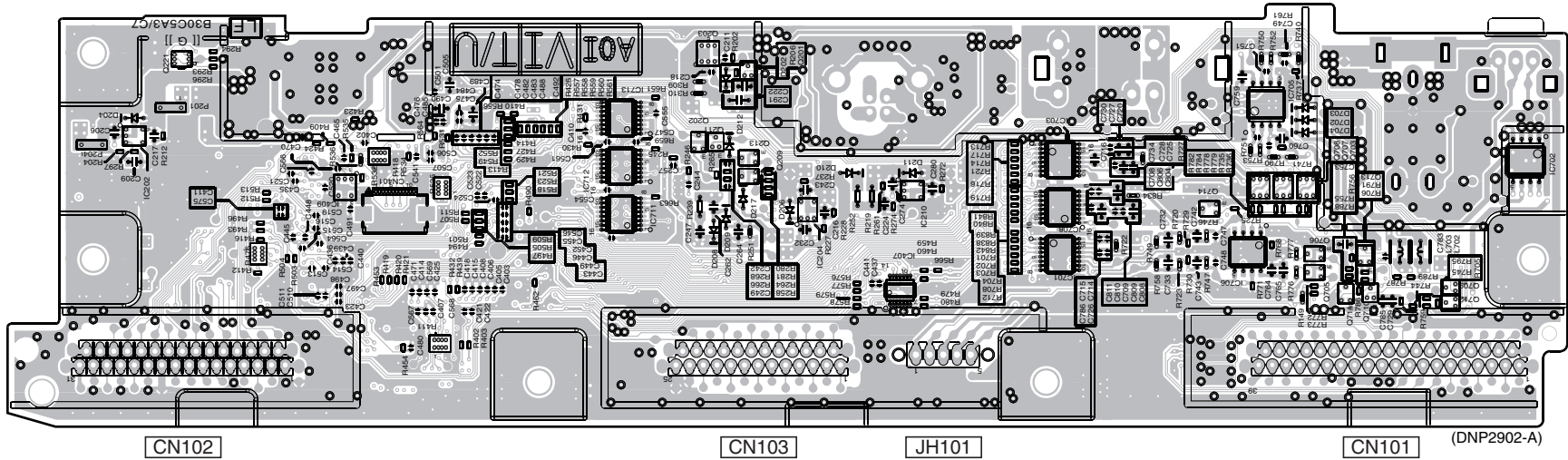
(DNP2902-A)

A B E F

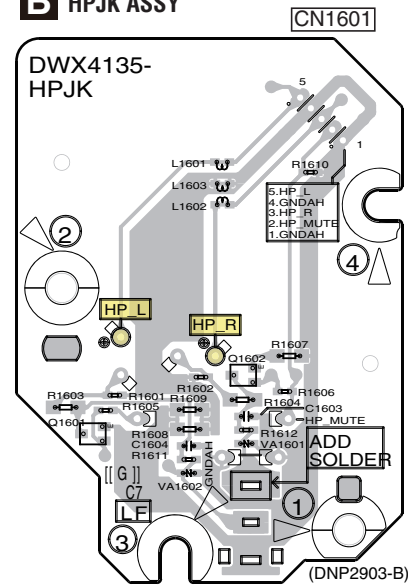
A B E F

11. PCB CONNECTION DIAGRAM
11.1 MAIN ASSY, HPJK ASSY, HLD1 ASSY and HLD2 ASSY

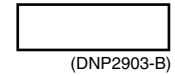
A MAIN ASSY



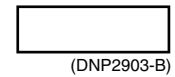
B HPJK ASSY



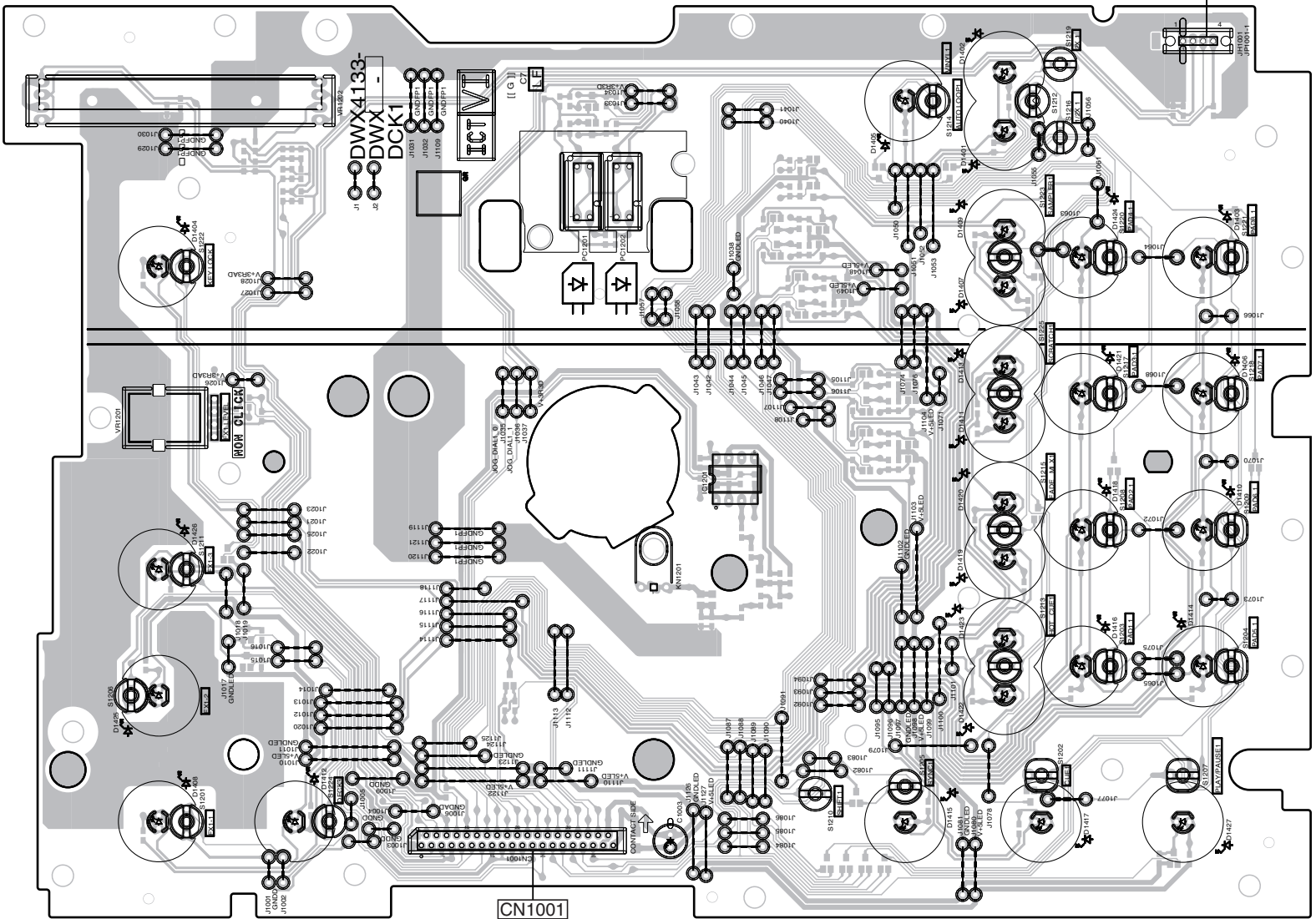
E HLD1 ASSY (DWX4136)



F HLD2 ASSY (DWX4137)



SIDE A



(DNP2903-B)

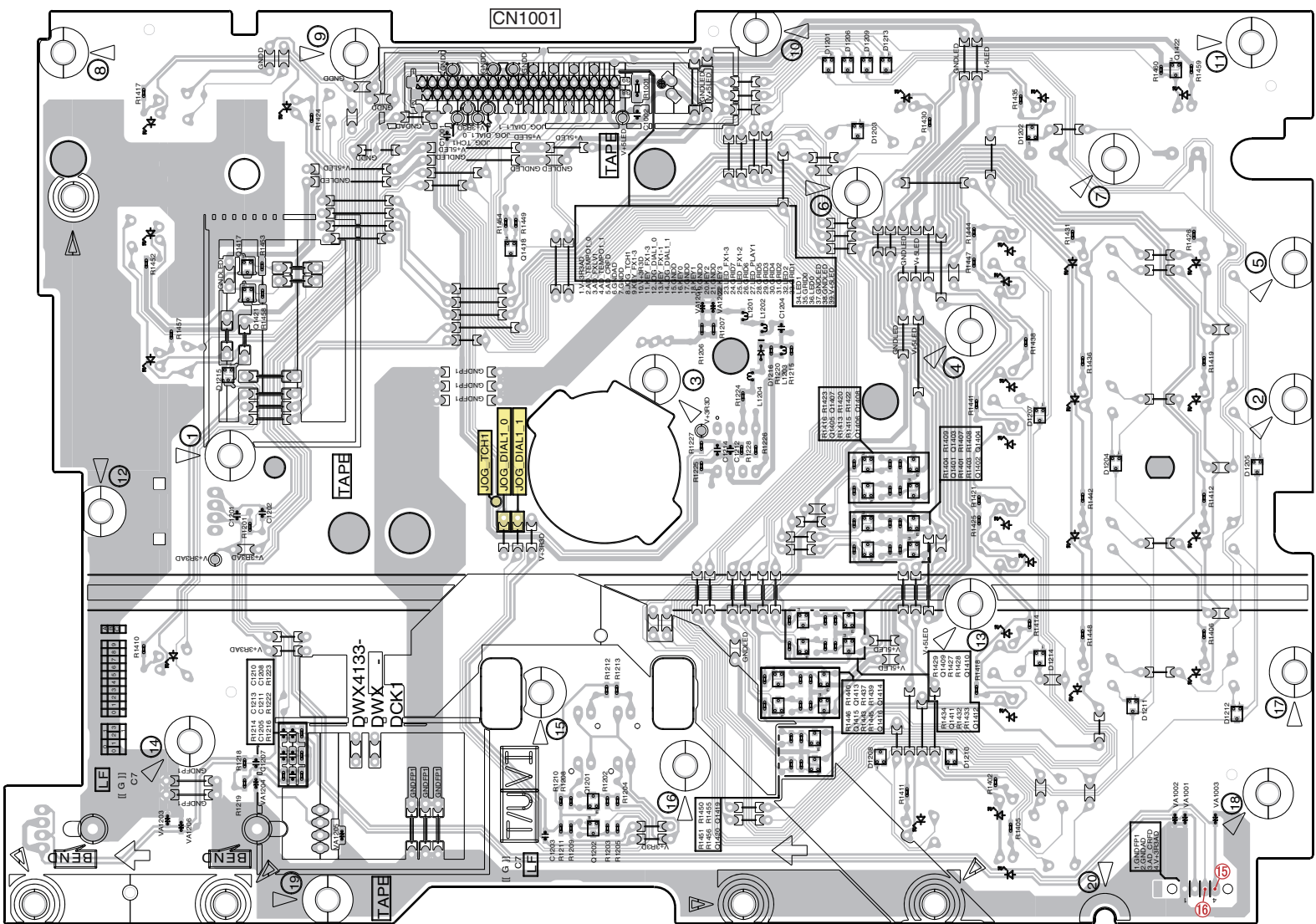
CN1001
 A CN101

C DCK1 ASSY

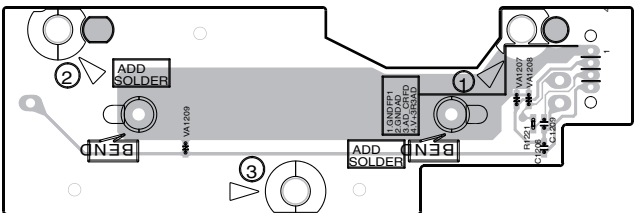
SIDE A

DDU-SB3

C DCK1 ASSY



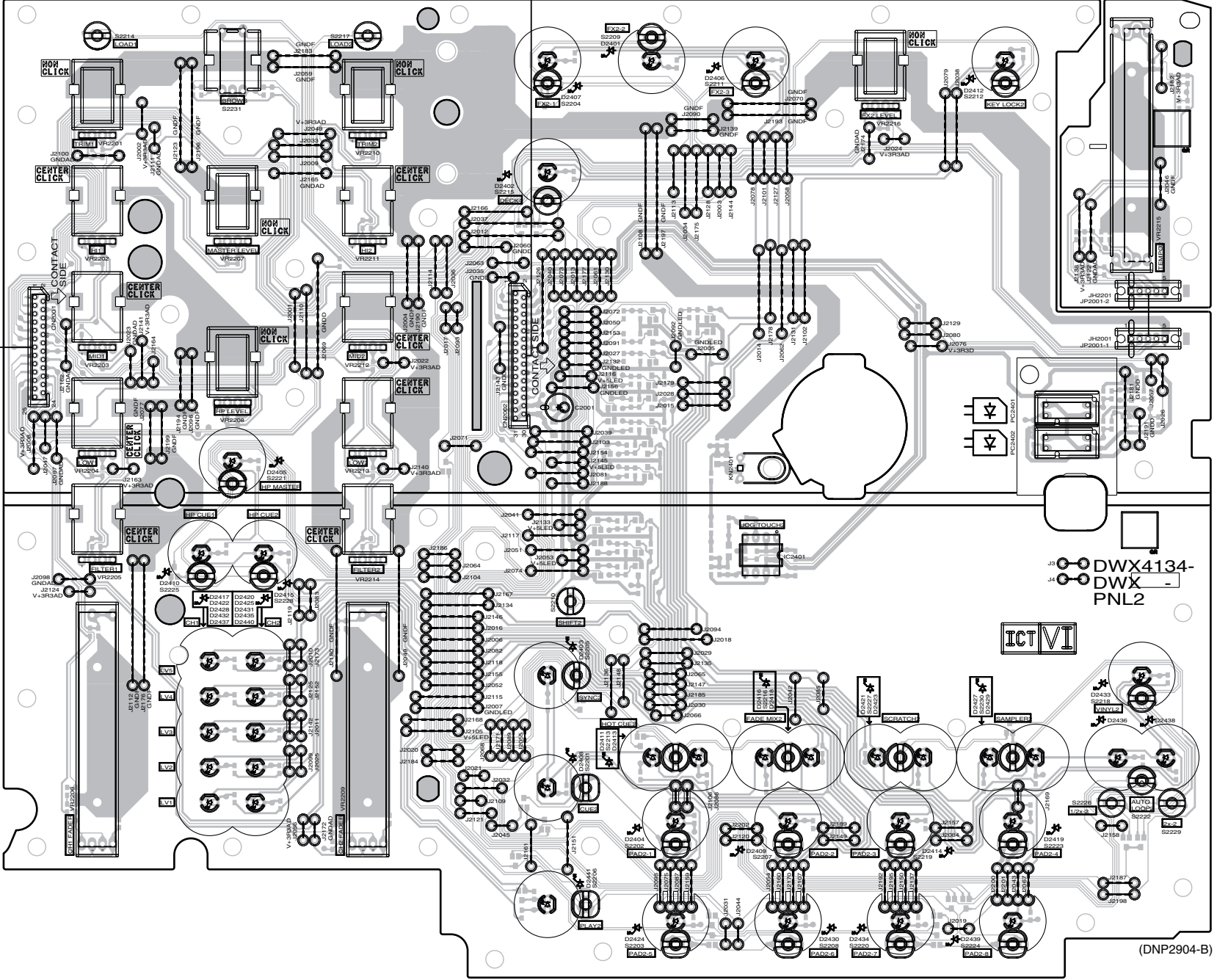
(DNP2903-B)



D PNL2 ASSY

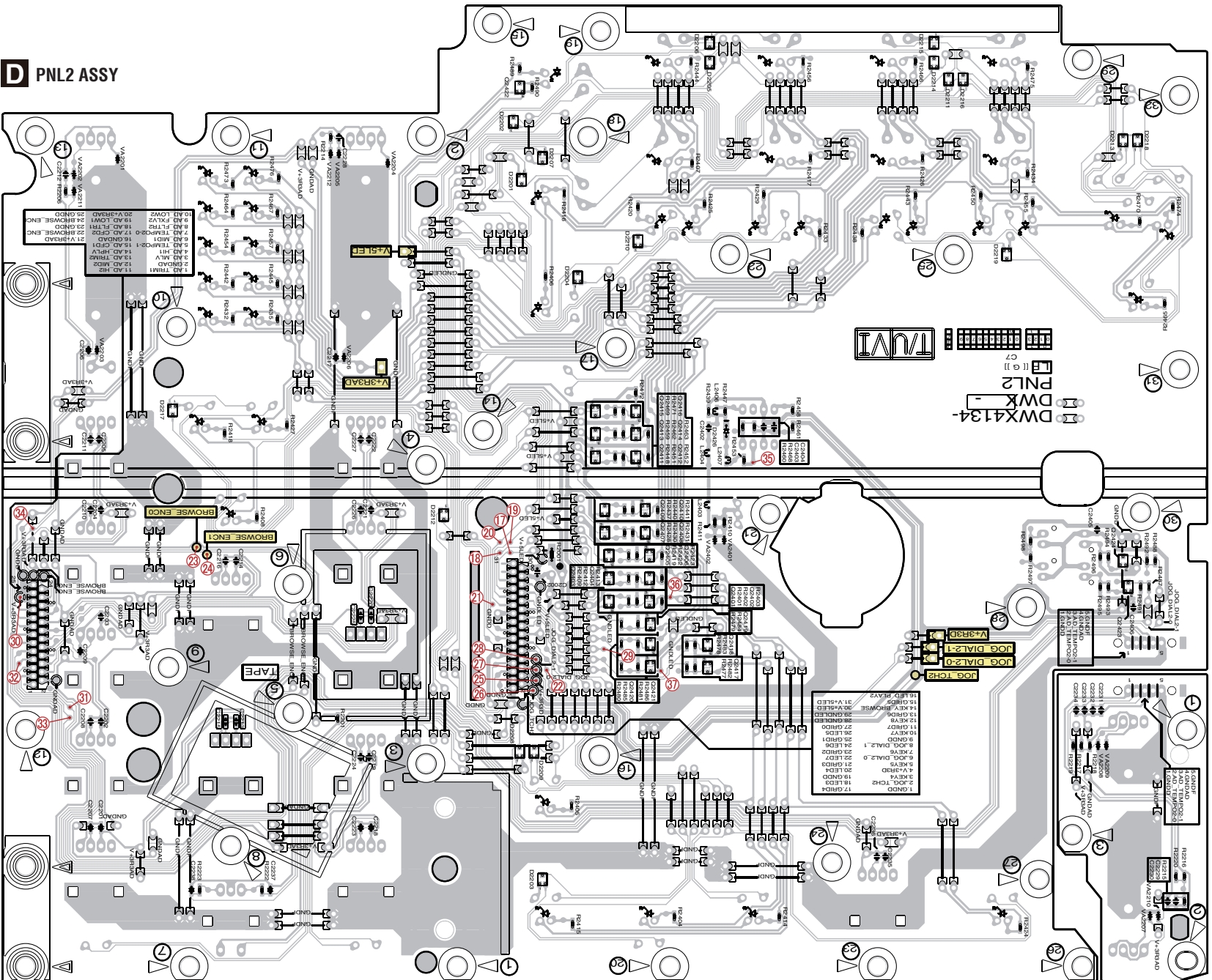
A CN102
CN2002

A CN103
CN2001



(DNP2904-B)

D PNL2 ASSY



(DNP2904-B)

CN2002

1002CN

DDU-SB3

12. PCB PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω → 56 × 10¹ → 561 RD1/4PU 5 6 1 J
 47 k Ω → 47 × 10³ → 473 RD1/4PU 4 7 3 J
 0.5 Ω → R50 RN2H R 5 0 K
 1 Ω → 1R0 RS1P 1 R 0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 k Ω → 562 × 10¹ → 5621 RN1/4PC 5 6 2 1 F

Mark No. Description Part No.

LIST OF ASSEMBLIES

	1..MAIN ASSY	DWX4132
NSP	1..PNL1 ASSY	DWM2679
	2..DCK1 ASSY	DWX4133
	2..HPJK ASSY	DWX4135
	2..HLD1 ASSY	DWX4136
	2..HLD2 ASSY	DWX4137
	1..PNL2 ASSY	DWX4134

Mark No. Description Part No.

A

Unit Number: DWX4132

Unit Name: MAIN ASSY

SEMICONDUCTORS

\triangle	IC	202,211 Regulator IC	MM3411A33N
\triangle	IC	204,210 Regulator IC	MM1856A50N
\triangle	IC	205 Regulator IC	S-1172B1C-U5
\triangle	IC	207 DC-DC Converter IC	NJM2392M
	IC	209 IC	S-80942CNMC-G9C
	IC	406 Flash Blank UC IC	R5S72670P144FP
	IC	407 IC	TC74VHC08FK
	IC	408 Flash ROM	DYW2101*
		*Part number of the initial firmware equipped	
	IC	409 IC	S-80927CNMC-G8X
	IC	410 Buffer Logic IC	TC7SH126FUS1
	IC	701,703 Audio DAC	AK4387ET
	IC	702 Dual OP-AMP	NJM4565MD
	IC	705 IC	NJM4580MD
	IC	706 Headphone AMP IC	BH3547F
	IC	708 AD Converter IC	AK5358AET
	IC	711,712,713 Logic IC	74VHC4051AFT
	Q	104,105 Resistor Built-IN TR	RN1903S1
	Q	107,108 Resistor Built-IN TR	RN1903S1
	Q	109,201 Resistor Built-IN TR	LTC024EEB
	Q	202,206,705,706 Bipolar TR	LSCR523UB
\triangle	Q	203 FET	RTQ040P02
	Q	205,211 Resistor Built-IN TR	LTC024EEB
	Q	207,209,213,713 Bipolar TR	LSAR523UB
	Q	221 Transistor	KTX101U
	Q	224 Resistor Built-IN TR	RN1903S1

Mark No. Description Part No.

	Q	704,710 Resistor Built-IN TR	LTC024EEB
	Q	707,708 Transistor	IMX9
	Q	709,712 Resistor Built-IN TR	LTA024EEB
	Q	711 Bipolar TR	LSCR523UB
	D	202,212,215 Switching Diode	1SS355VM
\triangle	D	207,208,209 Schottky Diode	RB551VM-30
	D	210 Schottky Diode	RB551VM-30
	D	214 Diode	MC2848-11
	D	217,702,704 Switching Diode	1SS355VM
	D	705,708 Schottky Diode	RB501VM-40

MISCELLANEOUS

	L	104 Coil	ATH7015
	L	205 Power Inductor	ATH7053
	L	401 Chip Beads	VTL1129
	L	402,403,404,406,408 Inductor	CTF1793
	X	401 Crystal(24.576MHz)	DSS1204
	X	404 Resonator	CSS1760
	JH	101 5P Cable Holder	51048-0500
	JP	101 Jumper Wire	D20PDY0520E
\triangle	P	101 Protector(1.000A)	DEK1097
	VA	103,701,702,703 Varistors	EZJZ1V270RM
	VA	704 Varistors	EZJZ1V270RM
	VR	701 Potentiometer	DCS1111
	CN	101 39P Connector	VKN2097
	CN	102 31P Connector	VKN1262
	CN	103 25P Connector	VKN1256
	JA	101 USB Connector	DKN1237
	JA	701 6.5 DIA Jack	DKN1669
	JA	702 Pin Jack(2P)	AKB7181

RESISTORS

	R	125	RS1/10SR102J
	R	201	RS1/16SS102J
	R	202,205,227,243,258,261	RS1/16SS103J
	R	204,206	RS1/16SS104J
	R	208,211,248,259,267,292	RS1/10SR0R0J
	R	219,252	RS1/4SA100J
	R	224,226	RS1/8SQ1R5J
	R	231	RS1/10SR271J
	R	245	RS1/16SS1802F
	R	246	RS1/16SS3901D
	R	251	RS1/10SR103J
	R	254,256,280,307	RS1/16SS183J
	R	255	RS1/16SS123J
	R	257,265,281	RS1/16SS273J
	R	260	RS1/10SR471J

Mark No. Description Part No.

Mark No. Description Part No.

A	R	266	RS1/16SS473J
	R	268	RS1/16SS272J
	R	291,405	RS1/16SS0R0J
	R	293,294	RS1/16SS1002D
	R	295,309	RS1/10SR0R0J
	R	296	RS1/16SS223J
	R	297	RS1/16SS104J
	R	298,299,301,302	RS1/16SS472J
	R	303,408,412,416,425	RS1/16SS103J
	R	401	RS1/16SS105J
	R	402,403,406,409,415,424	RS1/16SS560J
	R	404	RS1/16SS102J
B	R	411	RAB4CQ0560J
	R	413,414,427,429,450	RS1/16SS221J
	R	418,422,446	RAB4CQ103J
	R	419,420,421,460	RS1/16SS220J
	R	423,459	RS1/16SS101J
	R	426,431,432,433,438,439	RS1/16SS0R0J
	R	430	RS1/16SS472J
	R	434	RAB4CQ101J
	R	435,436,437,454,463,464	RS1/16SS560J
	R	449	RAB4CQ221J
	R	453	RS1/16SS470J
C	R	461,477	RS1/16SS103J
	R	462,472,474	RS1/16SS104J
	R	465,467,469	RS1/16SS330J
	R	466,471,475,482,485,487	RS1/16SS560J
	R	476	RAB4CQ103J
	R	479,480	RS1/16SS220J
	R	488,489,491	RS1/16SS560J
	R	490,493,496,507,511	RS1/16SS472J
	R	492,499,506,518,521,522	RS1/16SS221J
	R	494,497,501,503,504	RS1/16SS0R0J
	R	495,498,505,509,512,513	RS1/16SS101J
D	R	514	RS1/16SS101J
	R	520,530,532	RS1/16SS103J
	R	523,549,552,591,592	RS1/16SS221J
	R	525	RAB4CQ472J
	R	531,535,564	RS1/16SS102J
	R	533	RS1/16SS5601F
	R	534	RS1/16SS472J
	R	536,571,572	RS1/10SR0R0J
	R	548	RS1/16SS105J
	R	555	RS1/16SS331J
	R	561	RS1/16SS104J
E	R	566,605,651,659,663	RS1/16SS0R0J
	R	569,570,580,609,610,612	RS1/16SS560J
	R	576,701,702,703,704,713	RS1/16SS470J
	R	577,578,579	RS1/16SS330J
	R	582,603,604,708,716	RS1/16SS101J
	R	586,602,607,729,730	RS1/16SS103J
	R	593,594,599,600	RS1/16SS224J
	R	606,611	RS1/16SS221J
	R	706,737,738,744,745	RS1/16SS473J
	R	707	RS1/10SR1501D
F	R	709	RS1/10SR6802D
	R	710	RS1/10SR1801D
	R	711,752,753	RS1/10SR3301D
	R	714,717,721	RS1/16SS470J

R	715,720,723,761	RS1/10SR0R0J
R	722,727	RS1/10SR100J
R	724	RS1/10SR9101D
R	728	RS1/10SR7500D
R	740,741	RS1/10SR4701D
R	746,747	RS1/10SR271J
R	750,751	RS1/10SR1002D
R	755,767,778,779,782,784	RS1/16SS103J
R	756	RS1/16SS104J
R	768,771	RS1/16SS472J
R	772,773,791	RS1/16SS223J
R	774,775,786,787,788,789	RS1/16SS473J
R	776,777	RS1/10SR471J
R	780,781,783,785	RS1/10SR331J
R	790	RS1/10SR0R0J
R	794	RS1/10SR3301D
R	795	RS1/16SS103J
R	797	RS1/16SS0R0J
R	836	RS1/10SR1001D
R	837	RS1/10SR7500D
R	838,839,840	RS1/16SS470J
R	841	RS1/16SS220J
R	842	RS1/16SS101J
R	843,844	RS1/10SR330J

CAPACITORS

C	102	CKSSYB103K16
C	104,209,264	CCG1192
C	109,201,205,206,217,232	CKSRYB105K10
C	118,120	CKSSYB102K50
C	148,402,403,405,406	CCSSCH101J50
C	211	DCH1266
C	218,235,236,242,249,285	CKSSYB104K10
C	234,412,413	CEVW470M6R3
C	243,254,262,274,280,287	CKSRYB105K10
C	244	CCSSCH121J50
C	252,267,270	CEVW471M10
C	257,286,425	CCSSCH221J50
C	290	CKSRYB105K10
C	401,404	CCSSCH120J50
C	407,408,411,414,415,418	CCSSCH101J50
C	410,437	CKSSYB102K50
C	421,422,423,435,436,439	CCSSCH101J50
C	424,426,427,428,429,430	CKSSYB103K16
C	431,433,434,438,442,444	CKSSYB103K16
C	432,441,458,469,470,473	CKSSYB104K10
C	440	CCSSCH221J50
C	443,446,449,471,480	CCSSCH101J50
C	445,448,454,456	CKSSYB471K50
C	447,450,452,455,457,459	CKSSYB103K16
C	461,462,463,464,465,483	CKSSYB103K16
C	466,468,475,476,493,494	CKSSYB102K50
C	474,478,482,484,485,499	CKSSYB104K10
C	477,489,490,503,504,505	CCG1192
C	487	CCSSCH120J50
C	488,492	CKSSYB103K16
C	491	CKSSYB222K50
C	495,507,544,545,547,548	CKSSYB102K50
C	496,497,498,510,511,513	CCSSCH101J50

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
C	500,501,506,546,554,561		CKSSYB104K10				
C	502		CCSSCH100D50	Q	1407,1409,1411	Transistor	LTC124EUB
C	514,515,516,519,520,521		CCSSCH101J50	Q	1410,1412	Chip Transistor	2SB1689
C	522,523,524,564,565,566		CCSSCH101J50	Q	1413,1415	Transistor	LTC124EUB
C	533		CCG1192	Q	1414,1416	Chip Transistor	2SB1689
C	549,550,552,553,555,556		CKSSYB102K50	Q	1417,1421,1422	Transistor	LTC123JUB
C	557,558,560,562,570,571		CKSSYB102K50	Q	1419,1420	Bipolar TR	LSCR523UB
C	568,569		CCSSCH221J50	Q	1601,1602	Chip Transistor	INC2002AC1
C	572,573,702,708,709,715		CKSSYB102K50	D	1201,1202,1203,1204	Diode	MC2848-11
C	575		CCSSCH101J50	D	1205,1206,1207,1208	Diode	MC2848-11
C	701		CKSRBY104K25	D	1209,1210,1211,1212	Diode	MC2848-11
C	704		CCSSCH561J50	D	1213,1214,1215	Diode	MC2848-11
C	705		CKSSYB332K50	D	1216	Schottky Diode	RB501VM-40
C	706,710		CKSSYB103K16	D	1401,1402,1403,1404	LED(Red)	SLI-343U8R(HJK)
C	707		ACG1147	D	1405,1406,1407,1408	LED(Red)	SLI-343U8R(HJK)
C	712,721,731		CEVW470M6R3	D	1409,1410,1411,1413	LED(Red)	SLI-343U8R(HJK)
C	713,714,726		CKSSYB104K10	D	1412,1417	LED(Amber)	SLI-343Y8Y(KLM)
C	716,722,723,727,728		CKSRBY104K16	D	1414,1415,1416,1418	LED(Red)	SLI-343U8R(HJK)
C	717,718		CCSRCH222J50	D	1419,1420,1421,1422	LED(Red)	SLI-343U8R(HJK)
C	719,724		CEVW101M16	D	1423,1424,1425,1426	LED(Red)	SLI-343U8R(HJK)
C	729,742,743		CKSRBY105K10	D	1427	LED(Green)	SLI-343M8G(GHJ)
C	730,734,782		CKSSYB102K50				
C	732,733,765,804		CCG1192	L	1201,1202,1204	Inductor	CTF1379
C	735		CCH1565	JH	1001,1201	4P Cable Holder	51048-0400
C	739,740,773,774		CEVW220M16	JP	1001	Jumper Wire	D20PY0405E
C	744,807		DCH1263	KN	1201	Earth Terminal	AKF7002
C	745		CCSSCH221J50	PC	1201,1202	Photo Interrupter	RPI-579N1
C	747,748,783,814		CKSSYB103K16	S	1201,1205,1206	Tact Switch	DSG1079
C	749,750		CCSSCH681J50	S	1202,1203,1204	Tact Switch	DSG1117
C	751,752		CCSSCH181J50	S	1207,1208,1209	Tact Switch	DSG1117
C	753		CKSQYB475K6R3	S	1210,1211,1212	Tact Switch	DSG1079
C	755,761		CCH2090	S	1213,1214,1215	Tact Switch	DSG1079
C	766		CEVW470M6R3	S	1216,1219,1222	Tact Switch	DSG1079
C	781		CKSRBY104K25	S	1217,1218,1220	Tact Switch	DSG1117
C	784		CEVW331M6R3	S	1221	Tact Switch	DSG1117
C	785		CKSRBY105K10	S	1223,1224,1225	Tact Switch	DSG1079
C	786		CKSSYB102K50	VA	1001,1002,1003	Varistors	EZJZ1V270RM
C	806,809,811		CKSSYB104K10	VA	1201,1202	SMD Varistor	EZJZ1V80010
C	808,810		CCG1192	VA	1203,1204,1205	Varistors	EZJZ1V270RM
				VA	1206	Varistors	EZJZ1V270RM
				VR	1201	Potentiometer	DCS1096
				VR	1202	Slide VR	DCV1034
				VR	1203	Variable Resistor	DCV1023
				CN	1001	39P Connector	VKN2097
				CN	1601	5P Jumper Connector	52147-0510
				JA	1601	Stereo Mini Jack	XKN3017

MISCELLANEOUS

PNL1 ASSY
Consist of
DCK1 ASSY
HPJK ASSY
HLD1 ASSY
HLD2 ASSY

B C E F

Unit Number: DWM2679
Unit Name: PNL1 ASSY

SEMICONDUCTORS

IC	1201 Flash Written UC IC	DYW1962*
	*Part number of the initial firmware equipped	
Q	1201,1202,1418	Bipolar TR LSCR523UB
Q	1401,1403,1405	Transistor LTC124EUB
Q	1402,1404	Chip Transistor 2SB1689
Q	1406,1408	Chip Transistor 2SB1689

RESISTORS

R	1001	RS1/4SA2R0J
R	1201,1202,1203,1221,1227	RS1/10SR0R0J
R	1204,1205,1225,1228	RS1/10SR103J
R	1206,1207	DCN1187
R	1208,1209,1222,1223,1226	RS1/10SR101J
R	1210,1211	RS1/10SR222J
R	1212,1213	RS1/10SR111J
R	1215	RS1/10SR2202D
R	1218,1219	RS1/10SR2201D
R	1220	RS1/10SR221J
R	1224	RS1/10SR391J

Mark	No.	Description	Part No.
R	1401,1407,1413,1420,1427		RS1/10SR182J
R	1402,1405,1410,1411,1417		RS1/10SR271J
R	1403,1408,1415,1422,1428		RS1/10SR223J
R	1404,1409,1416,1423,1429		RS1/10SR473J
R	1406,1412,1419,1426,1431		RS1/10SR470J
R	1414,1418,1421,1425,1435		RS1/10SR151J
R	1424		RS1/10SR221J
R	1430,1459		RS1/10SR271J
R	1432,1437,1443		RS1/10SR182J
R	1433,1439,1445		RS1/10SR223J
R	1434,1440,1446,1454,1455		RS1/10SR473J
R	1436,1442,1448		RS1/10SR470J
R	1438,1441,1444,1447		RS1/10SR151J
R	1449,1450		RS1/10SR152J
R	1451		RS1/10SR821J
R	1452,1457		RS1/10SR112J
R	1456		RS1/10SR473J
R	1601,1602		RS1/10SR272J
R	1603,1604,1607,1608,1609		RS1/4SAOR0J
R	1605,1606		RS1/10SR103J
R	1611,1612		RS1/10SR0R0J

CAPACITORS

C	1003	CEJQ101M16
C	1202,1208,1209,1211	CKSRYB103K50
C	1203,1206,1207,1212,1603	CKSRYB104K16
C	1204	CGRCH221J50
C	1214	DCH1201
C	1601,1602	CEAT471M10
C	1604	CKSRYB104K16

D

Unit Number: DWX4134
Unit Name: PNL2 ASSY

SEMICONDUCTORS

IC	2401 Flash Written UC IC	DYW1962*
	*Part number of the initial firmware equipped	
Q	2401,2403,2405 Transistor	LTC124EUB
Q	2402,2404 Chip Transistor	2SB1689
Q	2406,2408 Chip Transistor	2SB1689
Q	2407,2409,2411 Transistor	LTC124EUB
Q	2410,2412 Chip Transistor	2SB1689
Q	2413,2415 Transistor	LTC124EUB
Q	2414,2416 Chip Transistor	2SB1689
Q	2417,2418,2419 Bipolar TR	LSCR523UB
Q	2420,2421,2423 Bipolar TR	LSCR523UB
Q	2422 Transistor	LTC123JUB
Q	2424 Bipolar TR	LSCR523UB
D	2201,2202,2203,2204 Diode	MC2848-11
D	2205,2206,2207,2208 Diode	MC2848-11
D	2209,2210,2211,2212 Diode	MC2848-11
D	2213,2214,2215,2216 Diode	MC2848-11
D	2217,2218,2219 Diode	MC2848-11
D	2401,2403,2404,2406 LED(Red)	SLI-343U8R(HJK)
D	2402,2405,2408 LED(Amber)	SLI-343Y8Y(KLM)
D	2407,2409,2411,2412 LED(Red)	SLI-343U8R(HJK)

Mark	No.	Description	Part No.
D	2410,2415,2422 LED(Amber)		SLI-343Y8Y(KLM)
D	2413,2414,2416,2417 LED(Red)		SLI-343U8R(HJK)
D	2418,2419,2420,2421 LED(Red)		SLI-343U8R(HJK)
D	2423,2424,2427,2429 LED(Red)		SLI-343U8R(HJK)
D	2425,2428,2431 LED(Amber)		SLI-343Y8Y(KLM)
D	2426 Schottky Diode		RB501VM-40
D	2430,2433,2434,2436 LED(Red)		SLI-343U8R(HJK)
D	2432,2435,2437 LED(Green)		SLI-343M8G(GHJ)
D	2438,2439 LED(Red)		SLI-343U8R(HJK)
D	2440,2441 LED(Green)		SLI-343M8G(GHJ)

MISCELLANEOUS

L	2403,2404,2407 Inductor	CTF1379
JH	2001,2201 5P Cable Holder	51048-0500
JP	2001 Parallel Jumper	D20PDY0505E
KN	2401 Earth Terminal	AKF7002
PC	2401,2402 Photo Interrupter	RPI-579N1
S	2201,2202,2203 Tact Switch	DSG1117
S	2204,2205,2209 Tact Switch	DSG1079
S	2206,2207,2208 Tact Switch	DSG1117
S	2210,2211,2212 Tact Switch	DSG1079
S	2213,2214,2215 Tact Switch	DSG1079
S	2216,2217,2218 Tact Switch	DSG1079
S	2219,2220,2223 Tact Switch	DSG1117
S	2221,2222,2225 Tact Switch	DSG1079
S	2224 Tact Switch	DSG1117
S	2226,2227,2228 Tact Switch	DSG1079
S	2229,2230 Tact Switch	DSG1079
S	2231 Rotary Encoder	DSX1138
VA	2201,2202,2203 Varistors	EZJZ1V270RM
VA	2204,2205,2206 Varistors	EZJZ1V270RM
VA	2207,2208,2209 Varistors	EZJZ1V270RM
VA	2210 Varistors	EZJZ1V270RM
VA	2401,2402 SMD Varistor	EZJZ1V80010
VR	2201,2207,2208 Potentiometer	DCS1096
VR	2202,2203,2204 Potentiometer	DCS1097
VR	2205,2211,2212 Potentiometer	DCS1097

VR	2206,2209 Variable Resistor	DCV1024
VR	2210,2216 Potentiometer	DCS1096
VR	2213,2214 Potentiometer	DCS1097
VR	2215 Slide VR	DCV1034
CN	2001 25P Connector	VKN1256
CN	2002 31P Connector	VKN1262

RESISTORS

R	2001	RS1/4SA2R0J
R	2206,2214	RS1/10SR0R0J
R	2217,2218	RS1/10SR2201D
R	2219,2220,2222,2223	RS1/10SR101J
R	2401	RS1/10SR122J
R	2402,2412,2422,2430	RS1/10SR223J
R	2403,2413,2423,2431	RS1/10SR473J
R	2404,2406,2414,2415,2424	RS1/10SR271J
R	2405,2418,2427,2442	RS1/10SR221J
R	2407,2417,2426,2434,2444	RS1/10SR470J
R	2408	RS1/10SR121J
R	2409,2419	RS1/10SR152J
R	2410,2411	DCN1187
R	2416,2420,2425,2429,2433	RS1/10SR151J

Mark	No.	Description	Part No.
R	2428		RS1/10SR222J
R	2432,2435		RS1/10SR271J
R	2437,2448		RS1/10SR182J
R	2438,2443,2450,2455		RS1/10SR151J
R	2439		RS1/10SR2202D
R	2440,2451,2462,2471		RS1/10SR223J
R	2441,2452,2463,2472		RS1/10SR473J
R	2445,2447,2454,2457		RS1/10SR221J
R	2453,2460		RS1/10SR101J
R	2456,2466,2475		RS1/10SR470J
R	2458,2468,2491		RS1/10SR103J
R	2459,2469,2478,2479,2481		RS1/10SR122J
R	2461,2487,2488		RS1/10SR0R0J
R	2464,2467,2473,2476		RS1/10SR820J
R	2465,2470,2474,2489		RS1/10SR271J
R	2477		RS1/10SR392J
R	2480		RS1/10SR821J
R	2482,2483,2484,2485,2486		RS1/10SR473J
R	2492		RS1/10SR103J
R	2493,2494		RS1/10SR101J
R	2495,2496		RS1/10SR222J
R	2497,2498		RS1/10SR111J

CAPACITORS

C	2001		CEJQ101M16
C	2206,2217,2230,2403,2405		CKSRYB104K16
C	2212,2228,2231,2233,2236		CKSRYB103K50
C	2237,2238		CKSRYB103K50
C	2402		CCSRCH221J50
C	2404		DCH1201

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