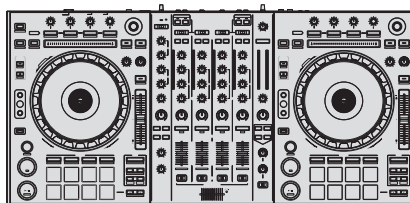


Pioneer

Service Manual



DDJ-SZ

ORDER NO.
RRV4510

DJ Controller

DDJ-SZ

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

Model	Type	Power Requirement	Remarks
DDJ-SZ	UXJCB	AC 110 V to 240 V	
DDJ-SZ	LSYXJ8	AC 110 V to 240 V	
DDJ-SZ	XJCN5	AC 110 V to 240 V	



PIONEER CORPORATION 1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936
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SAFETY INFORMATION



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.

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C.
Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:
 - GYP1006 1.0 in dia.
 - GYP1007 0.6 in dia.
 - GYP1008 0.3 in dia.

1.2 NOTES ON REPLACING

The part listed below is difficult to replace as a discrete component part.
When the part listed in the table is defective, replace whole Assy.

Assy Name	Parts that is Diffcult to Replace			
	Ref No.	Function	Part No.	Remarks
MAIN Assy	IC1203	12V⇒1.25V DC/DC converter	BD9328EFJ	IC with heat-pad
	IC1204	12V⇒5V DC/DC converter	BD9329EFJ	IC with heat-pad
	IC1205	12V⇒7.9V DC/DC converter	BD9328EFJ	IC with heat-pad
	IC1206	5V⇒3.3V Regulator	NJM2886DL3-33	IC with heat-pad
	IC1401	18V⇒15V Regulator	NJM78M15DL1A	IC with heat-pad
	IC1402	-18V⇒-15V Regulator	NJM78M15DL1A	IC with heat-pad
	IC1403	12V⇒±18V DC/DC converter	BD9851EFV	IC with heat-pad
	IC1404	7.9V⇒5V Regulator	NJM7805DL1A	IC with heat-pad
	IC1405	12V⇒±7.5V DC/DC converter	BD9851EFV	IC with heat-pad
	IC3201	DSP	D810K013DZKB400	BGA
CDCL Assy	IC7301	CDC (Capacitance Sensors IC)	AD7147ACPZ500RL7	IC with heat-pad
CDCR Assy	IC6301	CDC (Capacitance Sensors IC)	AD7147ACPZ500RL7	IC with heat-pad

1.3 SERVICE NOTICE

■ Assembly of the Jog dial section

Some parts of the Jog dial section require particular accuracy in reassembly after replacement of the parts, in order to eliminate eccentricity.
Be sure to reassemble the parts of the Jog dial section so that there is no eccentricity, referring to "How to Measure the Eccentricity of the Jog Dial" in "7. DISASSEMBLY."
The Jog dial will not rotate properly if the parts are not assembled accurately.

■ CROSS FADER ASSY

Noncontact faders are adopted for the crossfaders with this product. Compared with conventional contact-type crossfaders, noncontact faders offer dozens of times the durability.
Because high accuracy is required for assembly of the fader section, the service part of this section will be supplied as a whole Assy. Use the CROSS FADER ASSY (DXA2257) for replacement.

■ Calibration of the crossfaders and performance pads

The crossfaders and performance pads of this unit are calibrated on the production line.
After you replace the corresponding part(s), be sure to perform calibration of the part(s) in question.
See "Crossfader calibration mode", "PAD Calibration mode" in "6.1 TEST MODE" for details on how to calibrate.
Without calibration, sound will not completely fade out even if a crossfader is set to its minimum-value position, or the volume changing in response to force applied to a performance pad will vary from one performance pad to another in SAMPLER VELOCITY ON mode.
For details on the specific parts for which recalibration is required, see "8.1 NECESSARY ITEMS TO BE NOTED."

■ Notes on "10. SCHEMATIC DIAGRAM" and "12. PCB PARTS LIST"

The same reference numbers are allotted to some electrical parts of the DDJ-SZ in this service manual. When searching for a part by its reference number in this manual, be sure to confirm the Assy name, as well as the reference number.

ASSY names:

MAIN (DWX3535), DEUP (DWX3548), and PADR (DWX3583):
USBB (DWX3555) and HPJK (DWX3538):

Overlapped numbers

6,000s
3,900s

2. SPECIFICATIONS

A	Power requirements.....	AC 110 V to 240 V, 50 Hz/60 Hz
	Power consumption	30 W
	Power consumption (standby)	0.4 W
	Main unit weight.....	10.4 kg (22.9 lb)
	Max. dimensions.....	870 mm (W) × 98.4 mm (H) × 419.5 mm (D) (34.3 in. (W) × 3.9 in. (H) × 16.5 in. (D))
	Tolerable operating temperature	+5 °C to +35 °C (+41 °F to +95 °F)
	Tolerable operating humidity.....	5 % to 85 % (no condensation)

Audio Section

	Sampling rate	44.1 kHz
	A/D, D/A converter.....	24 bits
B	Frequency characteristic	
	USB, CD/LINE, MIC1, MIC2.....	20 Hz to 20 kHz
	S/N ratio (rated output, A-WEIGHTED)	
	USB	111 dB
	CD/LINE	97 dB
	PHONO	90 dB
	MIC1	84 dB
	MIC2	84 dB
	Total harmonic distortion (20 Hz — 20 kHzBW)	
	USB	0.002 %
	CD/LINE	0.004 %
	Standard input level / Input impedance	
	CD/LINE	−12 dBu/47 kΩ
	PHONO	−52 dBu/47 kΩ
C	MIC1	−52 dBu/8.5 kΩ
	MIC2	−52 dBu/8.5 kΩ
	Standard output level / Load impedance / Output impedance	
	MASTER OUT 1	+6 dBu/10 kΩ/390 Ω or less
	MASTER OUT 2	+2 dBu/10 kΩ/820 Ω or less
	BOOTH	+6 dBu/10 kΩ/390 Ω or less
	PHONES	+8 dBu/32 Ω/10 Ω or less
	Rated output level / Load impedance	
	MASTER OUT 1	24 dBu/10 kΩ
	MASTER OUT 2	20 dBu/10 kΩ
	Crosstalk	
	CD/LINE	82 dB
	Channel equalizer characteristic	
D	HI	−∞ dB to +6 dB (13 kHz)
	MID	−∞ dB to +6 dB (1 kHz)
	LOW	−∞ dB to +6 dB (70 Hz)
	Microphone equalizer characteristic	
	HI	−12 dB to +12 dB (10 kHz)
	LOW	−12 dB to +12 dB (100 Hz)

Input / Output terminals

CD/LINE Input terminals	
RCA pin jacks	4 sets
PHONO/LINE input terminals	
RCA pin jacks	2 sets
MIC1 terminal	
XLR connector/phone jack (Ø 6.3 mm)	1 set
MIC2 terminal	
Phone jack (Ø 6.3 mm).....	1 set
MASTER OUT 1 output terminal	
XLR connector.....	1 set
MASTER OUT 2 output terminal	
RCA pin jacks	1 set
BOOTH output terminal	
Phone jack (Ø 6.3 mm).....	1 set
PHONES output terminal	
Stereo phone jack (Ø 6.3 mm)	1 set
Stereo mini phone jack (Ø 3.5 mm)	1 set
USB terminals	
B type	2 sets

- Be sure to use the [MASTER OUT 1] terminals only for a balanced output. Connection with an unbalanced input (such as RCA) using an XLR to RCA converter cable (or converter adapter), etc., may lower the sound quality and/or result in noise. For connection with an unbalanced input (such as RCA), use the [MASTER OUT 2] terminals.
- The specifications and design of this product are subject to change without notice.

Accessories

- CD-ROM (Installation Disc)
(DXX2754)
- Power cord
(UXJCB: DDG1108)
(LSYXJ8: ADG1244)
(XJCN5: DDG1114)
- USB cable
(DDE1128)
- Warranty card (LSYXJ8 only)
- Operating Instructions (Basic Edition)
(UXJCB: DRH1247)
(LSYXJ8: DRH1249)
(XJCN5: DRH1250)

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing

To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedures	Check points
1	Check the firmware version.	The firmware version must be the latest one. If it is not the latest one, be sure to update it.
2	Confirm that the customer complaint has been resolved. If the problem pointed out by the customer occurs with a specific source or operation, such as PC input, AUX/MIC input, Fader, or VOL, input that specific source then perform that specific operation for checking.	The symptoms in question must not be reproduced. There must be no abnormality in audio signals or operations.
3	Check operations of the operating elements. Enter Test mode.	There must be no errors in operations of each button, the jog dial, LEDs, NeedleSearch, VOL, fader control, and rotary encoder.
4	Check the analog audio output. Connect this unit (USB terminal A, B neither) with a PC with the DJ application (Serato DJ) installed, via USB, then play back audio.	There must be no errors, such as noise, in audio signals and operations of the MASTER/HEADPHONES outputs.
5	Check the analog audio input. Input an audio signal via each CH, MIC.	There must be no abnormality in audio signals or operations.
6	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding audio.

Item to be checked regarding audio	
Distortion	Volume too high
Noise	Volume fluctuating
Volume too low	Sound interrupted

3.2 JIGS LIST

Jigs List

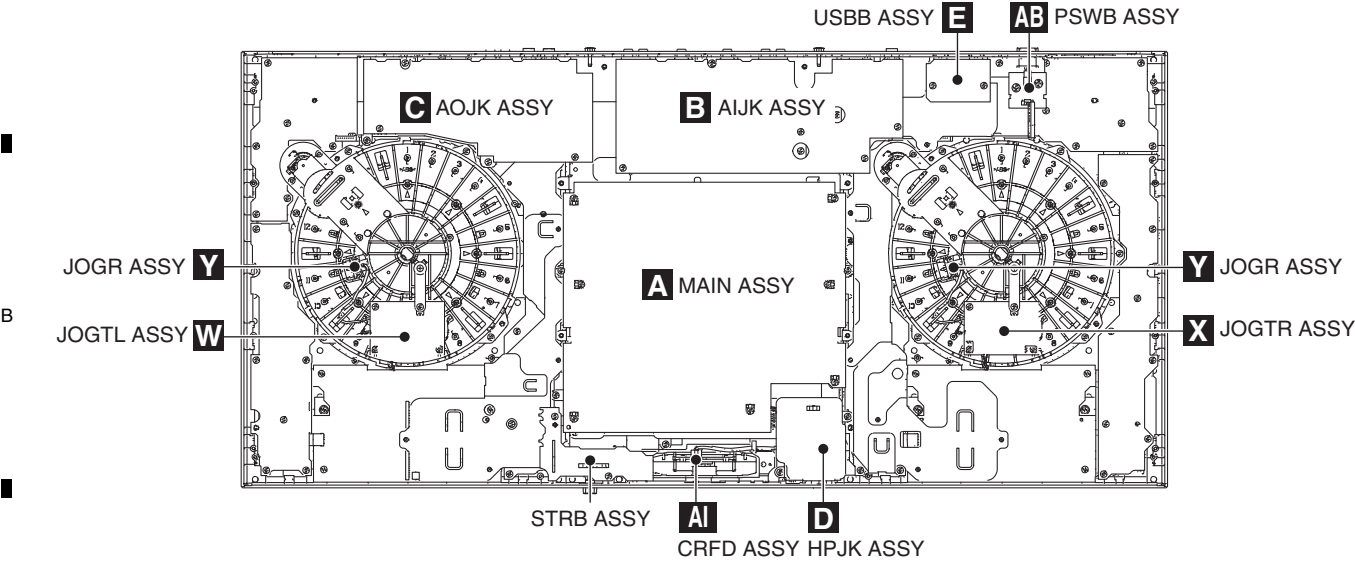
Jig Name	Part No.	Purpose of use / Remarks
USB cable	GGP1193	for PC connection
Weight for pad calibration	GGF1685	to be used as a weight for pad calibration <Specifications of the weight> Weight: 150 g $\pm$ 5 g Base area: 10 mm dia. and with a flat base (Any object that can satisfy the above specifications can be used as a weight for calibration.)

Lubricants and Glues List

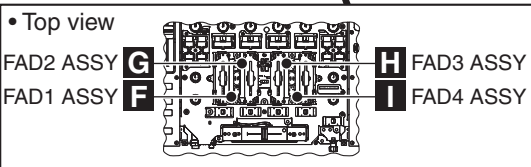
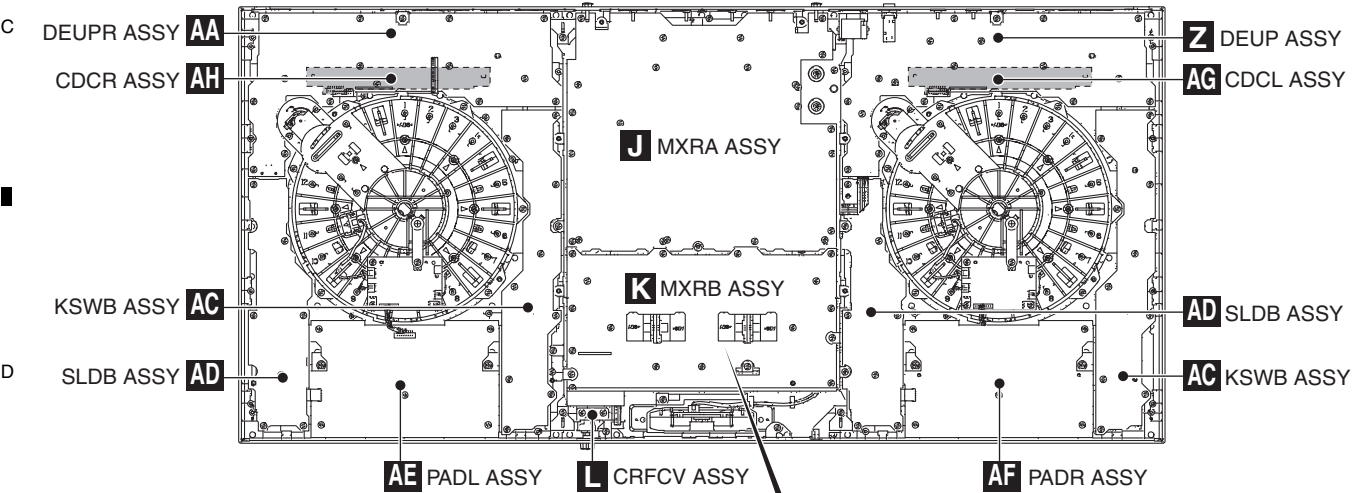


Name	Part No.	Remarks
Lubricating oil	GYA1001	Refer to "9.5 MIXER SECTION", "9.7 JOG DIAL SECTION".
Lubricating oil	GEM1034	Refer to "9.7 JOG DIAL SECTION".

A • First layer (bottom view)

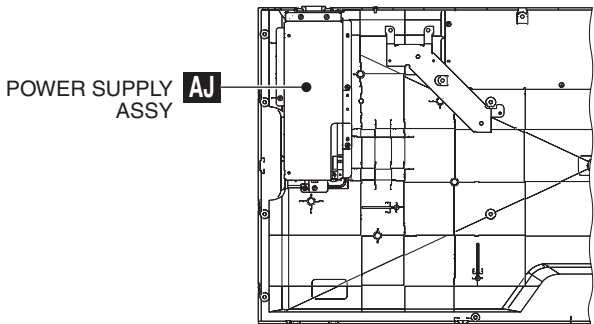


• Second layer (bottom view)

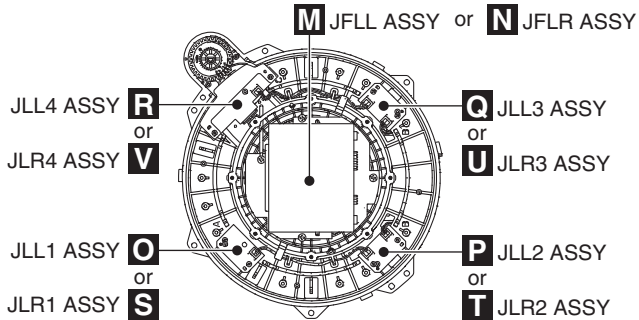


E

• Chassis Section (top view)



• Jog dial Section (top view)



F

NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
 ● The ⚠ 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.

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
LIST OF ASSEMBLIES							
NSP	1..MOTHER ASSY		DWM2519	NSP	1..MIXER ASSY		DWM2524
	2..MAIN ASSY		DWX3535		2..MXRA ASSY		DWX3543
	2..USBB ASSY		DWX3555		2..JOGTL ASSY		DWX3551
					2..PSWB ASSY		DWX3560
					2..JOGTR ASSY		DWX3565
NSP	1..JACK ASSY		DWM2520				
	2..AIJK ASSY		DWX3536	NSP	1..DECK ASSY		DWM2522
	2..AOJK ASSY		DWX3537		2..DEUP ASSY		DWX3548
	2..HPJK ASSY		DWX3538		2..KSWB ASSY		DWX3549
	2..FAD3 ASSY		DWX3539		2..SLDB ASSY		DWX3550
					2..JOGR ASSY		DWX3552
	2..FAD1 ASSY		DWX3540				
	2..FAD2 ASSY		DWX3541		2..STRB ASSY		DWX3585
	2..FAD4 ASSY		DWX3542				
NSP	1..SUB ASSY		DWM2521	NSP	1..DECKR ASSY		DWM2529
	2..MXRB ASSY		DWX3544		2..KSWB ASSY		DWX3549
	2..JFLL ASSY		DWX3545		2..SLDB ASSY		DWX3550
	2..JFLR ASSY		DWX3546		2..JOGR ASSY		DWX3552
	2..CRFCV ASSY		DWX3547		2..DEUPR ASSY		DWX3580
	2..JLL1 ASSY		DWX3556		2..STRB ASSY		DWX3585
	2..JLL2 ASSY		DWX3557				
	2..JLL3 ASSY		DWX3558	NSP	1..PACD ASSY		DWM2523
	2..JLL4 ASSY		DWX3559		2..PADL ASSY		DWX3553
	2..JLR1 ASSY		DWX3561		2..CDCL ASSY		DWX3554
					2..PADR ASSY		DWX3583
	2..JLR2 ASSY		DWX3562		2..CDCR ASSY		DWX3584
	2..JLR3 ASSY		DWX3563				
	2..JLR4 ASSY		DWX3564	NSP	1..CROSS FADER ASSY		DXA2257
					2..CRFD ASSY		DWX3258
				⚠	POWER SUPPLY ASSY		DWR1463

4. BLOCK DIAGRAM

4.1 OVERALL WIRING DIAGRAM

- 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。
- △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。

B (B1/3- B3/3) AIJK ASSY (DWX3536)

C (C1/2- C2/2) AOJK ASSY (DWX3537)

AH CDCR ASSY (DWX3584)

N JFLR ASSY (DWX3546)

AC KSWB ASSY (DWX3549)

AA DEUPR ASSY (DWX3580)

A (A1/14- A14-14) MAIN ASSY (DWX3535)

AD SLDB ASSY (DWX3550)

AF PADR ASSY (DWX3583)

T JLR2 ASSY (DWX3562)

S JLR1 ASSY (DWX3561)

U JLR3 ASSY (DWX3563)

V JLR4 ASSY (DWX3564)

X JOGTR ASSY (DWX3565)

Y JOGR ASSY (DWX3552)

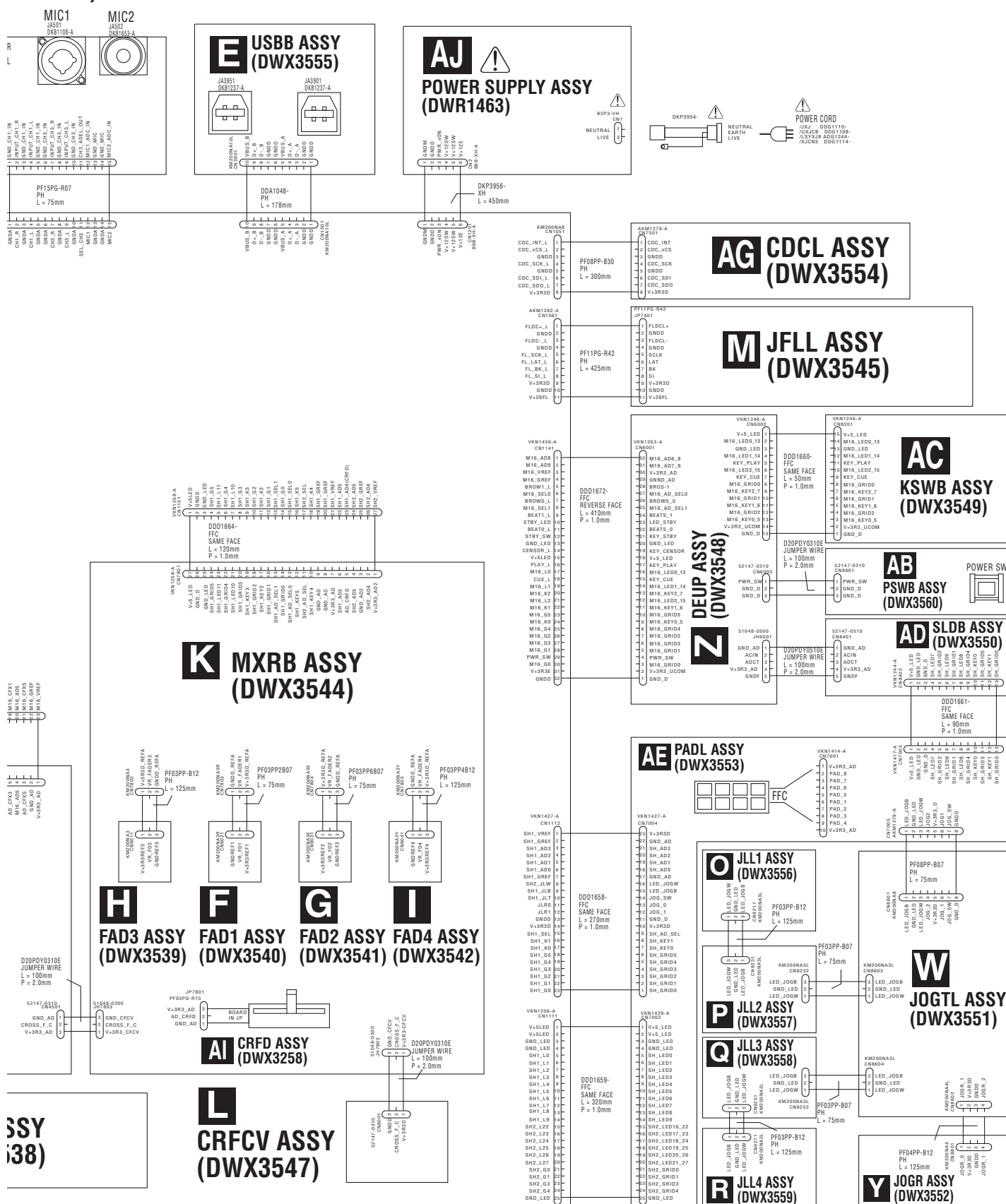
J (J1/2- J2/2) MXRA ASSY (DWX3543)

D HPJK ASSY (DWX3538)

H FAD ASSY (DWX3539)

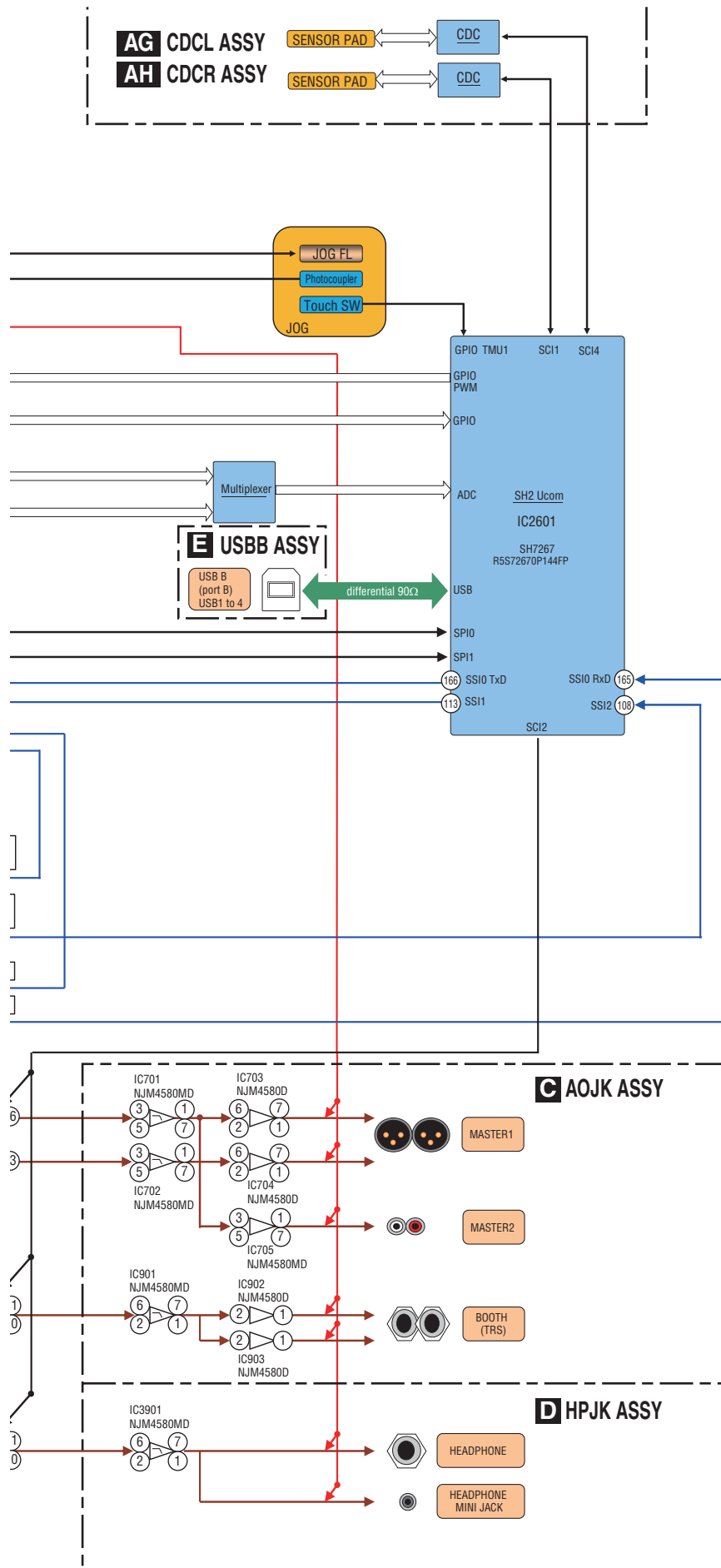
3/3) NX3536)

- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The  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.

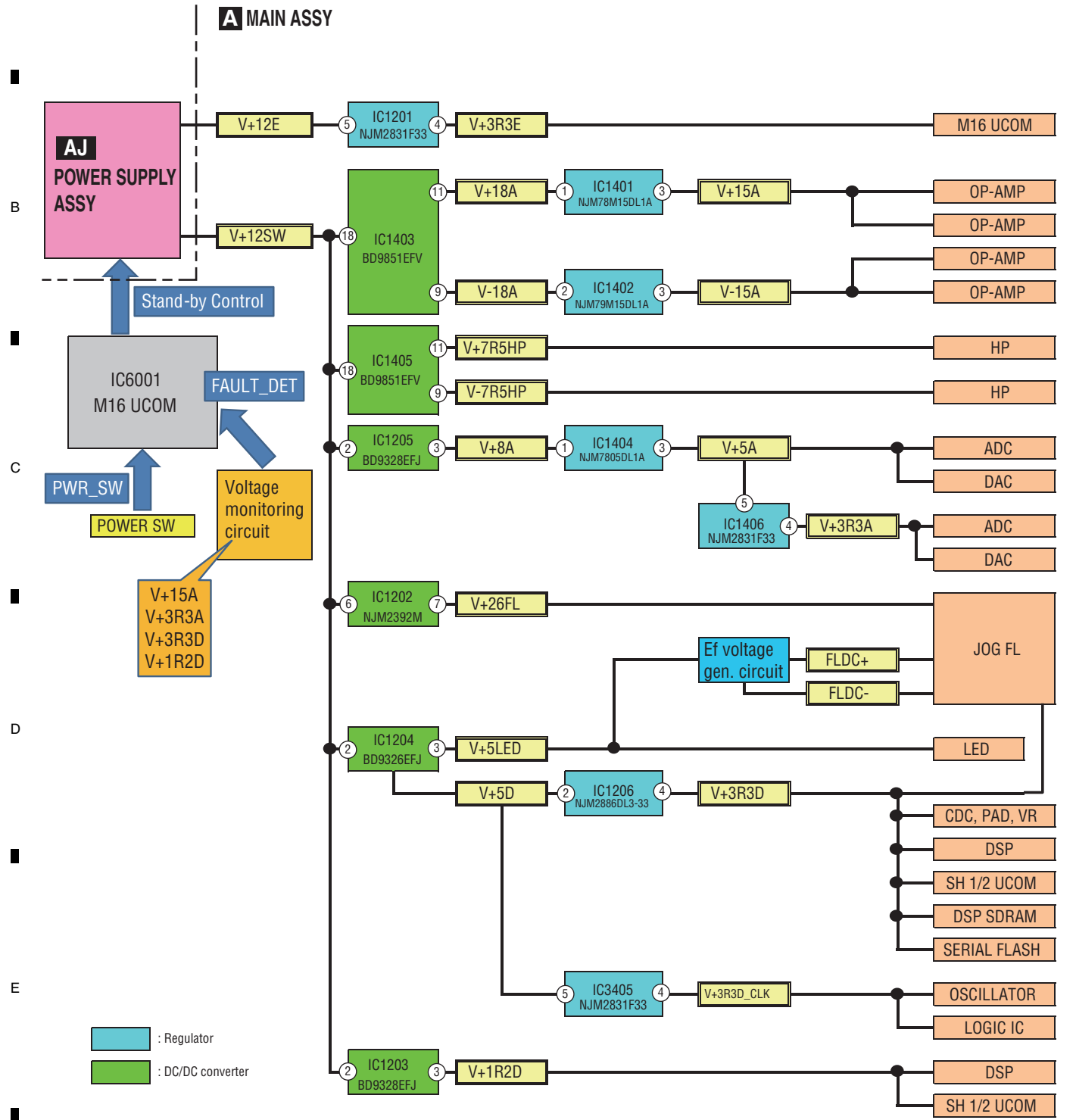


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4.3 POWER BLOCK DIAGRAM



4.4 MATRIX TABLE

LED assignment

• SH1 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
LED_SEG0 (PWM)	FSR6_L RED	FSR8_L RED	FSR7_L RED	FSR6_L RED	FSR8_L RED	FSR7_L RED
LED_SEG1 (PWM)	FSR6_L GREEN	FSR8_L GREEN	FSR7_L GREEN	FSR6_L GREEN	FSR8_L GREEN	FSR7_L GREEN
LED_SEG2 (PWM)	FSR6_L BLUE	FSR8_L BLUE	FSR7_L BLUE	FSR6_L BLUE	FSR8_L BLUE	FSR7_L BLUE
LED_SEG3 (PWM)	FSR2_L RED	FSR3_L RED	FSR4_L RED	FSR2_L RED	FSR3_L RED	FSR4_L RED
LED_SEG4 (PWM)	FSR2_L GREEN	FSR3_L GREEN	FSR4_L GREEN	FSR2_L GREEN	FSR3_L GREEN	FSR4_L GREEN
LED_SEG5 (PWM)	FSR2_L BLUE	FSR3_L BLUE	FSR4_L BLUE	FSR2_L BLUE	FSR3_L BLUE	FSR4_L BLUE
LED_SEG6 (PWM)	FSR1_L RED	FSR5_L RED		FSR1_L RED	FSR5_L RED	
LED_SEG7 (PWM)	FSR1_L GREEN	FSR5_L GREEN	TEMPO DOWN_L	FSR1_L GREEN	FSR5_L GREEN	TEMPO UP_L
LED_SEG8 (PWM)	FSR1_L BLUE	FSR5_L BLUE	L-HALF_L	FSR1_L BLUE	FSR5_L BLUE	L-DOUBLE_L
LED_SEG9 (PWM)	AUTOLOOP_L	PARAMR_L	L-IN_L		PARAML_L	L-OUT_L
LED_SEG10	SCFX1	CH3_CUE	TRFX1	SCFX3	CH2_CUE	TRFX3
LED_SEG11	SCFX2	CH1_CUE	TRFX2	SCFX4	CH4_CUE	TRFX4

• SH2 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
LED_SEG0 (PWM)	FSR6_R RED	FSR8_R RED	FSR7_R RED	FSR6_R RED	FSR8_R RED	FSR7_R RED
LED_SEG1 (PWM)	FSR6_R GREEN	FSR8_R GREEN	FSR7_R GREEN	FSR6_R GREEN	FSR8_R GREEN	FSR7_R GREEN
LED_SEG2 (PWM)	FSR6_R BLUE	FSR8_R BLUE	FSR7_R BLUE	FSR6_R BLUE	FSR8_R BLUE	FSR7_R BLUE
LED_SEG3 (PWM)	FSR2_R RED	FSR3_R RED	FSR4_R RED	FSR2_R RED	FSR3_R RED	FSR4_R RED
LED_SEG4 (PWM)	FSR2_R GREEN	FSR3_R GREEN	FSR4_R GREEN	FSR2_R GREEN	FSR3_R GREEN	FSR4_R GREEN
LED_SEG5 (PWM)	FSR2_R BLUE	FSR3_R BLUE	FSR4_R BLUE	FSR2_R BLUE	FSR3_R BLUE	FSR4_R BLUE
LED_SEG6 (PWM)	FSR1_R RED	FSR5_R RED		FSR1_R RED	FSR5_R RED	
LED_SEG7 (PWM)	FSR1_R GREEN	FSR5_R GREEN	TEMPO DOWN_R	FSR1_R GREEN	FSR5_R GREEN	TEMPO UP_R
LED_SEG8 (PWM)	FSR1_R BLUE	FSR5_R BLUE	L-HALF_R	FSR1_R BLUE	FSR5_R BLUE	L-DOUBLE_R
LED_SEG9 (PWM)	AUTOLOOP_R	PARAMR_R	L-IN_R		PARAML_R	L-OUT_R
LED_SEG10						
LED_SEG11						
LED_SEG16 (PWM)	SLICER_R RED	SAMPLER_R RED		SLICER_R RED	SAMPLER_R RED	
LED_SEG17 (PWM)	SLICER_R GREEN	SAMPLER_R GREEN		SLICER_R GREEN	SAMPLER_R GREEN	
LED_SEG18 (PWM)	SLICER_R BLUE	SAMPLER_R BLUE		SLICER_R BLUE	SAMPLER_R BLUE	
LED_SEG19 (PWM)	HOTCUE_R RED	ROLL_R RED		HOTCUE_R RED	ROLL_R RED	
LED_SEG20 (PWM)	HOTCUE_R GREEN	ROLL_R GREEN		HOTCUE_R GREEN	ROLL_R GREEN	
LED_SEG21 (PWM)	HOTCUE_R BLUE	ROLL_R BLUE		HOTCUE_R BLUE	ROLL_R BLUE	
LED_SEG22 (PWM)	SLICER_L RED	SAMPLER_L RED		SLICER_L RED	SAMPLER_L RED	
LED_SEG23 (PWM)	SLICER_L GREEN	SAMPLER_L GREEN		SLICER_L GREEN	SAMPLER_L GREEN	
LED_SEG24 (PWM)	SLICER_L BLUE	SAMPLER_L BLUE		SLICER_L BLUE	SAMPLER_L BLUE	
LED_SEG25 (PWM)	HOTCUE_L RED	ROLL_L RED		HOTCUE_L RED	ROLL_L RED	
LED_SEG26 (PWM)	HOTCUE_L GREEN	ROLL_L GREEN		HOTCUE_L GREEN	ROLL_L GREEN	
LED_SEG27 (PWM)	HOTCUE_L BLUE	ROLL_L BLUE		HOTCUE_L BLUE	ROLL_L BLUE	

• M16 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
LED_SEG0	GRID ADJUST_L	DECK 1		FX PARAM3_L	FX PARAM2_L	AREA_L
LED_SEG1	GRID SLIDE_L	DECK 3		TAP_L	FX PARAM1_L	BACK_L
LED_SEG2	SYNC_L	CUE_L	PLAY_L	CENSOR_L	SLIP_L	TEMPO RANGE_L
LED_SEG3	MIC	USB_LEFT	USB_RIGHT			Master_CUE
LED_SEG4	USBA_LEFT	CH3_FX AS1	CH1_FX AS1	CH2_FX AS1	CH4_FX AS1	USBA_RIGHT
LED_SEG5	USBB_LEFT	CH3_FX AS2	CH1_FX AS2	CH2_FX AS2	CH4_FX AS2	USBB_RIGHT
LED_SEG6 (PWM possibility)	CH3_LV_1	CH1_LV_1	CH2_LV_1	CH4_LV_1	MasL_LV_1	MasR_LV_1
LED_SEG7 (PWM possibility)	CH3_LV_2	CH1_LV_2	CH2_LV_2	CH4_LV_2	MasL_LV_2	MasR_LV_2
LED_SEG8 (PWM possibility)	CH3_LV_3	CH1_LV_3	CH2_LV_3	CH4_LV_3	MasL_LV_3	MasR_LV_3
LED_SEG9	CH3_LV_4	CH1_LV_4	CH2_LV_4	CH4_LV_4	MasL_LV_4	MasR_LV_4
LED_SEG10	CH3_LV_5	CH1_LV_5	CH2_LV_5	CH4_LV_5	MasL_LV_5	MasR_LV_5
LED_SEG11	CH3_LV_6	CH1_LV_6	CH2_LV_6	CH4_LV_6	MasL_LV_6	MasR_LV_6
LED_SEG12	CH3_LV_7	CH1_LV_7	CH2_LV_7	CH4_LV_7	MasL_LV_7	MasR_LV_7
LED_SEG13	GRID ADJUST_R	DECK 2		FX PARAM3_R	FX PARAM2_R	AREA_R
LED_SEG14	GRID SLIDE_R	DECK 4		TAP_R	FX PARAM1_R	BACK_R
LED_SEG15	SYNC_R	CUE_R	PLAY_R	CENSOR_R	SLIP_R	TEMPO RANGE_R
LED_SEG16	CH3_LV_8	CH1_LV_8	CH2_LV_8	CH4_LV_8	MasL_LV_8	MasR_LV_8
LED_SEG17	CH3_LV_9	CH1_LV_9	CH2_LV_9	CH4_LV_9	MasL_LV_9	MasR_LV_9
LED_SEG18	CH3_LV_10	CH1_LV_10	CH2_LV_10	CH4_LV_10	MasL_LV_10	MasR_LV_10

KEY assignment

• SH1 Independently

CENSOR_L	CUE_L	PLAY_L
----------	-------	--------

• SH1 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
KEY_SEG0	HOTCUE_L	ROLL_L	SLICER_L	SAMPLER_L	L-HALF_L	L-DOUBLE_L
KEY_SEG1	AUTOLOOP_L	PARAMR_L	L-IN_L		PARAML_L	L-OUT_L
KEY_SEG2	CH3_CUE	CH1_CUE	CH2_CUE	CH4_CUE	TRFX1	TRFX2
KEY_SEG3	SCFX1	SCFX2	SCFX3	SCFX4	TRFX3	TRFX4
KEY_SEG4	CF ASSIGN CH3	CF ASSIGN CH1	CF ASSIGN CH2	CF ASSIGN CH4	OSC_ASSIGN	
KEY_SEG5	CF ASSIGN CH3	CF ASSIGN CH1	CF ASSIGN CH2	CF ASSIGN CH4	OSC_ASSIGN	

• SH2 Independently

CENSOR_R	CUE_R	PLAY_R
----------	-------	--------

• SH2 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
KEY_SEG0	HOTCUE_R	ROLL_R	SLICER_R	SAMPLER_R	L-HALF_R	L-DOUBLE_R
KEY_SEG1	AUTOLOOP_R	PARAMR_R	L-IN_R		PARAML_R	L-OUT_R

• M16 Independently

PANEL			
FX BEATS_L0	BROWSE_L0	FX BEATS_R0	BROWSE_R0
FX BEATS_L1	BROWSE_L1	FX BEATS_R1	BROWSE_R1

• M16 Matrix

	GRID0	GRID1	GRID2	GRID3	GRID4	GRID5
KEY_SEG0	GRID ADJUST_L	DECK 1		FX PARAM3_L	FX PARAM2_L	AREA_L
KEY_SEG1	GRID SLIDE_L	DECK 3		TAP_L	FX PARAM1_L	BACK_L
KEY_SEG2	SYNC_L	SHIFT_L	BROWSE_L_SW	FX BEATS_L_SW	SLIP_L	TEMPO RANGE_L
KEY_SEG3	MIC	CH3			CH4	Master_CUE
KEY_SEG4	MIC	CH3	CH1	CH2	CH4	
KEY_SEG5	GRID ADJUST_R	DECK 2		FX PARAM3_R	FX PARAM2_R	AREA_R
KEY_SEG6	GRID SLIDE_R	DECK 4		TAP_R	FX PARAM1_R	BACK_R
KEY_SEG7	SYNC_R	SHIFT_R	BROWSE_R_SW	FX BEATS_R_SW	SLIP_R	TEMPO RANGE_R
KEY_SEG8	USBA_LEFT	CH3_FX AS1	CH1_FX AS1	CH2_FX AS1	CH4_FX AS1	USBA_RIGHT
KEY_SEG9	USBB_LEFT	CH3_FX AS2	CH1_FX AS2	CH2_FX AS2	CH4_FX AS2	USBB_RIGHT

VR assignment

A

• SH1

Pin No.	Signal Name	Route	VR point
64 pin	SH1_AD0	Multiplexer SEL_AD_SH1	PAD_L5
			PAD_L6
65 pin	SH1_AD1		PAD_L7
			PAD_L8
66 pin	SH1_AD2		PAD_L1
			PAD_L2
67 pin	SH1_AD3		PAD_L3
			PAD_L4
69 pin	SH1_AD4	AD port direct	CROSS_FADER
71 pin	SH1_AD5	Multiplexer SEL_AD_SH1_0 SEL_AD_SH1_1	HP_VOL
			HP_MIX
			TFX_VOL
			TFX_LV

B

• SH2

Pin No.	Signal Name	Route	VR point	
64 pin	SH2_AD0	Multiplexer SEL_AD_SH2	PAD_R5	
			PAD_R6	
65 pin	SH2_AD1		PAD_R7	
			PAD_R8	
66 pin	SH2_AD2		PAD_R1	
			PAD_R2	
67 pin	SH2_AD3		PAD_R3	
			PAD_R4	
69 pin	SH2_AD4	Multiplexer SEL_AD_SH2	CH3_FD	
			CH1_FD	
71 pin	SH2_AD5		CH2_FD	
			CH4_FD	

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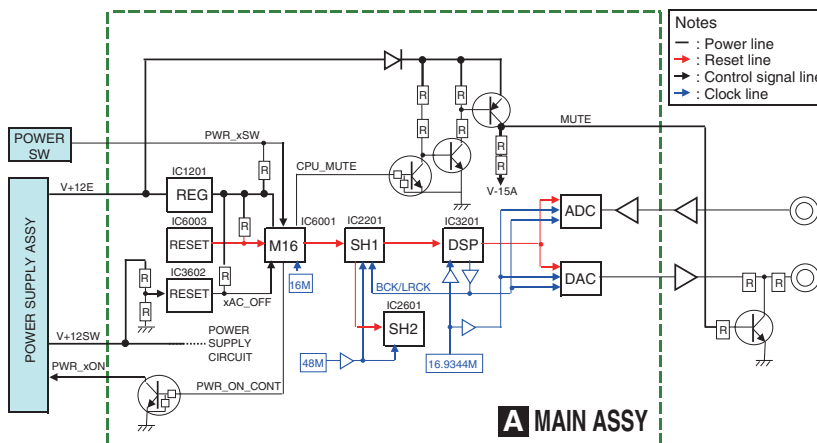
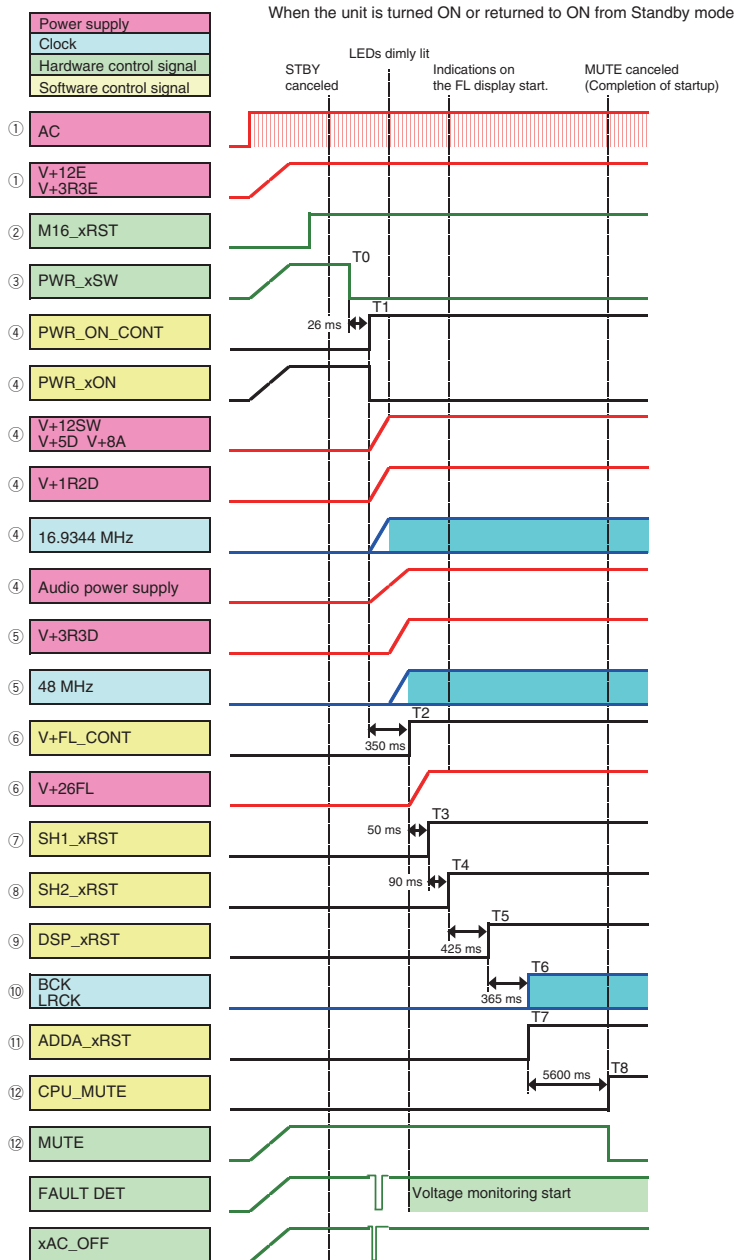
• M16

Pin No.	Signal Name	Route	VR point
81 pin	M16_AD9	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	TMP_ADIN_L
			TMP_ADCT_L
			TMP_ADIN_L
			TMP_ADCT_L
82 pin	M16_AD8		FX_VR1_L
			FX_VR2_L
			FX_VR3_L
			BRAKE_L
83 pin	M16_AD7	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	TMP_ADIN_R
			TMP_ADCT_R
			TMP_ADIN_R
			TMP_ADCT_R
84 pin	M16_AD6		FX_VR1_R
			FX_VR2_R
			FX_VR3_R
			BRAKE_R
85 pin	M16_CFXS	AD port direct	SAMPLER_COL
86 pin	M16_AD5	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MASTER_LV
			BOOTH
			CROSS_F.C
87 pin	M16_CFX3	AD port direct	COLOR3
88 pin	M16_AD4	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	SAMPLER_VOL
			MIC_HI
			MIC_MID
89 pin	M16_CFX1	AD port direct	COLOR1
90 pin	M16_AD3	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MID3
			HI3
			TRIM3
			LOW3
91 pin	M16_CFX2	AD port direct	COLOR2
92 pin	M16_AD2	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MID1
			LOW1
			HI1
			TRIM1
93 pin	M16_CFX4	AD port direct	COLOR4
94 pin	M16_AD1	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MID2
			HI2
			TRIM2
			LOW2
95 pin	M16_CFXT	AD port direct	TRANS_COL
97 pin	M16_AD0	Multiplexer SEL_AD_M16_0 SEL_AD_M16_1	MID4
			LOW4
			HI4
			TRIM4

5. DIAGNOSIS

5.1 POWER ON SEQUENCE

Power reset mute Timing chart



Power-on Sequence

- Plug the power cord in to start power supply. Supply of V+12E and V+3R3E power starts. Muting ON
- M16 microcomputer reset is canceled when the Reset IC voltage is detected. (Standby mode)
- The PWR_xSW signal changes from H to L when the Power switch is set to ON.
- Supply of V+12SW power starts when the PWR_ON_CONT signal changes from L to H (the PWR_xON signal changes from H to L). Power supply from each power IC, except for V+3R3D and V+26FL, starts.
- Supply of V+3R3D power is automatically triggered by supply of V+1R2D power. Oscillation at 48 MHz starts.
- Supply of V+26FL power starts when the V+FL_CONT signal changes from L to H.
- SH1 microcomputer reset is canceled when the SH1_xRST signal changes from L to H.
- SH2 microcomputer reset is canceled when the SH2_xRST signal changes from L to H.
- DSP reset is canceled when the DSP_xRST signal changes from L to H.
- Generation of the audio clock signals (BCK and LRCK) is started at DSP.
- ADC & DAC reset is canceled when the ADDA_xRST signal changes from L to H.
- Muting is canceled when the CPU_MUTE signal changes from L to H.

5.2 TROUBLESHOOTING

About descriptions of "Points to be checked: *, etc." in the flowcharts

Only the representative points to be checked are indicated as the points to be checked for the CH audio inputs and the operating elements on the left and right decks, which have the same function (circuits). Read the indicated points as the points corresponding to the part actually in failure.

List of problems

Startup-Related Problems

No power/Does not start up properly

Display-Related Problems

The LEDs do not light.

No or abnormal FL display indications

Operation-Related Problems

The buttons or slide switches do not function.

The rotary VRs, slide VRs, or pads do not function.

The rotary selectors do not function.

Jog dials not controllable

NEEDLE SEARCH not controllable

Audio-Related Problems

No audio signals from the CH audio input connectors are available.

No audio signals from the MIC connectors are available.

No audio signals are output from the MASTER 1/ MASTER 2 connectors.

No audio signals are output from the BOOTH connector.

No audio signals are output from the PHONES connectors.

No audio signals are input/output via the USB connectors.

PC-Connection-Related Problems

The DDJ-SZ is not recognized by a PC.

The Firmware cannot be updated.

Startup-Related Problems

No power/Does not start up properly (*)

**"Does not start up properly" means a status where no operating elements function and no audio signals are output.

Are the PANEL buttons flashing and other LEDs unlit? (See "5.4 VOLTAGE MONITORING CIRCUIT.")

No

Is the V+12E voltage normal?
[Point to be checked: ②]

No

MAIN Assy (P1201 was cutoff), or POWER SUPPLY Assy is defective.

Yes

(Failure of power whose voltage is being monitored)
The power IC for abnormal power and its peripheral circuits or the circuits that use the power in question are in failure.

Does the PWR_xSW signal become HI or LOW in conjunction with the Power switch?
[Point to be checked: ⑥5]

No

IC1201, IC6001, IC6003 or its peripheral circuit may be defective. Or PSWB Assy is defective.

Yes

Is the V+12SW voltage normal?
[Point to be checked: ①]

No

MAIN Assy or POWER SUPPLY Assy is defective.

Yes

Are each voltages normal?
(See "10.38 VOLTAGES".)

No

Each power ICs or its peripheral circuit may be defective.

Yes

Is the SH1_xRST signal HI?
[Point to be checked: ⑩]

No

IC6001 or its peripheral circuit may be defective.

Yes

Is the SH2_xRST signal HI?
[Point to be checked: ⑩]

No

IC2201, IC3001, X3001 or its peripheral circuit may be defective.

Yes

Is the DSP_xRST signal HI?
[Point to be checked: ⑩]

No

IC2601 or its peripheral circuit may be defective. Or CDCL and CDCR Assemblies are defective.

Yes

Is the CPU_MUTE signal HI?
[Point to be checked: ③3]

No

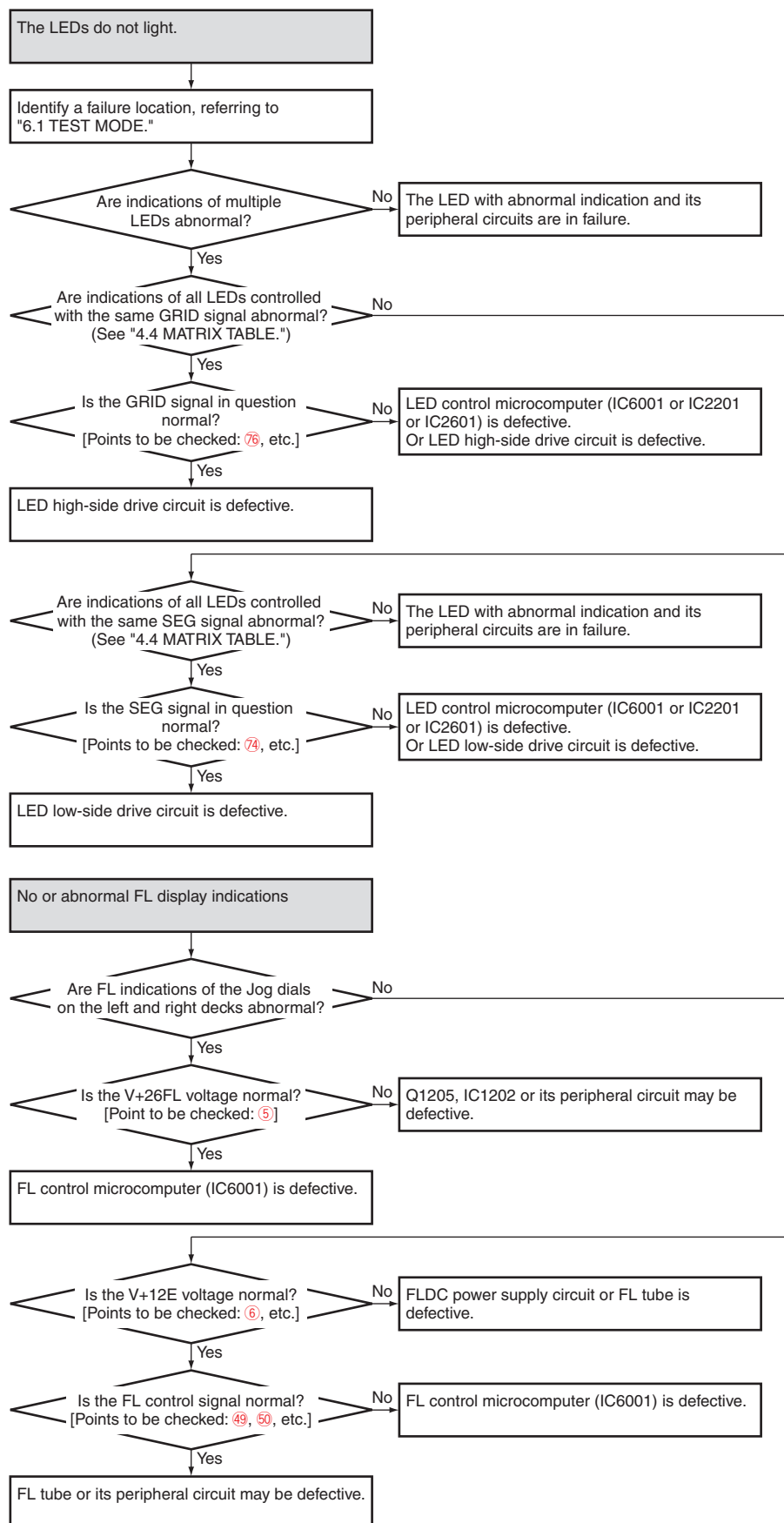
IC3201, IC3405, X3401 or its peripheral circuit may be defective.

Yes

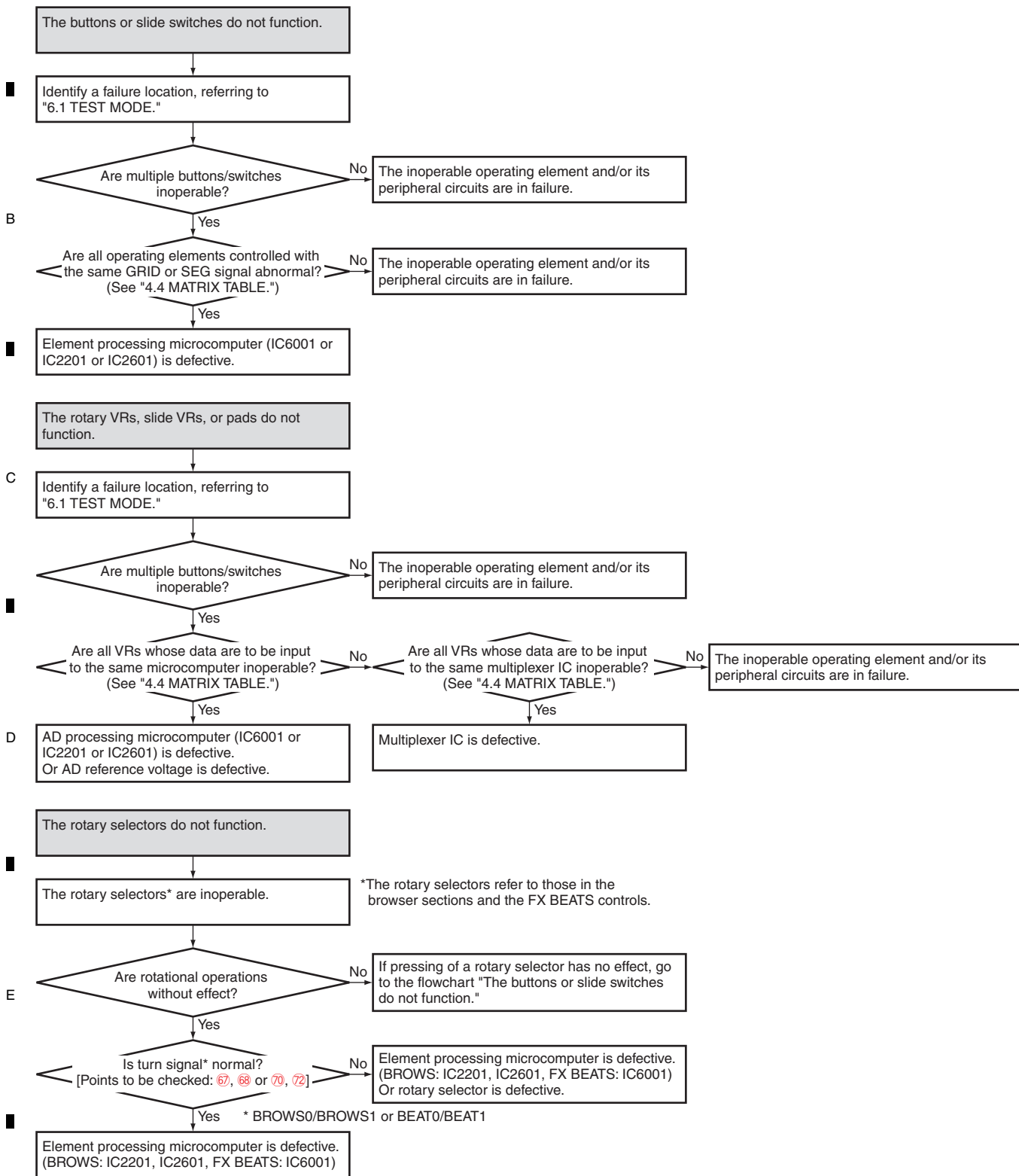
A circuit related to display is in failure.
(Go to the flowchart "Display-Related Problems")

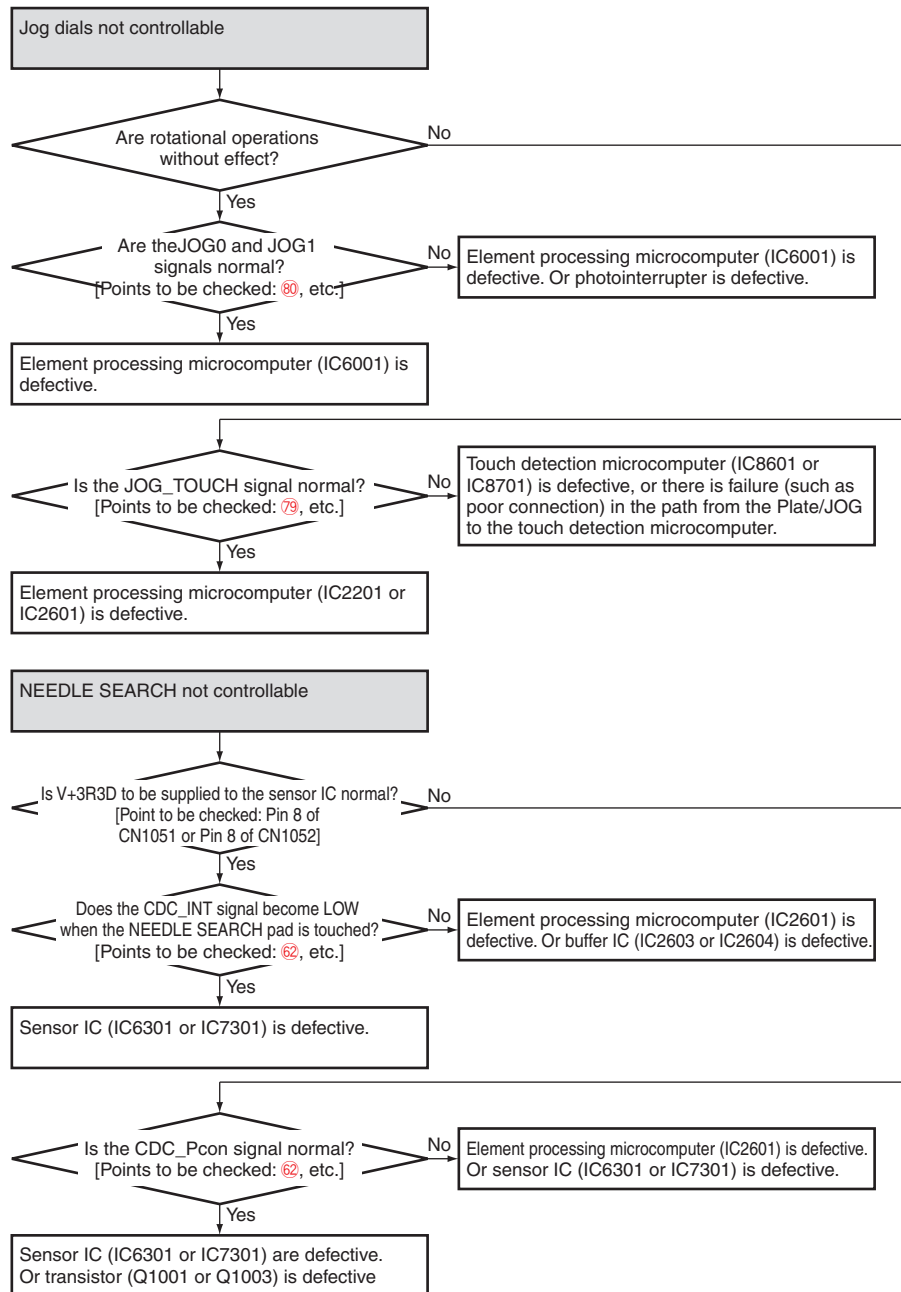
DDJ-SZ

Display-Related Problems



A Operation-Related Problems





A Audio-Related Problems

[Prior Confirmation]

① Distinguishing in which section, input or output, a failure point is located

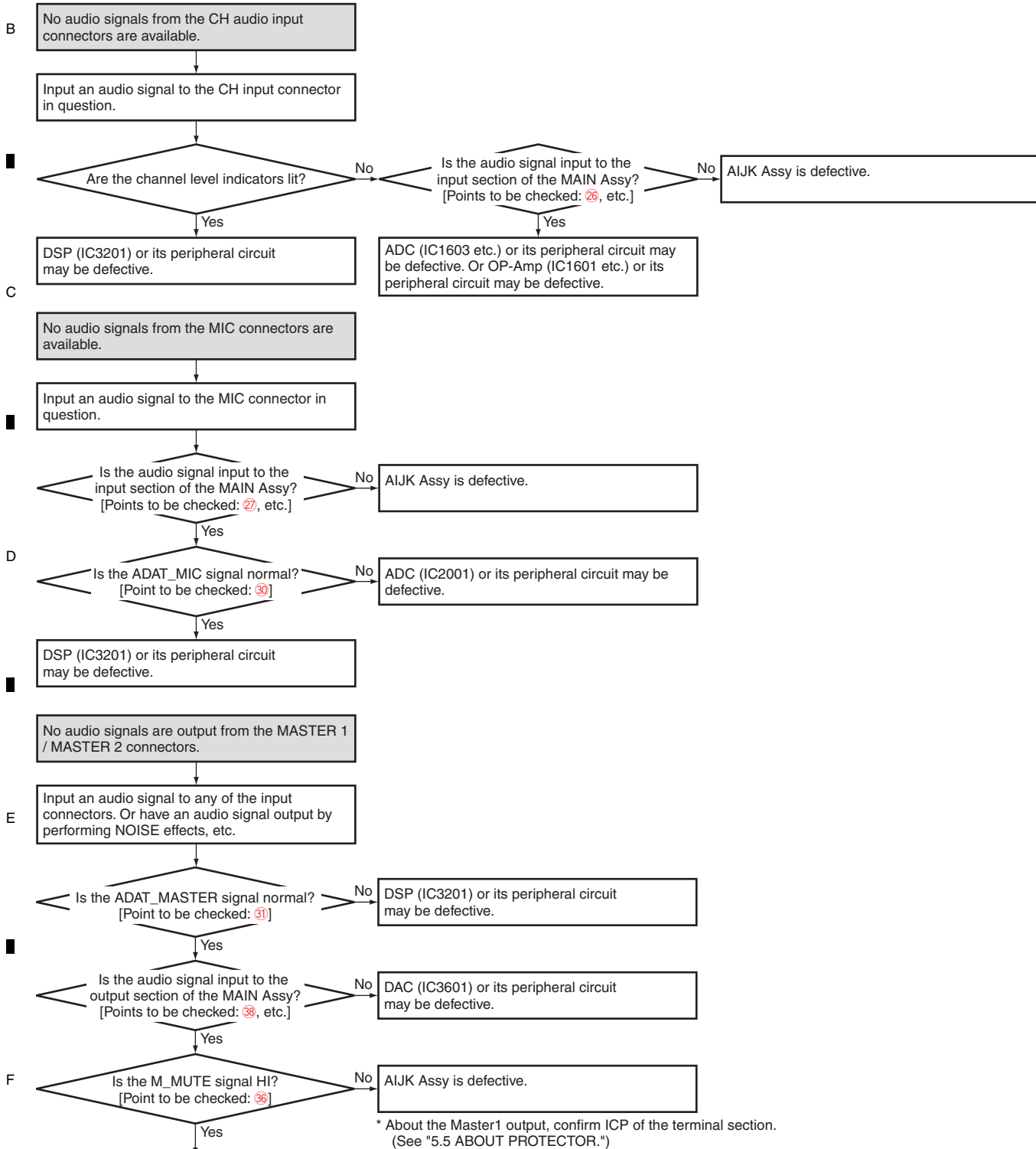
Identify in which section, input or output, a failure point is located, referring to "5.3 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL."

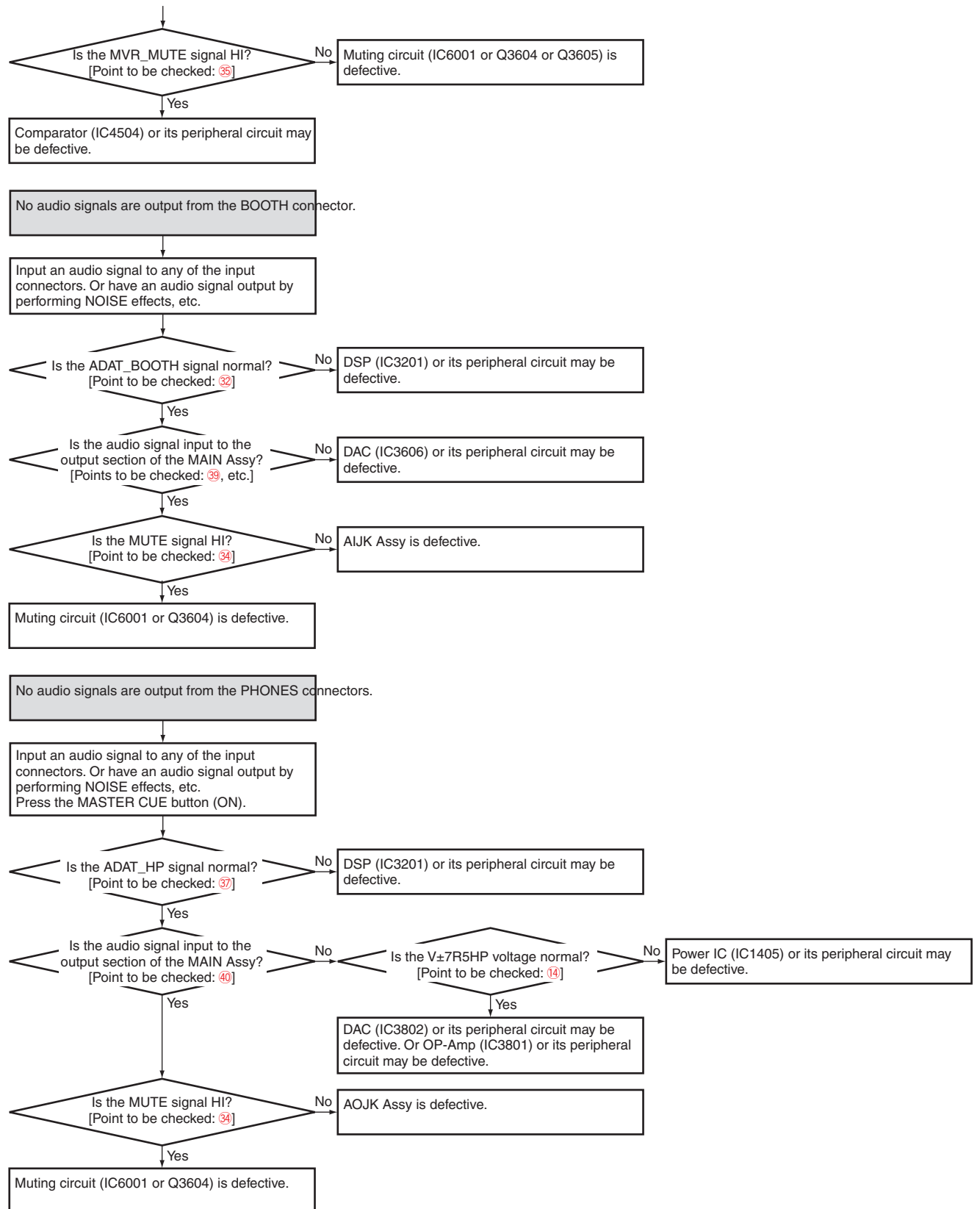
Note: If no inputs or outputs are available, audio-system power, the audio-system clock, or DSP or its peripheral circuits may be in failure.

② Check that the displays and operations are normal.

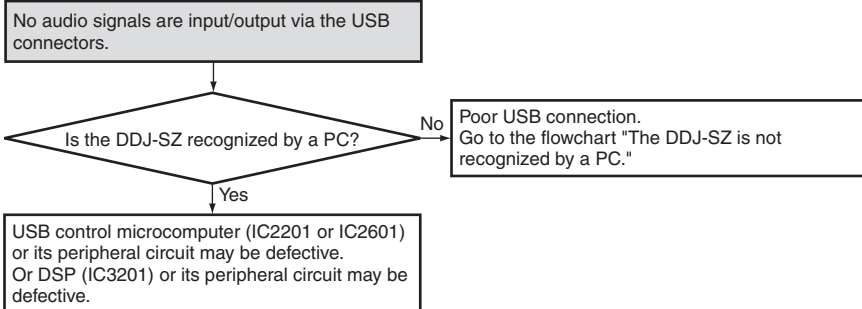
Check that the displays and operating elements function properly, referring to "6.1 TEST MODE."

If there is any problem, repair the defective part. (See the flowcharts "Display-Related Problems" and "Operation-Related Problems.")





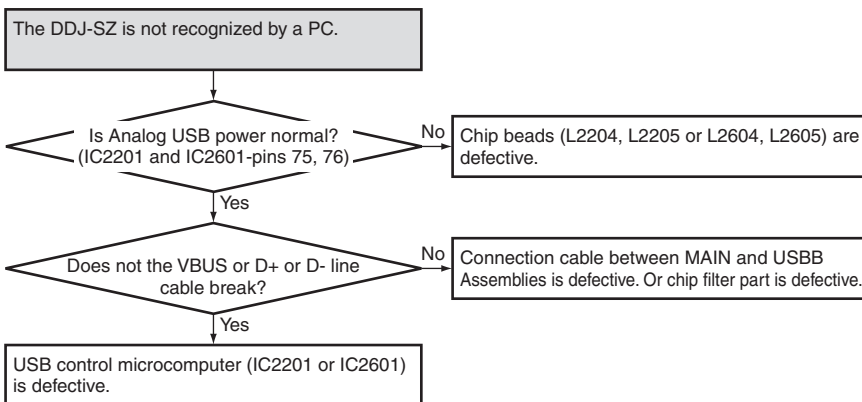
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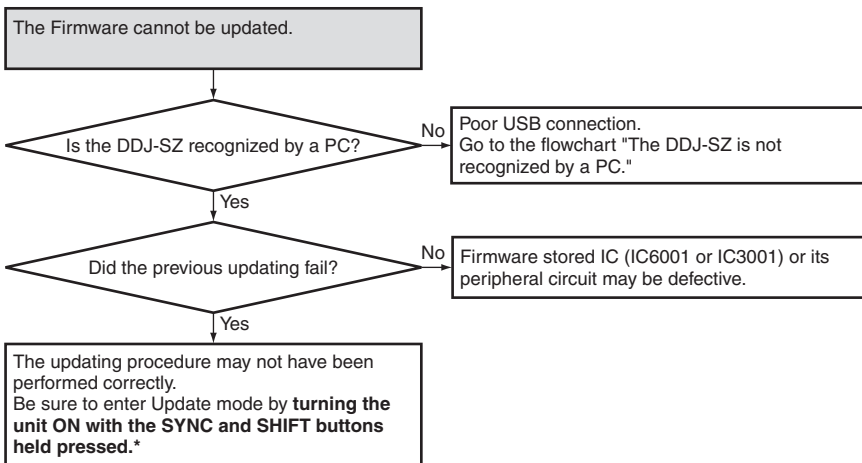
B

PC-Connection-Related Problems

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*If the unit is turned ON by pressing the Power button after updating failed, although the unit apparently starts in Update mode, the updating procedure from such a state will definitely fail.

F

5.3 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL

Simplified diagnostics for the audio signal blocks are possible, using the NOISE effect functions of this unit, as shown below.

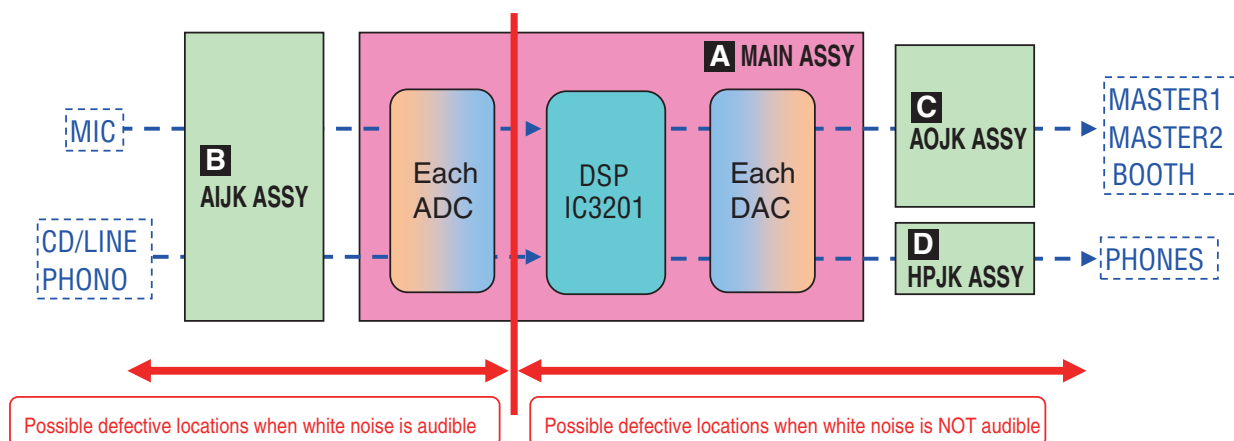
Diagnostic procedure

- ① In Test mode, check if any button, switch, VR, or LED functions improperly. (See "6.1 TEST MODE.")
If there is any problem, repair the defective part. (See "5.2 TROUBLESHOOTING.")
- ② Check that white noise is output, using the NOISE effect function.

- For details on how to use the NOISE effect function, refer to the operating instructions.
- Make sure that no VR that adjusts audio volume is set to its $-\infty$ position.
- To check the PHONES output signal, be sure to set the MASTER CUE button to ON.

If white noise is audible: The blocks prior to the DSP can be deemed as being in failure.

If white noise is NOT audible: The DSP circuit and blocks subsequent to the DSP can be deemed as being in failure.



This diagnostic method is applicable to other DJ products equipped with an SG such as the NOISE effect generator.

- A control having the same function may have another name, depending on the model.

5.4 VOLTAGE MONITORING CIRCUIT

Voltage-Monitoring Circuit

This unit monitors the voltages of the main power-supply ICs, using the FAULT_DET signal.

The FAULT_DET signal level is high (+3.3 V) during normal operations. When the level becomes low (0 V), detect abnormality in the M16 UCOM (IC6001).

Product behavior when an error is generated

If power failure is detected with the FAULT_DET signal, the M16 UCOM will stop supplying the V+12SW power from POWER SUPPLY Assy, setting the PWR_ON_CONT signal to low.

The M16 UCOM also informs of power failure with flashing of the PANEL button, by sending the STBY_LED signal:

Flashing intervals: 250 ms (lit for 125 ms/unlit for 125 ms)

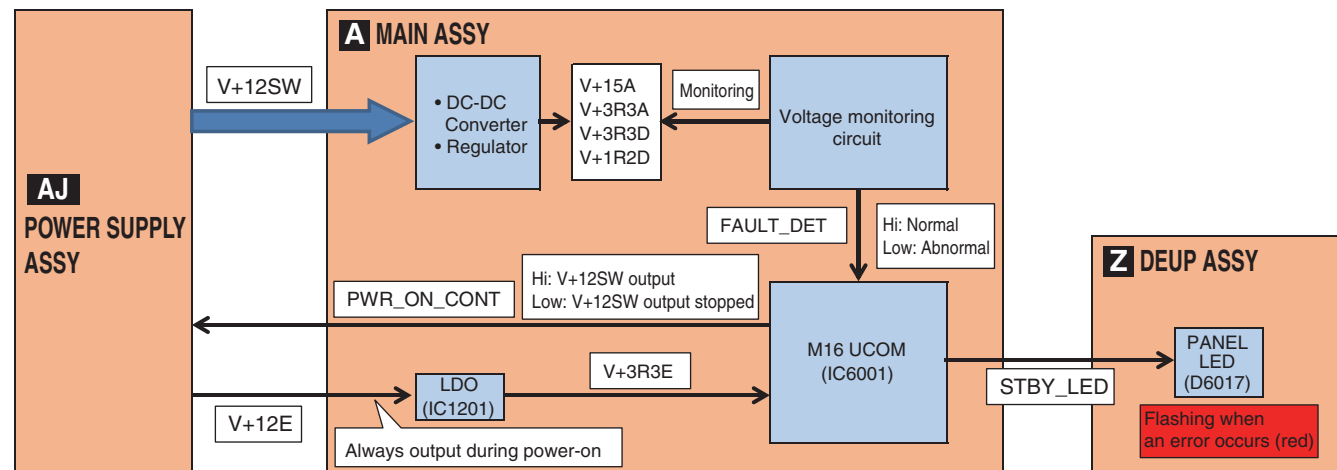
As the V+12SW power is stopped, the indications other than the PANEL LED are unlit and all the switches and VRs are disabled.

Diagnostic procedure

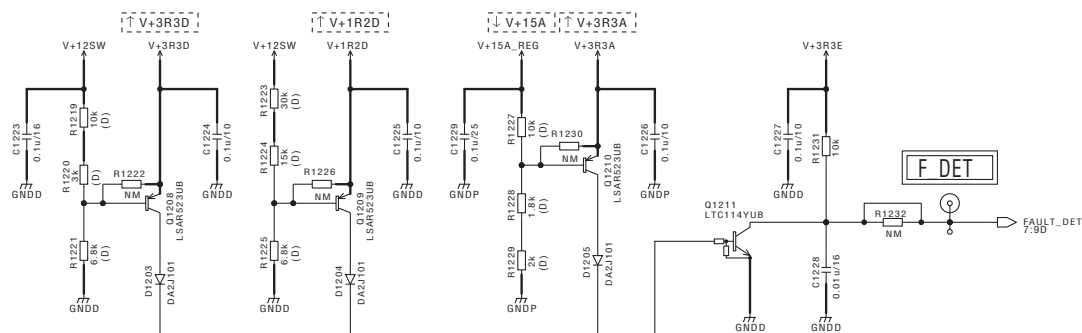
If any voltage is abnormal, that error will be detected by the voltage-monitoring program after it is started after a usual startup of the unit. Then the V+12SW power from POWER SUPPLY Assy will be stopped. For this reason, power will be supplied for about 1 sec after startup.

Identify which power-supply IC is defective, by turning the unit OFF then back ON while monitoring each voltage with an oscilloscope. Check the value of each voltage immediately before stopping power supply.

Note: Each time before turning the unit ON, make sure that each power-supply IC is not short-circuited to GND.



VOLTAGE DETECTION CIRCUIT



Voltage value of the voltage-monitoring section

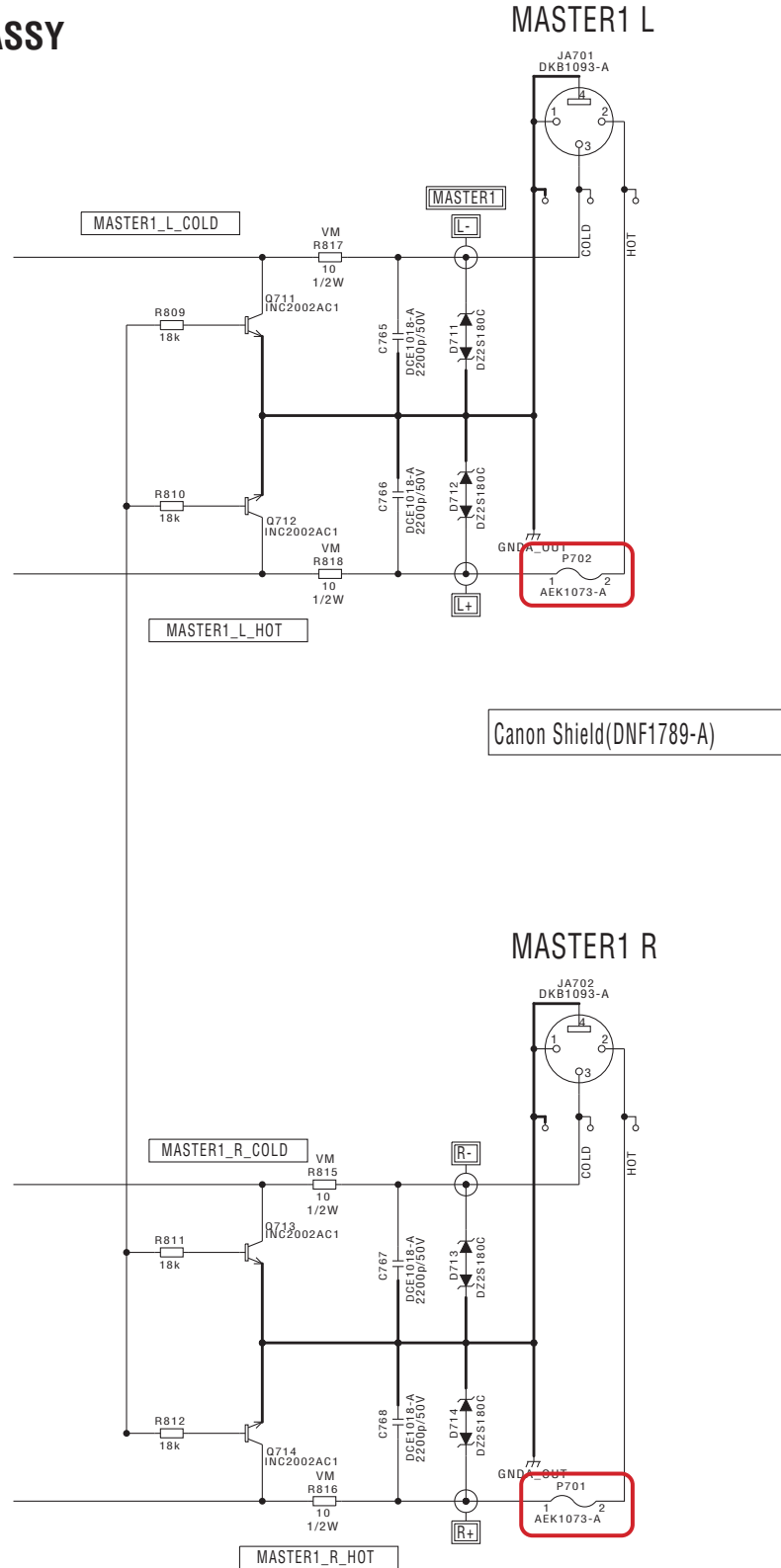
Power	Over voltage / Under voltage	Threshold		Cause of error detection
		Detection range in consideration of variations	Center value	
V+15A	-	8.89 V to 10.42 V	9.81 V	Short-circuiting at GND or different power supply
V+3R3A	+	4.37 V to 5.16 V	4.73 V	Short-circuiting at IC1406 IN/OUT or different power supply
V+3R3D	+	4.13 V to 5.39 V	4.72 V	Short-circuiting at IC1206 IN/OUT or different power supply
V+1R2D	+	1.83 V to 2.49 V	2.10 V	Short-circuiting at IC1203 IN/OUT or different power supply

5.5 ABOUT PROTECTOR

This unit uses ICPs (IC protectors) in MASTER1 output circuit.

If the specified signal from the MASTER 1 connectors (XLR) is not properly output, check if any ICP is activated.

C AOJK ASSY



5.6 BASIC OPERATION CHECK USING SERATO DJ

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[Installation of Serato DJ]

A brief explanation of how to install Serato DJ on a PC is given below. For details, refer to the operating instructions (Basic Edition) of the software.
Install the driver software that enables audio output from the PC beforehand.
The operating environment of the PC required for installation of Serato DJ is shown below.

■

Minimum operating environment

Supported operating systems		CPU and required memory	Others	
Mac OS X: 10.9, 10.8, 10.7 and 10.6	32-bit version	Intel® processor, Core™ i3, i5 and i7 1.07 GHz or better, Intel® processor, Core™ 2 Duo 2.0 GHz or better	Optical drive	Optical disc drive on which the CD-ROM can be read
	64-bit version	2 GB or more of RAM	USB port	A USB 2.0 port is required to connect the computer with this unit.
Windows: Windows 7	32-bit version	Intel® processor, Core™ i3, i5 and i7 1.07 GHz or better, Intel® processor, Core™ 2 Duo 2.0 GHz or better	Display resolution	Resolution of 1 280 x 720 or greater
	64-bit version	2 GB or more of RAM	Internet connection	An Internet connection is required for registering the "Serato.com" user account and downloading the software.

- C
- For the latest information on the required operating environment and compatibility as well as to acquire the latest operating system, refer to "Software Info" under "DDJ-SZ" on the Pioneer DJ support site below.
<http://pioneerdj.com/support/>
 - Operating System support assumes you are using the latest point release for that version.

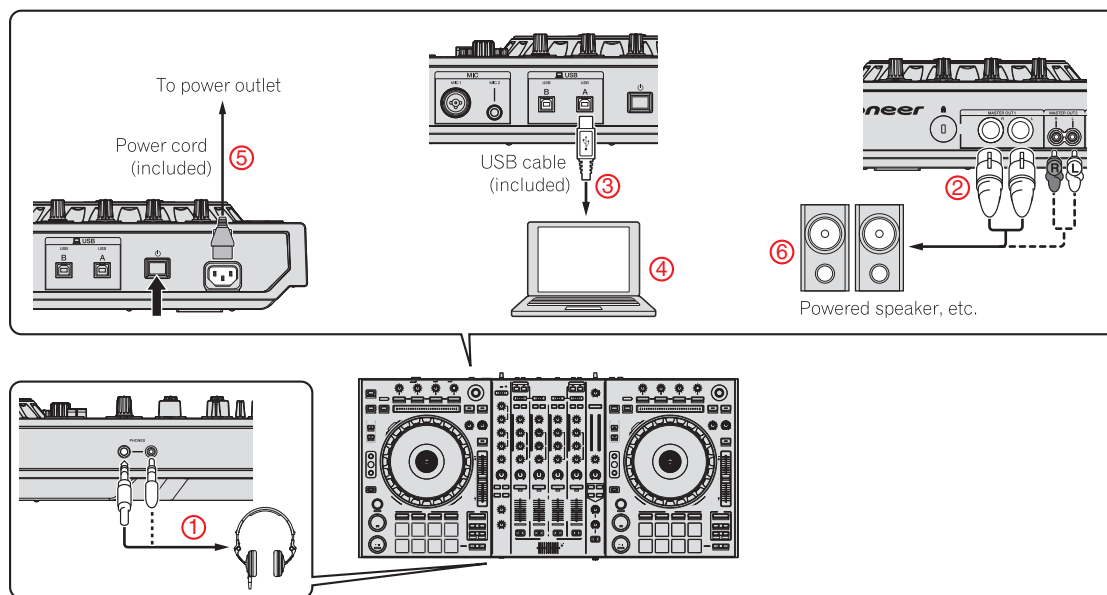
For the latest version of the Serato DJ software, access Serato.com and download the software from there.
For downloading, registration of a user account at "Serato.com" is required.
Unzip the downloaded file, then double-click the unzipped file to launch the installer.

Windows
Read the terms of the license agreement carefully, and if you agree, select [I agree to the license terms and conditions], then click [Install].
After installation is completed, the Installation Completed screen will be displayed. Click on [Close] to terminate the Serato DJ Intro installer.

Mac OS X
If you consent to the provisions of the Software end user license agreement, click [Agree].
If the following screen appears, drag and drop the [Serato DJ] icon on the [Applications] folder icon.



[Connections]



[Operating procedures]

- ① Connect headphones to one of the **[PHONES]** terminals.
- ② Connect such devices as a power amplifier, powered speakers, etc., to the **[MASTER OUT 1]** or **[MASTER OUT 2]** terminals.
- ③ Connect this unit to your computer via a **USB cable**.
- ④ Turn on the computer's power.
- ⑤ Press the **[⏻]** switch on this unit's rear panel to turn this unit's power on.
- ⑥ Turn on the power of the **devices** connected to the output terminals (**power amplifier, powered speakers, etc.**).

Starting the system

Launching Serato DJ

For Windows

From the Windows [Start] menu, click the [Serato DJ] icon under [All Programs] → [Serato] → [DJ Intro].

For Mac OS X

In Finder, open the [Applications] folder, then click the [Serato DJ] icon.

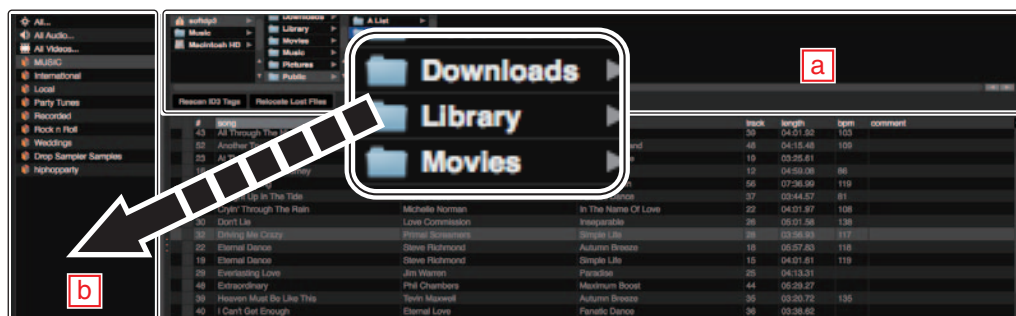
The **[ACTIVATE/BUY Serato DJ]** icon may appear on the right side of the screen that is displayed when Serato DJ is launched the first time, but

there is no need to activate or purchase a license for those using DDJ-SZ.

Check **[DO NOT SHOW AGAIN]** at the bottom right of the screen, then click **[License]** and continue to use Serato DJ as such.

Importing tracks

- ① Click the **[Files]** key on the Serato DJ software screen to open the **[Files]** panel.
- ② Click the folder on the **[Files]** panel containing the tracks you want to add to the library to select it.
- ③ On the Serato DJ software screen, drag and drop the selected folder to the crates panel.

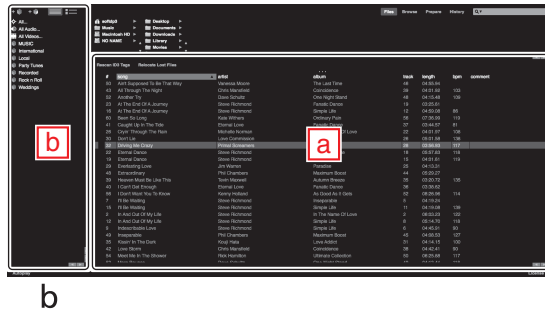
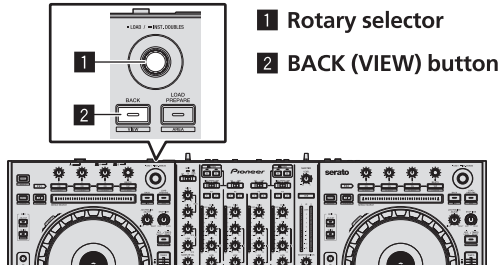


a : [Files] panel

b : Crates panel

A Loading tracks and playing them

- Press this unit's [BACK (VIEW)] button, move the cursor to the crates panel on the computer's screen, then turn the rotary selector to select the crate, etc.
- Press the rotary selector, move the cursor to the library on the computer's screen, then turn the rotary selector and select the track.
- Press the [DECK1] button.
- Press the rotary selector to load the selected track onto the deck.



Playing tracks and outputting the sound

- Set the positions of the controls, etc., as shown below.

Names of controls, etc.	Position
MASTER LEVEL control	1 Turned fully counterclockwise
CD, USB selector switch	2 [USB] position
TRIM control	3 Turned fully counterclockwise
ISO (HI, MID, LOW) controls	4 Center
Channel fader	5 Moved forward
Crossfader assign selector switch	6 [THRU] position

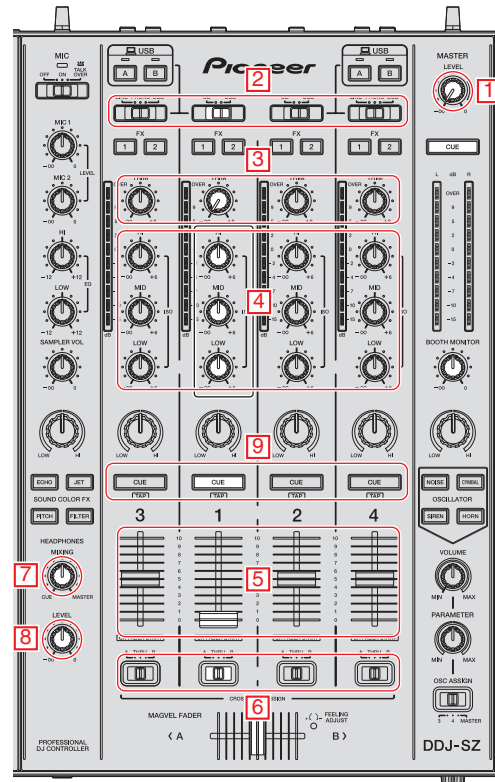
- Press the [▶/||] button to play the track.
- Move the channel fader (5) away from you.
- Turn the [TRIM] (3) control.
Adjust [TRIM] (3) so that the orange indicator on the channel level indicator lights at the peak level.
- Turn the [MASTER LEVEL] (1) control to adjust the audio level of the speakers.

Monitoring sound with headphones

Set the positions of the controls, etc., as shown below.

Names of controls, etc.	Position
HEADPHONES MIXING control	7 Center
HEADPHONES LEVEL control	8 Turned fully counterclockwise

- Press the headphones [CUE] (9) button for the channel 1.
- Turn the [HEADPHONES LEVEL] (8) control.
Adjust the sound level output from the headphones to an appropriate level.



1. Description of Test Modes

The Following test modes are provided for this unit:

- ① Test Mode

①-1: Version indication mode

①-2: Elements check mode

①-3: Factory reset mode

①-4: Crossfader calibration mode

①-5: PAD calibration mode

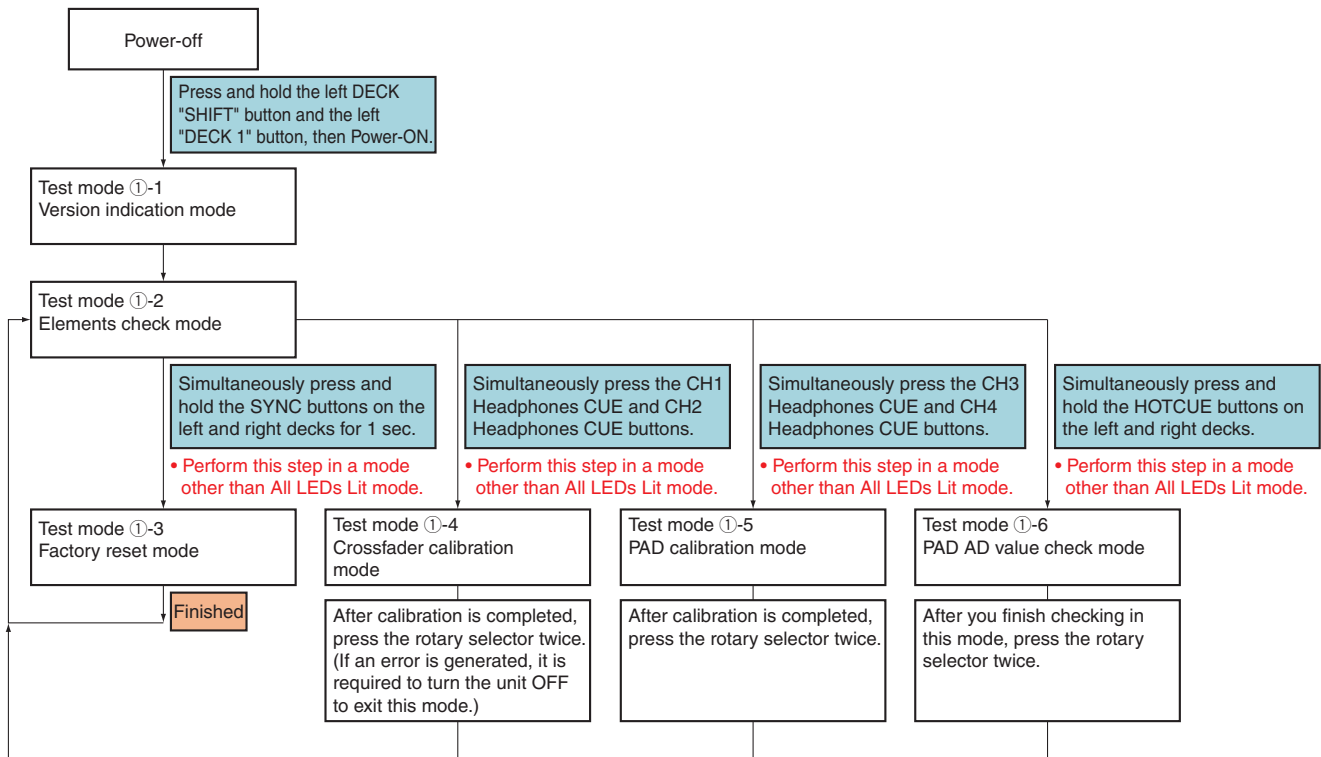
①-6: PAD AD value check mode
- ② Measurement Mode

②-1: Jog dial Rotation Time measurement mode

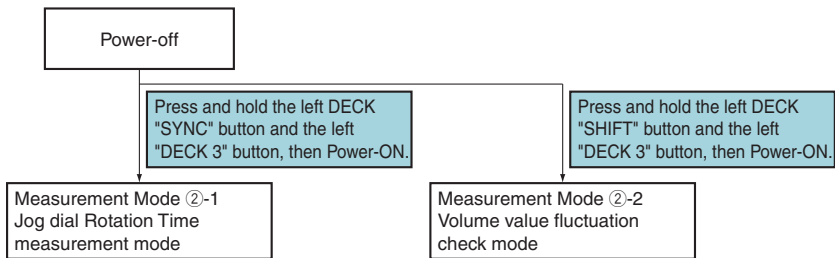
②-2: Volume value fluctuation check mode

2. How to Enter Test Mode

[How to Enter Test Mode]



[How to Enter Measurement Mode]

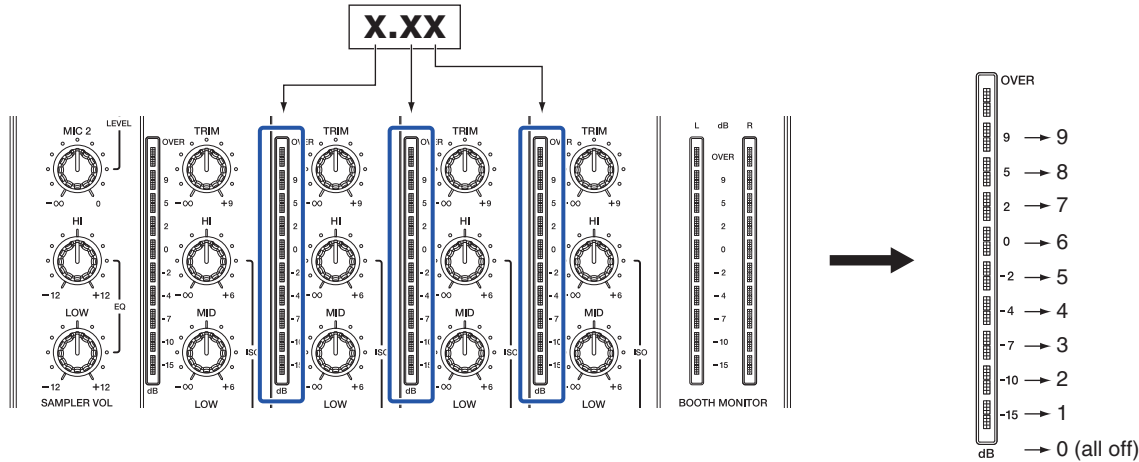


3. Description of Test Mode

①-1: Version indication mode

This mode is for confirming the version of the firmware, using the channel level indicators for CH1, CH2, and CH4. The figure zero is represented with all LEDs of a channel level indicator unlit, and the figure increases by one as the number of LEDs increases.

The version numbers 0.00 to 9.99 will be indicated.



①-2: Elements check mode

This mode is for confirming operation of all operating elements located on the upper and front panels.

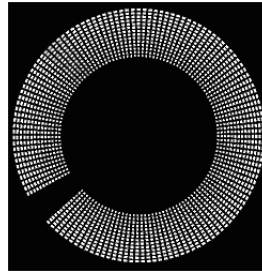
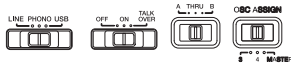
As data on the following operating elements are not controlled by the microcomputer, their operation cannot be checked in this mode.

- JOG FEELING ADJUST control (L, R)
- MIC1 control, MIC2 control

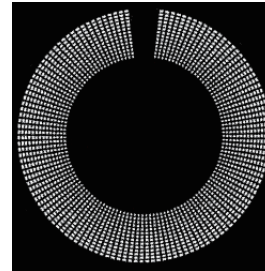
Element type	UI Part Name	Trigger	LED to check
Push switches (with LED)	—	Press	Own LED
Push switches (without LED)	Rotary selector (L, R)	Press	All LED and Jog dial display section
	FX BEATS control (L, R)	Press	Jog dial ring (blue ⇒ white ⇒ unlit)
	SHIFT button (L, R)	Press	USB connection indicator (umber)
	Jog dial (TOUCH)	Press	Jog dial cente FL VINYL out side lit
Slide switch	LINE, PHONO, USB selector switch	Slide	Jog dial cente FL TYPE-A (*1)
	OFF, ON, MIC TALK OVER selector switch	Slide	Jog dial cente FL TYPE-A (*1) Takeover indicator
	Crossfader assign selector switch	Slide	Jog dial cente FL TYPE-A (*1)
	OSC ASSIGN selector switch	Slide	Jog dial cente FL TYPE-A (*1)
Jog dial (TURN), Effect parameter 1, 2, 3 controls (L, R) STOP TIME control (L, R)	—	Turn	Jog dial cente FL TYPE-B (*2)
NEEDLE SEARCH pad, TEMPO slider	—	Slide	Jog dial cente FL TYPE-B (*2)
FX BEATS control, Rotary selector	—	Turn	Jog dial cente FL TYPE-C (*3)
Channel fader, TRIM control, ISO (HI, MID, LOW) control, COLOR control	—	—	Each channel level indicator (*4)
SAMPLER VOL control, SAMPLER, MIC COLOR control, HEADPHONES MIXING control, HEADPHONES LEVEL control, Crossfader	—	—	Master level indicator (L) (*4)
MASTER LEVEL control, BOOTH MONITOR control, OSCILLATOR PARAMETER control, OSCILLATOR VOLUME control, CROSS FADER CURVE control,	—	—	Master level indicator (R) (*4)
Performance pads, PAD mode (*5)	—	Press	Own LED

(*1) TYPE-A (Jog dial center FL)

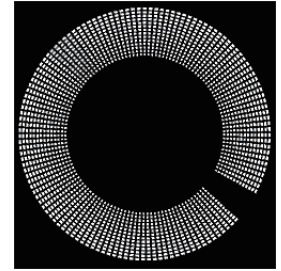
For the selectors shown below, the selected positions will be represented with the indications of the Jog dial center FL, as shown below. The starting position depends on the last position.



Left



Center

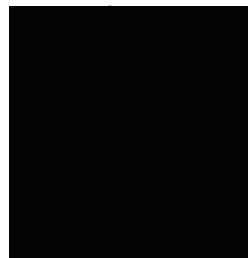


Right

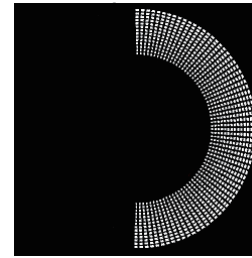
(This indication is not available for a 2-position selector.)

(*2) TYPE-B (Jog dial center FL)

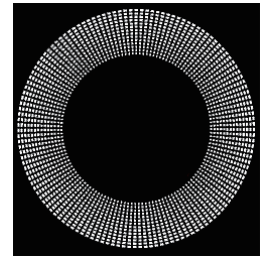
For the operating elements shown below, the selected positions will be represented with the lighting area of the Jog dial center FL; the minimum level is represented by no segments lit and the maximum level by all segments lit.



MIN
(No segments lit)



Center

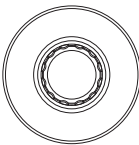


MAX

(*3) TYPE-C (Jog dial center FL)

For the operating elements shown below, the selected positions will be represented with the lighting area (in red) of the Jog dial center FL; the minimum level is represented by no segments lit and the maximum level by all segments lit.

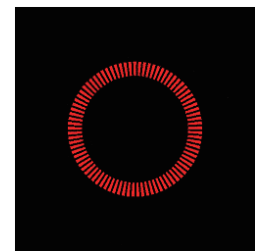
• LOAD / •• INST. DOUBLES



MIN
(No segments lit)



Center

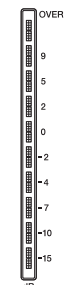


MAX

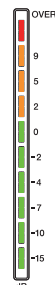
(*4) Each channel level indicator, Master level indicator

For channel faders, crossfaders, and controls, the selected positions will be represented with the lighting of the LEDs at 11 levels; the minimum level is represented by no LEDs lit and the maximum level by all LEDs lit.

Each operating element on decks 1 to 4 is represented by the corresponding channel level indicator; for a CH1 operating element, the CH1 channel level indicator is used, for a CH2 operating element, the CH2 channel level indicator is used, and so on.



MIN



MAX

A (*5) Performance pads, PAD mode

A performance pad is provided with LEDs of three different colors.
There are two confirmation methods for the performance pads.

① Simultaneous confirmation of all LEDs of the performance pads

When a PAD MODE button indicated below is pressed in All LEDs Lit mode with the BROWSE SW set to on, LEDs of three different colors of the performance pads can be checked.

PAD MODE (HOT CUE) on: All PAD MODE buttons and pads are lit in blue.

PAD MODE (ROLL) on: All PAD MODE buttons and pads are lit in red.

PAD MODE (SLICER) on: All PAD MODE buttons and pads are lit in green.

PAD MODE (SAMPLER) on: All PAD MODE buttons and pads are lit in **white (red, blue, and green LEDs light simultaneously)**.

B ② Lighting check of individual LEDs of the performance pads

If any of the performance pads is pressed repeatedly in any mode other than All LEDs Lit mode, the color of the pad changes cyclically, as indicated below.

Unlit, red, green, blue, unlit, and so on.

①-3: Factory reset mode

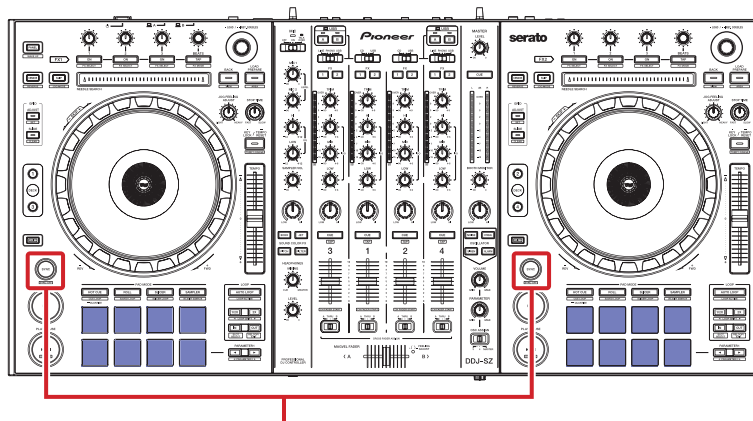
In Test mode (①-2: Elements Check mode), the settings indicated in the table below can be reset to the factory default values if the SYNC buttons on the left and right decks are simultaneously held pressed for 1 sec.

Setting item	Factory default value
MIDI MODE	AUTO
Fader Start	Without SYNC ON
MASTER ATT.	0 dB
SLIPMODE FLASHING	MODE1
STANDBY	ON
DEMO MODE	ON (10 min)
Velocity curve setting	3
AFTER TOUCH	OFF
Transmission interval of MIDI messages for the Jog dial	4 ms
NEEDLE lock setting	OFF
Crossfader cut lag setting	6
MIC TALK OVER mode setting	ADVANCED
TALK OVER level setting	-18 dB
Mic Output To Booth Monitor	ON
PEAK LIMITER	ON
JOG RING BRIGHTNESS	2 (Lit brightly)

When the SYNC buttons on the left and right decks are simultaneously held pressed, the LEDs of these buttons light.

After resetting is completed, the pads on both decks light in blue.

When resetting has failed, the SYNC buttons on both decks flash.



Simultaneously hold both SYNC buttons pressed for 1 sec.

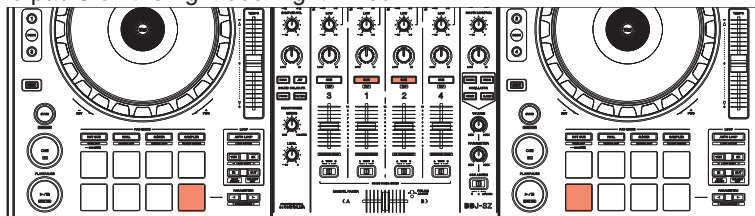
①-4: Crossfader calibration mode

To enter Crossfader Calibration mode, simultaneously press the CH1 Headphones CUE and CH2 Headphones CUE buttons in Test mode (①-2: Elements Check mode).

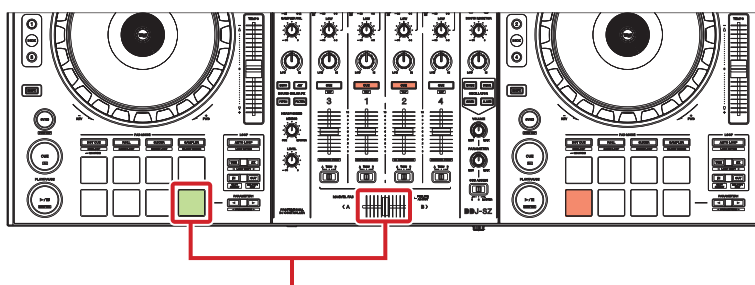
[Crossfader Calibration Procedure]

- ① Simultaneously press the CH1 Headphones CUE and CH2 Headphones CUE buttons in Test mode (①-2: Elements Check mode).

The CH1 Headphones CUE and CH2 Headphones CUE buttons light.
Pad 8 on the left deck and pad 5 on the right deck light in red.

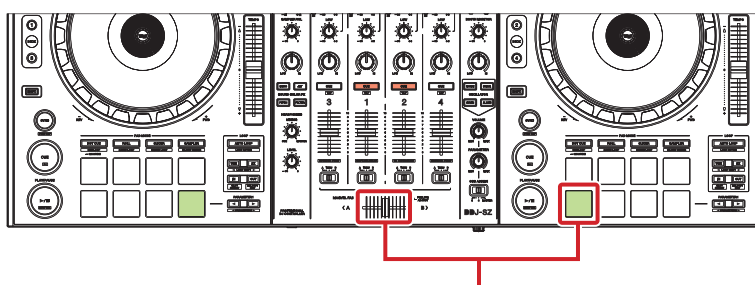


- ② Slide the crossfader to its leftmost position then press pad 8 on the left deck.
The color of pad 8 changes to green.
(The maximum value for the crossfader is obtained.)



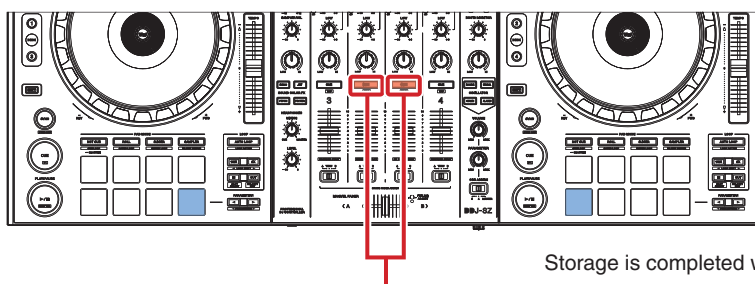
Slide the crossfader to its leftmost position then press pad 8 on the left deck.

- ③ Slide the crossfader to its rightmost position then press pad 5 on the right deck.
The color of pad 5 changes to green.
(The minimum value for the crossfader is obtained.)



Slide the crossfader to its rightmost position then press pad 5 on the right deck.

- 4 Simultaneously press the CH1 Headphones CUE and CH2 Headphones CUE buttons.
The color of pad 8 on the left deck and pad 5 on the right deck changes to blue. (Completion of storing the setting values)

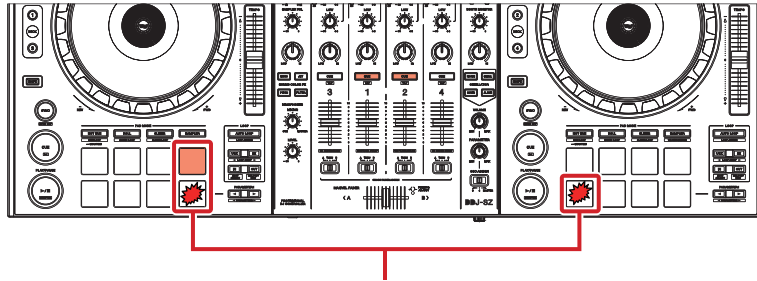


Storage is completed when the pad lighting turns blue.

Simultaneous pressing of the CH1 Headphones CUE and CH2 Headphones CUE buttons stores the setting values in the serial flash memory.

- If the CH1 Headphones CUE and CH2 Headphones CUE buttons are pressed without setting the maximum and minimum values, an error indication will be displayed.

A Error indication

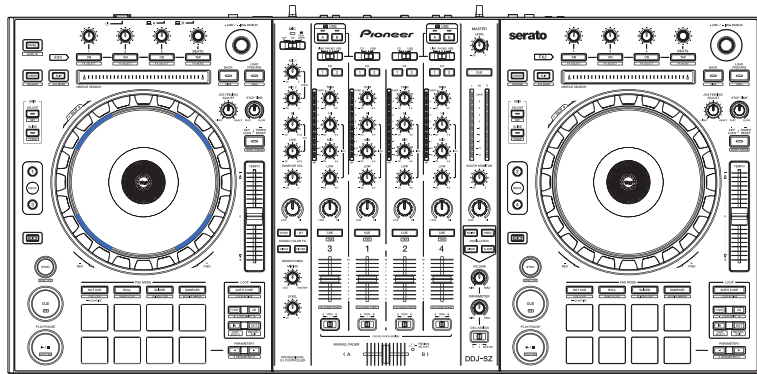


In a case of a setting error, the pads flash in red.

If the maximum and minimum values are in contradiction, pad 4 on the left deck lights.

[Error indication when no calibration is performed]

With no calibration, the Jog ring LEDs on the left deck flash in blue.



①-5: PAD calibration mode

To enter Pad Calibration mode, simultaneously press the CH3 Headphones CUE and CH4 Headphones CUE buttons in Test mode (①-2: Elements Check mode).

[Operating elements to be used for Pad Calibration]

Element Name	Purpose	Element Name	Purpose
Left DECK Effect parameter 1 button	Acquiring an A/D conversion value	CH3 FX assign 1 button	Confirming a setting value
Left DECK Effect parameter 2 button		CH3 FX assign 2 button	
Left DECK Effect parameter 3 button		CH1 FX assign 1 button	
Left DECK TAP button		CH1 FX assign 2 button	
Left DECK HOT CUE mode button		SOUND COLOR FX 1 button	
Left DECK ROLL mode button		SOUND COLOR FX 2 button	
Left DECK SLICER mode button		SOUND COLOR FX 3 button	
Left DECK SAMPLER mode button		SOUND COLOR FX 4 button	
Right DECK Effect parameter 1 button		CH2 FX assign 1 button	
Right DECK Effect parameter 2 button		CH2 FX assign 2 button	
Right DECK Effect parameter 3 button		CH4 FX assign 1 button	
Right DECK TAP button		CH4 FX assign 2 button	
Right DECK HOT CUE mode button		OSCILLATOR SELECT 1 button	
Right DECK ROLL mode button		OSCILLATOR SELECT 2 button	
Right DECK SLICER mode button		OSCILLATOR SELECT 3 button	
Right DECK SAMPLER mode button		OSCILLATOR SELECT 4 button	
Headphones CUE 3 button	Storing a setting value	Left DECK BACK button	Deleting a setting value
Headphones CUE 4 button		Left DECK LOAD PREPARE button	
Left DECK PLAY/PAUSE ►/■ button	Acquiring an A/D conversion value	Right DECK BACK button	
Performance pads	Displaying a setting value	Right DECK LOAD PREPARE button	
Level indicator	Displaying a setting value		

[Pad Calibration Procedure]

- ① Simultaneously press the CH3 Headphones CUE and CH4 Headphones CUE buttons in Test mode (①-2: Elements Check mode). (Perform this step in a mode other than All LEDs Lit mode.)

The CH3 Headphones CUE and CH4 Headphones CUE buttons light.

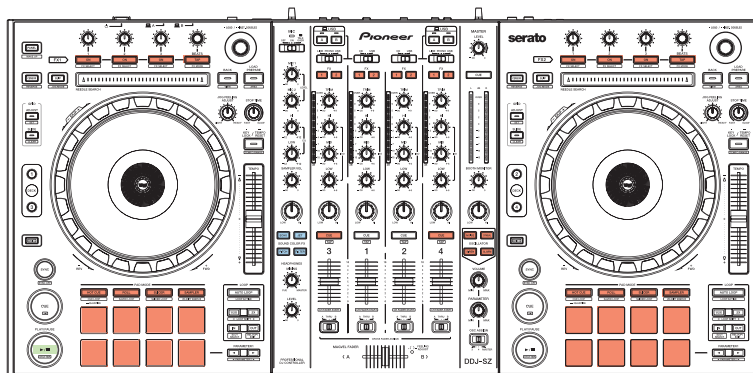
All pads light in red.

The Effect Parameter 1, Effect Parameter 2, Effect Parameter 3, and TAP buttons on the left and right decks light.

The PLAY/PAUSE ►/|| button on the left deck lights.

The FX assign buttons light.

The SOUND COLOR FX and OSCILLATOR SELECT buttons light.



- ②-1 Calibration of individual pads (to be performed during servicing)

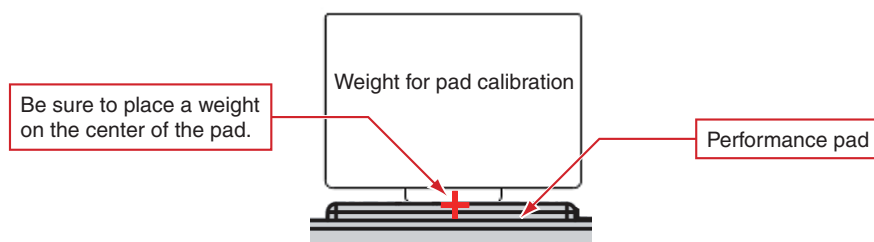
While weighting a pad to be calibrated down, press the button corresponding to the pad. (See the table and figure on the below.)

The color of the pad changes to green.

(The A/D value of the pad is obtained.)

If the A/D value is abnormal, the pad starts flashing in red.

Note: To weigh a pad down, be sure to place a weight (12 mm dia.) on the center of the pad, with the convex part (contact area dia.: 10 mm) facing downward.

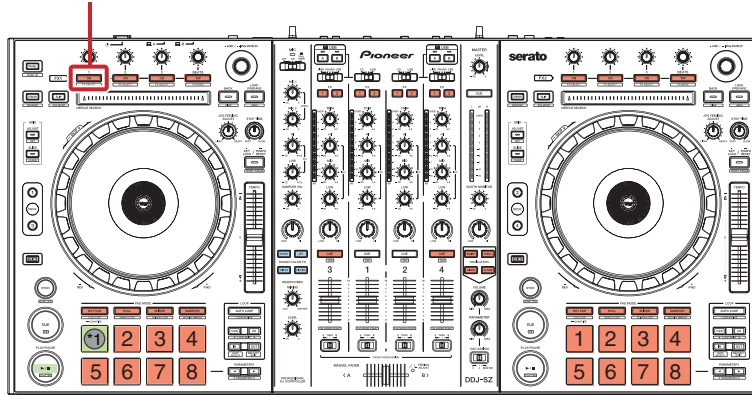


List of the buttons corresponding to the pads to be calibrated

PAD	Button	PAD	Button
Left DECK PAD1	Left DECK Effect parameter 1 button	Right DECK PAD1	Right DECK Effect parameter 1 button
Left DECK PAD2	Left DECK Effect parameter 2 button	Right DECK PAD2	Right DECK Effect parameter 2 button
Left DECK PAD3	Left DECK Effect parameter 3 button	Right DECK PAD3	Right DECK Effect parameter 3 button
Left DECK PAD4	Left DECK Effect parameter 4 button	Right DECK PAD4	Right DECK Effect parameter 4 button
Left DECK PAD5	Left DECK HOT CUE mode button	Right DECK PAD5	Right DECK HOT CUE mode button
Left DECK PAD6	Left DECK ROLL mode button	Right DECK PAD6	Right DECK ROLL mode button
Left DECK PAD7	Left DECK SLICER mode button	Right DECK PAD7	Right DECK SLICER mode button
Left DECK PAD8	Left DECK SAMPLER mode button	Right DECK PAD8	Right DECK SAMPLER mode button

A

Press the button corresponding to the pad being weighted down.
(Example: For pad 1 on the left deck)



*1: Weighting

B

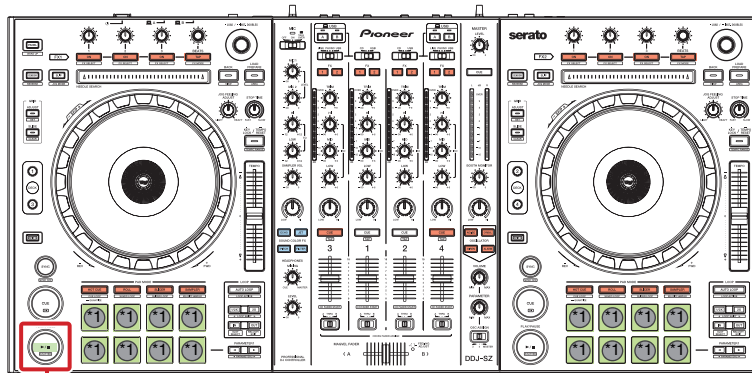
②-2 Simultaneous calibration of all pads (to be performed on the production line)

With all pads weighted down (by placing the weights on all pads), press the PLAY/PAUSE ►/|| button on the left deck.
The color of the pads changes to green.

(The A/D values of the pads are obtained.)

If the A/D value of any of the pads is abnormal, that pad starts flashing in red.

C



*1: Weighting

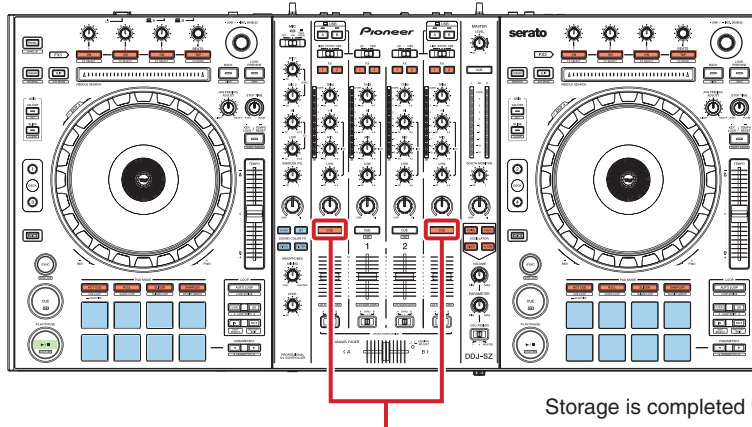
D

With all pads weighted down, press the PLAY/PAUSE ►/|| button on the left deck.

③ Simultaneously press the CH3 Headphones CUE and CH4 Headphones CUE buttons.

The color of all pads changes to blue, indicating completion of storing the setting value.

E



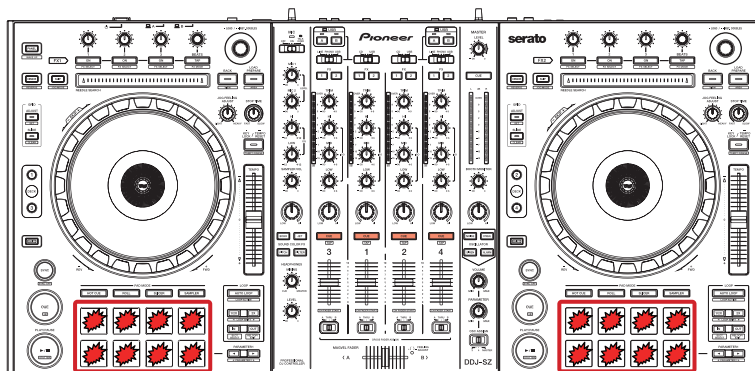
Storage is completed when the pad lighting turns blue.

F

Simultaneous pressing of the CH3 Headphones CUE and CH4 Headphones CUE buttons stores the setting value in the serial flash memory.

If the CH3 Headphones CUE and CH4 Headphones CUE buttons are pressed without setting the A/D conversion value, an error indication will be displayed.

Error indication



In a case of a setting error, the pads flash in red.

④ Check the setting values.

If you press the button corresponding to the pad whose setting value is to be checked, the setting value will be indicated with the level indicator.

The hundreds, tens, and unit's digits are expressed with the CH1, CH2, and CH4 level indicators, respectively.

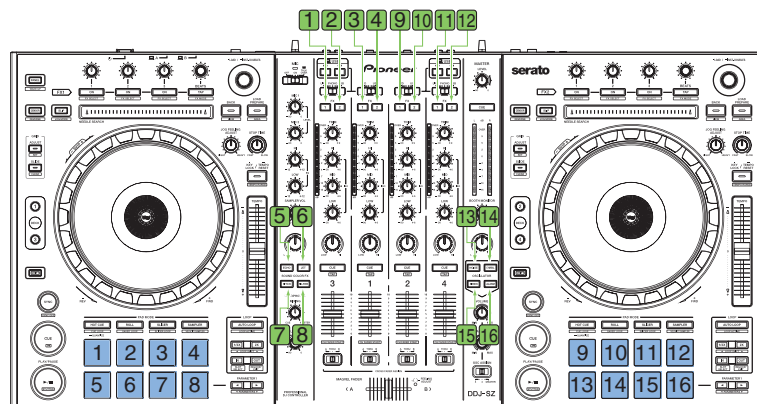
If no calibration was performed, no level indicators light.

The pad whose setting value is indicated is lit in white.

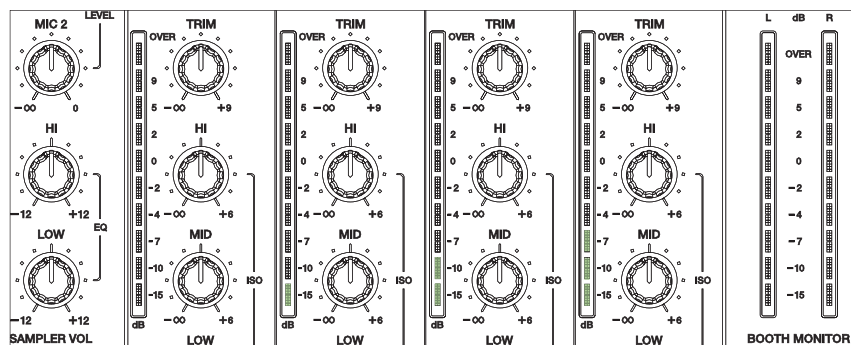
List of the buttons corresponding to the pads whose setting values are to be confirmed

PAD No.	Button	PAD No.	Button
1	CH3 FX assign 1	9	CH2 FX assign 1
2	CH3 FX assign 2	10	CH2 FX assign 2
3	CH1 FX assign 1	11	CH4 FX assign 1
4	CH1 FX assign 2	12	CH4 FX assign 2
5	SOUND COLOR FX 1	13	OSCILLATOR SELECT 1
6	SOUND COLOR FX 2	14	OSCILLATOR SELECT 2
7	SOUND COLOR FX 3	15	OSCILLATOR SELECT 3
8	SOUND COLOR FX 4	16	OSCILLATOR SELECT 4

Buttons corresponding to the PAD Nos. in the table



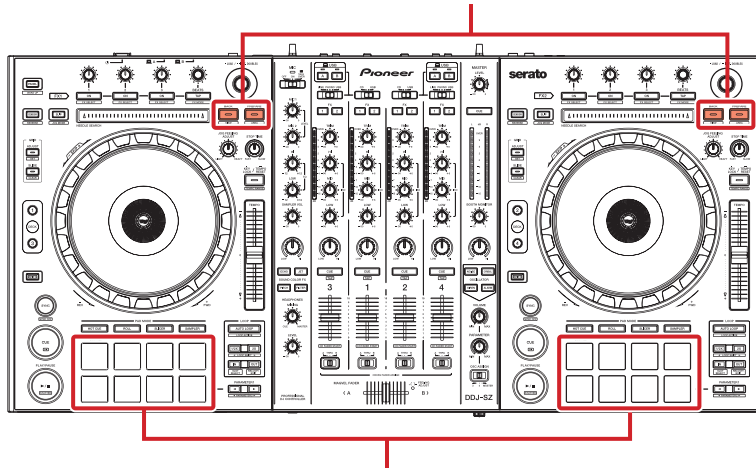
Indication example of the level indicators (when the setting value is 123)



A [Deletion of the setting values]

Simultaneously press the BACK and LOAD PREPARE buttons on the left and right decks.
All pads light in white, indicating completion of deletion of the setting values.

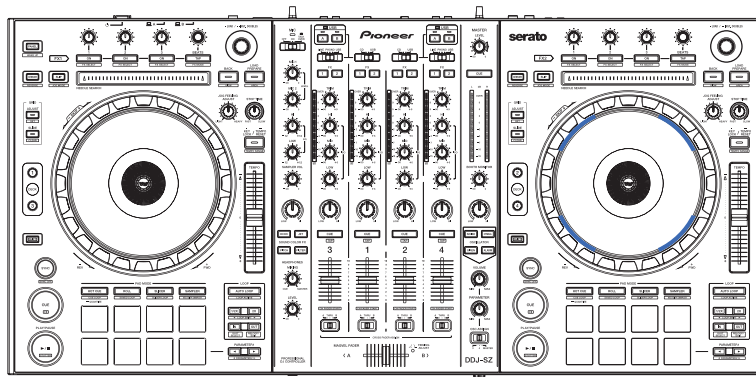
Simultaneous pressing of the BACK and LOAD PREPARE buttons on the left and right decks deletes the setting values stored in the serial flash memory.



Deletion is completed when the color of all pads changes to white.

C [Error indication when no calibration is performed]

With no calibration, the Jog ring LEDs on the right deck flash in blue.



①-6: PAD AD value check mode

This mode is for confirming if the A/D value changes in response to force applied to a pad.

To enter PAD AV value check mode, simultaneously press the HOT CUE mode buttons on the left and right decks.

[Use of this mode during repair]

Use this mode for failure judgment of the performance-pad section and confirmation of conditions of the pads after part replacement.

If the reading of the level indicator does not change in response to change in force applied to a pad, that performance pad may be in failure.

Operation procedure:

① Simultaneously press the HOT CUE mode buttons on the left and right decks.
The HOT CUE mode button on the left deck lights.

② Press the HOT CUE mode, ROLL mode, SLICER mode, or SAMPLER mode button on the left deck, depending on the pad to be checked.

HOT CUE mode : Pads 1 to 4 on the left deck

ROLL mode : Pads 5 to 8 on the left deck

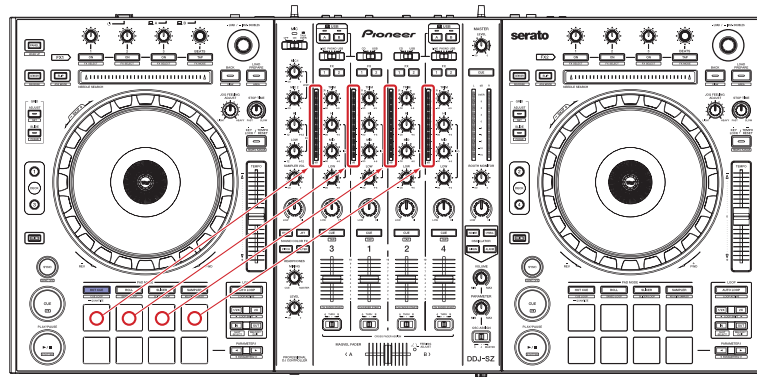
SLICER mode : Pads 1 to 4 on the right deck

SAMPLER mode : Pads 5 to 8 on the right deck

③ The level indicator oscillates in response to force applied to the pad.

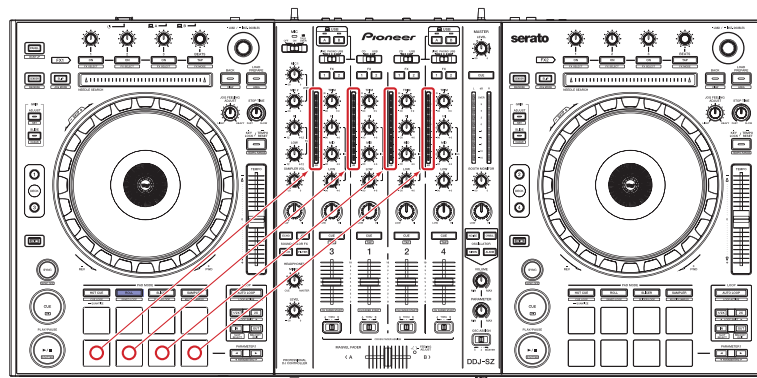
[HOTCUE]

A



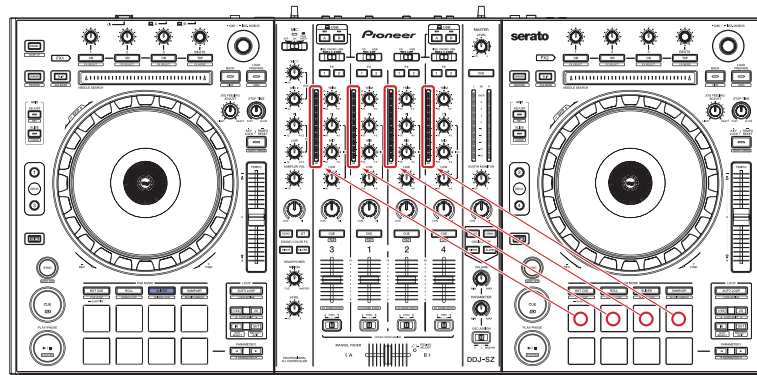
B

[ROLL]



C

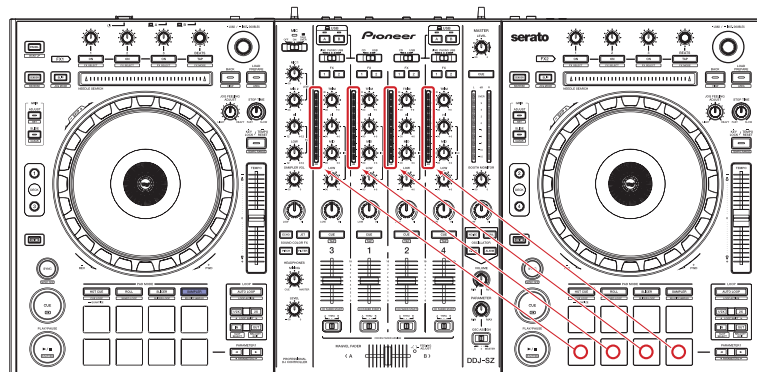
[SLICER]



D

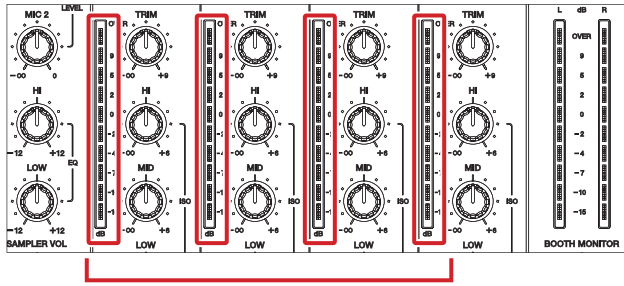
[SAMPLER]

E



F

A Indication example of the level indicators



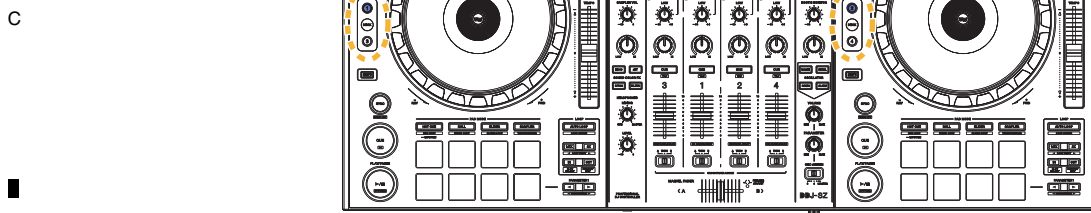
B Measurement result
(indicated in 10 steps, with the value at 3.3 V as the maximum value)

②-1: Jog dial Rotation Time measurement mode

This mode is for measuring the load on the Jog dials.

To enter this mode, while holding the SYNC and DECK 3 buttons on the left deck pressed, turn the unit on.

The DECK 1 to 4 buttons light in this mode.



[Use of this mode during repair]

Use this mode to check if reassembly was performed correctly and if grease application was performed properly after replacement of the component parts of the Jog dial section.

- D The specified values are 270 msec or less with the JOG FEELING ADJUST control turned fully counterclockwise (at the LIGHT position) and 100 msec or more with the JOG FEELING ADJUST control turned fully clockwise (at the HEAVY position). Check that measured rotation times are within the specified range when you turn the Jog dial several times in this mode.

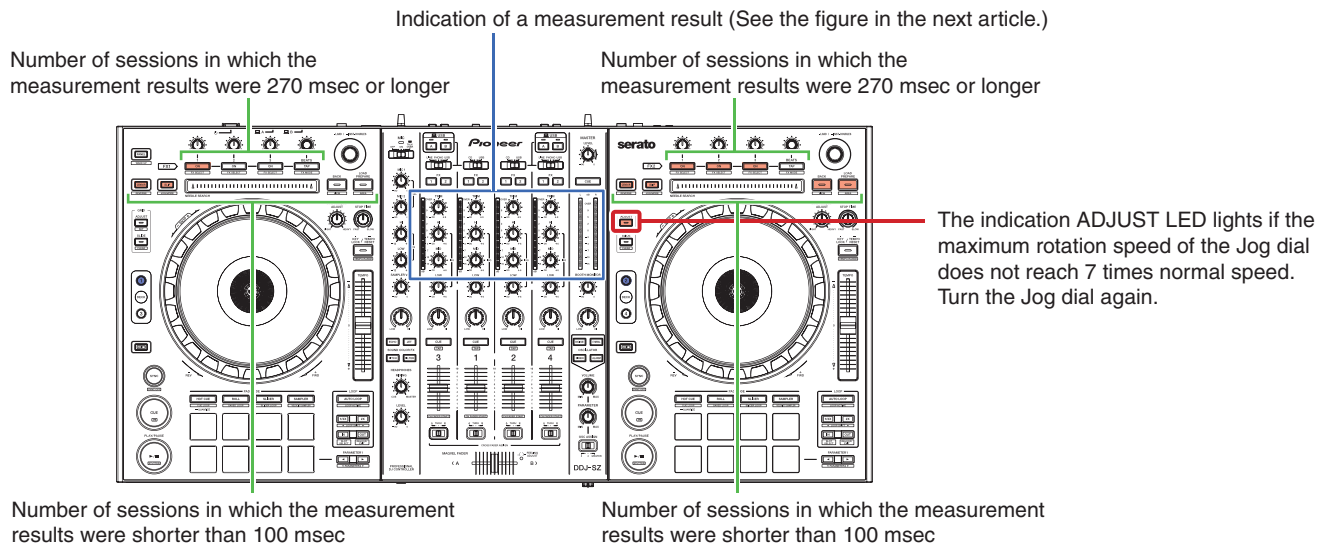
Operation procedure:

- ① Turn the Jog dial whose rotation time is to be measured.
Measurement will start after the rotation speed of the Jog dial reaches or surpasses 7 times normal speed.
If the rotation speed of the Jog dial does not reach 7 times normal speed, the indication ADJUST LED on the same deck as the Jog dial being tested is located lights.
- ② The time required for the Jog dial to decrease its rotation speed from 3 times to 1.5 times normal speed will be indicated in msec.

Indications of measurement results and the number of sessions in which out-of-range values were obtained:

- E
- The number of sessions (1–4) in which the time required for slowdown was 270 msec or longer is indicated with the FX SELECT 1 to 3 and TAP buttons on the same deck as the Jog dial being tested is located. Any such sessions exceeding five will not be counted.
 - The number of sessions (1–4) in which the time required for slowdown was 100 msec or shorter is indicated with the CENTER, SLIP, BACK, and LOAD PREPARE buttons on the same deck as the Jog dial being tested is located. Any such sessions exceeding five will not be counted.

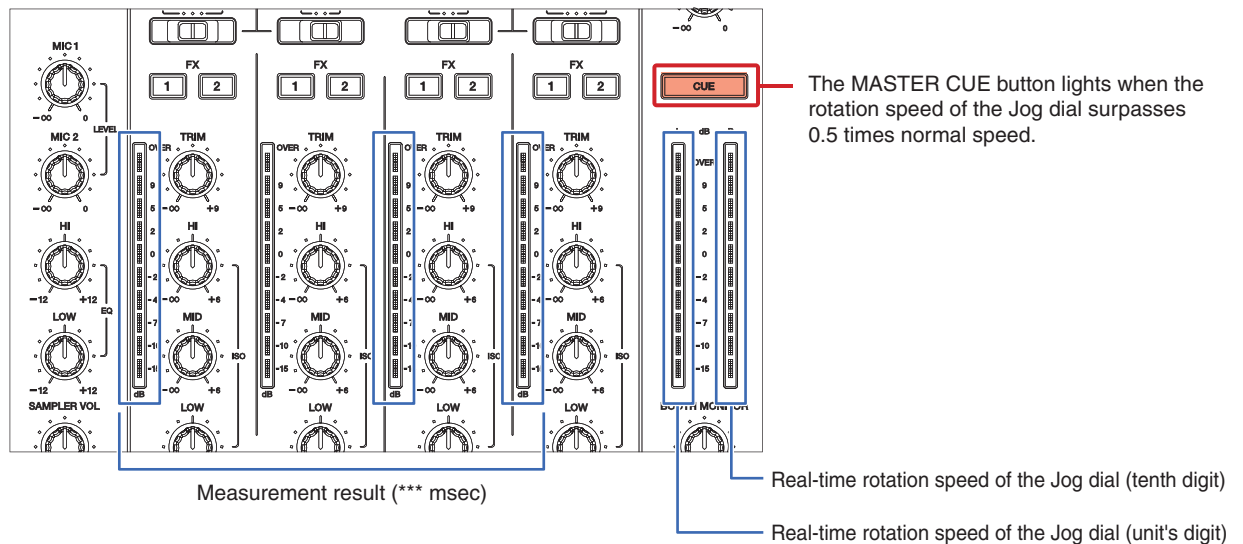
- In the figure below, the numbers of sessions in which the measurement results were 270 msec or longer and shorter than 100 msec are 1 and 2, respectively, for the left Jog dial, and those for the right Jog dial are 3 and 4, respectively.



Indication of a measurement result

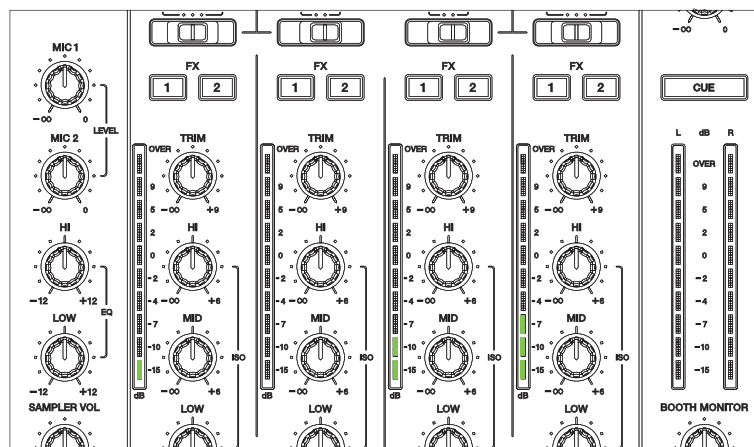
The measured time required for slowdown is expressed with the level indicators, as shown below.

You can confirm if the rotation speed of the Jog dial reaches 0.5 times normal speed with the MASTER CUE button.



(Example)

The figure below shows the result of 123 msec.



A ②-2: Volume value fluctuation check mode

This mode is for testing fluctuated values of voltages (A/D conversion values) of various faders and rotary variable controls and for indicating such fluctuations with the MASTER level indicator.

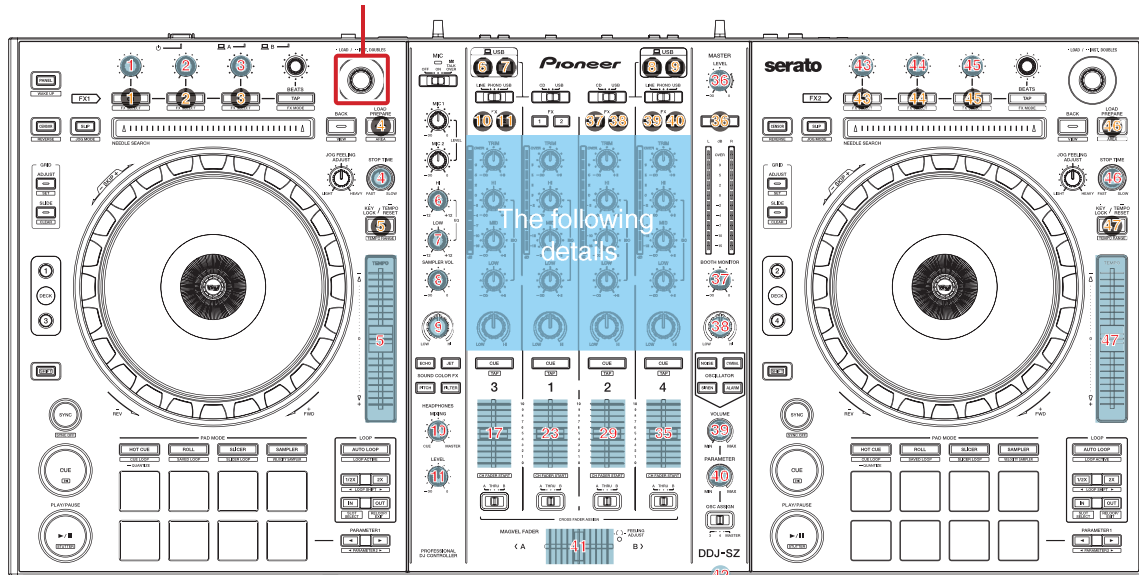
To enter this mode, while holding the SHIFT and DECK 3 buttons on the left deck pressed, turn the unit on.

[Controls that can be tested]

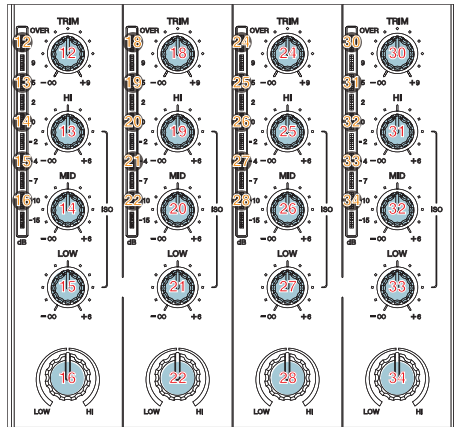
The faders and controls indicated in blue in the figure below can be tested.

To change faders/controls to be tested, turn the rotary selector clockwise or counterclockwise.

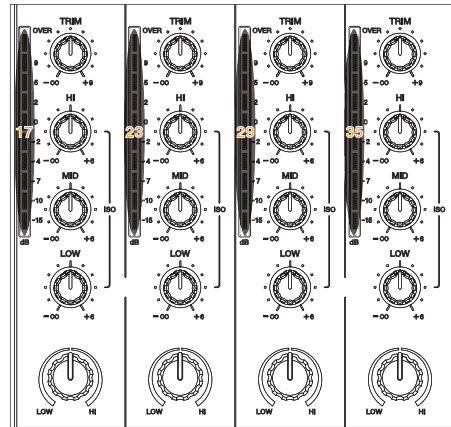
To start monitoring or reset an A/D conversion value, press the rotary selector.



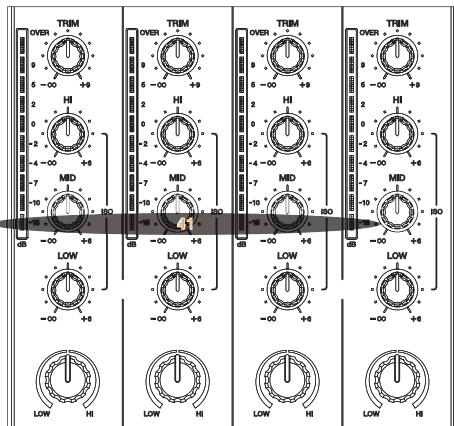
Each Channel TRIM, HI, MID, LOW, COLOR



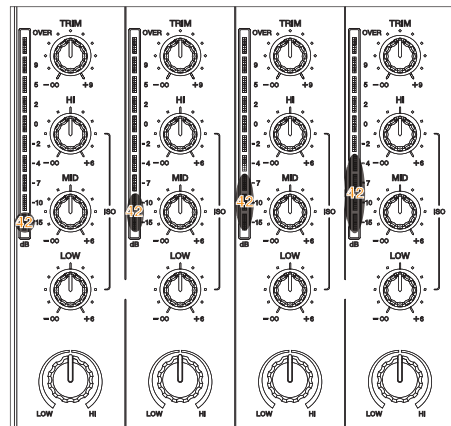
Each Channel Fader



Crossfader



Crossfader Curve



[Use of this mode during repair]

For failure judgment of the Faders and rotary VRs

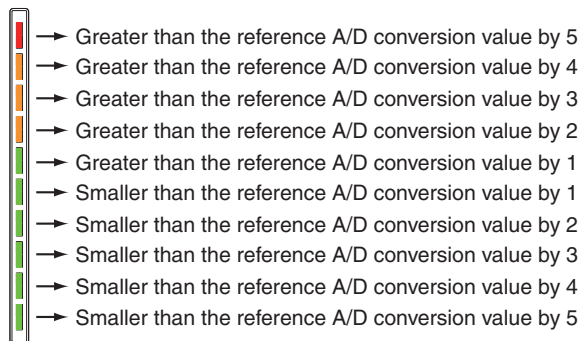
As a guide, amplitude values higher than +4 or lower than -4 may be judged as failure.

The VRs can be set to any position during measurement. Possible symptoms are shown below.

- The MIDI signal is output even if the corresponding VR is not operated.

[Details of test]

- ① Select a fader/control to be tested by turning the rotary selector clockwise or counterclockwise.
At the beginning of this test mode, the control numbered 1 is selected.
As the rotary selector is turned by 1 click, the LED of the selected fader/control will light in the order indicated below.
Clockwise rotation: 1 → 2 → 3 → 4 → → 46 → 47
Counterclockwise rotation: 47 → 46 → 45 → → 2 → 1
- ② Which control/fader is currently selected is indicated with lighting of the LED of the button corresponding to the selected control/fader, as shown in the figure on the previous page.
The LED with a number on the black circle corresponds to the fader/control having the same number.
For example, to test the MASTER VOL control, turn the rotary selector until the MASTER CUE lights.
- ③ After the fader/control to be tested is selected, press the rotary selector to start monitoring the A/D conversion values.
The A/D conversion value monitored immediately after monitoring is started becomes the reference value.
• The A/D conversion values being monitored are raw data.
- ④ The A/D conversion values being monitored are indicated with the MASTER level indicator (L).
If no fluctuations are monitored with regard to the reference A/D value, all LEDs of the level indicator remain unlit.
In response to fluctuations with regard to the reference A/D conversion value, the corresponding LEDs light.



- Both greater and smaller A/D conversion values than the reference value remain indicated on the MASTER level indicator.
- Both greater and smaller maximum fluctuation values than the reference value remain indicated.

- ⑤ To reset the fluctuation values up until the present, press the rotary selector while monitoring A/D conversion values.

(Example)

1. Turn the SAMPLER VOL control to the position whose A/D conversion value you wish to measure.
2. Turn the rotary selector clockwise by 8 clicks.
The USB-A buttons on decks 2 and 4 light.
3. Press the rotary selector to start monitoring A/D conversion values.
If the A/D conversion value when the rotary selector is pressed is 760, that value becomes the reference and fluctuations in A/D values are monitored.

- A 4. If the A/D value becomes 763 after a while, the LEDs of the MASTER level indicator light, as shown in the figure below.



B

5. After that, if the A/D value becomes 762, the indication of the MASTER level indicator does not change.
6. If the A/D value becomes 764, the lit LEDs of the MASTER level indicator change, as shown in the figure below.



C

7. If the A/D value becomes 758, the lit LEDs of the MASTER level indicator change, as shown in the figure below.



D

8. After that, if the A/D value becomes 759, the indication of the MASTER level indicator does not change.
9. If the A/D value becomes 757, the lit LEDs of the MASTER level indicator change, as shown in the figure below.

E



F

10. To reset the monitored A/D values, press the rotary selector. All LEDs will go dark. The A/D conversion value when the rotary selector is pressed will become a new reference value.

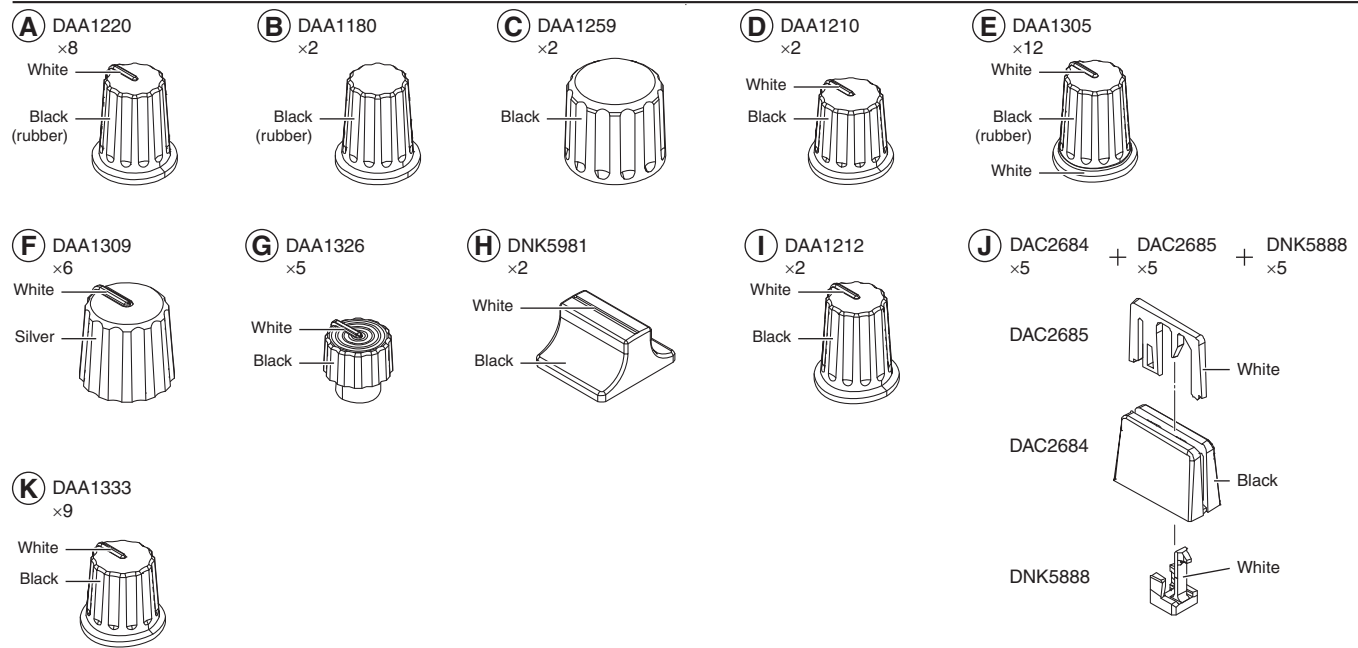
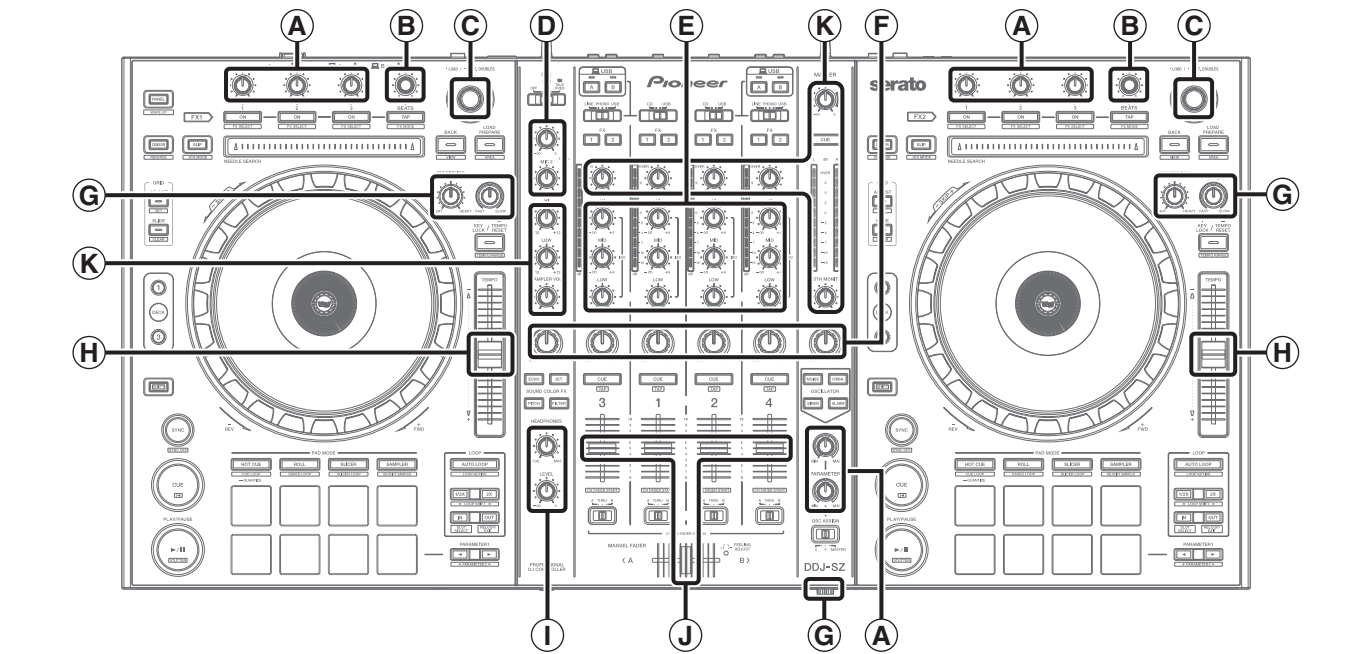
6.2 ABOUT THE DEVICE

Device Name	Part number	Function	Ref. No.	Assy
REGULATOR	NJM2831F33	Regulator for V+3R3E, V+3R3A, V+3R3D_CLK	IC1201, IC1406, IC3405	MAIN Assy
REGULATOR	NJM78M15DL1A	Regulator for V+15A	IC1401	MAIN Assy
REGULATOR	NJM79M15DL1A	Regulator for V-15A	IC1402	MAIN Assy
REGULATOR	NJM7805DL1A	Regulator for V+5A	IC1404	MAIN Assy
REGULATOR	NJM2886DL3-33	Regulator for V+3R3D	IC1206	MAIN Assy
DC/DC converter	BD9851EFV	DC/DC converter for $\pm 18A$, $V_{\pm 7R5HP}$	IC1403, IC1405	MAIN Assy
DC/DC converter	BD9328EFJ	DC/DC converter for V+1R2D, V+8A	IC1203, IC1205	MAIN Assy
DC/DC converter	BD9329EFJ	DC/DC converter for V+5D	IC1204	MAIN Assy
DC/DC converter	NJM2392M	DC/DC converter for V+26FL	IC1202	MAIN Assy
M16 UCOM	DYW1844 (R5F364AENFA-U0-K)	LED, FL, KEY, VR control	IC6001	MAIN Assy
SH UCOM	R5S72670P144FP	LED, KEY, FADER, PAD, CDC, USB control	IC2201 IC2601	MAIN Assy
DSP	D810K013DZKB400	AUDIO DSP SYSTEM LSI	IC3201	MAIN Assy
FLASH (16M)	DYW1845 (MX25L1633EM2I-10G-K)	Memory for SH1, SH2, DSP (Firmware)	IC3001	MAIN Assy
SDRAM (128M)	M12L128168A-5TG2N	Memory for DSP (Work)	IC3202	MAIN Assy
ADC	AK5358AET	Audio A/D converter	IC2001	MAIN Assy
ADC	PCM1803ADB	Audio A/D converter	IC1603, IC1604, IC1803, IC1804	MAIN Assy
DAC	AK4387ET	Audio D/A converter	IC3606, IC3802	MAIN Assy
DAC	WM8740SEDS	Audio D/A converter	IC3601	MAIN Assy
VFD	DEL1073	VACUUM FLUORESCENT DISPLAY	V7401 V7601	JFLL Assy JFLR Assy
CDC	AD7147ACPZ500RL7	Capacitance Sensor for NEEDLE SEARCH pad	IC7301 IC6301	CDCL Assy CDCR Assy
PIC UCOM	DYW1846 (* MP1st) (PIC10F206-I/P) or PE0006A8 (* runnning change)	Touch detection for JOG DIAL	IC8601	JOGTL Assy
			IC8701	JOGTR Assy

7. DISASSEMBLY

Note:
Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

Knobs and Volumes Location



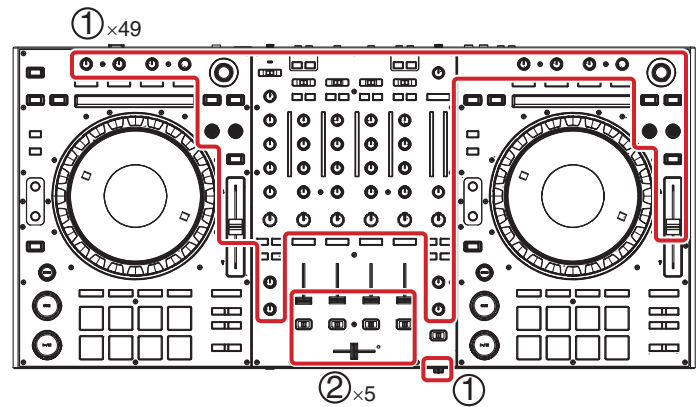
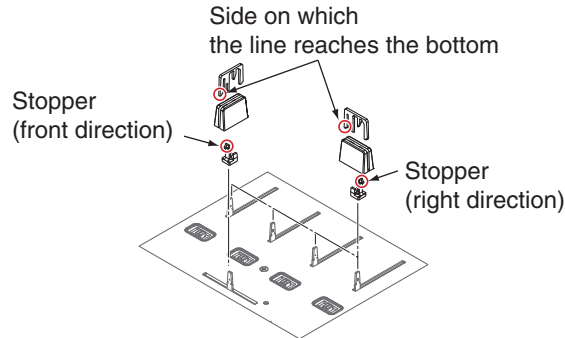
Disassembly

[1] Exterior Section

• Knobs etc.

- (1) Remove the all knobs.
- (2) Remove the five Slider knobs 2, five Slider knobs 1, five Slider Stoppers.
(See below.)

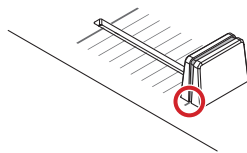
The reference of the direction



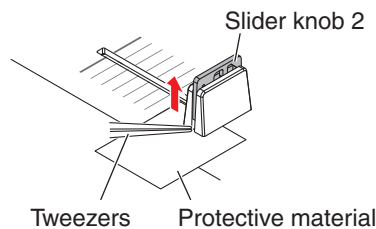
• Disassembly of the slider knob

The new slider knob adopted by this product is designed so that it is not pulled out easily. Therefore, the method for removing the slider knob is different from the conventional method; it can only be pulled out after Slider knob 2 is removed.

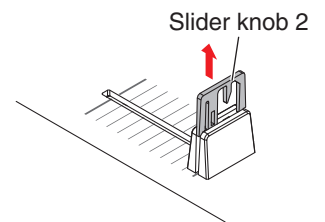
- ① Find the side on which the line reaches the bottom.



- ② Insert a pair of tweezers etc. beneath the line then push the Slider knob 2 upward. To protect the panel from being scratched, use protective material.

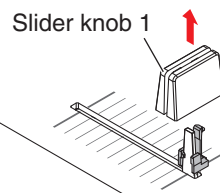


- ③ Remove the Slider knob 2.

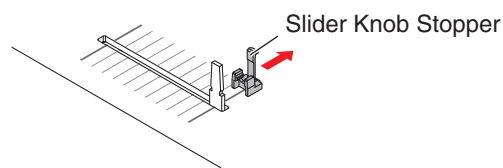


*: During reassembly, fully push down Slider knob 2 until it is dented into Slider knob 1.

- ④ Remove the Slider knob 1.



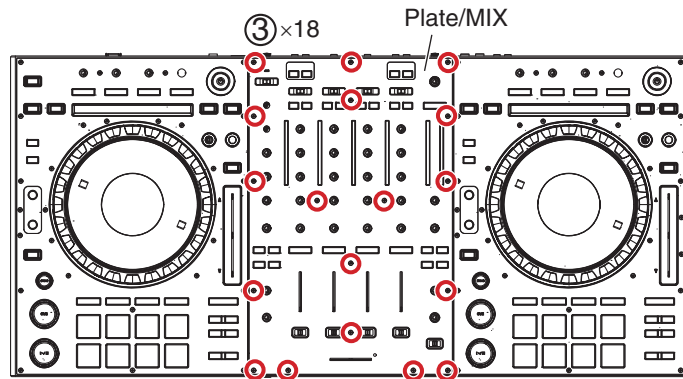
- ⑤ Remove the Slider Knob Stopper.



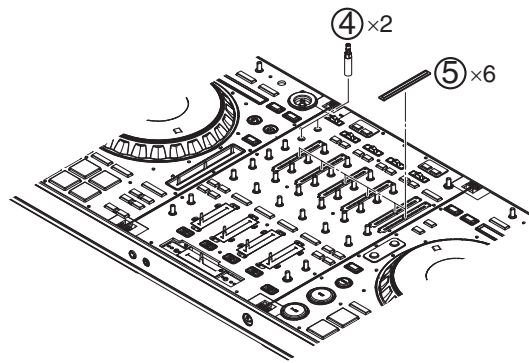
- A (3) Remove the Plate/MIX by removing the 18 screws.

Note:

Neither the Plate/DEL nor the Plate/DER is required to be detached during repair of the internal unit.



- B (4) Remove the two Shafts/EXT.
(5) Remove the six Lenses/LVL.



• **Note on replacement of the Plate/DEL and Plate/DER**

As the Plate/DEL and Plate/DER are attached to the control panel with double-back tape, replacement of the double-back tape (5 parts) is also required during replacement of those plates. Remove 27 screws from the Plate/DEL and 29 screws from the Plate/DER then detach the control panel, taking care not to damage the control panel. Completely remove the double-back tape remaining on the control panel then attach double-back tape to the control panel, as shown in the figure on the below.

DS tape/ALL: DEH1048

DS tape/ALB: DEH1051

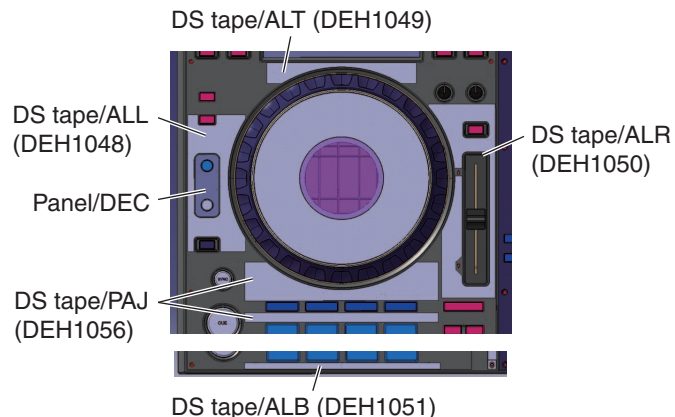
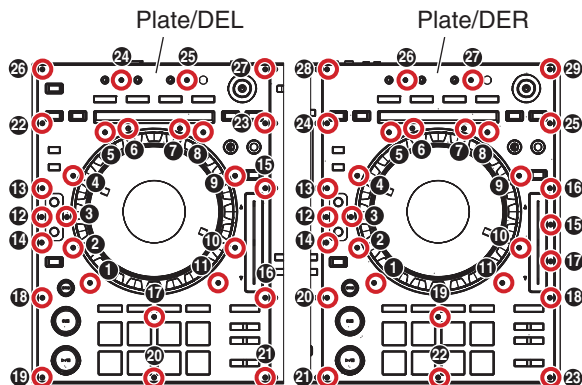
DS tape/ALT: DEH1049

DS tape/PAJ: DEH1056

DS tape/ALR: DEH1050

DS tape/PAJ (DEH1056) consists of two pieces of double-back tape on one paper liner.

When attaching the Plate/DEL and Plate/DER, be careful not to attach them over the edge of the control panel or the Panel/DEC. Tighten the screws in the order shown in the figure on the below.



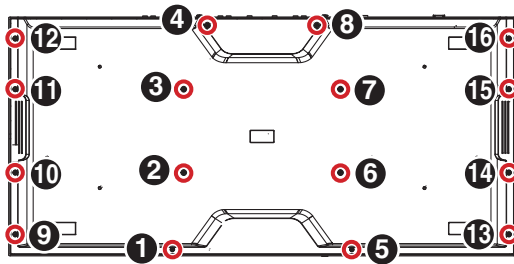
• Chassis Section

- (1) Remove the five screws.
(BBZ30P060FTB)
- (2) Remove the 16 screws.
(BPZ30P100FTB)

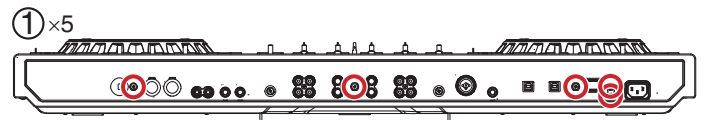
Note:

As the screws can easily become worn out, be sure to tighten the screws manually (never use an electric screwdriver).

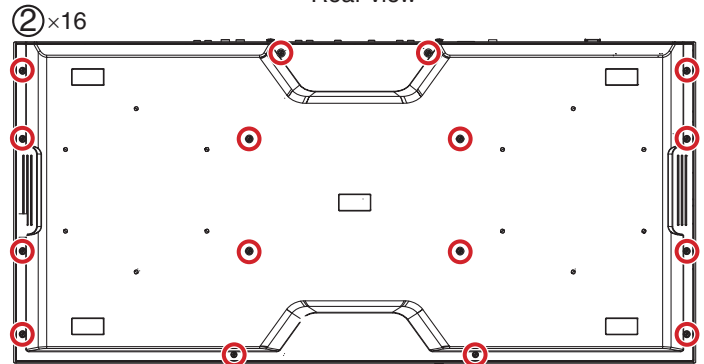
Screw tightening order



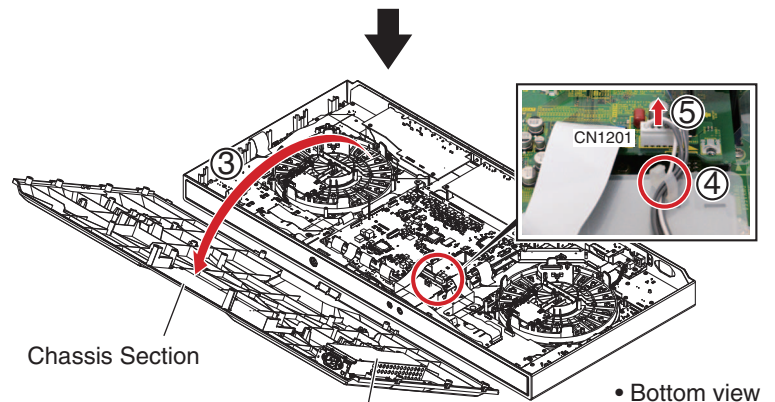
- (3) Remove the Chassis Section.
- (4) Release jumper wire.
- (5) Disconnect the one connector.
(CN1201)



• Rear view



• Bottom view



Chassis Section

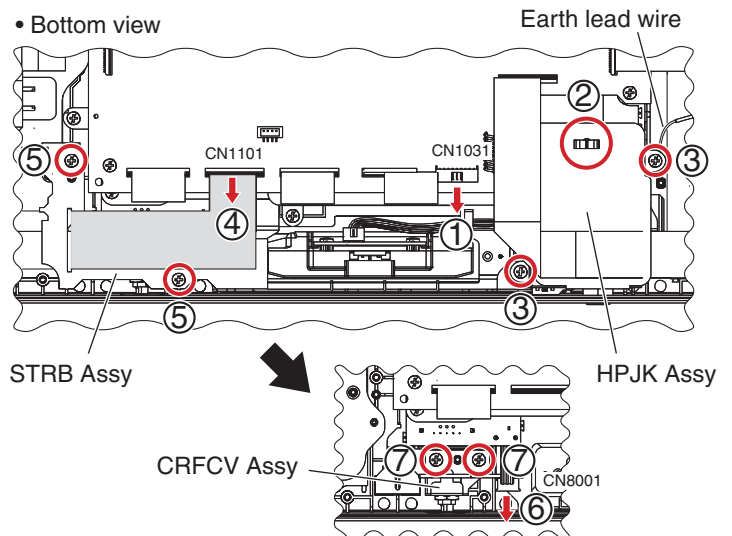
• Bottom view

POWER SUPPLY Assy

[2] Terminal Section, MAIN Assy

• HPJK, TRB and CRFCV Assemblies

- (1) Disconnect the one connector.
(CN1031)
- (2) Release the flexible cable by removing the Holder.
- (3) Remove the HPJK Assy with stay by removing the two screws.
(BPZ30P080FNI)
- (4) Disconnect the one flexible cable.
(CN1101)
- (5) Remove the STRB Assy by removing the two screws.
(BPZ30P080FNI)
- (6) Disconnect the one jumper wire.
(CN8001)
- (7) Remove the CRFCV Assy by removing the two screws.
(BPZ30P080FNI)



• Bottom view

Earth lead wire

STRB Assy

HPJK Assy

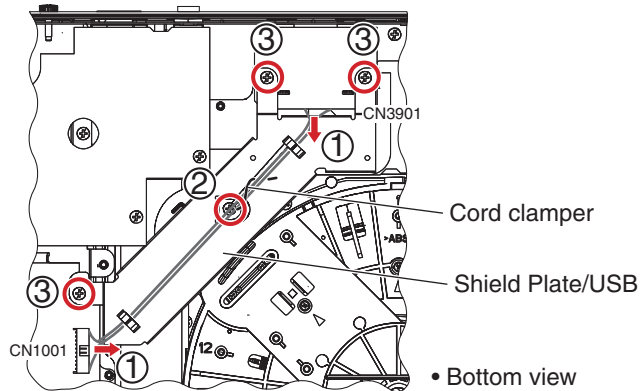
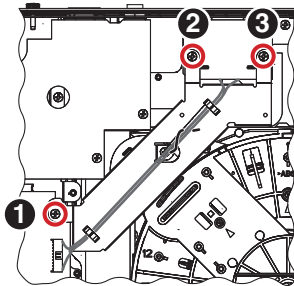
CRFCV Assy

CN8001

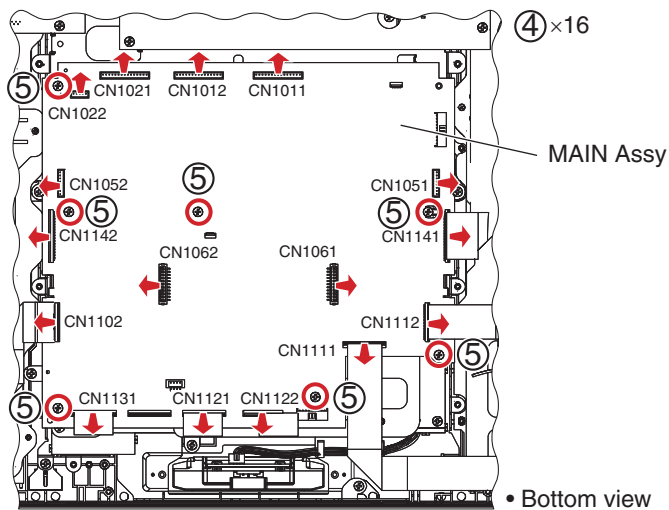
A • MAIN Assy

- (1) Disconnect the two connectors.
(CN1001, 3901)
- (2) Remove the one screw.
(BPZ30P080FNI)
- (3) Remove the Shield Plate/USB by removing
the three screws.
(BBZ30P080FTB)

Screw tightening order

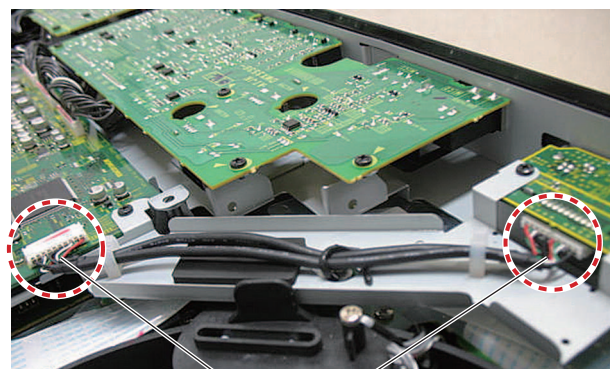


- (4) Disconnect the all flexible cables and connectors.
- (5) Remove the MAIN Assy by removing the seven
screws.
(BBZ30P060FTB)



• Notes on Cable Styling

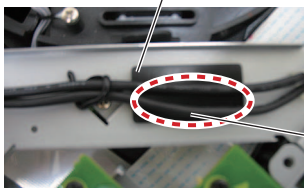
Secure the cables with a binder and put its excess length beneath the cables (avoid placing the excess length on the dent).



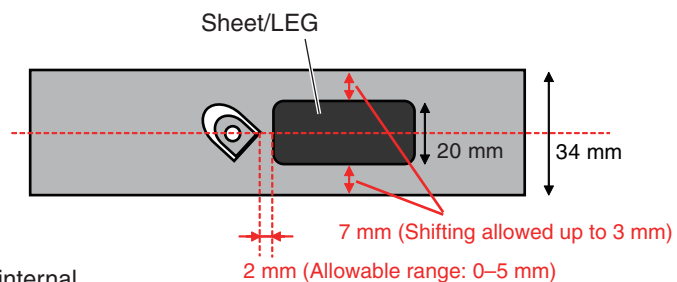
As the connectors may become loose, securely push the connectors again after securing the cables with a binder. (If pushing the connectors makes the bound cables lift a little, they can be left as they are.)

Add the cushion.
(Sheet/LEG: DEC3534)

Attach the cushion at the center widthwise and 2 mm away from the center dent, as shown in the figure below.



Be sure to place the two internal cables on the cushion.

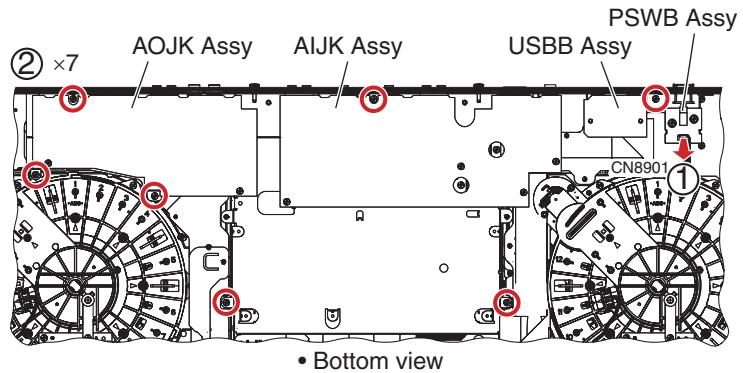
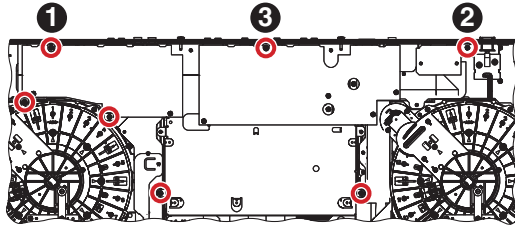


A • Terminal Section

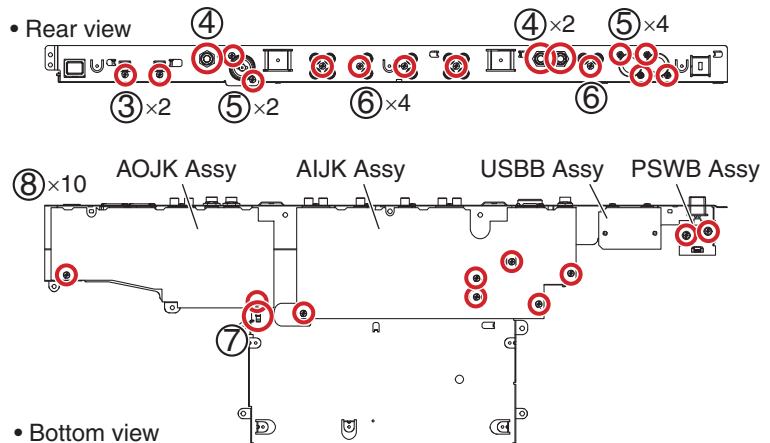
- (1) Disconnect the one jumper wire.
(CN8901)
- (2) Remove the AOJK, AIJK, USBB and PSWB Assemblies with stay by removing the seven screws.
(BPZ30P080FNI)

Screw tightening order

The other screws are random order.

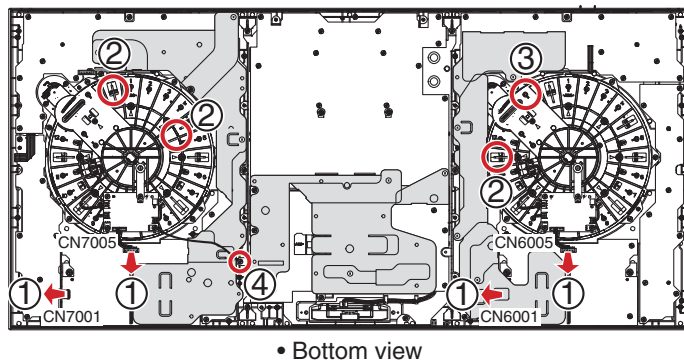


- (3) Remove the two screws.
(DBA1340)
- (4) Remove the three Nuts (M12).
(NKX2FNI)
- (5) Remove the six screws.
(PPZ30P080FTB)
- (6) Remove the five screws.
(BPZ30P080FTB)
- (7) Release the jumper wire.
- (8) Remove the AOJK, AIJK, USBB and PSWB Assemblies.
(BBZ30P060FTB)



[3] Deck and Mixer Sections

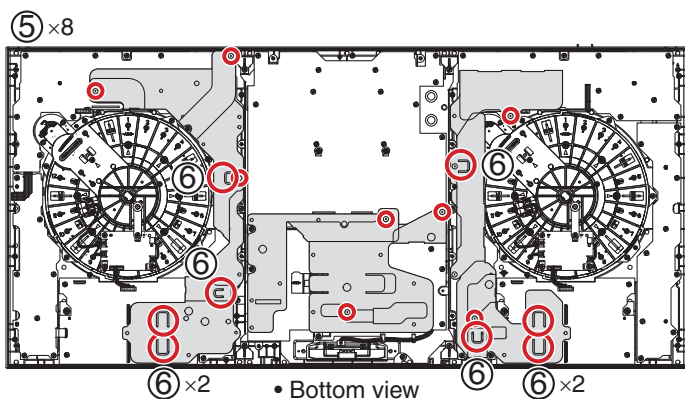
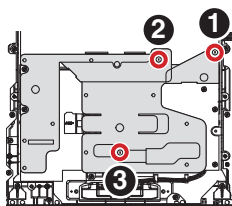
- (1) Disconnect the two flexible cables and two connectors.
(CN6001, 6005, 7001, 7005)
- (2) Release the jumper wire by unhooking the three hooks.
- (3) Release the jumper wire.
- (4) Remove the Earth lead wire by removing the one screw.
(BBZ30P060FTB)



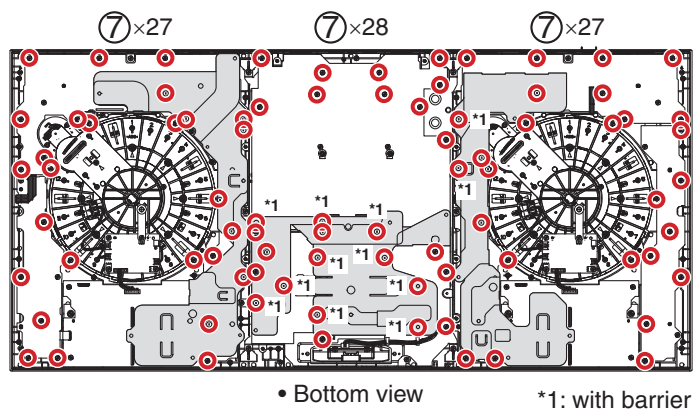
- (5) Remove the eight screws.
(BPZ30P080FNI)
- (6) Release the flexible cables by unhooking the eight hooks.

Screw tightening order

The other screws are random order.



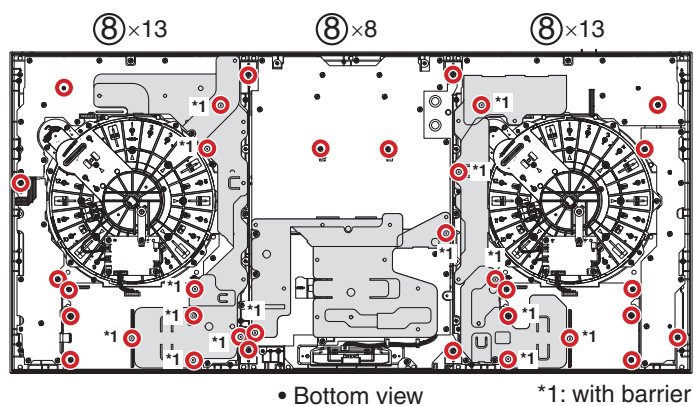
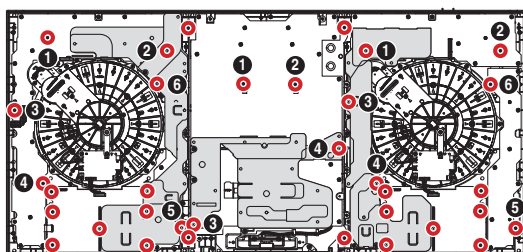
- (7) Remove the 82 screws.
(BPZ30P080FNI)



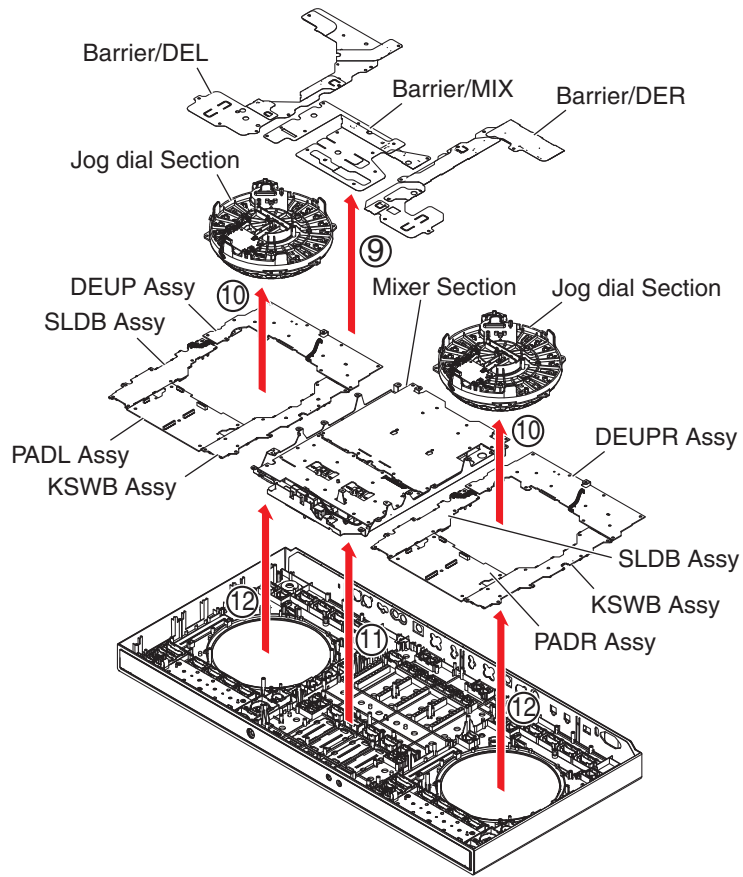
- (8) Remove the 34 screws.
(BPZ30P080FNI)

Screw tightening order

The other screws are random order.



- A (9) Remove the Barrier/MIX, Barrier/DEL and Barrier/DER.
 (10) Remove the two Jog dial Section.
 (11) Remove the Mixer Section.
 (12) Remove the DEUP, DEUPR, two KSWB, two SLDB, PADL and PADR Assemblies.

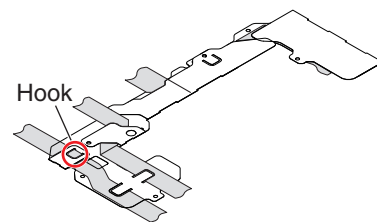
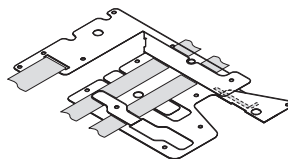
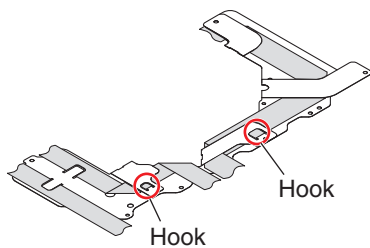
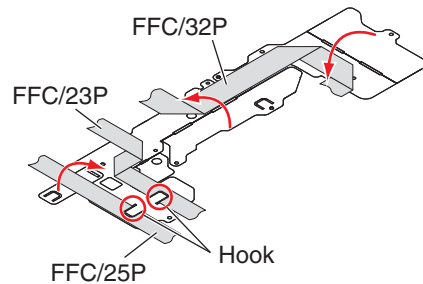
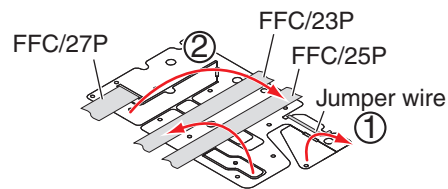
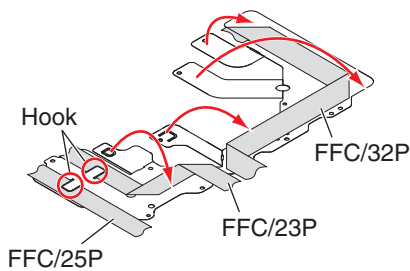


• Flexible cables, Barriers styling

• Barrier/DEL

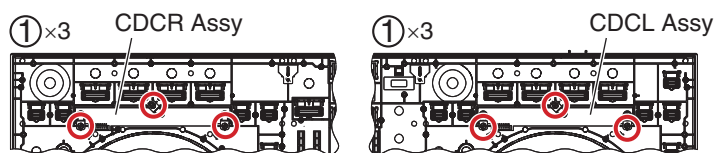
• Barrier/MIX

• Barrier/DER



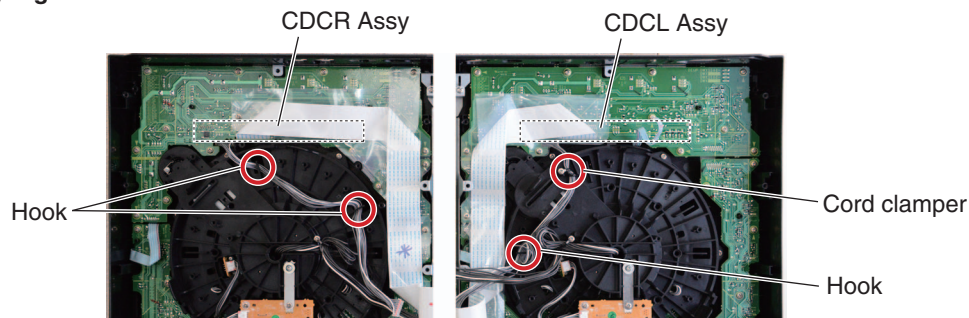
• CDCL and CDCR Assemblies

- (1) Remove the CDCL and CDCR Assemblies with six CDC stoppers by removing the six screws.
(BPZ30P080FNI)

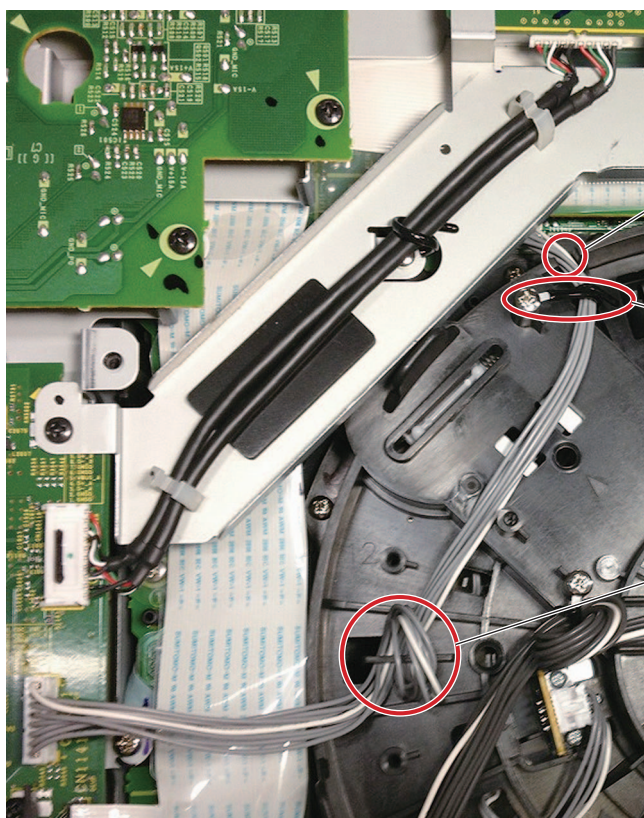


• Bottom view

• Jumper wire styling



• Notes on Cable Styling of the CDCL Assy



Pass the cables through the cutout of the Holder/JOG.

Press down the cables against the Holder/JOG, using the holddown, so that the cables do not touch the shield plate/USB.

Pass the cables twice around the hook to make a loop in order to stow the excess length of the cables

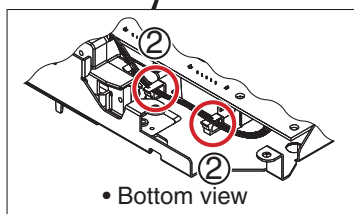
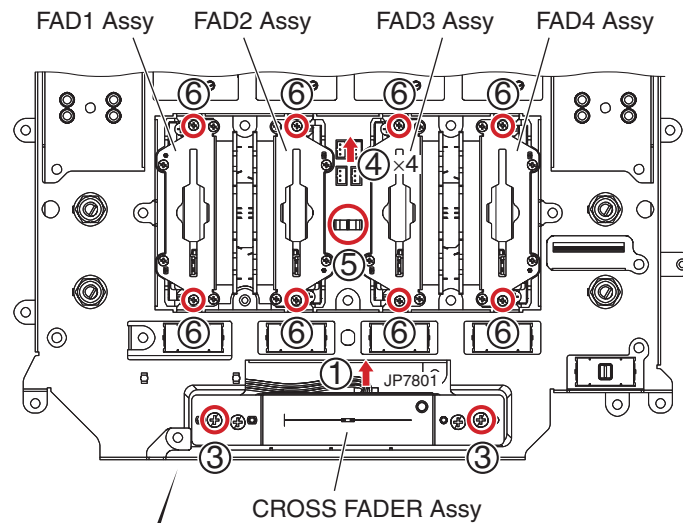
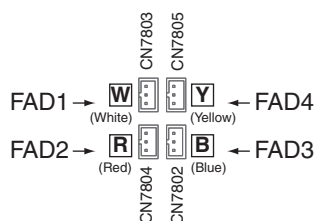


A [4] Fader Section

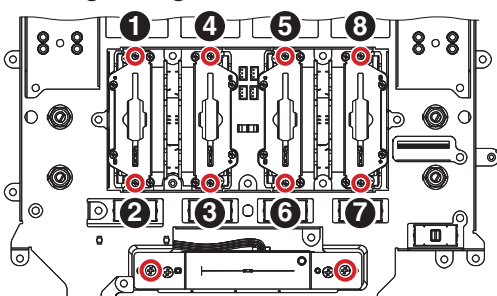
- (1) Disconnect the one connector.
(JP7801)
- (2) Release the two jumper wires.
- (3) Remove the CROSS FADER Assy by removing
the two screws.
(BBZ30P060FTB)
- (4) Disconnect the four connectors.
(CN7802 to 7805)
- (5) Release the jumper wire.
- (6) Remove the FAD1 to 4 Assemblies by removing
the eight screws.
(BSZ20P040FTB)

• Connectors color

Match the color of a connected connector.

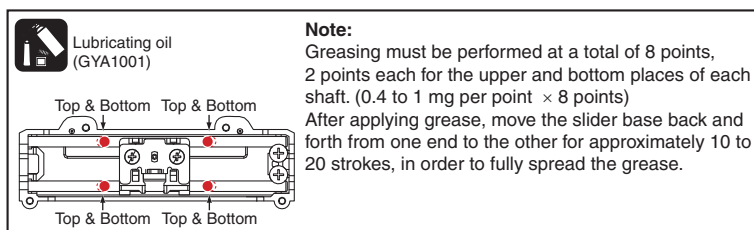
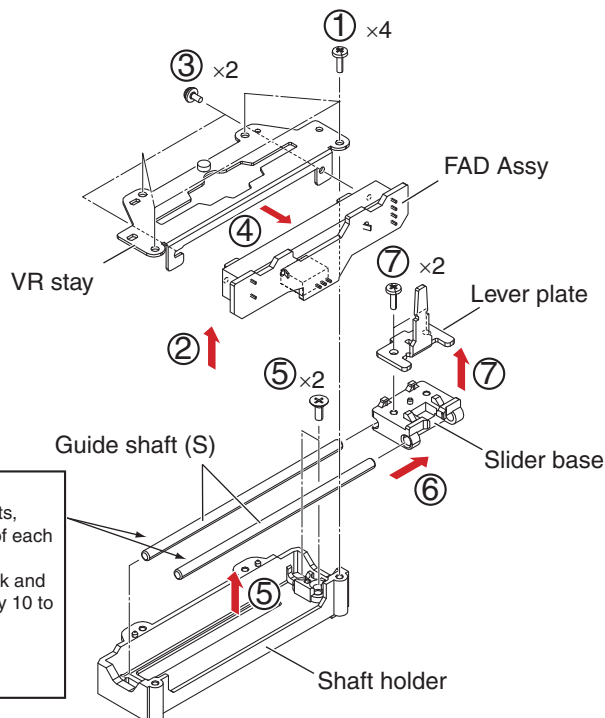


Screw tightening order



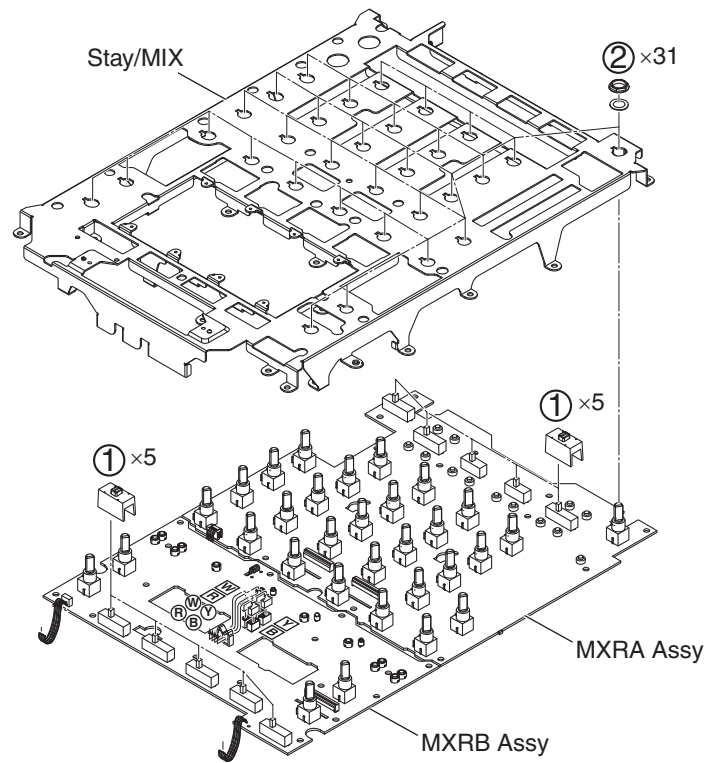
• FAD1 to FAD4 Assemblies

- (1) Remove the four screws.
(BPZ20P060FTC)
- (2) Remove the FAD Assy with VR stay.
- (3) Remove the two screws.
(PMH20P040FTC)
- (4) Remove the FAD Assy.
- (5) Remove the two screws and remove the
guide shaft (S) and slider base section.
(CPZ26P080FTC)
- (6) Remove the slider section from guide shaft (S).
- (7) Remove the two screws and remove the
lever plate.
(BPZ20P060FTC)



[5] Mixer Section

- (1) Remove the five Slide SW Caps, five Slide SW Caps (W).
- (2) Remove the Stay/MIX by removing the 31 washers and nuts.

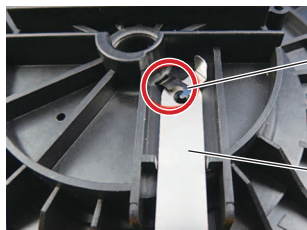


A [6] Jog dial Section

• JOGTL, JOGTR and JOGR Assemblies

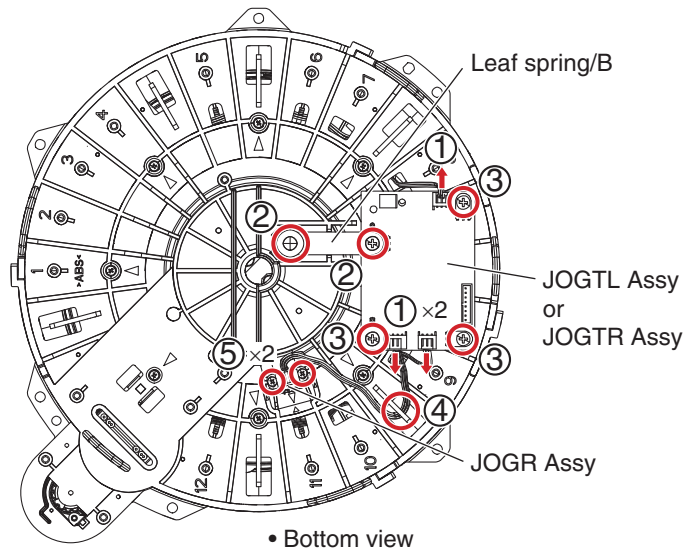
- (1) Disconnect the three connectors.
(CN8602 to 8604 or CN8702 to 8704)
- (2) Remove the Leaf spring/B by removing the two screws.
(DBA1260, BPZ30P080FNI)
- (3) Remove the JOGTL or JOGTR Assy by removing the three screws.
(BPZ30P080FNI)
- (4) Release the jumper wire.
- (5) Remove the JOGR Assy by removing the two screws.
(BPZ20P060FTC)

• Leaf spring position



Leaf spring/C
(upper)

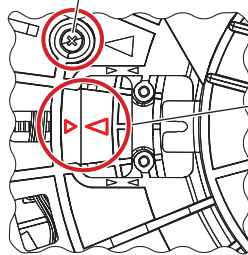
Leaf spring/B
(lower)



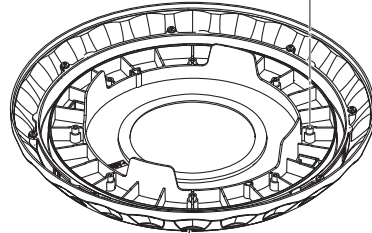
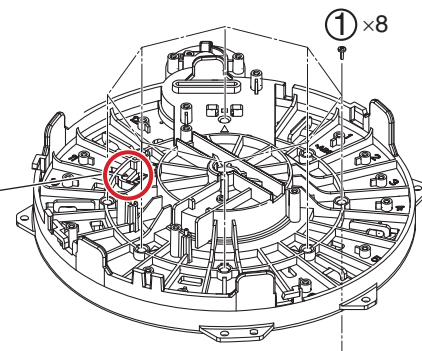
• Jog dial AB Assy

- (1) Remove the Jog dial AB Assy by removing the eight screws.
(BPZ20P060FTC)

See a screw in the hole.



Reach at the position where a screw appears from the hole when you match triangle marks.



Jog dial AB Assy

• Bottom view

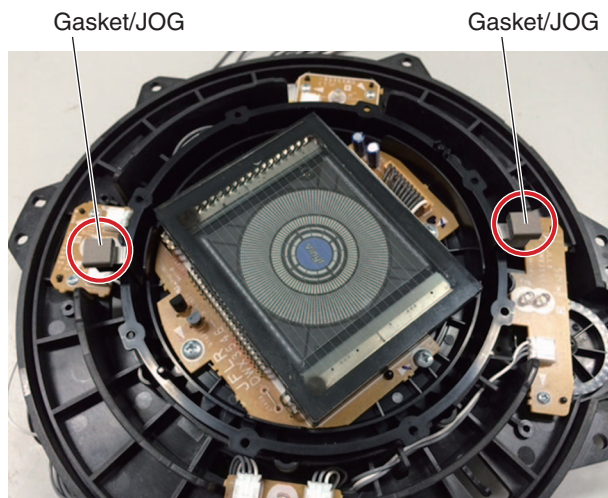


• Notes on Disassembly/Reassembly of the Jog dial AB Assy

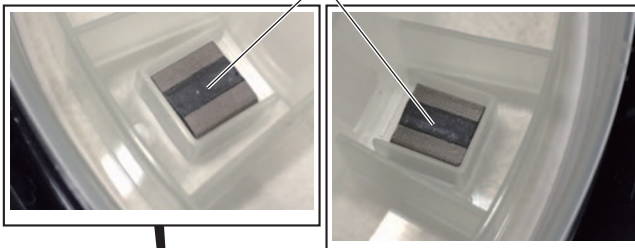
When reassembling the Jog dial AB Assy (exterior components of the Jog rotor) after it is disassembled, remove the two attached Gasket/JOG (DEC3556) from the leaf spring/A (DBK1379), attach them to the Jog dial AB Assy, then reassemble it. For details on the reassembly method, see the photos below.

Rationale:

If the Jog dial AB Assy is reassembled with the Gasket/JOG attached to the leaf spring/A, the Gasket/JOG may not come into proper contact with the Jog dial AB Assy.

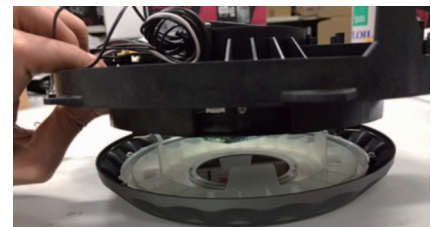
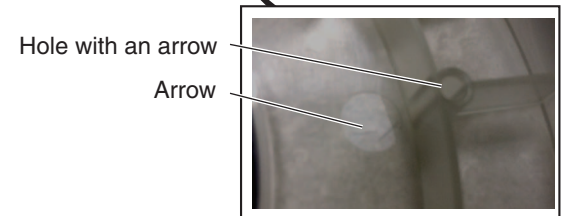
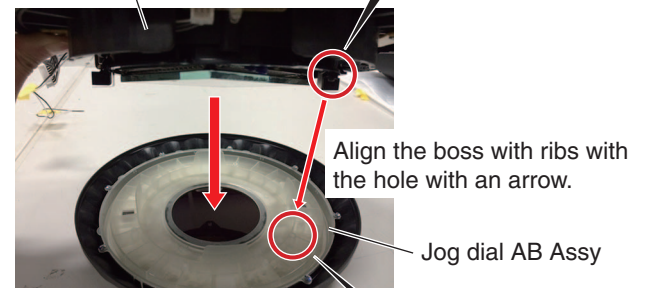
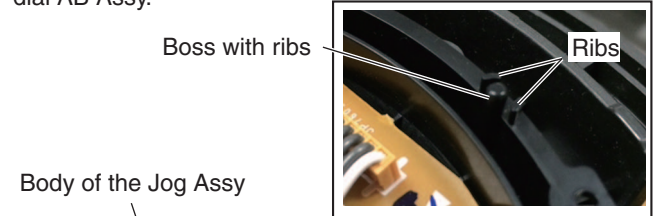


Remove the Gasket/JOG then install them into these places.
(Be careful of the orientation of the double-back tape.)



Jog dial AB Assy

Turn the body of the Jog Assy over then attach it to the Jog dial AB Assy.



Note:

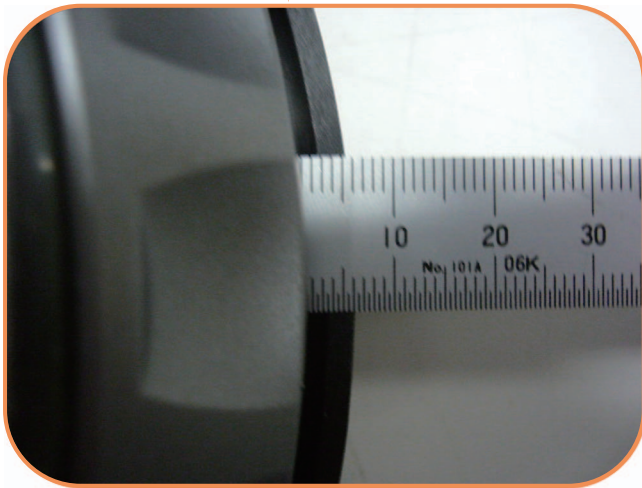
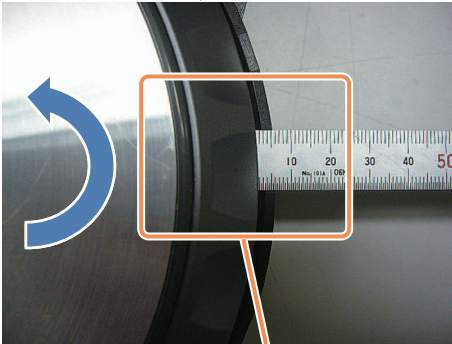
After reassembly, make sure that the JOG FEELING ADJUST control can turn smoothly.

A • How to Measure the Eccentricity of the Jog Dial

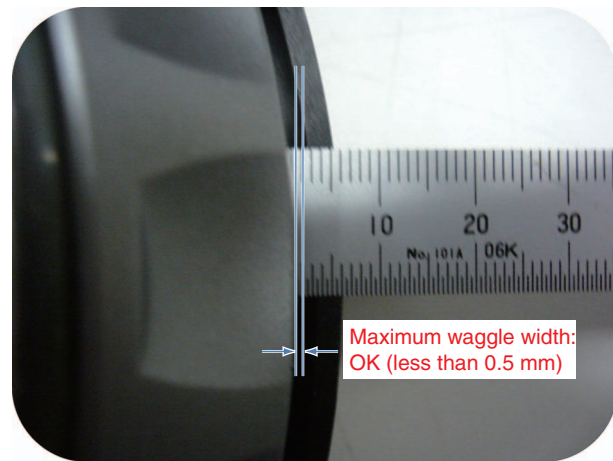
On the production line, the Jog dial is assembled such that there is no eccentricity. During servicing, it is required to accurately reassemble the Jog dial after disassembly so that there is no eccentricity, following the procedures shown below.

Specifications: 0.5 mm or less

- ① Insert a metal type measure into the gap of the reassembled Jog dial.
 - ② Rotate the Jog dial and check the waggle width of the Jog dial/B (DNK6272).
 - ③ If the waggle width is 0.5 mm or less, reassembly is properly made.
- If it is not OK, check Sections A and B indicated on the next page.

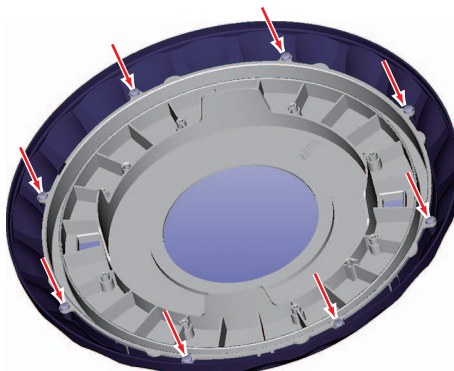


Example



Section A

During reassembly of the Jog dial AB Assy (Jog dial/A [DNK6271] and Jog Dial/B [DNK6272]), the Assy may become distorted when the screws (BPZ20P060FTC) are tightened.

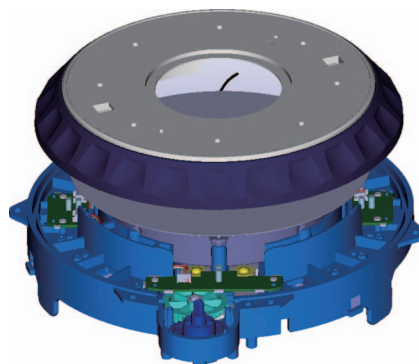


After Section A is repaired, follow the procedure indicated below to check the eccentricity before actual reassembly.

- ① Place the reassembled Jog Dial AB Assy on the Jog-dial unit.
- ② Measure the eccentricity of the Jog dial, as indicated on the previous page, before securing the screws indicated in Section B.

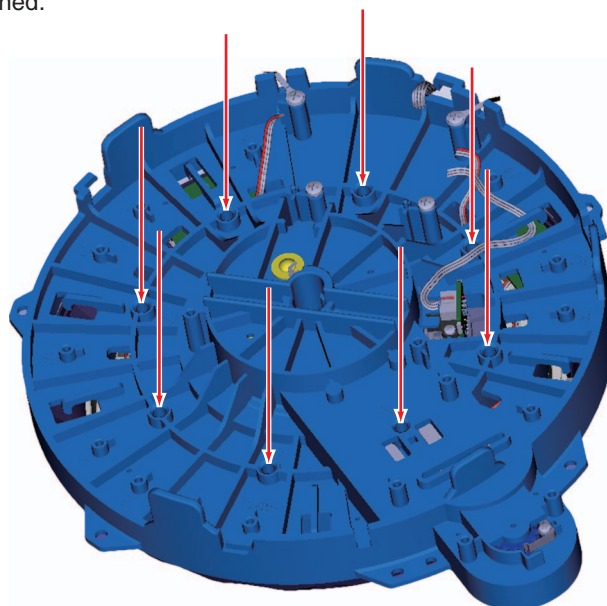
Note: In this step, the eccentricity of the Jog dial AB Assy itself is measured.

- ③ If the maximum wobble width is 0.5 mm or less, Section A is OK.



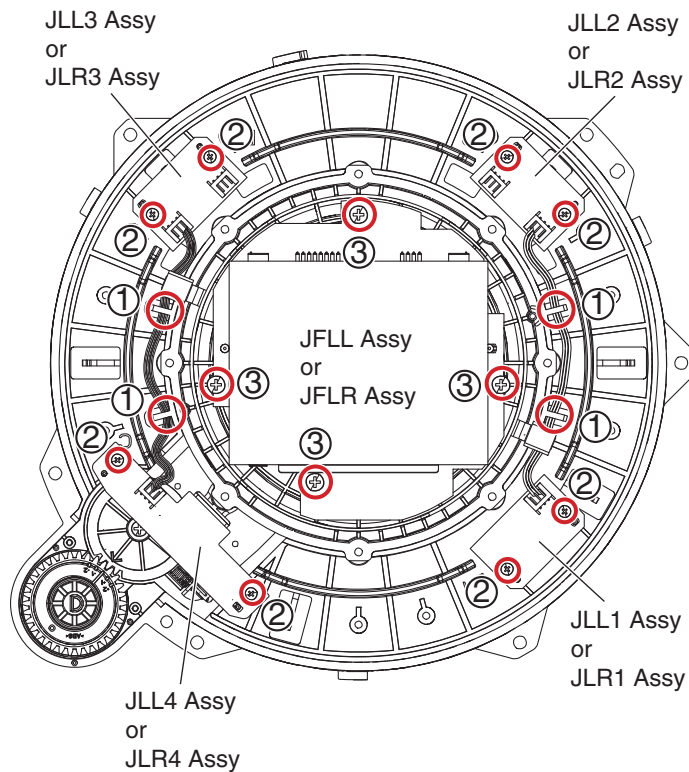
Section B

During reassembly of the Jog Dial AB Assy on the Jog-dial unit, the Assy may become distorted when the screws (BPZ20P060FTC) are tightened.



A • JFLL, JFLR, JLL1 to 4, JLR1 to 4 Assemblies

- (1) Release the four points of jumper wire.
- (2) Remove the JLL1 to 4 Assemblies or JLR1 to 4 Assemblies by removing the eight screws. (BPZ20P060FTC)
- (3) Remove the JFLL or JFLR Assemblies by removing the four screws. (BPZ30P060FTC)



• Bottom view

D • Notes on Disassembly of the Jog dial base Assy

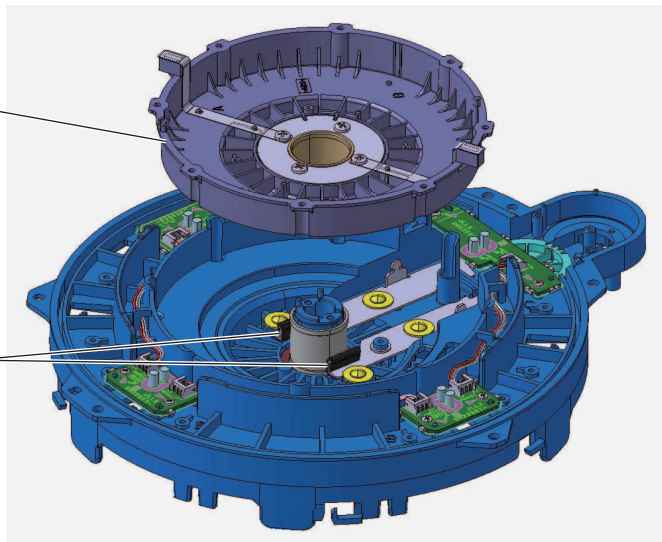
If the Jog dial base Assy is disassembled during repair, be sure to replace the two Felt/JOG (DED1187) with new ones.

Rationale:

When the Jog dial base Assy is disassembled, some grease may get on the Felt/JOG, which function as brakes. This may disable delivery of brake performance as required in the specifications.

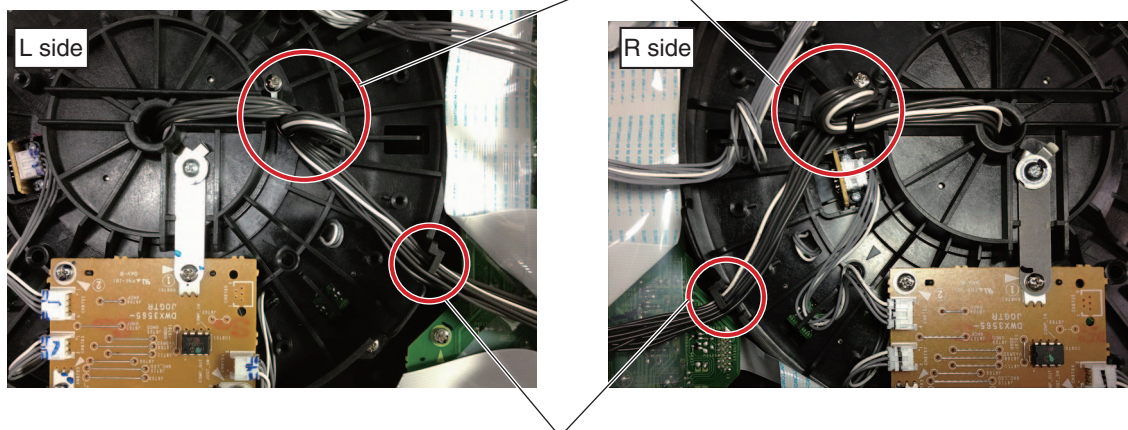
Jog dial Base Assy

Felt/JOG

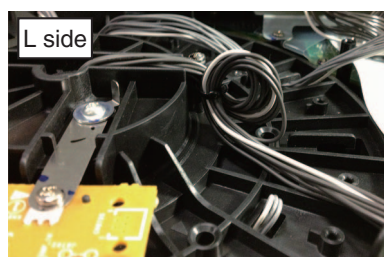


• Notes on Cable Styling of the JFLL and JFLR Assys

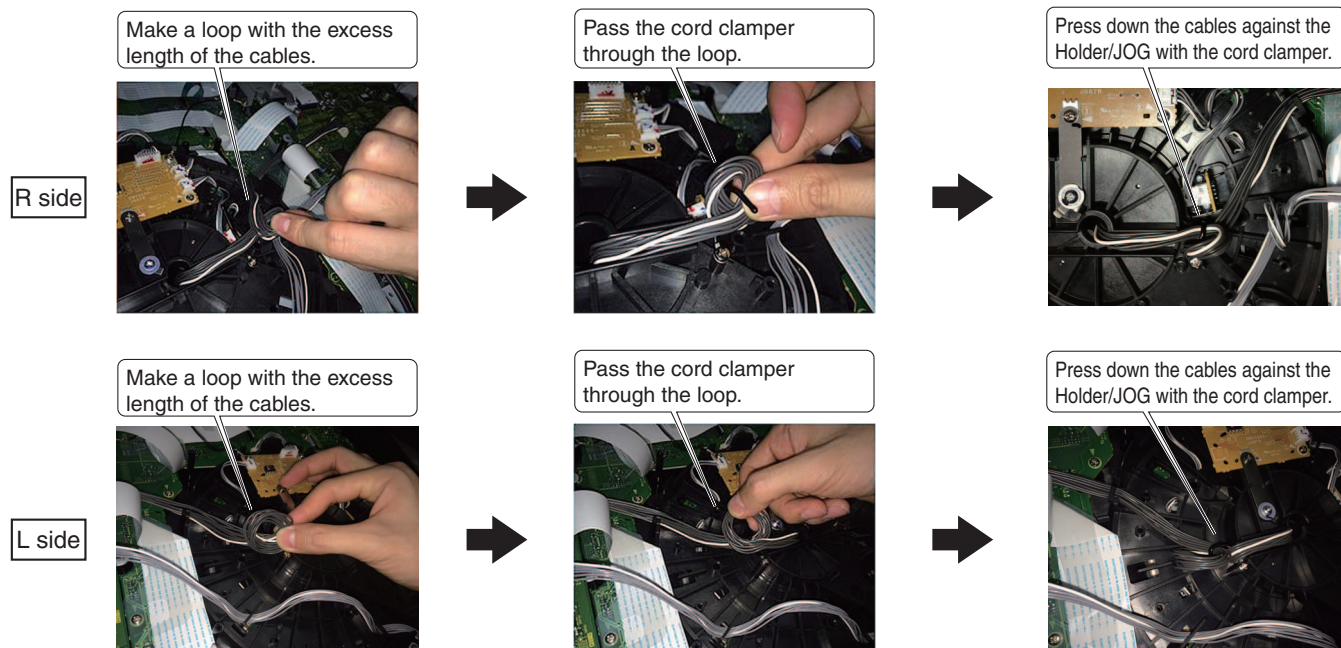
Make a loop to stow the excess length of the cables.



Pass the cables through the hook of the Holder/JOG.



Detailed procedure of how to style the excess length of the cables



8. EACH SETTING AND ADJUSTMENT

8.1 NECESSARY ITEMS TO BE NOTED

A

After repairing, be sure to check the version of the firmware, and if it is not the latest one, update to the latest version.
When the following parts are replaced, confirmation of the version of the firmware, updating to the latest version of the firmware.

- IC storing firmware and calibration value: IC3001, MAIN Assy

⇒

• Confirmation of the version of the firmware

• Updating to the latest version of the firmware

• Crossfader, PAD calibration

- CROSS FADER Assy, Performance pads section (Button/PAD, Sensor, Bracket/FSR)

⇒

• Calibration

Details of "Calibration", see "Crossfader calibration mode", "PAD calibration mode" on "6.1 TEST MODE".

- Jog dial section component part (See "9.7 JOG DIAL SECTION".)

⇒

• Confirmation of the specified value by Jog dial Rotation Time measurement mode

C

D

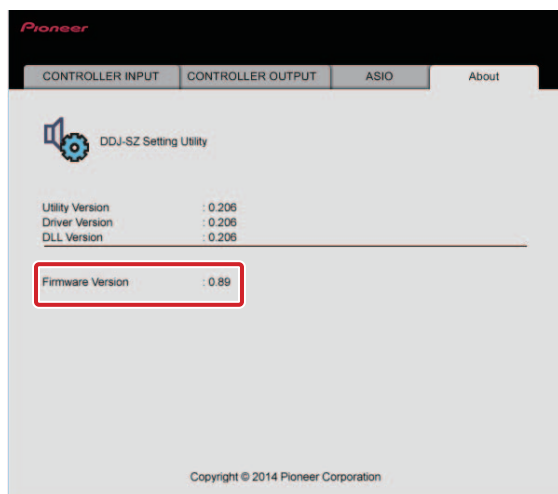
E

F

8.2 UPDATING OF THE FIRMWARE

A. Check the current DDJ-SZ version.

1. Connect your computer with DDJ-SZ.
2. Start the Setting Utility on your PC, as follows:
With Windows OS:
Select Start, All Programs, Pioneer, DDJ-SZ, then the DDJ-SZ Setting Utility.
With Mac OS:
Select Applications, Pioneer, DDJ-SZ, then the DDJ-SZ Setting Utility.
3. Check the firmware version.
If the firmware version displayed on the About tab is x.xx.



B. Check the downloaded file.

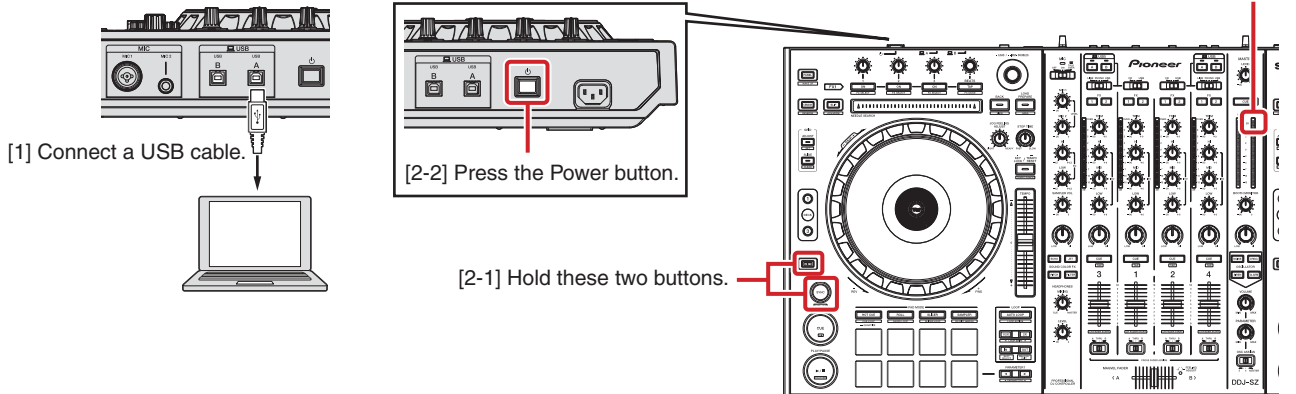
1. Unzip the downloaded file.
For Windows:
Save the downloaded file [DDJ-SZ_vxxx_Win.zip] to an arbitrary directory such as desktop and unzip it.

For MacOS:
Save the downloaded file [DDJ-SZ_vxxx_Mac.zip] to an arbitrary directory such as desktop and double click to mount it.
 2. Check the unzipped file.
For Windows:
The [DDJ-SZ_vxxx_Win] folder is generated when the file is unzipped.
Please ensure the following file is included in the folder.
 - ① [DDJ-SZ_UP.upd]
 - ② [DDJ-SZUpdater.exe]
 - ③ pcupdate.dll
For MacOS:
The [DDJ-SZ_vxxx_Mac] folder is generated when the file is extracted.
Please ensure the following file is included in the folder.
 - ① [DDJ-SZUpdate.app]
- xxx is the version of the new firmware.
 - Extension (.exe or .app) might not be shown depending on your computer settings.

A C. Set up DDJ-SZ for updating:

1. Connect your computer with DDJ-SZ.
Connect your computer and the DDJ-SZ (connect USB-A) using a USB cable.
2. Go into update mode.
While holding [Left DECK SYNC] and [Left DECK SHIFT] buttons, press the Power button to go into update mode.
The top LED on MASTER level indicator (R) blinks when in the update mode.

B



C D. Update the firmware from your computer:

1. Start updating your firmware.
Close all the applications before you start updating.

<STEP1> Start the updater program.

For Windows:

Double click [DDJ-SZUpdater.exe] to start the updater program.

For MacOS:

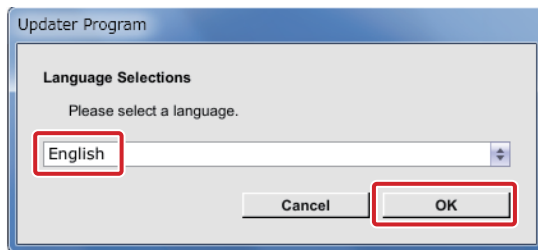
Double click [DDJ-SZUpdate.app] to start the updater program.

<STEP2> Select a language.

Select a language from the dropdown list and click [OK].

The figure below shows selecting English.

D



· If the message "Your DDJ-SZ is not connected" is displayed when you click on [OK], see "Corrective actions to be taken when 'Your DDJ-SZ is not connected' is displayed:" described later.

E

<STEP3> Check the version.

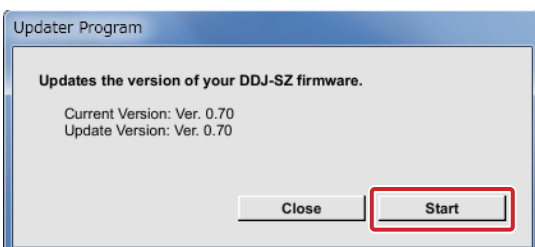
Ensure that the version for this update is x.xx and click [Start].

The figure below shows an example.

DO NOT remove Power and/or USB cables during updating.

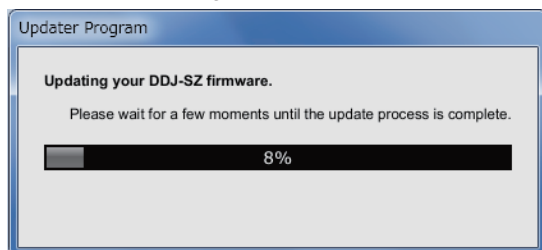
Use the AC adapter when a notebook computer is used.

F

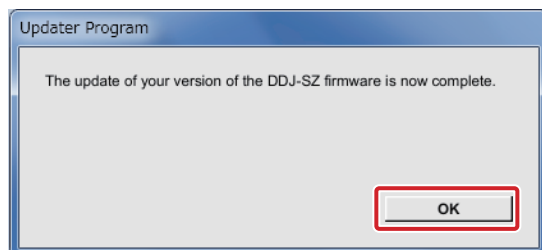


Update screen during updating

Please wait until the progress bar on the screen reaches 100%.



- <STEP4> Update screen when the update is completed
 Make sure that the update process has been completed.
 When the following "Update completed" message appears, click [OK].



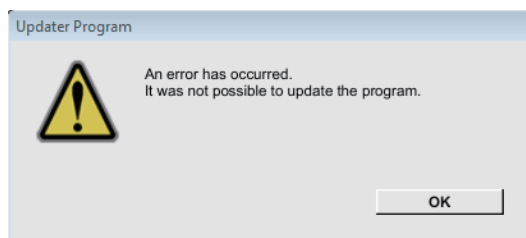
- <STEP5> Restart DDJ-SZ.
 Please turn off the power of DDJ-SZ and then turn it on again.

E. Check the current version.

Check the firmware version of DDJ-SZ in the same procedure with "A. Check the current DDJ-SZ version.".
 Update is completion if you consist in the version that a firmware version wants to update.

If updating failed:

If the error message shown below is displayed during updating, turn off the DDJ-SZ then proceed with the steps from the beginning.
 However, in such a case, if the unit is turned ON by pressing the Power button, although the unit apparently starts in Update mode, the updating procedure from such a state will definitely fail. Be sure to press the SYNC and SHIFT buttons simultaneously to enter Update mode.



If you accidentally turn the unit off during updating, turn the unit off again before performing the updating procedures again from the beginning.

If the unit apparently enters Update mode when you turn the unit on by pressing the Power button, turn the unit off then back on again by simultaneously pressing the SYNC and SHIFT buttons to enter Update mode, as in the case mentioned above.

If nothing is displayed when the unit is turned on or updating is not completed even after performing the updating procedures again from the beginning, IC3001 may be in failure. Replace IC3001 or the whole MAIN Assy.

A **Corrective actions to be taken when "Your DDJ-SZ is not connected" is displayed:**

If "Your DDJ-SZ is not connected" is displayed after selection of the language, check the following:



B

- Is the USB cable connected to the USB-A connector?
If it is not, connect the cable to the USB-A connector then perform the updating procedure again.
 - If the above-mentioned message is displayed even if the USB cable is connected to the USB-A connector, perform the updating procedure indicated below.
- ① Uninstall the DDJ-SZ driver software.

[How to uninstall the DDJ-SZ driver software]

With Windows OS:

Click on Start, Control Panel, Programs, Programs and Functions, Pioneer DDJ-SZ Driver, then Uninstall.

With Mac OS:

Double-click on the driver-software icon then double-click on "DDJ-SZ Uninstaller.app."

Follow the instructions displayed on the screen of the PC.

C

Visit the Website indicated below to download the latest version of the driver software:

<http://pioneerdj.com/support/index.php?lang=ja>

- ② Update the firmware again.
 - ③ After updating of the firmware is completed, install the driver software again.
- For details on how to install the driver software, refer to the operating instructions of the DDJ-SZ.

D

[Reference Information]

You can run this updater program only on the following OS:

Windows: Windows Vista/ Windows 7/ Windows 8

MacOS: OS X 10.6/ 10.7/ 10.8/ 10.9

It will take approximately 2 minutes to complete the update process.

The screen displays shown in this manual are under development and are subject to change.

E

F

8.3 ITEMS FOR WHICH USER SETTINGS ARE AVAILABLE

This unit is provided with user settable items, as shown below.

If the corresponding part or board Assy is replaced for repair, change the user resettable settings to those noted on the Check Sheet before starting repair. If resetting is not possible, when returning the repaired product, be sure to tell the customer that the Utility settings have been cleared and will have to be reset, as required.

Item for Which User's Setting is Available		Setting Value (The factory default settings are indicated in bold.) / Indication method	Part Name	Content to be Stored
MIDI controller setting		Operations to be switched in response to running /not running of Serato DJ / Forced operations to be generally expected from the MIDI controller [KEY LOCK] button unlit / [KEY LOCK] button lit	IC3001 (MAIN Assy)	Utility setting
Fader start setting		With SYNC / Without SYNC / function disabled EFFECT PARAMETER 1 button lit / EFFECT PARAMETER 2 button lit / EFFECT PARAMETER 3 button lit		
Attenuator level setting of the MASTER output		0 dB (no attenuation) / -3 dB / -6 dB [HOT CUE] mode button lit / [ROLL] mode button lit / [SLICER] mode button lit		
Slip mode flushing setting		Mode 1 / Mode 2 / Off Determin by a lighting state of the performance pad. (Details, see operating instructions.)		
Demo mode setting		Demo mode to be started after 10 minutes of nooperation / to be started after 5 minutes of nooperation / to be started after 1 minute of nooperation / Demo mode disabled [FILTER] button lit / [PITCH] button lit / [JET] button lit / [ECHO] button lit		
Sampler velocity mode	Velocity curve setting	Curve 1 / Curve 2 / Curve 3 / Curve 4 [LOOP 1/2X] button lit / [LOOP 2X] button lit / [LOOP IN] button lit / [LOOP OUT] button lit		
	After touch setting	Settings enabled / Settings disabled [SAMPLER] mode button lit / [SAMPLER] mode button unlit		
Jog dial MIDI message sending interval setting		3 ms / 4 ms / 5 ms / 6 ms / 7 ms / 8 ms / 9 ms / 10 ms / 11 ms / 12 ms / 13 ms The setting value is indicated by the number of lit LEDs of the level indicators; the LEDs of the left level indicator represent the tens digit and those of the right level indicator represent the units digit.		
Auto standby function setting		Auto standby function enabled / Auto standby function disabled [GRID ADJUST] button lit / [GRID ADJUST] button unlit		
[NEEDLE SEARCH] pad operation limit setting		[NEEDLE SEARCH] pad operation to be limited / [NEEDLE SEARCH] pad operation NOT to be limited [CENSOR] button lit / [CENSOR] button unlit		
Talk over	Mode setting	Advanced • Talk over mode / Normal • Talk over mode [GRID SLIDE] button lit / [GRID SLIDE] button unlit		
	Level setting	-6 dB / -12 dB / -18 dB / -24 dB Deck 1 Performance pad 1 lit / 2 lit / 3 lit / 4 lit		
Cross fader cut rag adjustment value setting		0 (0.74 mm) / 1 to / 6 / to 51 / 52 (5.94 mm) The setting value is indicated by the number of lit LEDs of the level indicators; the LEDs of the CH3 level indicator represent the tens digit and those of the CH1 level indicator represent the units digit.		
Microphone output setting to BOOTH monitor		Microphone audio to be output from the BOOTH OUT connector / Microphone audio NOT to be output from the BOOTH OUT connector [BACK (VIEW)] button lit / [BACK (VIEW)] button unlit		
Peak limiter setting		Peak limiter enabled / Peak limiter disabled [LOAD PREPARE (AREA)] button lit / [LOAD PREPARE (AREA)] button unlit		
Jog ring brightness adjustment		Brightly lit / dimly lit / unlit Illumination of the outer rim of the Jog dial: Bright/dim/unlit		

Each of the above items can be set in Utilities modes.

Before entering Utilities mode, be sure to turn the unit off then disconnect the USB cable that connects the PC and this unit. To enter Utilities mode, in Standby mode press the  button on the rear panel of this unit while simultaneously holding the SHIFT and PLAY/PAUSE  buttons on the left deck pressed.

A ■ Sheet for confirmation of the user setting

MIDI controller setting												Fader start setting			
Operations to be switched in response to running not running of Serato DJ						Forced operations to be generally expected from the MIDI controller						With SYNC		Without SYNC	Function disabled
Attenuator level setting of the MASTER output						Slip mode flushing setting									
0 dB		-3 dB		-6 dB		Mode 1		Mode 2		Off					
Demo mode setting															
Start after 10 min of nooperation				Start after 5 min of nooperation				Start after 1 min of nooperation				disabled			
Sampler velocity modea															
Velocity curve setting												After touch setting			
Curve 1		Curve 2		Curve 3		Curve 4		enabled		disabled					
Jog dial MIDI message sending interval setting										Auto standby function setting					
3 ms	4 ms	5 ms	6 ms	7 ms	8 ms	9 ms	10 ms	11 ms	12 ms	13 ms	enabled		disabled		
[NEEDLE SEARCH] pad operation limit setting						Cross fader cut rag adjustment value setting									
limit		Non limit													
Talk over															
Mode setting						Level setting									
Advanced		Normal		-6 dB		-12 dB		-18 dB		-24 dB					
Microphone output setting to BOOTH monitor						Peak limiter setting				Jog ring brightness adjustment					
Output		Non output		enabled		disabled		Lit brightly		Lit dark		Unlit			

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- B



(1) PACKING SECTION PARTS LIST

Mark	No.	Description	Part No.
⚠	1	USB Cable	DDE1128
	2	Power Cord	See Contrast table (2)
	3	CD-ROM (Installation Disc)	DXX2754
	4	Operating Instructions (Basic Edition)	See Contrast table (2)
	5	Operating Instructions (Basic Edition)	See Contrast table (2)
	6	Operating Instructions (Basic Edition)	See Contrast table (2)
	7	Pad/F	DHA1904
	8	Pad/R	DHA1905
	9	Packing Board/ACC	DHC1084
	10	Packing Case	See Contrast table (2)
	11	Mirror Mat (1200*1000)	DHL1169
NSP	12	Polyethylene Bag	AHG7117
NSP	13	Warranty Card	See Contrast table (2)

(2) CONTRAST TABLE

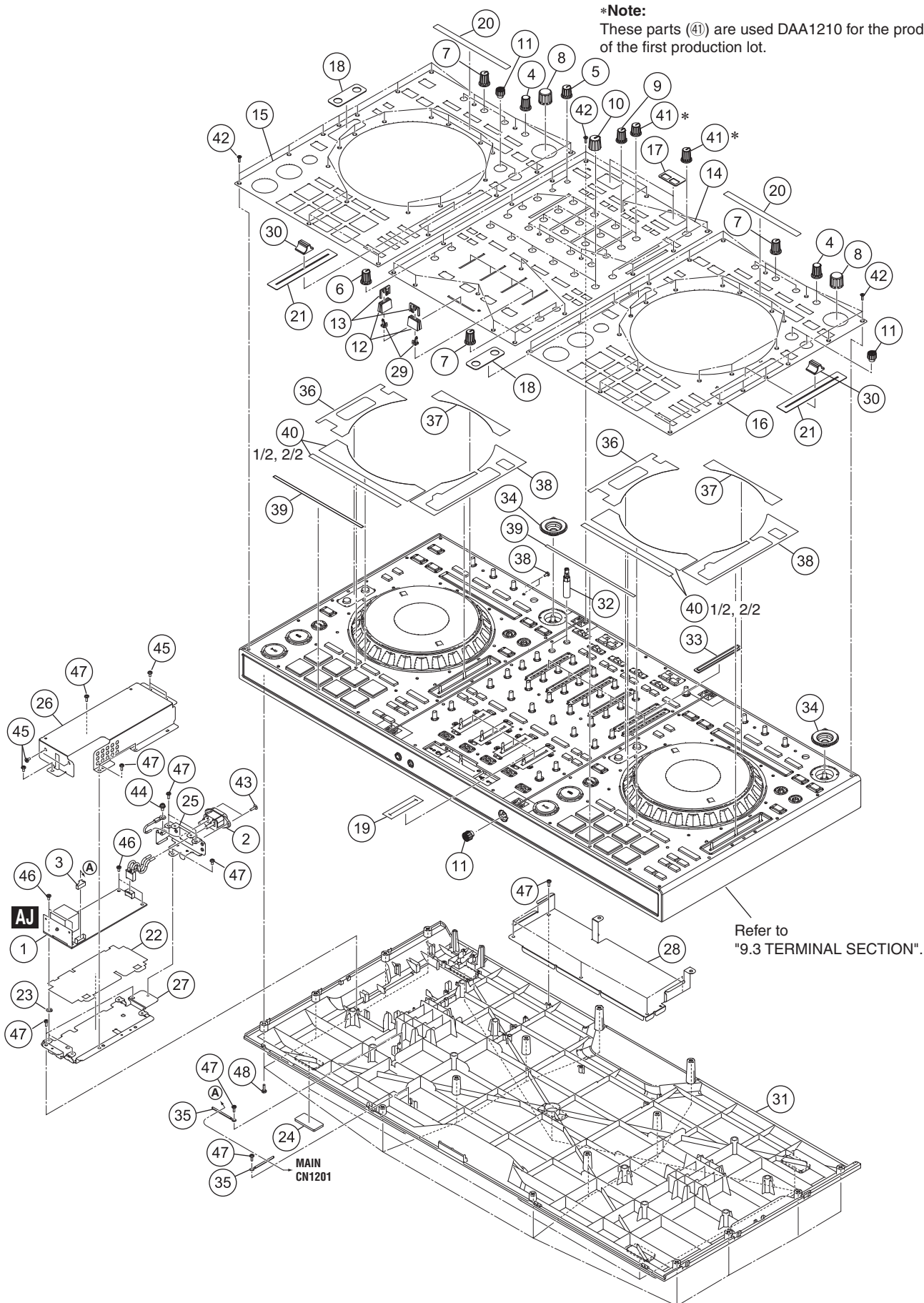
DDJ-SZ/UXJCB, LSYXJ8 and XJCN5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DDJ-SZ /UXJCB	DDJ-SZ /LSYXJ8	DDJ-SZ /XJCN5
⚠	2	Power Cord	DDG1108	ADG1244	DDG1114
	4	Operating Instructions (Basic Edition)(En)	DRH1247	Not used	Not used
	5	Operating Instructions (Basic Edition)(En, Fr, De, It, NI, Es, Pt, Ru)	Not used	DRH1249	Not used
	6	Operating Instructions (Basic Edition)(Zhcn)	Not used	Not used	DRH1250
	10	Packing Case	DHG3305	DHG3304	DHG3308
NSP	13	Warranty Card	Not used	ARY7158	Not used

9.2 TOP and CHASSIS SECTION

*Note:

These parts (41) are used DAA1210 for the products of the first production lot.



TOP and CHASSIS SECTION PARTS LIST

Mark No.	Description	Part No.	
⚠	1 POWER SUPPLY Assy	DWR1463	
⚠	2 AC Inlet/3P	DKP3954	A
	3 Crimp Connector/6P	DKP3956	
	4 Rotary Sw Knob (C)	DAA1180	
	5 Knob (MA)	DAA1210	
	6 Knob (Black)	DAA1212	■
	7 Rotary Knob (BN)	DAA1220	
	8 Dial Knob	DAA1259	
	9 Knob/RSW	DAA1305	
	10 Knob/FRE	DAA1309	
	11 Knob/CFC	DAA1326	B
	12 Slider Knob 1	DAC2684	
	13 Slider Knob 2	DAC2685	
	14 Plate/MIX	DAH2976	
	15 Plate/DEL	DAH2982	
	16 Plate/DER	DAH2983	■
	17 Panel/USB	DAH2984	
	18 Panel/DEC	DAH2986	
	19 Fader Packing	DEC3355	
	20 Sheet/CDC	DEC3532	C
	21 Sheet/TMP	DEC3541	
	22 Barrier/SWP	DEC3553	
	23 Washer/PWR	DEC3554	
	24 Sheet/LEG	DEC3557	
	25 Bracket/ACI	DNF1932	■
	26 Shield Case/U	DNH3142	
	27 Shield Case/L	DNH3143	
	28 Shield Plate	DNH3155	
	29 Slider Knob Stopper	DNK5888	D
	30 Knob/SLD	DNK5981	
	31 Chassis	DNK6286	
	32 Shaft/EXT	DNK6305	
	33 Lens/LVL	DNK6306	■
	34 Ring/BRS	DNK6312	
	35 Cord Clamper (Steel)	RNH-184	
	36 DS Tape/ALL	DEH1048	
	37 DS Tape/ALT	DEH1049	
	38 DS Tape/ALR	DEH1050	E
	39 DS Tape/ALB	DEH1051	
	40 DS Tape/PAJ	DEH1056	
	41 Knob/SHR	DAA1333	
	42 Screw	CPZ26P080FTB	■
	43 Screw	IBZ30P080FTB	
	44 Screw	PMH40P080FTC	
	45 Screw	BBZ30P060FTB	
	46 Screw	BBZ30P080FTB	F
	47 Screw	BPZ30P080FNI	
	48 Screw	BPZ30P100FTB	

9.3 TERMINAL SECTION

A

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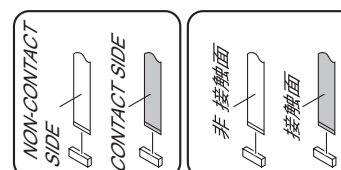
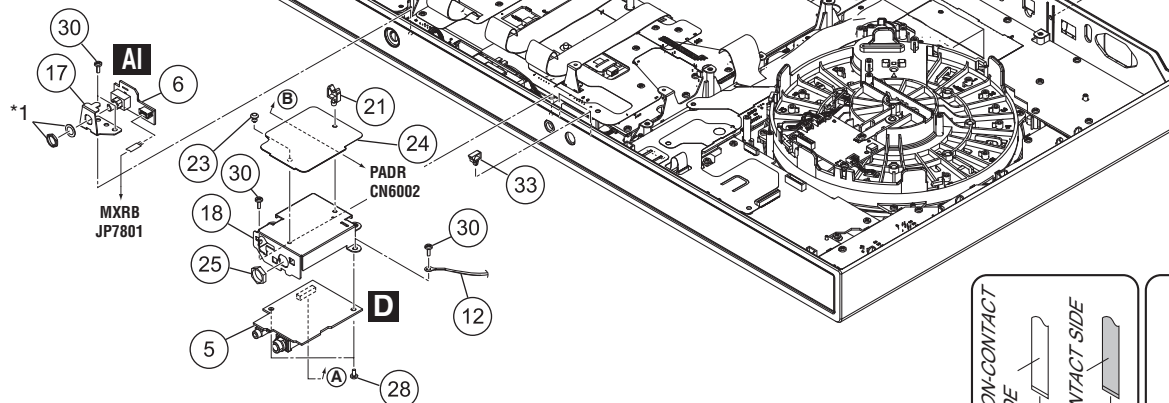
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Refer to
"9.4 CONTROL PANEL SECTION".

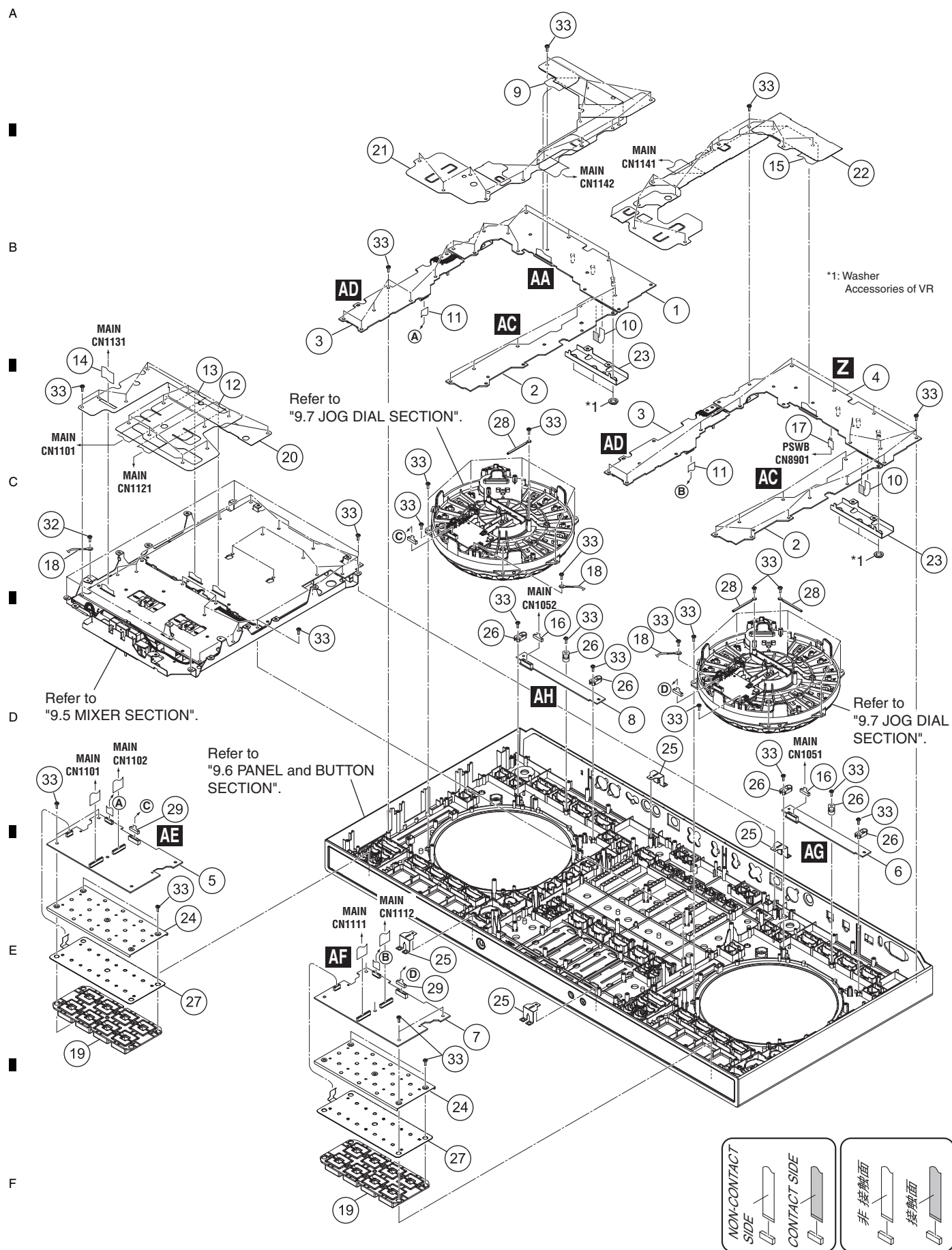
*1: Washer and Nut
Accessories of VR



TERMINAL SECTION PARTS LIST

Mark No.	Description	Part No.	
1	MAIN Assy	DWX3535	
2	USBB Assy	DWX3555	A
3	AIJK Assy	DWX3536	
4	AOJK Assy	DWX3537	
5	HPJK Assy	DWX3538	
6	CRFCV Assy	DWX3547	
7	PSWB Assy	DWX3560	
8	STRB Assy	DWX3585	
9	Shielded Conn-Cable	DDA1048	
10	FFC/23P	DDD1658	
11	FFC/25P	DDD1659	B
12	Earth Lead Wire	DE012VC0	
13	Earth Terminal	DKE1015	
14	Power Knob	DAC2306	
15	Sheet/LEG	DEC3534	
16	Bracket/TRM	DNF1933	
17	Stay/CFC	DNF1935	
18	Stay/HP	DNF1937	
19	Plate/MGD	DNH3139	
20	Shield Plate/USB	DNH3156	C
21	Holder	VEC1355	
22	Cord Clamper (Steel)	RNH-184	
23	Push Rivet	XEC3034	
24	Barrier/HP	DEC3548	
25	Nut (M12)	NKX2FNI	
26	Spring Lock Washer	WS40FNI	
27	Screw (M3*5)	DBA1340	
28	Screw	BBZ30P060FTB	
29	Screw	BBZ30P080FTB	D
30	Screw	BPZ30P080FNI	
31	Screw	BPZ30P080FTB	
32	Screw	PPZ30P080FTB	
33	Locking Mini Clamp	DEC2439	

9.4 CONTROL PANEL SECTION



CONTROL PANEL SECTION PARTS LIST

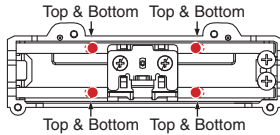
Mark No.	Description	Part No.	
1	DEUP Assy	DWX3548	A
2	KSWB Assy	DWX3549	
3	SLDB Assy	DWX3550	
4	DEUPR Assy	DWX3580	
5	PADL Assy	DWX3553	
6	CDCL Assy	DWX3554	
7	PADR Assy	DWX3583	
8	CDCR Assy	DWX3584	
9	FFC/32P	DDD1657	
10	FFC/15P	DDD1660	
11	FFC/13P	DDD1661	B
12	FFC/25P	DDD1662	
13	FFC/23P	DDD1663	
14	FFC/27P	DDD1664	
15	FFC/32P	DDD1672	
16	Crimp Connector	PF08PP-B30	
17	Jumper Wire	D20PYY0310E	
18	Earth Lead Wire	DE012VC0	
19	Button/PAD	DEB2005	
20	Barrier/MIX	DEC3545	
21	Barrier/DEL	DEC3546	C
22	Barrier/DER	DEC3547	
23	Stay/PL	DND1279	
24	Bracket/FSR	DNF1930	
25	Plate/ART	DNH3144	
26	CDC Stopper	DNK5863	
27	Sensor	DSX1124	
28	Cord Clamper (Steel)	RNH-184	
29	Connector Assy	PF08PP-B07	
30			
31			D
32	Screw	BBZ30P060FTB	
33	Screw	BPZ30P080FNI	

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9.5 MIXER SECTION

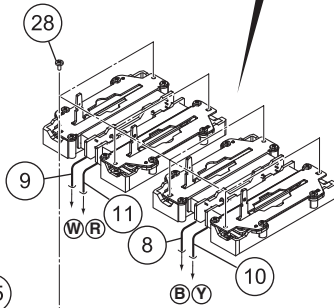
A



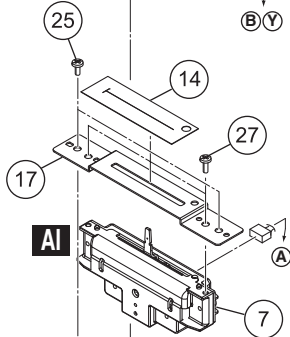
Note:

Greasing must be performed at a total of 8 points, 2 points each for the upper and bottom places of each shaft. (0.4 to 1 mg per point × 8 points)
After applying grease, move the slider base back and forth from one end to the other for approximately 10 to 20 strokes, in order to fully spread the grease.

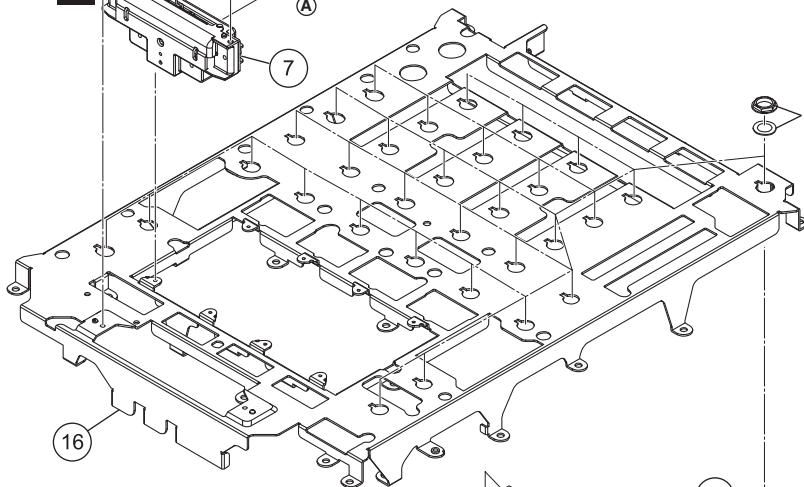
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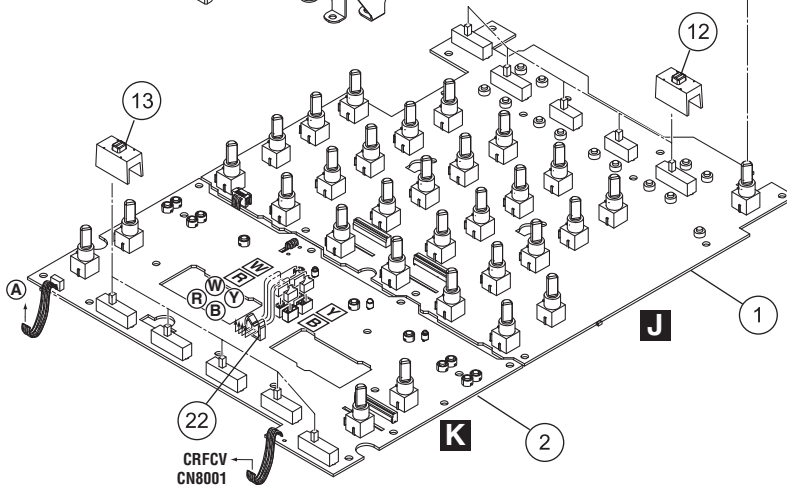
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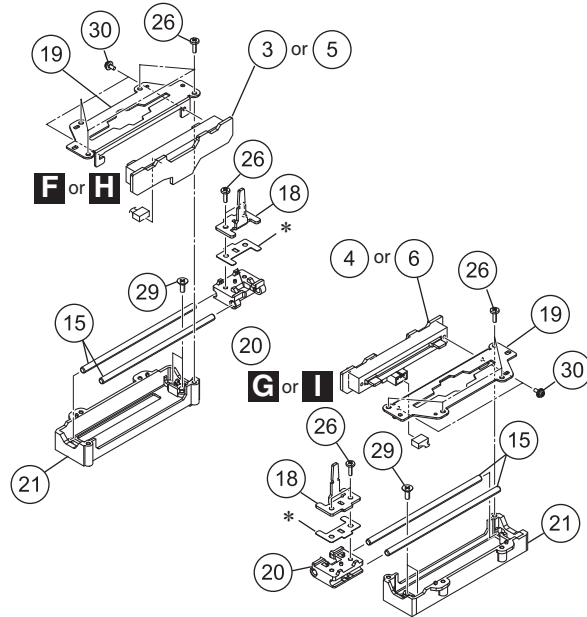
D



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***Note:**

The spacer/CHF (Part No.: DEC3558) is used only for the products of the first production lot.

Be sure to insert the spacer into the position shown in the figure during reassembly after disassembly.

MIXER SECTION PARTS LIST

Mark No.	Description	Part No.	
1	MXRA Assy	DWX3543	
2	MXRB Assy	DWX3544	A
3	FAD1 Assy	DWX3540	
4	FAD2 Assy	DWX3541	
5	FAD3 Assy	DWX3539	
6	FAD4 Assy	DWX3542	■
7	CROSS FADER Assy	DXA2257	
8	Connector Assy	PF03PP-B12	
9	Connector Assy	PF03PP2B07	
10	Connector Assy	PF03PP4B12	
11	Connector Assy	PF03PP6B07	B
12	Slide SW Cap	DAC2400	
13	Slide SW Cap (W)	DAC2401	
14	Packing/FAD	DEC3542	
NSP 15	Guide Shaft (S)	DLA1918	■
16	Stay/MIX	DND1280	
17	Stay/CRF	DNF1936	
18	Lever Plate	DNH2954	
19	VR Stay	DNH2955	
20	Slider Base	DNK5851	C
21	Shaft Holder	DNK5852	
22	Holder	VEC1355	
23			
24			
25	Screw	BBZ30P060FTB	■
26	Screw	BPZ20P060FTC	
27	Screw	BPZ30P080FNI	
28	Screw	BSZ20P040FTB	
29	Screw	CPZ26P080FTC	D
30	Screw	PMH20P040FTC	

1 2 3 4

9.6 PANEL and BUTTON SECTION

A

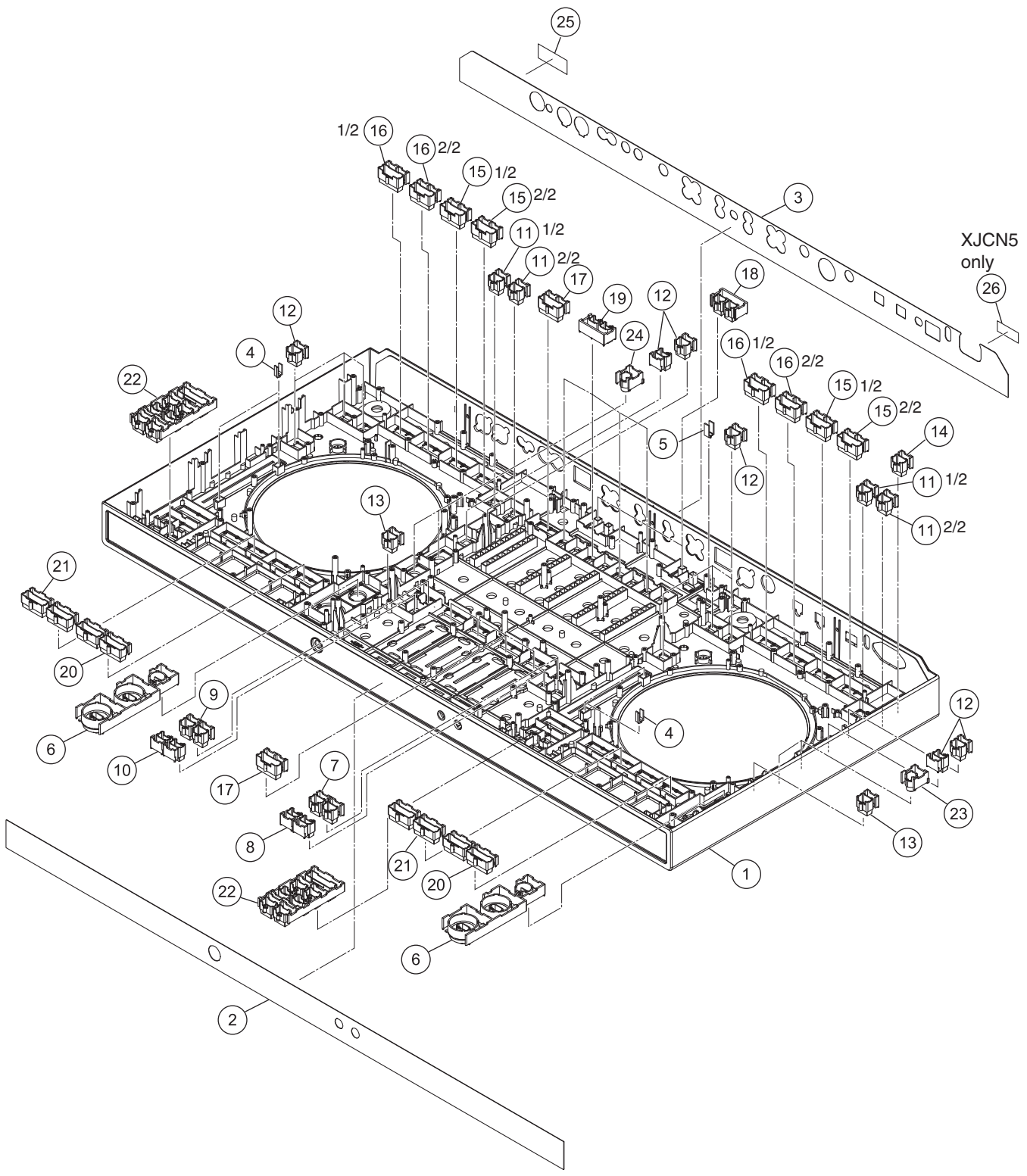
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(1) PANEL and BUTTON SECTION PARTS LIST

Mark No.	Description	Part No.	
1	Control Panel	DNK6285	
2	Sheet/FR	DAH2991	A
3	Sheet	See Contrast table (2)	
4	Lens/TMP	DNK6307	
5	Lens/MIC	DNK6308	
6	Button/PLY	DAC2982	
7	Button/CX1	DAC2983	
8	Button/CX2	DAC2984	
9	Button/FX1	DAC2985	
10	Button/FX2	DAC2986	
11	Button/CEN	DAC2987	B
12	Button/ANY	DAC2988	
13	Button/SHT	DAC2989	
14	Button/PNL	DAC2990	
15	Button/ON	DAC2991	
16	Button/TAP	DAC2992	
17	Button/CUE	DAC2993	
18	Button/USB	DAC2994	
19	Button/FX	DAC2995	
20	Button/PM1	DAC2996	C
21	Button/PM2	DAC2997	
22	Button/ATL	DAC2998	
23	Button/DEL	DAC3000	
24	Button/DEL	DAC3001	
NSP 25	Serial Label (UPC)	DRW2311	
NSP 26	Name Label /CSZ	See Contrast table (2)	

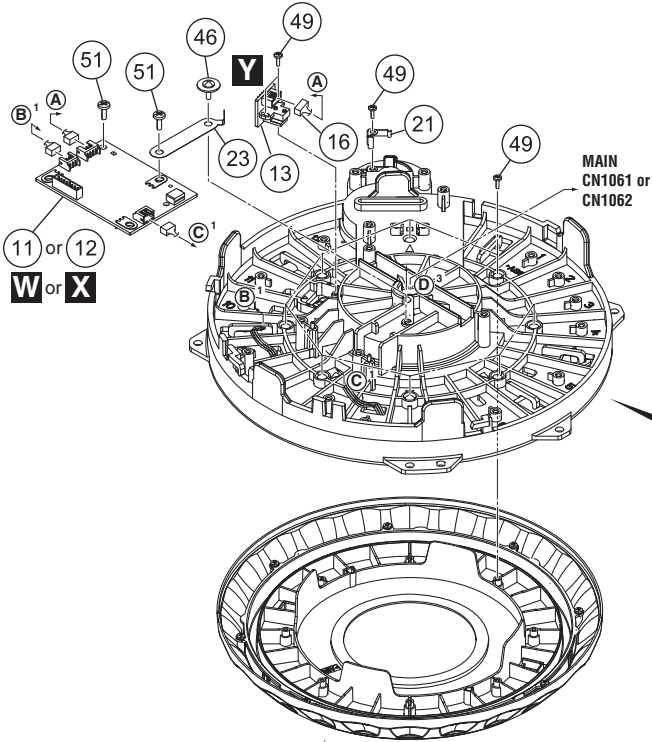
(2) CONTRAST TABLE

DDJ-SZ/UXJCB, LSYXJ8 and XJCN5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DDJ-SZ /UXJCB	DDJ-SZ /LSYXJ8	DDJ-SZ /XJCN5
	3	Sheet	DAH2992	DAH2992	DAH2994
NSP	26	Name Label/CSZ	Not used	Not used	DAL1269

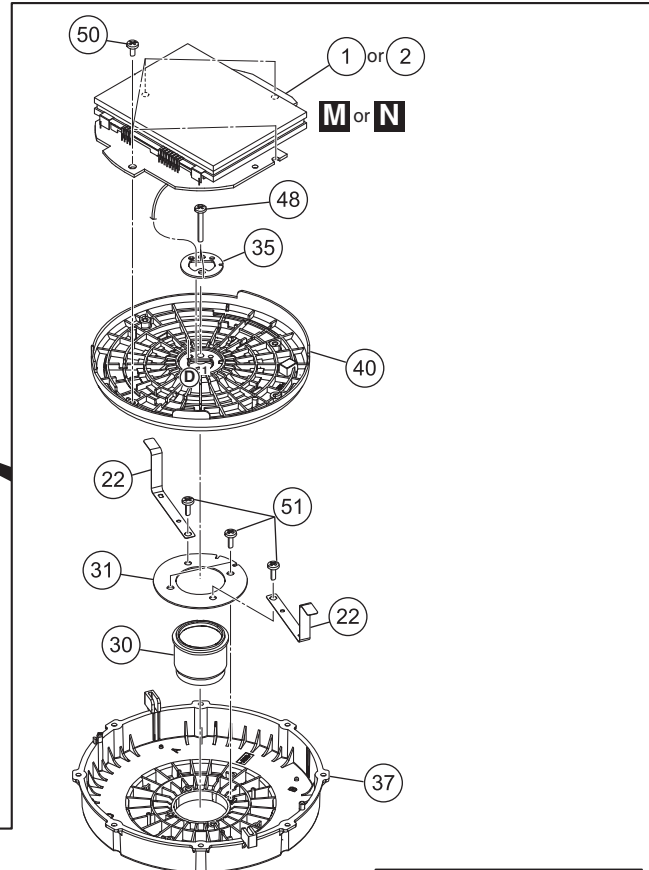
9.7 JOG DIAL SECTION

A

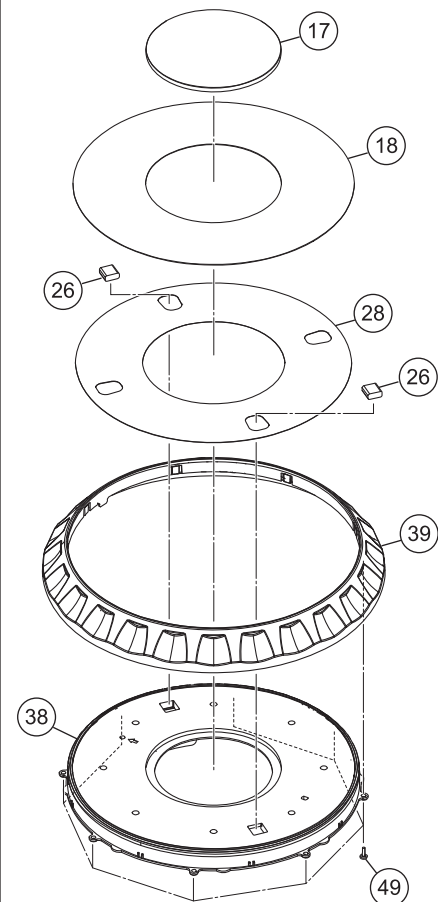


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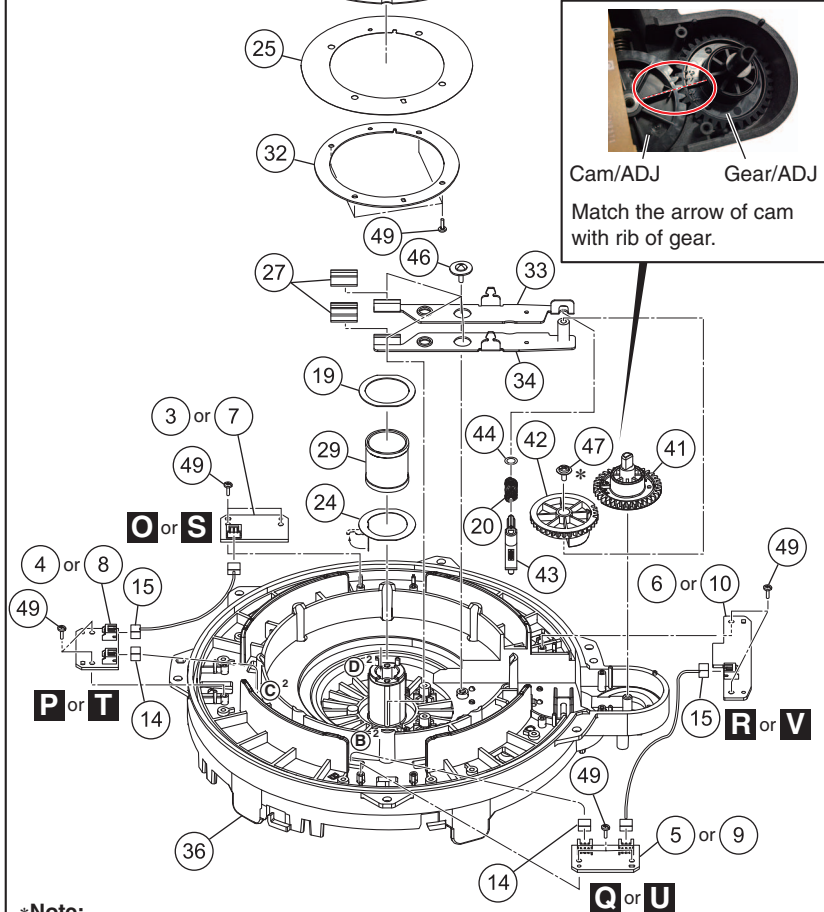


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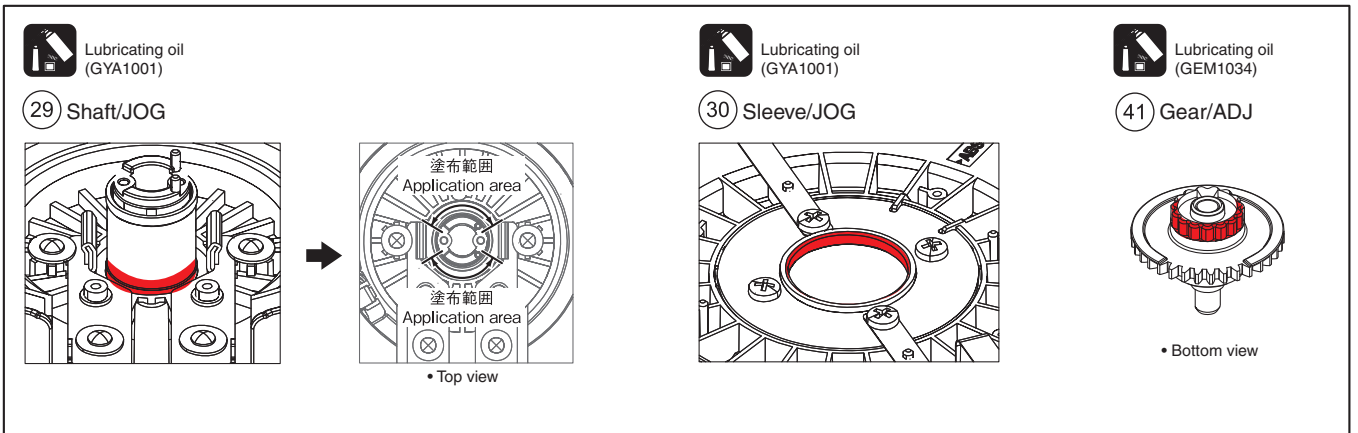
F



***Note:**

The AMZ30P060FTB screw (47) is used for the products of the first production lot.

DDJ-SZ



JOG DIAL SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	JFLL Assy	DWX3545	31	Bracket/JOG	DNH3130
2	JFLR Assy	DWX3546	32	Bracket/SLT	DNH3131
3	JLL1 Assy	DWX3556	33	Lever/A	DNH3132
4	JLL2 Assy	DWX3557	34	Lever/B	DNH3133
5	JLL3 Assy	DWX3558	35	Cover/JOG	DNH3159
6	JLL4 Assy	DWX3559	36	Holder/JOG	DNK6269
7	JLR1 Assy	DWX3561	37	Jog Dial/BAS	DNK6270
8	JLR2 Assy	DWX3562	38	Jog Dial/A	DNK6271
9	JLR3 Assy	DWX3563	39	Jog Dial/B	DNK6272
10	JLR4 Assy	DWX3564	40	Holder/FL	DNK6273
11	JOGTL Assy	DWX3551	41	Gear/ADJ	DNK6274
12	JOGTR Assy	DWX3565	42	Cam/ADJ	DNK6275
13	JOGR Assy	DWX3552	43	Pin/ADJ	DNK6276
14	Connector Assy	PF03PP-B07	44	Washer	WA41D070D025
15	Connector Assy	PF03PP-B12	45	•••••	
16	Connector Assy	PF04PP-B12	46	DM Screw (FTC)	DBA1260
17	Jog Panel	DAH2609	47	Screw	IMZ30P060FTB
18	Plate/JOG	DAH2915	48	Screw	BBZ30P180FTC
19	Washer/JOG	DBE1016	49	Screw	BPZ20P060FTC
20	Coil Spring/ADJ	DBH1802	50	Screw	BPZ30P060FTC
21	Leaf Spring/ADJ	DBK1376	51	Screw	BPZ30P080FNI
22	Leaf Spring/A	DBK1379			
23	Leaf Spring/B	DBK1380			
24	Leaf Spring/C	DBK1382			
25	Slit/JOG	DEC3515			
26	Gasket/JOG	DEC3556			
27	Felt/JOG	DED1187			
28	DS Tape/JOG	DEH1047			
29	Shaft/JOG	DLA2225			
30	Sleeve/JOG	DLA2226			

10.1 MAIN ASSY (1/14)

B

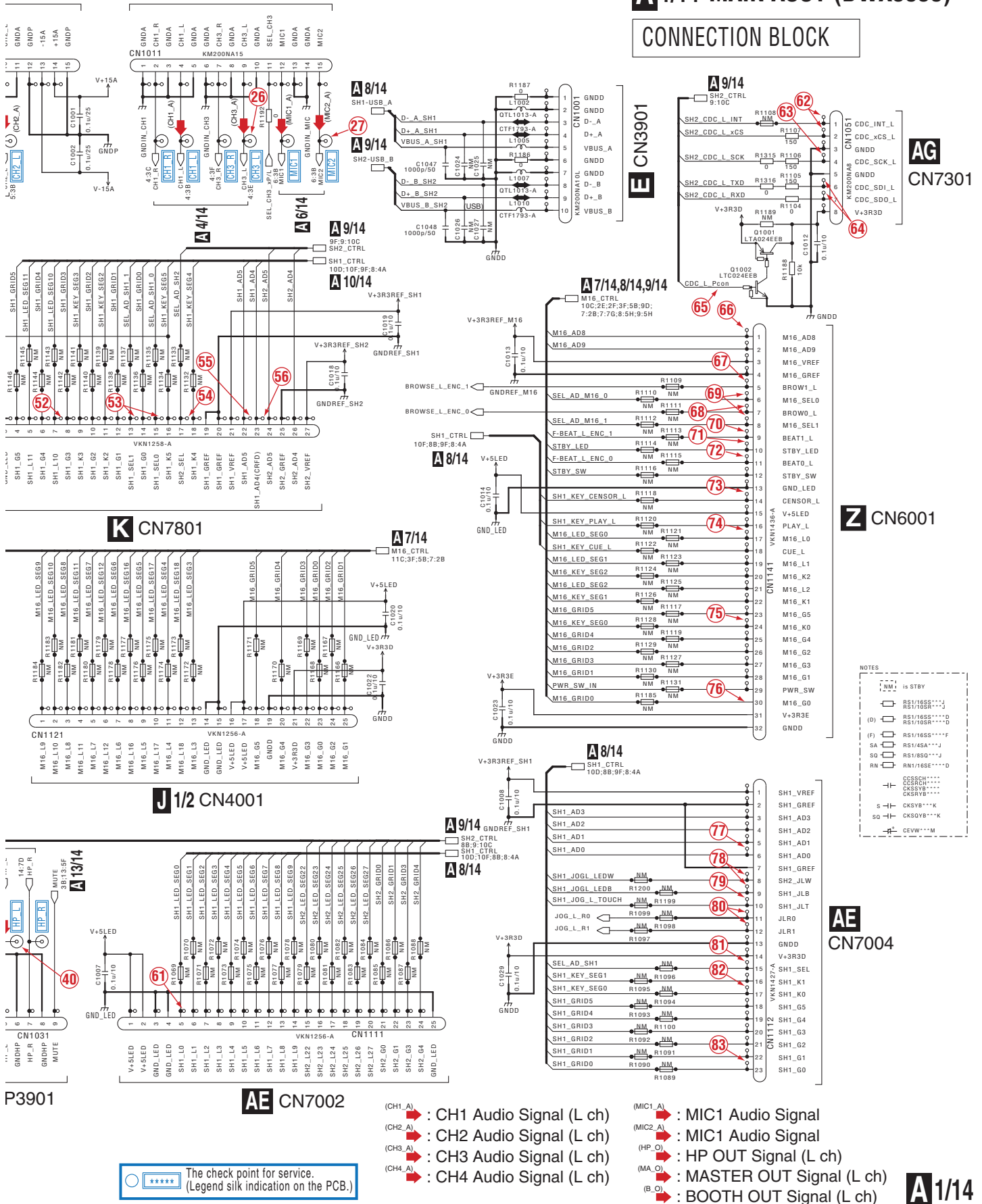


102

B 1/3 JP101

A 1/14 MAIN ASSY (DWX3535)

CONNECTION BLOCK



DDJ-SZ

89

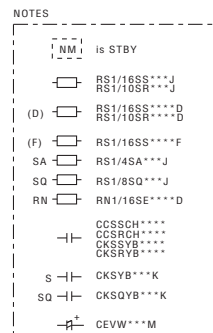
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A

[illegible][illegible]

A 7/14
 FAULT_DE
 7:90

POWER1



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

10.3 MAIN ASSY (3/14)

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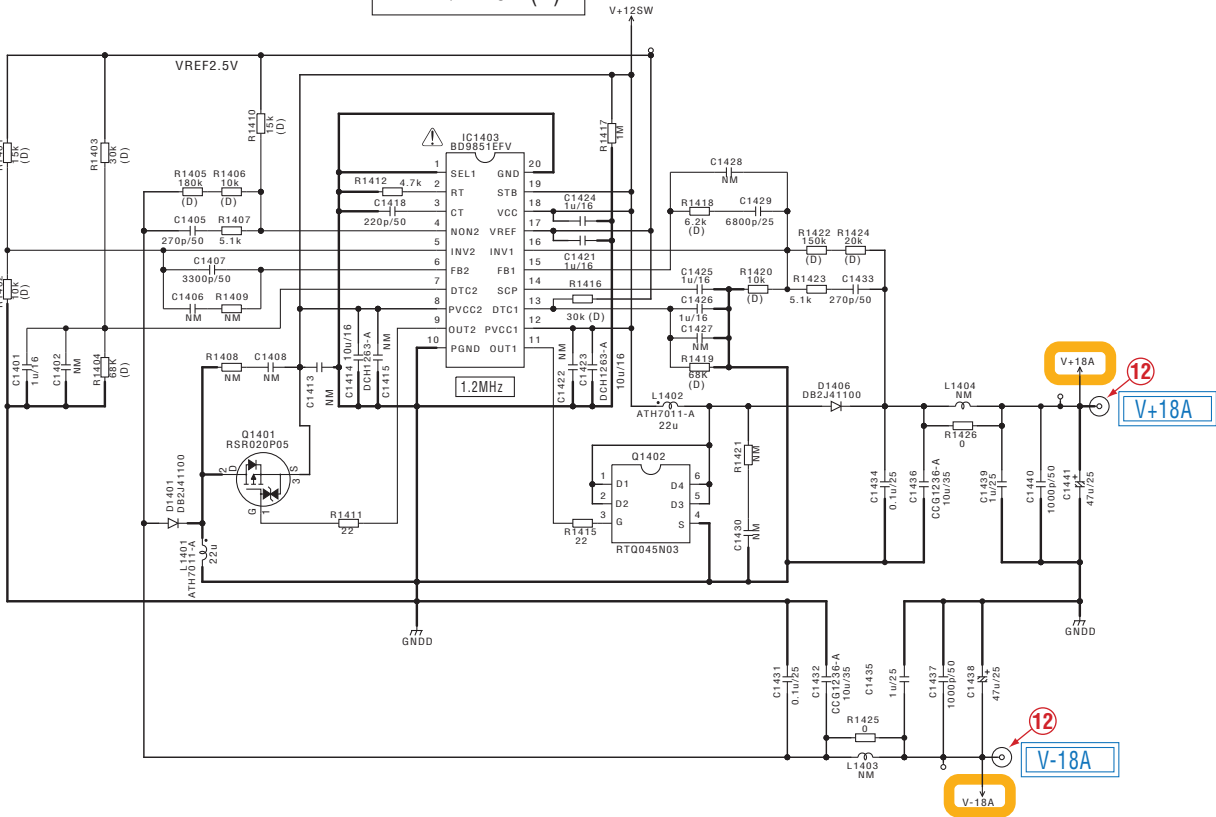
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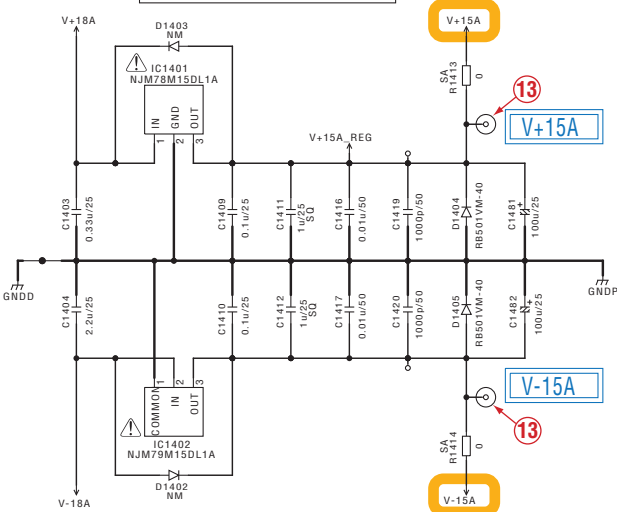
E

F

DC-DC Converter
12V → ±18V (A)



Regulator
+18V (A) → +15V (A)

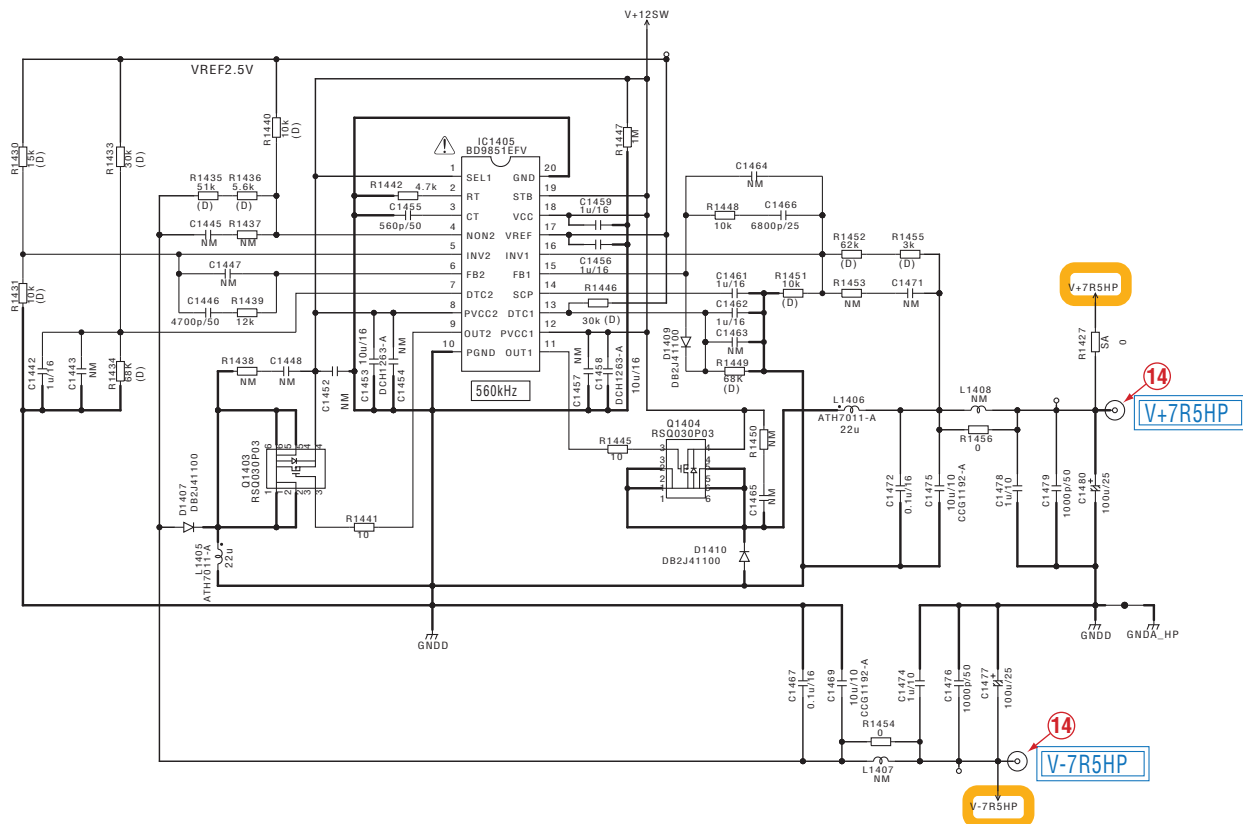


Regulator
-18V (A) → -15V (A)

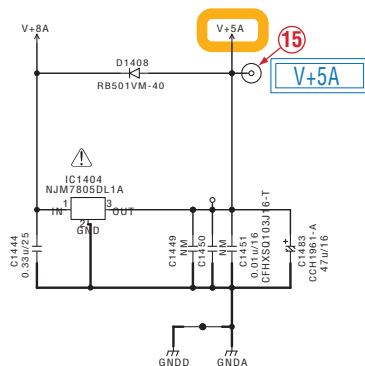
A 3/14 MAIN ASSY (DWX3535)

POWER2

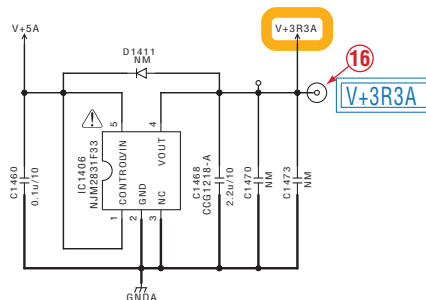
DC-DC Convertor
12V → ±7.5V (HP)



Regulator
7.9V (A) → 5V (A)



Regulator
5V (A) → 3.3V (A)



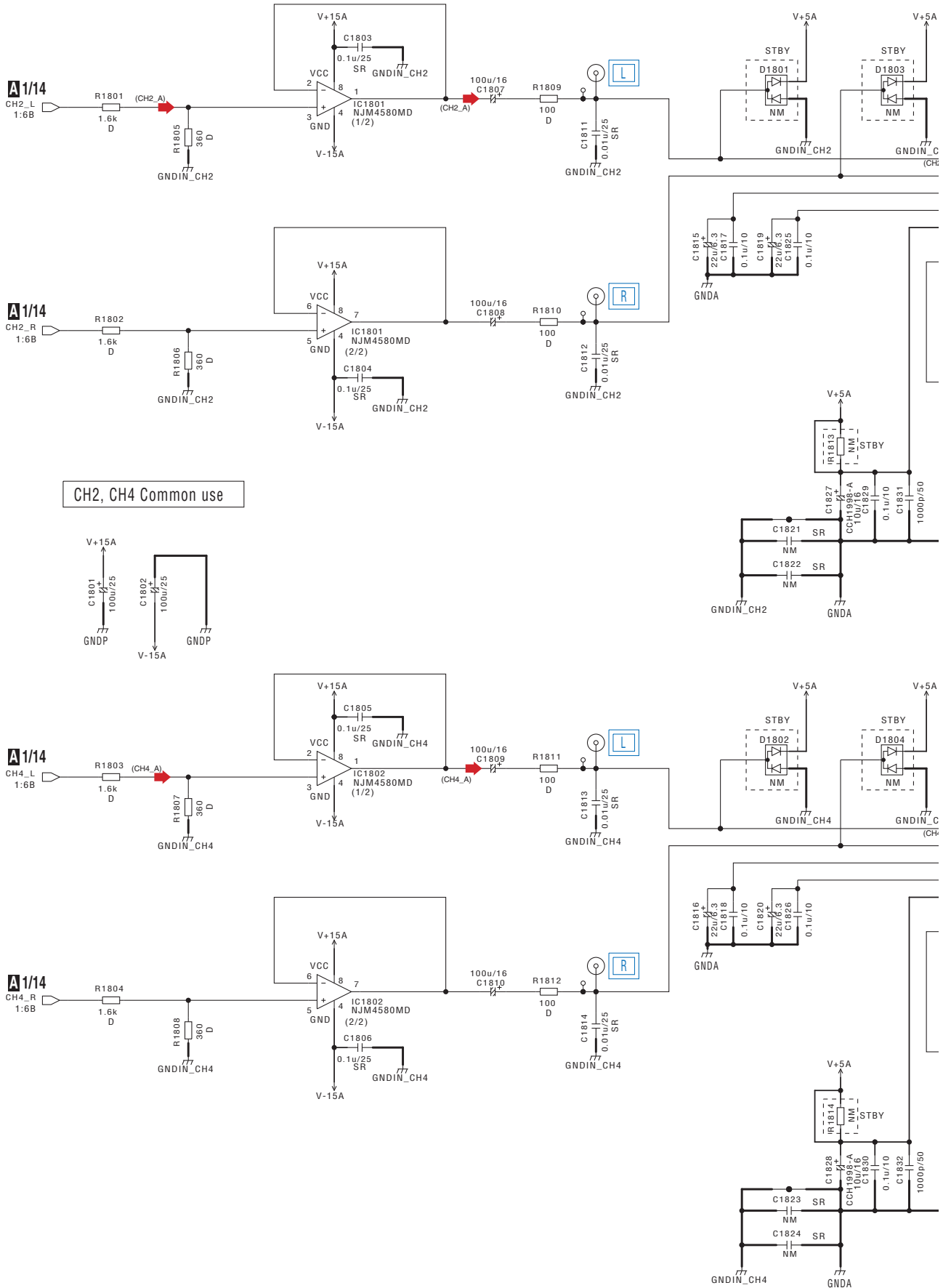
NOTES

□ NM	is STBY
□	RS1/16SS***J
□	RS1/10SR***J
(D) □	RS1/16SS***D
(F) □	RS1/16SS***F
SA □	RS1/4SA***J
SQ □	RS1/8SQ***J
RN □	RN1/16SE***D
□	CCSSCH***
□	CCSRCH***
□	CKSSYB***
□	CKSRYP***
S □	CKSYB***K
SQ □	CKSQYB***K
□	CEVW***M

△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。
The △ 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.

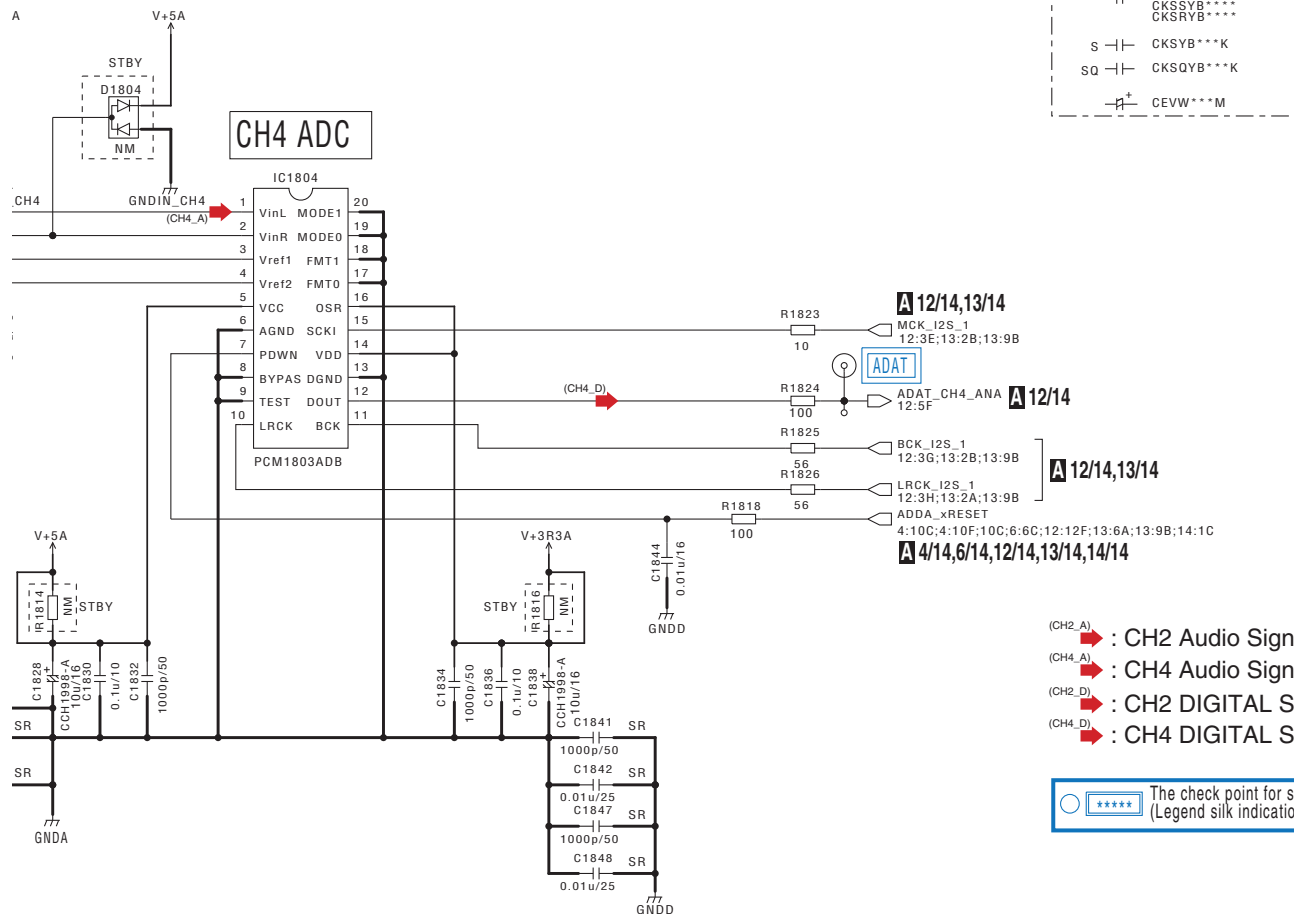
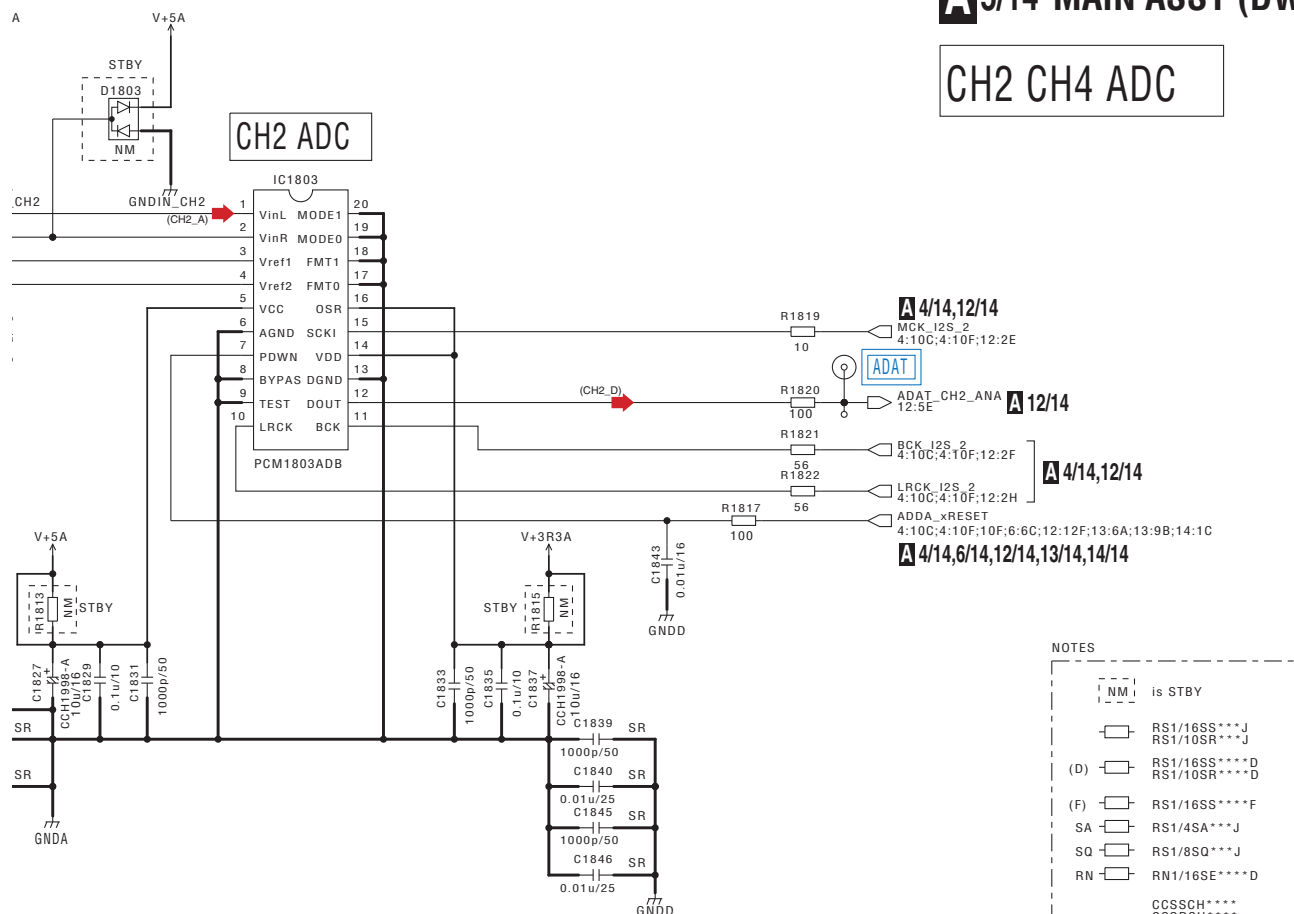
○ **** The check point for service.
(Legend silk indication on the PCB.)

10.5 MAIN ASSY (5/14)



A5/14 MAIN ASSY (DWX3535)

CH2 CH4 ADC



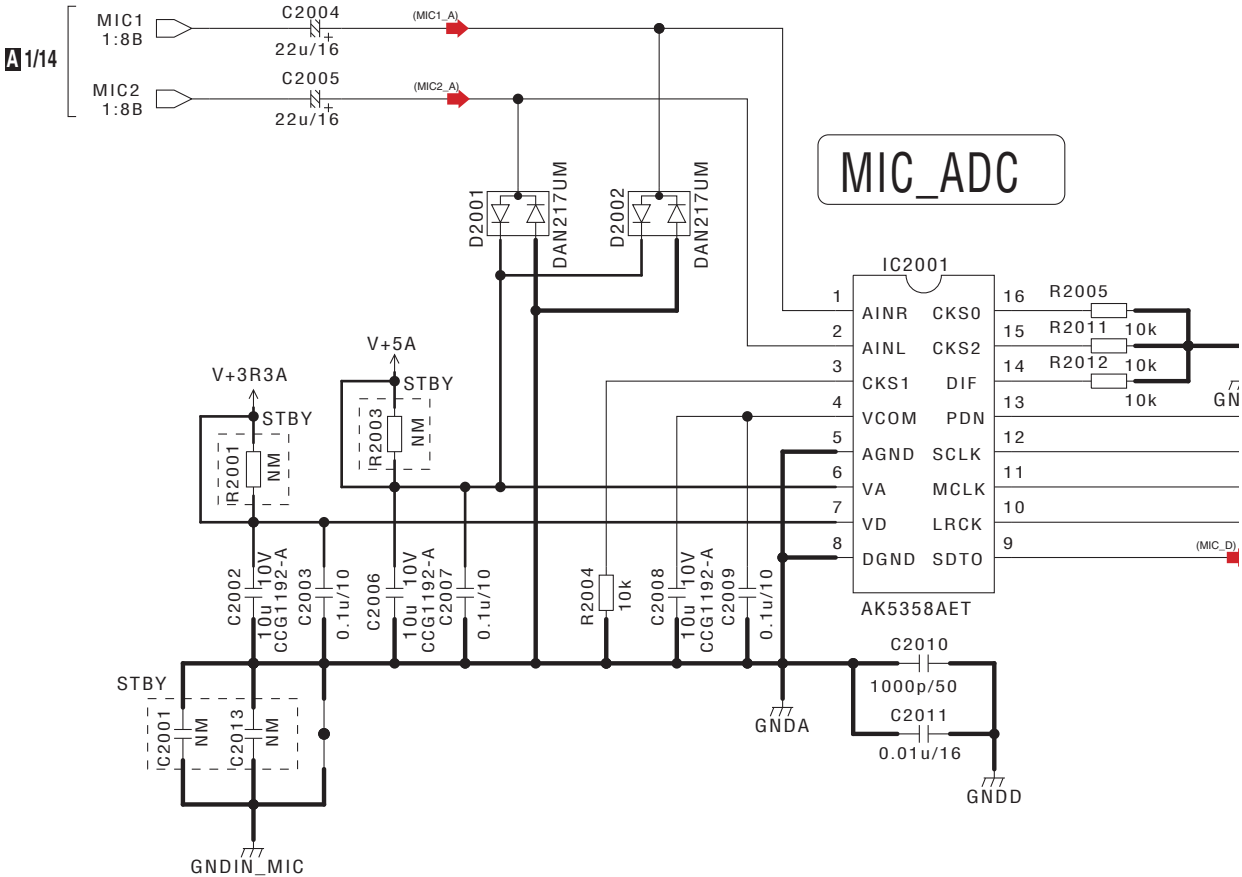
NOTES

NM	is STBY
RS1/16SS***J	RS1/10SR***J
(D) RS1/16SS***D	RS1/10SR***D
(F) RS1/16SS***F	
SA	RS1/4SA***J
SQ	RS1/8SQ***J
RN	RN1/16SE***D
CCSSCH***	CCSSCH***
CCSSCH***	CCSSCH***
CKSSYB***	CKSSYB***
CKSSYB***	CKSSYB***
S	CKSSYB***K
SQ	CKSSYB***K
CEVW***M	

- (CH2_A) : CH2 Audio Signal (L ch)
- (CH4_A) : CH4 Audio Signal (L ch)
- (CH2_D) : CH2 DIGITAL Signal
- (CH4_D) : CH4 DIGITAL Signal

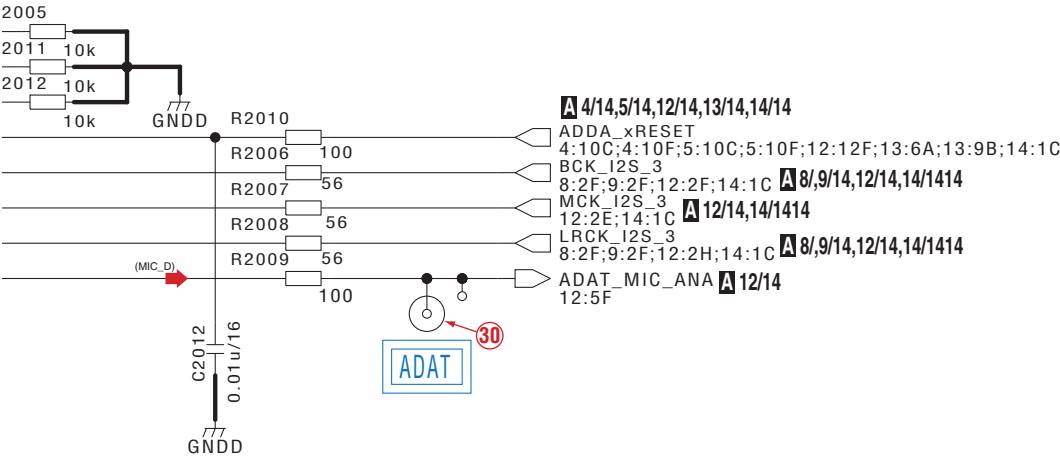
○ (****) The check point for service.
(Legend silk indication on the PCB.)

10.6 MAIN ASSY (6/14)



A6/14 MAIN ASSY (DWX3535)

MIC ADC



NOTES

	is STBY
	RS1/16SS***J RS1/10SR***J
(D)	RS1/16SS***D RS1/10SR***D
(F)	RS1/16SS***F
SA	RS1/4SA***J
SQ	RS1/8SQ***J
RN	RN1/16SE***D
	CCSSCH*** CCSRCH*** CKSSYB*** CKSRYB***
S	CKSYB***K
SQ	CKSQYB***K
	CEVW***M

- (MIC1_A) : MIC1 Audio Signal
- (MIC2_A) : MIC1 Audio Signal
- (MIC_D) : MIC DIGITAL Signal

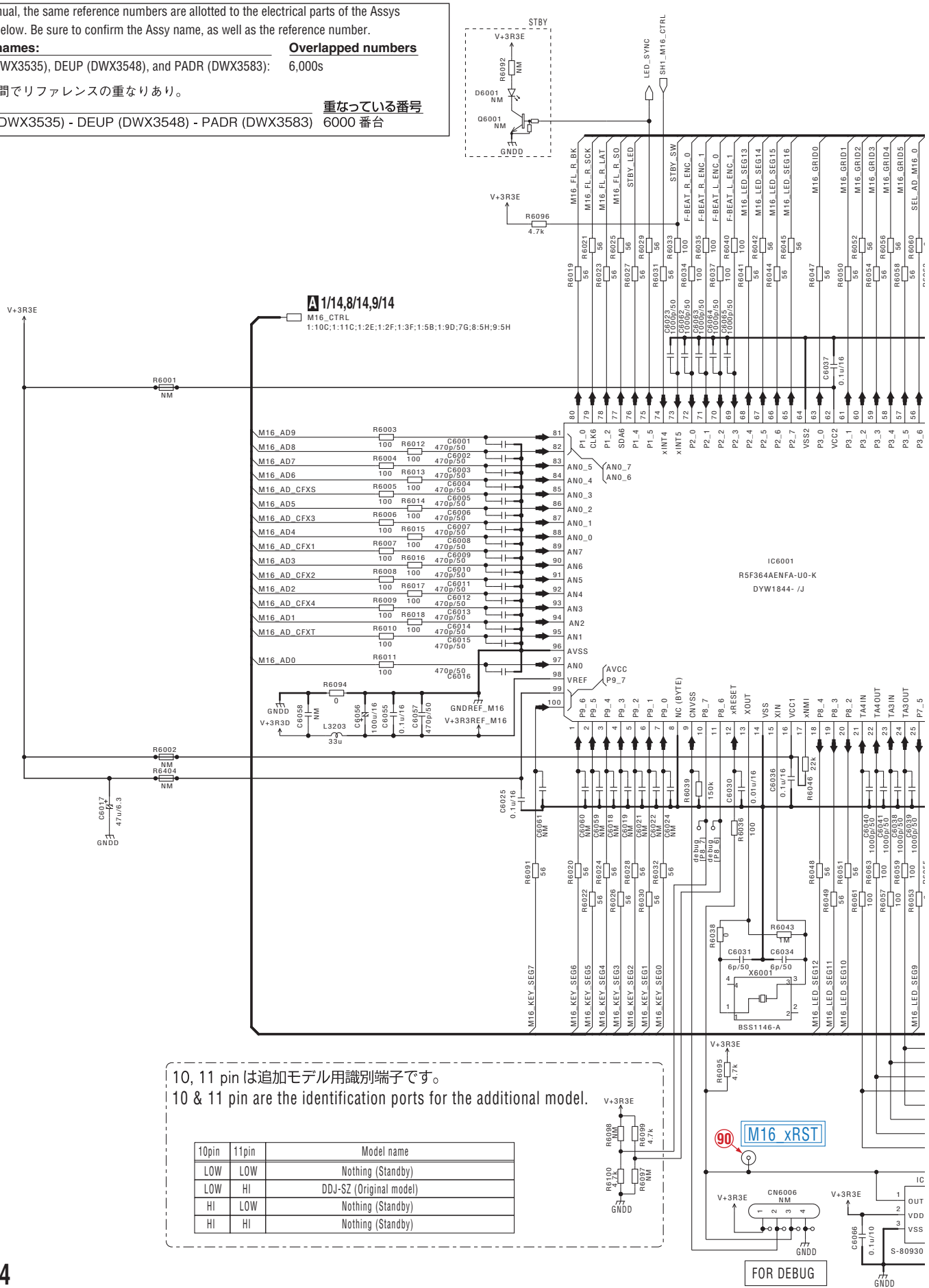
***** The check point for service.
(Legend silk indication on the PCB.)

10.7 MAIN ASSY (7/14)

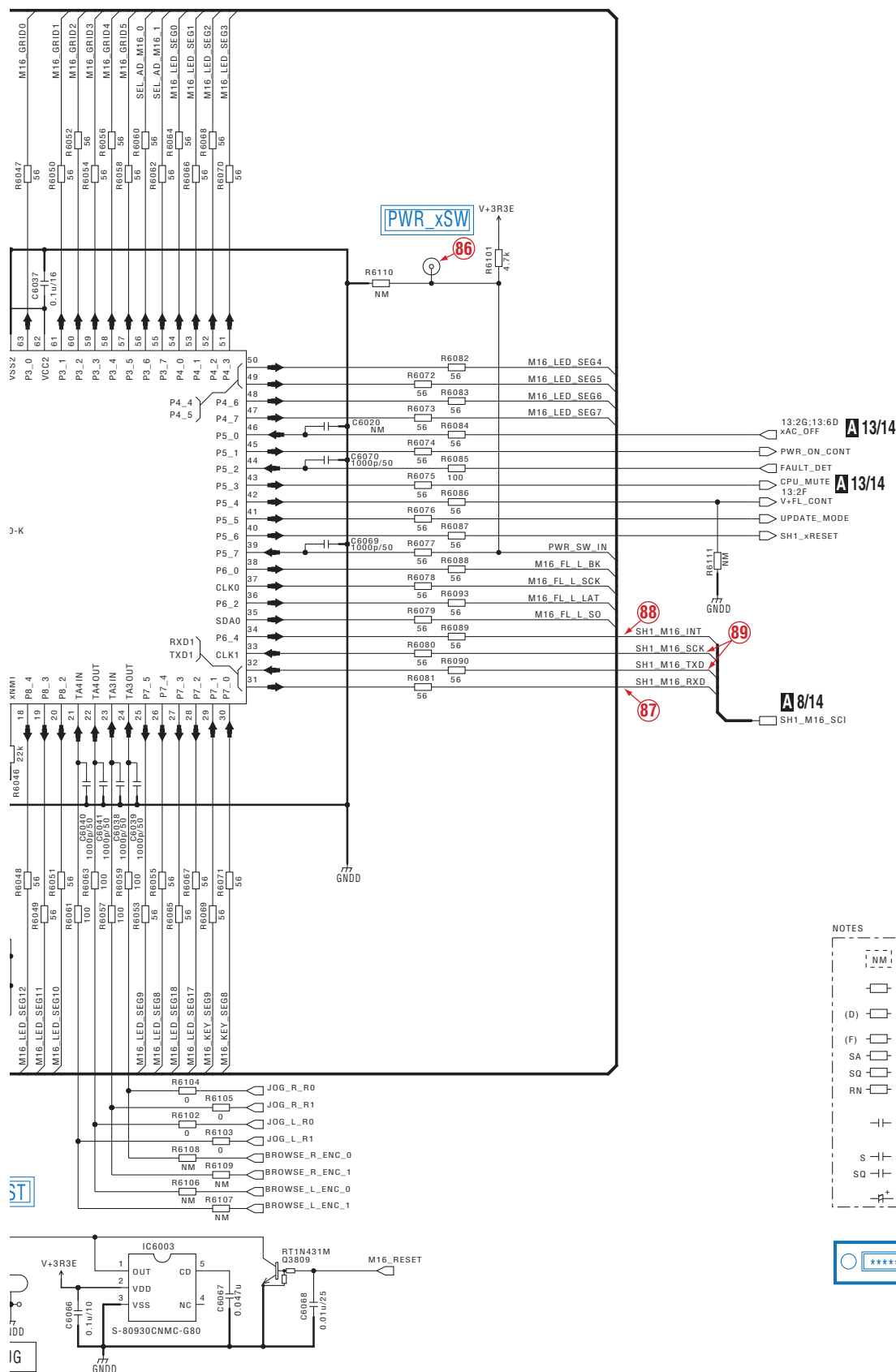
In this manual, the same reference numbers are allotted to the electrical parts of the Assys indicated below. Be sure to confirm the Assy name, as well as the reference number.

ASSY names: MAIN (DWX3535), DEUP (DWX3548), and PADR (DWX3583):
Overlapped numbers: 6,000s

※ASSY間でリファレンスの重なりあり。
ASSY 重なっている番号
MAIN (DWX3535) - DEUP (DWX3548) - PADR (DWX3583) 6000 番台



M16 BLOCK



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

10.8 MAIN ASSY (8/14)

A

B

C

D

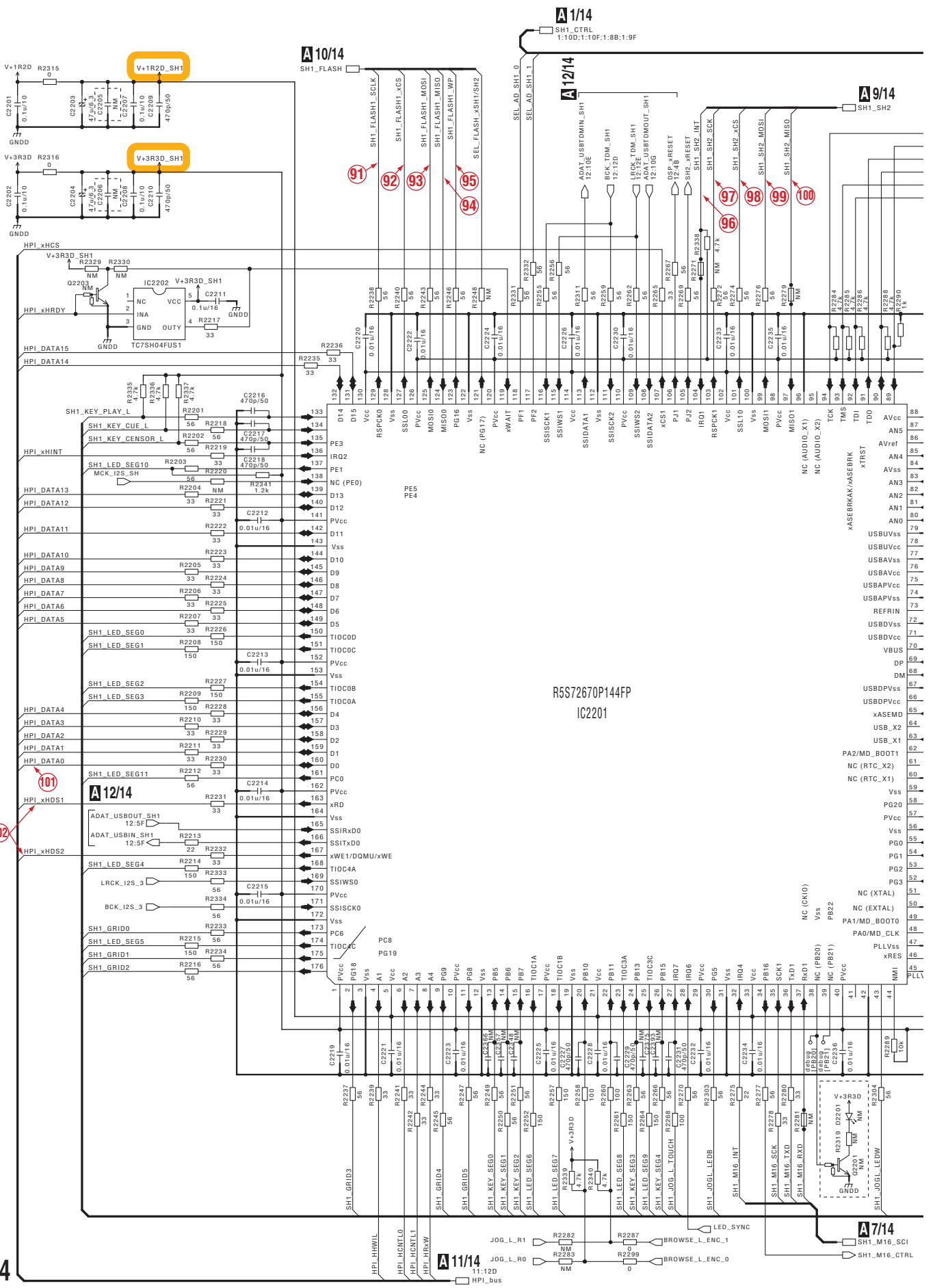
E

F

A8/14

102

DDJ-SZ



SH1 BLOCK

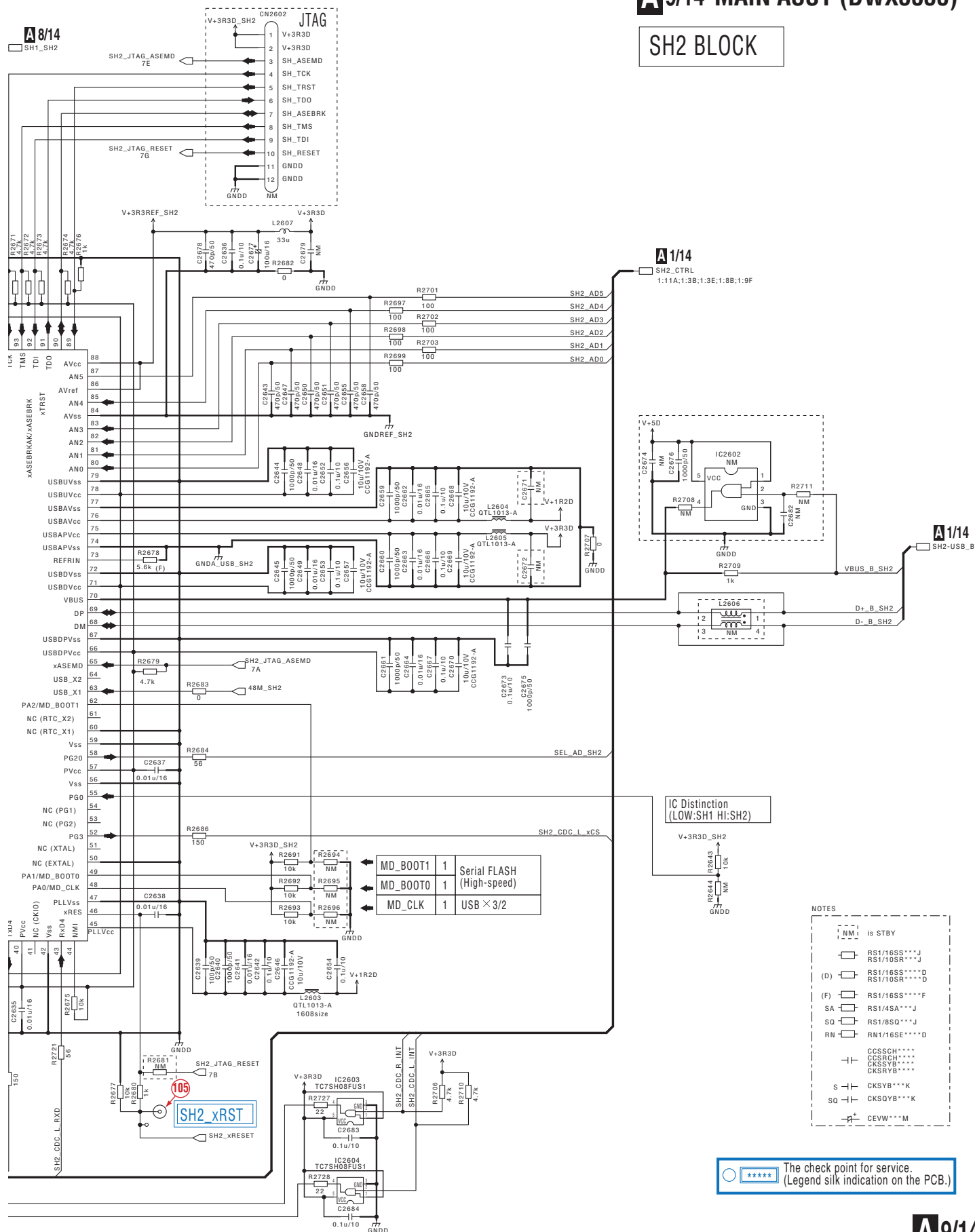


104



A9/14 MAIN ASSY (DWX3535)

SH2 BLOCK



10.10 MAIN ASSY (10/14)

A

B

C

D

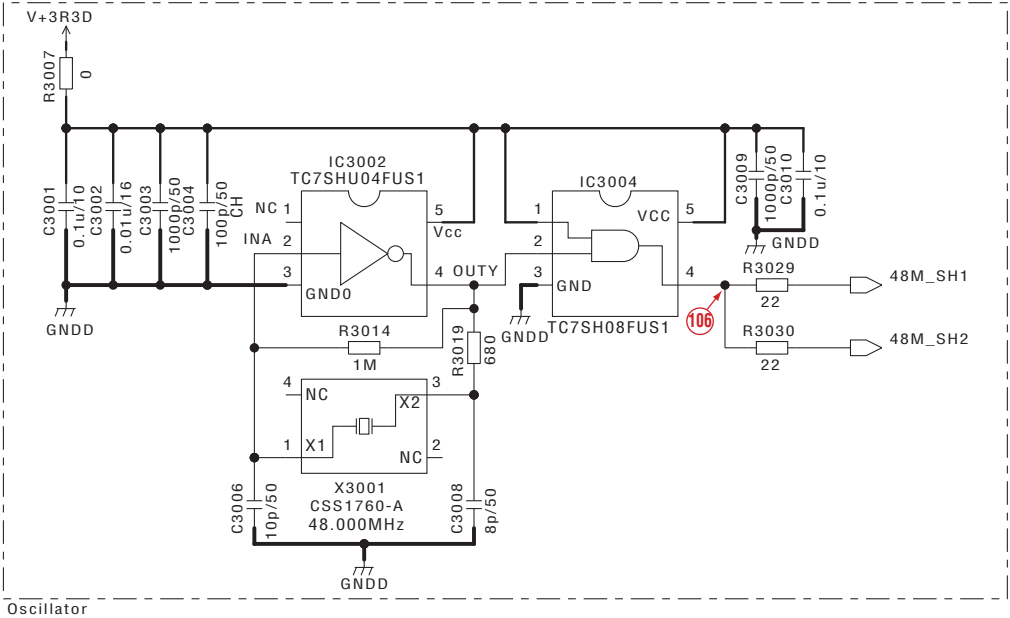
A 8/14
SH1_FLASH

A 9/14
SH2_FLASH

E

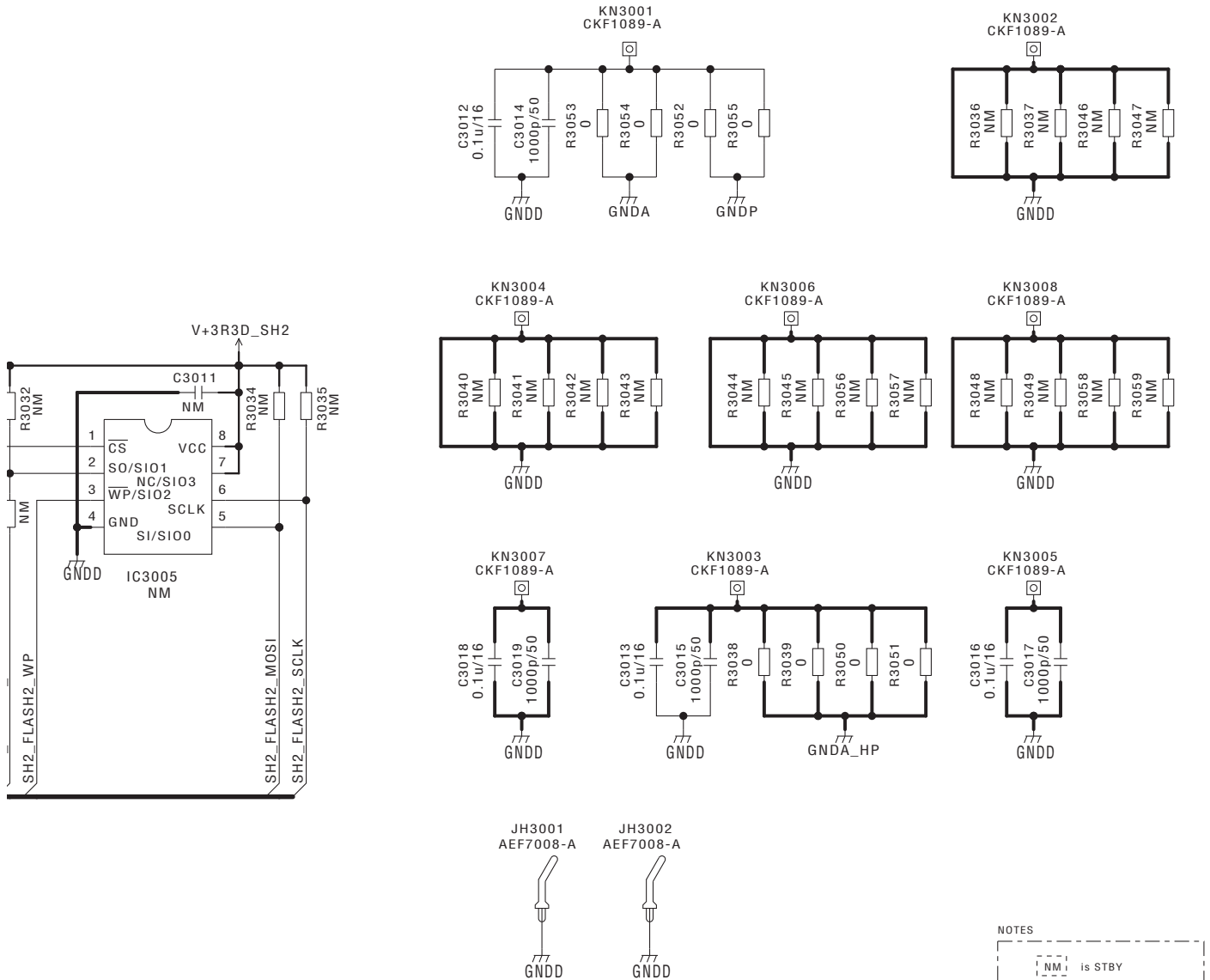
F

A 10/14
106



A10/14 MAIN ASSY (DWX3535)

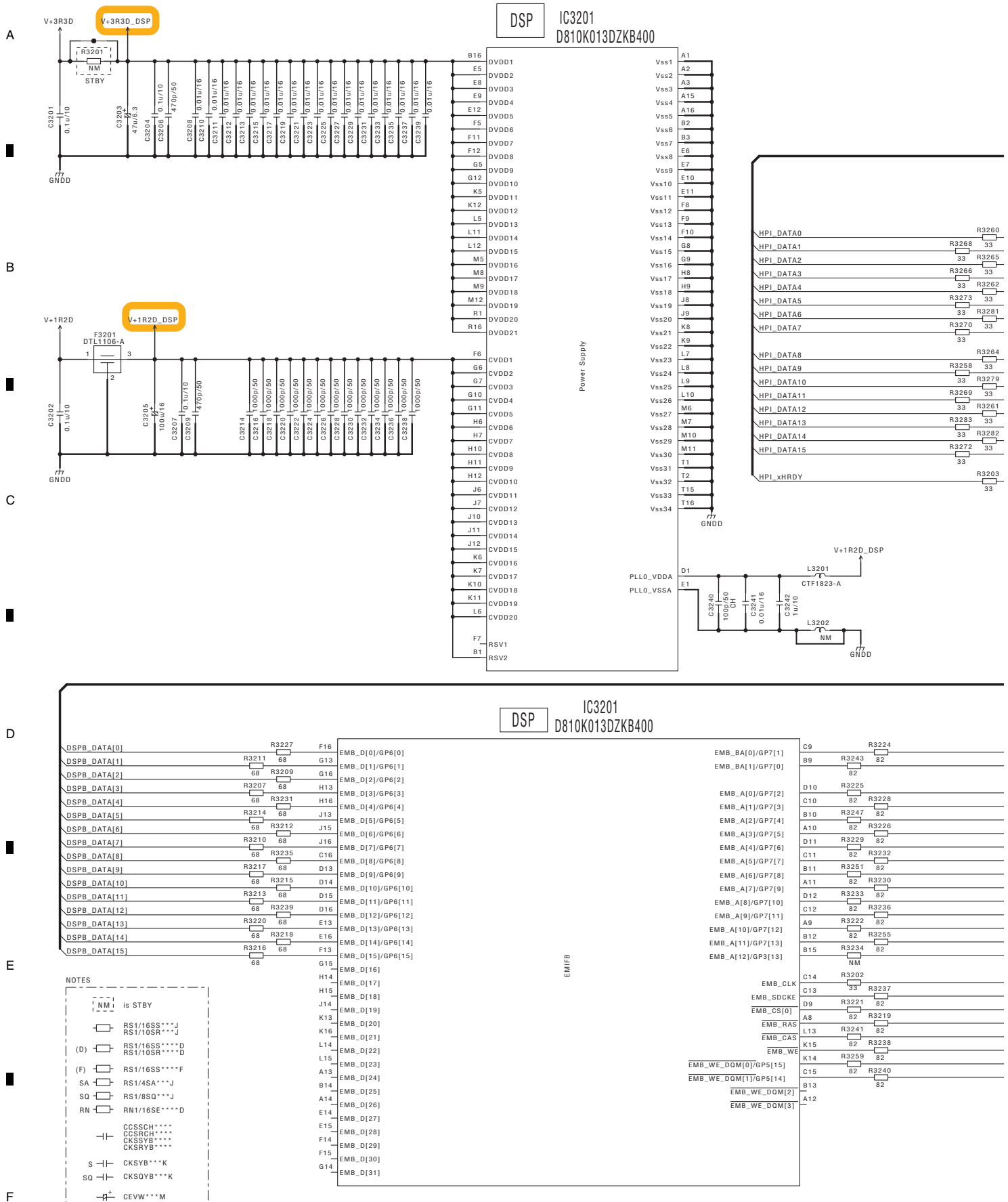
FLASH/USB_CLK BLOCK



NOTES

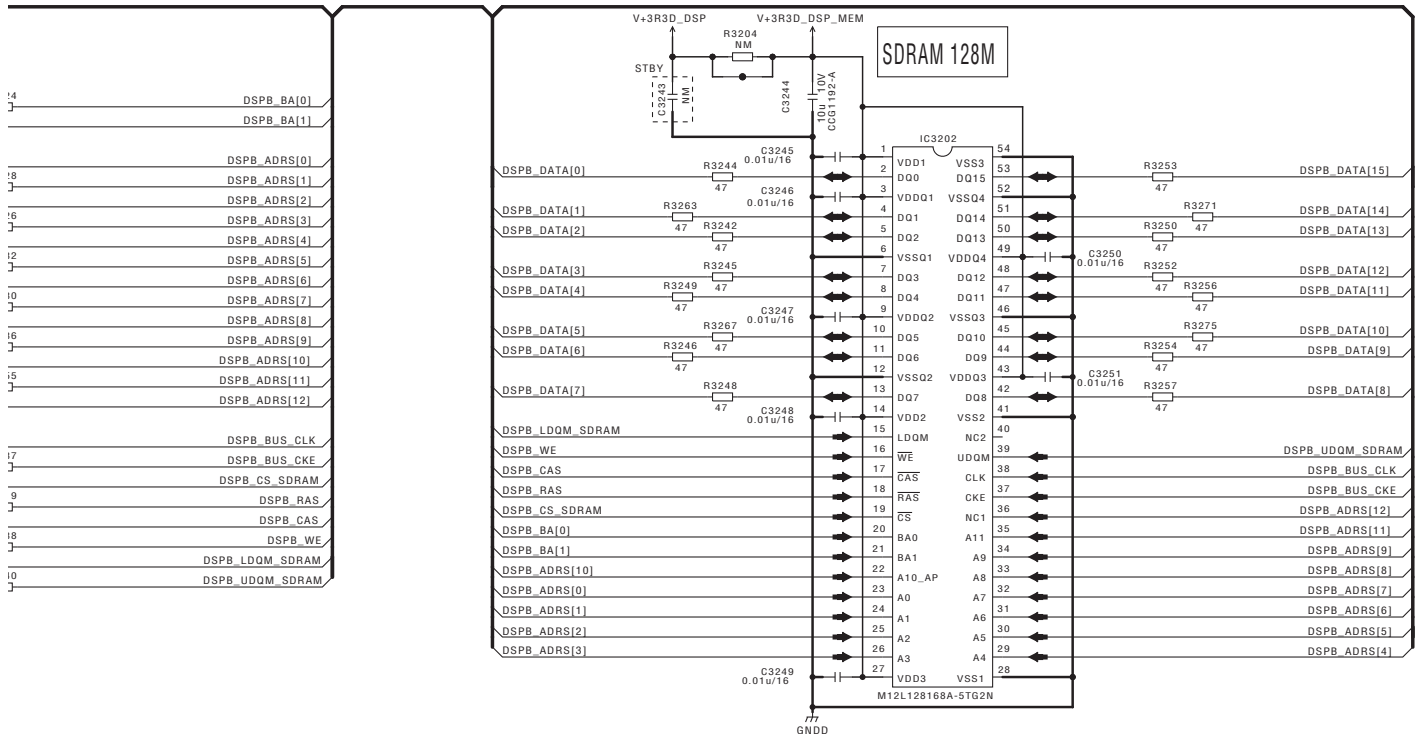
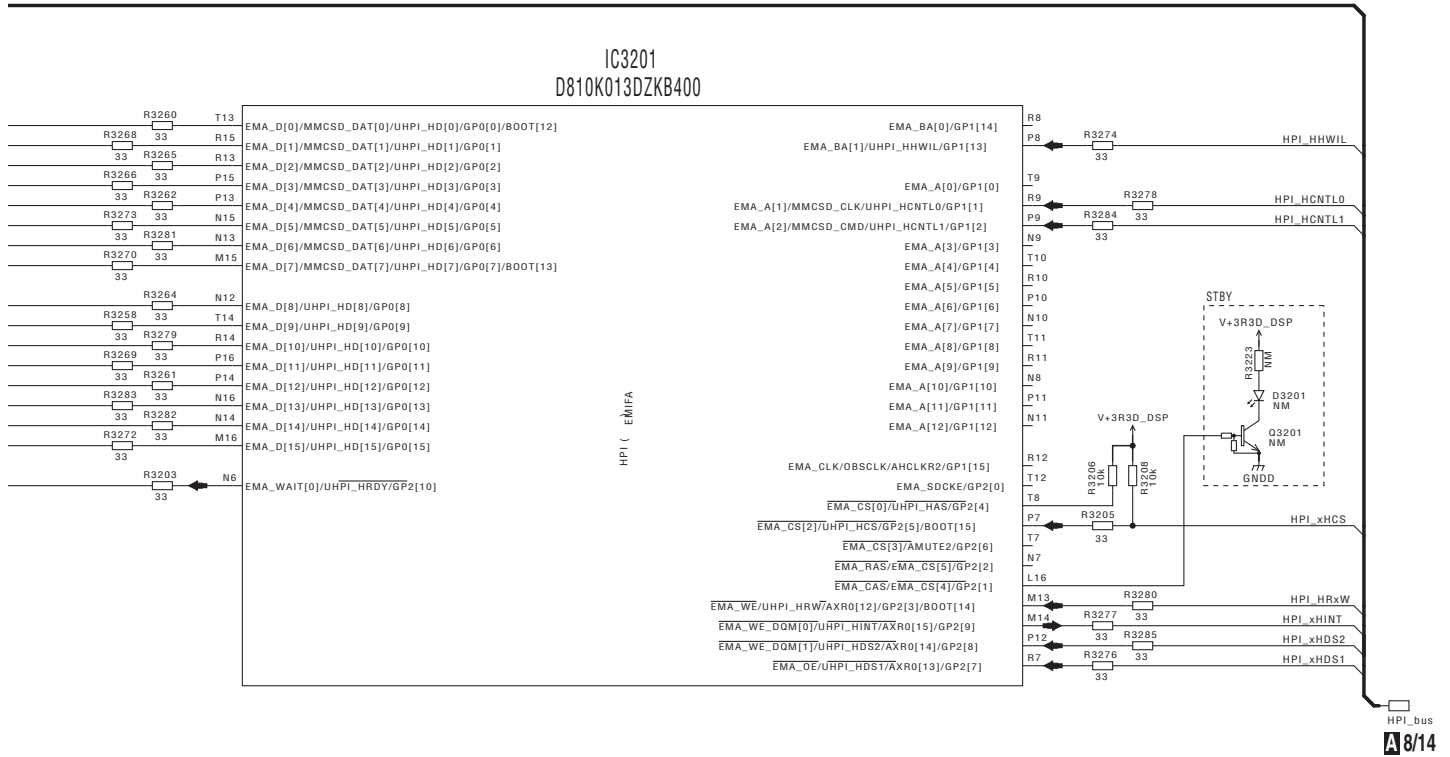
is STBY	
RS1/16SS***J	
RS1/10SR***J	
(D) RS1/16SS***D	
RS1/10SR***D	
(F) RS1/16SS***F	
SA RS1/4SA***J	
SQ RS1/8SQ***J	
RN RN1/16SE***D	
CCSSCH***	
CCSRCH***	
CKSSYB***	
CKSRYB***	
S CKSYB***K	
SQ CKSQYB***K	
CEVW***M	

10.11 MAIN ASSY (11/14)



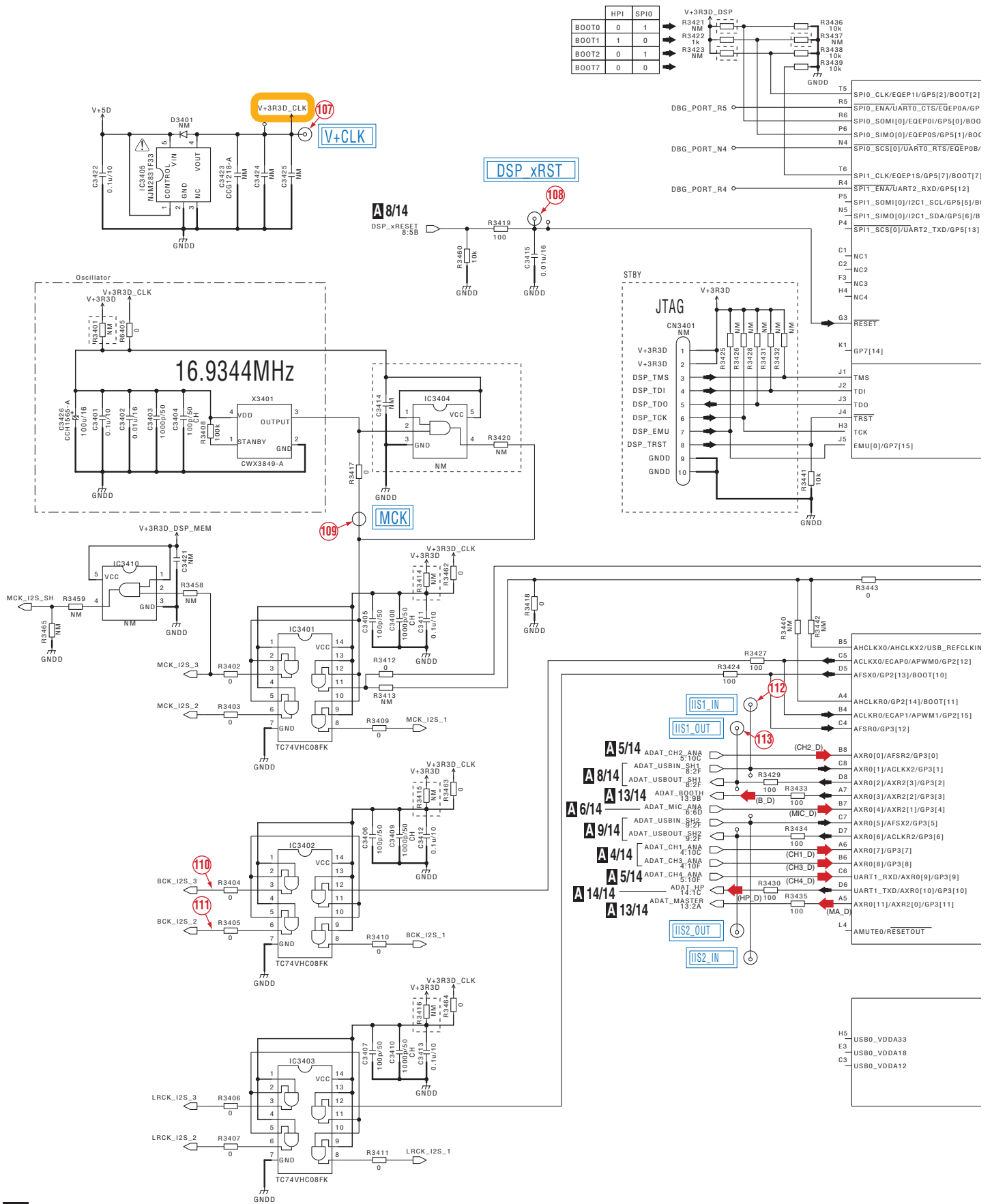
A11/14 MAIN ASSY (DWX3535)

DSP BLOCK (1/2)



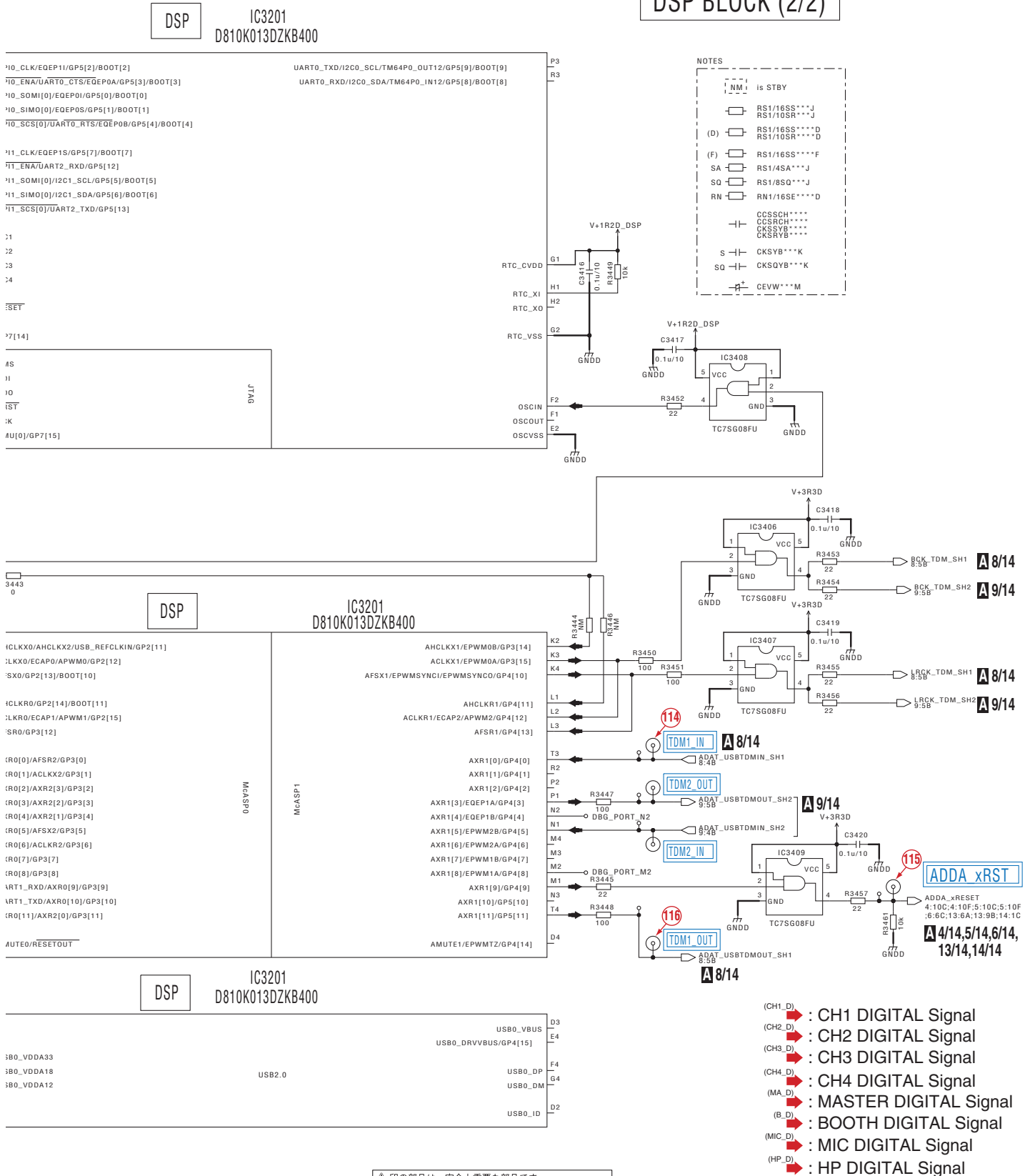
4

F



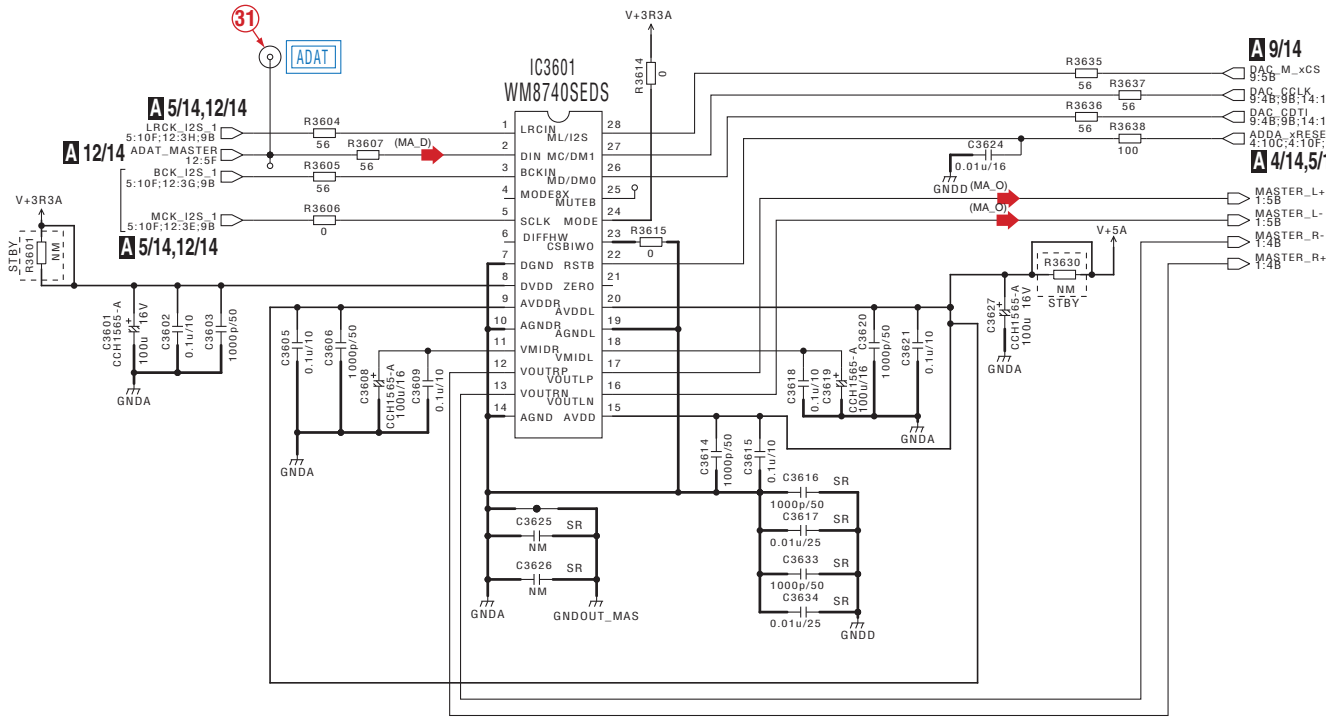
A 12/14 MAIN ASSY (DWX3535)

DSP BLOCK (2/2)



10.13 MAIN ASSY (13/14)

MASTER DAC



MUTE

CPU MUTE	MVR MUTE	MUTE	MASTER MUTE
L	L	H (ON)	H (ON)
L	H	H (ON)	H (ON)
H	L	V-15A (OFF)	V-15A (OFF)
H	H	V-15A (OFF)	H (ON)

CPU_MUTE

MUTE

From MAIN_UCOM

A 7/14

A 7/14

xAC_OFF 7:9D:6D

MVR_MUTE

A 1/14

From BOARD IF

M_MUTE

A 1/14

MASTER_MUTE 1:4B

A 13/14

A

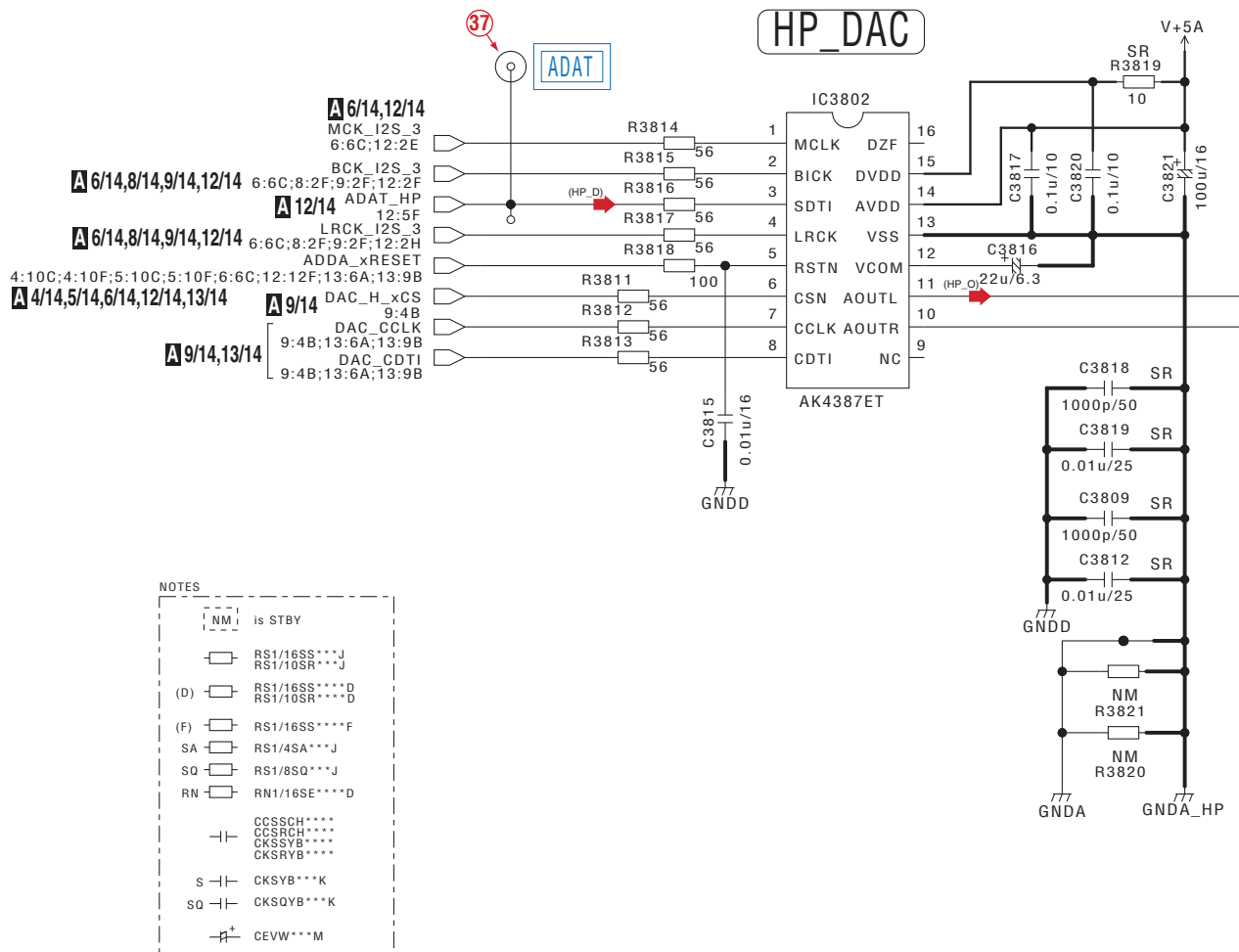
B

C

D

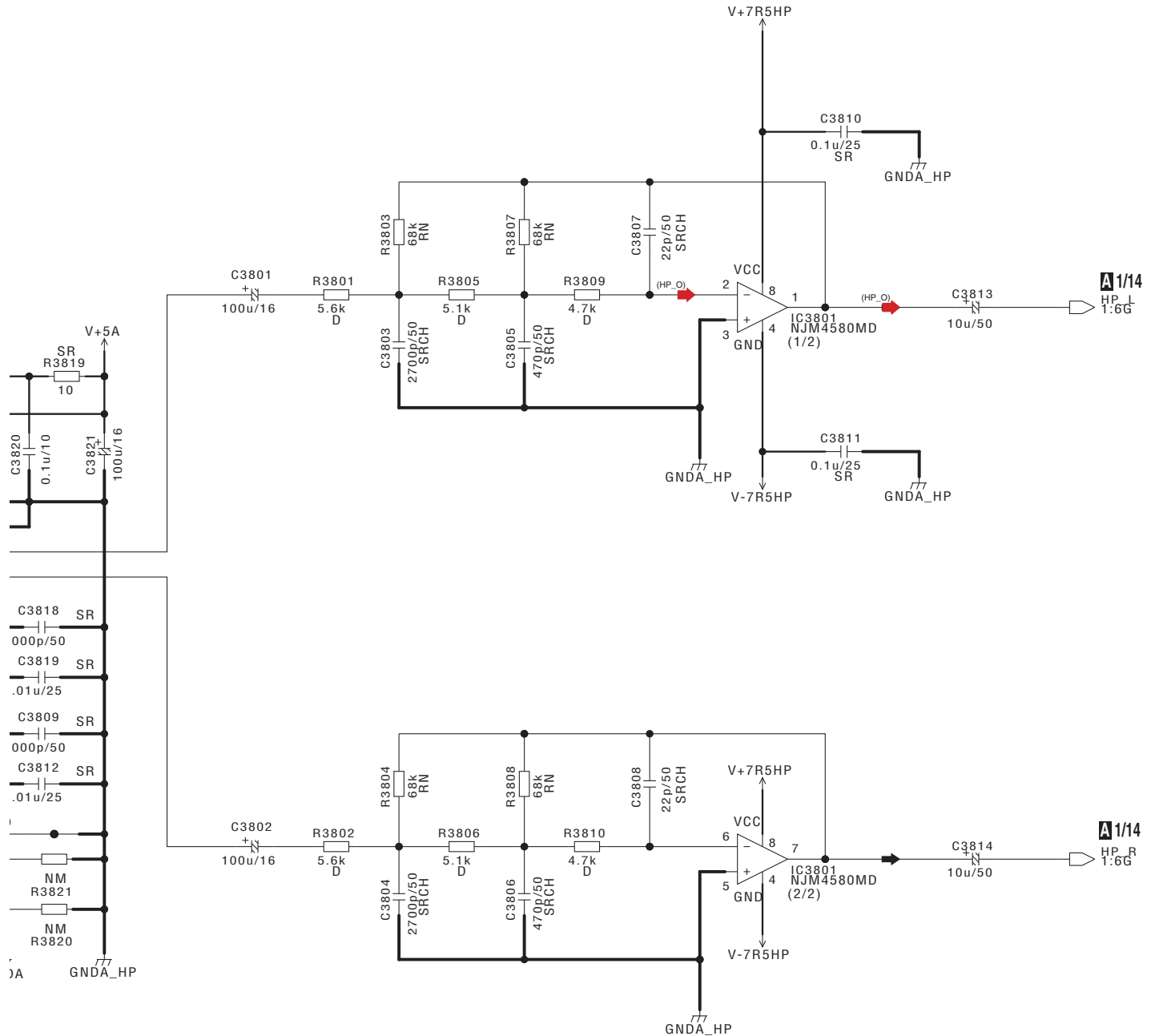
E

F



A14/14 MAIN ASSY (DWX3535)

HP OUT



(HP_D) : HP DIGITAL Signal
(HP_O) : HP OUT Signal

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

A14/14

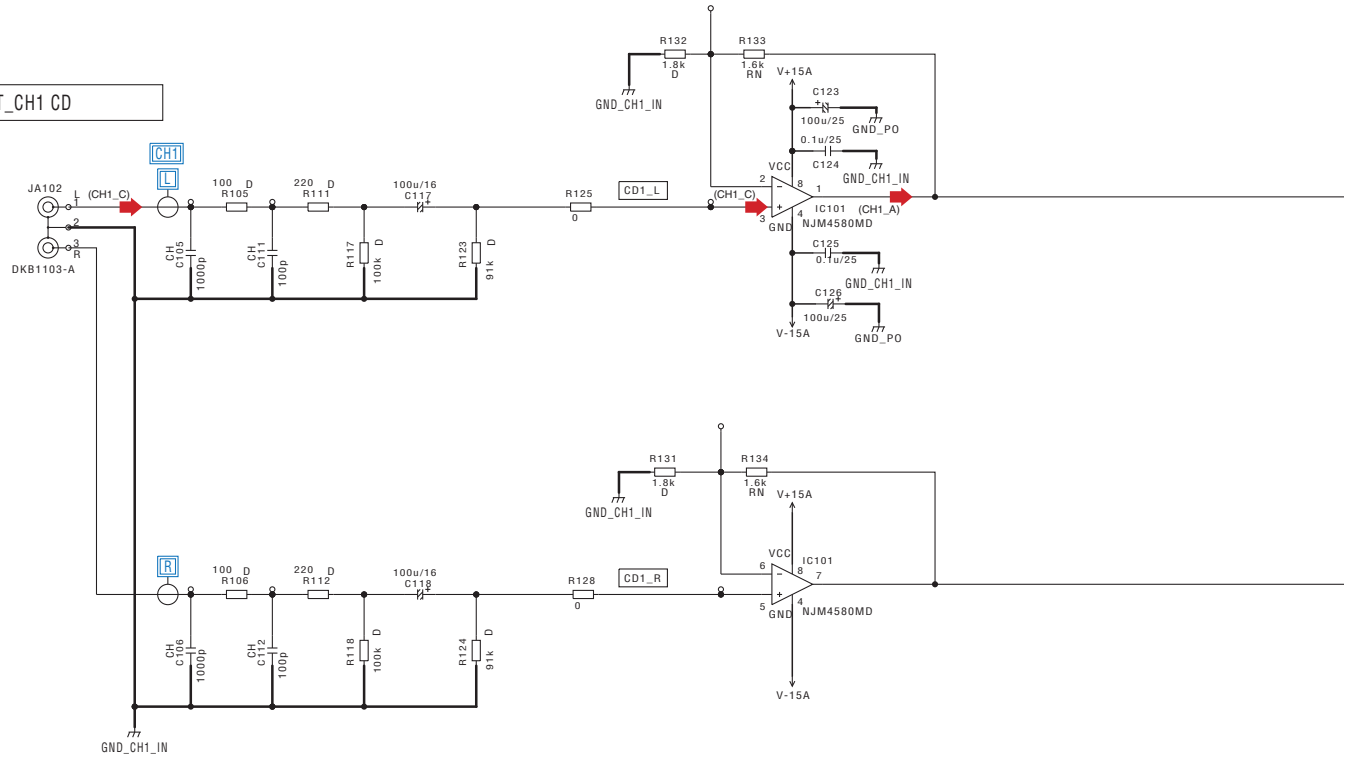
DDJ-SZ

115

10.15 AIJK ASSY (1/3)

A

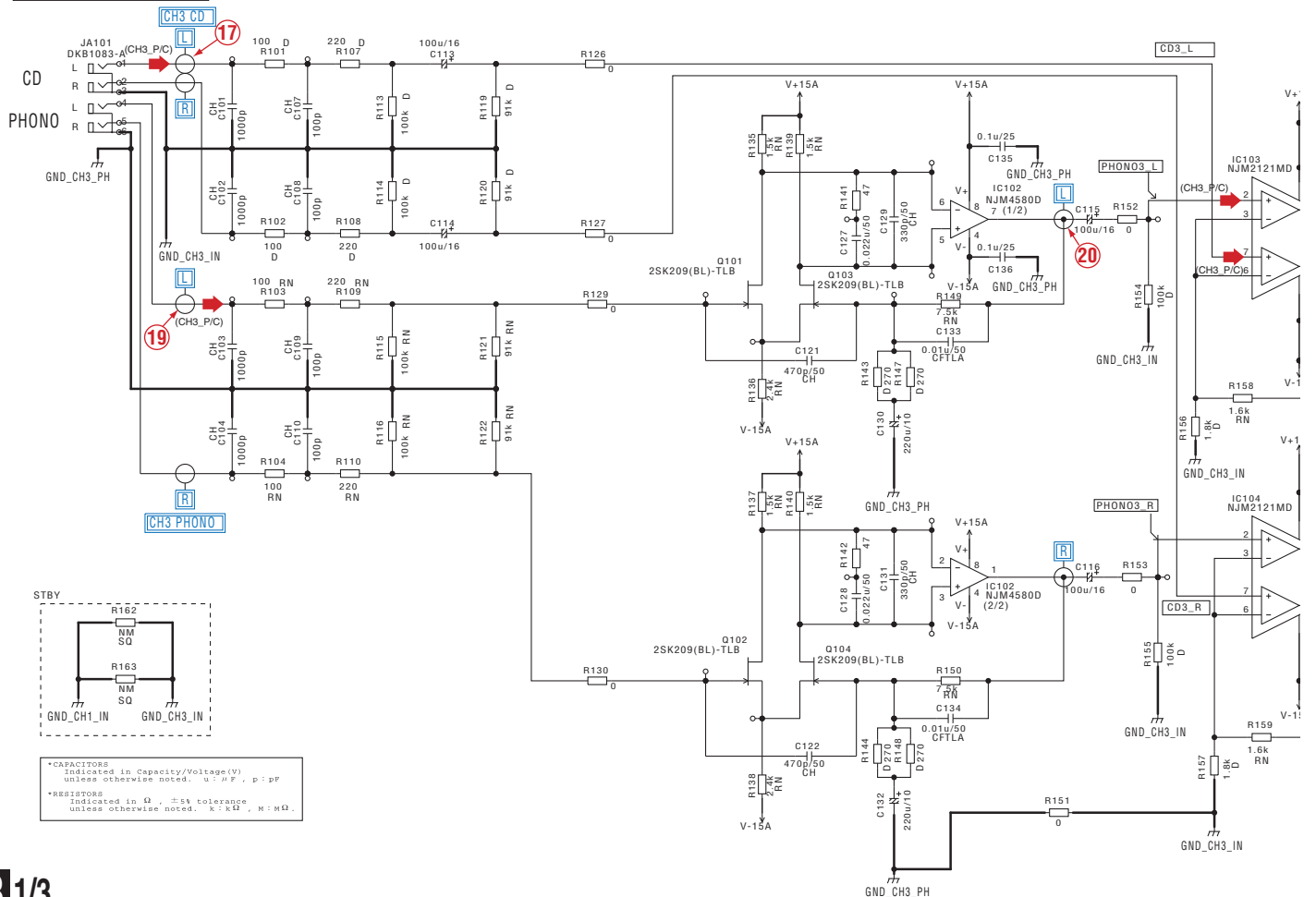
INPUT_CH1 CD



B

C

INPUT_CH3 CD/PHONO

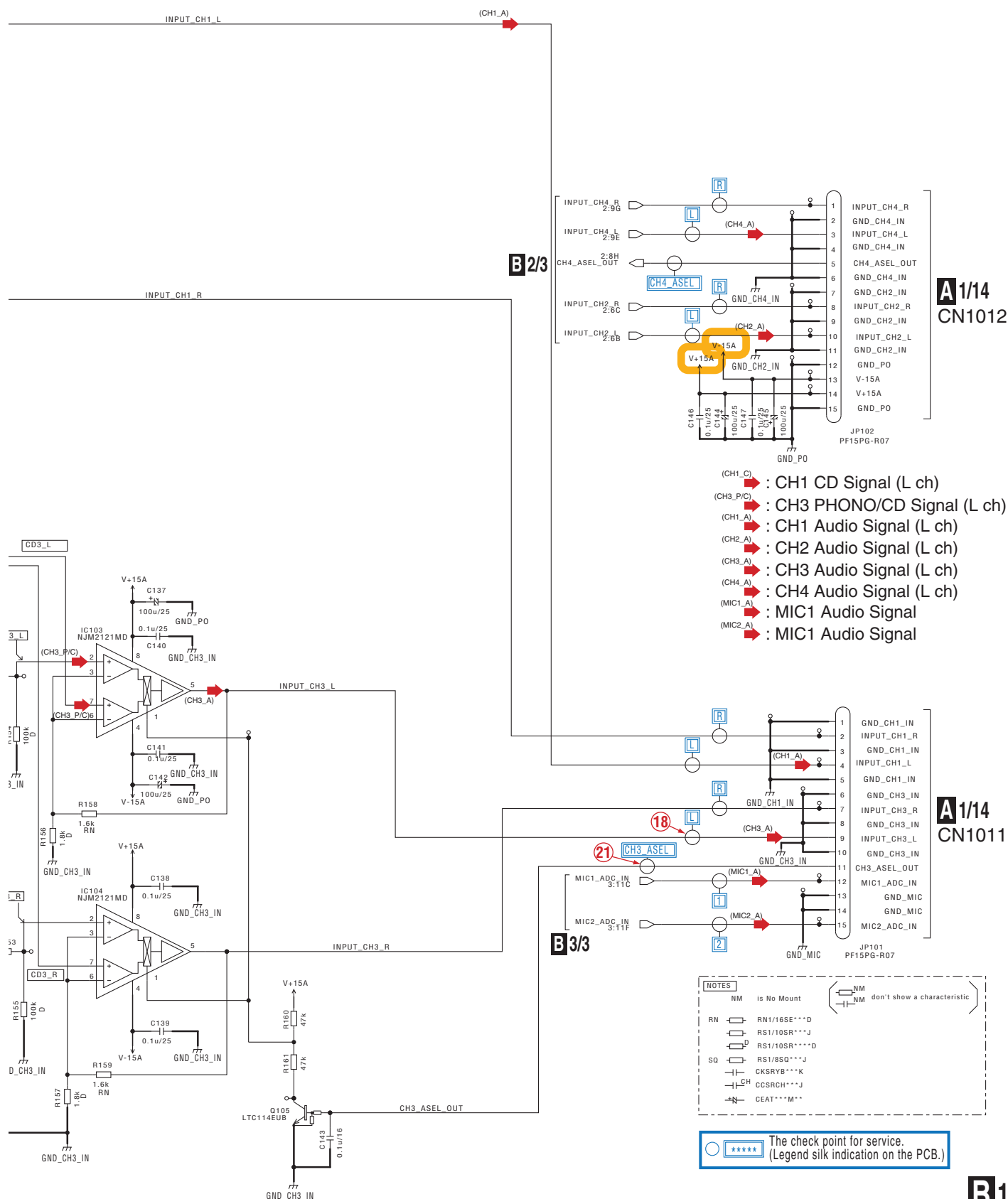


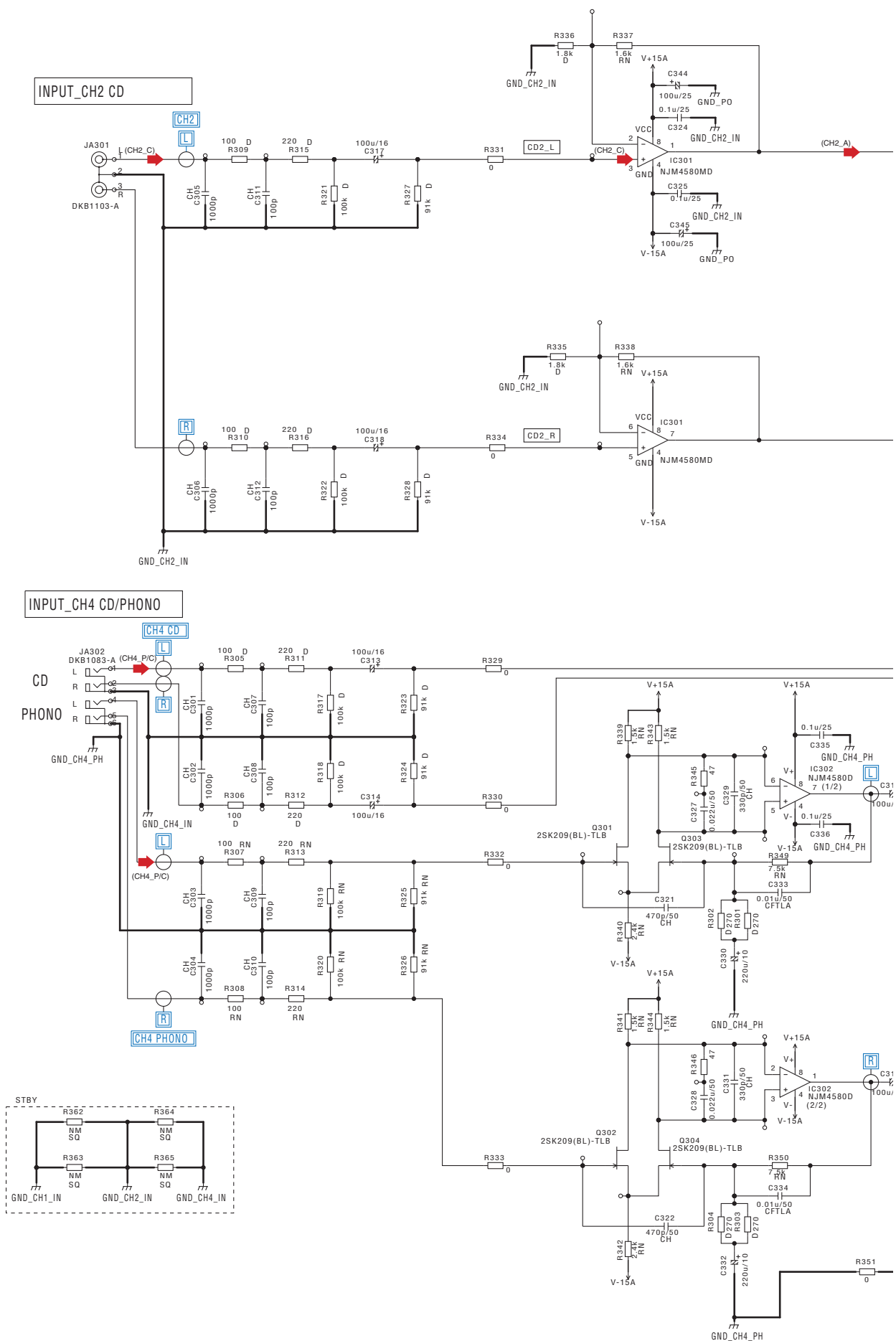
E

F

B1/3

CH1 CH3 INPUT

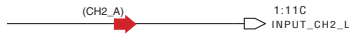




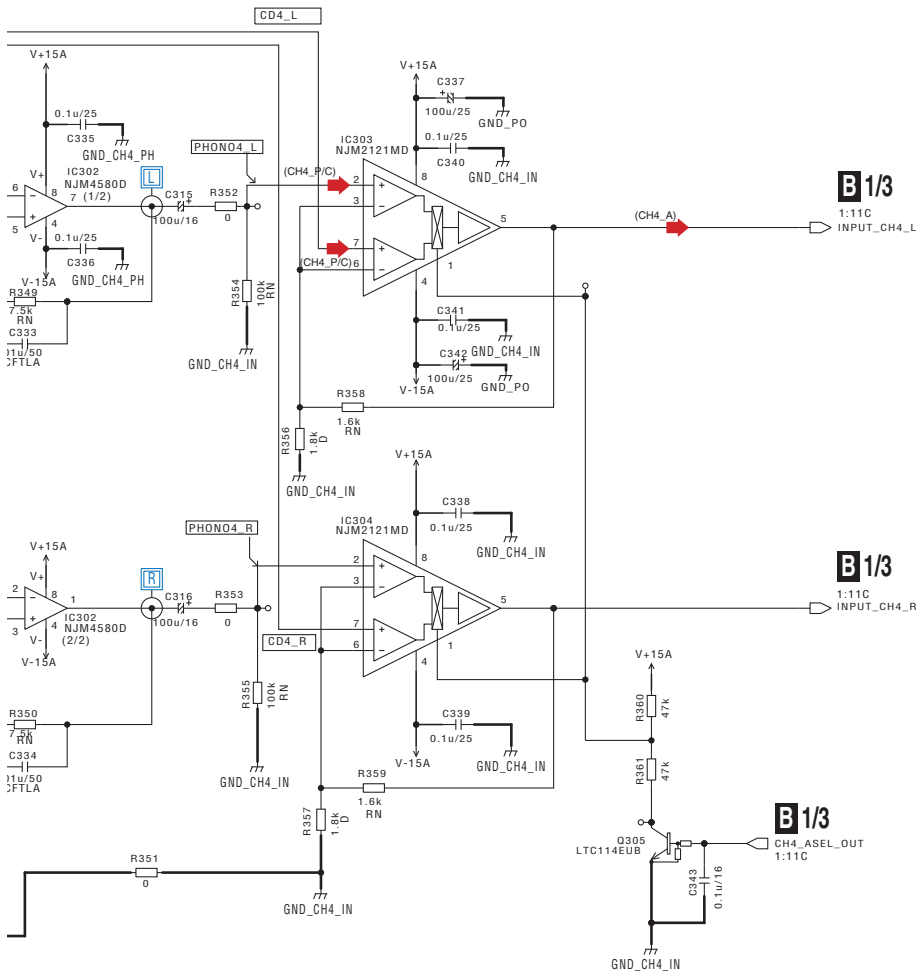
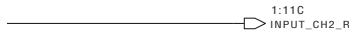
B2/3 AIJK ASSY (DWX3536)

CH2 CH4 INPUT

B1/3



B1/3



- (CH2_C) : CH2 CD Signal (L ch)
- (CH4_P/C) : CH4 PHONO/CD Signal (L ch)
- (CH2_A) : CH2 Audio Signal (L ch)
- (CH4_A) : CH4 Audio Signal (L ch)

NOTES	
NM	is No Mount
RN	is No Mount
RS1/16SE***D	don't show a characteristic
RS1/10SR***J	
RS1/10SR***D	
RS1/8SQ***J	
CKSRB***K	
CSCRCH***J	
CEAT***M**	

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

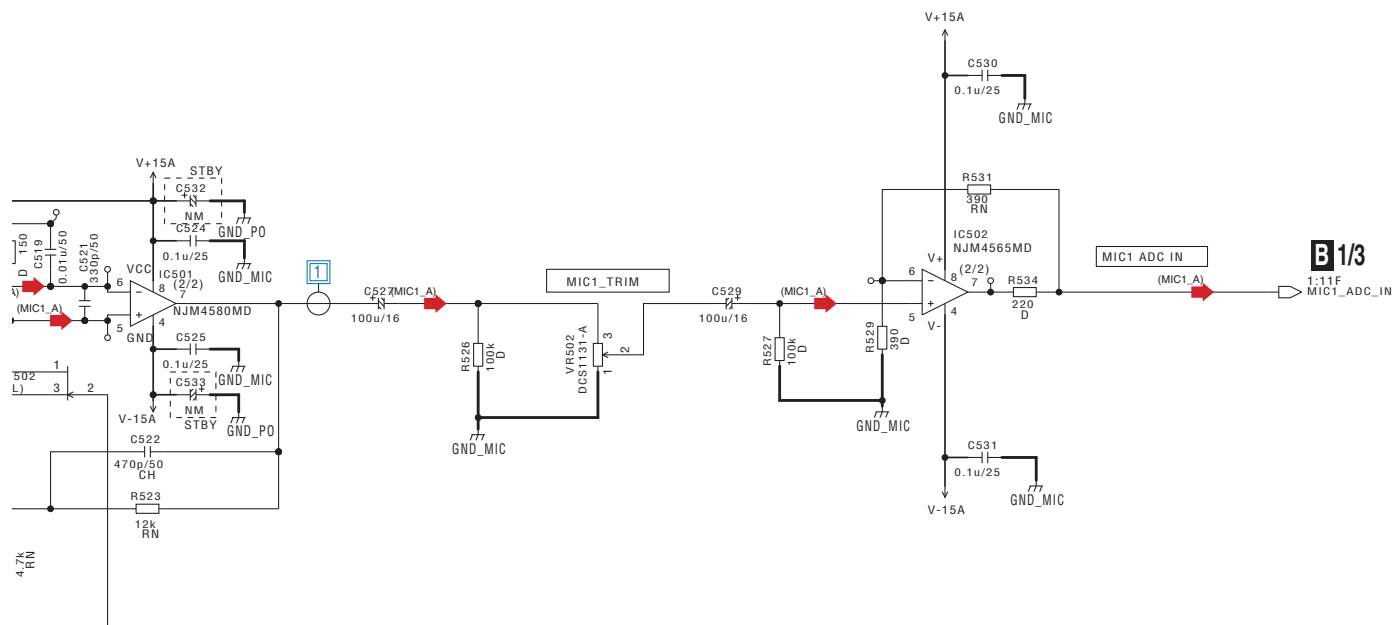
*RESISTORS
Indicated in Ω , $\pm$ 5% tolerance
unless otherwise noted. k: k Ω , M: M Ω .

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

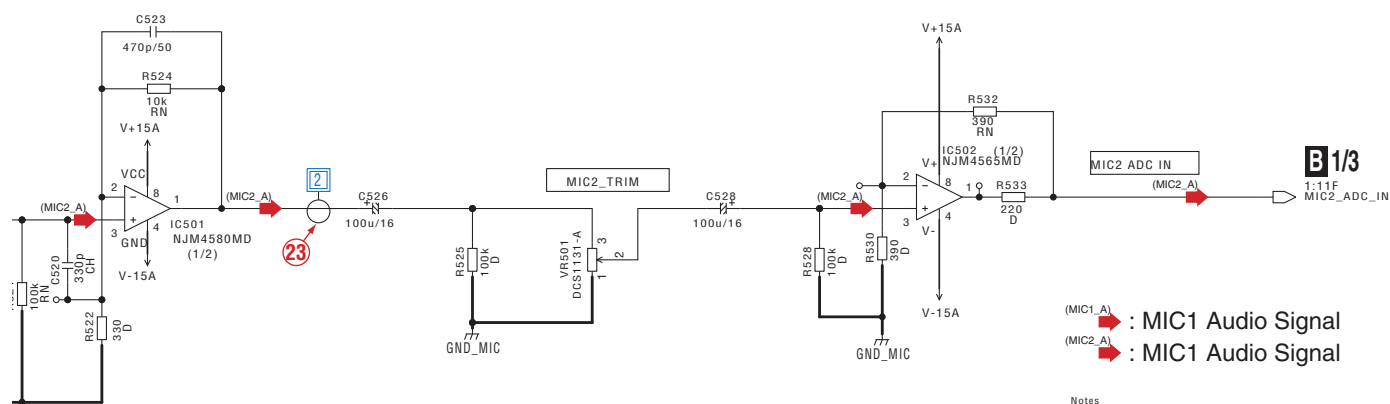
B2/3

B3/3 AIJK ASSY (DWX3536)

MIC1, MIC2



A



(MIC1_A) : MIC1 Audio Signal
 (MIC2_A) : MIC1 Audio Signal

Notes

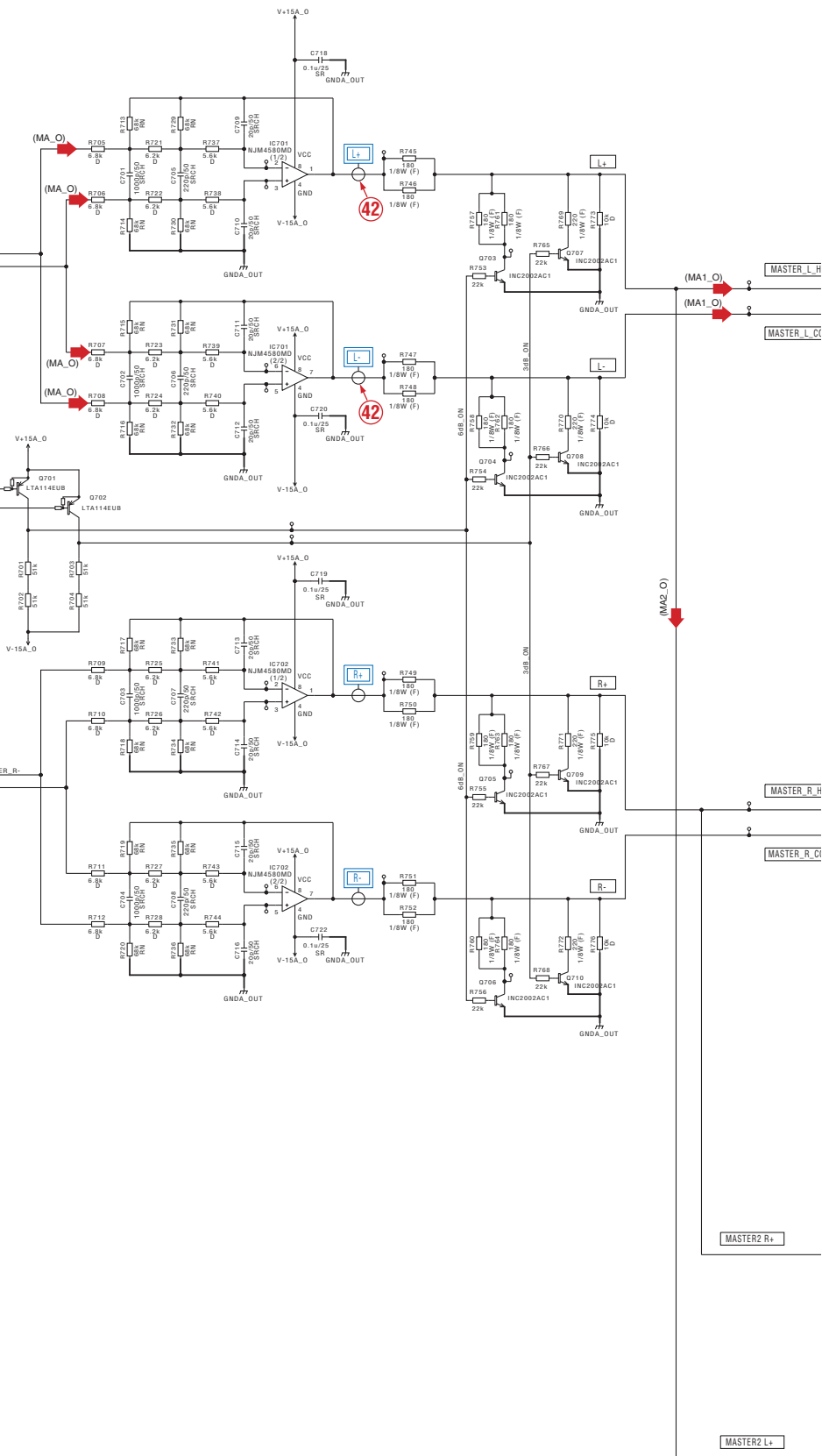
1	NM	is STBY
1	RS1/10SR***J	
D	RS1/10SR***D	
SQ	RS1/8SQ***J	
RN	RN1/16SE***D	
CH	CCSRCH***J	
LA	CFTLA***J	
CEAT	CEAT	

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

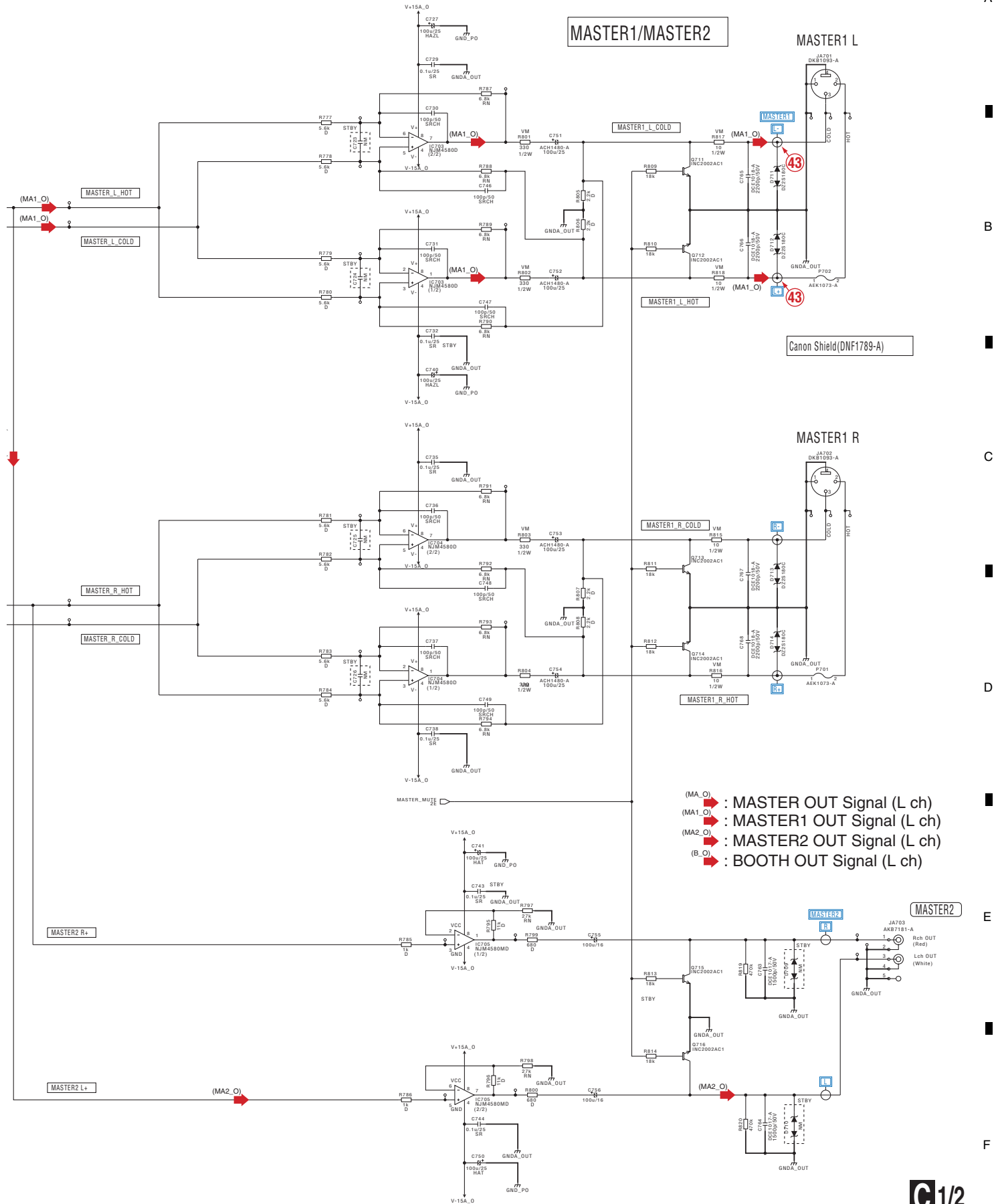
B3/3

4

F



C1/2 AOJK ASSY (DWX3537)



10.19 AOJK ASSY (2/2)

A

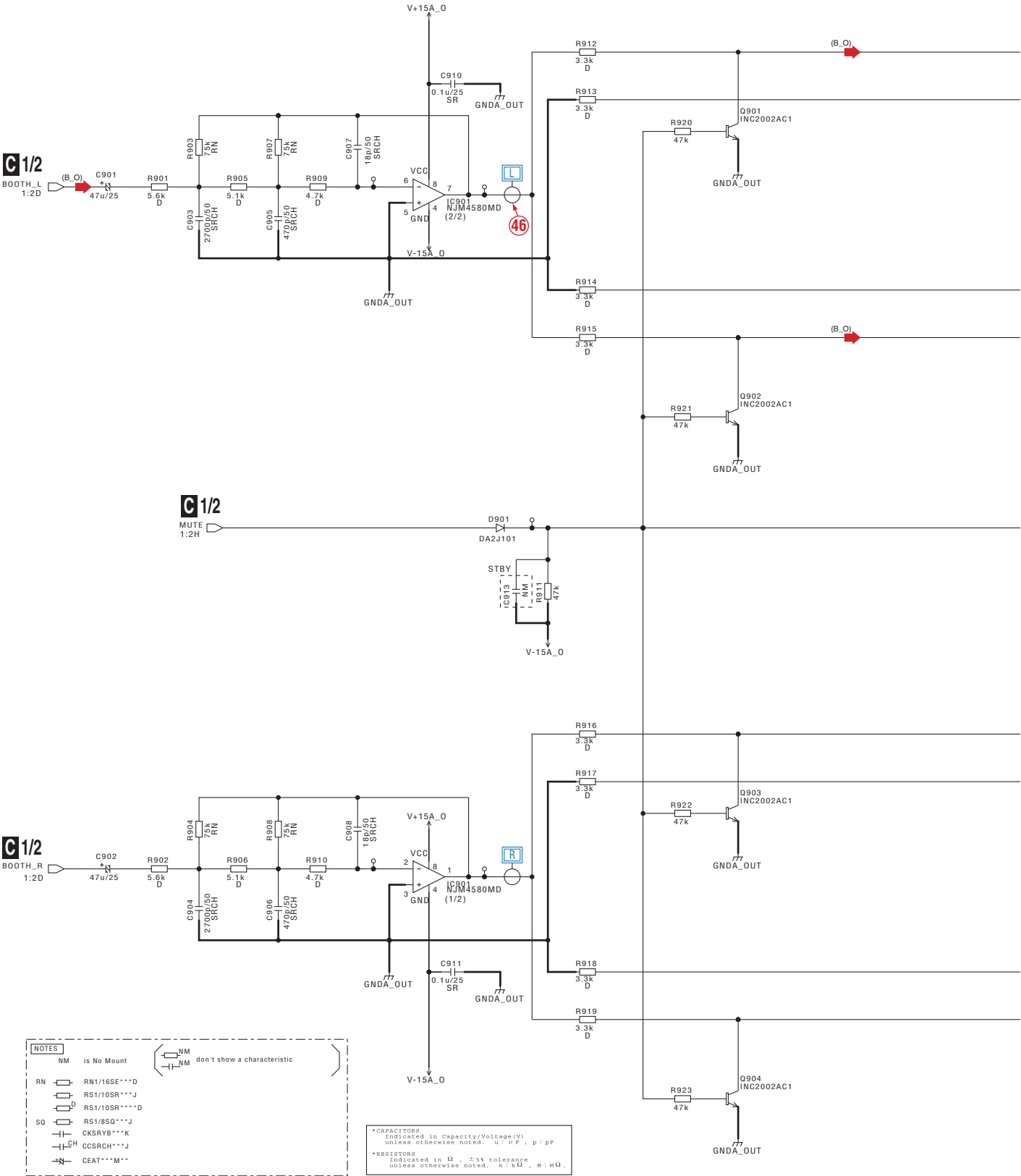
B

C

D

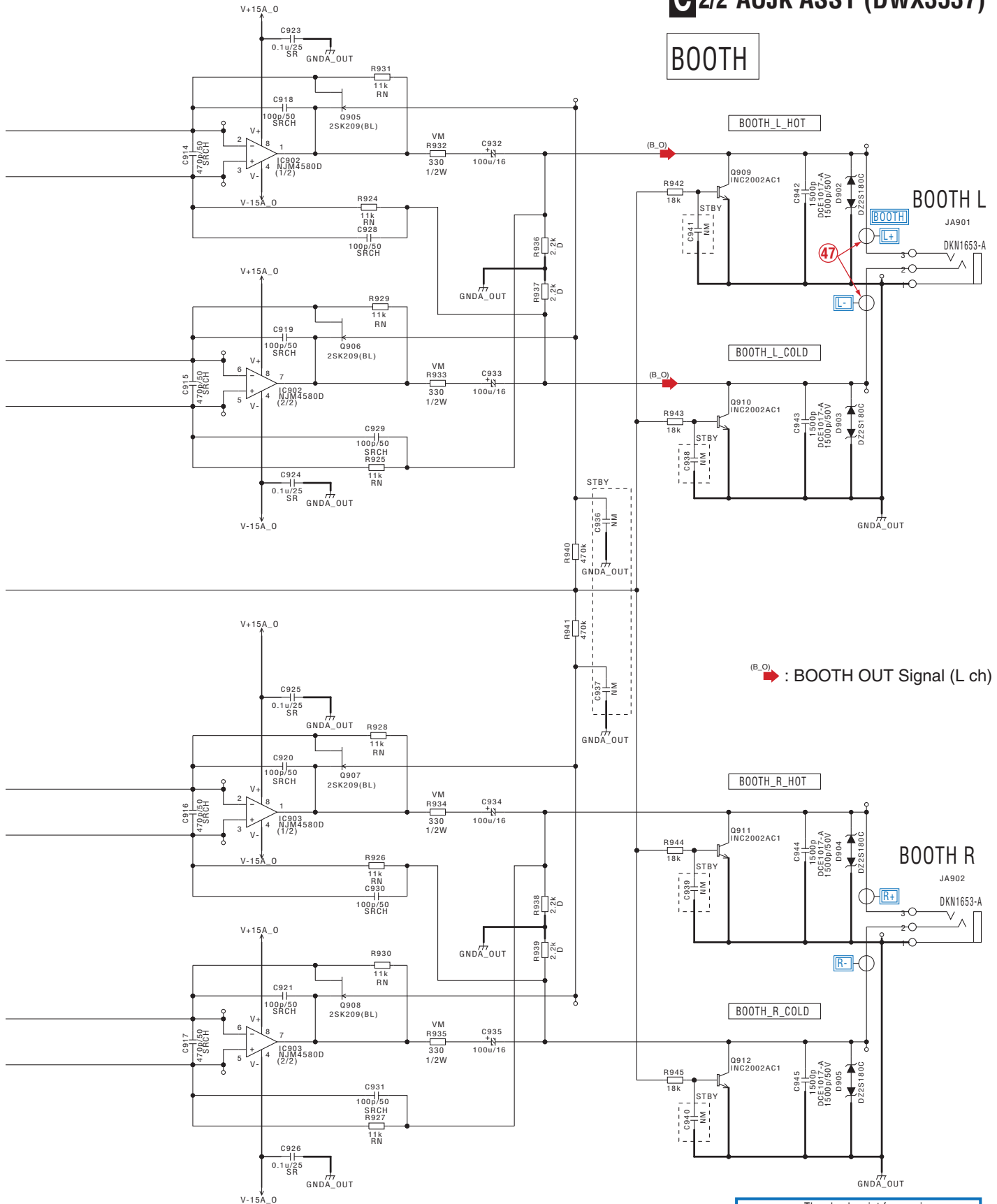
E

F



C2/2 AOJK ASSY (DWX3537)

BOOTH



10.20 HPJK ASSY

In this manual, the same reference numbers are allotted to the electrical parts of the Assys indicated below. Be sure to confirm the Assy name, as well as the reference number.

ASSY names:

USBB (DWX3555) and HPJK (DWX3538):

Overlapped numbers

3,900s

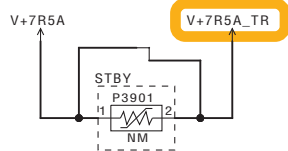
※ASSY 間でリファレンスの重なりあり。

ASSY

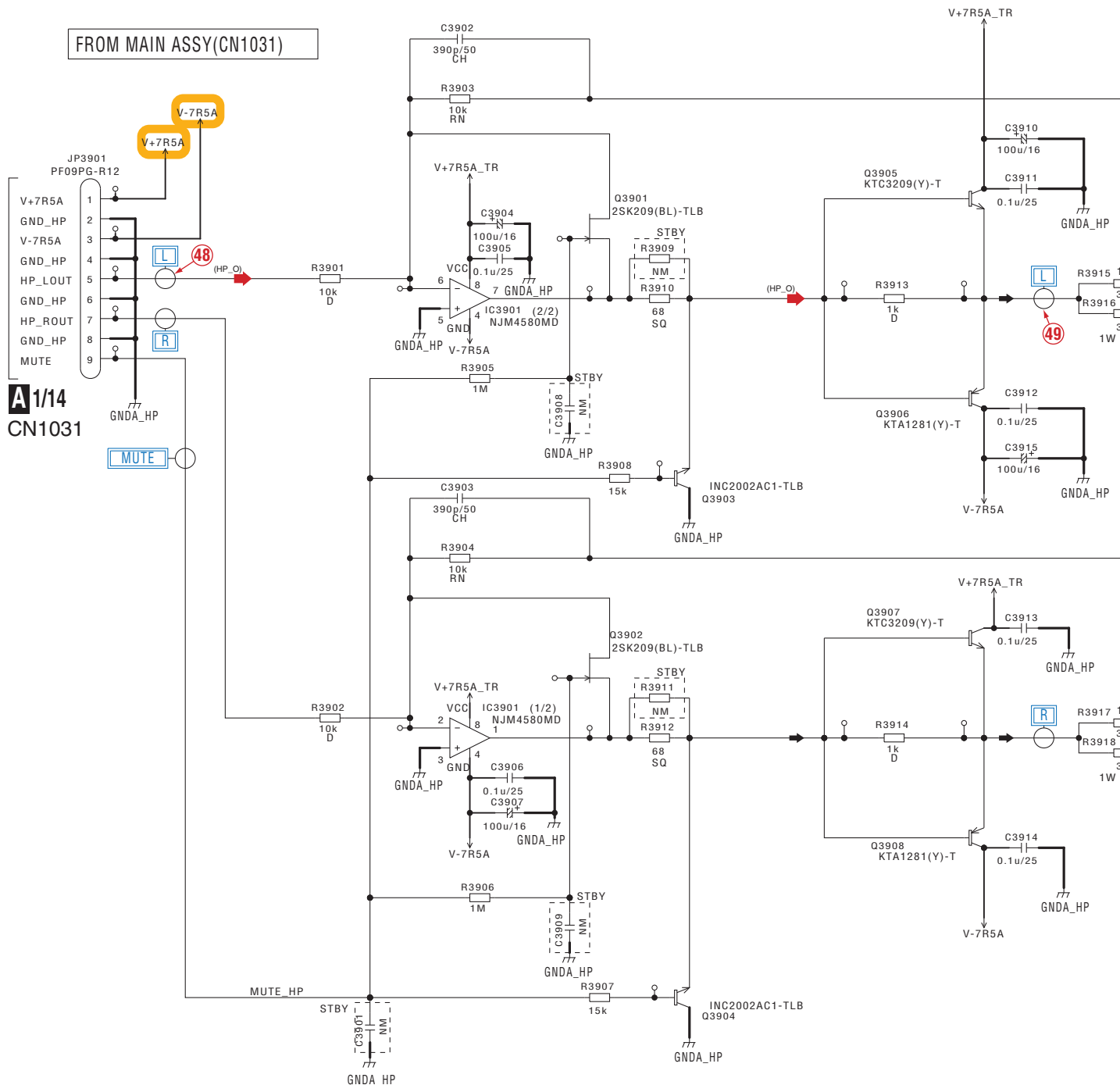
USBB (DWX3555) - HPJK (DWX3538)

重なっている番号

3900 番台



FROM MAIN ASSY(CN1031)



10.21 USBB ASSY

In this manual, the same reference numbers are allotted to the electrical parts of the Assys indicated below. Be sure to confirm the Assy name, as well as the reference number.

ASSY names:

USBB (DWX3555) and HPJK (DWX3538):

Overlapped numbers

3,900s

※ASSY間でリファレンスの重なりあり。

ASSY

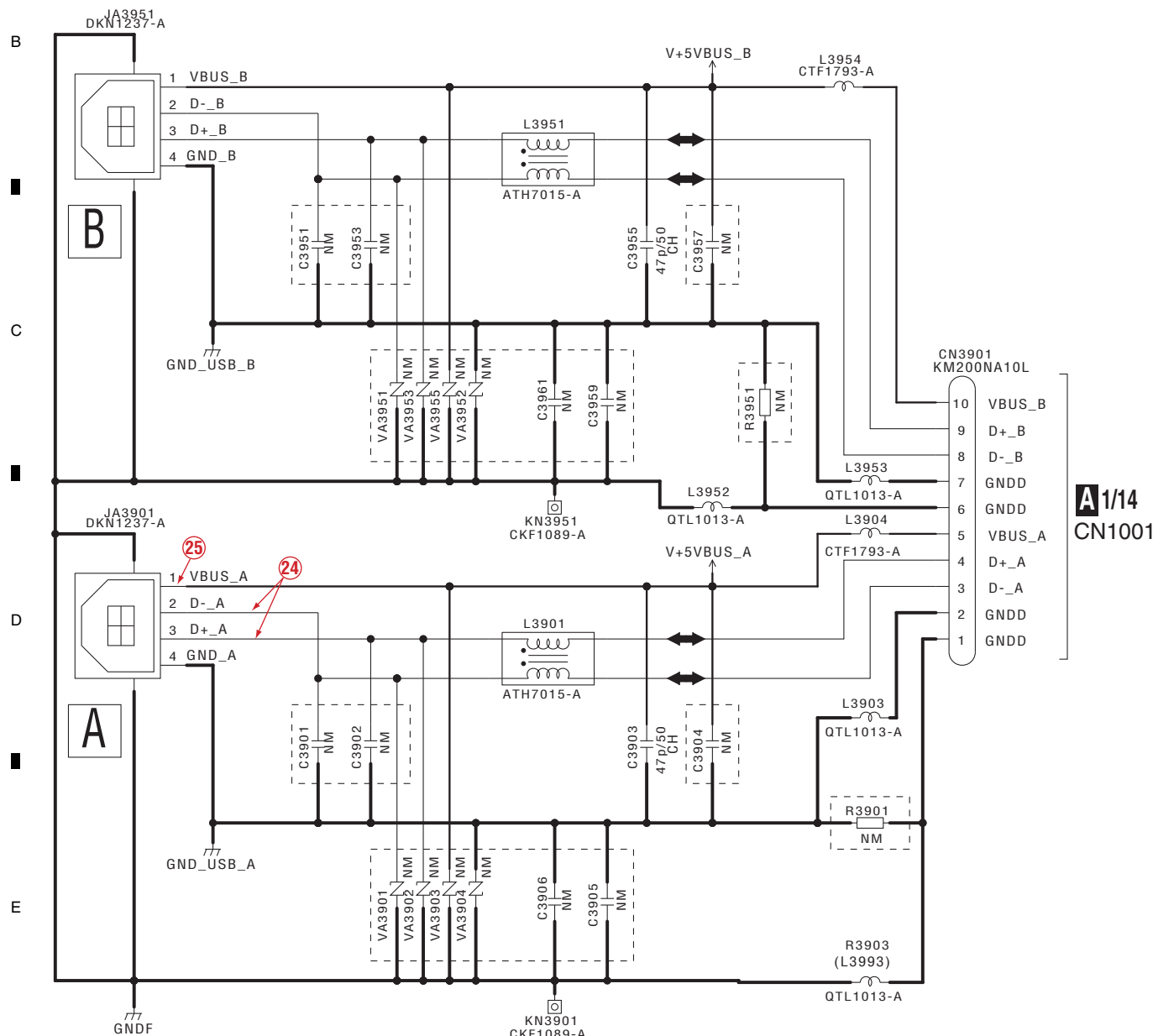
USBB (DWX3555) - HPJK (DWX3538)

重なっている番号

3900 番台

USBB ASSY (DWX3555)

USB2.0 High speed



NOTES

is STBY
RS1/16SS***J

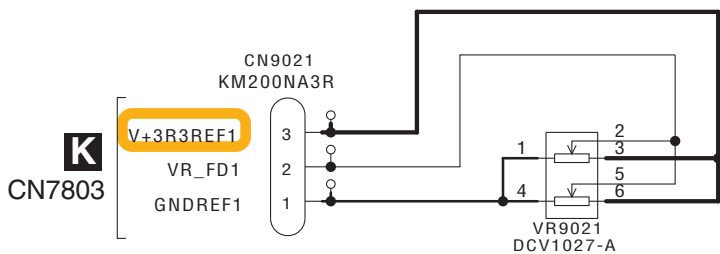
CKSSYB***K

CH CCSSCH***J

SRCH CCSRCH***D

F

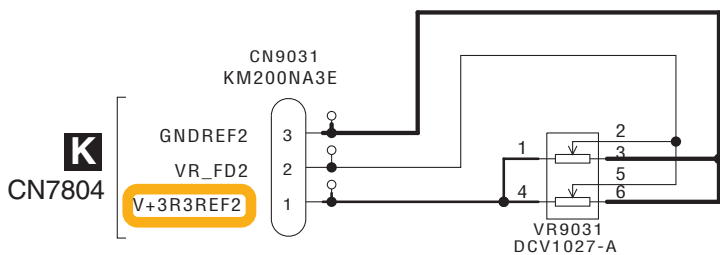
FAD1 ASSY (DWX3540)



CH1_FADER

G

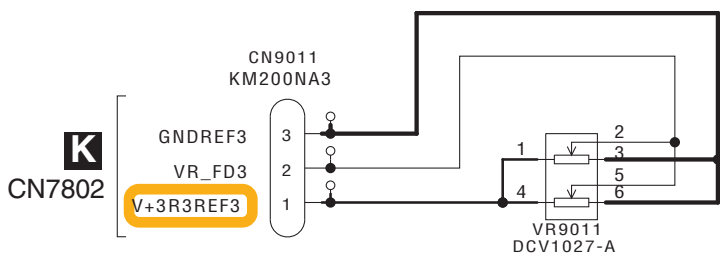
FAD2 ASSY (DWX3541)



CH2_FADER

H

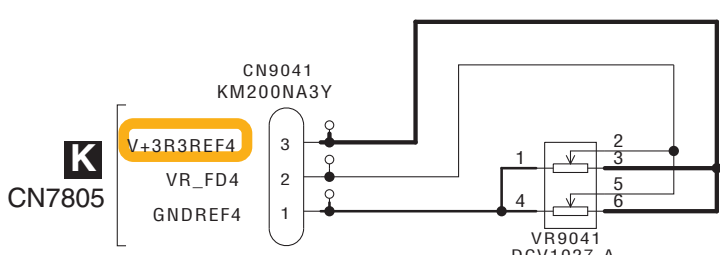
FAD3 ASSY (DWX3539)



CH3_FADER

I

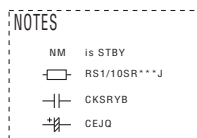
FAD4 ASSY (DWX3542)



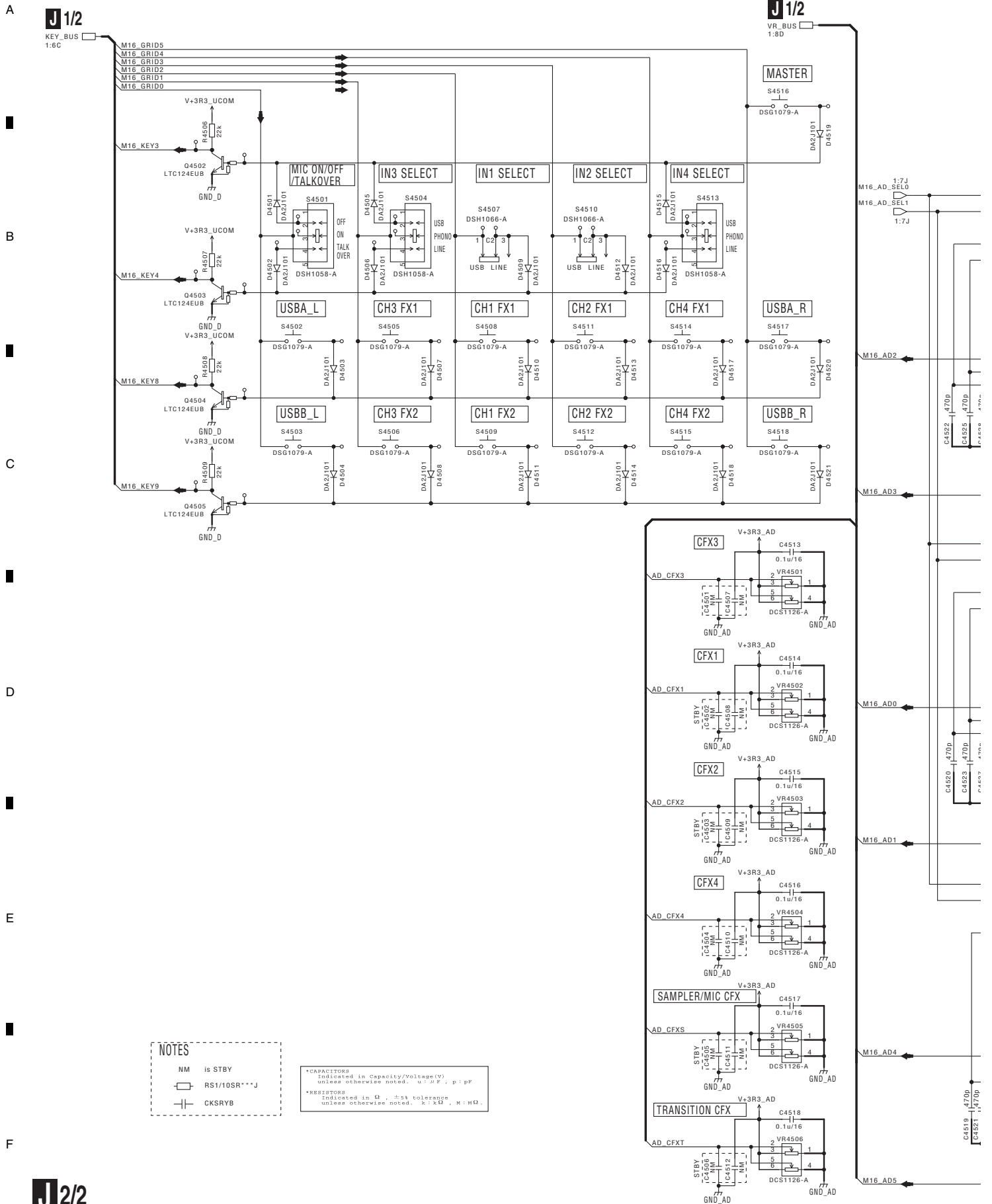
CH4_FADER

4

F



10.24 MXRA ASSY (2/2)



A



C

D

E

F

4



K MXRB ASSY (DWX3544)

NOTES

NM means STANDBY

RS1/10SR***J

CKSRYB

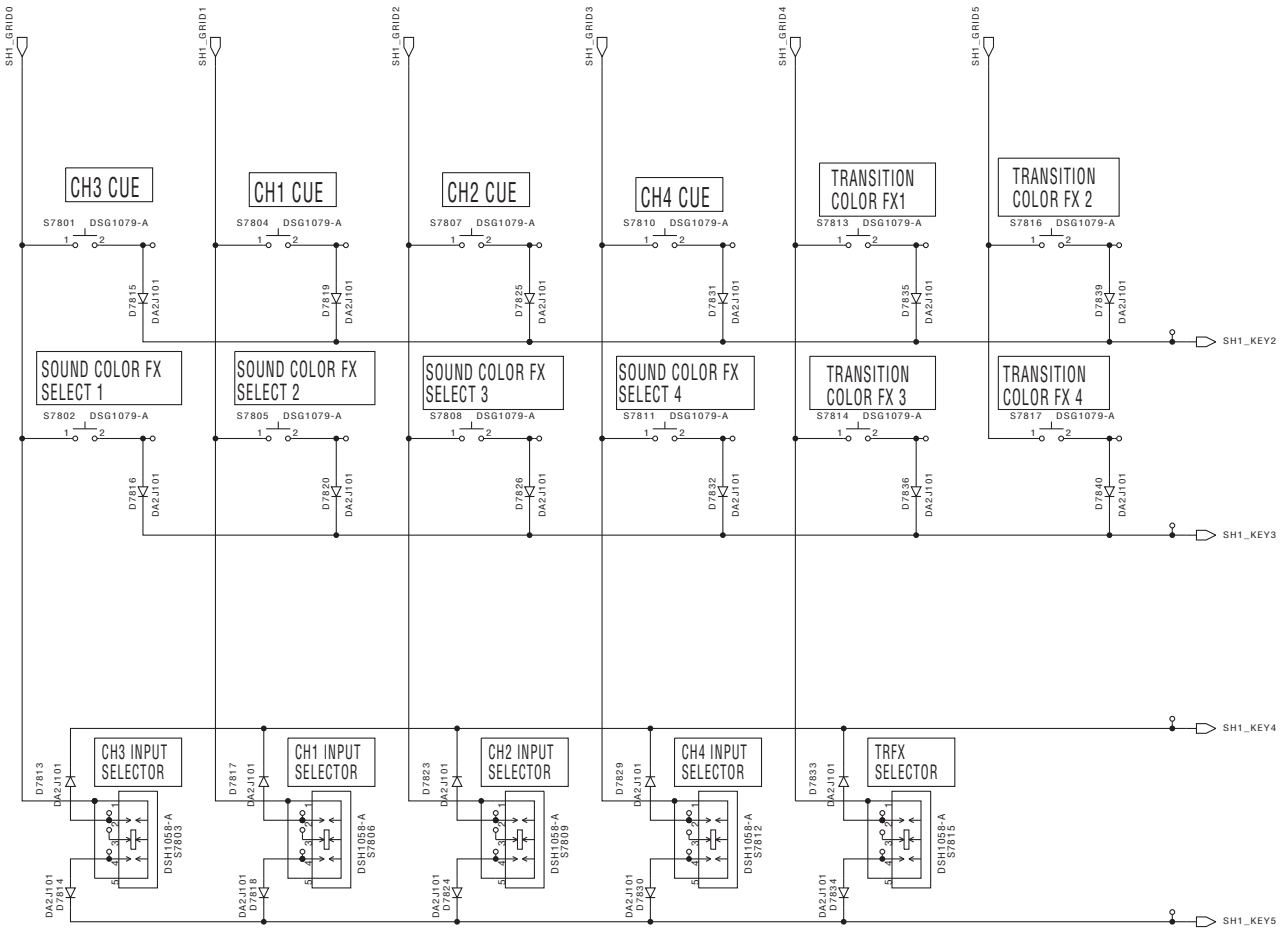
CEJQ

*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: k Ω , M: M Ω .

14

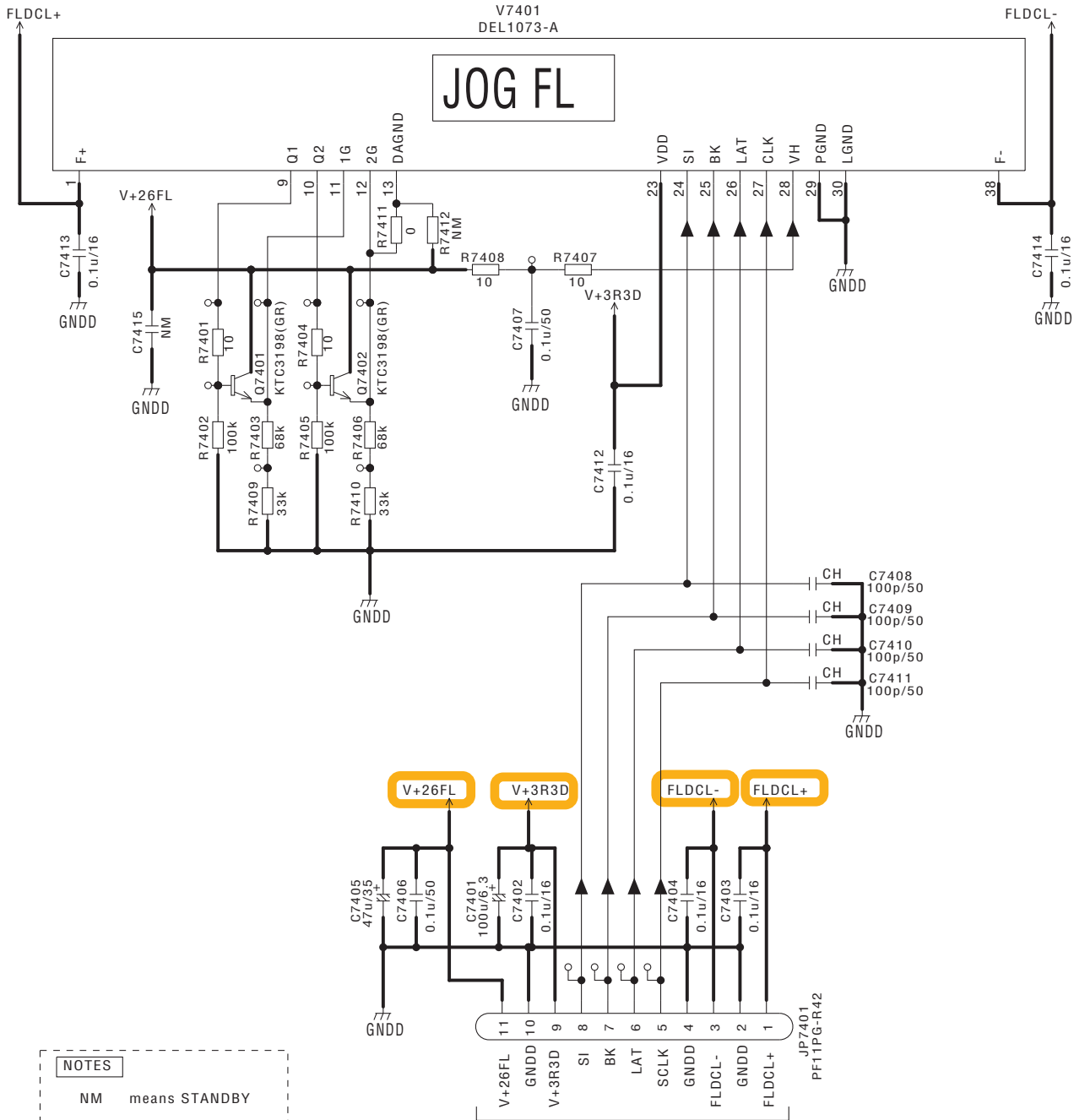
1131



10.26 JFLL and JFLR ASSYS

M JFLL ASSY (DWX3545)

JFLL ASSY(JOG FL LEFT)



NOTES

NM

means

STANDBY

RS1/10SR***J

CKSRYB

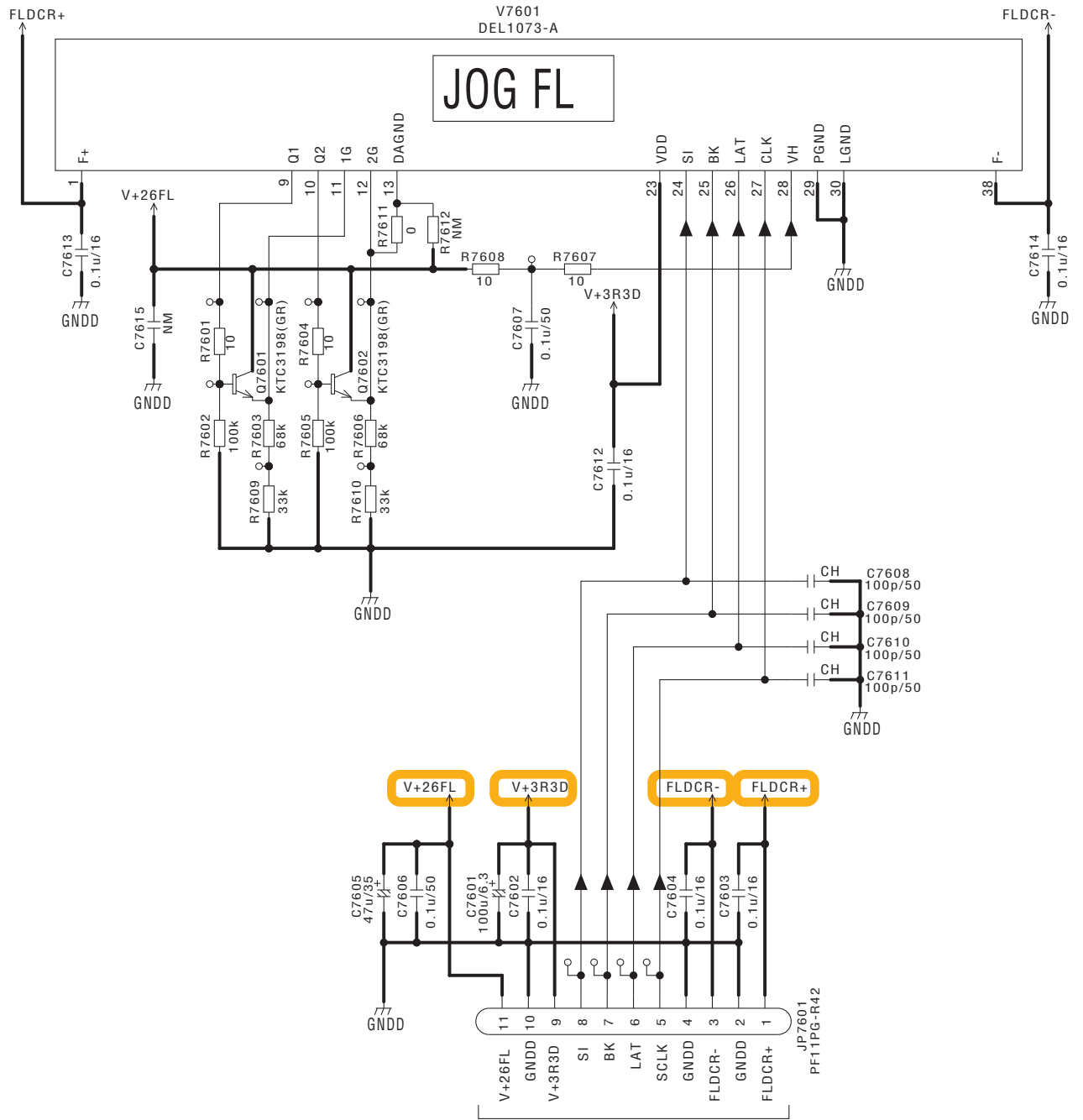
CCSRCH

CEAT

A 1/14 CN1061

N JFLR ASSY (DWX3546)

JFLR ASSY(JOG FL RIGHT)



A 1/14 CN1062

NOTES	
NM	is No Mount
	RS1/10SR***K
	CKSRyb***K

10.28 JOGTL and JOGR ASSYS

W JOGTL ASSY (DWX3551)

A

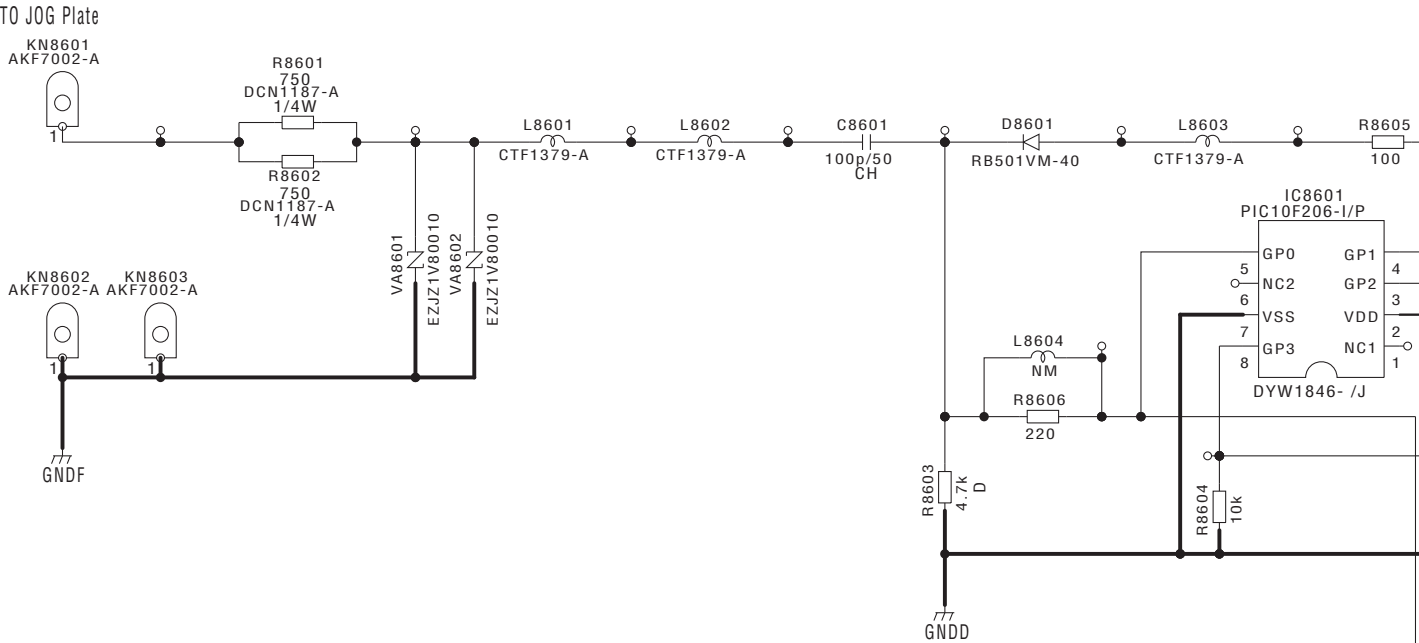
B

C

D

E

F



NOTES

NM means STANDBY

RS1/10SR***J

RS1/10SR***D

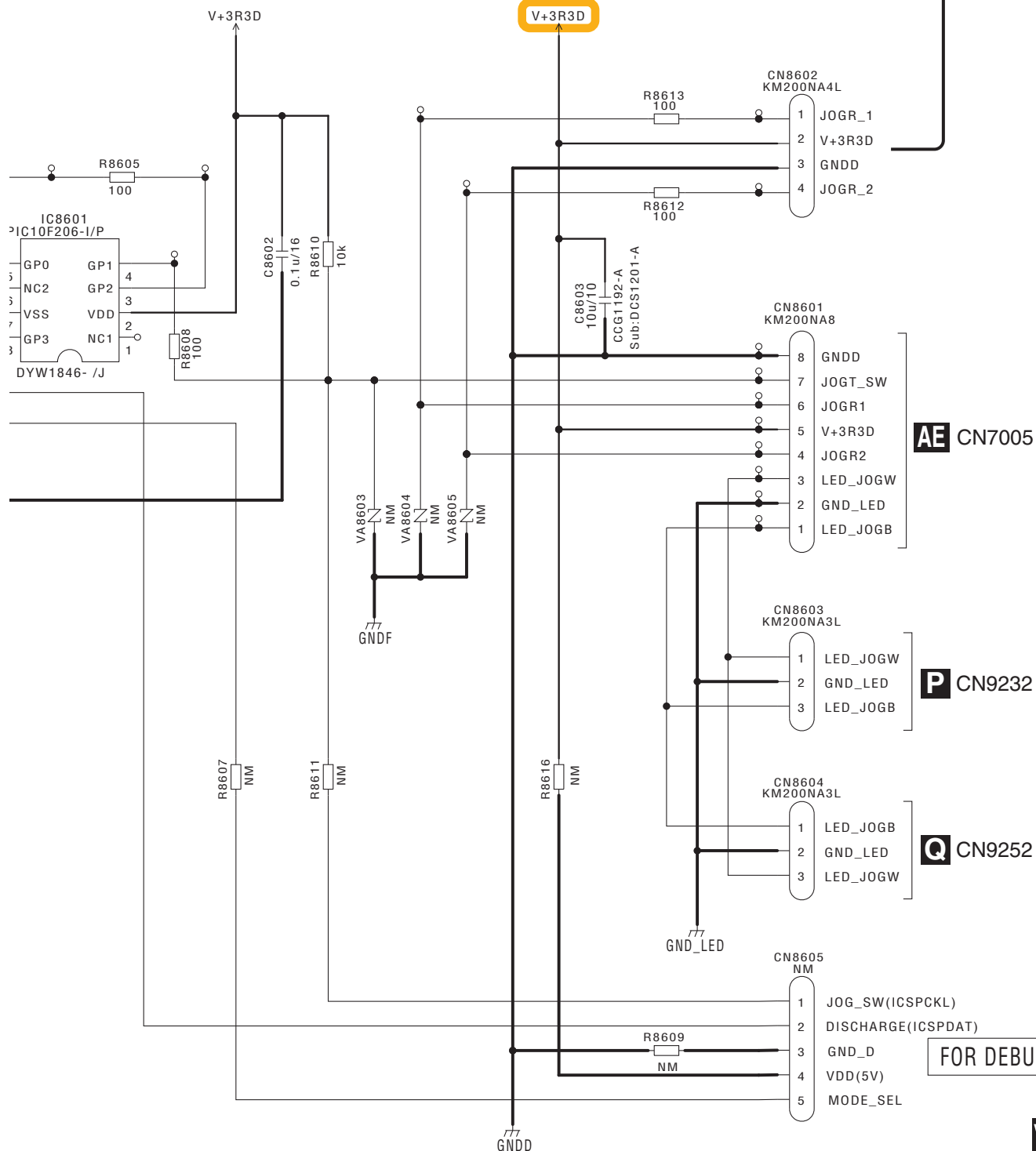
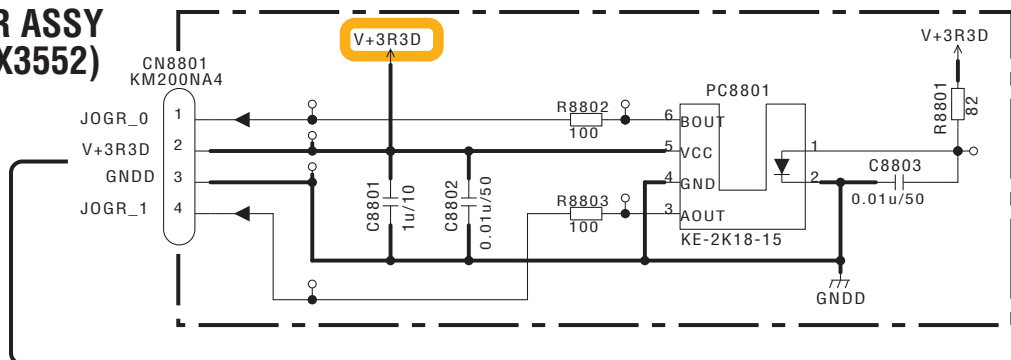
CKSRYB

CCSRCH

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

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

Y JOGR ASSY (DWX3552)



AE CN7005

P CN9232

Q CN9252

FOR DEBUG

DDJ-SZ

W Y

10.29 JOGTR and JOGR ASSYS

X JOGTR ASSY (DWX3565)

A

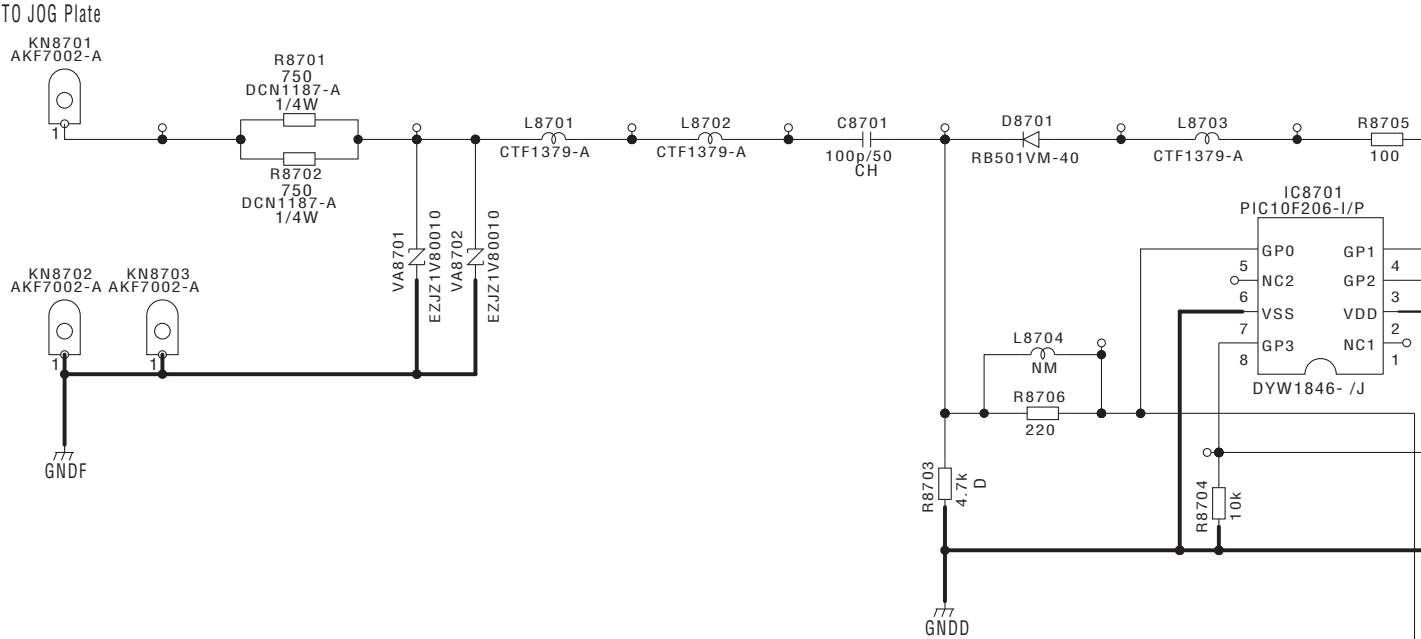
B

C

D

E

F



*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 : K Ω , M : M Ω .

NOTES

NM means STANDBY

RS1/10SR****J

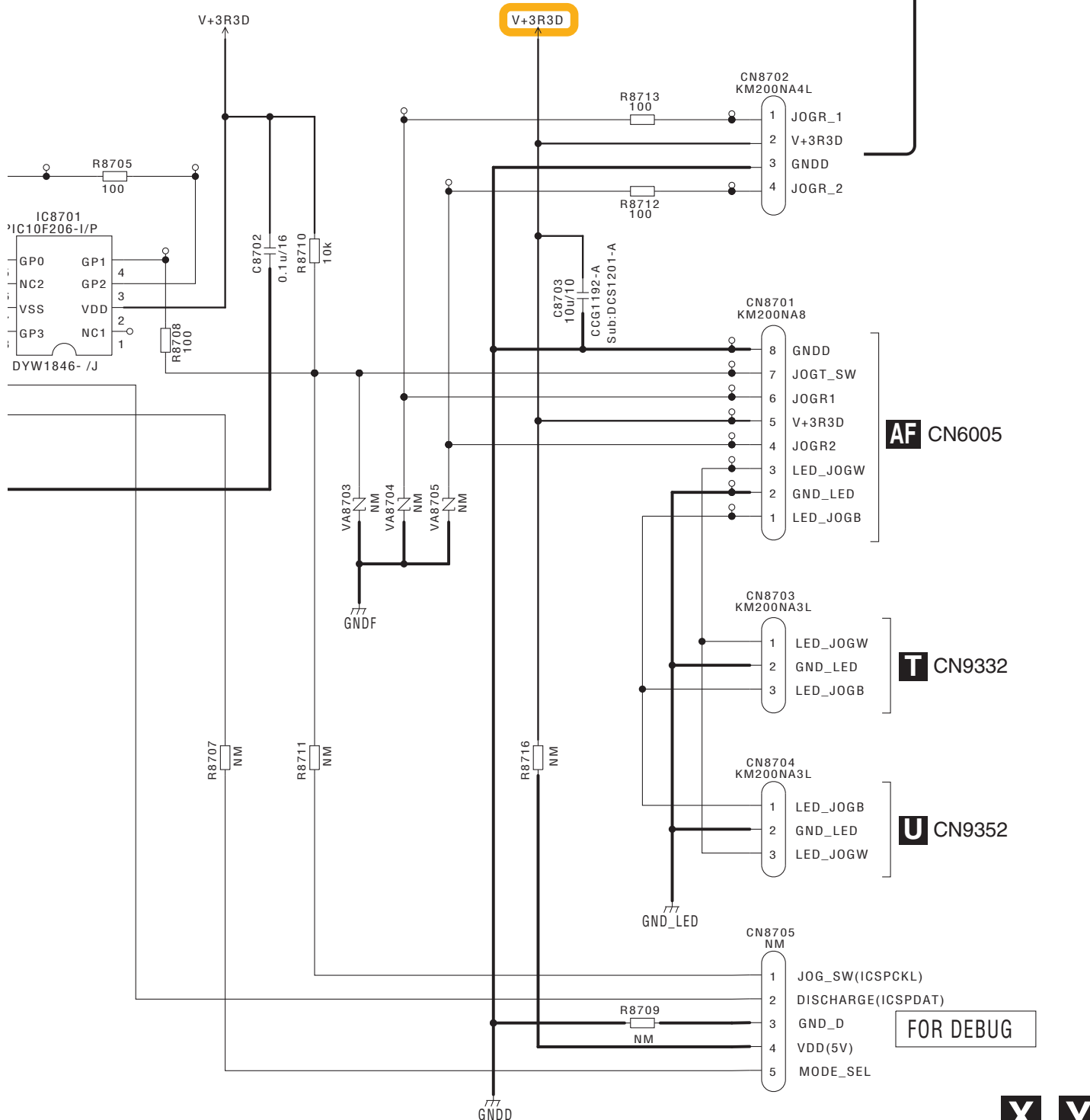
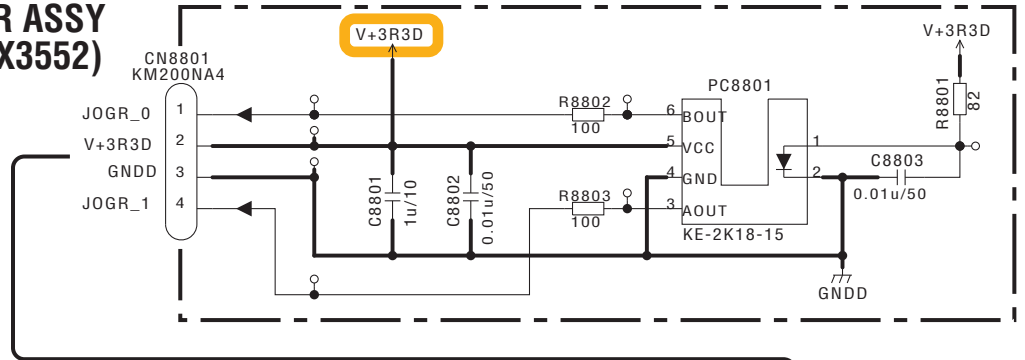
RS1/10SR****D

CKSRYB

CCSRCH



Y JOGR ASSY (DWX3552)



△

A

Overlapped numbers

6,000s

重なっている番号

6000 番台



C

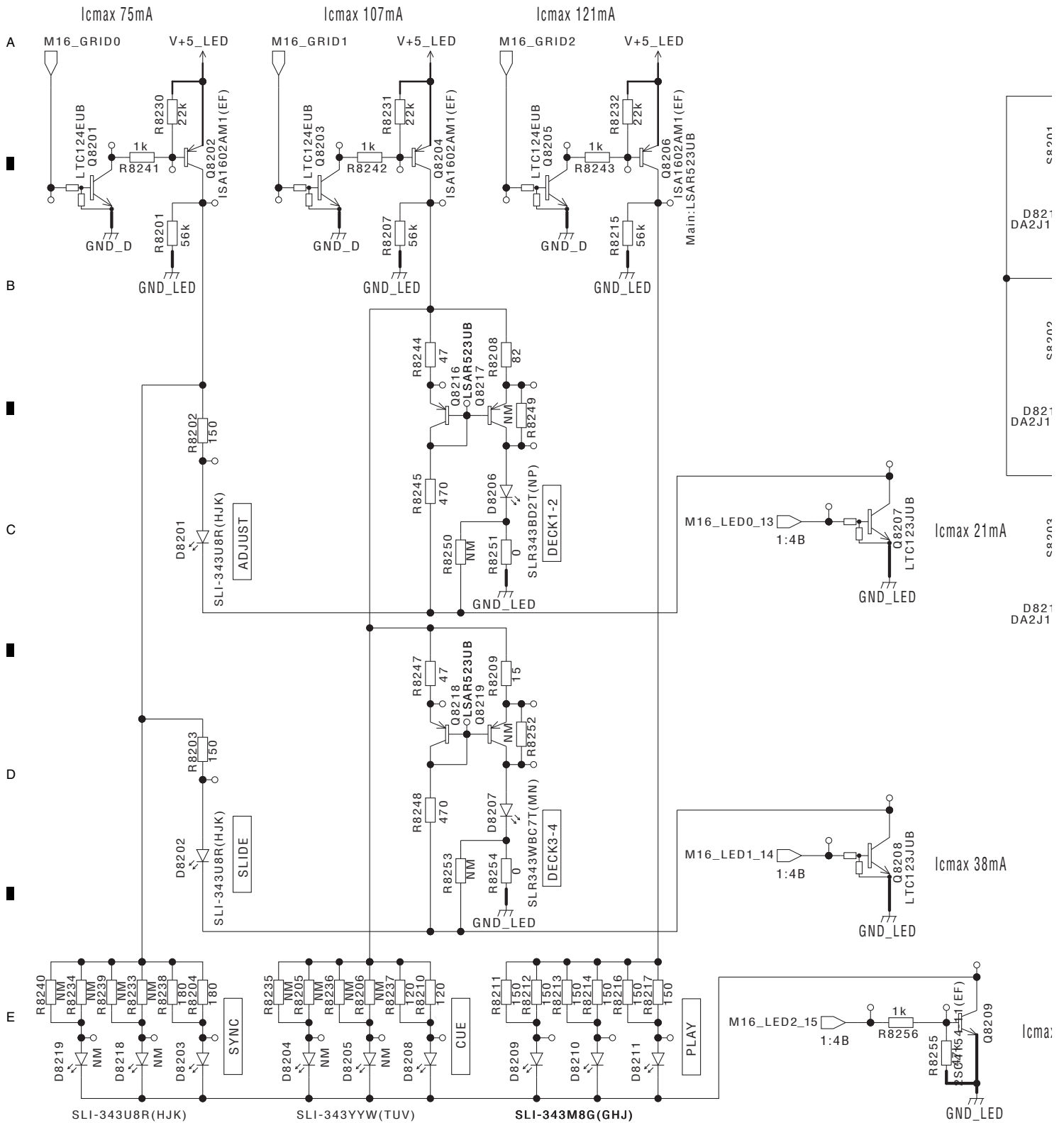
D

F

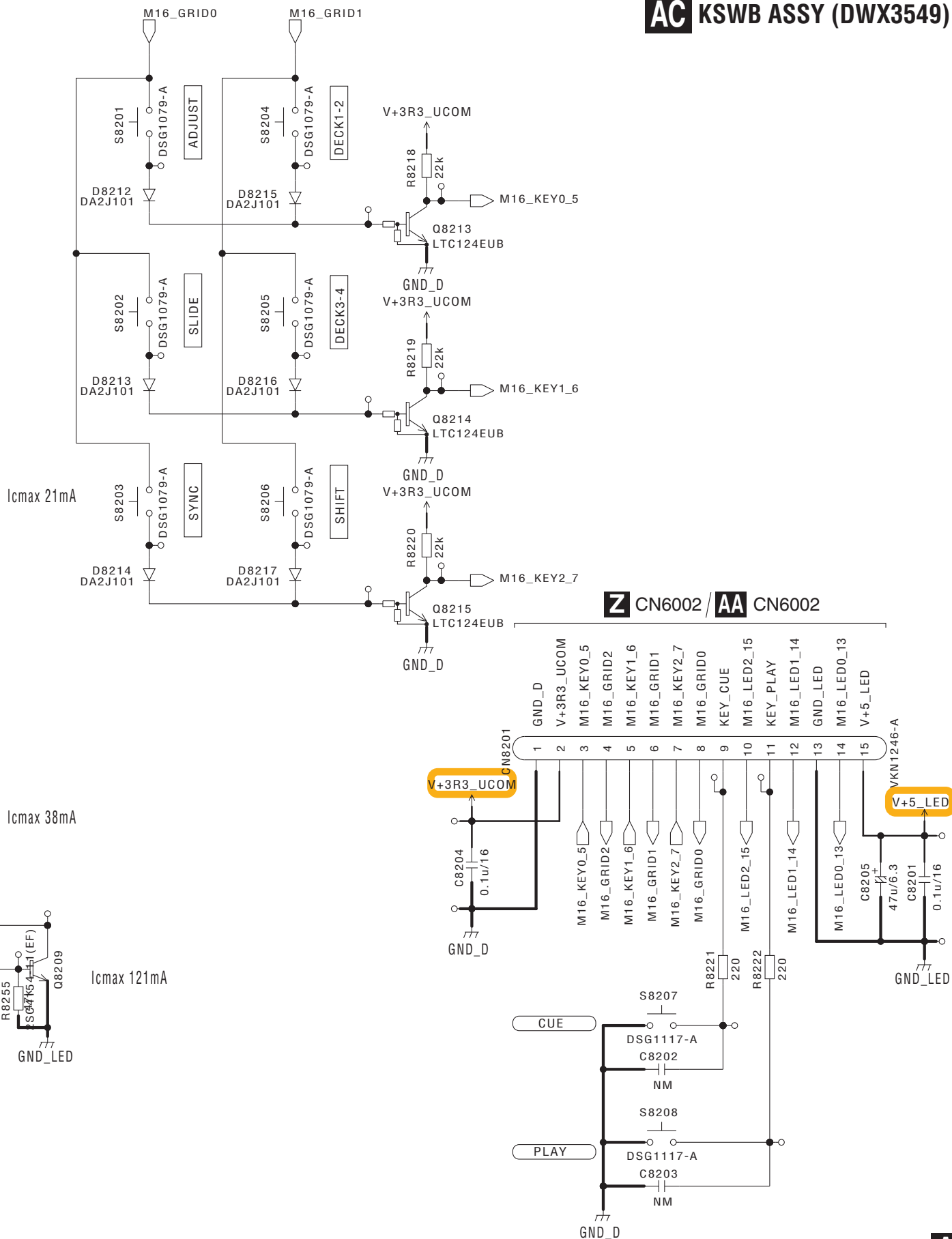
F

145

10.31 KSWB ASSY



AC KSWB ASSY (DWX3549)



A

B

C

D

E

F

△



AD SLDB ASSY (DWX3550)

A

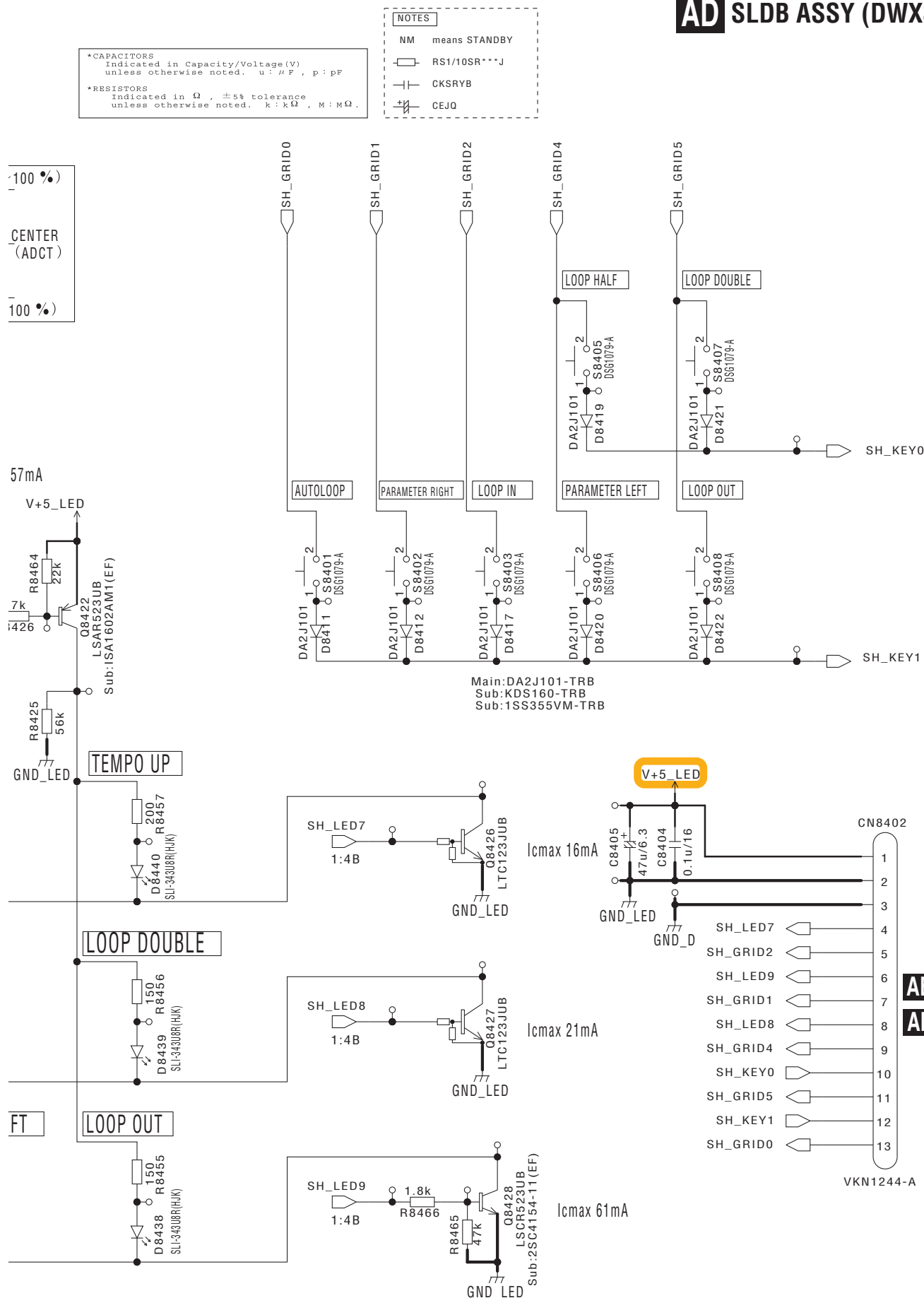
B

C

D

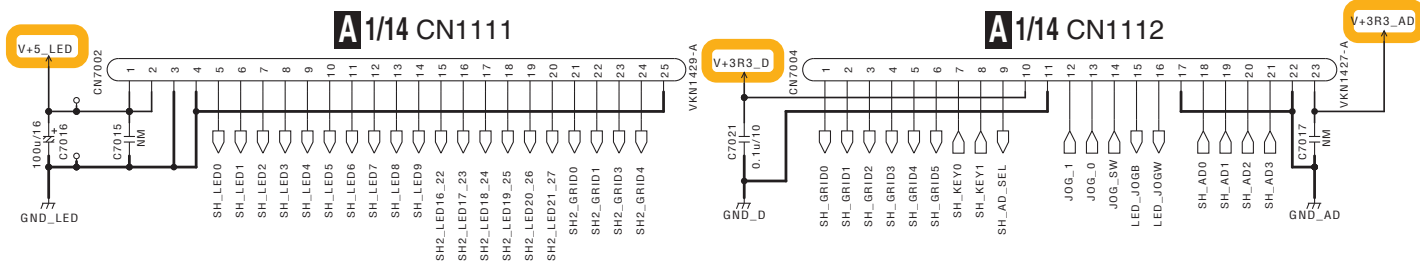
E

F

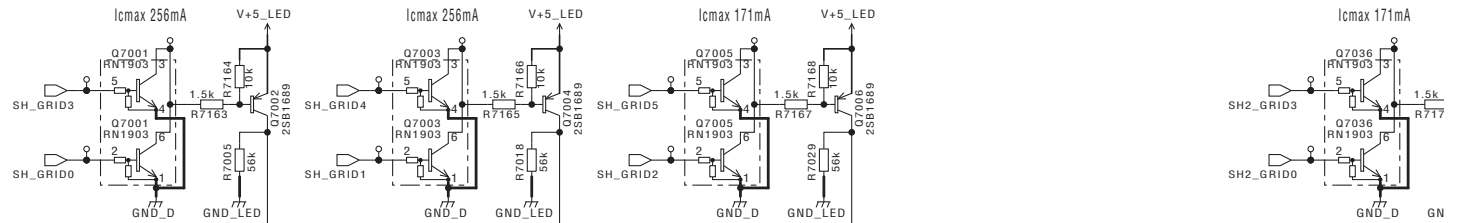


10.33 PADL ASSY

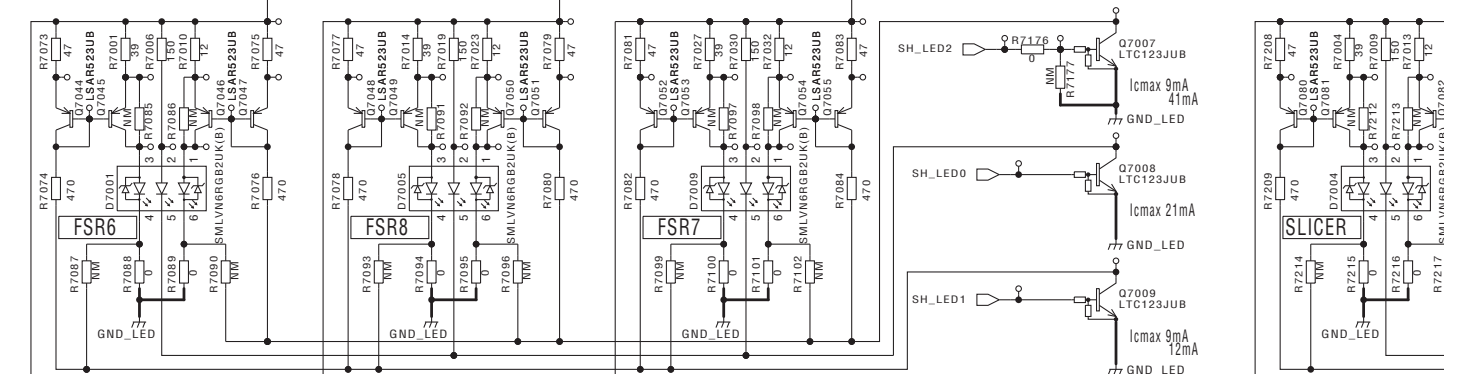
A



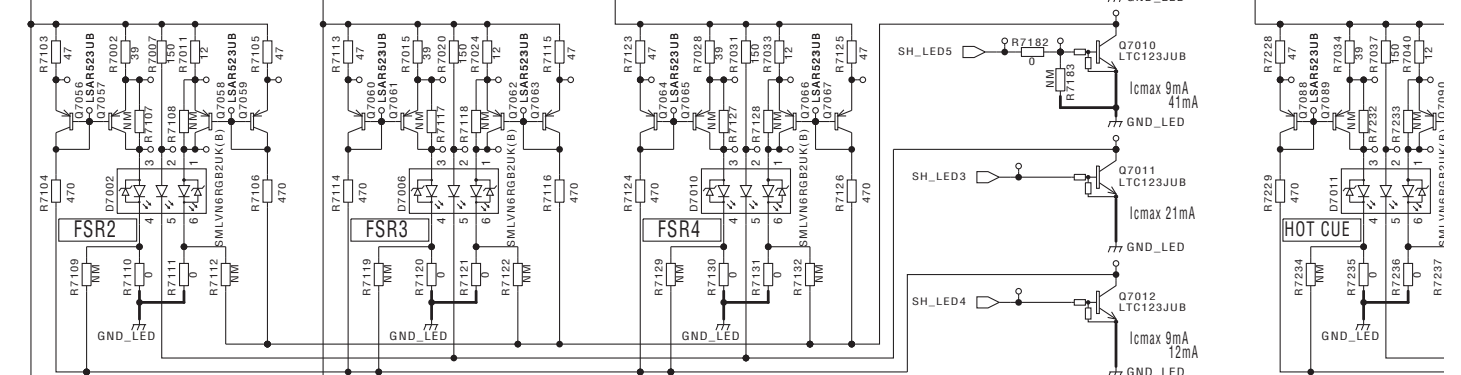
B



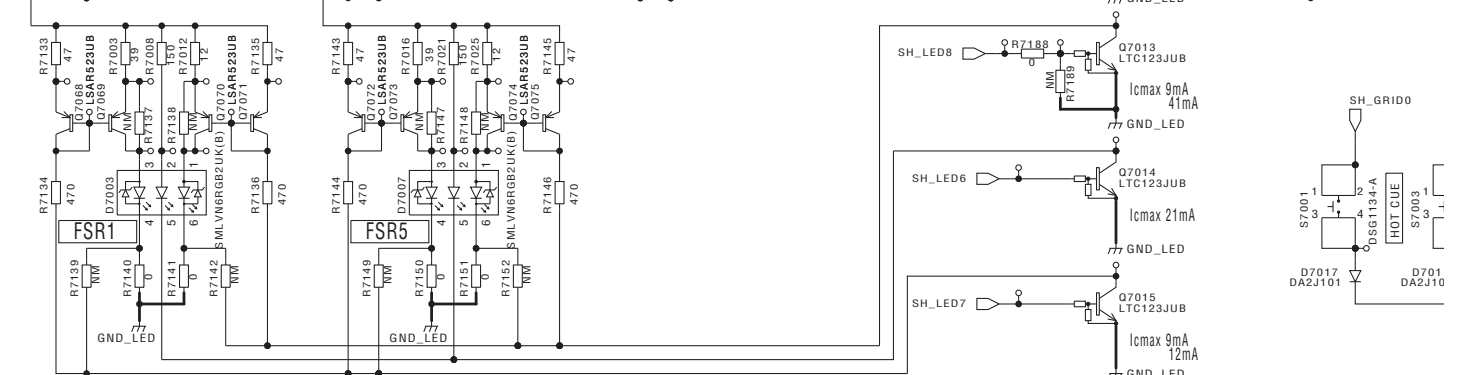
C



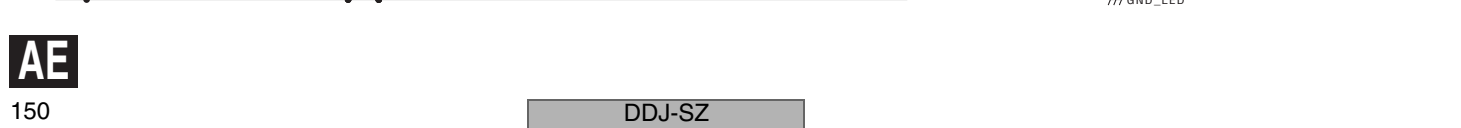
D



E

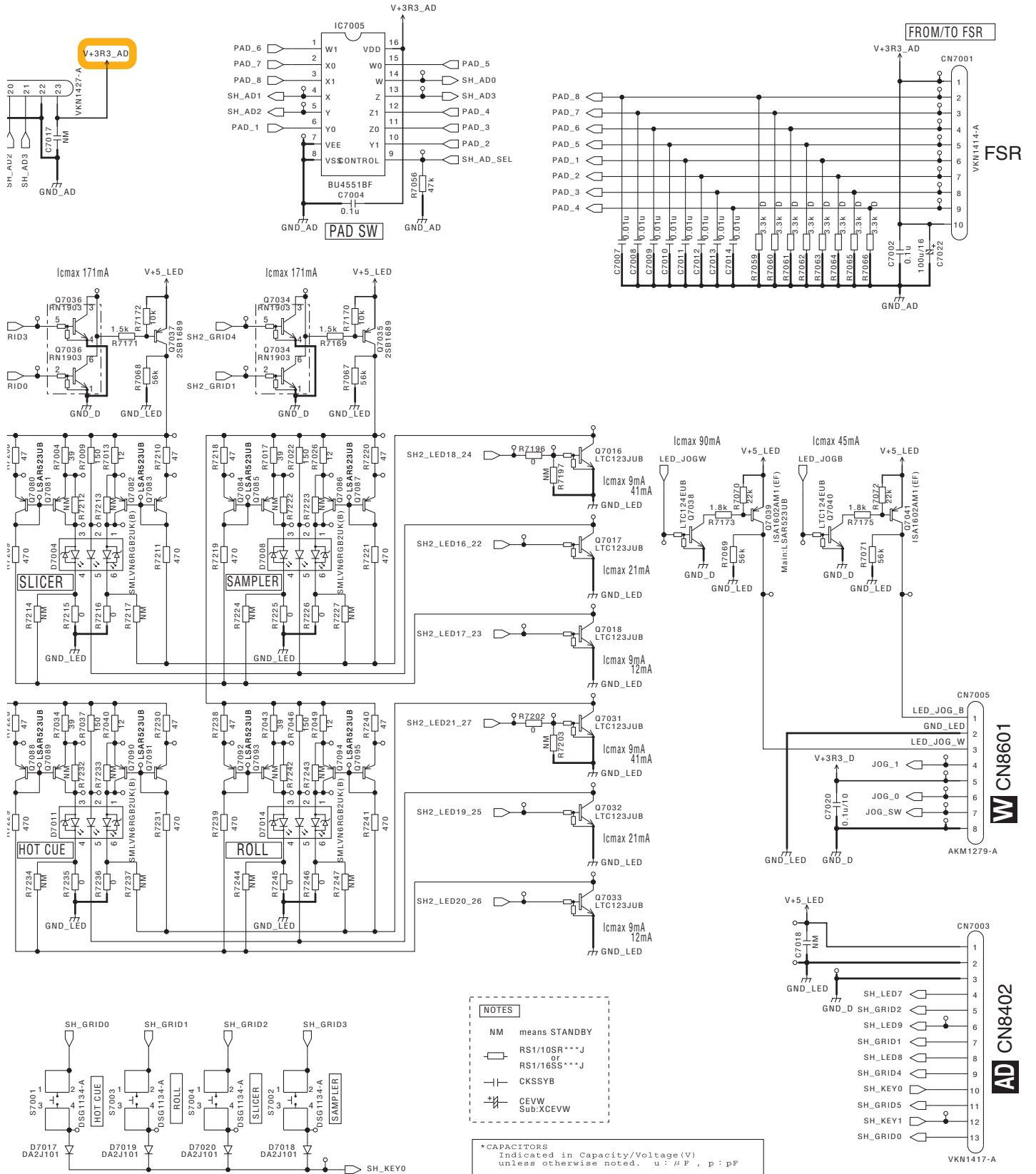


F



AE

AE PADL ASSY (DWX3553)



In this manual, the same reference numbers are allotted to the electrical parts of the Assys indicated below. Be sure to confirm the Assy name, as well as the reference number.

ASSY names:

Overlapped numbers

MAIN (DWX3535), DEUP (DWX3548), and PADR (DWX3583):

6,000s

※ASSY 間でリファレンスの重なりあり。

ASSY

重なっている番号

MAIN (DWX3535) - DEUP (DWX3548) - PADR (DWX3583)

6000 番台

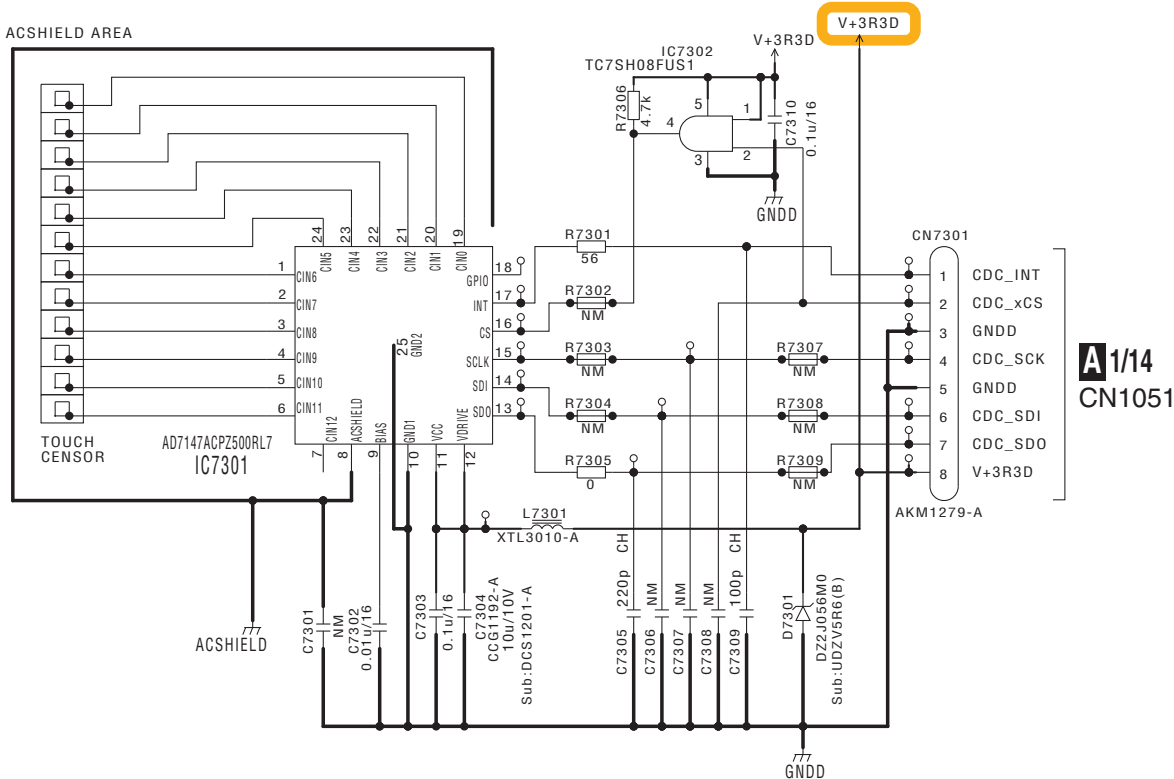


A

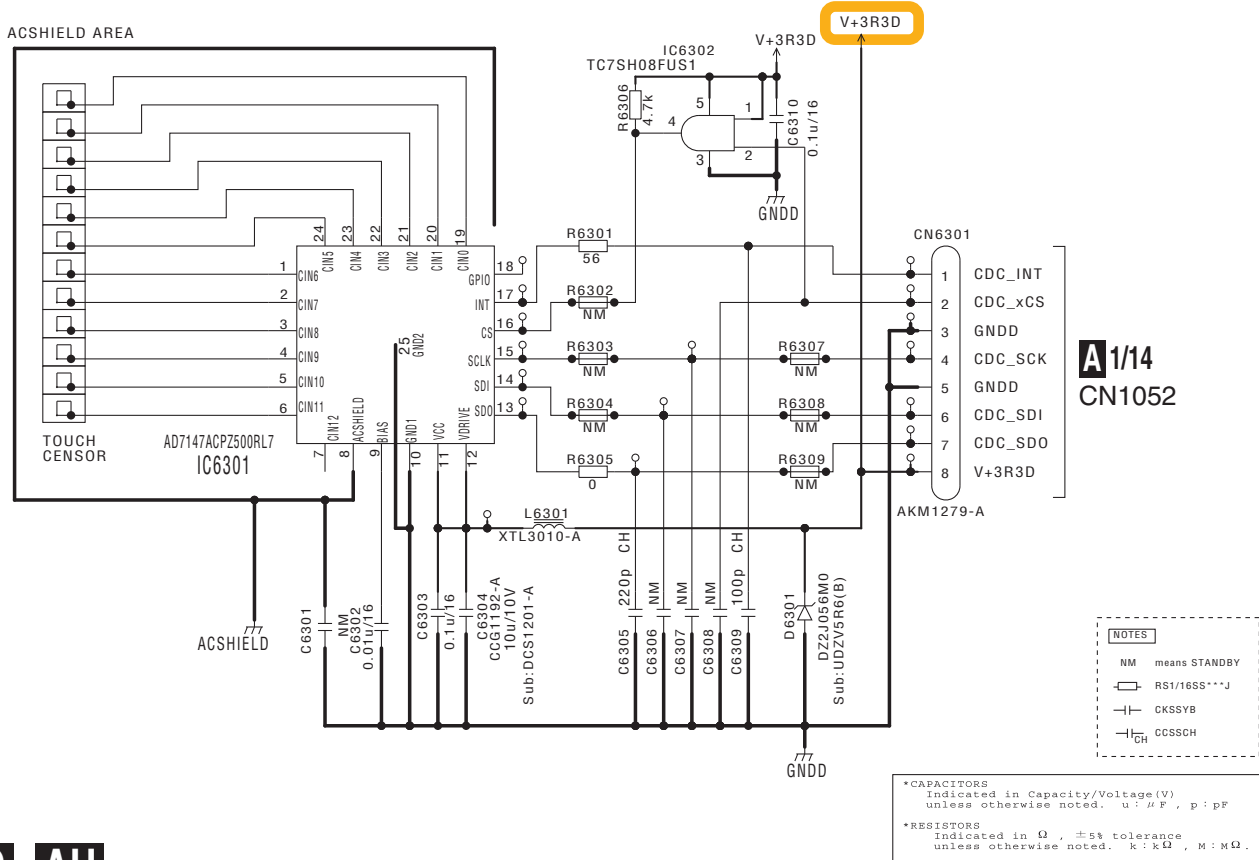


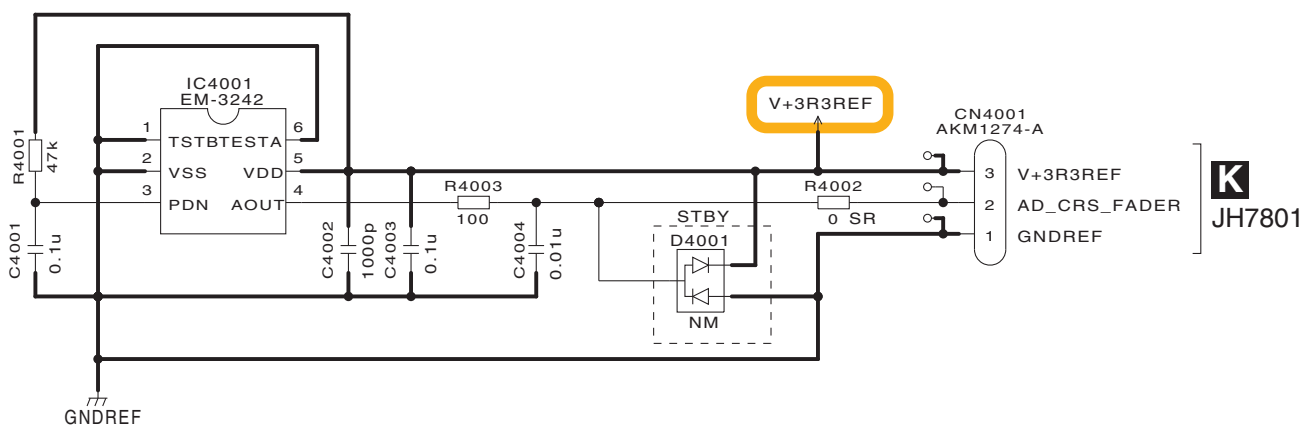
10.35 CDCL and CDCR ASSYS

AG CDCL ASSY (DWX3554)



AH CDCR ASSY (DWX3584)

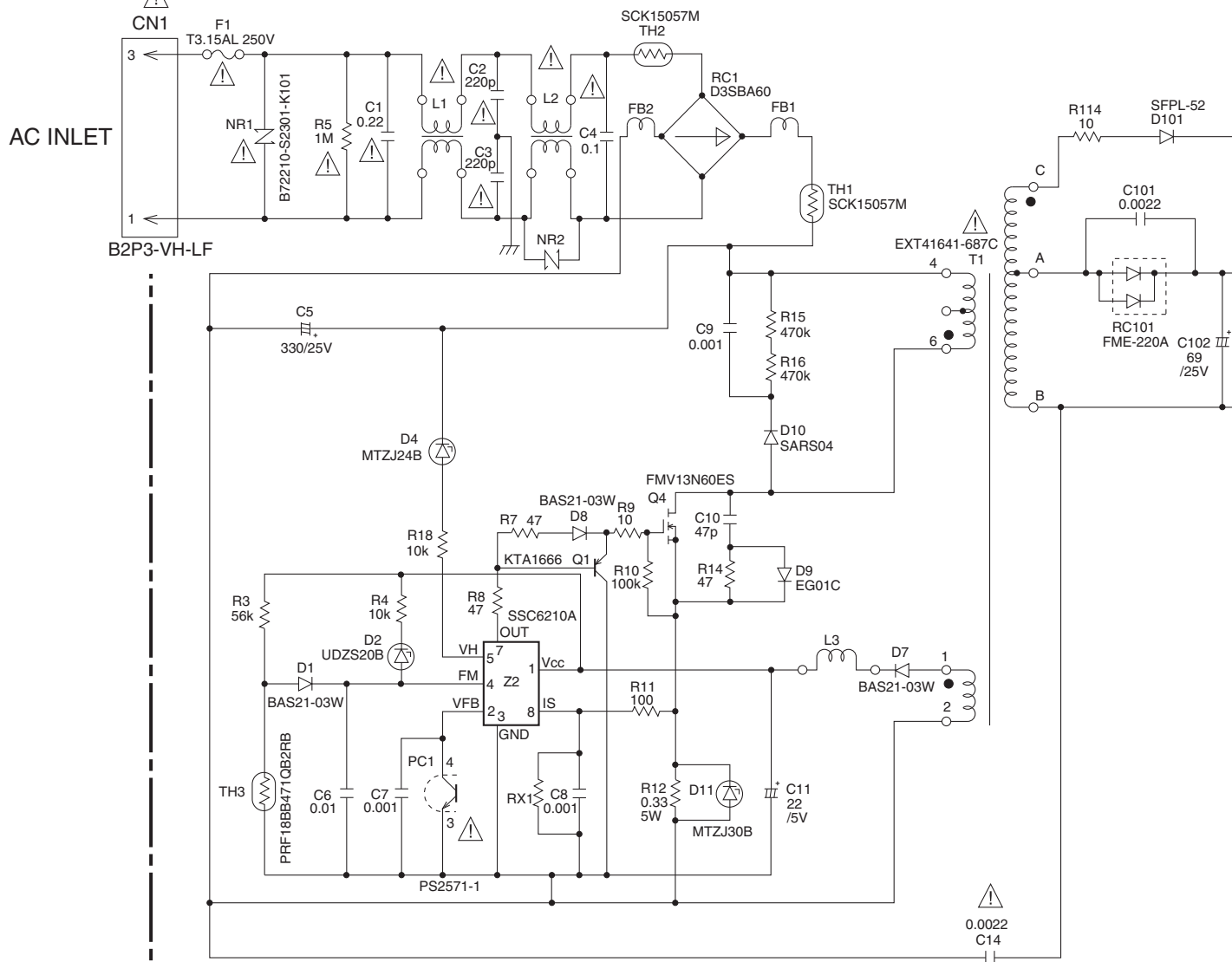




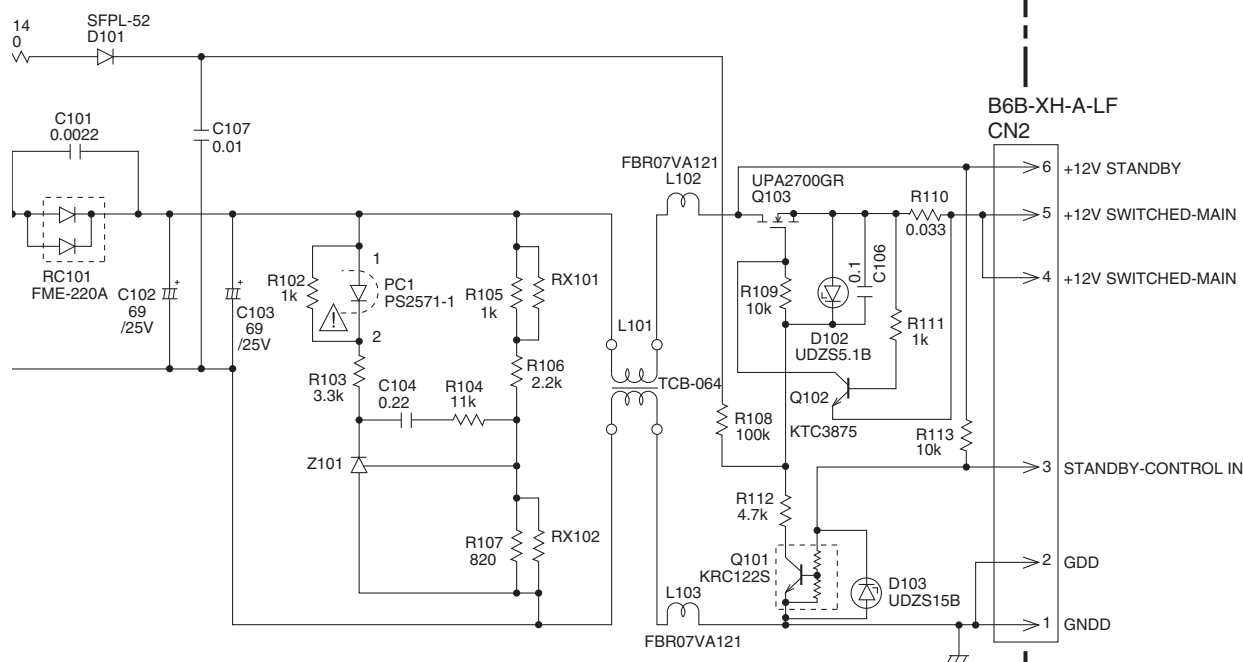
Notes			
	NM	is STBY	
	RS1/16SS***J		Ω
SR	RS1/10SR***J		Ω
	CKSSYB***K		F

10.37 POWER SUPPLY ASSY

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE NO. SST, 3.15A 250V MFD. BY NIPPON SEISEN CABLE LTD. FOR F1.



 AJ POWER SUPPLY ASSY (DWR1463)



*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: k Ω , M: M Ω

△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。
The △ 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.

A2/14
CN1201

10.38 VOLTAGES

No.	Power Name	Normal voltage level [V]			Measurement point	Possible defective point when a voltage error is generated	Power supply at standby (at POWER SW OFF)
		Min	Typ	Max			
1	V+12E	10.80	12.00	13.20	②	M16 UCOM (IC6001), MUTE CIRCUIT	ON
2	V+12SW	10.80	12.00	13.20	①	ALL DIGITAL/ANALOG CIRCUIT	OFF
3	V+3R3E	3.27	3.30	3.33	④	M16 UCOM (IC6001), RESET IC (IC3602, IC6003)	ON
4	V+26FL (V+26FL_*)	25.23	26.00	26.79	⑤	FL TUBE (V7401, V7601)	OFF
5	V+1R2D (V+1R2D_*)	1.22	1.26	1.30	⑧	SH UCOM (IC2201, IC2601), DSP (IC3201)	OFF
6	V+5D, V+5LED	4.89	5.09	5.28	⑩	LED, DIGITAL CIRCUIT	OFF
7	V+3R3D (V+3R3D_*, V+3R3_*)	3.27	3.30	3.33	⑨	ALL DIGITAL CIRCUIT	OFF
8	V+8A	7.61	7.92	8.23	⑪	DAC, ADC	OFF
9	V+18A	17.31	18.00	18.71	⑫	ANALOG AUDIO CIRCUIT	OFF
10	V-18A	-17.64	-17.97	-18.29	⑫	ANALOG AUDIO CIRCUIT	OFF
11	V+15A (V+15A_*)	14.40	15.00	15.60	⑬	ANALOG AUDIO CIRCUIT	OFF
12	V-15A (V-15A_*)	-14.40	-15.00	-15.60	⑬	ANALOG AUDIO CIRCUIT	OFF
13	V+5A	4.80	5.00	5.20	⑮	DAC, ADC	OFF
14	V+3R3A	3.27	3.30	3.33	⑯	DAC, ADC	OFF
15	V+7R5HP (V+7R5A, V+7R5A_*)	7.22	7.50	7.78	⑯	HP CIRCUIT	OFF
16	V-7R5HP (V-7R5A)	-7.33	-7.49	-7.66	⑯	HP CIRCUIT	OFF
17	V+5VBUS_* (Power of connected PC)	4.75	5.00	5.25	⑳	USB communication is defective	ON

ex) V+3R3D_* V+3R3D_SH1, V+3R3D_SH2, V+3R3D_DSP, etc

10.39 WAVEFORMS

Measurement Condition

IN or OUT	Measure CH	IN CH	IN LEVEL	IN FREQUENCY	RL	Remarks
IN	LINE	CH3	0 dB	1 kHz	—	Other CH is similar, too
IN	PHONO	CH3	-40 dB	1 kHz	—	CH4 is similar, too
IN	MIC	MIC2	-40 dB	1 kHz	—	MIC1 is similar, too
IN	USB	PORT A	0 dB	1 kHz	—	PORT B is similar, too
OUT	MASTER 1	CH3/LINE, PHONO	0 dB	1 kHz	10 k Ω	MASTER 2 is similar, too
OUT	BOOTH	CH3/LINE	0 dB	1 kHz	10 k Ω	—
OUT	HP	CH3/LINE	0 dB	1 kHz	32 Ω	MINI JACK is similar, too

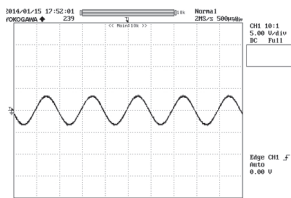
Each SW and VR settings

TRIM	: CENTER
CH FADER	: MAX
ISO	: CENTER
MIC SW	: ON
MIC LEVEL	: CENTER
MIC EQ	: CENTER
SAMPLER VOLUME	: CENTER
BOOTH MONITOR	: CENTER
HP LEVEL	: CENTER
COLOR	: CENTER
MASTER CUE	: ON
CROSS FADER	: CENTER
CROSS FADER CURVE	: CENTER
CROSS FADER ASSIGN	: THRU
TEMPO SLIDER	: CENTER
FX PARAMATER	: CENTER

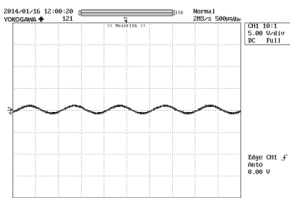
Note:
The indicated voltage values of the oscilloscope in this section are reference values and may vary, depending on the settings of the oscilloscopes and probes.
The numerics circled with a frame denote numbers for the measurement points indicated in the Schematic diagrams and PCB diagrams.

B AIJK ASSY

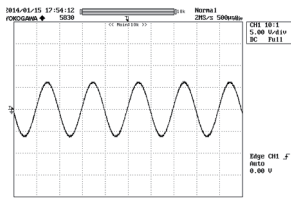
17 JA101 - pin 1 (TP)(CH3_LINE)
V: 5 V/div. H: 500 μ S/div.



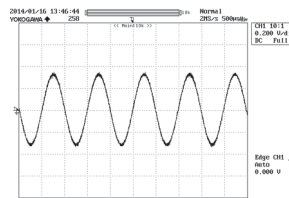
23 IC501 - pin 1 (TP)
V: 5 V/div. H: 500 μ S/div.



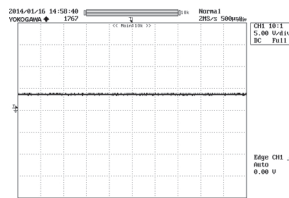
18 JP101 - pin 9 (TP)(INPUT_CH3_L)
V: 5 V/div. H: 500 μ S/div.



27 CN1011 - pin 15 (TP)(MIC2)
V: 0.2 V/div. H: 500 μ S/div.

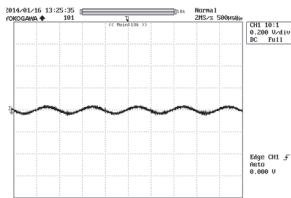


33 R3621 (TP)(CPU_MUTE)
V: 5 V/div. H: 500 μ S/div.

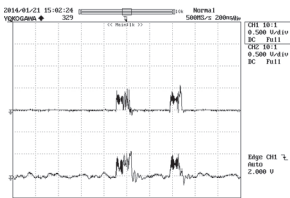


E USBB ASSY

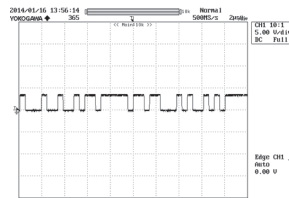
19 JA101 - pin 4 (TP)(CH3_PHONO)
V: 2 V/div. H: 500 μ S/div.



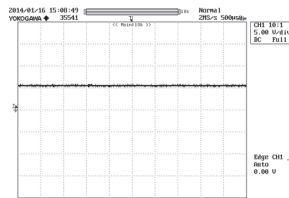
24 JA3901 - pin 2 (D- _A)
V: 0.5 V/div. H: 200 nS/div.
JA3901 - pin 3 (D+ _A)
V: 0.5 V/div. H: 200 nS/div.



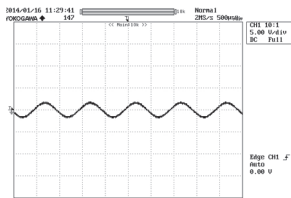
29 IC1604 - pin 12 (TP)(ADAT_CH3_ANA)
V: 5 V/div. H: 2 μ S/div.



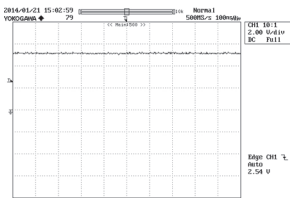
35 Q3603 - base (TP)(MVR_MUTE)
V: 5 V/div. H: 500 μ S/div.



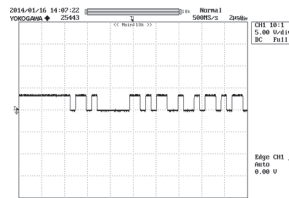
20 IC102 - pin 7 (TP)
V: 5 V/div. H: 500 μ S/div.



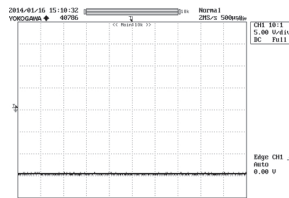
25 JA3901 - pin 1 (VBUS_A)
V: 2 V/div. H: 100 nS/div.



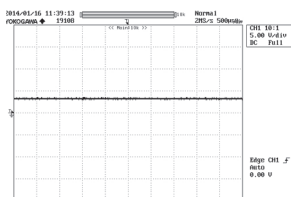
30 IC2001 - pin 9 (TP)(ADAT_MIC_ANA)
V: 5 V/div. H: 2 μ S/div.



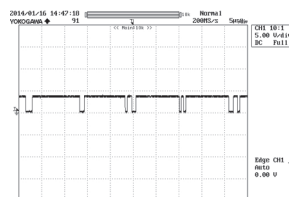
36 Q3605 - collector (TP)(MASTER_MUTE)
V: 5 V/div. H: 500 μ S/div.



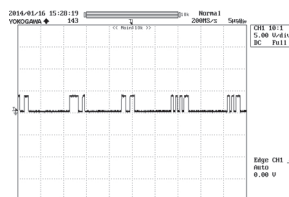
21 JP101 - pin 11 (TP)(CH3_ASEL_OUT)
(at LINE select)
V: 5 V/div. H: 500 μ S/div.



31 IC3601 - pin 2 (TP)(ADAT_MASTER)
V: 5 V/div. H: 5 μ S/div.

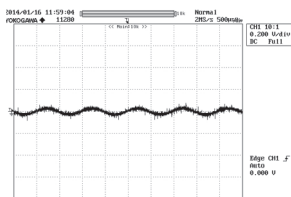


37 IC3802 - pin 3 (TP)(ADAT_HP)
V: 5 V/div. H: 5 μ S/div.

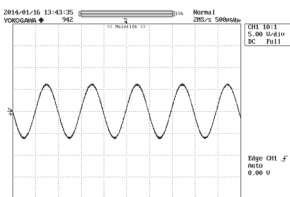


A MAIN ASSY

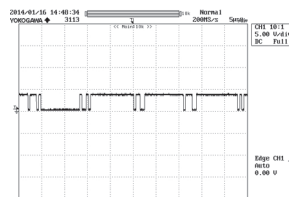
22 JA502 - pin 3 (TP)(MIC2)
V: 0.2 V/div. H: 500 μ S/div.



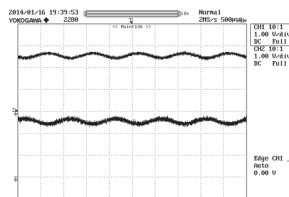
26 CN1011 - pin 9 (TP)(CH3_L)
(at LINE input)
V: 5 V/div. H: 500 μ S/div.



32 IC3606 - pin 3 (TP)(ADAT_BOOTH)
V: 5 V/div. H: 5 μ S/div.



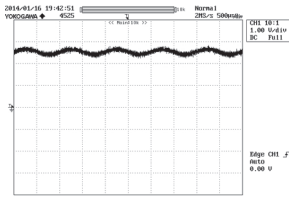
38 CN1021 - pin 9 (TP)(Master_L+)
V: 1 V/div. H: 500 μ S/div.
CN1021 - pin 10 (TP)(Master_L-)
V: 1 V/div. H: 500 μ S/div.



A

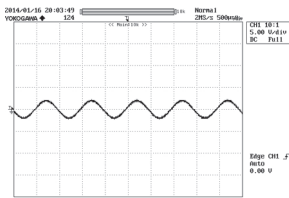
A MAIN ASSY

39 CN1021 - pin 14 (TP)(Booth_L)
V: 1 V/div. H: 500 μ S/div.



B

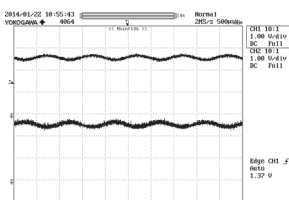
40 CN1031 - pin 5 (TP)(HP_L)
V: 5 V/div. H: 500 μ S/div.



C

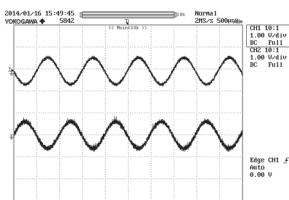
C AOJK ASSY

41 JP701 - pin 9 (TP)(MASTER_L+)
V: 1 V/div. H: 500 μ S/div.
JP701 - pin 10 (TP)(MASTER_L-)
V: 1 V/div. H: 500 μ S/div.



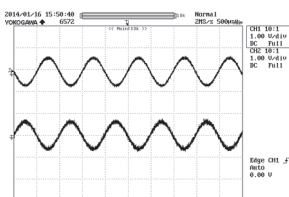
D

42 IC701 - pin 1 (TP)(L+)
V: 1 V/div. H: 500 μ S/div.
IC701 - pin 3 (TP)(L-)
V: 1 V/div. H: 500 μ S/div.



E

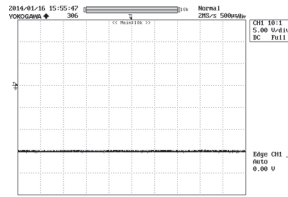
43 JA701 - pin 2 (TP)(L+)
V: 1 V/div. H: 500 μ S/div.
JA701 - pin 3 (TP)(L-)
V: 1 V/div. H: 500 μ S/div.



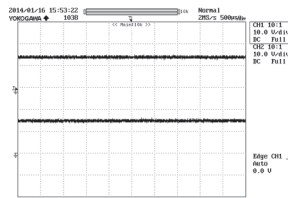
F

C AOJK ASSY

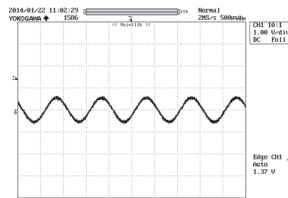
44 JP701 - pin 2 (TP)(MASTER_MUTE)
V: 5 V/div. H: 500 μ S/div.



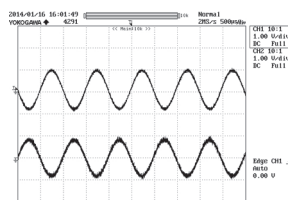
45 JP701 - pin 3 (TP)(ATT_SEL_3dB)
V: 10 V/div. H: 500 μ S/div.
JP701 - pin 4 (TP)(ATT_SEL_6dB)
V: 10 V/div. H: 500 μ S/div.



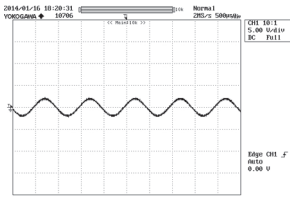
46 IC901 - pin 7 (TP)(BOOTH_L)
V: 1 V/div. H: 500 μ S/div.



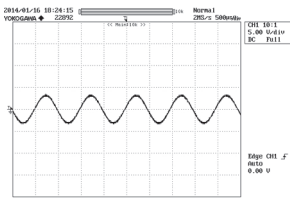
47 JA901 - pin 3 (TP)(BOOTH_L+)
V: 1 V/div. H: 500 μ S/div.
JA901 - pin 2 (TP)(BOOTH_L-)
V: 1 V/div. H: 500 μ S/div.

**D HPJK ASSY**

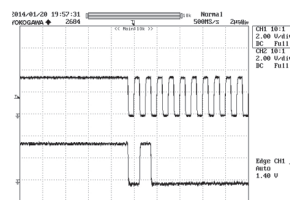
48 JP3901 - pin 5 (TP)(HP_LOUT)
V: 5 V/div. H: 500 μ S/div.



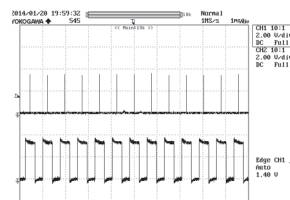
49 R3913 (TP)(HP_LOUT)
V: 5 V/div. H: 500 μ S/div.

**A MAIN ASSY**

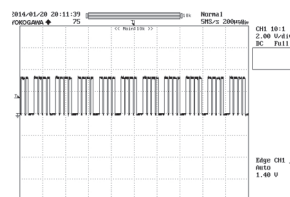
50 CN1601 - pin 5 (TP)(FL_SCK_L)
V: 2 V/div. H: 2 μ S/div.
CN1601 - pin 8 (TP)(FL_SI_L)
V: 2 V/div. H: 2 μ S/div.



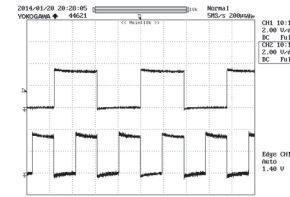
51 CN1601 - pin 6 (TP)(FL_LAT_L)
V: 2 V/div. H: 1 mS/div.
CN1601 - pin 7 (TP)(FL_BK_L)
V: 2 V/div. H: 1 mS/div.



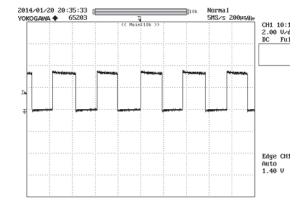
52 CN1131 - pin 7 (TP)(FL_LAT_L)
V: 2 V/div. H: 200 μ S/div.
(at All LED lit)

**A MAIN ASSY**

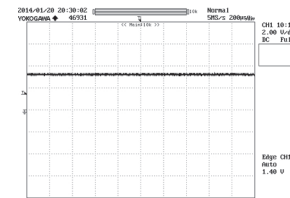
53 CN1131 - pin 13 (TP)(SH1_SEL1)
V: 2 V/div. H: 200 μ S/div.
CN1131 - pin 15 (TP)(SH1_SEL0)
V: 2 V/div. H: 200 μ S/div.



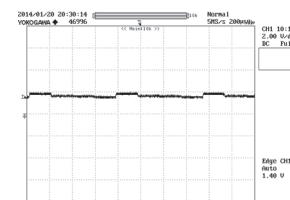
54 CN1131 - pin 17 (TP)(SH2_SEL)
V: 2 V/div. H: 200 μ S/div.



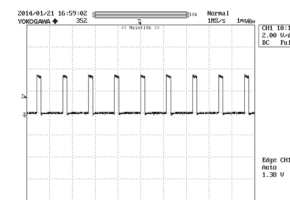
55 CN1131 - pin 22 (TP)(SH1_AD5)
V: 2 V/div. H: 200 μ S/div.



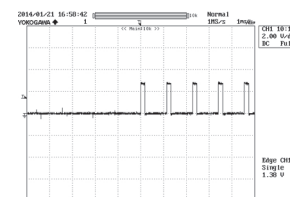
56 CN1131 - pin 23 (TP)(SH1_AD4 (CRFD))
V: 2 V/div. H: 200 μ S/div.



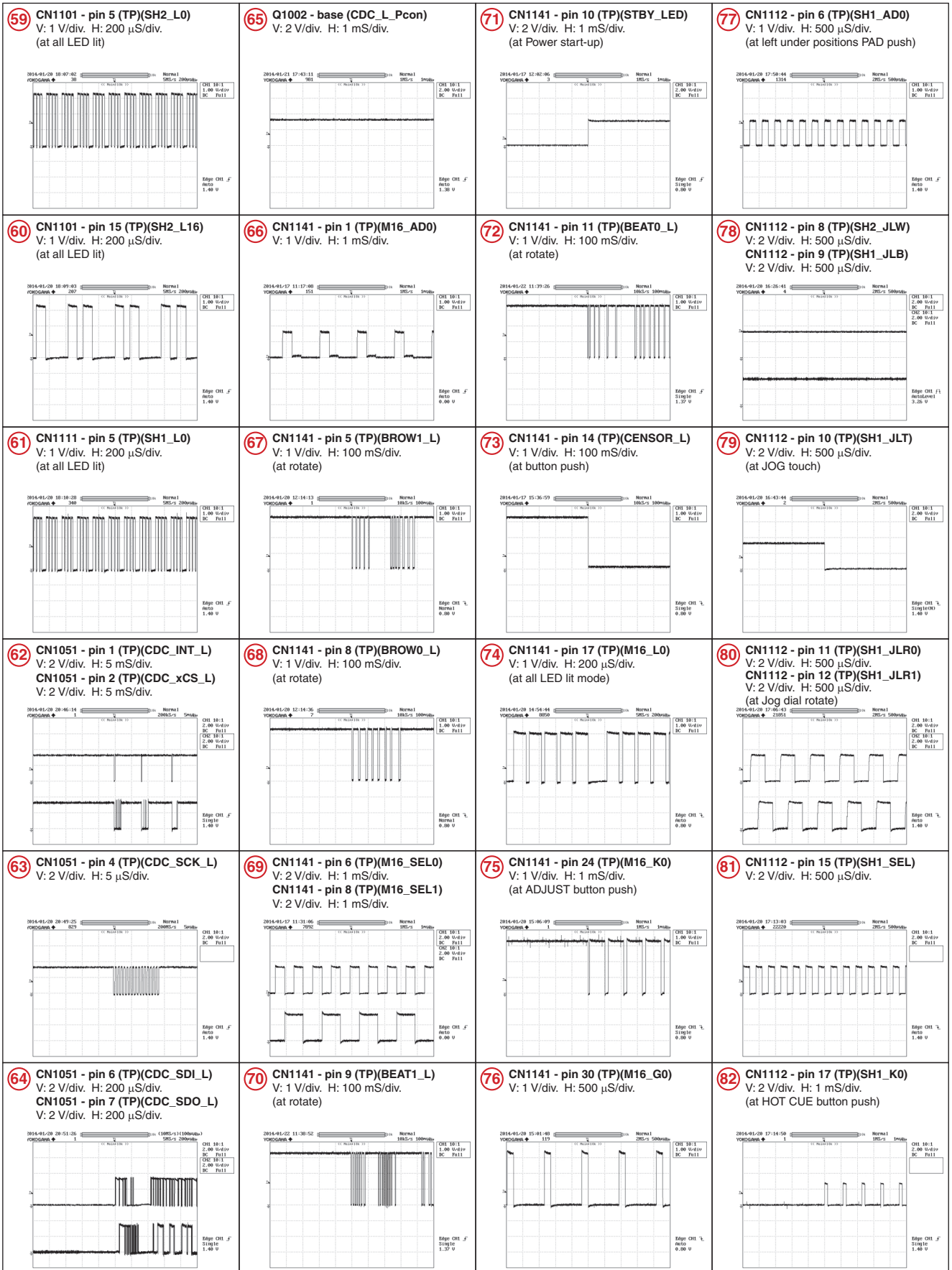
57 CN1102 - pin 23 (TP)(SH2_G0)
V: 2 V/div. H: 1 mS/div.



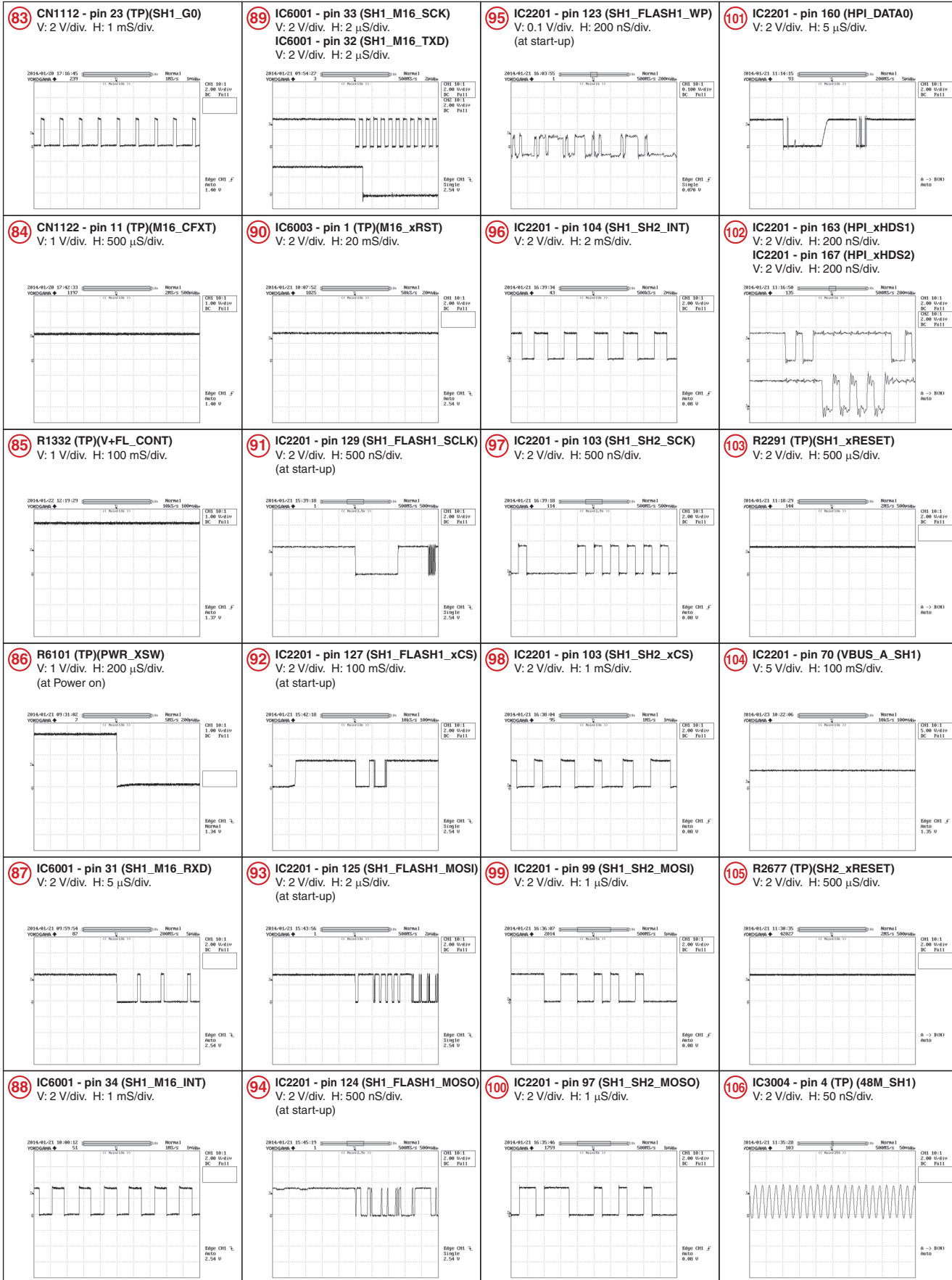
58 CN1102 - pin 17 (TP)(SH2_K0)
V: 2 V/div. H: 1 mS/div.
(at HOT CUE button push)



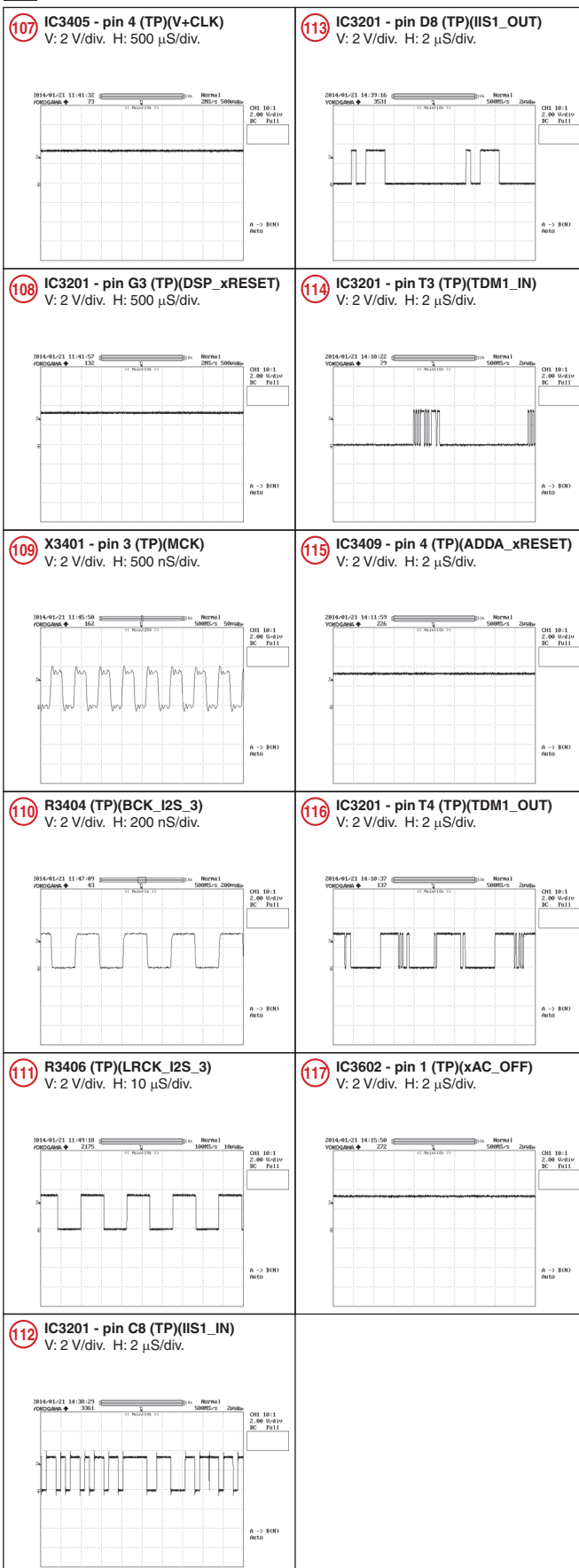
A MAIN ASSY



A MAIN ASSY



A MAIN ASSY



11.1 MAIN ASSY





F

SIDE B

A

B

C

D

E

F

A MAIN ASSY

Q1210

IC2604 Q1004 Q1003

IC2603

Q1002

Q1001

IC3003

IC2203

Q1208 Q1212 Q1213

Q1209

Q1204 Q1207 Q1206

Q1201

CN1001

CN1051

CN1141

CN1061

CN1112

CN1201

CN1111

CN1031

SIDE B(FIRST)

A

SIDE B

A

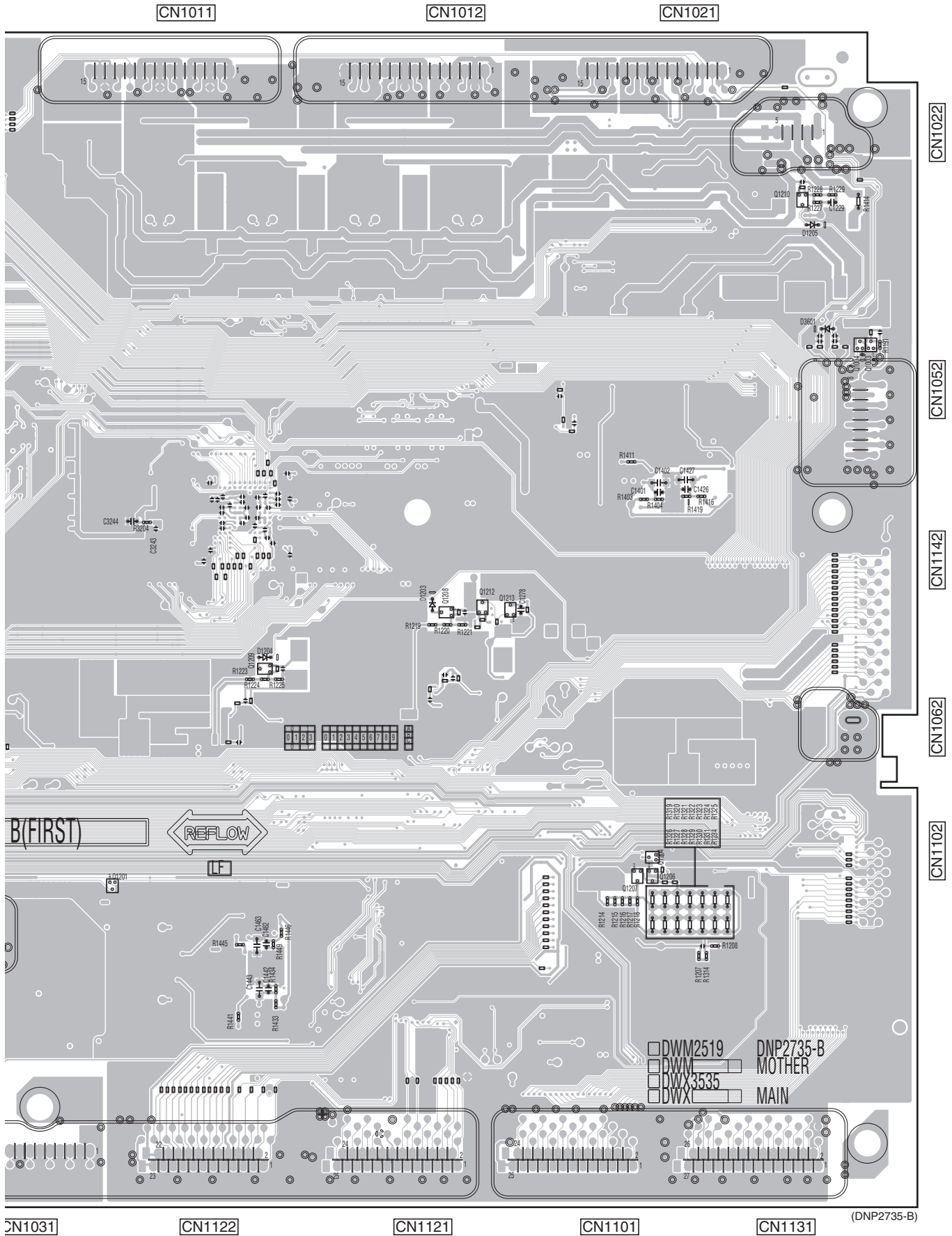
B

C

D

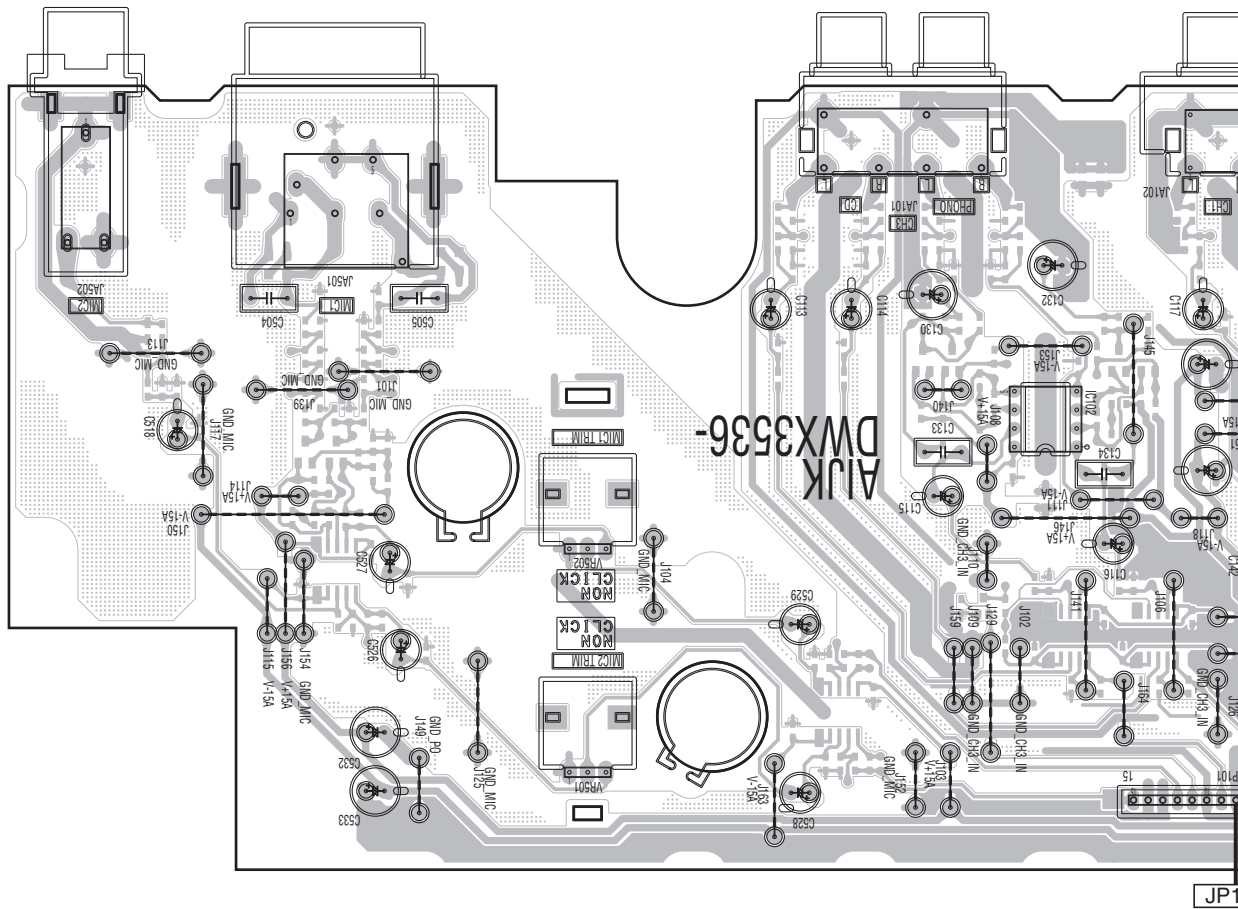
E

F

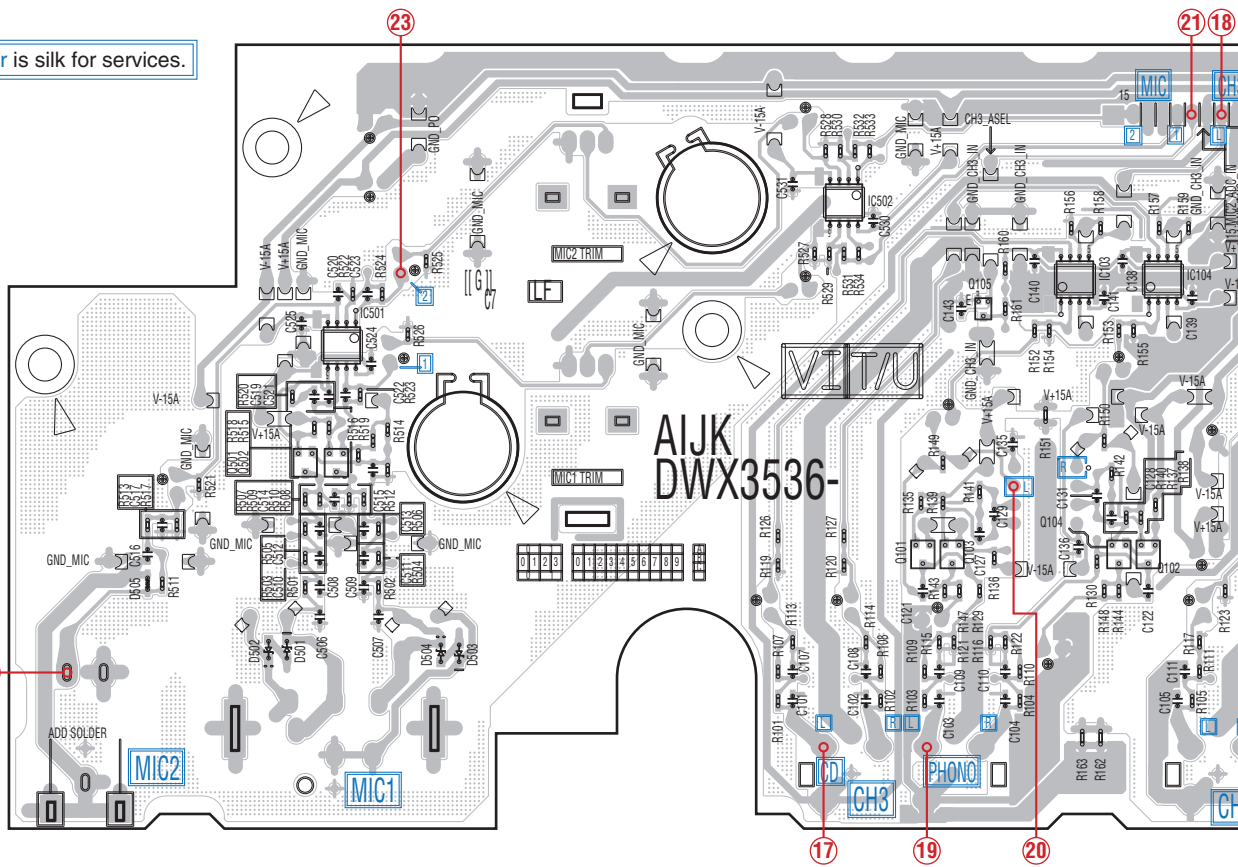


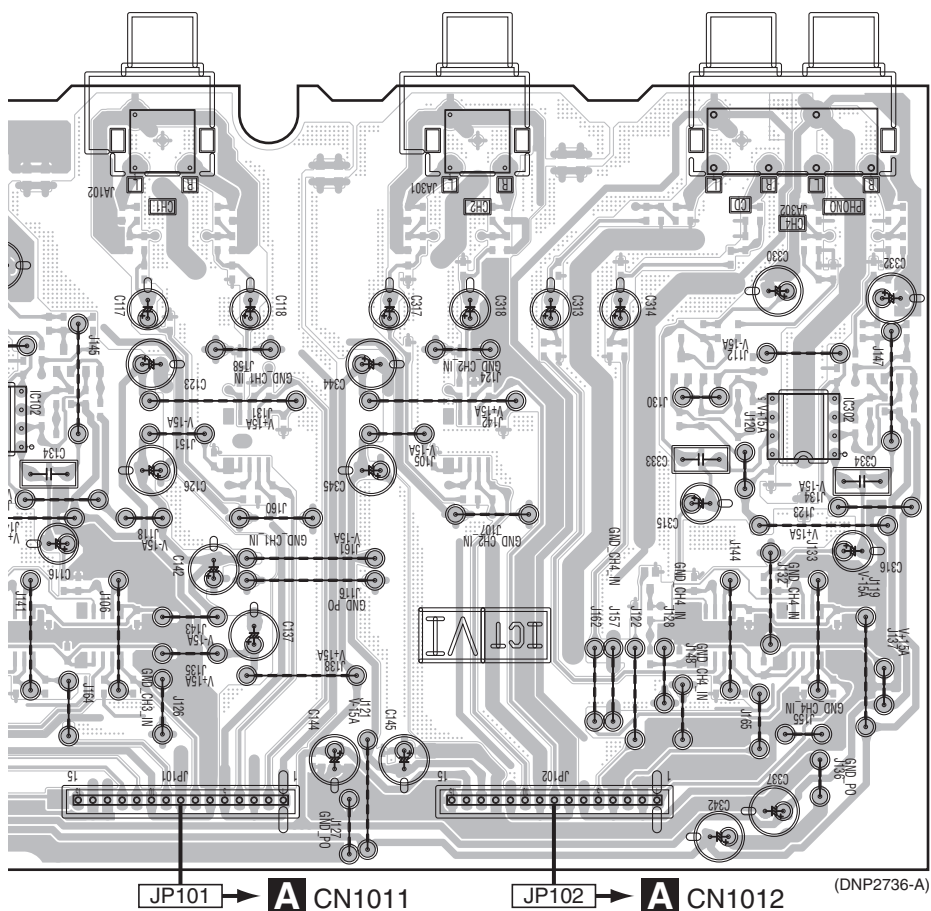
11.2 AIJK ASSY

SIDE A

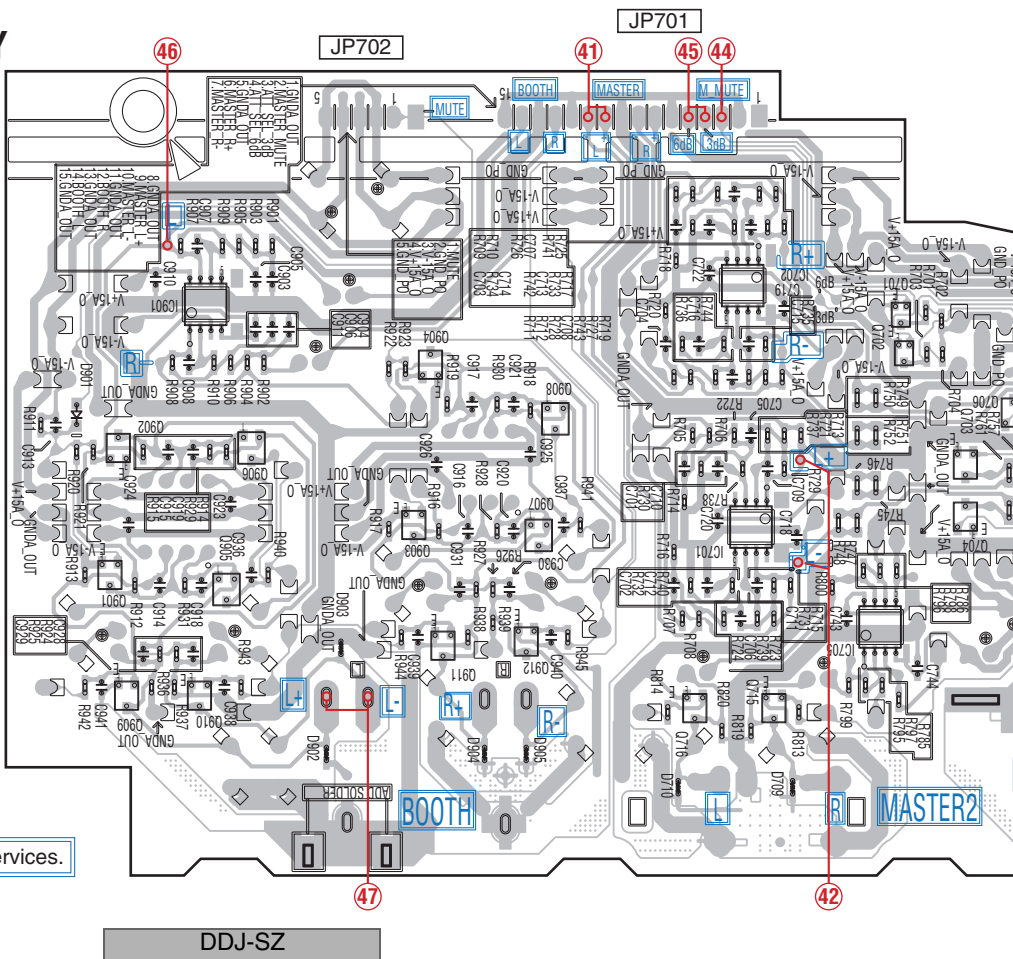


SIDE B





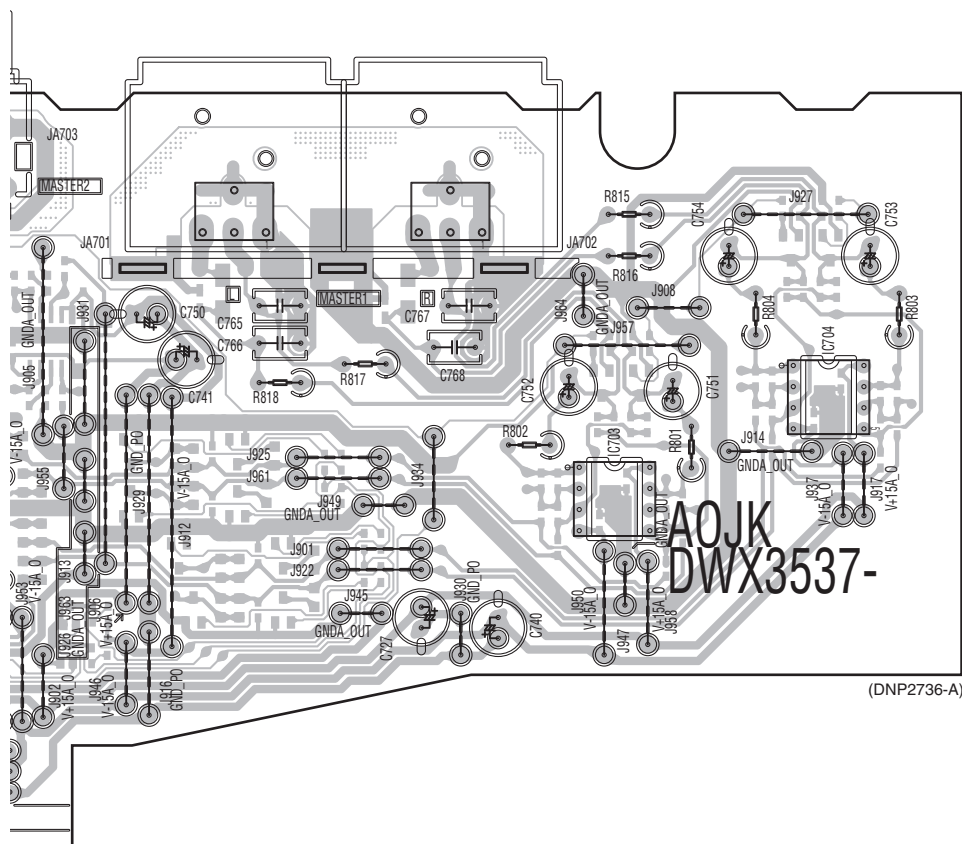
SIDE A

C AOJK ASSY**C AOJK ASSY**

The blue character is silk for services.

SIDE A

A



(DNP2736-A)

IC704

IC902

IC903 IC703

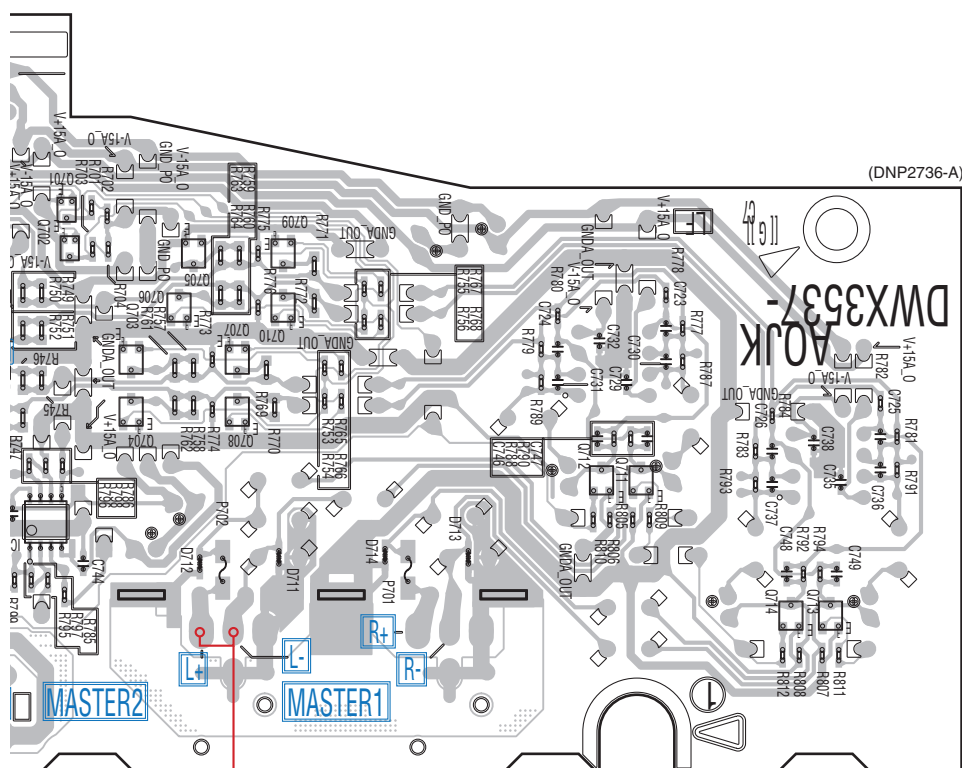
B

C

021

SIDE B

D



(DNP2736-A)

IC702

IC901	IC702
	Q701

Q904	Q702	Q705	Q709
------	------	------	------

Q908 Q706 Q710

Q902			
Q906	Q703	Q707	

Q903 IC701

9001

Q901

IC705

Q911	Q912
------	------

■■■■■

Q909	Q715
Q910	

F

C

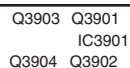
171

SIDE A

D HPJK ASSY



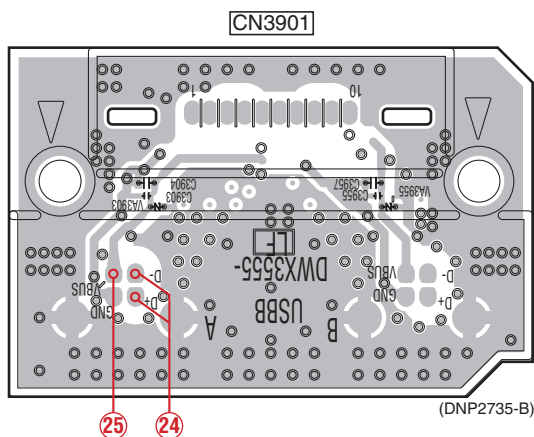
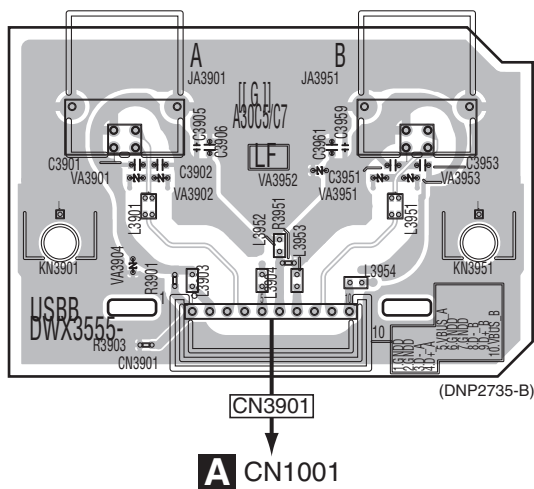
Q3907	Q3908
Q3905	Q3906

SIDE B**D** HPJK ASSY

DE

172

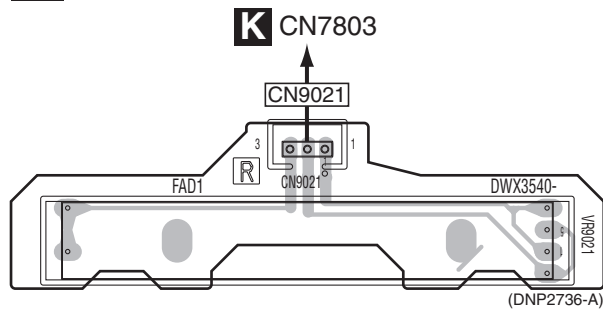
DDJ-SZ

USBB ASSY

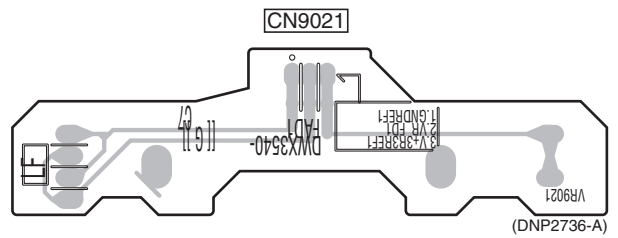
SIDE A

SIDE B

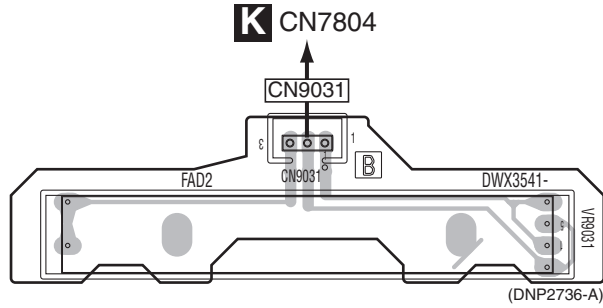
F FAD1 ASSY



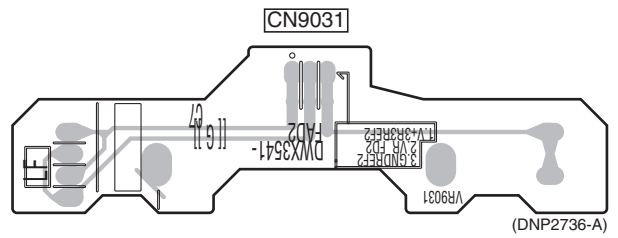
F FAD1 ASSY



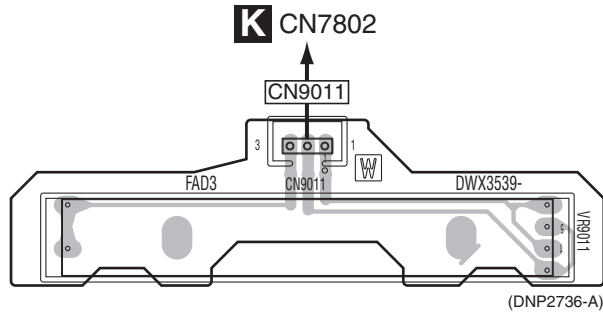
G FAD2 ASSY



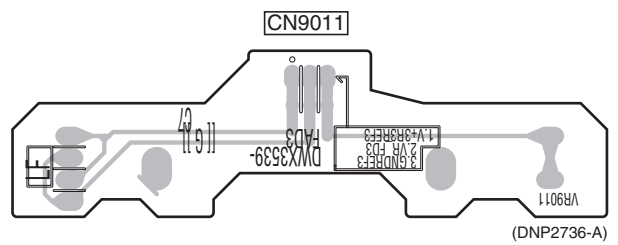
G FAD2 ASSY



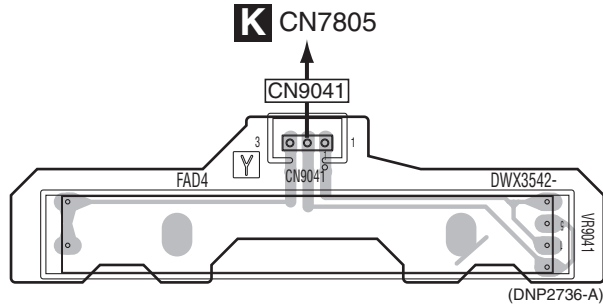
H FAD3 ASSY



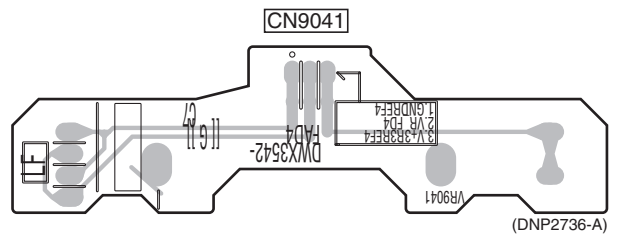
H FAD3 ASSY



I FAD4 ASSY

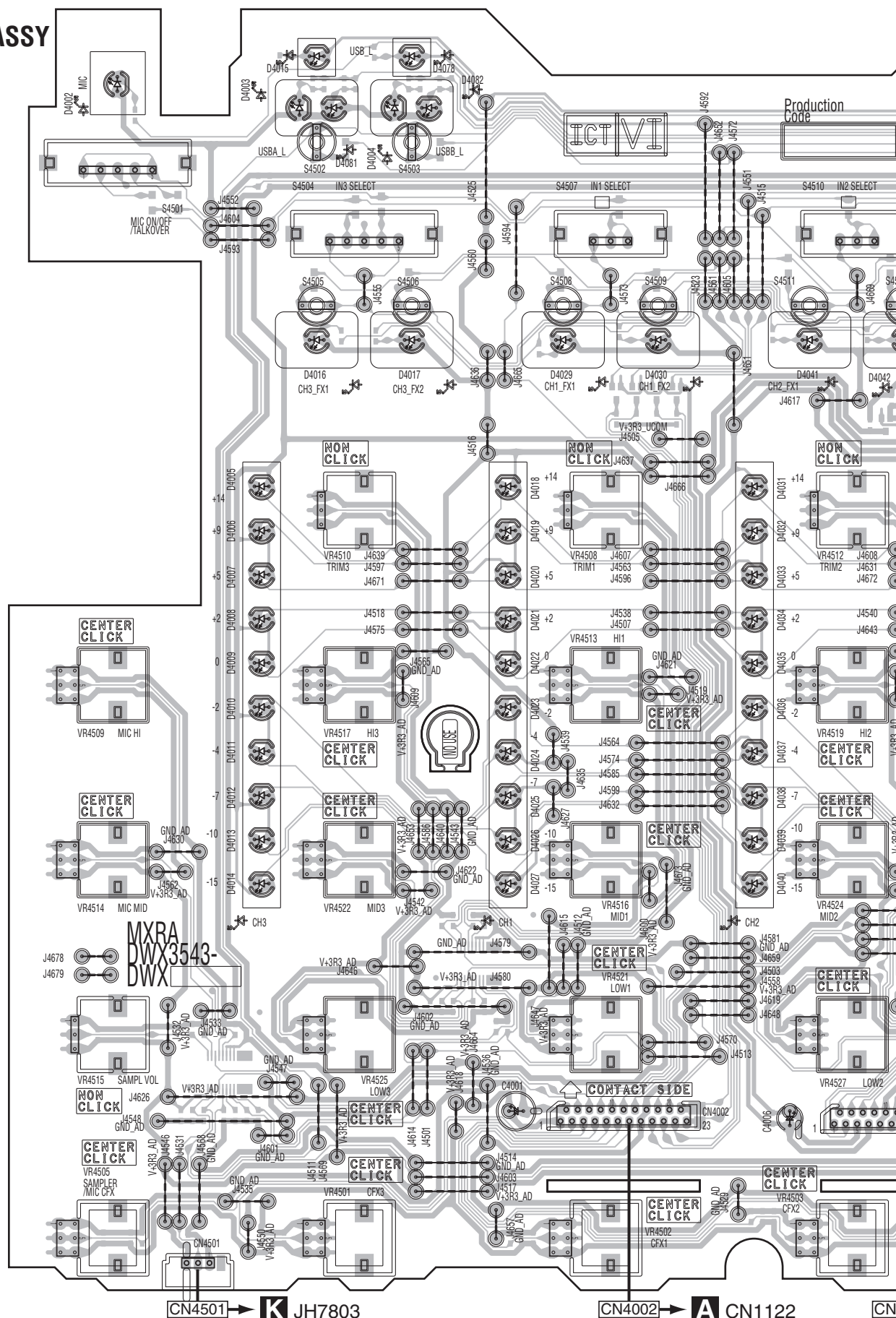


I FAD4 ASSY



F G H I

SIDE A

J MXRA ASSY

SIDE B

1 2 3 4

IC4504

Q4016-Q4022

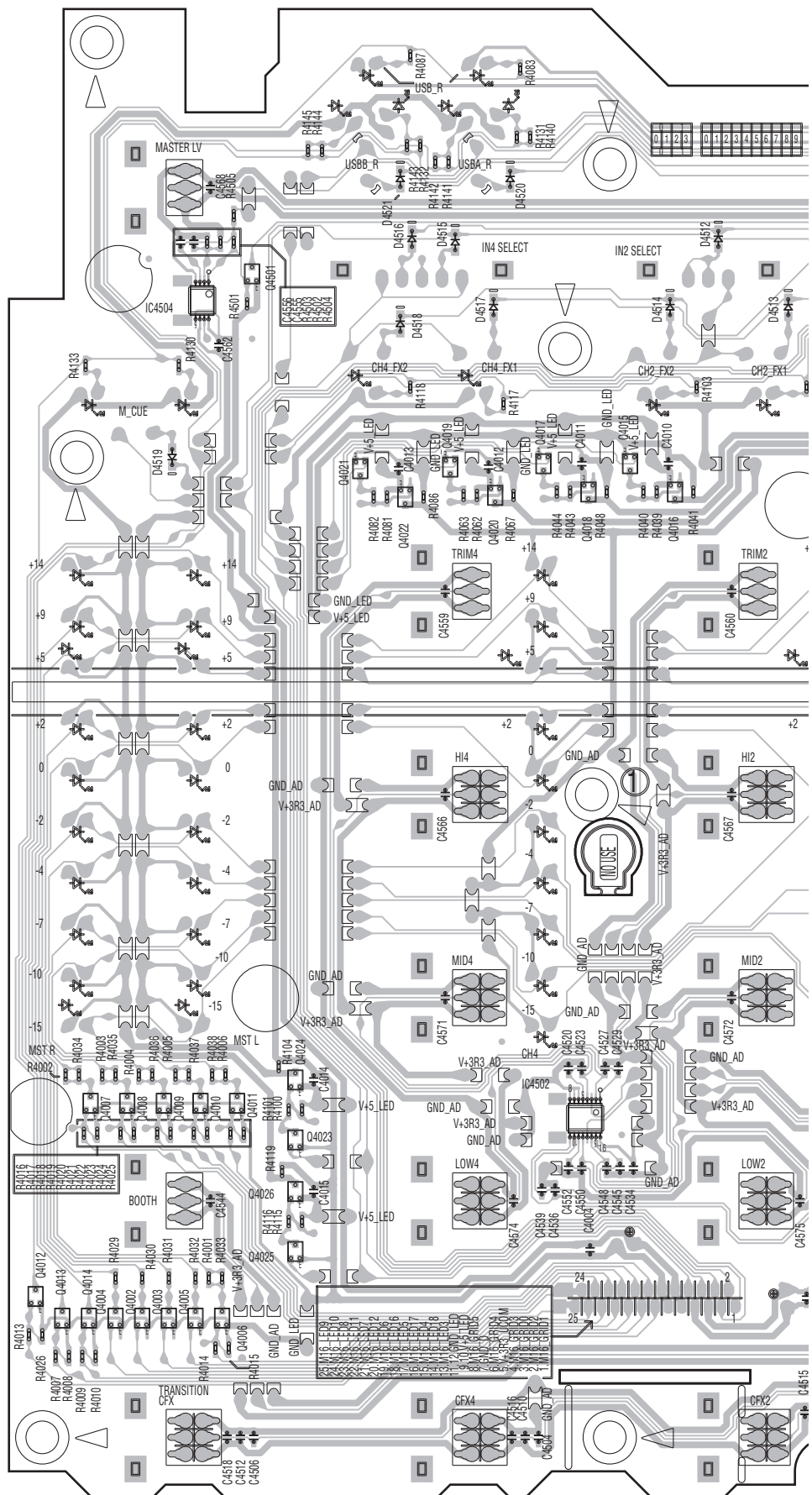
Q4502-Q4505

Q4007-Q4011
IC4502

IC4503

Q4012-Q4014
Q4002-Q4006

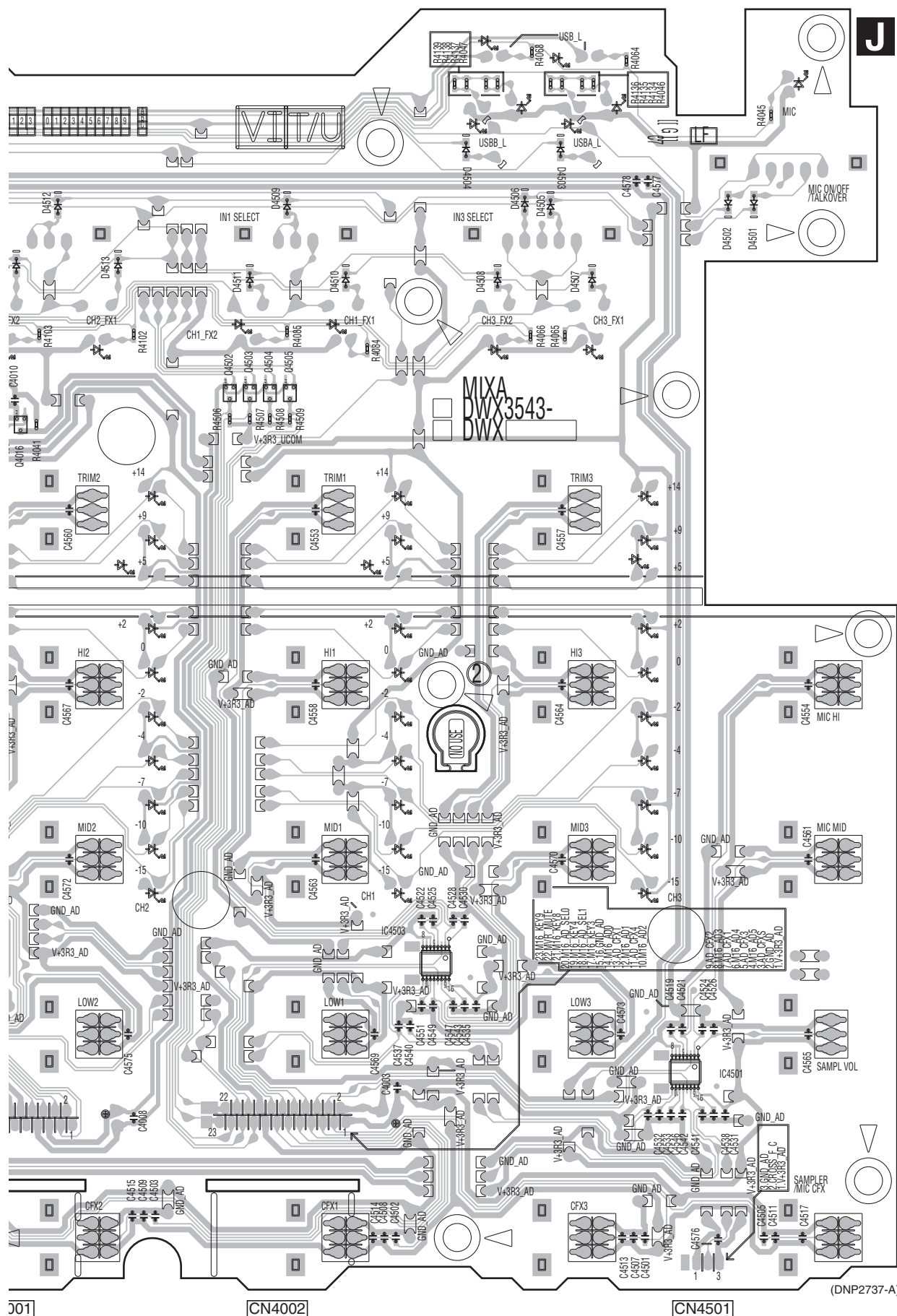
IC4501



1 2 3 4

SIDE B

J MXRA ASSY



(DNP2737-A)

001

CN4002

CN4501

DDJ-SZ

J

177

SIDE A

A

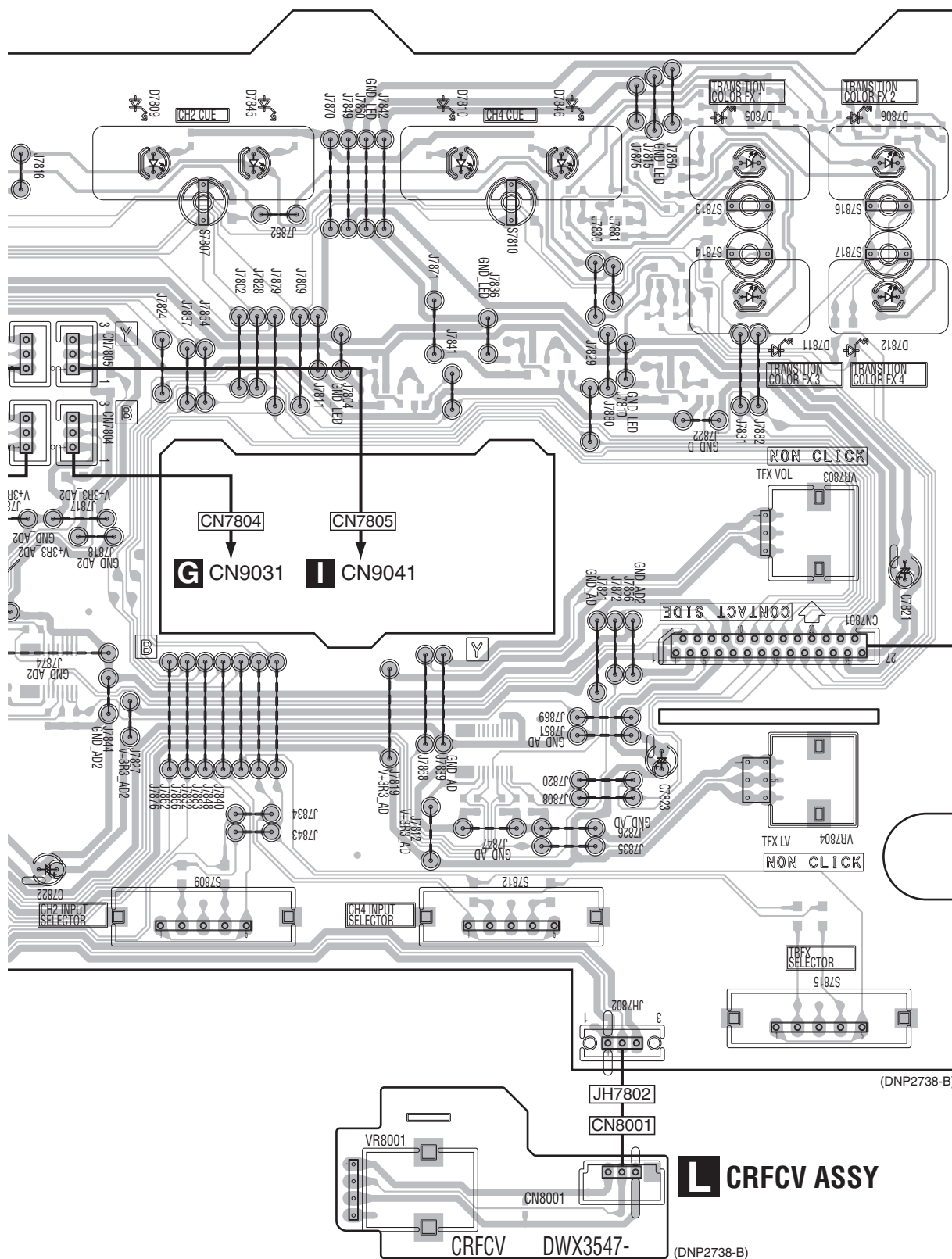
E

9

[

E

F



A CN1131

L CRFCV ASSY

CRFCV DWX3547-

(DNP2738-B)

DDJ-SZ

K

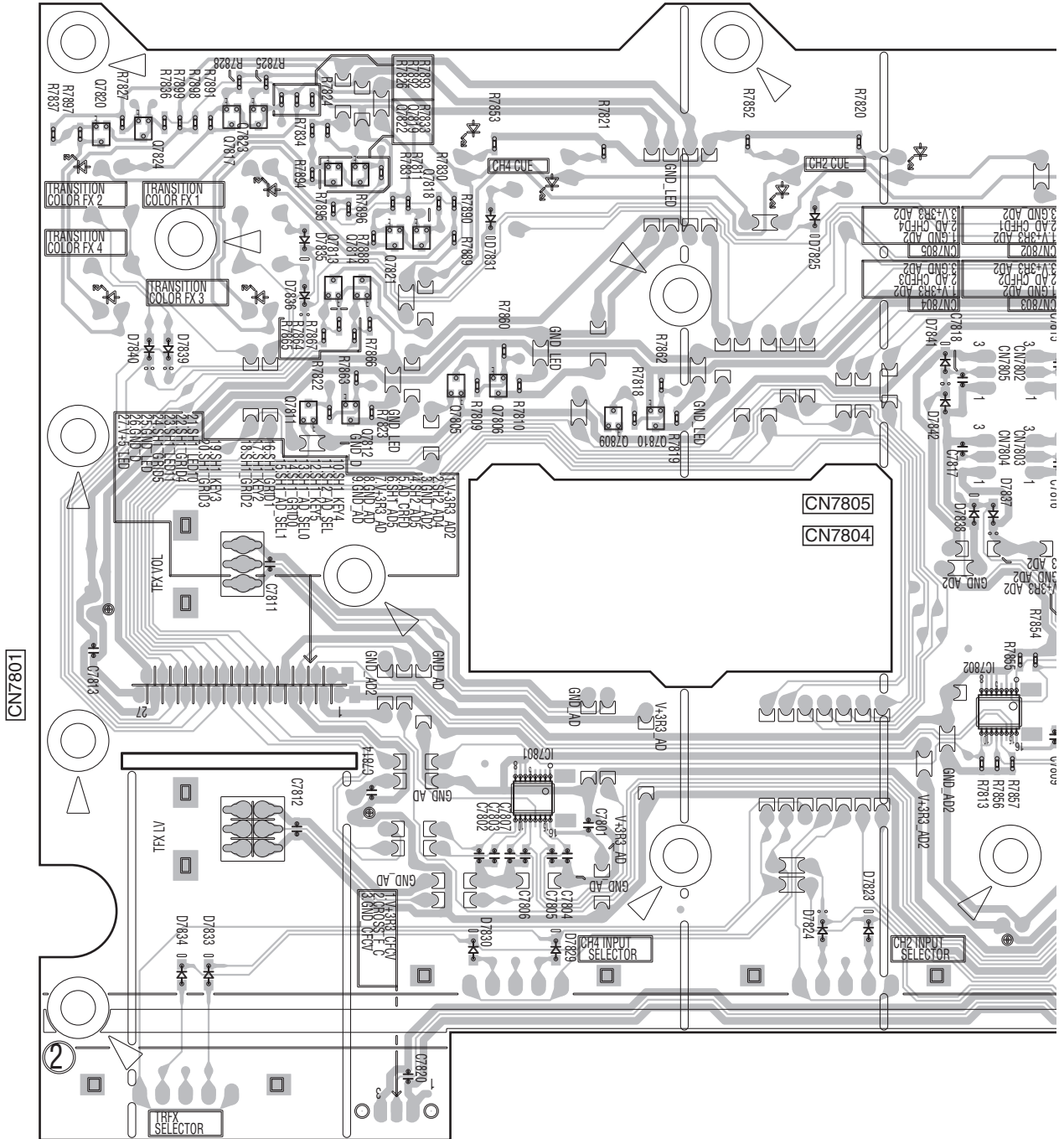
L

SIDE B

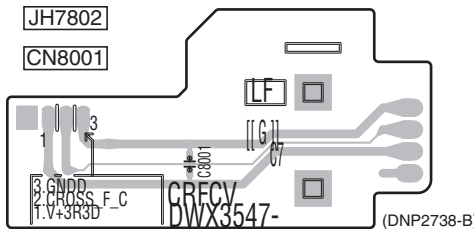
Q7820 Q7824 Q7817 Q7823 Q7822 Q7819
Q7821 Q7818
Q7813 Q7814
Q7811 Q7812

IC7801 Q7809 Q7810

IC7802



CRFCV ASSY



DDJ-SZ

K L

180

IC7802

Q7803

Q7804

Q7801

Q7802

Q7807

Q7808

Q7828 Q7827

Q7831 Q7832

Q7829 Q7830

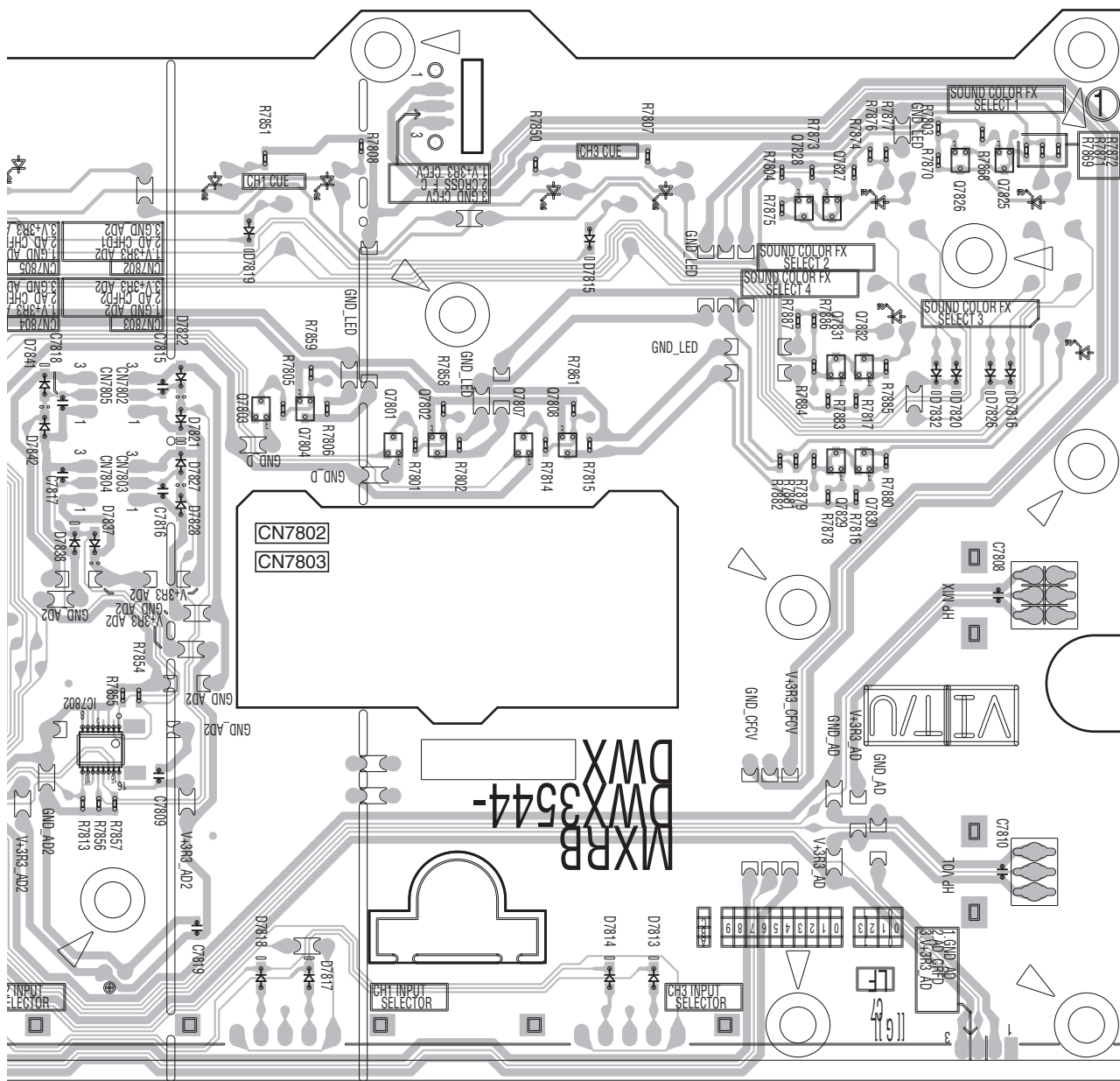
Q7826

Q7825

SIDE B

K MXRB ASSY

JH7803

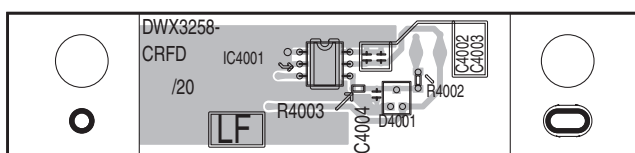


JH7801

(DNP2738-B)

CN4001

AI CRFD ASSY



(DNP2645-A)

DDJ-SZ

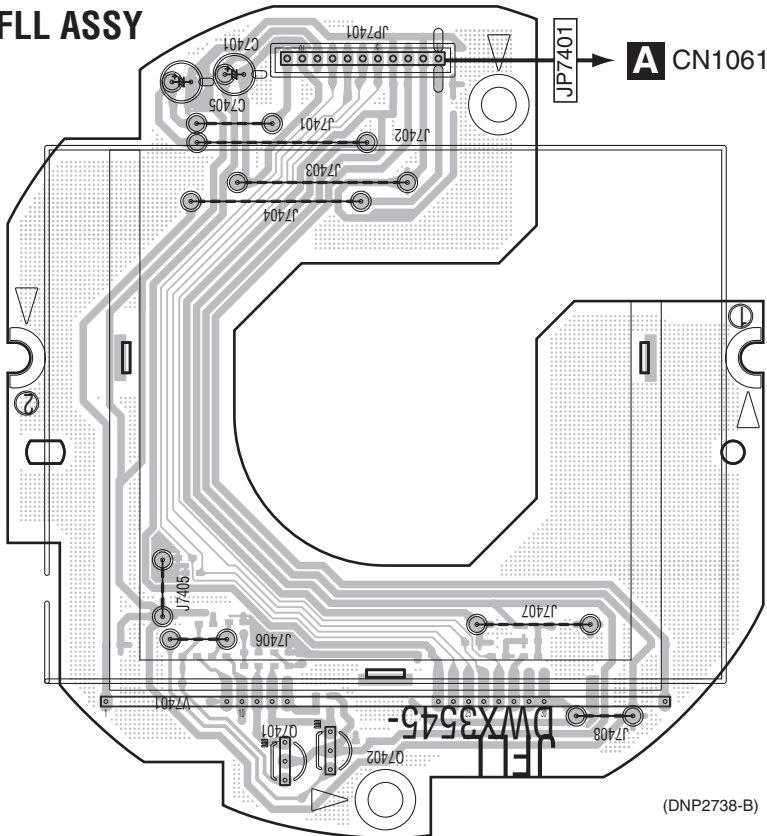
K **AI**

11.8 JFLL ASSY

SIDE A

SIDE A

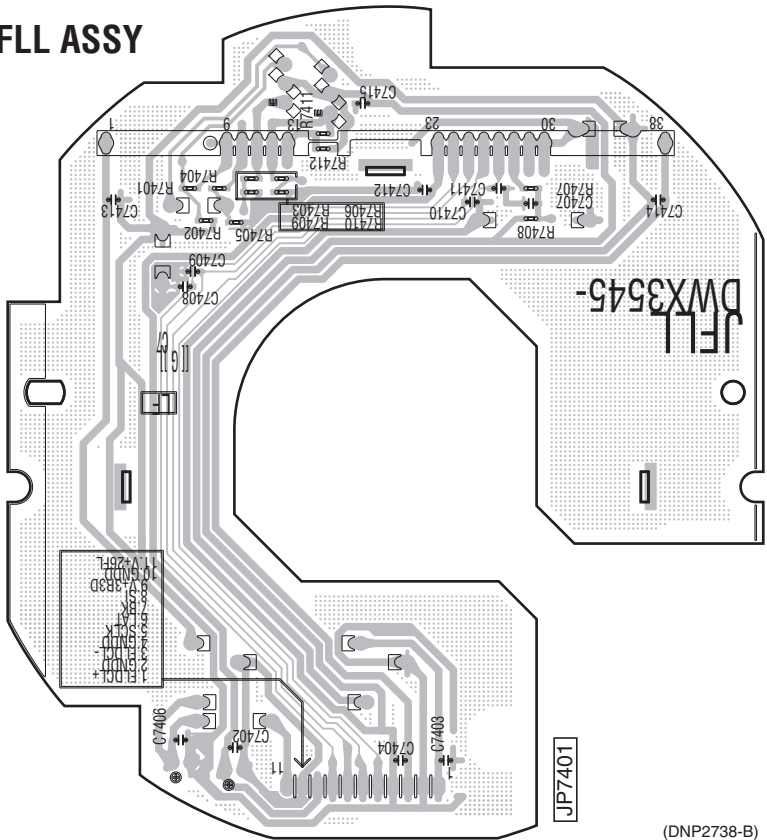
M JFLL ASSY



SIDE B

SIDE B

M JFLL ASSY

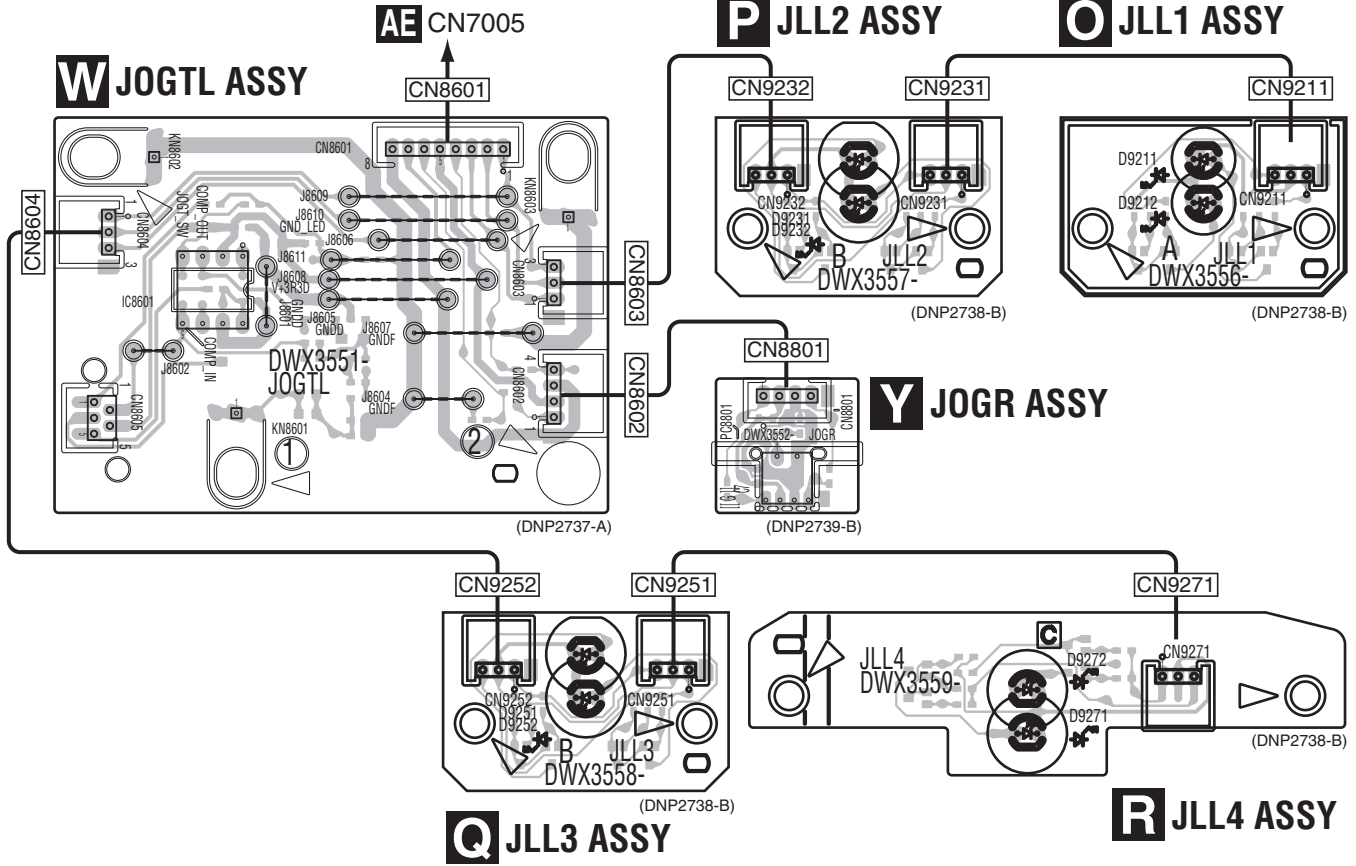


M

11.10 JLL1 to JLL4, JOGTL and JOGR ASSYS

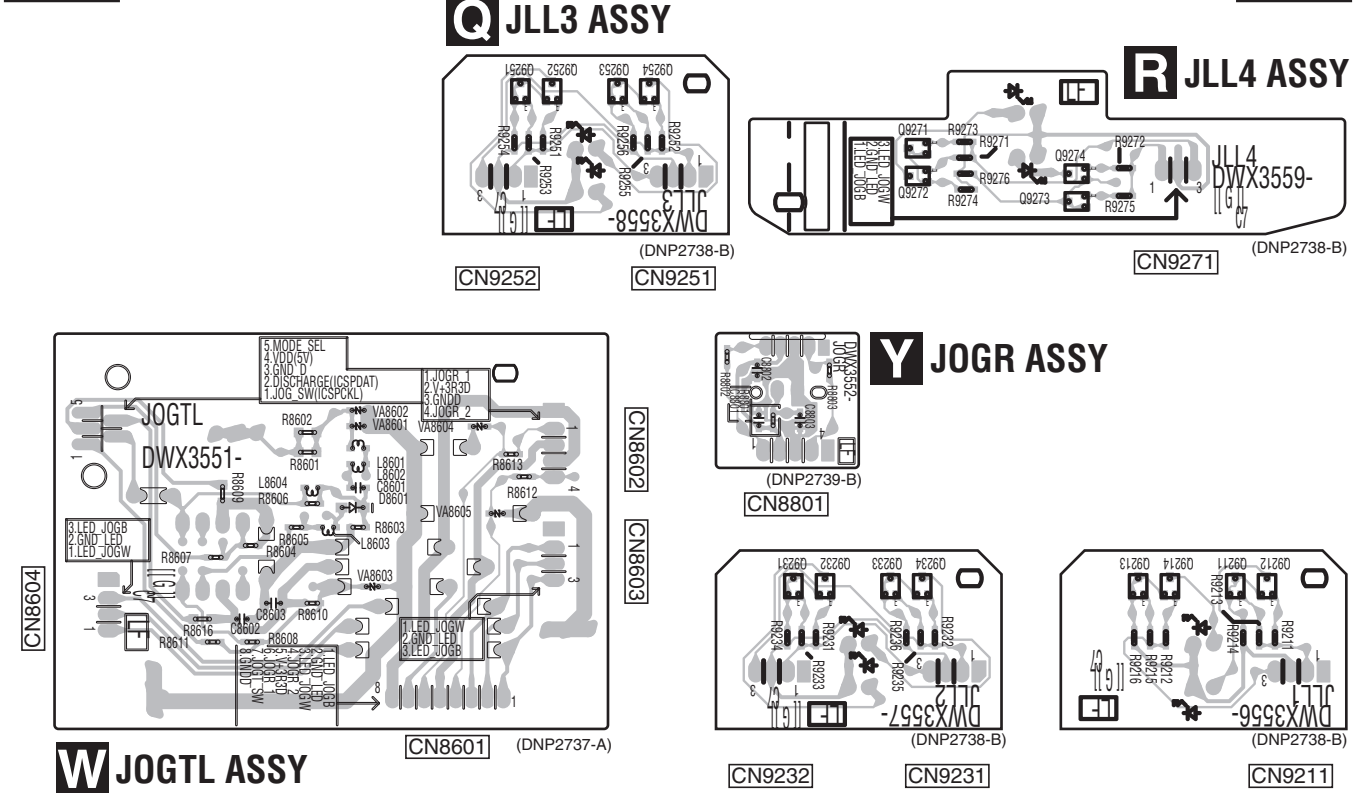
SIDE A

SIDE A



SIDE B

SIDE B



O P Q R W Y

P JLL2 ASSY O JLL1 ASSY

SIDE A



1

2

3

4

SIDE B

A

IC6004

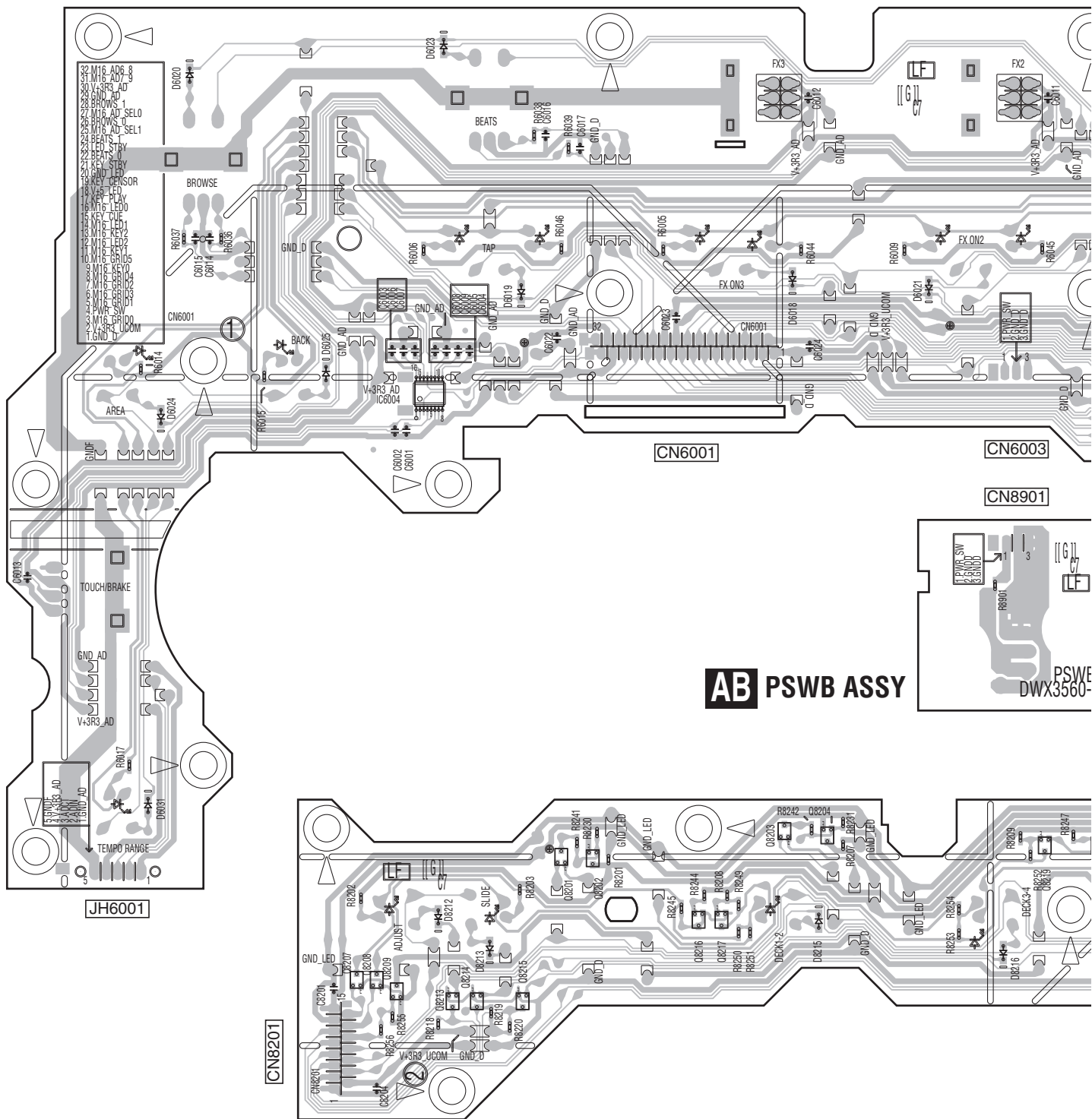
B

C

D

E

F



Q8201 Q8202

Q8203 Q8204

Q8219

Q8027-Q8029

Q8213-Q8215

Q8216 Q8217

Z AA AB AC

1

2

3

4

SIDE B

A

Q6013-Q6015 Q6010-Q6012

Q6004	Q6003	
Q6008	Q6007	
Q6006	Q6005	Q6009

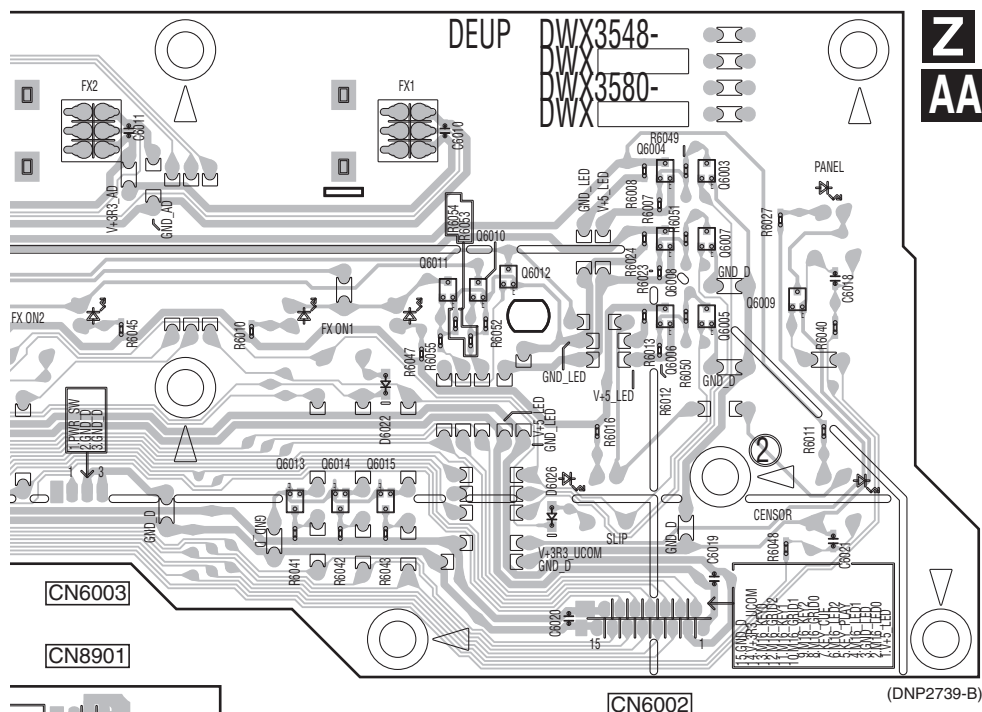
B

C

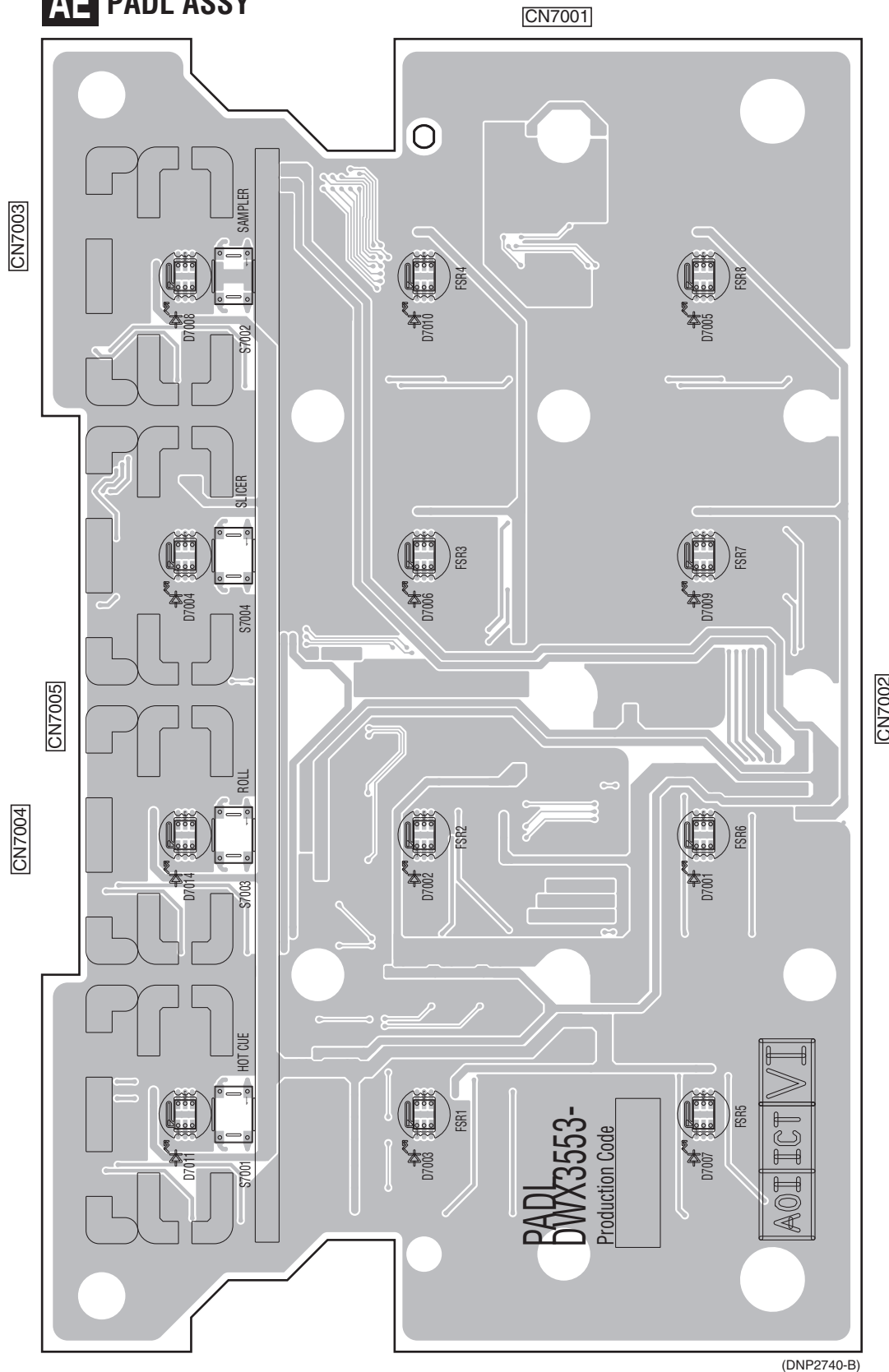
D

F

F



AE PADL ASSY

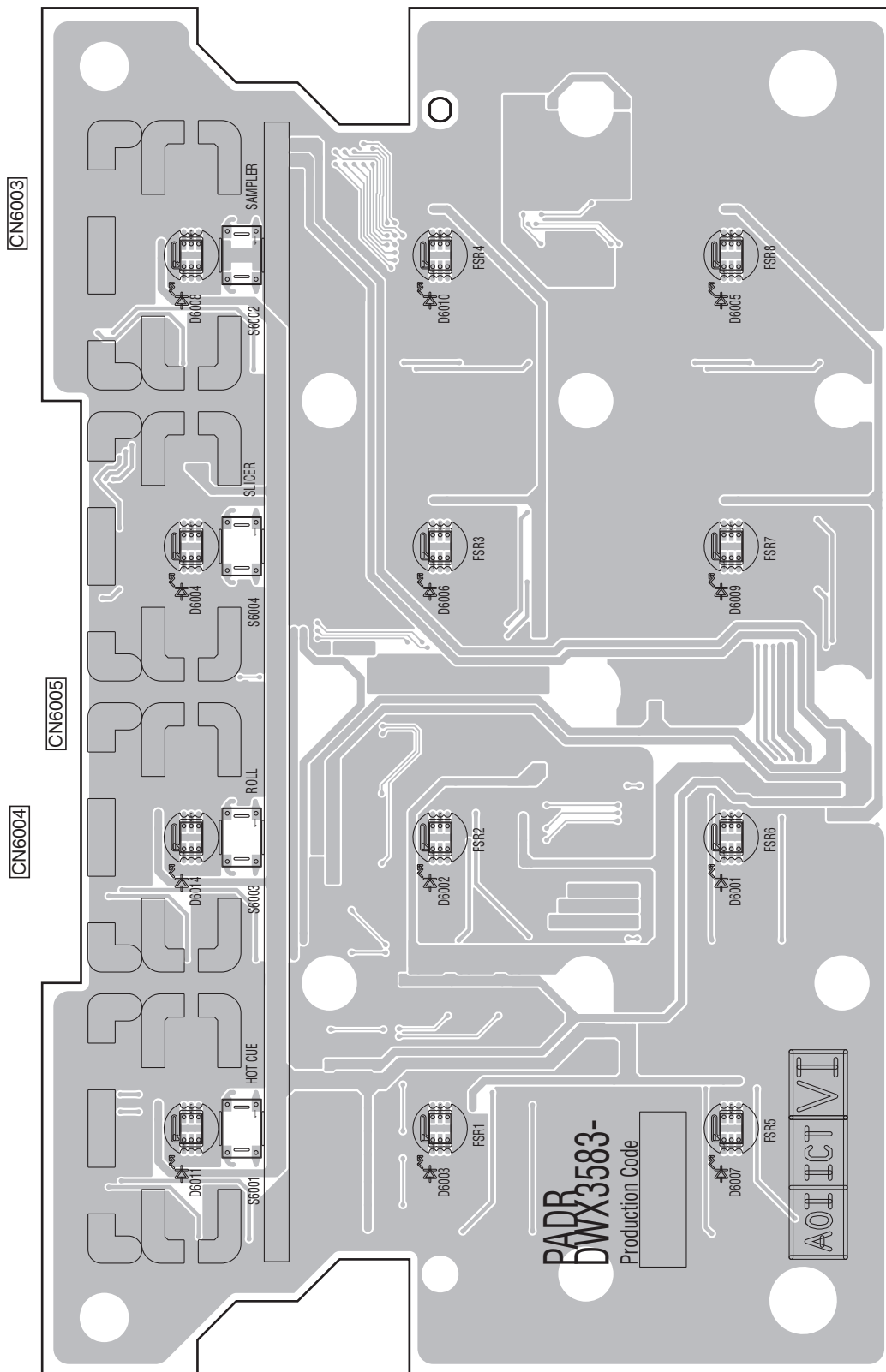


(DNP2740-B)

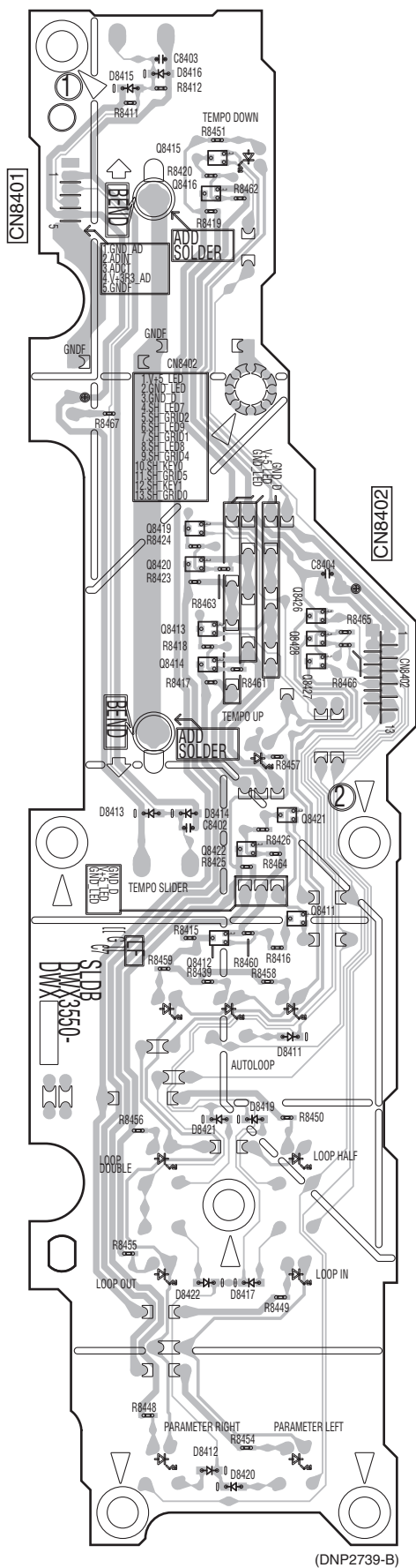
F



191



(DNP2740-B)



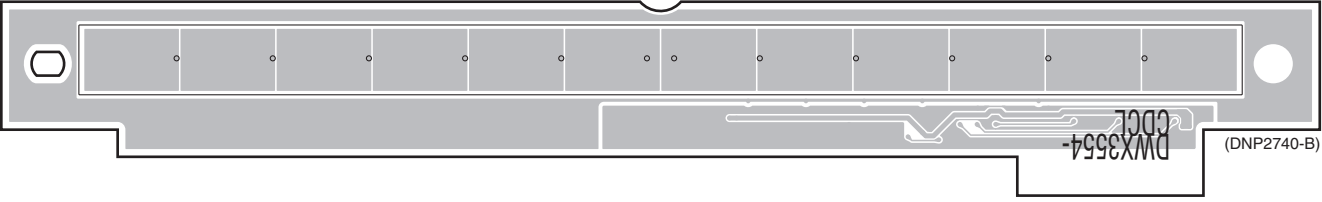
DDJ-SZ

SIDE A

SIDE A

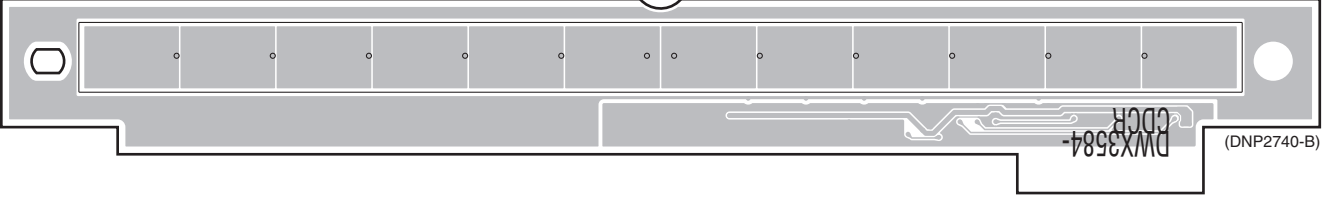
AG

CDCL ASSY



AH

CDCR ASSY

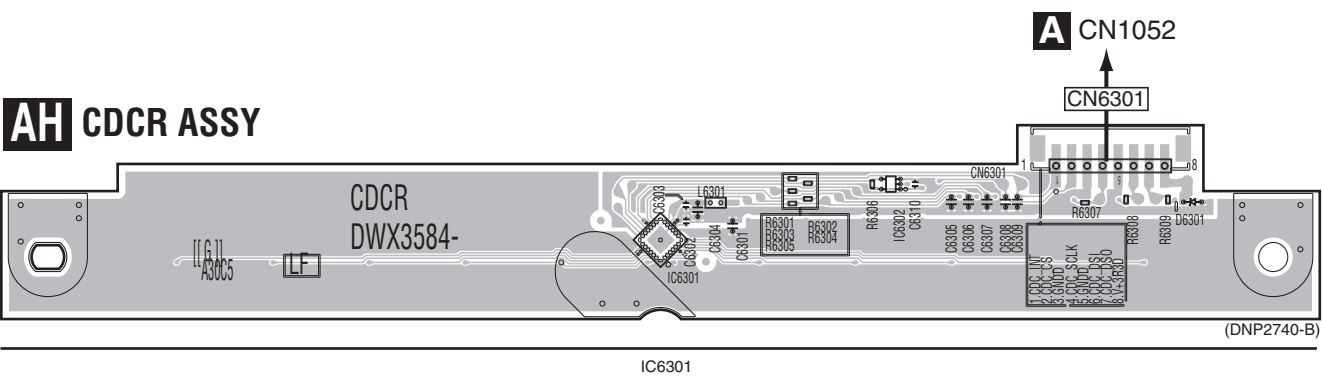


SIDE B

SIDE B

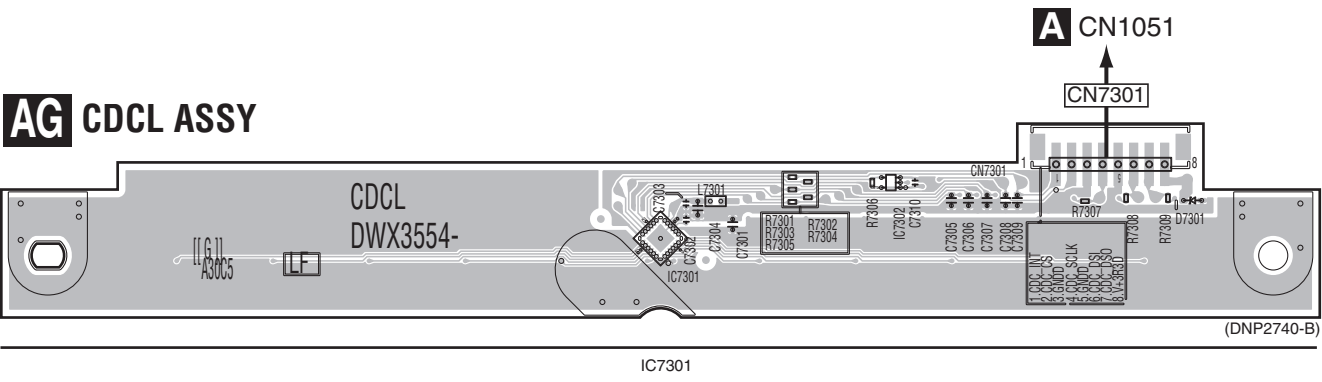
AH

CDCR ASSY



AG

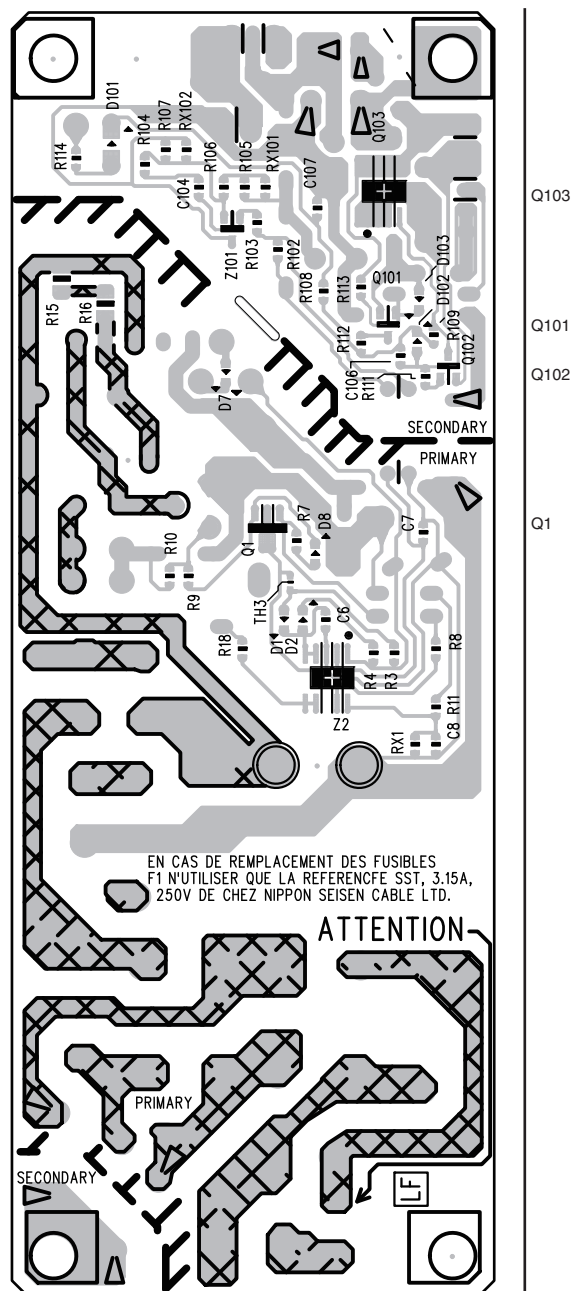
CDCL ASSY



SIDE A

SIDE B

AJ POWER SUPPLY ASSY



12. PCB PARTS LIST

- NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare 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.
 ● 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 $\rightarrow$ 56 $\times 10^1$ $\rightarrow$ 561 RD1/APU 5 6 1 J
 47 k Ω $\rightarrow$ 47 $\times 10^3$ $\rightarrow$ 473 RD1/APU 4 7 3 J
 0.5 Ω $\rightarrow$ R50 RN2H R 5 0 K
 1 Ω $\rightarrow$ 1R0 RSIP 1 R 0 K

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

5.62 k Ω $\rightarrow$ 562 $\times 10^1$ $\rightarrow$ 5621 RN1/4PC 5 6 2 1 F

In this manual, the same reference numbers are allotted to the electrical parts of the Assys indicated below.
 Be sure to confirm the Assy name, as well as the reference number.

ASSY names:

MAIN (DWX3535) - DEUP (DWX3548) - PADR (DWX3583)
 USBB (DWX3555) - HPJK (DWX3538)

Overlapped numbers

6,000s
 3,900s

Mark	No.	Description	Part No.
------	-----	-------------	----------

LIST OF ASSEMBLIES

NSP	1..MOTHER ASSY	DWM2519
	2..MAIN ASSY	DWX3535
	2..USBB ASSY	DWX3555
NSP	1..JACK ASSY	DWM2520
	2..AIJK ASSY	DWX3536
	2..AOJK ASSY	DWX3537
	2..HPJK ASSY	DWX3538
	2..FAD3 ASSY	DWX3539
	2..FAD1 ASSY	DWX3540
	2..FAD2 ASSY	DWX3541
	2..FAD4 ASSY	DWX3542
	1..SUB ASSY	DWM2521
	2..MXRB ASSY	DWX3544
NSP	2..JFLL ASSY	DWX3545
	2..JFLR ASSY	DWX3546
	2..CRFCV ASSY	DWX3547
	2..JLL1 ASSY	DWX3556
	2..JLL2 ASSY	DWX3557
	2..JLL3 ASSY	DWX3558
	2..JLL4 ASSY	DWX3559
	2..JLR1 ASSY	DWX3561
	2..JLR2 ASSY	DWX3562
	2..JLR3 ASSY	DWX3563
NSP	2..JLR4 ASSY	DWX3564
	1..MIXER ASSY	DWM2524
	2..MXRA ASSY	DWX3543
	2..JOGTL ASSY	DWX3551
	2..PSWB ASSY	DWX3560
NSP	2..JOGTR ASSY	DWX3565
	1..DECK ASSY	DWM2522
	2..DEUP ASSY	DWX3548
	2..KSWB ASSY	DWX3549
	2..SLDB ASSY	DWX3550
NSP	2..JOGR ASSY	DWX3552
	1..DECKR ASSY	DWM2529
	2..KSWB ASSY	DWX3549
	2..SLDB ASSY	DWX3550
	2..JOGR ASSY	DWX3552

Mark	No.	Description	Part No.
------	-----	-------------	----------

	2..DEUPR ASSY	DWX3580
NSP	1..PACD ASSY	DWM2523
	2..PADL ASSY	DWX3553
	2..CDCL ASSY	DWX3554
	2..PADR ASSY	DWX3583
	2..CDCR ASSY	DWX3584
NSP	1..CROSS FADER ASSY	DXA2257
	2..CRFD ASSY	DWX3258
Δ	1..POWER SUPPLY ASSY	DWR1463

Mark	No.	Description	Part No.
------	-----	-------------	----------

A MIAN ASSY			
SEMICONDUCTORS			
Δ	IC 1201,1406,3405	NJM2831F33	
Δ	IC 1202	NJM2392M	
Δ	IC 1203,1205	BD9328EFJ	
Δ	IC 1204	BD9329EFJ	
Δ	IC 1206	NJM2886DL3-33	
Δ	IC 1401	NJM78M15DL1A	
Δ	IC 1402	NJM79M15DL1A	
Δ	IC 1403,1405	BD9851EFV	
Δ	IC 1404	NJM7805DL1A	
	IC 1601,1602,1801,1802	NJM4580MD	
	IC 1603,1604,1803,1804	PCM1803ADB	
	IC 2001	AK5358AET	
	IC 2201,2601	R5S72670P144FP	
	IC 2202	TC7SH04FUS1	
	IC 2603,2604,3004	TC7SH08FUS1	
	IC 3001	DYW1845	
	IC 3002	TC7SHU04FUS1	
	IC 3201	D810K013DZKB400	
	IC 3202	M12L128168A-5TG2N	
	IC 3401-3403	TC74VHC08FK	
	IC 3406-3409	TC7SG08FU	

Mark No. Description**Part No.****Mark No. Description****Part No.**

IC 3601 WM8740SEDS
 IC 3602,6003 S-80930CNMC-G80
 IC 3606,3802 AK4387ET
 IC 3801 NJM4580MD

IC 6001 DYW1844
 Q 1001,1003 LTA024EEB
 Q 1002,1004,1201,1204 LTC024EEB
 Q 1205 2SA1577
 Q 1206,1212,1213,3601 LSCR523UB

Q 1207 2SC4097
 Q 1208-1210,1214,1216 LSAR523UB
 Q 1211 LTC114YUB
 Q 1215,1217 2SC5712
 Q 1401 RSR020P05

Q 1402 RTQ045N03
 Q 1403,1404 RSQ030P03
 Q 2602,2603,3603 LTC024EEB
 Q 3602 LSCR523UB
 Q 3604,3605 LSAR523UB

Q 3809 RT1N431M
 D 1202 RB160L-40
 D 1203-1205,3601 DA2J101
 D 1401,1406,1407,1409 DB2J41100
 D 1404,1405,1408 RB501VM-40

D 1410 DB2J41100
 D 2001,2002 DAN217UM

RESISTORS

R 1186,1187,2322,2707 RS1/8SQ0R0J
 R 1202,1203 RS1/4SA1R0J
 R 1207 RS1/10SR2702D
 R 1208 RS1/10SR1501D
 R 1211,1448 RS1/10SR103J

R 1214-1218 RS1/10SR272J
 R 1219,1227,1402,1406 RS1/10SR1002D
 R 1220,1455 RS1/10SR3001D
 R 1221,1225 RS1/10SR6801D
 R 1223,1403,1416,1433 RS1/10SR3002D

R 1224,1401,1410,1430 RS1/10SR1502D
 R 1228 RS1/10SR1801D
 R 1229 RS1/10SR2001D
 R 1234,1319-1331 RS1/4SA112J
 R 1235,1289,1413,1414 RS1/4SA0R0J

R 1247 RS1/16SS6800D
 R 1248 RS1/16SS3301D
 R 1249,1252,1253,1255 RS1/16SS1002D
 R 1250 RS1/16SS7501D
 R 1251 RS1/16SS3902D

R 1254 RS1/16SS6802D
 R 1261,1290 RS1/10SR8201D
 R 1266,1291 RS1/10SR3301D
 R 1267,1292 RS1/10SR1001D
 R 1268,1293,1441,1445 RS1/10SR100J

R 1269-1278,1294-1303 RS1/4SA7R5J
 R 1279-1288,1304-1313 RS1/10SR120J
 R 1314 RS1/10SR2701D
 R 1404,1419,1434,1449 RS1/10SR6802D
 R 1405 RS1/10SR1803D

R 1407,1423,3805,3806 RS1/10SR5101D
 R 1411,1415 RS1/10SR220J
 R 1412,1442 RS1/10SR472J
 R 1417,1447,3014,6043 RS1/10SR105J
 R 1418 RS1/10SR6201D

R 1420,1431,1440,1451 RS1/10SR1002D
 R 1422 RS1/10SR1503D
 R 1424,3617 RS1/10SR2002D
 R 1425-1427,1454,1456 RS1/4SA0R0J
 R 1435 RS1/10SR5102D

R 1436,3801,3802 RS1/10SR5601D
 R 1439 RS1/10SR123J
 R 1446 RS1/10SR3002D
 R 1452 RS1/10SR6202D
 R 1601-1604,1801-1804 RS1/10SR1601D

R 1605-1608,1805-1808 RS1/10SR3600D
 R 1609-1612,1809-1812 RS1/10SR1000D
 R 2292,2678 RS1/16SS5601F
 R 2296,2315,2316,2682 RS1/10SR0R0J
 R 2726,2731,3007,3038 RS1/10SR0R0J

R 3039,3050-3055,3417 RS1/10SR0R0J
 R 3462-3464,6094,6405 RS1/10SR0R0J
 R 3616 RS1/16SS1002D
 R 3723,3819 RS1/10SR100J
 R 3803,3804,3807,3808 RN1/16SE6802D

R 3809,3810 RS1/10SR4701D
 Other Resistors RS1/16SS###J

MISCELLANEOUS

L 1002,1007 CHIP SOLID INDUCTOR QTL1013
 L 1005,1010 INDUCTOR CTF1793
 L 1201 CHOKE COIL CTH1209
 L 1202 COIL CTH1475
 L 1203 CHOKE COIL CTH1354

L 1204 POWER INDUCTOR ATH7053
 L 1256 CHIP BEEDS FILTER BTX1042
 L 1401,1402,1405 POWER INDUCTOR ATH7011
 L 1406 POWER INDUCTOR ATH7011
 L 2203-2205 CHIP SOLID INDUCTOR QTL1013

L 2207,2607,3203 CHIP COIL LCTAW330J2520
 L 2603-2605 CHIP SOLID INDUCTOR QTL1013
 L 3201 SMD FERRITE BEADS CTF1823
 F 3201 EMI FILTER DTL1106
 KN 3001-3008 WRAPPING TERMINAL CKF1089

X 3001 RESONATOR (48 MHz) CSS1760
 X 3401 OSCILLATOR (16.9344 MHz) CWX3849
 X 6001 CRYSTAL RESONATOR BSS1146
 CN 1001 L-PLUG(10P) KM200NA10L
 CN 1011,1012,1021 PLUG(15P) KM200NA15

CN 1022 PLUG(5P) KM200NA5
 CN 1031 L-PLUG(9P) KM200NA9L
 CN 1051,1052 PLUG(8P) KM200NA8
 CN 1061,1062 CONNECTOR AKM1282
 CN 1101,1111,1121 25P CONNECTOR VKN1256

CN 1102,1112 23P CONNECTOR VKN1427
 CN 1122 23P CONNECTOR VKN1254
 CN 1131 27P CONNECTOR VKN1258
 CN 1141,1142 32P CONNECTOR VKN1436
 CN 1201 CONNECTOR B6B-XH-A

JH 3001,3002 PCB BINDER AEF7008
 P 1201 PROTECTOR(0.750 A) DEK1121



5			6			7			8		
Mark	No.	Description	Part No.	Mark	No.	Description	Part No.		Mark	No.	Description
CAPACITORS											
	C	1001-1004,1015,1016	CKSRYB104K25		C	1615,1616,1619,1620	CEVW220M6R3				
	C	1005-1014,1017-1023	CKSSYB104K10		C	1618,1625,1626,1629	CKSSYB104K10				
	C	1028,1029,1031-1033	CKSSYB104K10		C	1627,1628,1637,1638	CCH1998				A
	C	1030,1034,1221	CKSRYB104K50		C	1630,1635,1636,1817	CKSSYB104K10				
	C	1035-1038,1224-1227	CKSSYB104K10		C	1631-1634,1831-1834	CKSSYB102K50				
					C	1639,1641,1645,1647	CCSRCH102J50				
	C	1047,1048,1419,1420	CKSSYB102K50								
	C	1201	CCH1680		C	1644,1843,1844,2011	CKSSYB103K16				
	C	1202	CFTLA474J50		C	1646,1648,1811-1814	CKSRYB103K25				
	C	1203,1207,1414,1423	DCH1263		C	1803-1806,3810,3811	CKSRYB104K25				
	C	1205,1208,1239,3610	CKSSYB103K25		C	1815,1816,1819,1820	CEVW220M6R3				
					C	1818,1825,1826,1829	CKSSYB104K10				
	C	1209,1223,1233-1235	CKSSYB104K16								
	C	1210,1240,1277,1283	CCG1218		C	1827,1828,1837,1838	CCH1998				
	C	1213,1477,1480-1482	CEVW101M25		C	1830,1835,1836,2003	CKSSYB104K10				B
	C	1214,1230-1232,1432	CCG1236		C	1839,1841,1845,1847	CCSRCH102J50				
	C	1215,1229,1409,1410	CKSRYB104K25		C	1840,1842,1846,1848	CKSRYB103K25				
					C	2004,2005	CEVW220M16				
	C	1216,1220,1236-1238	CCSSCH102J50								
	C	1217,2240,2639,3004	CCSSCH101J50		C	2007,2009,2201,2202	CKSSYB104K10				
	C	1218	CCSSCH151J50		C	2008,2247,2257,2258	CCG1192				
	C	1222	CEVW101M50		C	2010,2241,2245,2246	CKSSYB102K50				
	C	1228,1286,1291,1643	CKSSYB103K16		C	2012,2212-2215	CKSSYB103K16				
					C	2203,2204,2603,2604	CEVW470M6R3				
	C	1241-1243,1247,1251	CKSSYB104K10								
	C	1244-1246,1265,1467	CKSSYB104K16		C	2207,2208,2237,2243	CKSSYB104K10				
	C	1249	CKSSYB223K16		C	2209,2210,2216-2218	CKSSYB471K50				
	C	1250,6067	CKSSYB473K16		C	2219-2226,2228,2230	CKSSYB103K16				C
	C	1255,1256,1260,1264	CKSSYB104K10		C	2227,2229,2231,2244	CKSSYB471K50				
					C	2232-2236,2238,2239	CKSSYB103K16				
	C	1259,1261,1262,1287	CCSSCH102J50								
	C	1263,1266,1267,1270	CCG1192		C	2242,2249,2250	CKSSYB103K16				
	C	1269,1272,1273,3426	CCH1565		C	2248,2251,2252,2256	CKSSYB471K50				
	C	1274	CKSRYB334K10		C	2253-2255,2265-2267	CKSSYB104K10				
	C	1278,1288,1293,1474	CKSRYB105K10		C	2259-2261,2275,2276	CKSSYB102K50				
					C	2262-2264,2611-2614	CKSSYB103K16				
	C	1284,1289,1468	CCG1218								
	C	1285,1290,1460,1617	CKSSYB104K10		C	2268-2270,2646,2656	CCG1192				
	C	1292,1437,1440,1476	CCSSCH102J50		C	2273,2601,2602,2607	CKSSYB104K10				
	C	1401,1421,1425,1426	CKSRYB105K16		C	2285,2677,3205,3677	CEVW101M16				
	C	1403,1444	CKSRYB334K25		C	2294,2312,2609,2610	CKSSYB471K50				D
					C	2608,2636,2642	CKSSYB104K10				
	C	1404	CKSYB225K25								
	C	1405,1433	CCSSCH271J50		C	2615-2617,2626,2628	CKSSYB471K50				
	C	1407	CKSSYB332K50		C	2618-2625,2627,2629	CKSSYB103K16				
	C	1411,1412,1435,1439	CKSQYB105K25		C	2630,2643,2647,2650	CKSSYB471K50				
	C	1416,1417	CKSRYB103K50		C	2631-2635,2637,2638	CKSSYB103K16				
					C	2640,2644,2645	CKSSYB102K50				
	C	1418	CCSSCH221J50								
	C	1424,1459	CKSYB105K16		C	2641,2648,2649	CKSSYB103K16				
	C	1429,1466	CKSSYB682K25		C	2651,2655,2658,2678	CKSSYB471K50				
	C	1431,1434,1603-1606	CKSRYB104K25		C	2652-2654,2665-2667	CKSSYB104K10				
	C	1436	CCG1236		C	2657,2668-2670,3244	CCG1192				
					C	2659-2661,2675,2676	CKSSYB102K50				E
	C	1438,1441	CEVW470M25								
	C	1442,1456,1461,1462	CKSRYB105K16		C	2662-2664,3002,3208	CKSSYB103K16				
	C	1446	CKSSYB472K50		C	2673,2683,2684,3001	CKSSYB104K10				
	C	1451	CFHXSQ103J16		C	3003,3009,3214,3216	CKSSYB102K50				
	C	1453,1458	DCH1263		C	3005,3007,3010,3201	CKSSYB104K10				
					C	3006	CCSSCH100D50				
	C	1455	CCSSCH561J50								
	C	1469,1475,2002,2006	CCG1192		C	3008	CCSSCH8R0D50				
	C	1472,2211,6025,6036	CKSSYB104K16		C	3012,3013,3016,3018	CKSRYB104K16				
	C	1478,3242	CKSRYB105K10		C	3014,3015,3017,3019	CKSRYB102K50				
	C	1479	CCSSCH102J50		C	3202,3204,3207,3401	CKSSYB104K10				
					C	3203,6017	CEVW470M6R3				
	C	1483	CCH1961								F
	C	1601,1602,1801,1802	CEVW101M25		C	3206,3209,6001-6016	CKSSYB471K50				
	C	1607-1610,1807-1810	CEVW101M16		C	3210-3213,3215,3217	CKSSYB103K16				
	C	1611-1614,1640,1642	CKSRYB103K25		C	3218,3220,3222,3224	CKSSYB102K50				

Mark No. Description**Part No.****Mark No. Description****Part No.**

C 3219,3221,3223,3225
C 3226,3228,3230,3232

CKSSYB103K16
CKSSYB102K50

R 109,110,313,314
R 113,114,117,118

RN1/16SE2200D
RS1/10SR1003D

A

C 3227,3229,3231,3233
C 3234,3236,3238,3403
C 3235,3237,3239,3241
C 3240,3404-3407
C 3245-3251,3402,3415

CKSSYB103K16
CKSSYB102K50
CKSSYB103K16
CCSSCH101J50
CKSSYB103K16

R 115,116,319,320
R 119,120,123,124
R 121,122,325,326
R 131,132,156,157
R 133,134,158,159

RN1/16SE1003D
RS1/10SR9102D
RN1/16SE9102D
RS1/10SR1801D
RN1/16SE1601D

C 3408-3410,3603,3606
C 3411-3413,3416-3420
C 3422,3602,3605,3609
C 3601,3608,3619,3627
C 3614,3620,6023

CKSSYB102K50
CKSSYB104K10
CKSSYB104K10
CCH1565
CKSSYB102K50

R 135,137,139,140
R 136,138,340,342
R 143,144,147,148
R 149,150,349,350
R 151,351

RN1/16SE1501D
RN1/16SE2401D
RS1/10SR2700D
RN1/16SE7501D
RS1/8SQ0R0J

B

C 3615,3618,3621,3669
C 3616,3631,3633,3671
C 3617,3632,3634,3672
C 3622,3624,3665,3815
C 3667,3816

CKSSYB104K10
CCSRCH102J50
CKSRB103K25
CKSSYB103K16
CEVW220M6R3

R 154,155,317,318
R 301-304
R 305,306,309,310
R 311,312,315,316
R 321,322,354,355

RS1/10SR1003D
RS1/10SR2700D
RS1/10SR1000D
RS1/10SR2200D
RS1/10SR1003D

C 3675,3817,3820,6066
C 3801,3802,3821,6056
C 3803,3804
C 3805,3806
C 3807,3808

CKSSYB104K10
CEVW101M16
CCSRCH272J50
CCSRCH471J50
CCSRCH220J50

R 323,324,327,328
R 335,336,356,357
R 337,338,358,359
R 339,341,343,344
R 505,506,511,513

RS1/10SR9102D
RS1/10SR1801D
RN1/16SE1601D
RN1/16SE1501D
RN1/16SE1000D

C

C 3809,3818
C 3812,3819
C 3813,3814
C 6030
C 6031,6034

CCSRCH102J50
CKSRB103K25
CEVW100M50
CKSSYB103K16
CCSSCH6R0D50

R 507,508
R 509,510,524
R 512
R 514,519
R 515,518

RN1/16SE2200D
RN1/16SE1002D
RS1/10SR1202D
RN1/16SE4701D
RN1/16SE1501D

C 6037
C 6038-6041,6062-6065
C 6055
C 6057
C 6068

CKSSYB104K16
CKSSYB102K50
CKSRB104K16
CKSSYB471K50
CKSSYB103K25

R 516
R 517
R 520
R 521
R 522

RS1/10SR8200D
RN1/16SE9101D
RS1/10SR1500D
RN1/16SE1003D
RS1/10SR3300D

C 6069,6070

CKSSYB102K50

R 523
R 525-528
R 529,530
R 531,532
R 533,534

RN1/16SE1202D
RS1/10SR1003D
RS1/10SR3900D
RN1/16SE3900D
RS1/10SR2200D

D

B AIJK ASSY

SEMICONDUCTORS

IC 101,301,501
IC 102,302
IC 103,104,303,304
IC 502
Q 101-104,301-304

NJM4580MD
NJM4580D
NJM2121MD
NJM4565MD
2SK209

Q 105,305
Q 501,502
D 501-504
D 505

LTC114EUB
2SK209
UDZS15(B)
DZ2S180C

E

MISCELLANEOUS

JA 101,302 JACK
JA 102,301 JACK
JA 501 CANON CONNECTOR
JA 502 6.5 DIA JACK
VR 501,502 ROTARY VR

DKB1083
DKB1103
DKB1108
DKN1653
DCS1131

0 MIC SHIELD
0 PHONE SHIELD
JP 101,102 CRIMP CONNECTOR

DNF1849
DNF1875
PF15PG-R07

F

RESISTORS

R 101,102,105,106
R 103,104,307,308
R 107,108,111,112

RS1/10SR1000D
RN1/16SE1000D
RS1/10SR2200D

Other Resistors

RS1/10SR###J

CAPACITORS

C 101-106,301-306
C 107-112,307-312
C 113-118,313-318
C 121,122,321,322
C 123,126,137,142

CCSRCH102J50
CCSRCH101J50
CEAT101M16
CCSRCH471J50
CEAT101M25

C 124,125,135,136
C 127,128,327,328
C 129,131,329,331
C 130,132,330,332
C 133,134,333,334

CKSRB104K25
CKSRB223K50
CCSRCH331J50
CEAT221M10
CFTLA103J50

C 138-141,146,147
C 143,343
C 144,145,337,342
C 324,325,335,336
C 338-341,524,525

CKSRB104K25
CKSRB104K16
CEAT101M25
CKSRB104K25
CKSRB104K25

C 344,345
C 504,505
C 512,513
C 514
C 515,517,522,523

CEAT101M25
CFTLA103J50
CCSRCH102J50
CKSRB471K50
CCSRCH471J50

5

6

7

8

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	C 516		CCSRCH222J50		C 732,735,738,743		CKSRYB104K25
	C 518,526-529		CEAT101M16		C 741,750		CEHAT101M25
	C 519		CKSRYB103K50		C 744,910,911		CKSRYB104K25
	C 520		CCSRCH331J50		C 746-749,918-921		CCSRCH101J50
	C 521		CKSRYB331K50		C 751-754		ACH1480
					C 755,756,932-935		CEAT101M16
	C 530,531		CKSRYB104K25		C 763,764,942-945		DCE1017
					C 765-768		DCE1018
					C 901,902		CEAT470M25
					C 903,904		CCSRCH272J50
					C 905,906,914-917		CCSRCH471J50
					C 907,908		CCSRCH180J50
					C 923-926		CKSRYB104K25
					C 928-931		CCSRCH101J50
C AOJK ASSY SEMICONDUCTORS				D HPLK ASSY SEMICONDUCTORS			
	IC 701,702,705,901		NJM4580MD		IC 3901		NJM4580MD
	IC 703,704,902,903		NJM4580D		Q 3901,3902		2SK209
	Q 701,702		LTA114EUB		Q 3903,3904		INC2002AC1
	Q 703-716,901-904		INC2002AC1		Q 3905,3907		KTC3209
	Q 905-908		2SK209		Q 3906,3908		KTA1281
	Q 909-912		INC2002AC1				
	D 711-714,902-905		DZ2S180C				
	D 901		DA2J101				
MISCELLANEOUS				MISCELLANEOUS			
	JA 701,702 CANON CONNECTOR		DKB1093		JA 3901 HEADPHONE JACK		DKN1622
	JA 703 PIN JACK(2P)		AKB7181		JA 3902 STEREO MINI JACK		XKN3017
	JA 901,902 6.5 DIA JACK		DKN1653		2 PHONE SHIELD		DNF1875
	0 CANON SHIELD		DNF1789		JP 3901 CRIMP CONNECTOR		PF09PG-R10
	1 PHONE SHIELD		DNF1875				
	JP 701 CRIMP CONNECTOR		PF15PG-R15				
	JP 702 CRIMP CONNECTOR		PF05PG-R15				
	P 701,702 PROTECTOR(1A) (1 A)		AEK1073				
RESISTORS				RESISTORS			
	R 705-712		RS1/10SR6801D		R 3901,3902		RS1/10SR1002D
	R 713-720,729-736		RN1/16SE6802D		R 3903,3904		RN1/16SE1002D
	R 721-728		RS1/10SR6201D		R 3910,3912		RS1/8SQ680J
	R 737-744,777-784		RS1/10SR5601D		R 3913,3914		RS1/10SR1001D
	R 745-752,757-764		RS1/8SQ1800F		R 3915-3918		RS1LMF390J
	R 769-772		RS1/8SQ2200F		Other Resistors		RS1/10SR###J
	R 773-776		RS1/10SR1002D				
	R 785,786		RS1/10SR1001D				
	R 787-794		RN1/16SE6801D		CAPACITORS		
	R 795,796		RS1/10SR1102D		C 3902,3903		CCSRCH391J50
					C 3904,3907,3910,3915		CEAT101M16
					C 3905,3906,3911-3914		CKSRYB104K25
	R 797,798		RN1/16SE2702D		C 3916,3917		CEANP471M6R3
	R 799,800		RS1/10SR6800D		C 3918,3919		CFTLA224J50
	R 801-804,932-935		RD1/2VM331J				
	R 805-808,936-939		RS1/10SR2201D		C 3920		CFTLA103J50
	R 815-818		RD1/2VM100J				
	R 901,902		RS1/10SR5601D				
	R 903,904,907,908		RN1/16SE7502D		E USBB ASSY MISCELLANEOUS		
	R 905,906		RS1/10SR5101D		L 3901,3951 COIL		ATH7015
	R 909,910		RS1/10SR4701D		L 3903,3952 CHIP SOLID INDUCTOR		QTL1013
	R 912-919		RS1/10SR3301D		L 3904,3954 INDUCTOR		CTF1793
					L 3953,3993 CHIP SOLID INDUCTOR		QTL1013
	R 924-931		RN1/16SE1102D		JA 3901,3951 USB CONNECTOR		DKN1237
	Other Resistors		RS1/10SR###J				
CAPACITORS							
	C 701-704		CCSRCH102J50		KN 3901,3951 WRAPPING TERMINAL		CKF1089
	C 705-708		CCSRCH221J50		CN 3901 L-PLUG(10P)		KM200NA10L
	C 709-716		CCSRCH200J50				
	C 717,721		ACH1482		CAPACITORS		
	C 718-720,722,729		CKSRYB104K25		C 3903,3955		CCSSCH470J50
	C 727,740		CEHAZL101M25				
	C 730,731,736,737		CCSRCH101J50				

DDJ-SZ

201

Mark No. Description**Part No.****Mark No. Description****Part No.****F FAD1 ASSY****MISCELLANEOUS**

VR 9021 SLIDE VR
CN 9021 PLUG(3P)

DCV1027
KM200NA3R

S 4514-4518 TACT SWITCH
CN 4001 25P CONNECTOR
CN 4002 23P CONNECTOR
CN 4501 3P JUMPER CONNECTOR

DSG1079
VKN1256
VKN1254
52147-0310

G FAD2 ASSY**MISCELLANEOUS**

VR 9031 SLIDE VR
CN 9031 PLUG(3P)

DCV1027
KM200NA3E

RESISTORS

All Resistors

RS1/10SR###J

CAPACITORS

C 4001,4002
C 4003,4004,4008
C 4006
C 4010-4015,4513-4518
C 4519-4530,4538

CEJQ101M16
CKSRYB104K16
CEJQ470M6R3
CKSRYB104K16
CKSRYB471K50

H FAD3 ASSY**MISCELLANEOUS**

VR 9011 SLIDE VR
CN 9011 PLUG(3P)

DCV1027
KM200NA3

C 4531,4534,4535,4544
C 4541-4543,4545-4552
C 4553-4575

CKSRYB104K16
CKSRYB471K50
CKSRYB104K16

I FAD4 ASSY**MISCELLANEOUS**

VR 9041 SLIDE VR
CN 9041 PLUG(3P)

DCV1027
KM200NA3Y

K MXRB ASSY**SEMICONDUCTORS**

IC 7801
IC 7802
Q 7801,7803,7805,7807
Q 7802,7806,7808,7812
Q 7804,7810

TC74HC4052AFT
TC4053BFT
LTC124EUB
LSAR523UB
2SA1577

J MXRA ASSY**SEMICONDUCTORS**

IC 4501-4503
IC 4504
Q 4002-4005
Q 4006-4014
Q 4015,4017,4019,4021

TC74HC4052AFT
NJM12903V
LTC123JUB
LSCR523UB
LTC124EUB

Q 4016,4018,4020,4022
Q 4023,4025,4502-4505
Q 4024,4026
Q 4501

2SB1689
LTC124EUB
2SB1689
LTA143EUB

D 4002,4005,4016-4018

SLI-343U8R(HJK)

D 4003,4004,4009-4014
D 4006-4008,4015
D 4019-4021,4028
D 4022-4027,4035-4040
D 4029-4031,4041-4043

SLI-343M8G(GHJ)
SLI-343YYW(TUV)
SLI-343YYW(TUV)
SLI-343M8G(GHJ)
SLI-343U8R(HJK)

D 4032-4034,4044-4046
D 4047-4052,4059-4064
D 4053-4055,4068
D 4056-4058,4065
D 4066,4067,4072-4077

SLI-343YYW(TUV)
SLI-343M8G(GHJ)
SLI-343U8R(HJK)
SLI-343YYW(TUV)
SLI-343M8G(GHJ)

D 4069-4071,4078-4080
D 4081-4084
D 4501-4521

SLI-343YYW(TUV)
SLI-343M8G(GHJ)
DA2J101

MISCELLANEOUS

VR 4501-4506 ROTARY VR
VR 4507,4508,4510-4512 ROTARY VR
VR 4509,4513,4514 POTENTIOMETER
VR 4515,4520 ROTARY VR
VR 4516-4519 POTENTIOMETER

DCS1126
DCS1104
DCS1065
DCS1104
DCS1065

VR 4521-4527 POTENTIOMETER
S 4501,4504,4513 SLIDE SWITCH
S 4502,4503,4505,4506 TACT SWITCH
S 4507,4510 SLIDE SWITCH
S 4508,4509,4511,4512 TACT SWITCH

DCS1065
DSH1058
DSG1079
DSH1066
DSG1079

MISCELLANEOUS

VR 7801 POTENTIOMETER
VR 7802,7803 ROTARY VR
VR 7804 ROTARY VR
S 7801,7802,7804,7805 TACT SWITCH
S 7803,7806,7809 SLIDE SWITCH

DCS1065
DCS1104
DCS1125
DSG1079
DSH1058

S 7807,7808,7810,7811 TACT SWITCH
S 7812,7815 SLIDE SWITCH
S 7813,7814,7816,7817 TACT SWITCH
CN 7801 27P CONNECTOR
CN 7802 PLUG(3P)

DSG1079
DSH1058
DSG1079
VKN1258
KM200NA3

CN 7803 PLUG(3P)
CN 7804 PLUG(3P)
CN 7805 PLUG(3P)

KM200NA3R
KM200NA3E
KM200NA3Y

RESISTORS

All Resistors

RS1/10SR###J

MISCELLANEOUS

JH 7801 CRIMP CONNECTOR
JH 7802,7803 3P CABLE HOLDER
JP 7802,7803 3P JUMPER WIRE

PF03PG-R15
51048-0300
D20PDY0310E

CAPACITORS

C 7801,7808-7819
C 7804-7807
C 7821-7823

CKSRYB104K16
CKSRYB471K50
CEJQ470M6R3

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
L	CRFCV ASSY			RESISTORS			
	MISCELLANEOUS			All Resistors			
	VR 8001	ROTARY VR	DCS1121				
	CN 8001	3P JUMPER CONNECTOR	52147-0310				
	CAPACITORS						
	C 8001		CKSRYB104K16				
M	JFLL ASSY						
	SEMICONDUCTORS						
	Q 7401,7402		KTC3198				
	MISCELLANEOUS						
	V 7401	VFD	DEL1073				
	0	STAY/FL	DNF1934				
	RESISTORS						
	All Resistors						
	MISCELLANEOUS						
	JP 7401	CRIMP CONNECTOR	PF11PG-R42				
N	JFLR ASSY						
	SEMICONDUCTORS						
	Q 7601,7602		KTC3198				
	MISCELLANEOUS						
	V 7601	VFD	DEL1073				
	0	STAY/FL	DNF1934				
	RESISTORS						
	All Resistors						
	MISCELLANEOUS						
	JP 7601	CRIMP CONNECTOR	PF11PG-R42				
O	JLL1 ASSY						
	SEMICONDUCTORS						
	Q 9211-9214		LSAR523UB				
	D 9211		SLR343BD2T(NP)				
	D 9212		SLR343WBC7T(MN)				
	MISCELLANEOUS						
	CN 9211	L-PLUG(3P)	KM200NA3L				
P	JLL2 ASSY						
	SEMICONDUCTORS						
	Q 9231-9234		LSAR523UB				
	D 9231		SLR343BD2T(NP)				
	D 9232		SLR343WBC7T(MN)				
	MISCELLANEOUS						
	CN 9231,9232	L-PLUG(3P)	KM200NA3L				
	RESISTORS						
	All Resistors						
Q	JLL3 ASSY						
	SEMICONDUCTORS						
	Q 9251-9254		LSAR523UB				
	D 9251		SLR343BD2T(NP)				
	D 9252		SLR343WBC7T(MN)				
	MISCELLANEOUS						
	CN 9251,9252	L-PLUG(3P)	KM200NA3L				
	RESISTORS						
	All Resistors						
R	JLL4 ASSY						
	SEMICONDUCTORS						
	Q 9271-9274		LSAR523UB				
	D 9271		SLR343BD2T(NP)				
	D 9272		SLR343WBC7T(MN)				
	MISCELLANEOUS						
	CN 9271	L-PLUG(3P)	KM200NA3L				
	RESISTORS						
	All Resistors						
S	JLR1 ASSY						
	SEMICONDUCTORS						
	Q 9311-9314		LSAR523UB				
	D 9311		SLR343BD2T(NP)				
	D 9312		SLR343WBC7T(MN)				
	MISCELLANEOUS						
	CN 9311	L-PLUG(3P)	KM200NA3L				
	RESISTORS						
	All Resistors						
T	JLR2 ASSY						
	SEMICONDUCTORS						
	Q 9331-9334		LSAR523UB				
	D 9331		SLR343BD2T(NP)				
	D 9332		SLR343WBC7T(MN)				
	MISCELLANEOUS						
	CN 9331,9332	L-PLUG(3P)	KM200NA3L				

Mark No. Description**Part No.****Mark No. Description****Part No.****RESISTORS**

All Resistors

RS1/10SR###J

VA 8701,8702 SMD VARISTOR

EZJZ1V80010

U JLR3 ASSY
SEMICONDUCTORS

Q 9351-9354

LSAR523UB

D 9351

SLR343BD2T(NP)

D 9352

SLR343WBC7T(MN)

MISCELLANEOUS

CN 9351,9352 L-PLUG(3P)

KM200NA3L

RESISTORS

All Resistors

RS1/10SR###J

V JLR4 ASSY
SEMICONDUCTORS

Q 9371-9374

LSAR523UB

D 9371

SLR343BD2T(NP)

D 9372

SLR343WBC7T(MN)

MISCELLANEOUS

CN 9371 L-PLUG(3P)

KM200NA3L

RESISTORS

All Resistors

RS1/10SR###J

W JOGTL ASSY
SEMICONDUCTORS

IC 8601

DYW1846

D 8601

RB501VM-40

MISCELLANEOUS

L 8601-8603 INDUCTOR

CTF1379

KN 8601-8603 EARTH TERMINAL

AKF7002

CN 8601 PLUG(8P)

KM200NA8

CN 8602 L-PLUG(4P)

KM200NA4L

CN 8603,8604 L-PLUG(3P)

KM200NA3L

VA 8601,8602 SMD VARISTOR

EZJZ1V80010

RESISTORS

R 8601,8602

DCN1187

R 8603

RS1/10SR4701D

Other Resistors

RS1/10SR###J

CAPACITORS

C 8601

CCSRCH101J50

C 8602

CKSRYB104K16

C 8603

CCG1192

X JOGTR ASSY
SEMICONDUCTORS

IC 8701

DYW1846

D 8701

RB501VM-40

MISCELLANEOUS

L 8701-8703 INDUCTOR

CTF1379

KN 8701-8703 EARTH TERMINAL

AKF7002

CN 8701 PLUG(8P)

KM200NA8

CN 8702 L-PLUG(4P)

KM200NA4L

CN 8703,8704 L-PLUG(3P)

KM200NA3L

RESISTORS

R 8701,8702

DCN1187

R 8703

RS1/10SR4701D

Other Resistors

RS1/10SR###J

CAPACITORS

C 8701

CCSRCH101J50

C 8702

CKSRYB104K16

C 8703

CCG1192

Y JOGR ASSY
MISCELLANEOUS

CN 8801 PLUG(4P)

KM200NA4

RESISTORS

All Resistors

RS1/10SR###J

MISCELLANEOUS

PC 8801 PHOTO INTERRUPTER

KE-2K18-15

CAPACITORS

C 8801

CKSRYB105K10

C 8802,8803

CKSRYB103K50

Z DEUP ASSY
SEMICONDUCTORS

IC 6004

TC74HC4052AFT

Q 6003,6005,6007

LTC124EUB

Q 6004,6006

ISA1602AM1

Q 6008

LSAR523UB

Q 6009,6012

LTC123JUB

Q 6010,6011

LSCR523UB

Q 6013-6015

LTC124EUB

D 6001-6009,6017

SLI-343U8R(HJK)

D 6018-6026,6031

DA2J101

D 6027-6030

SLI-343U8R(HJK)

MISCELLANEOUS

VR 6001-6003 ROTARY VR

DCS1125

VR 6004 ROTARY VR

DCS1121

S 6001 ENCODER

DSX1082

S 6002,6003,6005-6012 TACT SWITCH

DSG1079

S 6004 ENCODER

DSX1125

CN 6001 32P CONNECTOR

VKN1263

CN 6002 15P CONNECTOR

VKN1246

CN 6003 3P JUMPER CONNECTOR

52147-0310

RESISTORS

All Resistors

RS1/10SR###J

MISCELLANEOUS

JH 6001 5P CABLE HOLDER

51048-0500

JP 6001 JUMPER WIRE

D20PDY0510E

CAPACITORS

C 6001,6002,6006-6009

CKSRYB471K50

C 6003,6010-6013

CKSRYB104K16

C 6022-6024

CKSRYB104K16

C 6025,6026

CEJQ470M6R3

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
AA		DEUPR ASSY					
		SEMICONDUCTORS					
	IC	6004	TC74HC4052AFT				
	Q	6003,6005,6007	LTC124EUB				
	Q	6004,6006	ISA1602AM1				
	Q	6008	LSAR523UB				
	Q	6010,6011	LSCR523UB				
	Q	6012	LTC123JUB				
	Q	6013-6015	LTC124EUB				
	D	6001-6009,6027-6030	SLI-343U8R(HJK)				
	D	6018-6026,6031	DA2J101				
		MISCELLANEOUS					
	VR	6001-6003 ROTARY VR	DCS1125				
	VR	6004 ROTARY VR	DCS1121				
	S	6001 ENCODER	DSX1082				
	S	6002,6003,6005,6006 TACT SWITCH	DSG1079				
	S	6004 ENCODER	DSX1125				
	S	6008-6012 TACT SWITCH	DSG1079				
	CN	6001 32P CONNECTOR	VKN1263				
	CN	6002 15P CONNECTOR	VKN1246				
		RESISTORS					
	All Resistors		RS1/10SR###J				
		MISCELLANEOUS					
	JH	6001 5P CABLE HOLDER	51048-0500				
	JP	6001 JUMPER WIRE	D20PDY0510E				
		CAPACITORS					
	C	6001,6002,6006-6009	CKSRYB471K50				
	C	6003,6010-6013	CKSRYB104K16				
	C	6022-6024	CKSRYB104K16				
	C	6025,6026	CEJQ470M6R3				
AB		PSWB ASSY					
		MISCELLANEOUS					
	S	8901 PUSH SW	ASG1102				
	CN	8901 3P JUMPER CONNECTOR	52147-0310				
		RESISTORS					
	All Resistors		RS1/10SR###J				
AC		KSWB ASSY					
		SEMICONDUCTORS					
	Q	8201,8203,8205	LTC124EUB				
	Q	8202,8204,8206	ISA1602AM1				
	Q	8207,8208	LTC123JUB				
	Q	8209	2SC4154-11				
	Q	8213-8215	LTC124EUB				
	Q	8216-8219	LSAR523UB				
	D	8201-8203	SLI-343U8R(HJK)				
	D	8206	SLR343BD2T(NP)				
	D	8207	SLR343WBC7T(MN)				
	D	8208	SLI-343YYW(TUV)				
	D	8209-8211	SLI-343M8G(GHJ)				
	D	8212-8217	DA2J101				
		MISCELLANEOUS					
	S	8201-8206 TACT SWITCH	DSG1079				
	S	8207,8208 TACT SWITCH	DSG1117				
AD		SLDB ASSY					
		SEMICONDUCTORS					
	Q	8411,8413,8415,8419	LTC124EUB				
	Q	8412,8414,8416,8420	LSAR523UB				
	Q	8421	LTC124EUB				
	Q	8422	LSAR523UB				
	Q	8426,8427	LTC123JUB				
	Q	8428	LSCR523UB				
	D	8401-8431-8434	SLI-343U8R(HJK)				
	D	8411-8417,8419-8422	DA2J101				
	D	8437-8442	SLI-343U8R(HJK)				
		MISCELLANEOUS					
	VR	8401 SLIDE VR	DCV1033				
	S	8401-8403,8405-8408 TACT SWITCH	DSG1079				
	CN	8401 5P JUMPER CONNECTOR	52147-0510				
	CN	8402 13P CONNECTOR	VKN1244				
		RESISTORS					
	All Resistors		RS1/10SR###J				
AE		PADL ASSY					
		SEMICONDUCTORS					
	IC	7005	BU4551BF				
	Q	7001,7003,7005,7034	RN1903				
	Q	7002,7004,7006,7035	2SB1689				
	Q	7007-7018,7031-7033	LTC123JUB				
	Q	7036	RN1903				
	Q	7037	2SB1689				
	Q	7038,7040	LTC124EUB				
	Q	7039,7041	ISA1602AM1				
	Q	7044-7075,7080-7095	LSAR523UB				
	D	7001-7011,7014	SMLVN6RGB2UK(B)				
	D	7017-7020	DA2J101				
		MISCELLANEOUS					
	S	7001-7004 TACT SWITCH	DSG1134				
	CN	7001 10P CONNECTOR	VKN1414				
	CN	7002 25P CONNECTOR	VKN1429				
	CN	7003 13P CONNECTOR	VKN1417				
	CN	7004 23P CONNECTOR	VKN1427				
		RESISTORS					
	R	7005,7018,7029	RS1/16SS563J				
	R	7056	RS1/16SS473J				
	R	7059-7066	RS1/16SS3301D				
	R	7067-7069,7071	RS1/16SS563J				
	R	7070,7072	RS1/16SS223J				

Mark	No.	Description	Part No.
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R 7088,7089,7094,7095
R 7100,7101,7110,7111
R 7120,7121,7130,7131
R 7140,7141,7150,7151
R 7163,7165,7167,7169

RS1/16SS0R0J
RS1/16SS0R0J
RS1/16SS0R0J
RS1/16SS0R0J
RS1/16SS152J

R 7164,7166,7168,7170
R 7171
R 7172
R 7173,7175
R 7176,7182,7188,7196

RS1/16SS103J
RS1/16SS152J
RS1/16SS103J
RS1/16SS182J
RS1/16SS0R0J

R 7202,7215,7216,7225
R 7226,7235,7236,7245
R 7246
Other Resistors

RS1/16SS0R0J
RS1/16SS0R0J
RS1/16SS0R0J
RS1/10SR###J

CAPACITORS

C 7002,7004,7020,7021
C 7007-7014
C 7016,7022

CKSSYB104K10
CKSSYB103K16
CEVW101M16

AF PADR ASSY SEMICONDUCTORS

IC 6005
Q 6001,6003,6005,6034
Q 6002,6004,6006,6035
Q 6007-6018,6031-6033
Q 6036

BU4551BF
RN1903
2SB1689
LTC123JUB
RN1903

Q 6037
Q 6038,6040
Q 6039,6041
Q 6044-6075,6080-6095
D 6001-6011,6014

2SB1689
LTC124EUB
ISA1602AM1
LSAR523UB
SMLVN6RGB2UK(B)

D 6017-6020

DA2J101

MISCELLANEOUS

S 6001-6004 TACT SWITCH
CN6001 10P CONNECTOR
CN6002 25P CONNECTOR
CN6003 13P CONNECTOR
CN6004 23P CONNECTOR

DSG1134
VKN1414
VKN1429
VKN1417
VKN1427

RESISTORS

R 6005,6018,6029
R 6056
R 6059-6066
R 6067-6069,6071
R 6070,6072

RS1/16SS563J
RS1/16SS473J
RS1/16SS3301D
RS1/16SS563J
RS1/16SS223J

R 6088,6089,6094,6095
R 6100,6101,6110,6111
R 6120,6121,6130,6131
R 6140,6141,6150,6151
R 6163,6165,6167,6169

RS1/16SS0R0J
RS1/16SS0R0J
RS1/16SS0R0J
RS1/16SS0R0J
RS1/16SS152J

R 6164,6166,6168,6170
R 6171
R 6172
R 6173,6175
R 6176,6182,6188,6196

RS1/16SS103J
RS1/16SS152J
RS1/16SS103J
RS1/16SS182J
RS1/16SS0R0J

R 6202,6215,6216,6225
R 6226,6235,6236,6245
R 6246
Other Resistors

RS1/16SS0R0J
RS1/16SS0R0J
RS1/16SS0R0J
RS1/10SR###J

Mark	No.	Description	Part No.
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CAPACITORS

C 6002,6004,6020,6021
C 6007-6014
C 6016,6022

CKSSYB104K10
CKSSYB103K16
CEVW101M16

AG CDCL ASSY SEMICONDUCTORS

IC 7301
IC 7302
D 7301

AD7147ACPZ500RL7
TC7SH08FUS1
DZ2J056M0

MISCELLANEOUS

L 7301 CHIP SOLID INDUCTOR

XTL3010

RESISTORS

All Resistors

RS1/16SS###J

CAPACITORS

C 7302
C 7303,7310
C 7304
C 7305
C 7309

CKSSYB103K16
CKSSYB104K16
CCG1192
CCSRCH221J50
CCSRCH101J50

AH CDCR ASSY SEMICONDUCTORS

IC 6301
IC 6302
D 6301

AD7147ACPZ500RL7
TC7SH08FUS1
DZ2J056M0

MISCELLANEOUS

L 6301 CHIP SOLID INDUCTOR

XTL3010

RESISTORS

All Resistors

RS1/16SS###J

CAPACITORS

C 6302
C 6303,6310
C 6304
C 6305
C 6309

CKSSYB103K16
CKSSYB104K16
CCG1192
CCSRCH221J50
CCSRCH101J50

AI CRFD ASSY

* When replacement of the CRFD Assy is required, be sure to order the CROSS FADER Assy (DXA2257) which is a parent Assy.

AJ POWER SUPPLY ASSY

* When replacement of the POWER SUPPLY Assy is required, be sure to order the POWER SUPPLY Assy (DWR1463) which is a parent Assy.