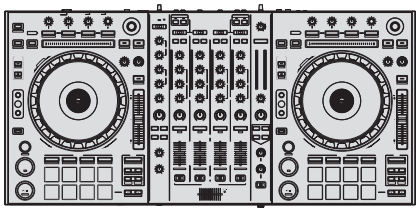
Pioneer

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

K-MZV MAR. 2014 Printed in Japan

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

CONTENTS

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 ºC.
  Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 ºC 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:	Overlapped numbers
MAIN (DWX3535), DEUP (DWX3548), and PADR (DWX3583):	6,000s
USBB (DWX3555) and HPJK (DWX3538):	3,900s

2. SPECIFICATIONS

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
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
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
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

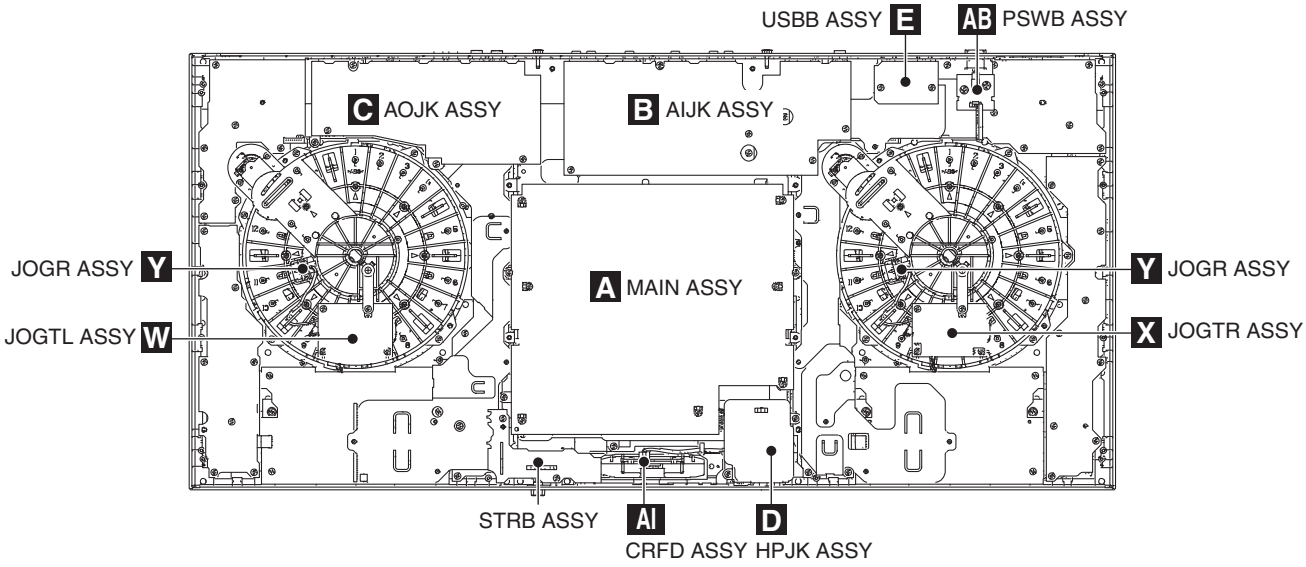
Jig Name	Part No.	Purpose of use / Remarks
USB cable	GGP1193	for PC connection
Weight for pad calibration	GGF1685	to be used as a weight for pad calibration **<Specifications of the weight>** Weight: 150 g ±5 g Base area: 10 mm dia. and with a flat base (Any object that can satisfy the above specifications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

■ Lubricants and Glues List

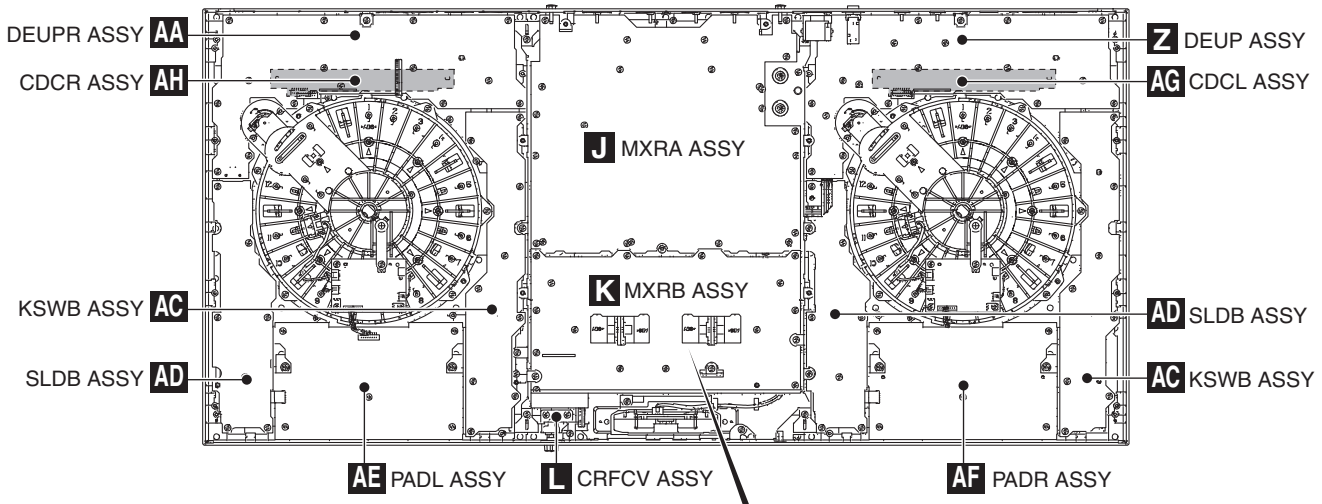
Name	Part No.	Remarks
Lubricating oil	GYA1001	Refer to "9.5 MIXER SECTION", "9.7 JOG DIAL SECTION".
Lubricating oil	GEM1034	Refer to "9.7 JOG DIAL SECTION".

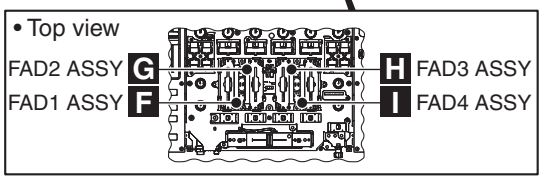
3.3 PCB LOCATIONS

• First layer (bottom view)

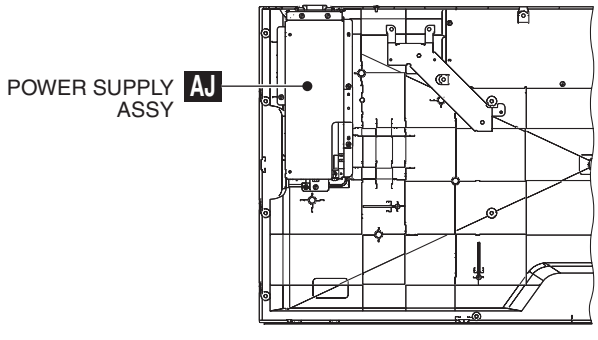


• Second layer (bottom view)

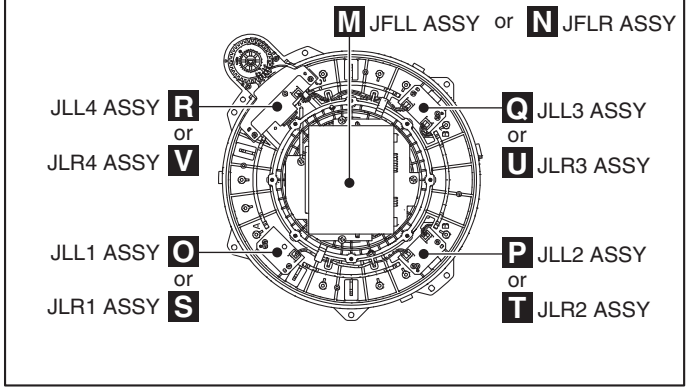




• Chassis Section (top view)



• Jog dial Section (top view)



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.*

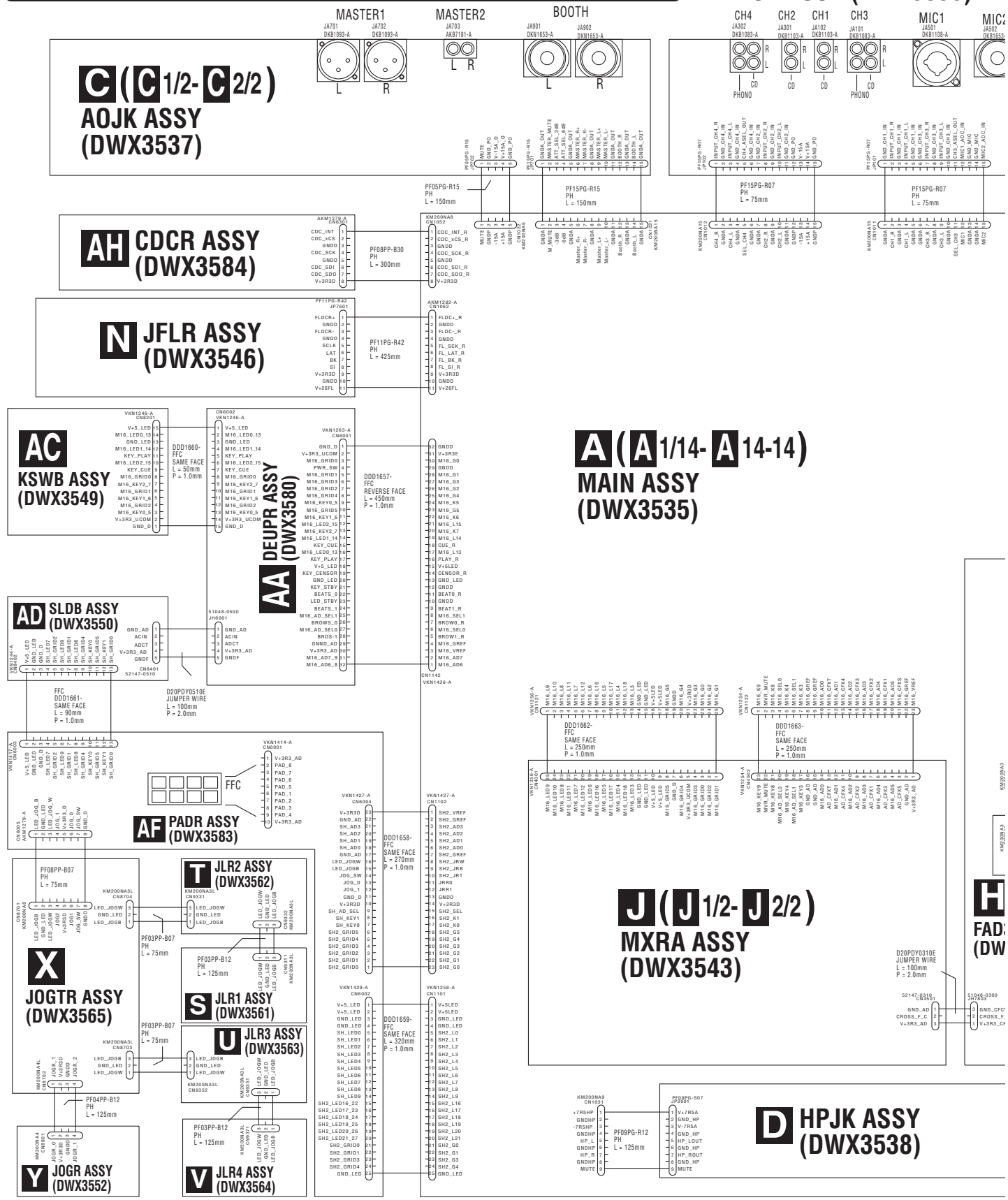
LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
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
NSP	1	..SUB ASSY	DWM2521
	2	..MXRB ASSY	DWX3544
	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
	2	..JLR4 ASSY	DWX3564
NSP	1	..MIXER ASSY	DWM2524
	2	..MXRA ASSY	DWX3543
	2	..JOGTL ASSY	DWX3551
	2	..PSWB ASSY	DWX3560
	2	..JOGTR ASSY	DWX3565
NSP	1	..DECK ASSY	DWM2522
	2	..DEUP ASSY	DWX3548
	2	..KSWB ASSY	DWX3549
	2	..SLDB ASSY	DWX3550
	2	..JOGR ASSY	DWX3552
	2	..STRB ASSY	DWX3585
NSP	1	..DECKR ASSY	DWM2529
	2	..KSWB ASSY	DWX3549
	2	..SLDB ASSY	DWX3550
	2	..JOGR ASSY	DWX3552
	2	..DEUPR ASSY	DWX3580
	2	..STRB ASSY	DWX3585
NSP	1	..PACD ASSY	DWM2523
	2	..PADL ASSY	DWX3553
	2	..CDCL ASSY	DWX3554
	2	..PADR ASSY	DWX3583
	2	..CDCR ASSY	DWX3584
	1	..CROSS FADER ASSY	DXA2257
NSP	2	..CRFD ASSY	DWX3258
⚠		POWER SUPPLY ASSY	DWR1463

4. BLOCK DIAGRAM

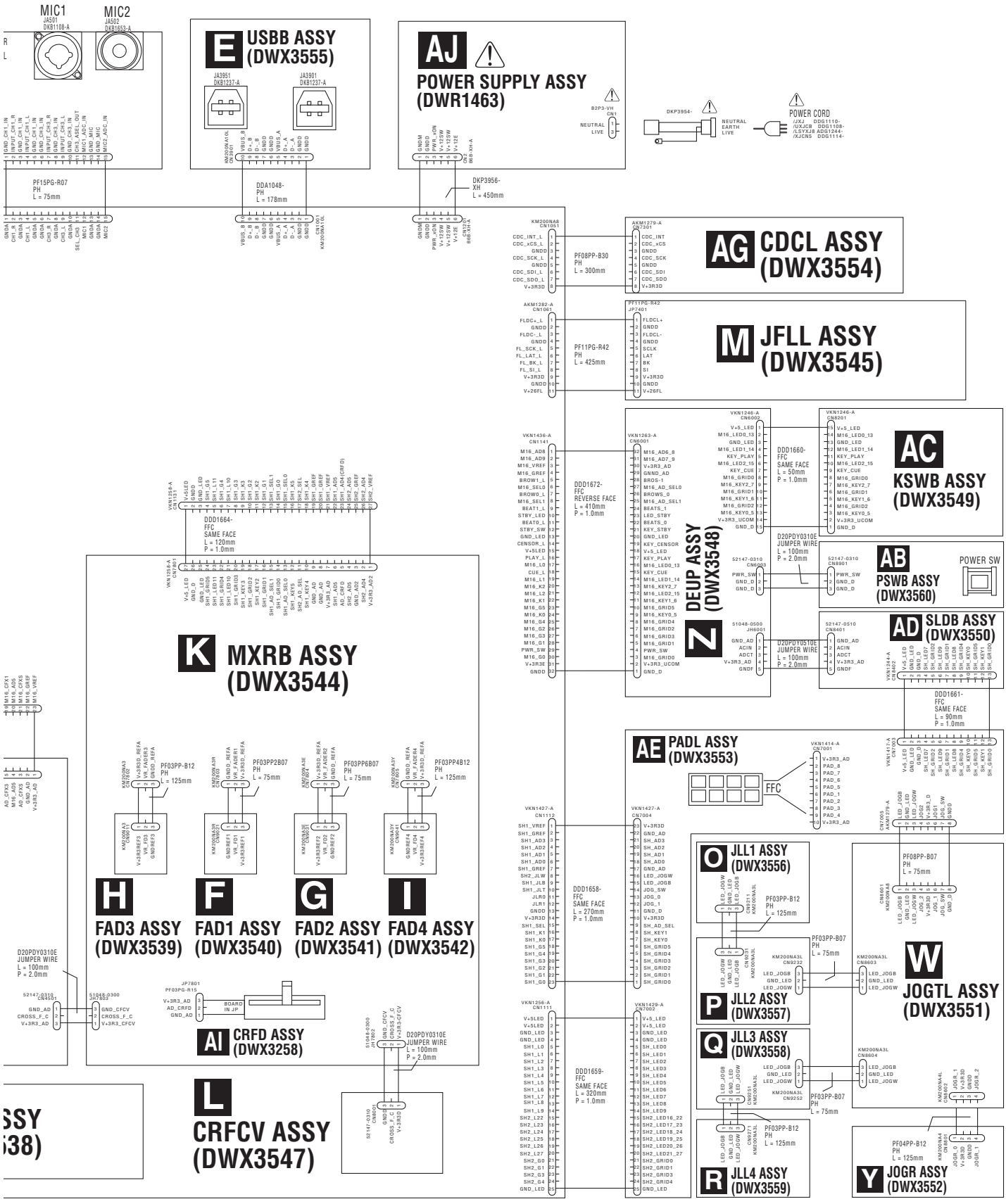
4.1 OVERALL WIRING DIAGRAM

- 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。

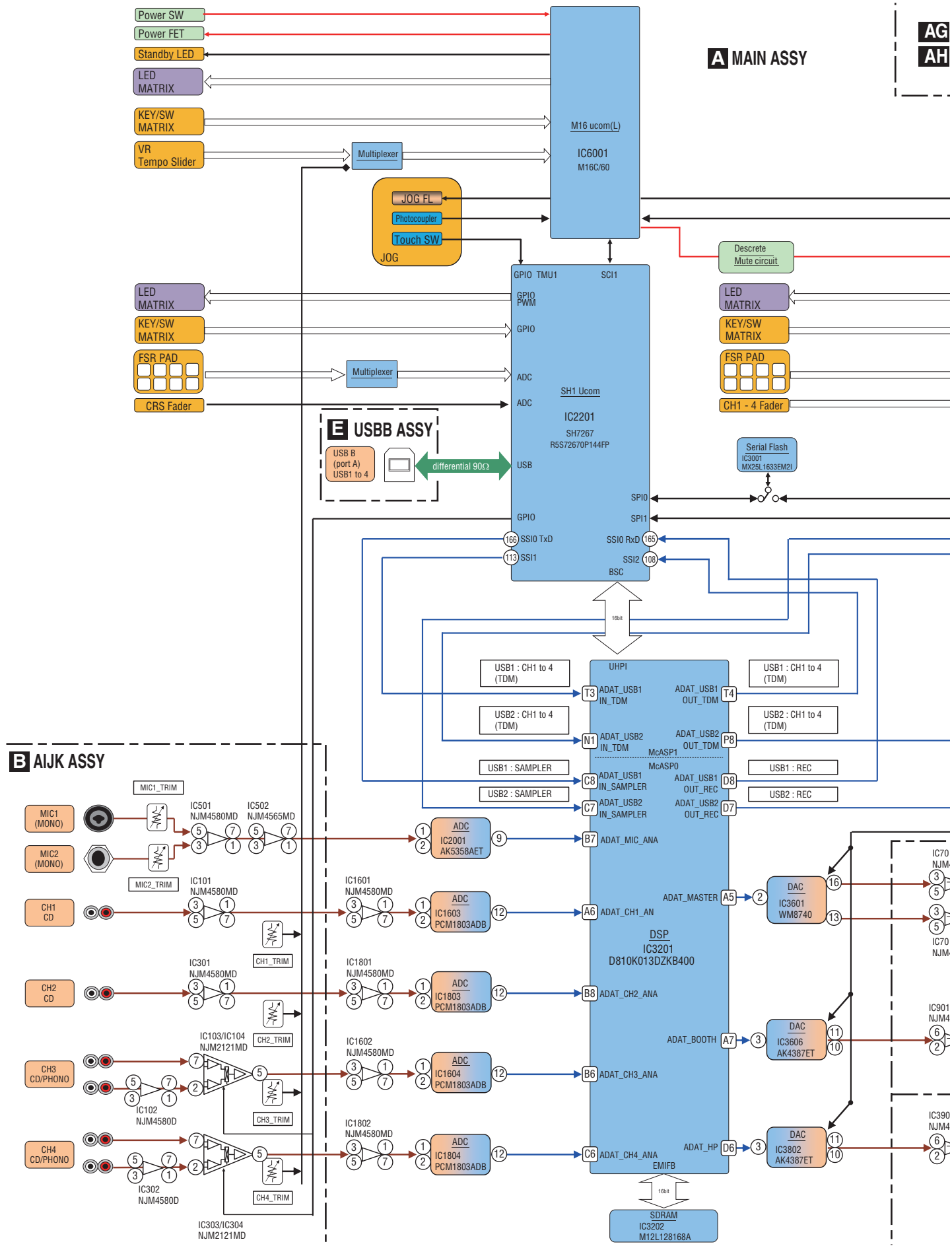


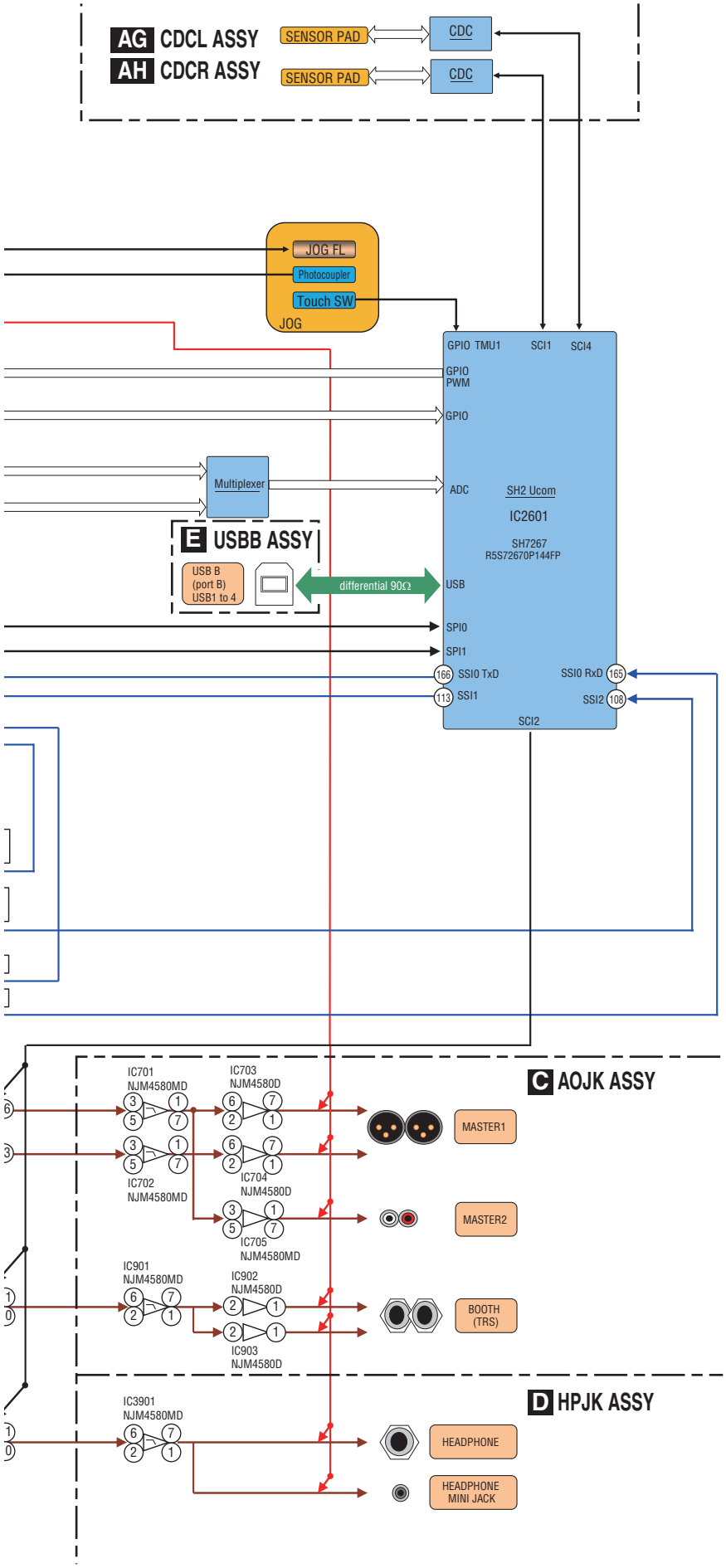
3/3)
NX3536)

- 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.

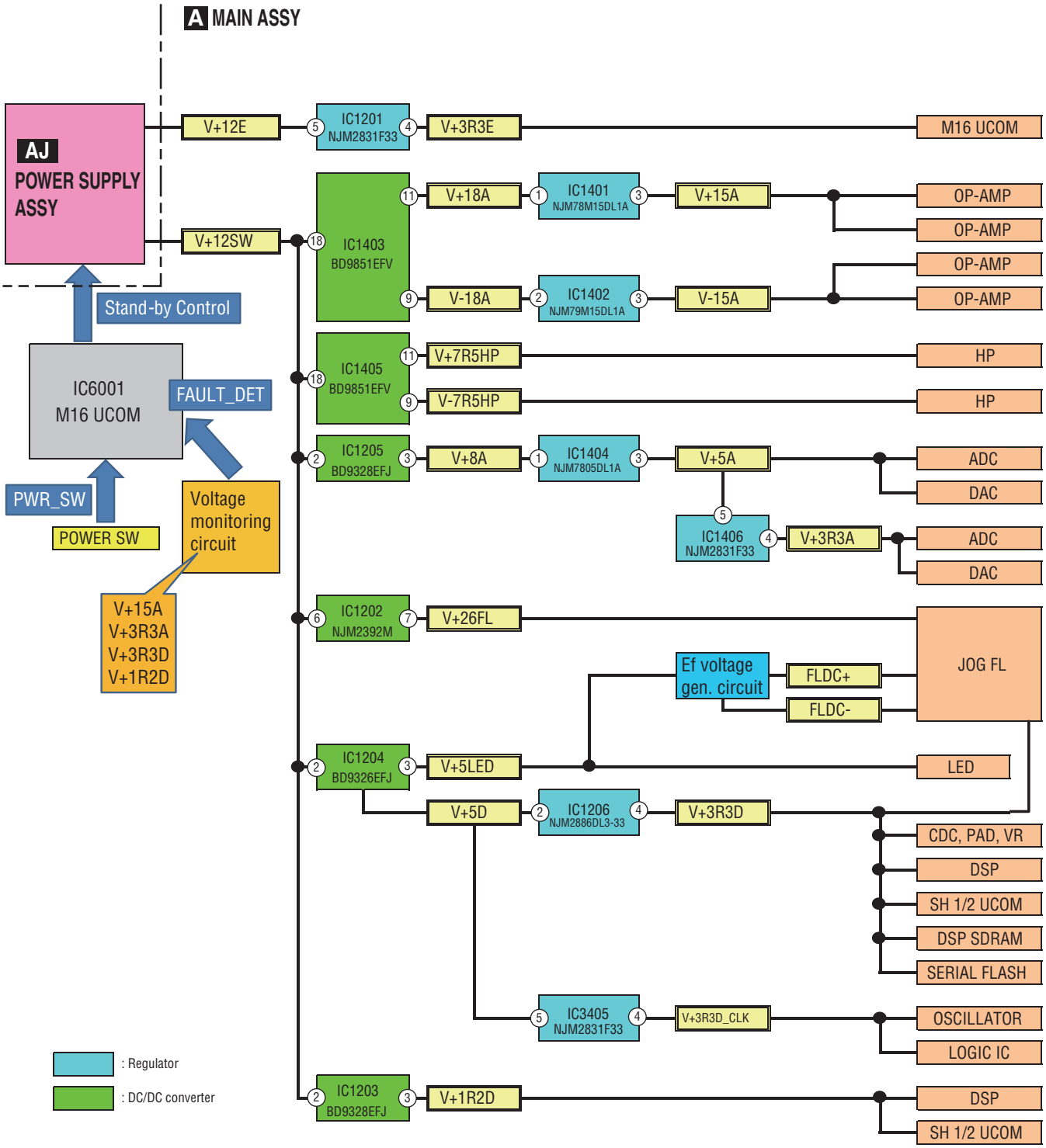


4.2 OVERALL BLOCK DIAGRAM




AG CDCL ASSY
AH CDCR ASSY
SENSOR PAD
CDC
SENSOR PAD
CDC
JOG FL
Photocoupler
Touch SW
JOG
GPIO TMU1
SCI1
SCI4
GPIO PWM
GPIO
Multiplexer
ADC
SH2 Ucom
IC2601
SH7267
R5S72670P144FP
E USBB ASSY
USB B (port B) USB1 to 4
differential 90Ω
USB
SPI0
SPI1
166 SSI0 TxD
113 SSI1
SSI0 RxD 165
SSI2 108
SCI2
C AOJK ASSY
IC701 NJM4580MD
IC703 NJM4580D
IC702 NJM4580MD
IC704 NJM4580D
IC705 NJM4580MD
MASTER1
MASTER2
IC901 NJM4580MD
IC902 NJM4580D
IC903 NJM4580D
BOOTH (TRS)
D HPJK ASSY
IC3901 NJM4580MD
HEADPHONE
HEADPHONE MINI JACK

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

• 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

• SH2

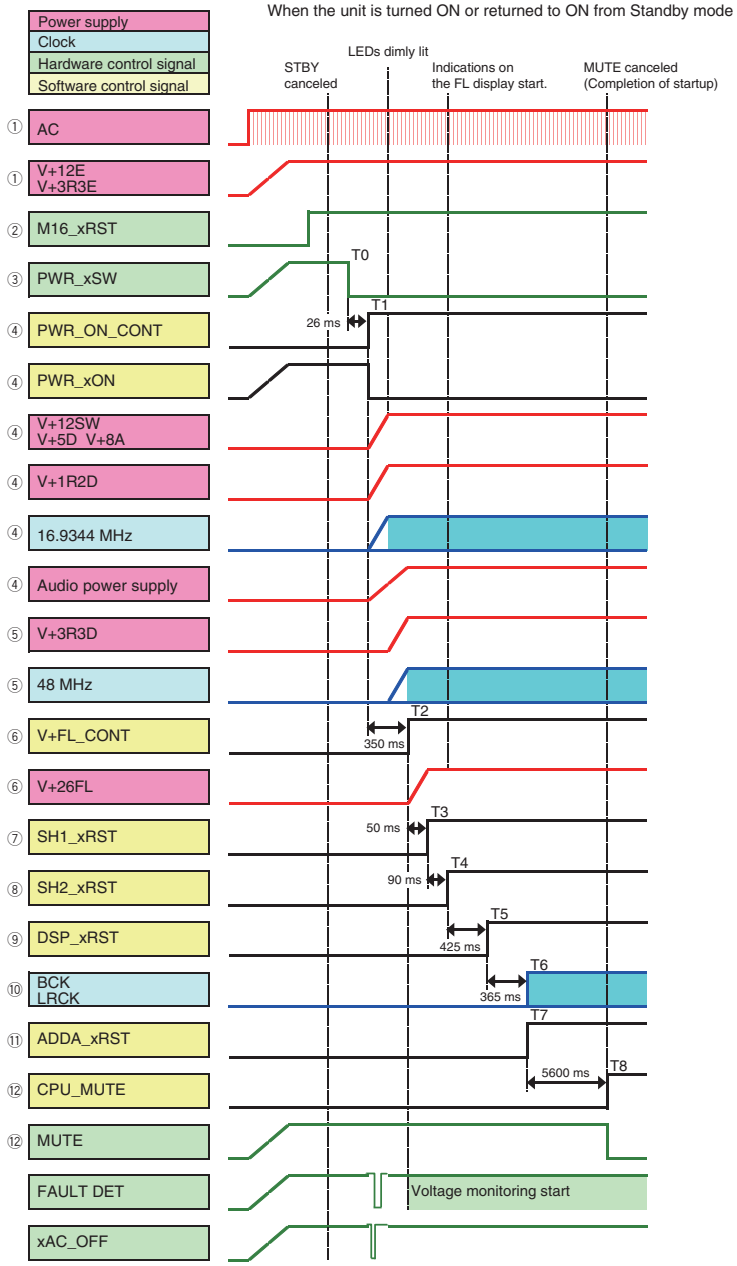
Pin No.	Signal Name	Route	VR point
64 pin	SH2_AD0	Multiplexer SEL_AD_SH2	PAD_R5
			PAD_R6
65 pin	SH2_AD1		PAD_R7
			PAD_R8
66 pin	SH2_AD2		PAD_R1
			PAD_R2
67 pin	SH2_AD3		PAD_R3
			PAD_R4
69 pin	SH2_AD4	Multiplexer SEL_AD_SH2	CH3_FD
			CH1_FD
71 pin	SH2_AD5		CH2_FD
			CH4_FD

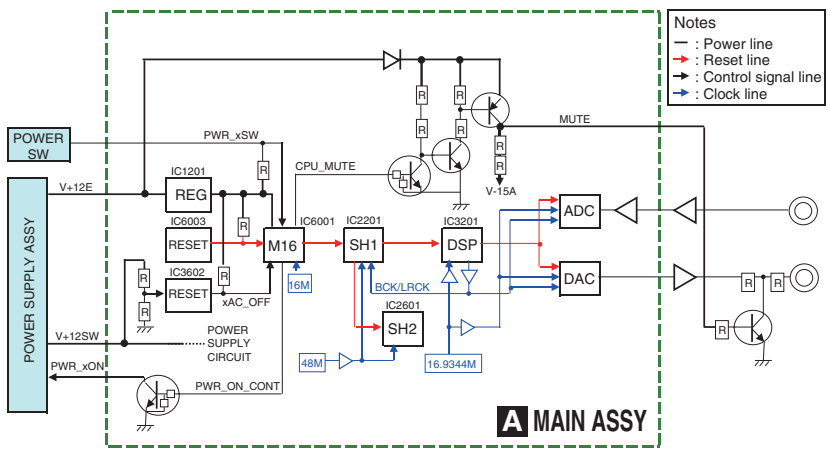
• M16

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

① Plug the power cord in to start power supply.
Supply of V+12E and V+3R3E power starts. Muting ON
② M16 microcomputer reset is canceled when the Reset IC voltage is detected.
(Standby mode)
③ The PWX_xSW signal changes from H to L when the Power switch is set to ON.
④ 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.
⑤ Supply of V+3R3D power is automatically triggered by supply of V+1R2D power.
Oscillation at 48 MHz starts.
⑥ Supply of V+26FL power starts when the V+FL_CONT signal changes from L to H.
⑦ SH1 microcomputer reset is canceled when the SH1_xRST signal changes from L to H.
⑧ SH2 microcomputer reset is canceled when the SH2_xRST signal changes from L to H.
⑨ DSP reset is canceled when the DSP_xRST signal changes from L to H.
⑩ Generation of the audio clock signals (BCK and LRCK) is started at DSP.
⑪ ADC & DAC reset is canceled when the ADDA_xRST signal changes from L to H.
⑫ 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

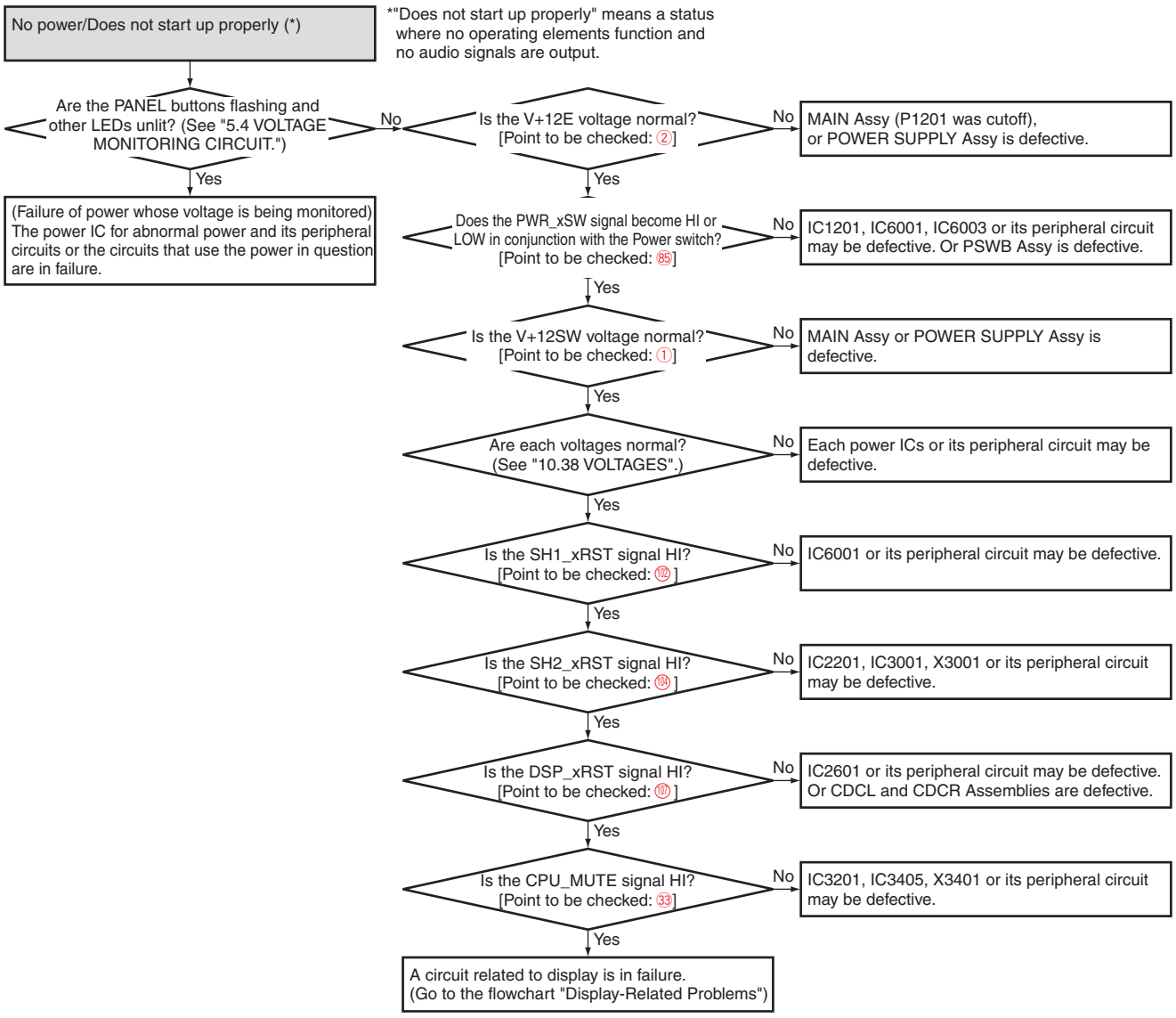
Display-Related Problems
- The LEDs do not light.
- No or abnormal FL display indications

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

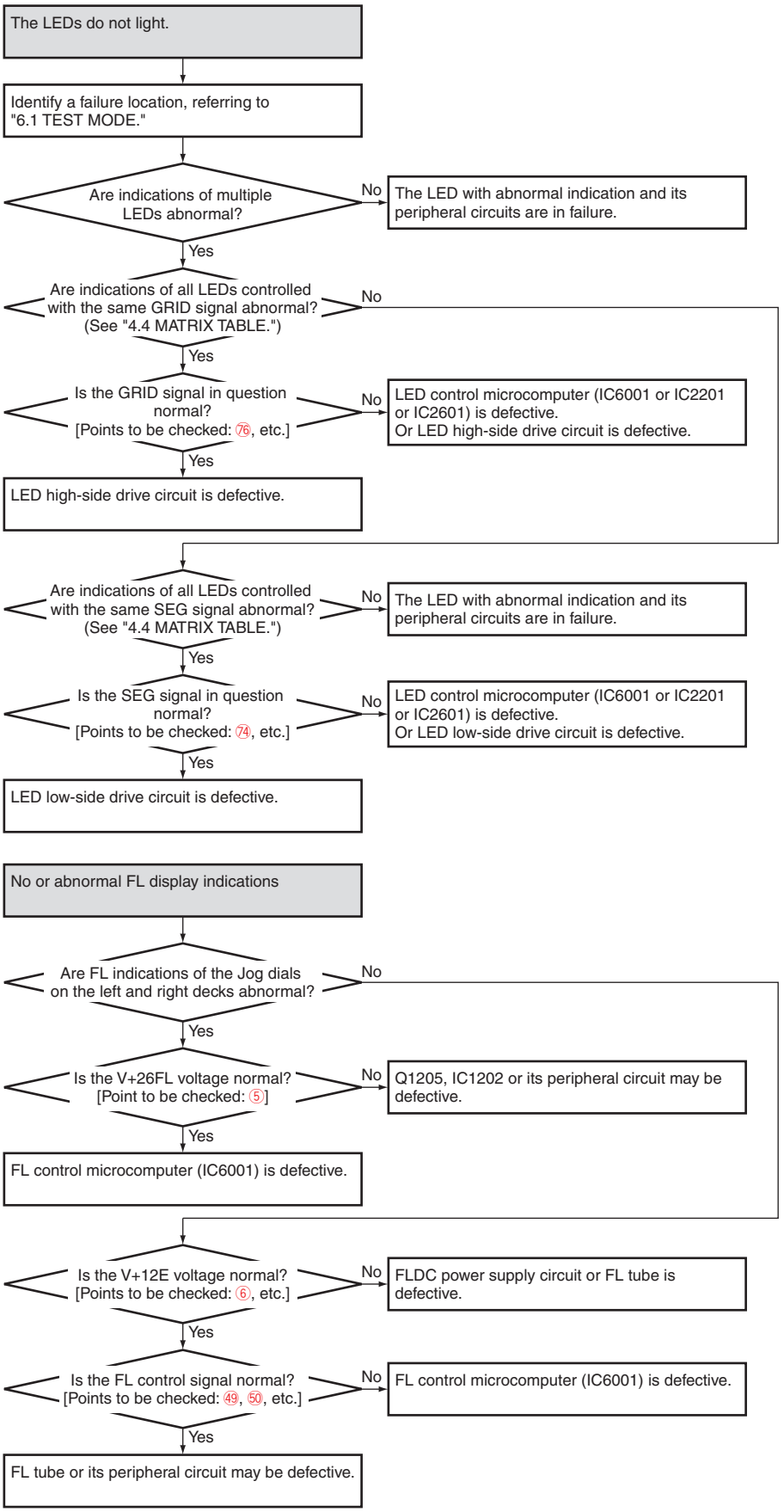
Audio-Related Problems
- No audio signals from the CH audio input connectors are available.
- No audio signals from the MIC connectors are available.
- No audio signals are output from the MASTER 1/ MASTER 2 connectors.
- No audio signals are output from the BOOTH connector.
- No audio signals are output 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.

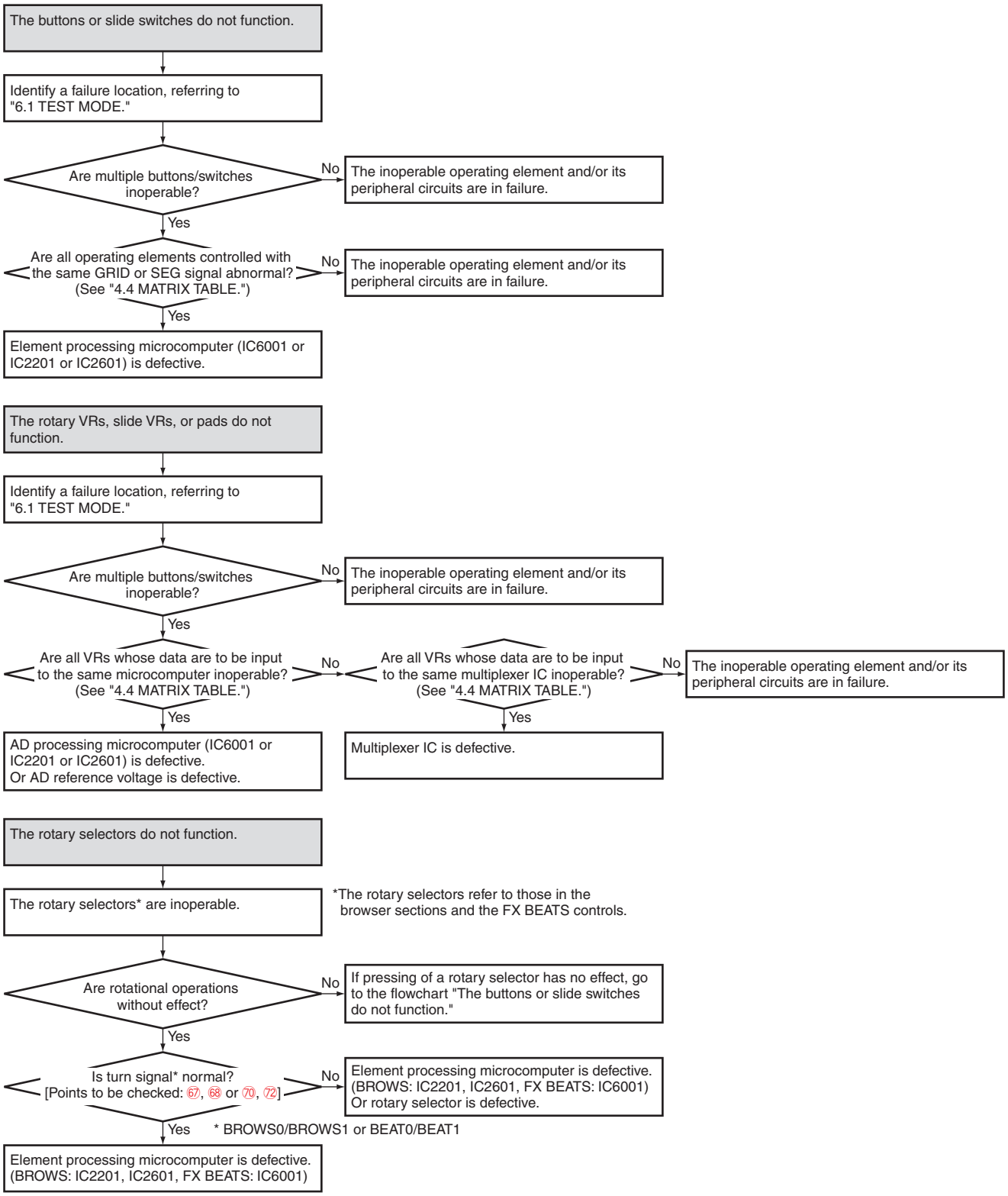
Startup-Related Problems

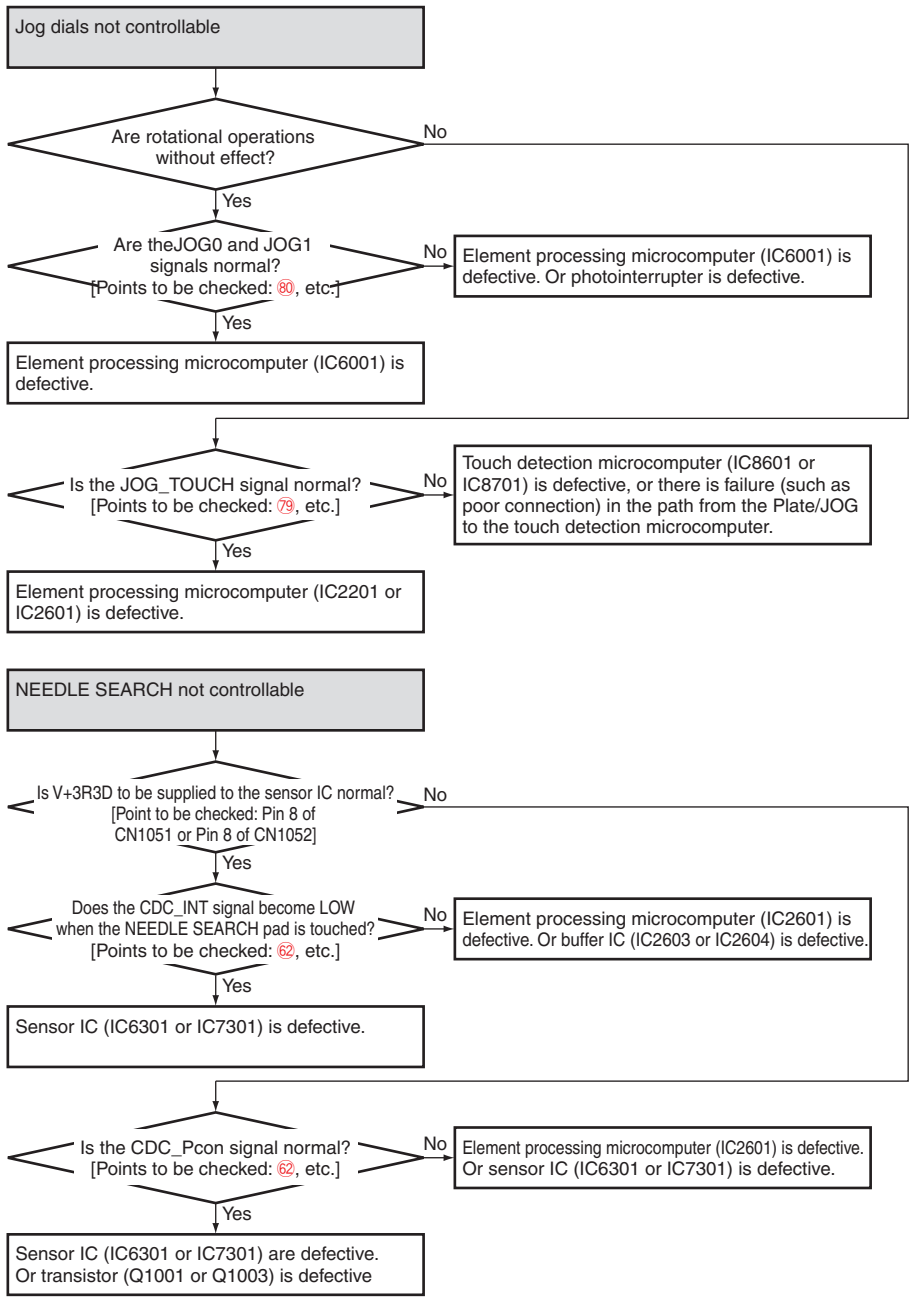


Display-Related Problems



Operation-Related Problems




Jog dials not controllable
Are rotational operations without effect?
No
Yes
Are theJOG0 and JOG1 signals normal? [Points to be checked: 80, etc.]
No
Element processing microcomputer (IC6001) is defective. Or photointerrupter is defective.
Yes
Element processing microcomputer (IC6001) is defective.
Is the JOG_TOUCH signal normal? [Points to be checked: 79, etc.]
No
Touch detection microcomputer (IC8601 or IC8701) is defective, or there is failure (such as poor connection) in the path from the Plate/JOG to the touch detection microcomputer.
Yes
Element processing microcomputer (IC2201 or IC2601) is defective.
NEEDLE SEARCH not controllable
Is V+3R3D to be supplied to the sensor IC normal? [Point to be checked: Pin 8 of CN1051 or Pin 8 of CN1052]
No
Yes
Does the CDC_INT signal become LOW when the NEEDLE SEARCH pad is touched? [Points to be checked: 62, etc.]
No
Element processing microcomputer (IC2601) is defective. Or buffer IC (IC2603 or IC2604) is defective.
Yes
Sensor IC (IC6301 or IC7301) is defective.
Is the CDC_Pcon signal normal? [Points to be checked: 62, etc.]
No
Element processing microcomputer (IC2601) is defective. Or sensor IC (IC6301 or IC7301) is defective.
Yes
Sensor IC (IC6301 or IC7301) are defective. Or transistor (Q1001 or Q1003) is defective

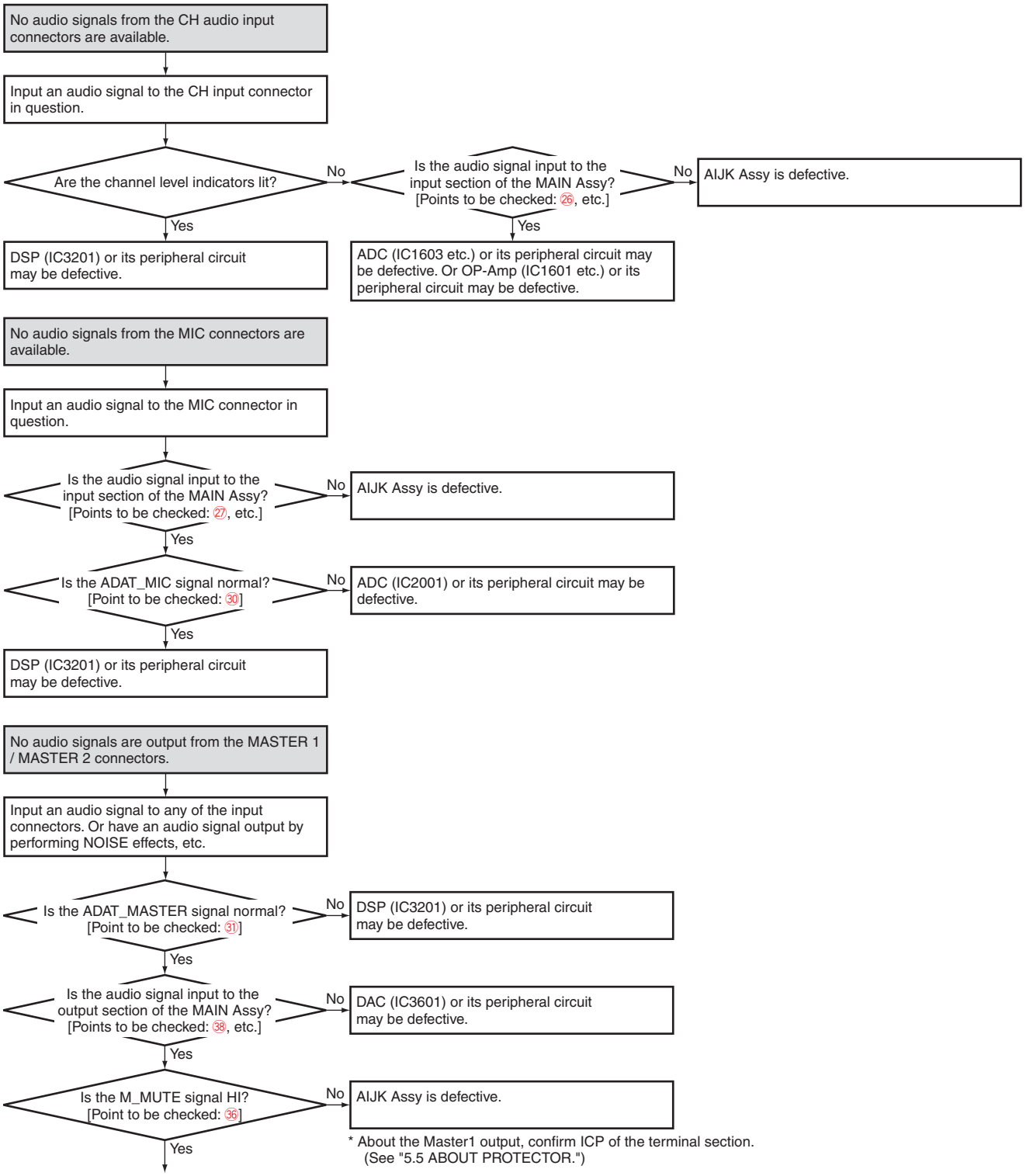
Audio-Related Problems

[Prior Confirmation]

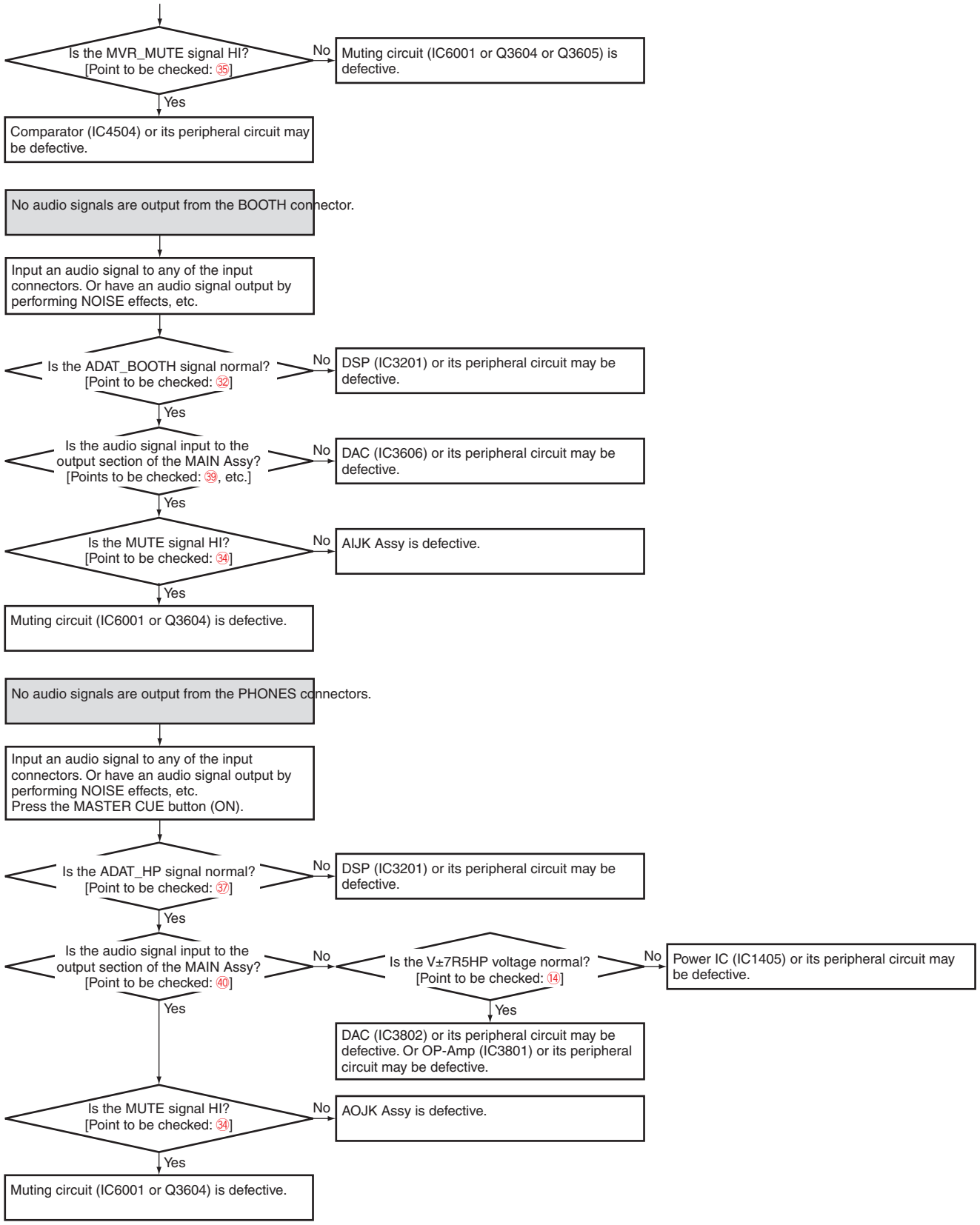
① Distinguishing in which section, input or output, a failure point is located
Identify in which section, input or output, a failure point is located, referring to "5.3 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL."

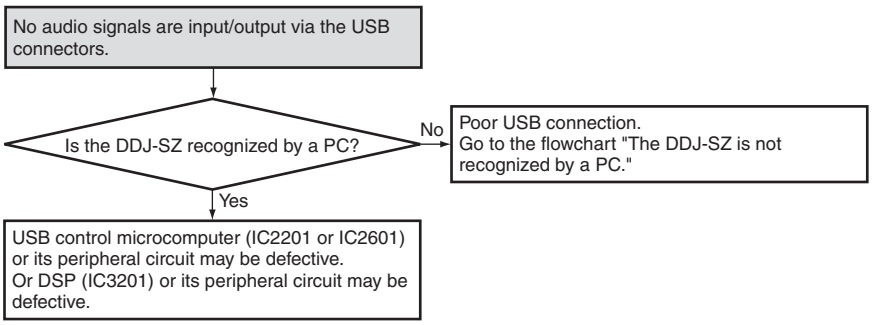
Note: If no inputs or outputs are available, audio-system power, the audio-system clock, or DSP or its peripheral circuits may be in failure.

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.")

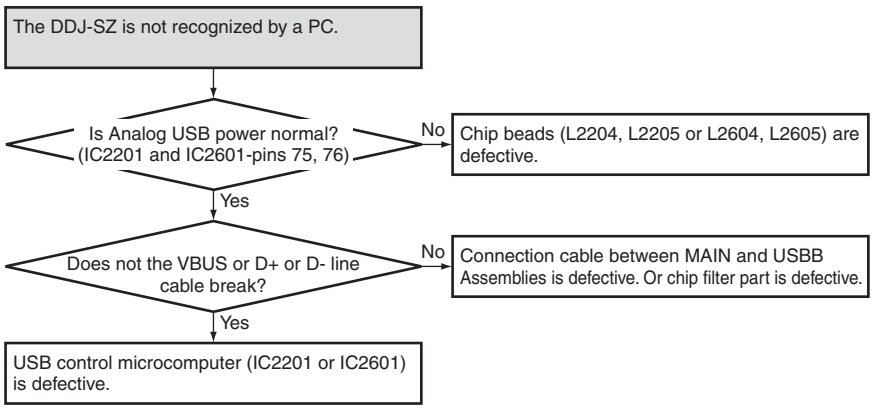


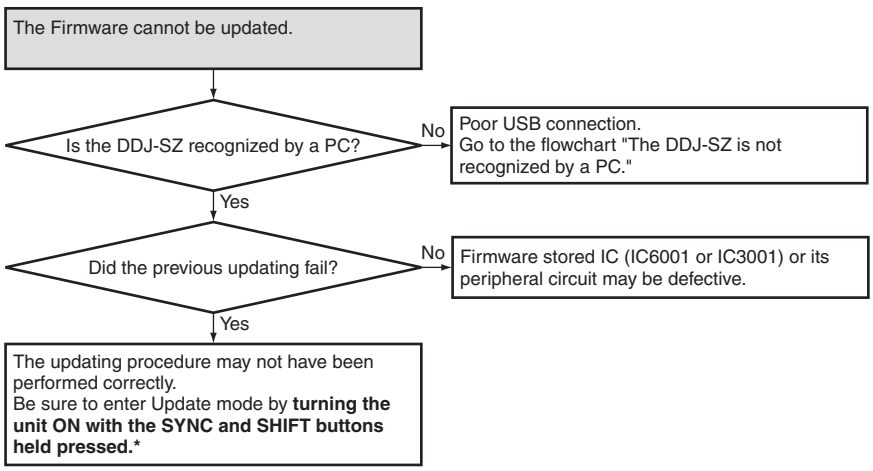
* About the Master1 output, confirm ICP of the terminal section. (See "5.5 ABOUT PROTECTOR.")


Is the MVR_MUTE signal HI?
[Point to be checked: 35]
No
Muting circuit (IC6001 or Q3604 or Q3605) is defective.
Yes
Comparator (IC4504) or its peripheral circuit may be defective.
No audio signals are output from the BOOTH connector.
Input an audio signal to any of the input connectors. Or have an audio signal output by performing NOISE effects, etc.
Is the ADAT_BOOTH signal normal?
[Point to be checked: 32]
No
DSP (IC3201) or its peripheral circuit may be defective.
Yes
Is the audio signal input to the output section of the MAIN Assy?
[Points to be checked: 39, etc.]
No
DAC (IC3606) or its peripheral circuit may be defective.
Yes
Is the MUTE signal HI?
[Point to be checked: 34]
No
AIJK Assy is defective.
Yes
Muting circuit (IC6001 or Q3604) is defective.
No audio signals are output from the PHONES connectors.
Input an audio signal to any of the input connectors. Or have an audio signal output by performing NOISE effects, etc.
Press the MASTER CUE button (ON).
Is the ADAT_HP signal normal?
[Point to be checked: 37]
No
DSP (IC3201) or its peripheral circuit may be defective.
Yes
Is the audio signal input to the output section of the MAIN Assy?
[Point to be checked: 40]
No
Is the V±7R5HP voltage normal?
[Point to be checked: 14]
No
Power IC (IC1405) or its peripheral circuit may be defective.
Yes
DAC (IC3802) or its peripheral circuit may be defective. Or OP-Amp (IC3801) or its peripheral circuit may be defective.
Yes
Is the MUTE signal HI?
[Point to be checked: 34]
No
AOJK Assy is defective.
Yes
Muting circuit (IC6001 or Q3604) is defective.



PC-Connection-Related Problems





*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.

5.3 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL

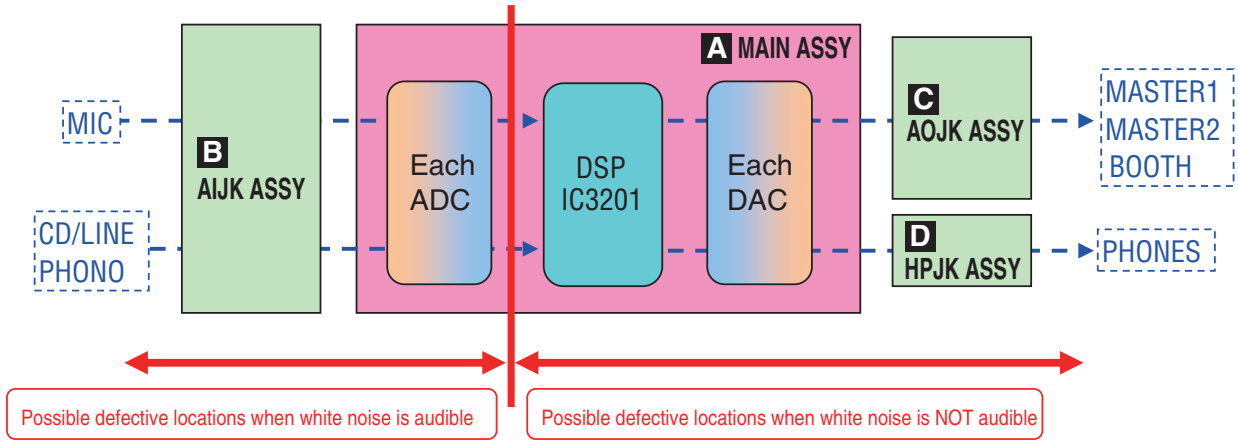
Simplified diagnostics for the audio signal blocks are possible, using the NOISE effect functions of this unit, as shown below.

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 –∞ 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

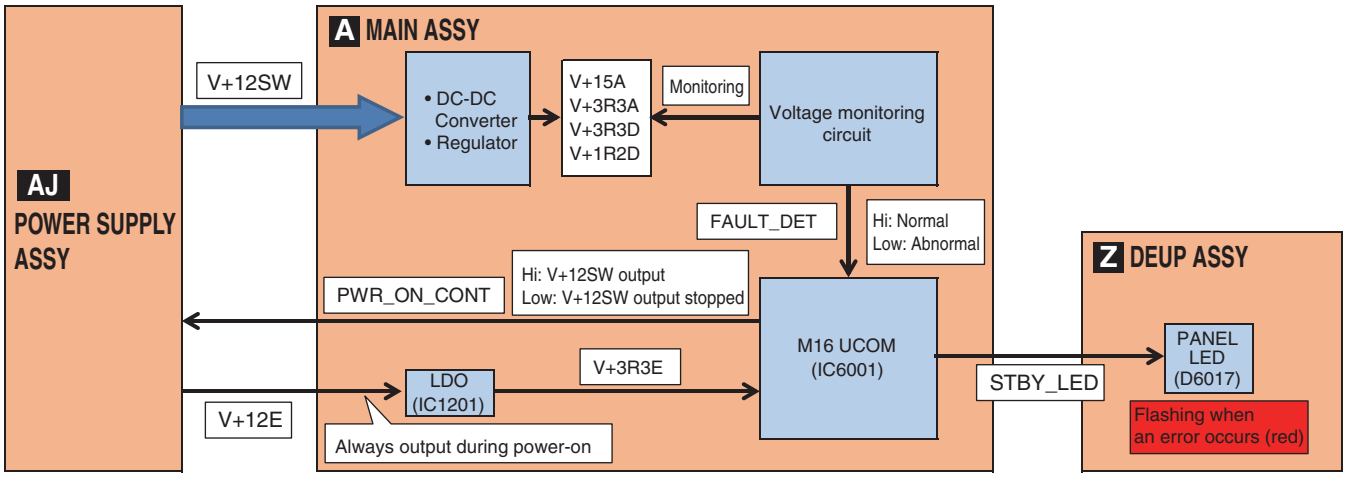
This unit monitors the voltages of the main power-supply ICs, using the FAULT_DET signal.
The FAULT_DET signal level is high (+3.3 V) during normal operations. When the level becomes low (0 V), detect abnormality in the M16 UCOM (IC6001).

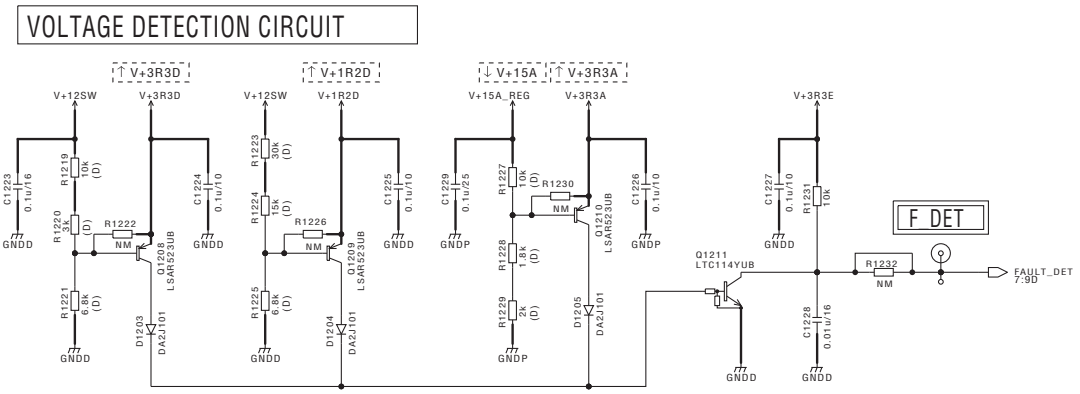
■ Product behavior when an error is generated

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.





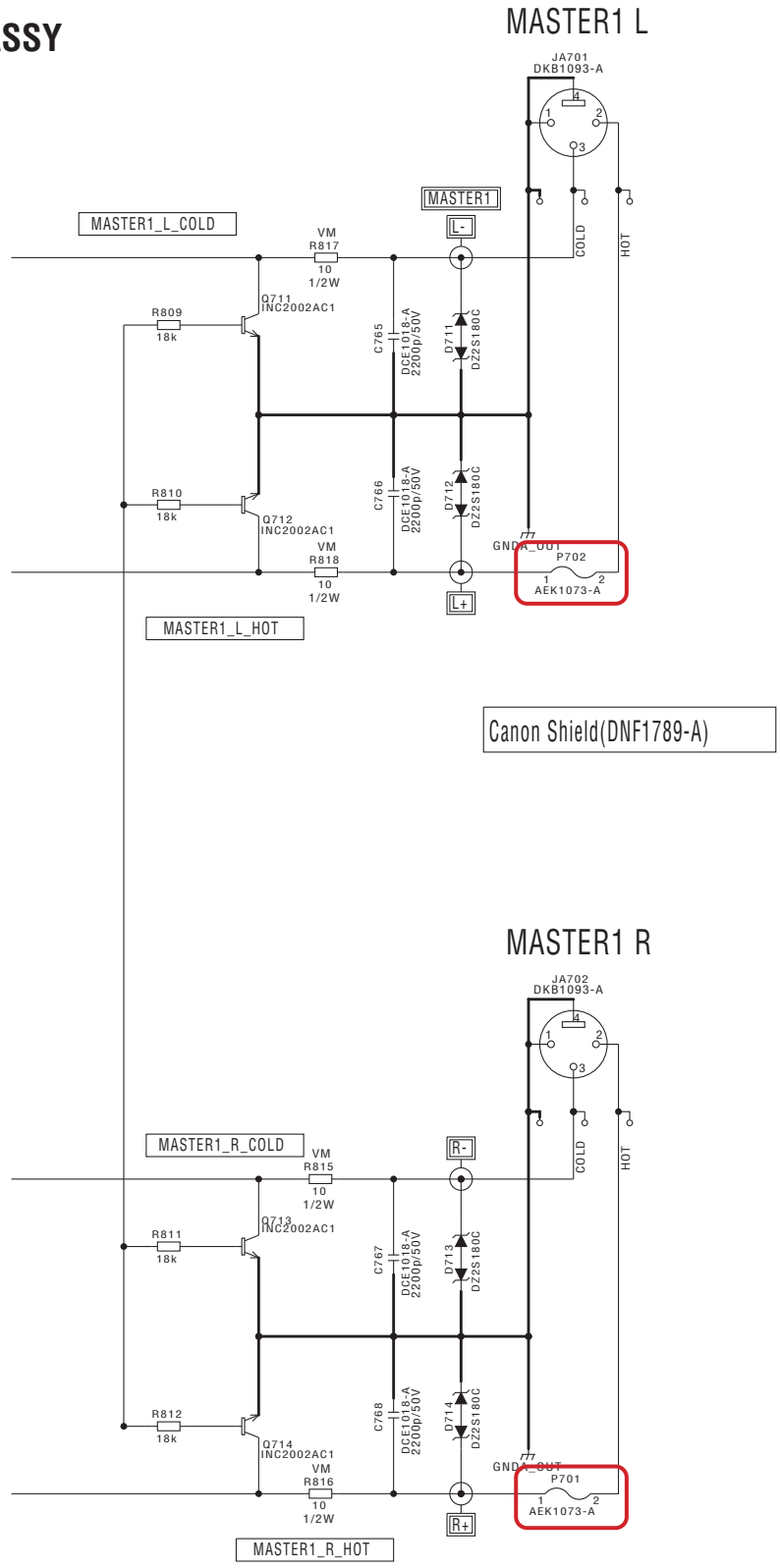
■ Voltage value of the voltage-monitoring section

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

[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
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
		2 GB or more of RAM
	64-bit version	Intel® processor, Core™ i3, i5 and i7 1.07 GHz or better, Intel® processor, Core™ 2 Duo 2.4 GHz or better
		4 GB or more of RAM
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
		2 GB or more of RAM
	64-bit version	Intel® processor, Core™ i3, i5 and i7 1.07 GHz or better, Intel® processor, Core™ 2 Duo 2.4 GHz or better
		4 GB or more of RAM

Others	
Optical drive	Optical disc drive on which the CD-ROM can be read
USB port	A USB 2.0 port is required to connect the computer with this unit.
Display resolution	Resolution of 1 280 x 720 or greater
Internet connection	An Internet connection is required for registering the "Serato.com" user account and downloading the software.

- 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.

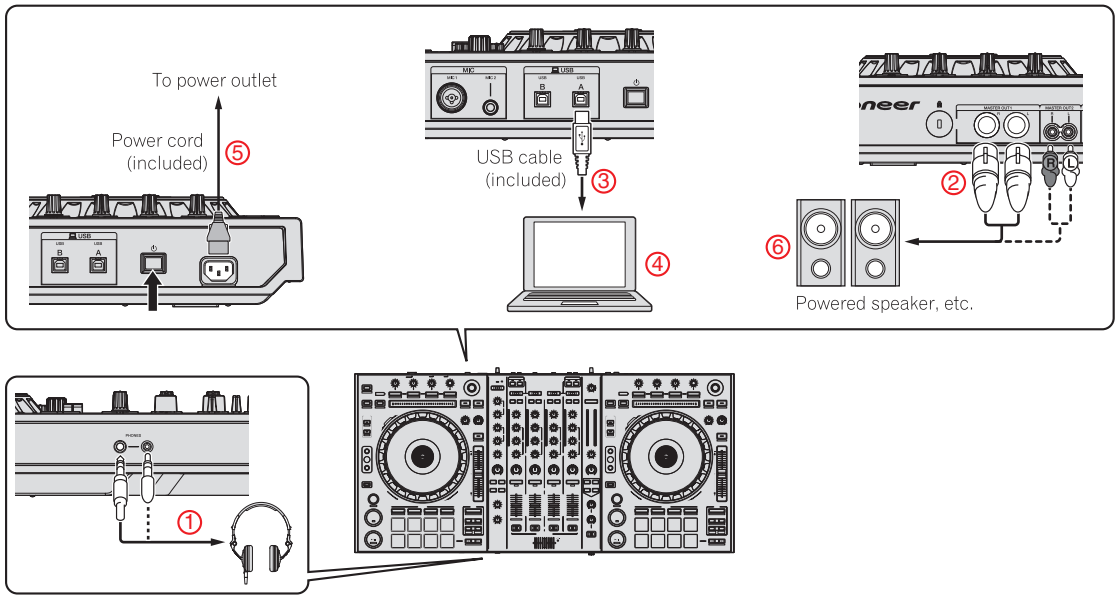
Windows

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.).

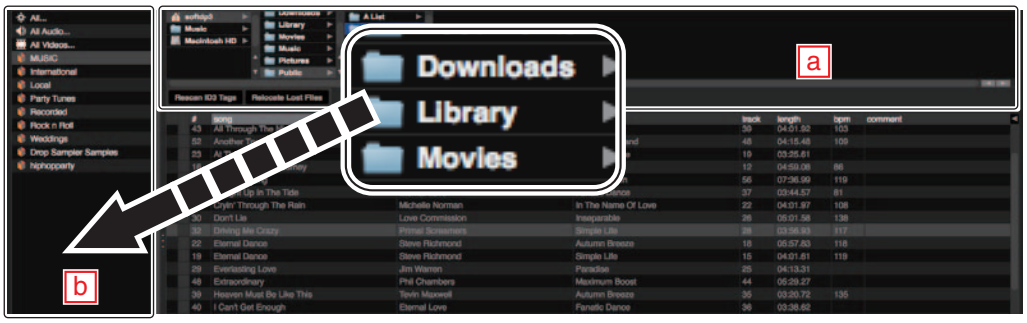
Starting the system

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

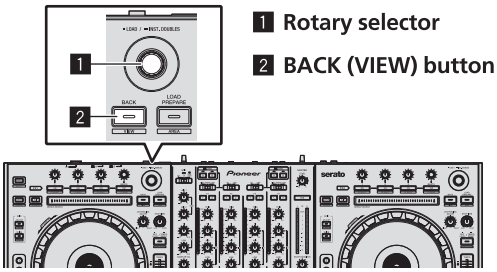
① Click the [Files] key on the Serato DJ software screen to open the [Files] panel.
② Click the folder on the [Files] panel containing the tracks you want to add to the library to select it.
③ On the Serato DJ software screen, drag and drop the selected folder to the crates panel.



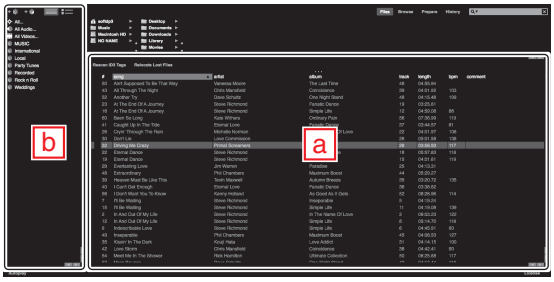
a [a] : [Files] panel
[b] : Crates panel

Loading tracks and playing them

① 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.
② Press the rotary selector, move the cursor to the library on the computer’ s screen, then turn the rotary selector and select the track.
③ Press the [DECK1] button.
④ Press the rotary selector to load the selected track onto the deck.



1 Rotary selector
2 BACK (VIEW) button



b

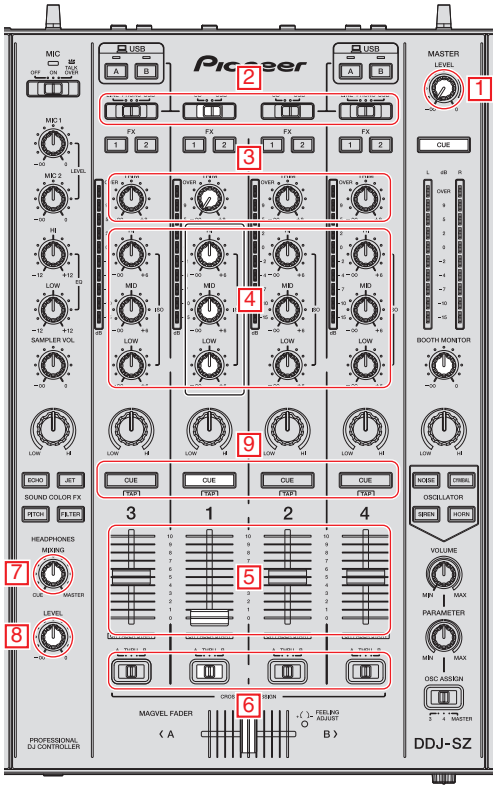
a

a : Library
b : Crates panel

Playing tracks and outputting the sound

① 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



② Press the [►/❚❚] button to play the track.
③ Move the channel fader (5) away from you.
④ Turn the [TRIM] (3) control.
Adjust [TRIM] (3) so that the orange indicator on the channel level indicator lights at the peak level.
⑤ 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

① Press the headphones [CUE] (9) button for the channel 1.
② Turn the [HEADPHONES LEVEL] (8) control.
Adjust the sound level output from the headphones to an appropriate level.

6. SERVICE MODE
6.1 TEST MODE

1. Description of Test Modes

The Following test modes are provided for this unit:

① Test Mode

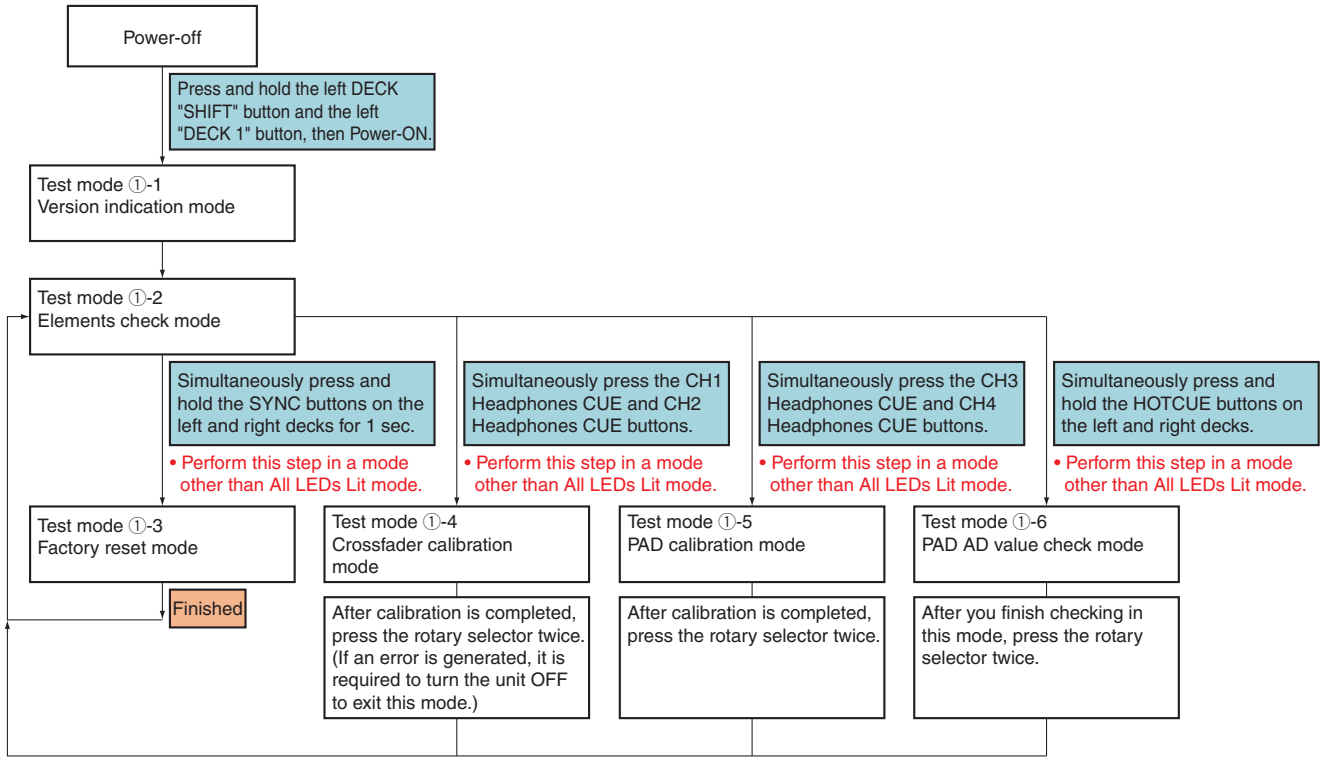
①-1: Version indication mode
①-2: Elements check mode
①-3: Factory reset mode
①-4: Crossfader calibration mode
①-5: PAD calibration mode
①-6: PAD AD value check mode

② Measurement Mode

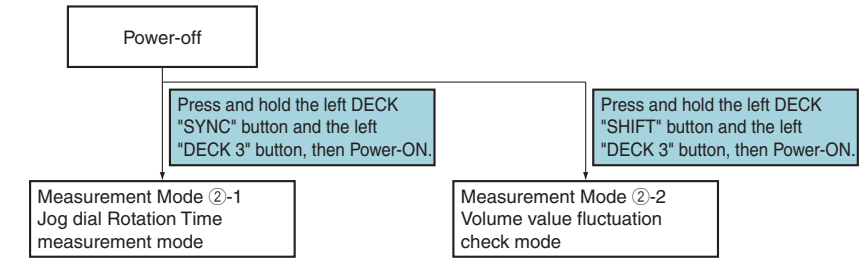
②-1: Jog dial Rotation Time measurement mode
②-2: Volume value fluctuation check mode

2. How to Enter Test Mode

[How to Enter Test Mode]



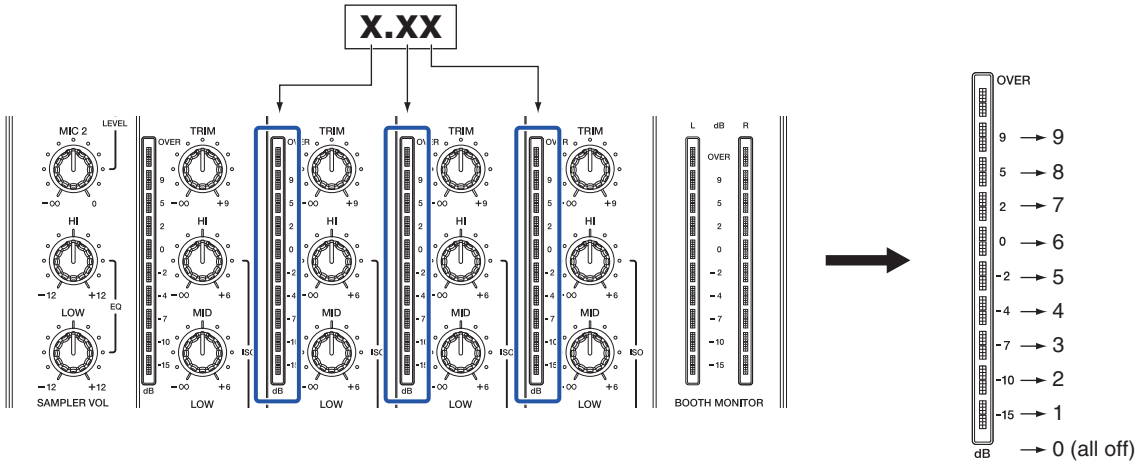
[How to Enter Measurement Mode]



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

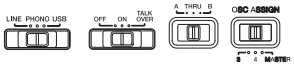
This mode is for confirming operation of all operating elements located on the upper and front panels.
As data on the following operating elements are not controlled by the microcomputer, their operation cannot be checked in this mode.

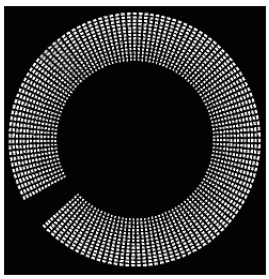
- JOG FEELING ADJUST control (L, R)
- MIC1 control, MIC2 control

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

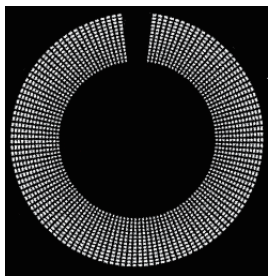
(*1) TYPE-A (Jog dial center FL)

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.

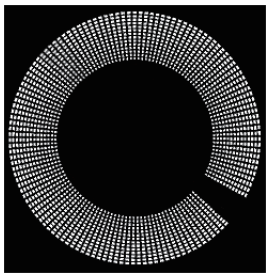




Left



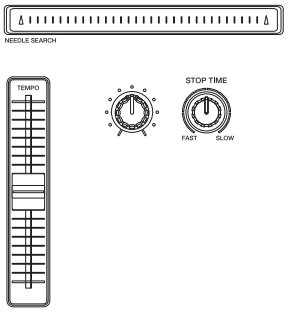
Center
(This indication is not available for a 2-position selector.)

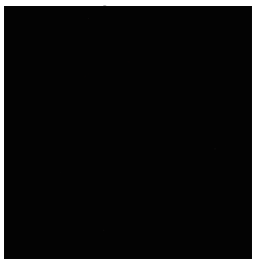


Right

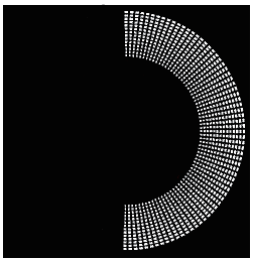
(*2) TYPE-B (Jog dial center FL)

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.

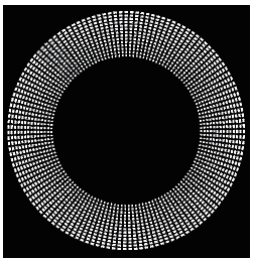




MIN
(No segments lit)



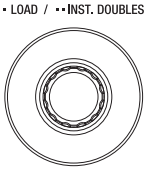
Center

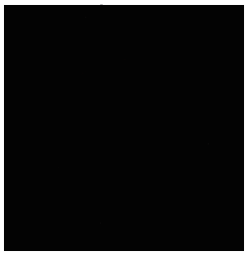


MAX

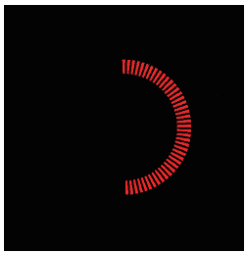
(*3) TYPE-C (Jog dial center FL)

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.

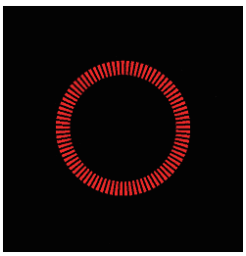




MIN
(No segments lit)



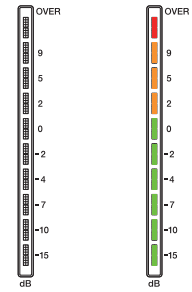
Center



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

(*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).

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.

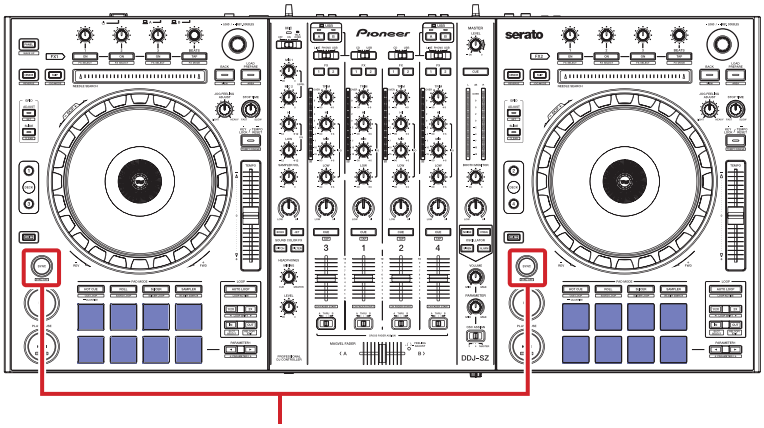
Unlit, red, green, blue, unlit, and so on.

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.



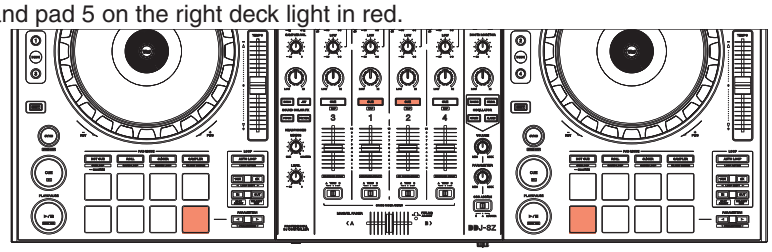
Simultaneously hold both SYNC buttons pressed for 1 sec.

①-4: Crossfader calibration mode

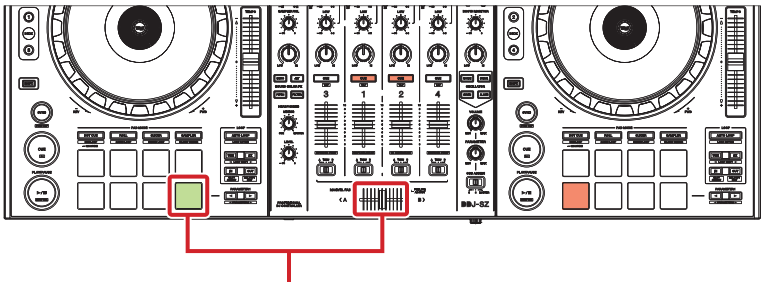
To enter Crossfader Calibration mode, simultaneously press the CH1 Headphones CUE and CH2 Headphones CUE buttons in Test mode (①-2: Elements Check mode).

[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.

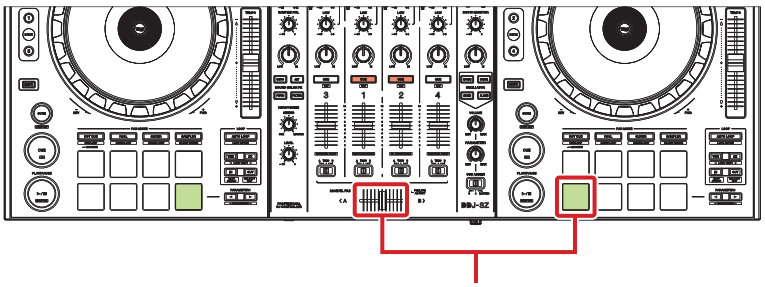


② Slide the crossfader to its leftmost position then press pad 8 on the left deck.
The color of pad 8 changes to green.
(The maximum value for the crossfader is obtained.)



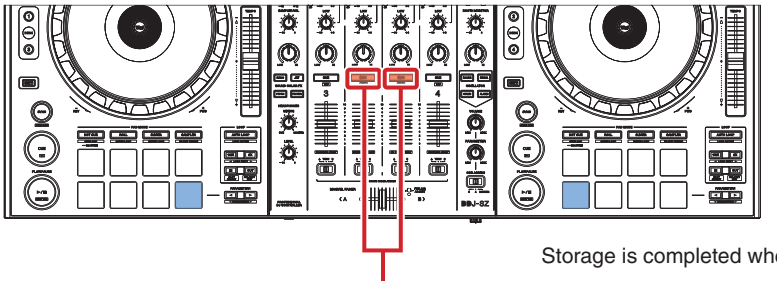
Slide the crossfader to its leftmost position then press pad 8 on the left deck.

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)

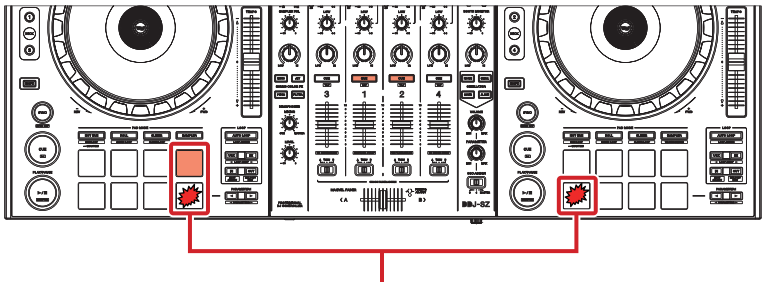


Storage is completed when the pad lighting turns blue.

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

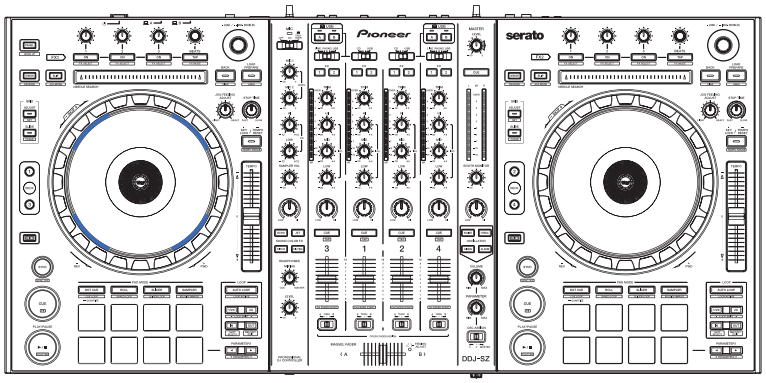
· If the CH1 Headphones CUE and CH2 Headphones CUE buttons are pressed without setting the maximum and minimum values, an error indication will be displayed.

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

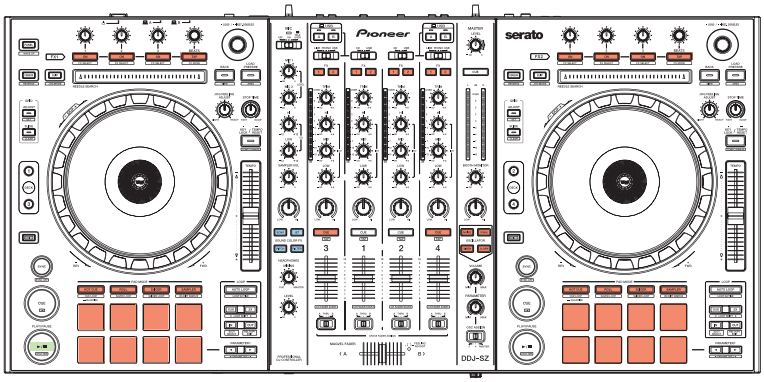
To enter Pad Calibration mode, simultaneously press the CH3 Headphones CUE and CH4 Headphones CUE buttons in Test mode (①-2: Elements Check mode).

[Operating elements to be used for Pad Calibration]

Element Name	Ppurpose	Element Name	Ppurpose
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		

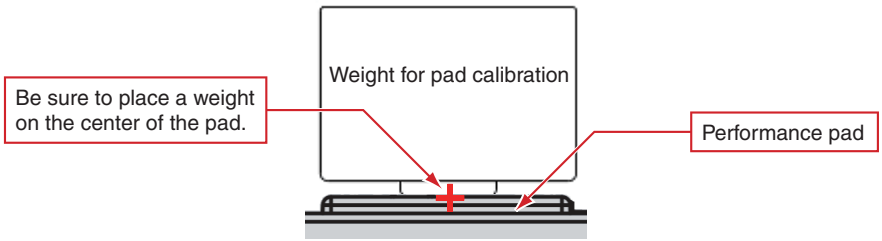
[Pad Calibration Procedure]

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.

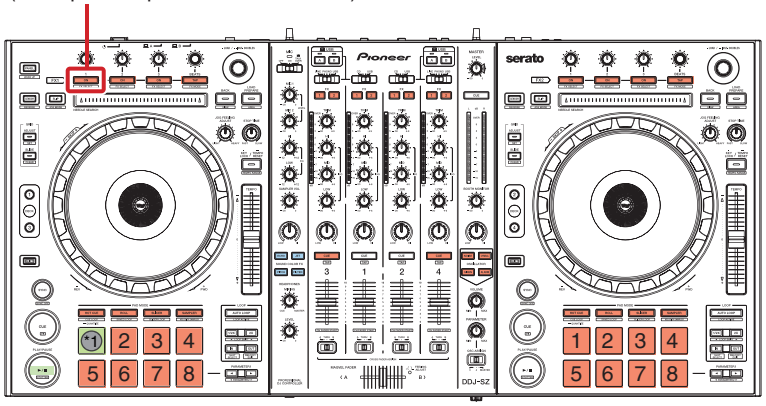
Note: To weigh a pad down, be sure to place a weight (12 mm dia.) on the center of the pad, with the convex part (contact area dia.: 10 mm) facing downward.



List of the buttons corresponding to the pads to be calibrated

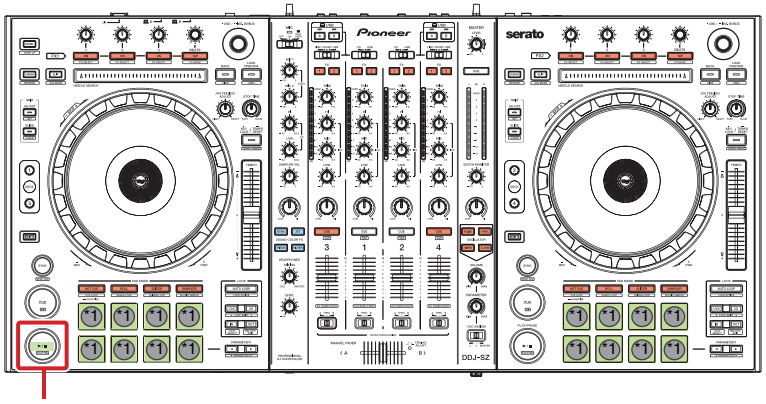
PAD	Button	PAD	Button
Left DECK PAD1	Left DECK Effect parameter 1 button	Right DECK PAD1	Right DECK Effect parameter 1 button
Left DECK PAD2	Left DECK Effect parameter 2 button	Right DECK PAD2	Right DECK Effect parameter 2 button
Left DECK PAD3	Left DECK Effect parameter 3 button	Right DECK PAD3	Right 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

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



*1: Weighting

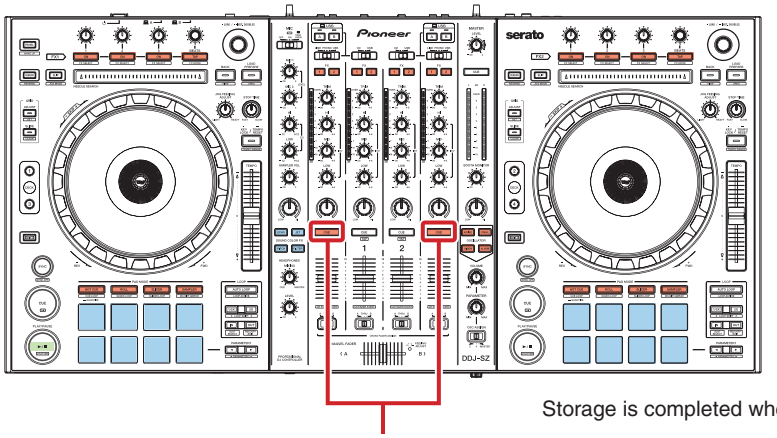
②-2 Simultaneous calibration of all pads (to be performed on the production line)
With all pads weighted down (by placing the weights on all pads), press the PLAY/PAUSE ►/❚❚ button on the left deck.
The color of the pads changes to green.
(The A/D values of the pads are obtained.)
If the A/D value of any of the pads is abnormal, that pad starts flashing in red.



*1: Weighting

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.

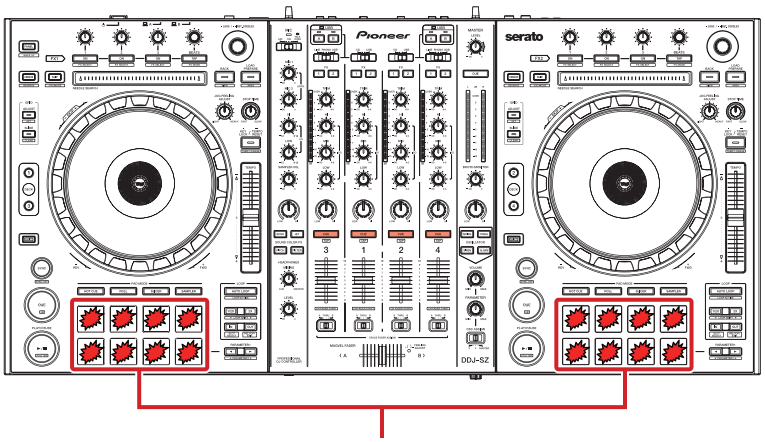


Storage is completed when the pad lighting turns blue.

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



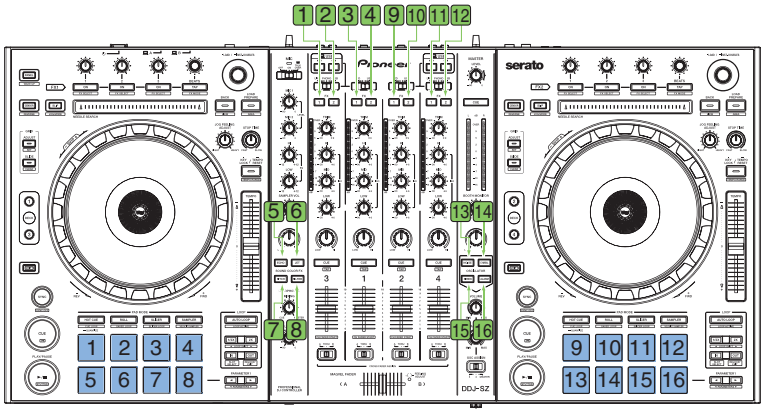
In a case of a setting error, the pads flash in red.

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.

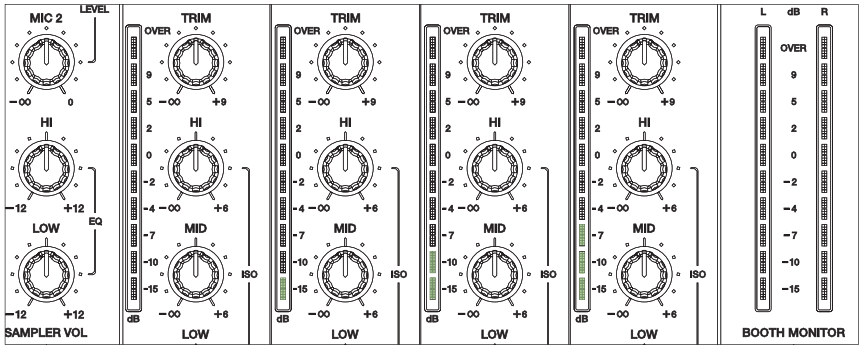
List of the buttons corresponding to the pads whose setting values are to be confirmed

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



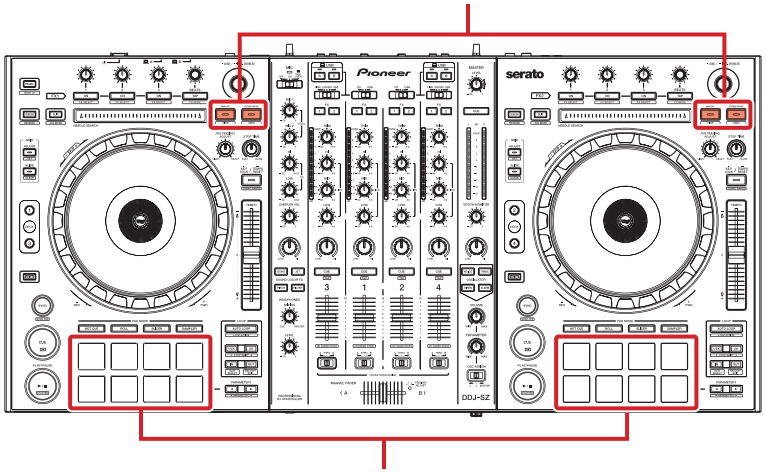
Indication example of the level indicators (when the setting value is 123)



[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.

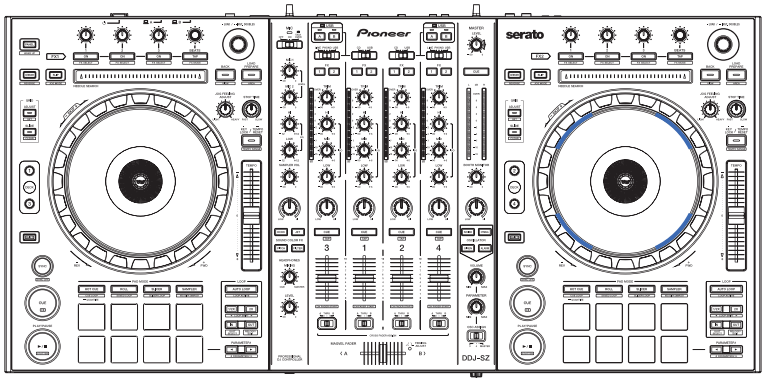
Simultaneous pressing of the BACK and LOAD PREPARE buttons on the left and right decks deletes the setting values stored in the serial flash memory.



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

[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.

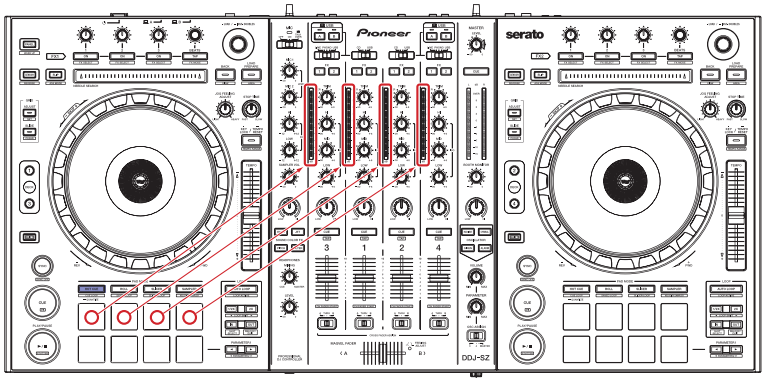
Operation procedure:

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

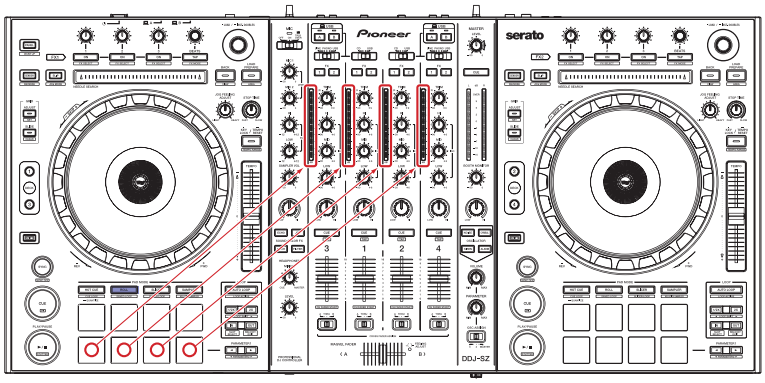
② Press the HOT CUE mode, ROLL mode, SLICER mode, or SAMPLER mode button on the left deck, depending on the pad to be checked.
HOT CUE mode : Pads 1 to 4 on the left deck
ROLL mode : Pads 5 to 8 on the left deck
SLICER mode : Pads 1 to 4 on the right deck
SAMPLER mode : Pads 5 to 8 on the right deck

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

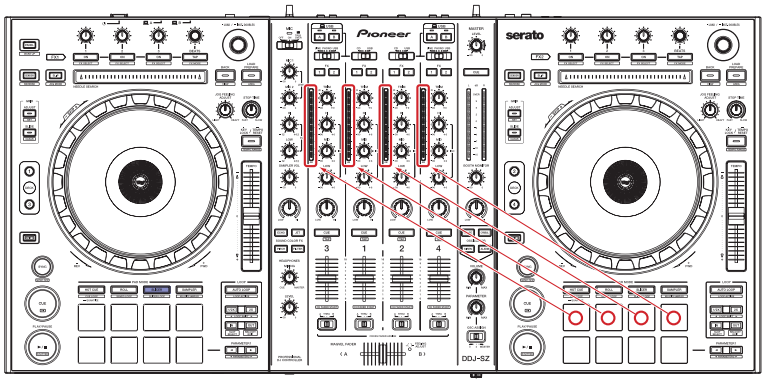
[HOTCUE]



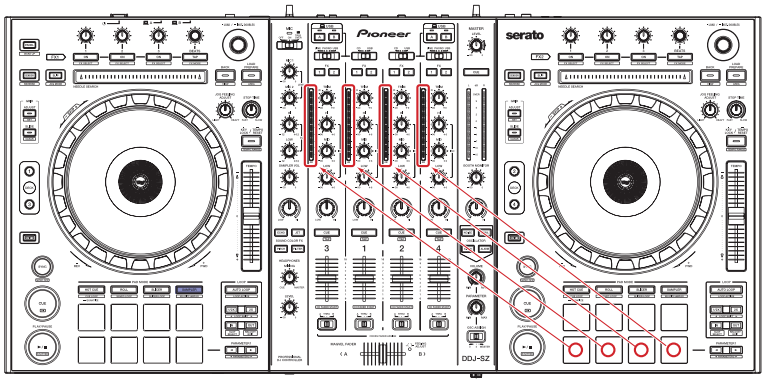
[ROLL]



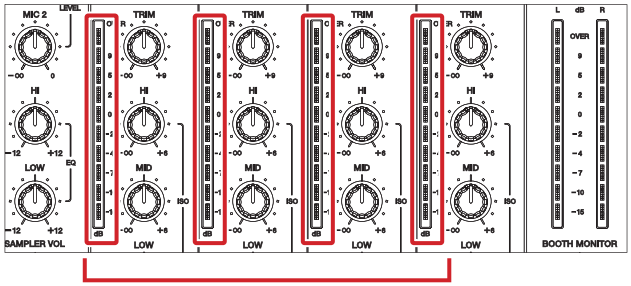
[SLICER]



[SAMPLER]



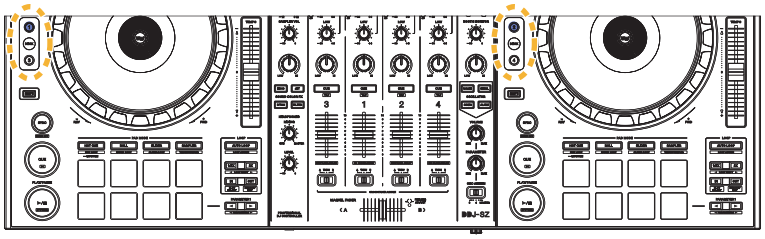
Indication example of the level indicators



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.
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.

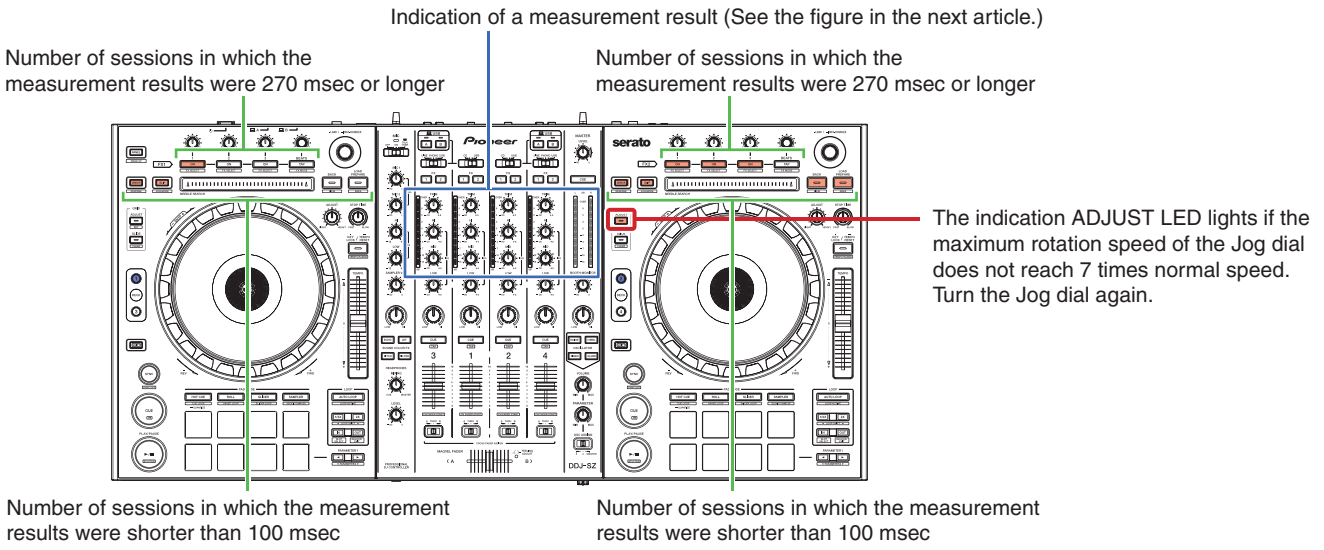
Operation procedure:

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:

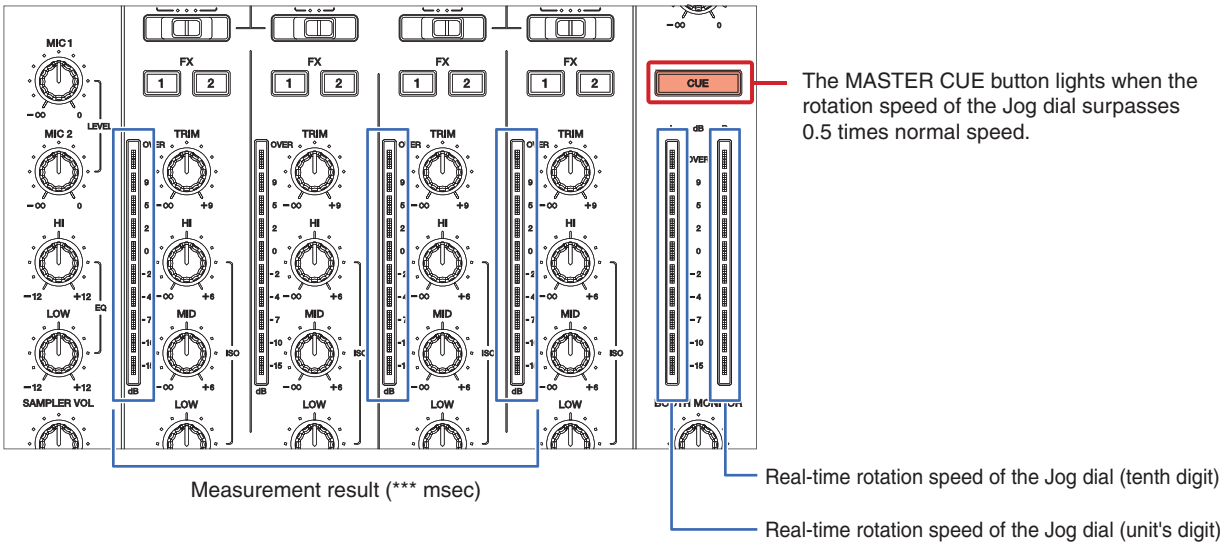
- The number of sessions (1–4) in which the time required for slowdown was 270 msec or longer is indicated with the FX SELECT 1 to 3 and TAP buttons on the same deck as the Jog dial being tested is located. Any such sessions exceeding five will not be counted.
- The number of sessions (1–4) in which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



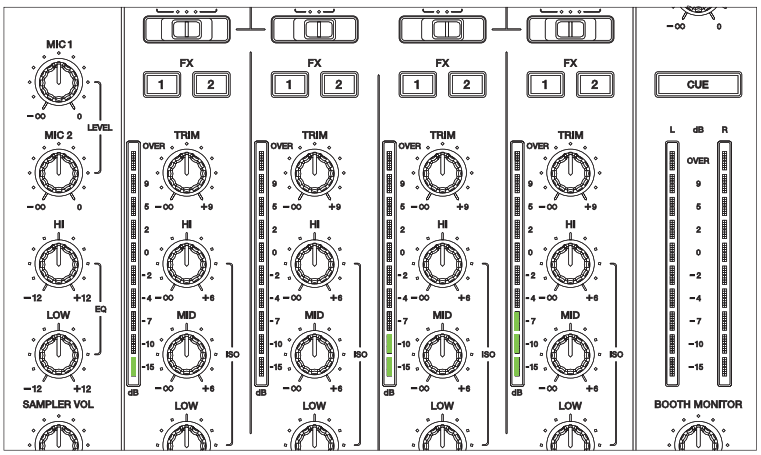
Indication of a measurement result

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.



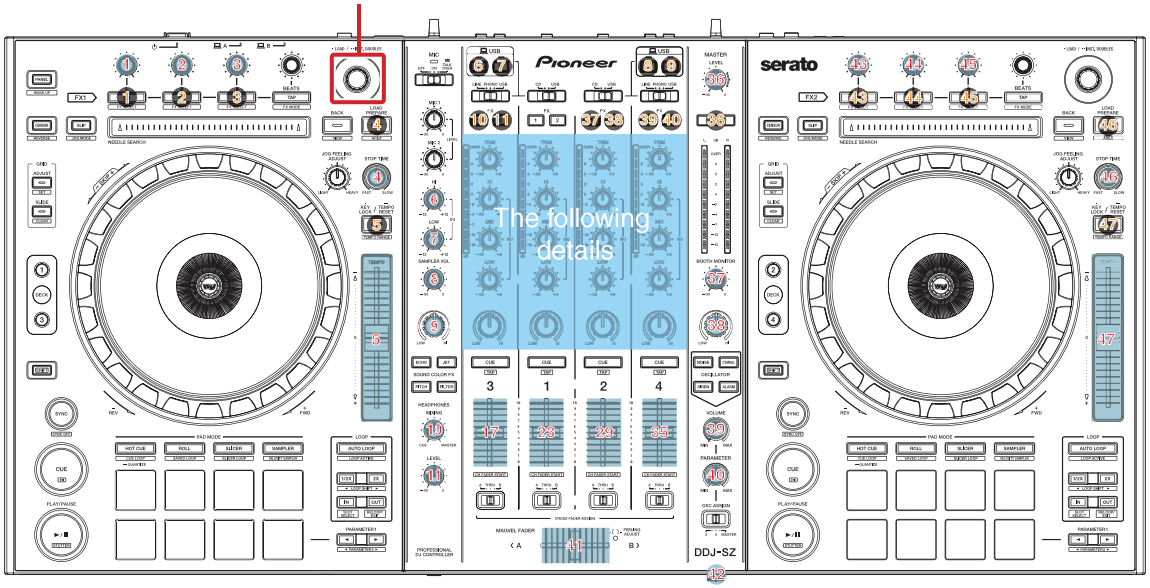
②-2: Volume value fluctuation check mode

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.

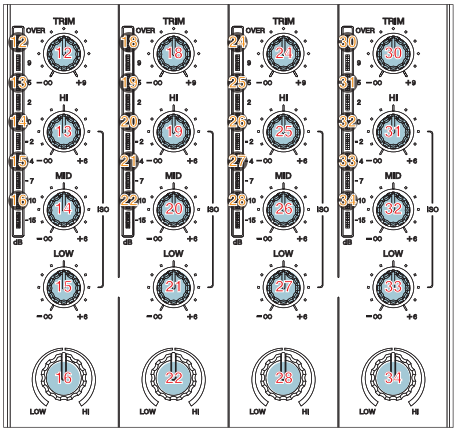
[Controls that can be tested]

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

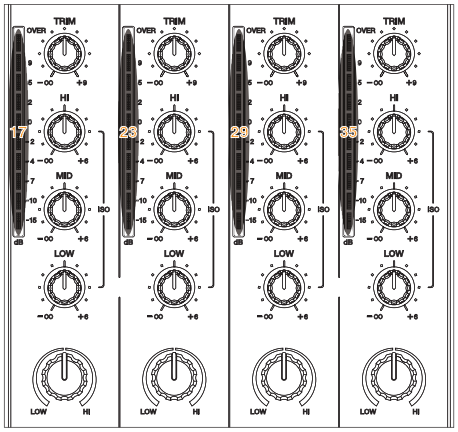
To change faders/controls to be tested, turn the rotary selector clockwise or counterclockwise.
To start monitoring or reset an A/D conversion value, press the rotary selector.



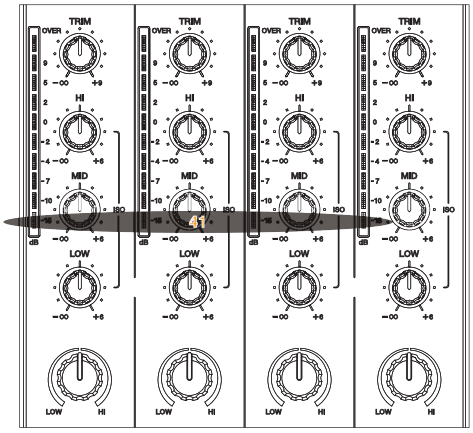
Each Channel TRIM, HI, MID, LOW, COLOR



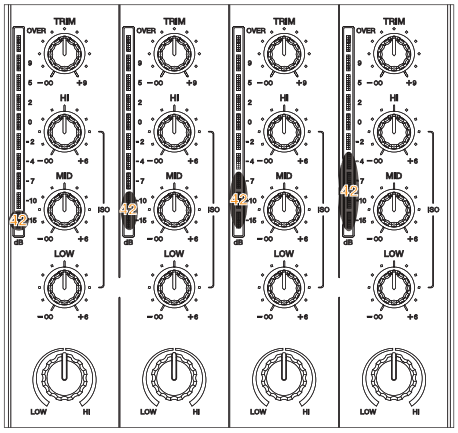
Each Channel Fader



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]

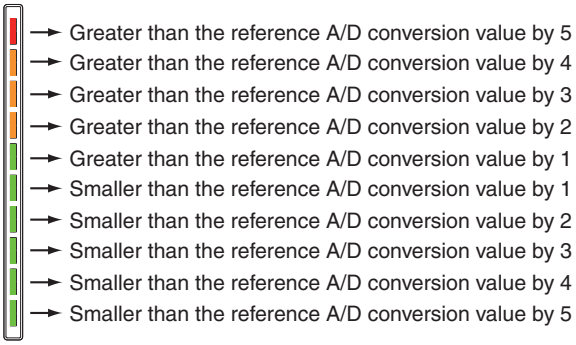
① Select a fader/control to be tested by turning the rotary selector clockwise or counterclockwise.
At the beginning of this test mode, the control numbered 1 is selected.
As the rotary selector is turned by 1 click, the LED of the selected fader/control will light in the order indicated below.
Clockwise 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.

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.

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.

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

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.

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.

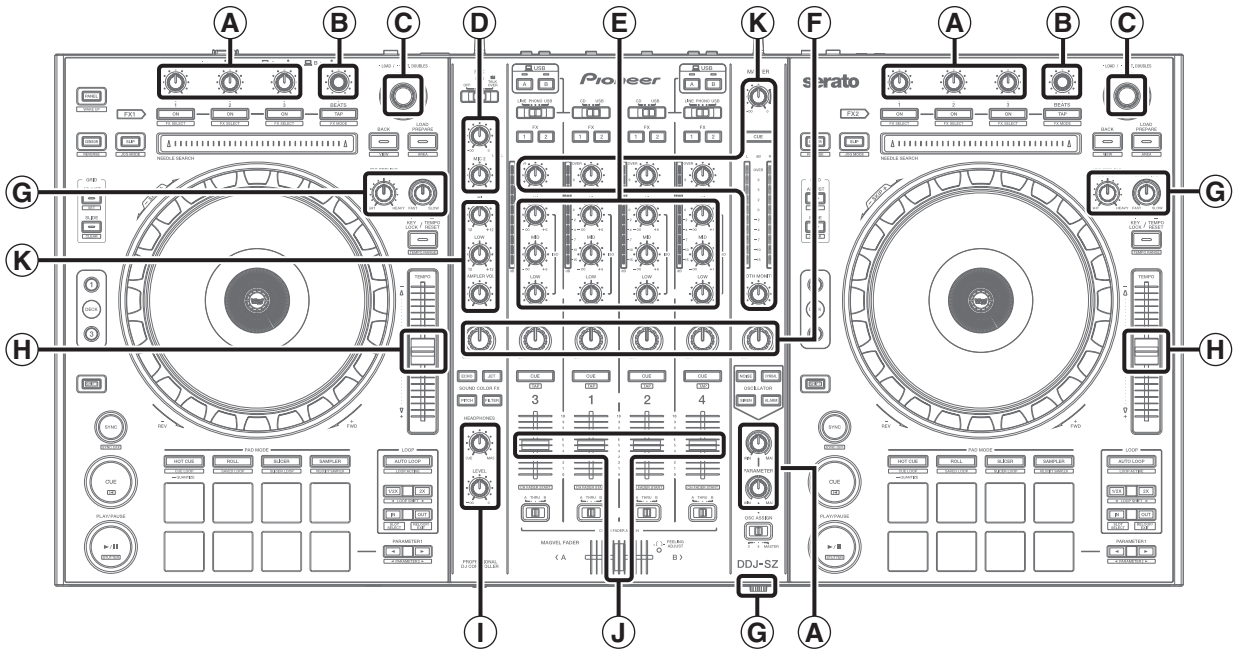
6.2 ABOUT THE DEVICE

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 ±18A, V±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	JFLL Assy
			V7601	JFLR Assy
CDC	AD7147ACPZ500RL7	Capacitance Sensor for NEEDLE SEARCH pad	IC7301	CDCL Assy
			IC6301	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



A DAA1220 ×8
White
Black (rubber)

B DAA1180 ×2
Black (rubber)

C DAA1259 ×2
Black

D DAA1210 ×2
White
Black

E DAA1305 ×12
White
Black (rubber)
White

F DAA1309 ×6
White
Silver

G DAA1326 ×5
White
Black

H DNK5981 ×2
White
Black

I DAA1212 ×2
White
Black

J DAC2684 ×5 + DAC2685 ×5 + DNK5888 ×5
DAC2685
White
DAC2684
Black
DNK5888
White

K DAA1333 ×9
White
Black

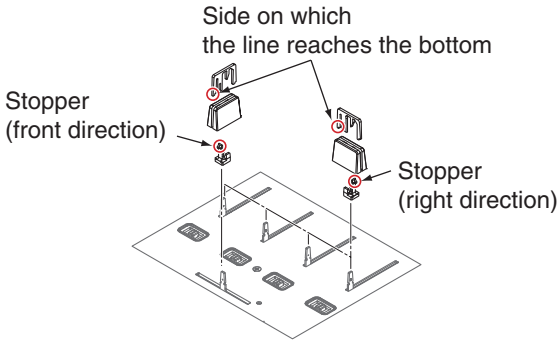
Disassembly

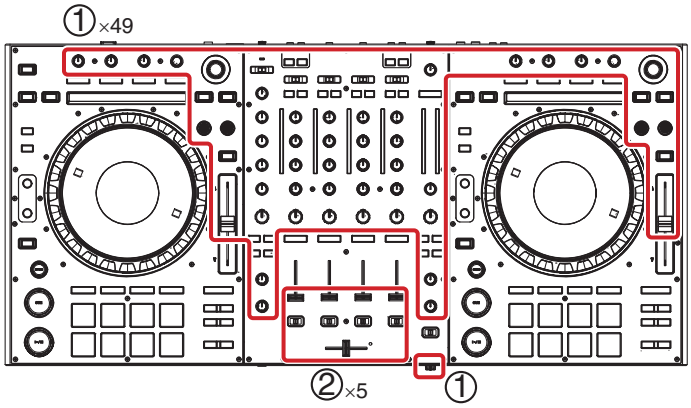
[1] Exterior Section

• Knobs etc.

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

The reference of the direction

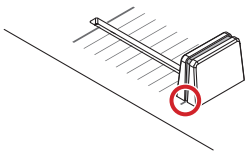




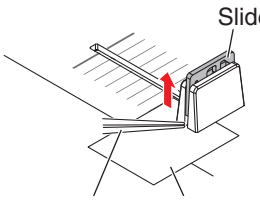
• Disassembly of the slider knob

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.

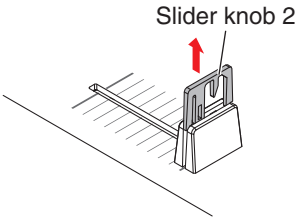
① Find the side on which the line reaches the bottom.



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.

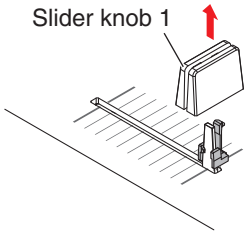


③ Remove the Slider knob 2.

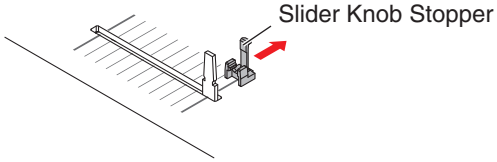


*: During reassembly, fully push down Slider knob 2 until it is dented into Slider knob 1.

④ Remove the Slider knob 1.

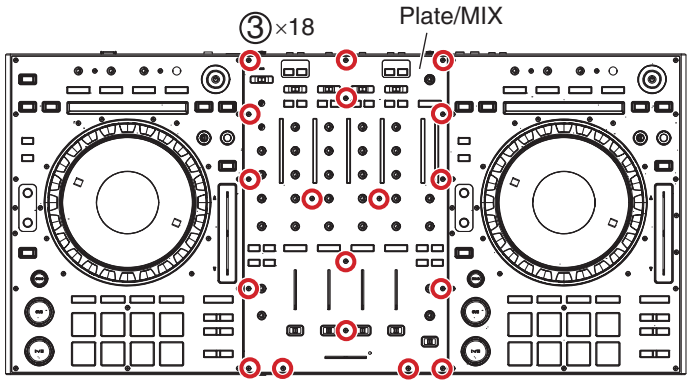


⑤ Remove the Slider Knob Stopper.

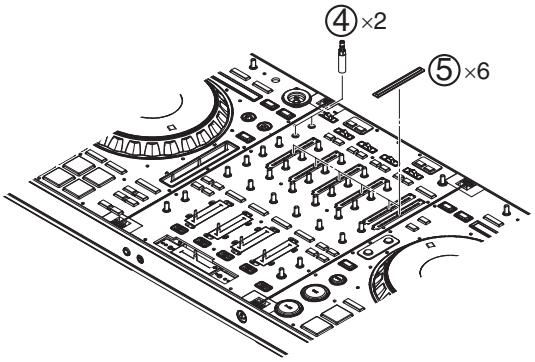


(3) Remove the Plate/MIX by removing the 18 screws.

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



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

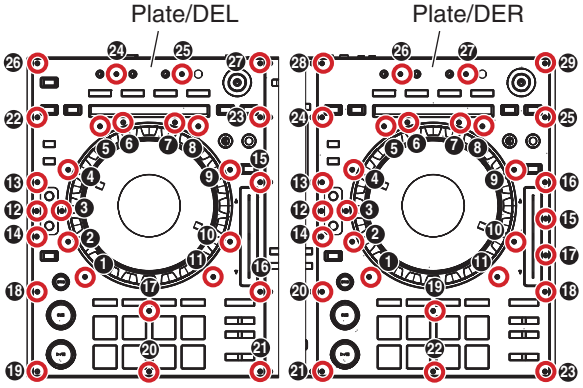


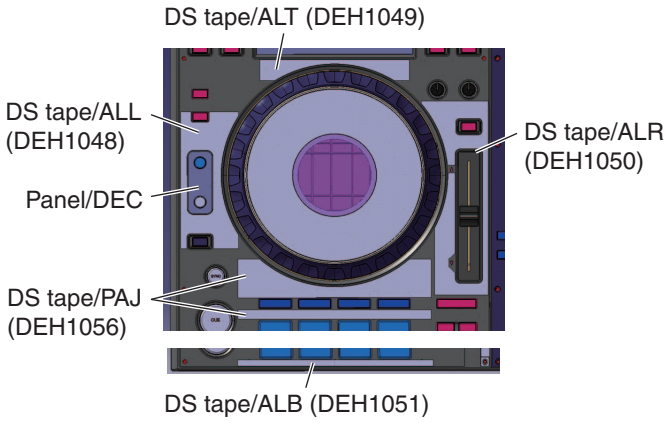
• Note on replacement of the Plate/DEL and Plate/DER

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/ALT: DEH1049
DS tape/ALR: DEH1050
DS tape/ALB: DEH1051
DS tape/PAJ: DEH1056

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.



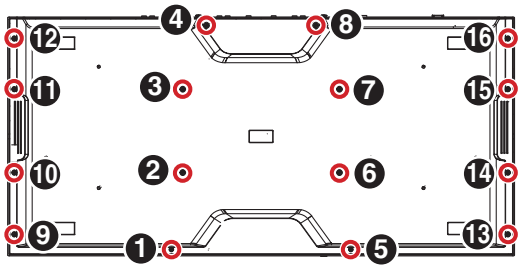


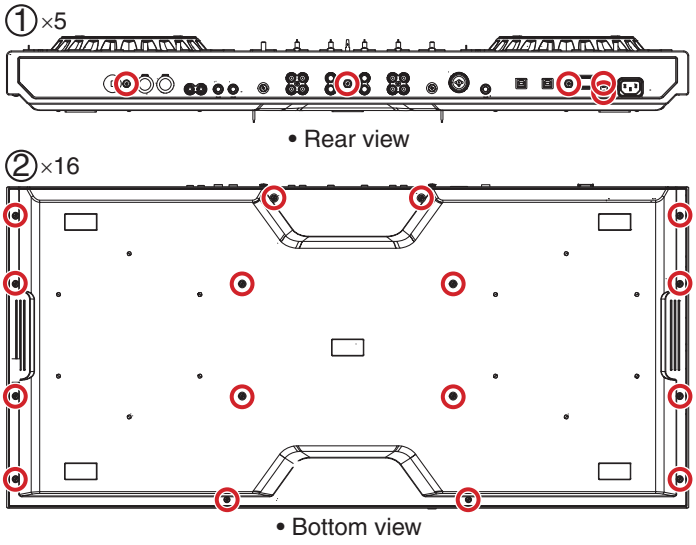
• Chassis Section

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

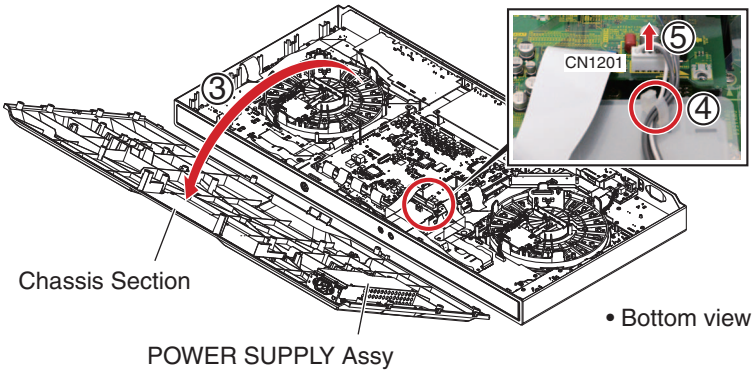
Note:
As the screws can easily become worn out, be sure to tighten the screws manually (never use an electric screwdriver).

Screw tightening order





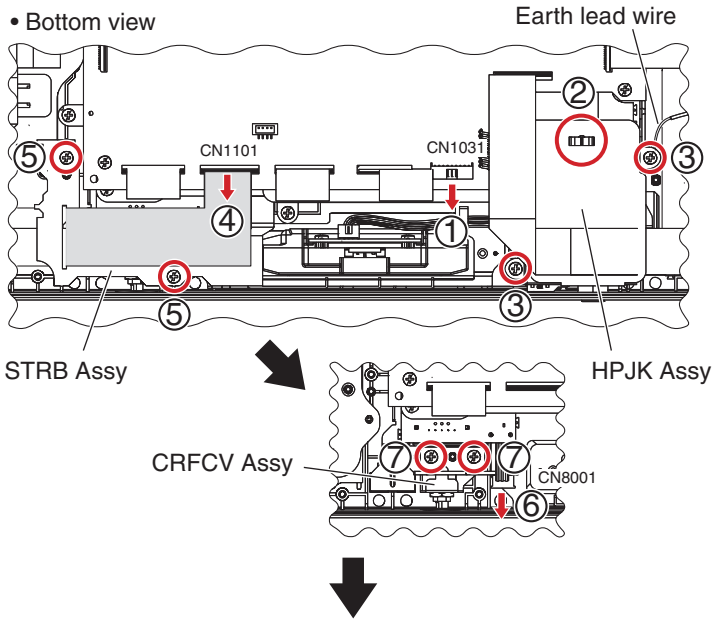
(3) Remove the Chassis Section.
(4) Release jumper wire.
(5) Disconnect the one connector.
(CN1201)



[2] Terminal Section, MAIN Assy

• HPJK, TRB and CRFCV Assemblies

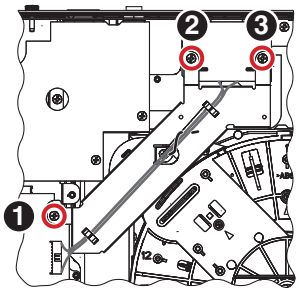
(1) Disconnect the one connector.
(CN1031)
(2) Release the flexible cable by removing the Holder.
(3) Remove the HPJK Assy with stay by removing the two screws.
(BPZ30P080FNI)
(4) Disconnect the one flexible cable.
(CN1101)
(5) Remove the STRB Assy by removing the two screws.
(BPZ30P080FNI)
(6) Disconnect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

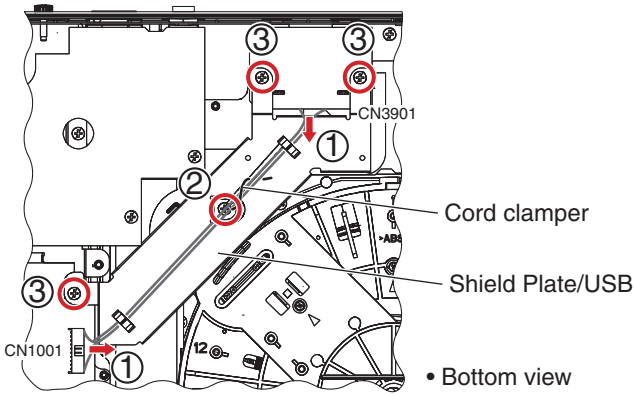


• **MAIN Assy**

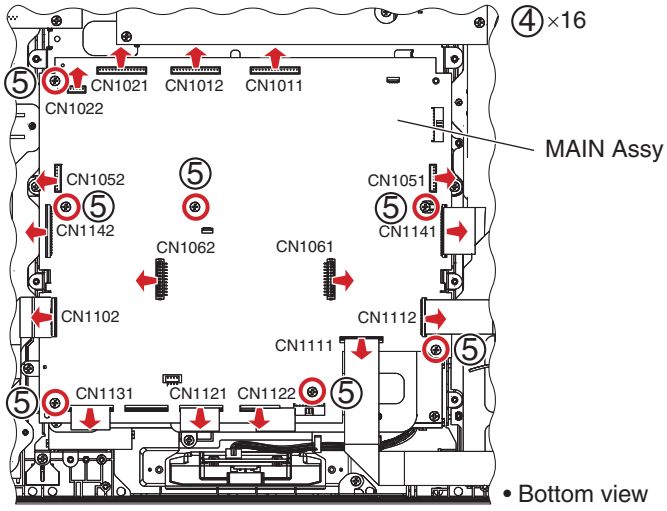
(1) Disconnect the two connectors.
(CN1001, 3901)
(2) Remove the one screw.
(BPZ30P080FNI)
(3) Remove the Shield Plate/USB by removing the three screws.
(BBZ30P080FTB)

Screw tightening order



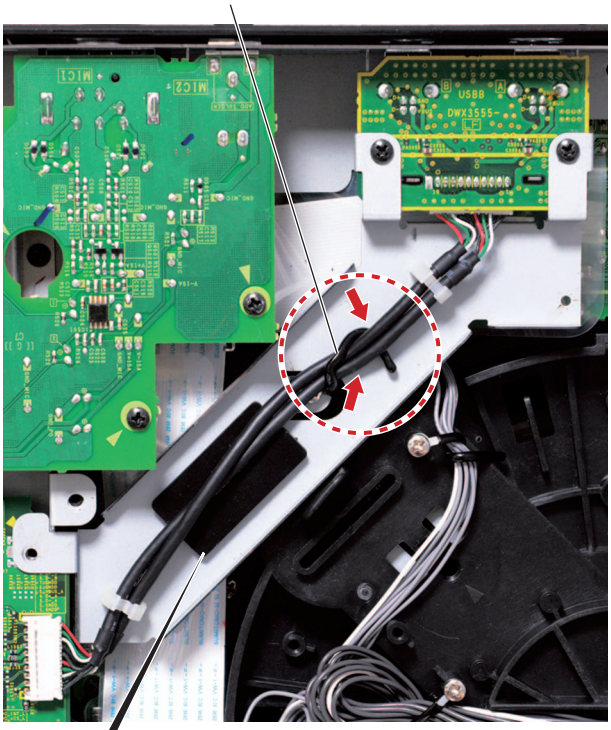


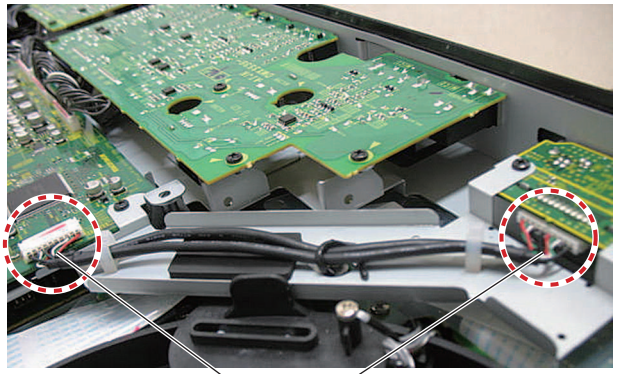
(4) Disconnect the all flexible cables and connectors.
(5) Remove the MAIN Assy by removing the seven screws.
(BBZ30P060FTB)



• 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).

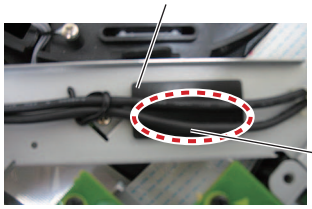




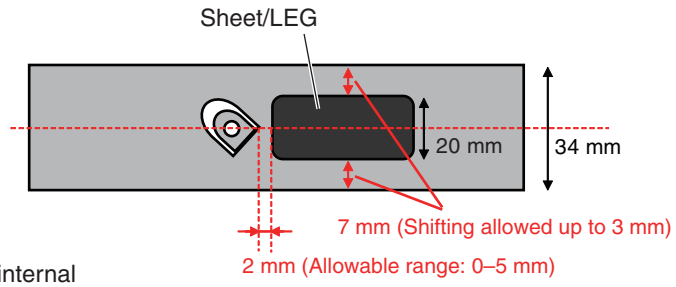
As the connectors may become loose, securely push the connectors again after securing the cables with a binder. (If pushing the connectors makes the bound cables lift a little, they can be left as they are.)

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.

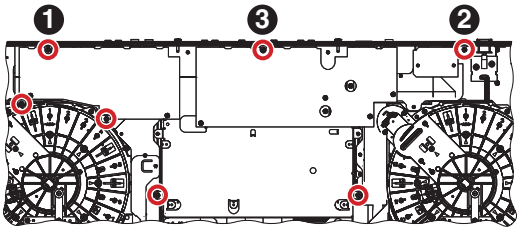


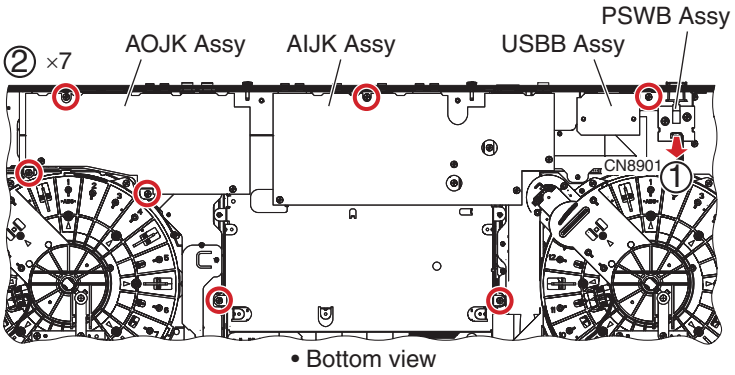
• **Terminal Section**

(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

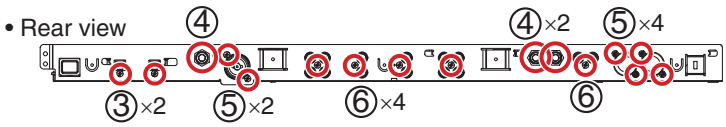
The other screws are random order.

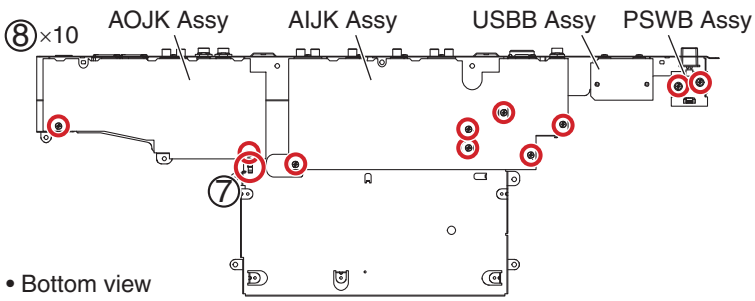




• Bottom view

(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)

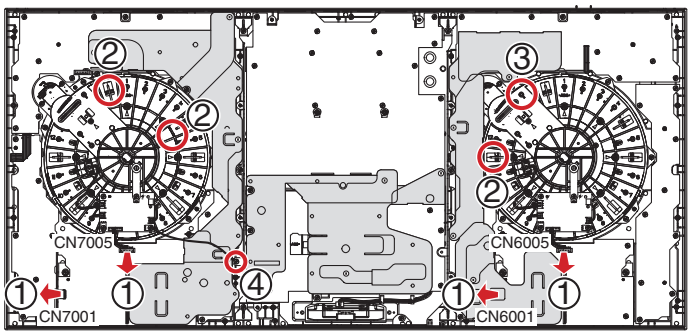




• Bottom view

[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)

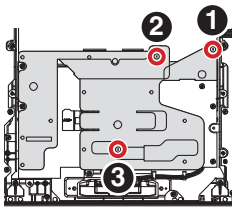


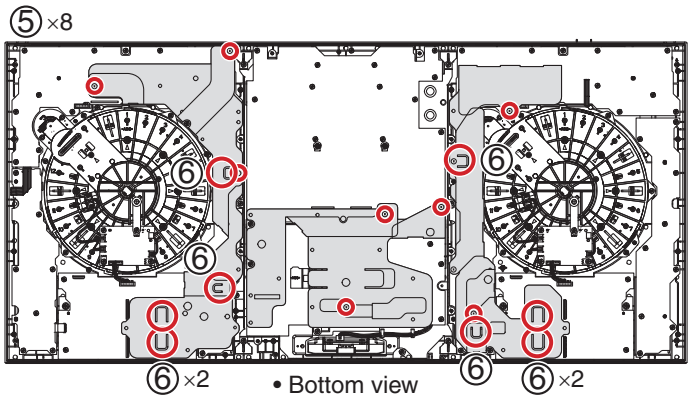
• Bottom view

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

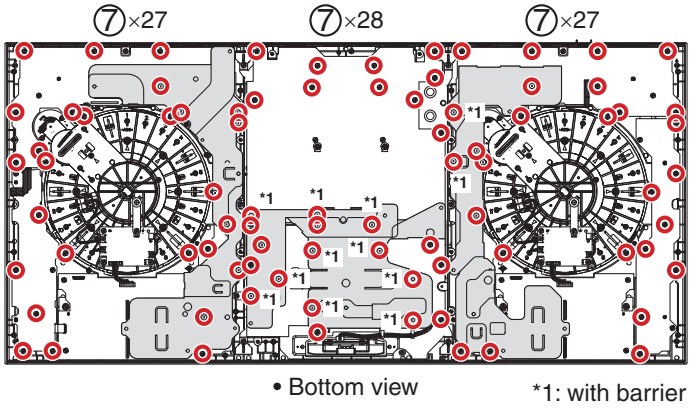
Screw tightening order

The other screws are random order.





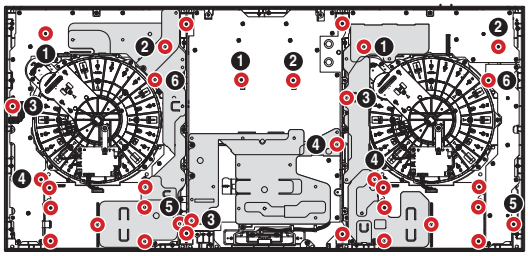
(7) Remove the 82 screws.
(BPZ30P080FNI)

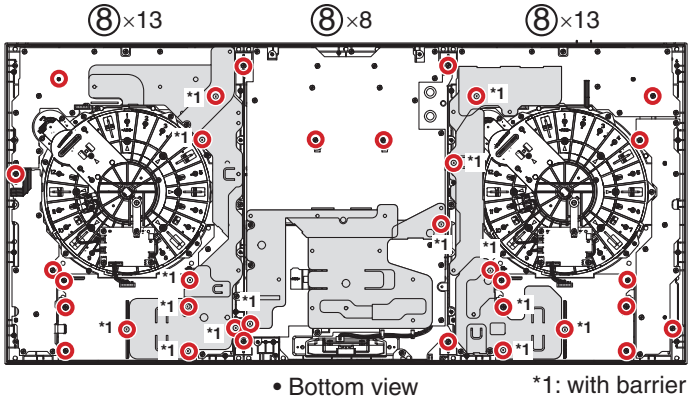


(8) Remove the 34 screws.
(BPZ30P080FNI)

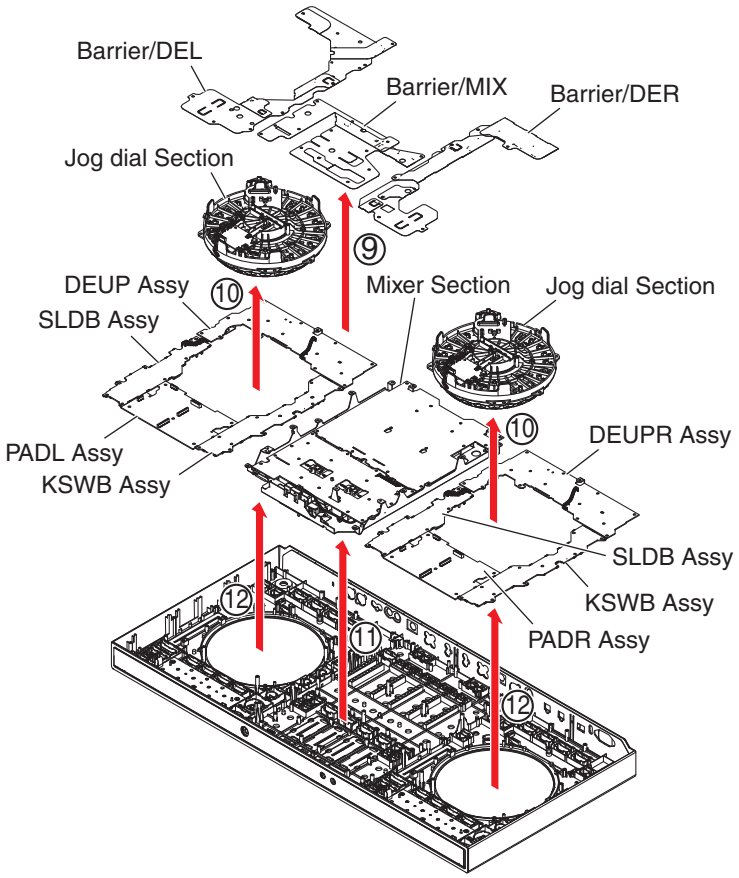
Screw tightening order

The other screws are random order.



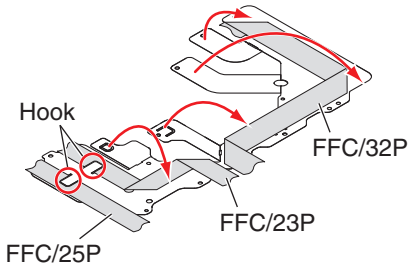


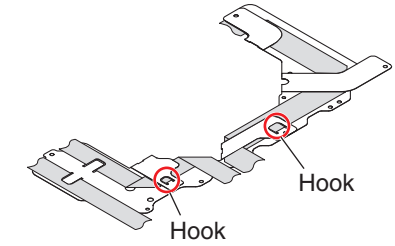
(9) Remove the Barrier/MIX, Barrier/DEL and Barrier/DER.
(10) Remove the two Jog dial Section.
(11) Remove the Mixer Section.
(12) Remove the DEUP, DEUPR, two KSWB, two SLDB, PADL and PADR Assemblies.



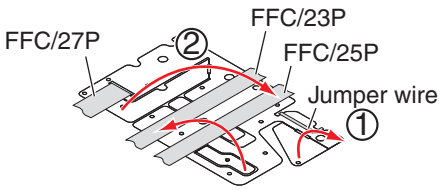
• Flexible cables, Barriers styling

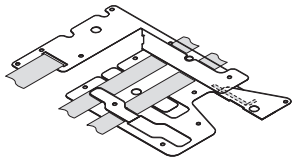
• Barrier/DEL



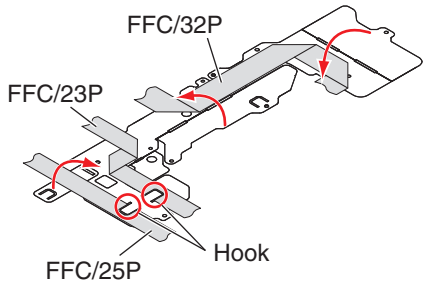


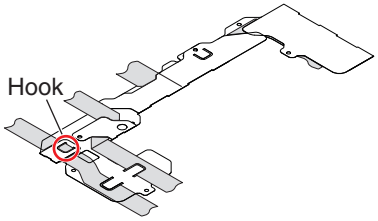
• Barrier/MIX





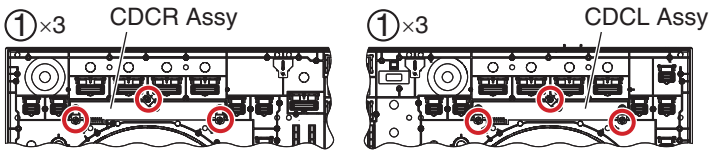
• Barrier/DER





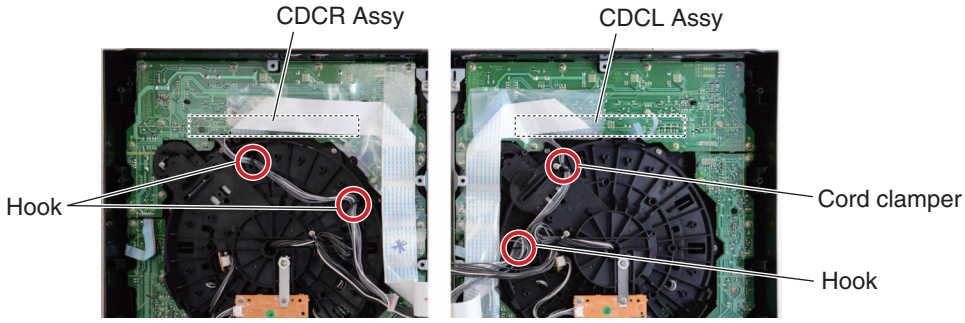
• CDCL and CDCR Assemblies

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

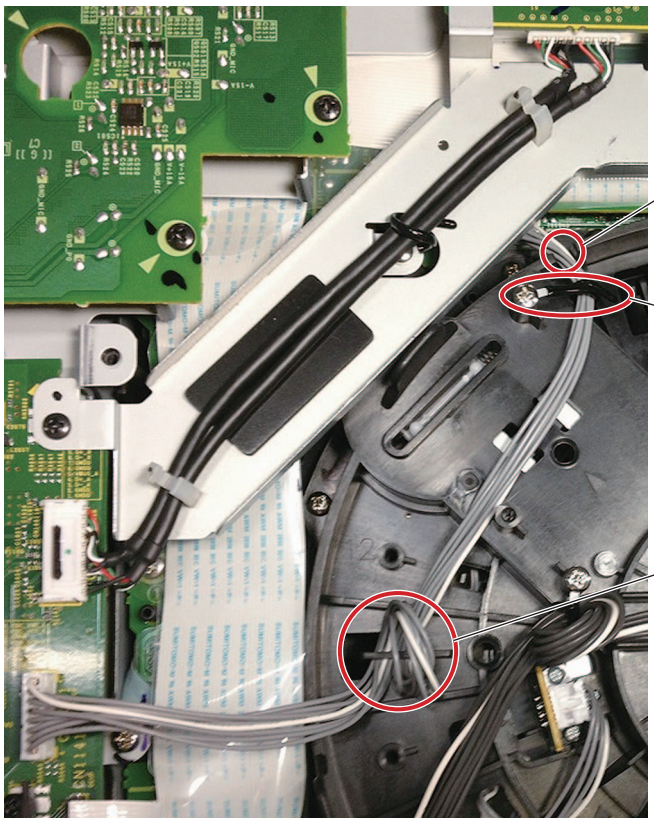


• Bottom view

• Jumper wire styling



• Notes on Cable Styling of the CDCL Assy



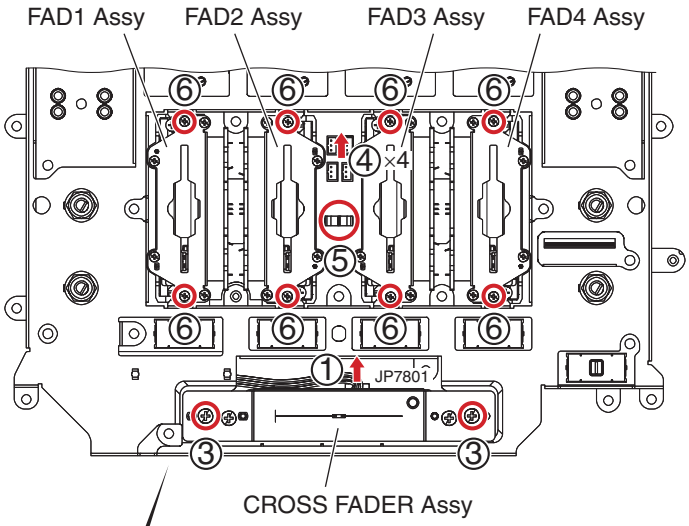
Pass the cables through the cutout of the Holder/JOG.

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

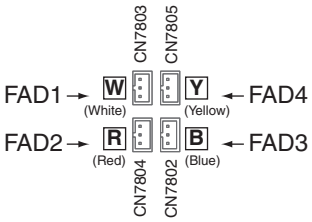
[4] Fader Section

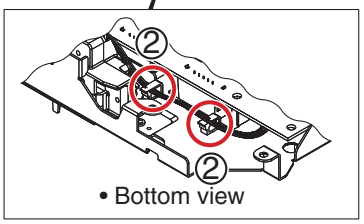
(1) Disconnect the one connector.
(JP7801)
(2) Release the two jumper wires.
(3) Remove the CROSS FADER Assy by removing the two screws.
(BBZ30P060FTB)
(4) Disconnect the four connectors.
(CN7802 to 7805)
(5) Release the jumper wire.
(6) Remove the FAD1 to 4 Assemblies by removing the eight screws.
(BSZ20P040FTB)



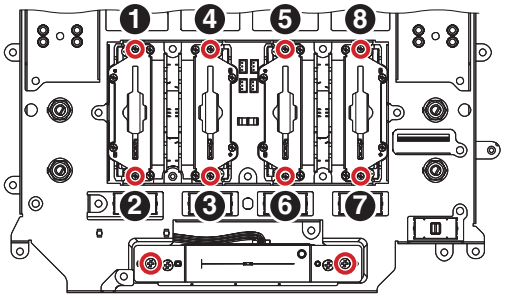
• Connectors color

Match the color of a connected connector.



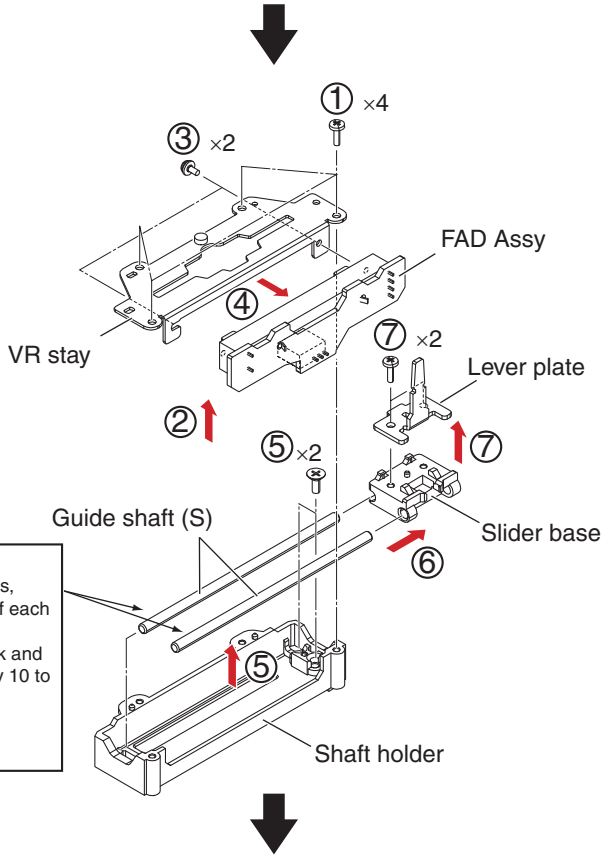


Screw tightening order

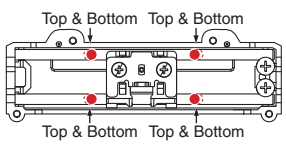


• FAD1 to FAD4 Assemblies

(1) Remove the four screws.
(BPZ20P060FTC)
(2) Remove the FAD Assy with VR stay.
(3) Remove th 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)



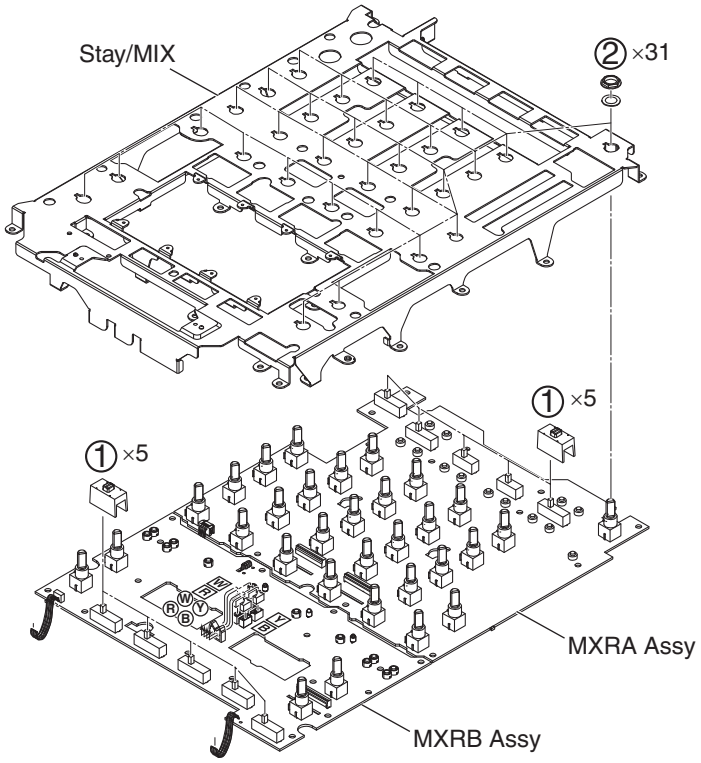
Lubricating oil
(GYA1001)



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.

[5] Mixer Section

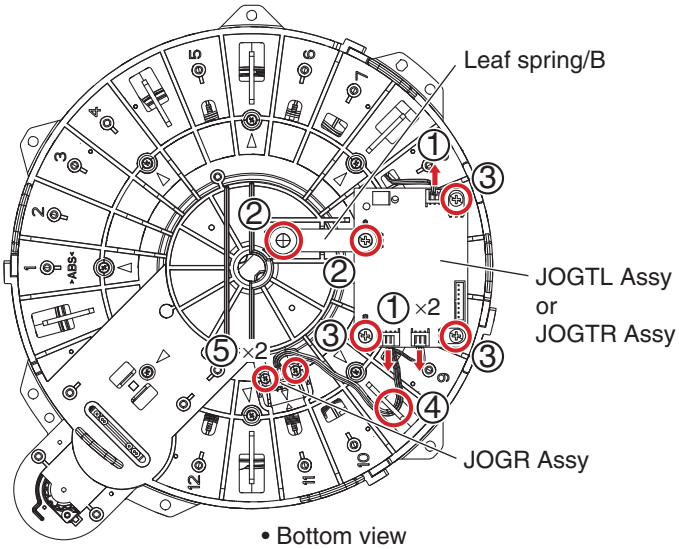
(1) Remove the five Slide SW Caps, five Slide SW Caps (W).
(2) Remove the Stay/MIX by removing the 31 washers and nuts.



[6] Jog dial Section

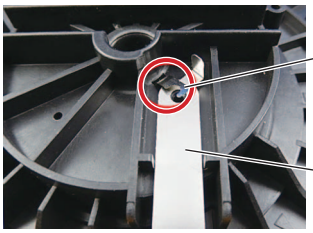
• JOGTL, JOGTR and JOGR Assemblies

(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)



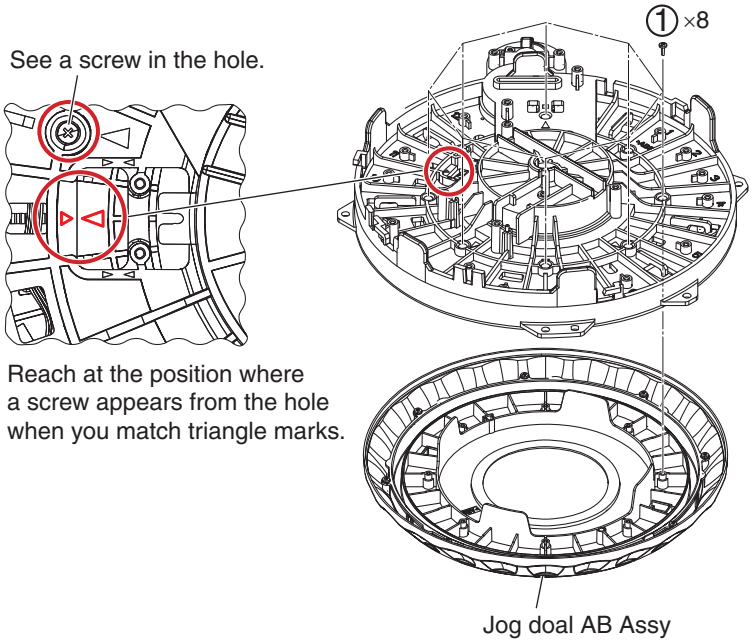
• Bottom view

• Leaf spring position



• Jog dial AB Assy

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

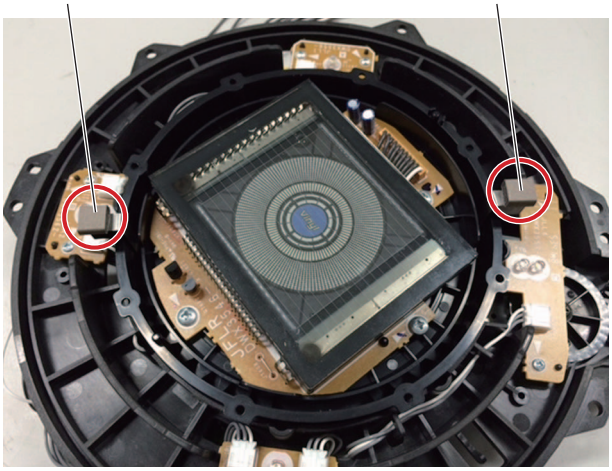


• Bottom view

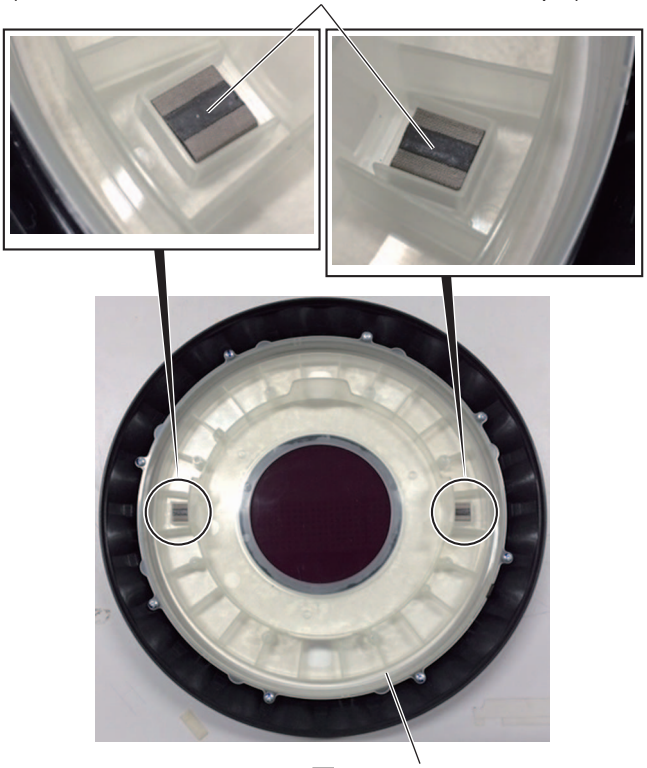
• Notes on Disassembly/Reassembly of the Jog dial AB Assy

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.

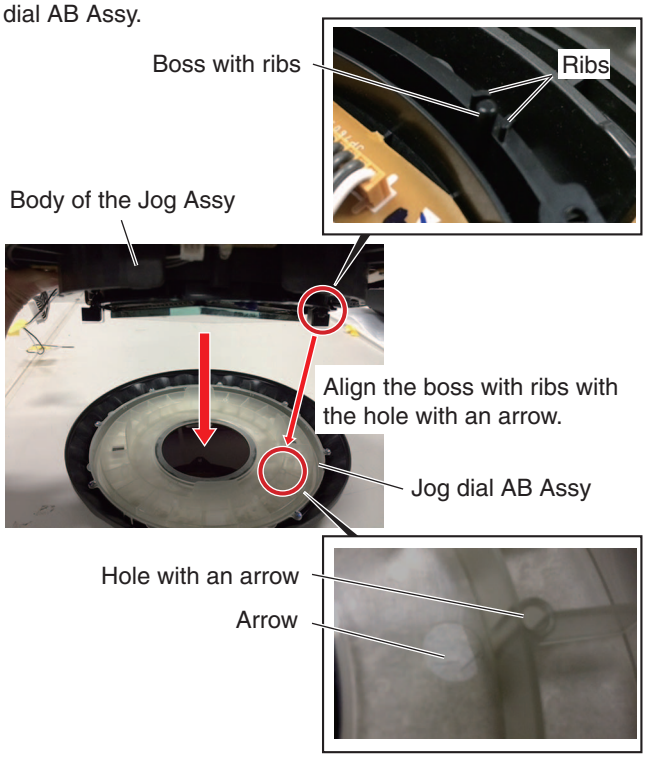
Rationale:
If the Jog dial AB Assy is reassembled with the Gasket/JOG attached to the leaf spring/A, the Gasket/JOG may not come into proper contact with the Jog dial AB Assy.

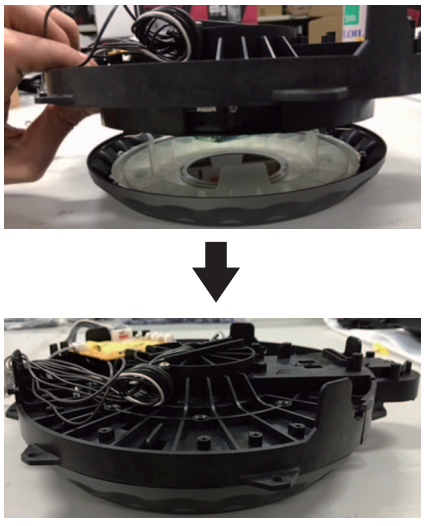


Remove the Gasket/JOG then install them into these places.
(Be careful of the orientation of the double-back tape.)



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





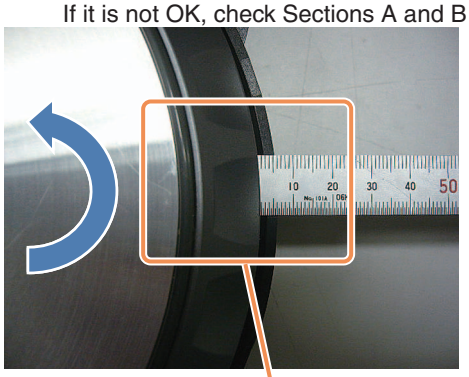
Note:
After reassembly, make sure that the JOG FEELING ADJUST control can turn smoothly.

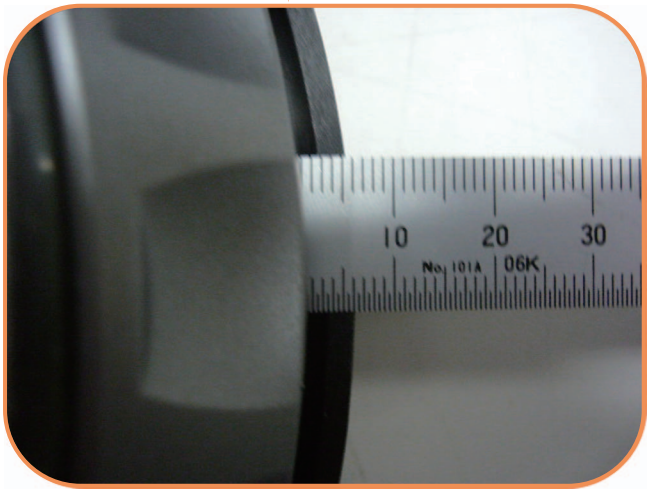
• How to Measure the Eccentricity of the Jog Dial

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.

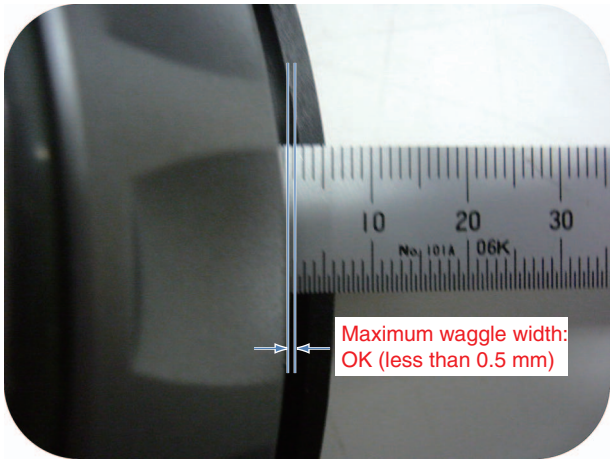
Specifications: 0.5 mm or less

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.



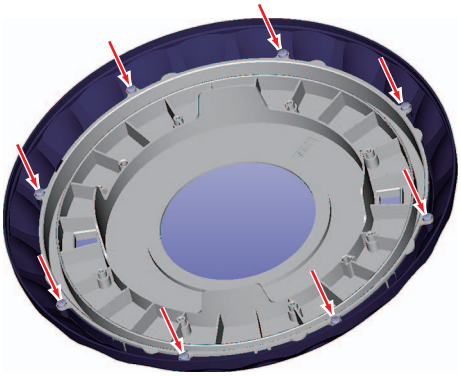


Example



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.



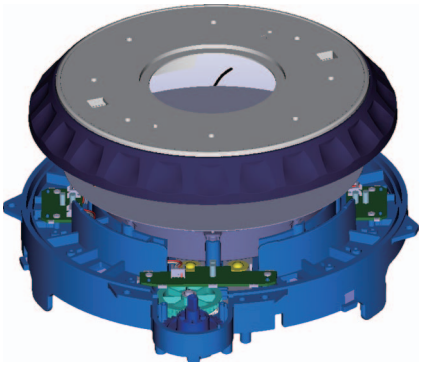
After Section A is repaired, follow the procedure indicated below to check the eccentricity before actual reassembly.

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.

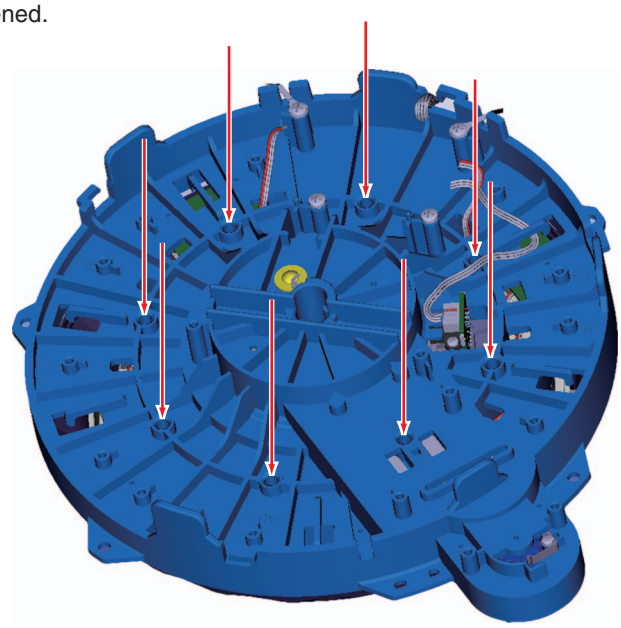
Note: In this step, the eccentricity of the Jog dial AB Assy itself is measured.

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



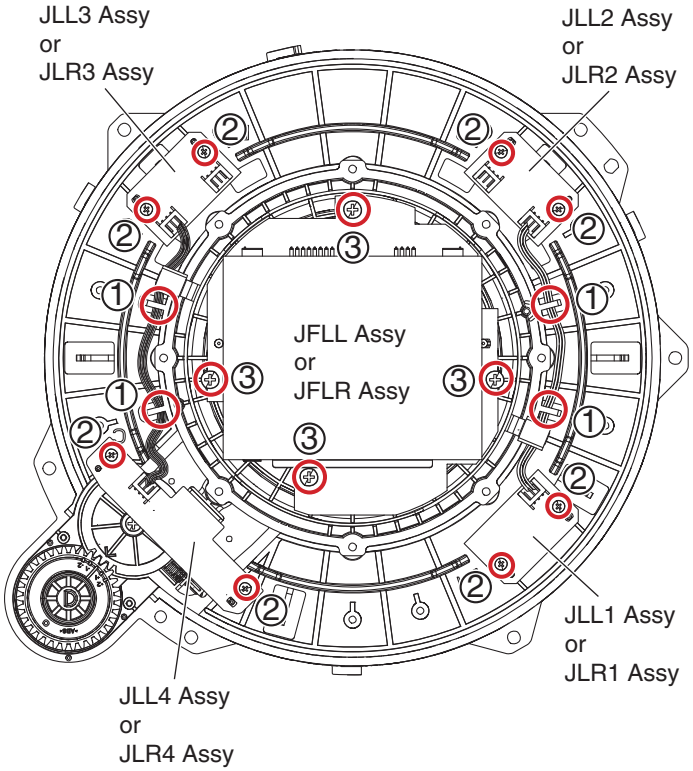
Section B

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



• 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)

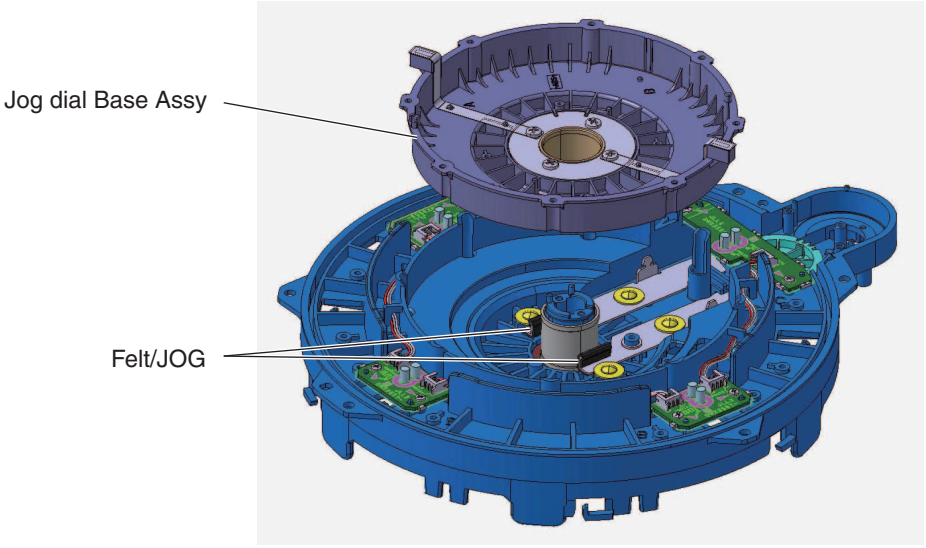


• Bottom view

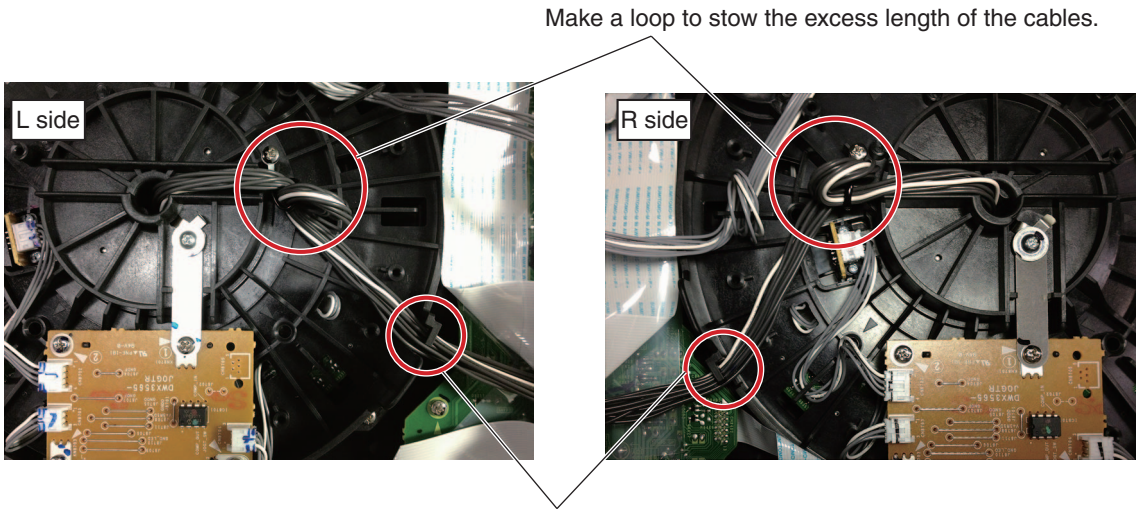
• Notes on Disassembly of the Jog dial base Assy

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

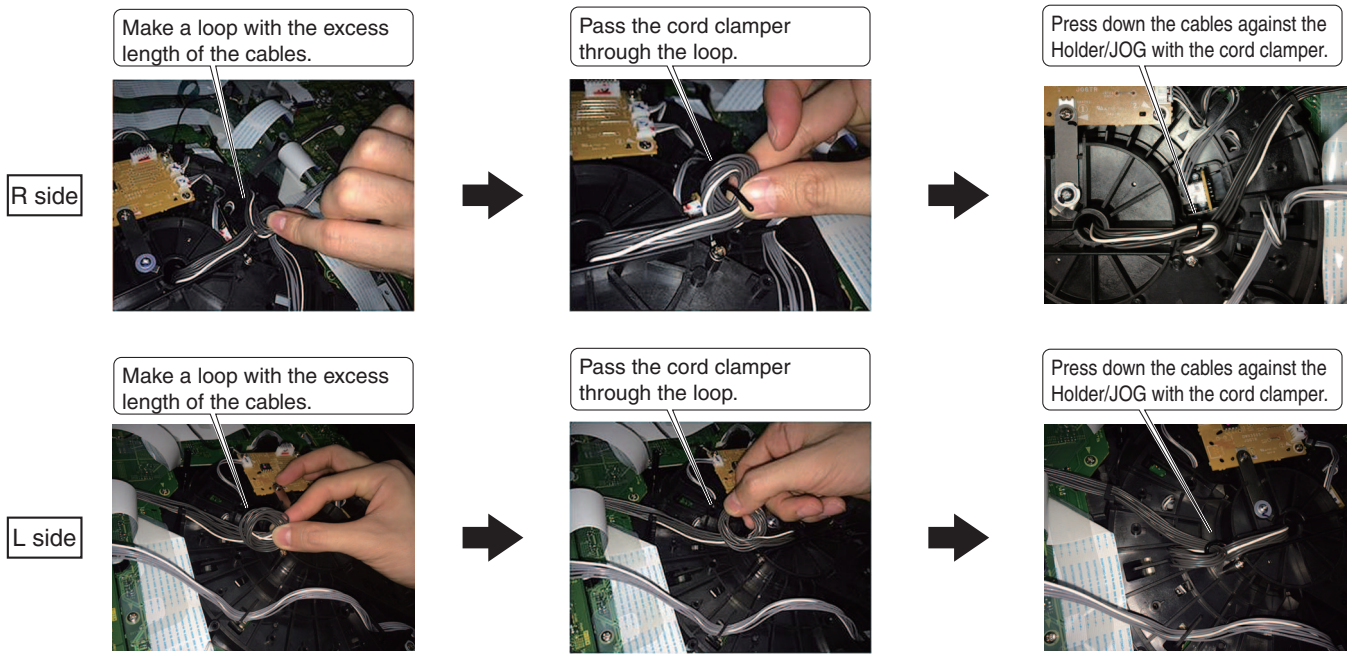
Rationale:
When the Jog dial base Assy is disassembled, some grease may get on the Felt/JOG, which function as brakes. This may disable delivery of brake performance as required in the specifications.



• Notes on Cable Styling of the JFLL and JFLR Assys



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



8. EACH SETTING AND ADJUSTMENT
8.1 NECESSARY ITEMS TO BE NOTED

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

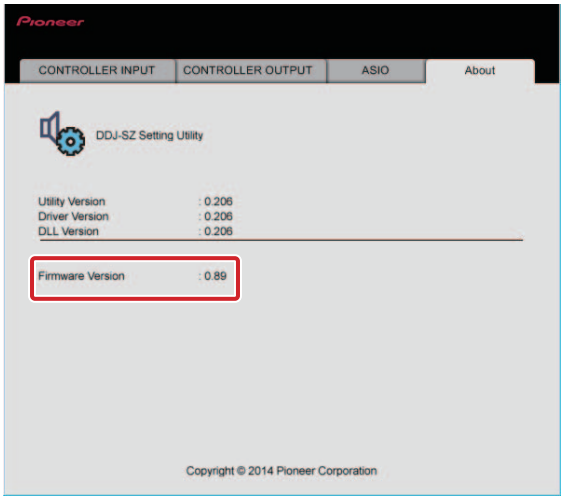
8.2 UPDATING OF THE FIRMWARE

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.

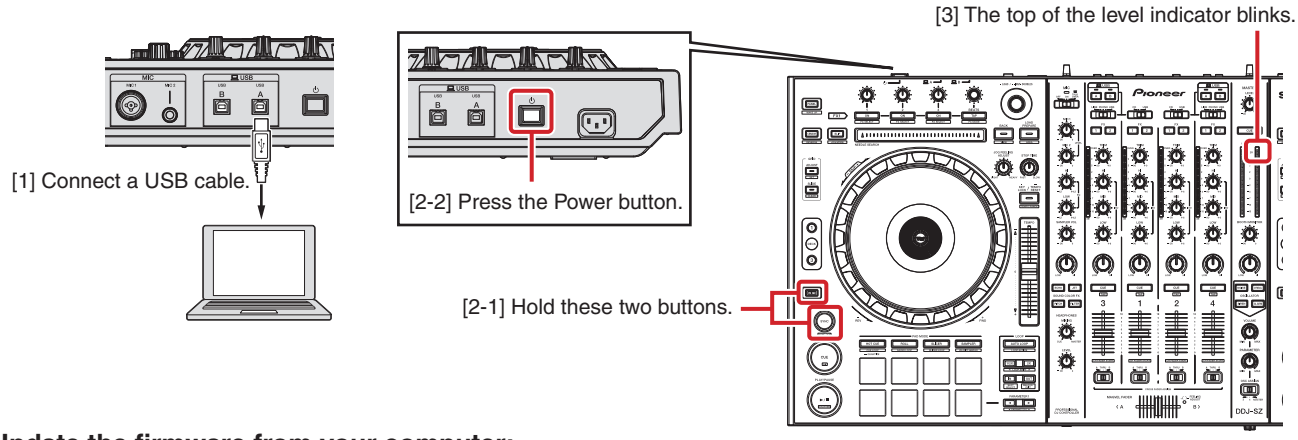
2. Check the unzipped file.
   For Windows:
   The [DDJ-SZ_vxxx_Win] folder is generated when the file is unzipped.
   Please ensure the following file is included in the folder.
   ① [DDJ-SZ_UP.upd]
   ② [DDJ-SZUpdater.exe]
   ③ pcupdate.dll

   For MacOS:
   The [DDJ-SZ_vxxx_Mac] folder is generated when the file is extraced.
   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.

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.

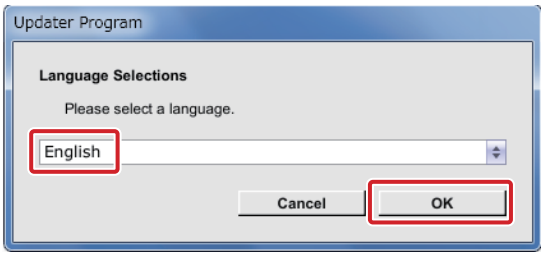


D. Update the firmware from your computer:

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

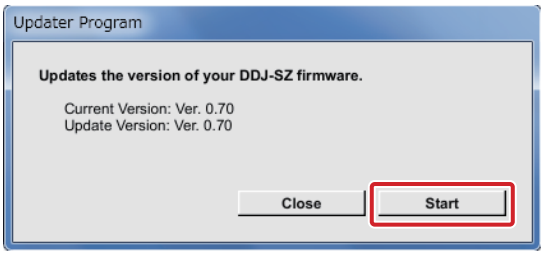
<STEP1> Start the updater program.
For Windows:
Double click [DDJ-SZUpdater.exe] to start the updater program.
For MacOS:
Double click [DDJ-SZUpdate.app] to start the updater program.

<STEP2> Select a language.
Select a language from the dropdown list and click [OK].
The figure below shows selecting English.

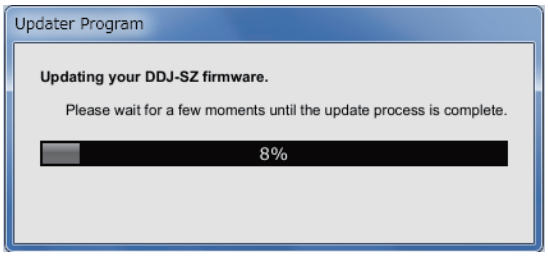


· If the message "Your DDJ-SZ is not connected" is displayed when you click on [OK], see "Corrective actions to be taken when 'Your DDJ-SZ is not connected' is displayed:" described later.

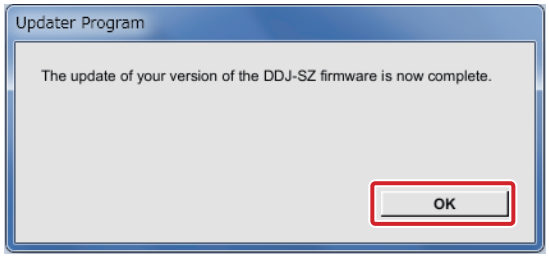
<STEP3> Check the version.
Ensure that the version for this update is x.xx and click [Start].
The figure below shows an example.
DO NOT remove Power and/or USB cables during updating.
Use the AC adapter when a notebook computer is used.



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].



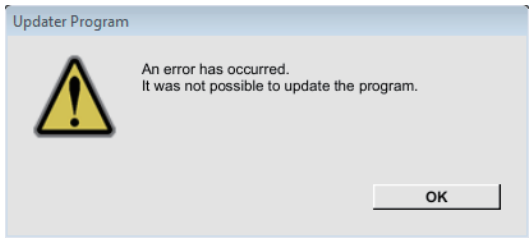
<STEP5> Restart DDJ-SZ.
Please turn off the power of DDJ-SZ and then turn it on again.

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.

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:

- 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.

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.

[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.

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	IC3001 (MAIN Assy)	Utility setting
		[KEY LOCK] button unlit / [KEY LOCK] button lit		
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 d**B / –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.

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

A

B

C

D

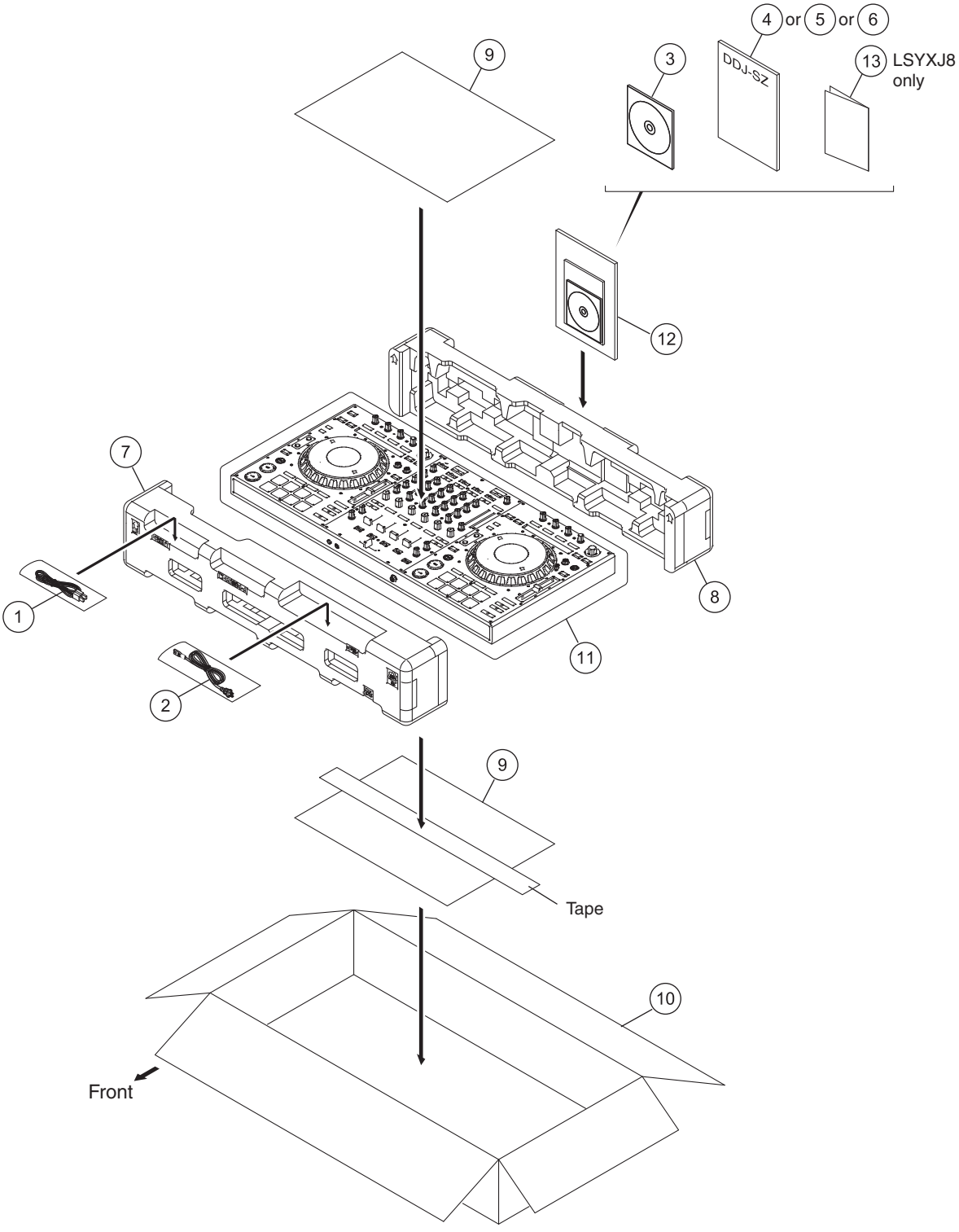
E

F

9. EXPLODED VIEWS AND PARTS LIST

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.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

9.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

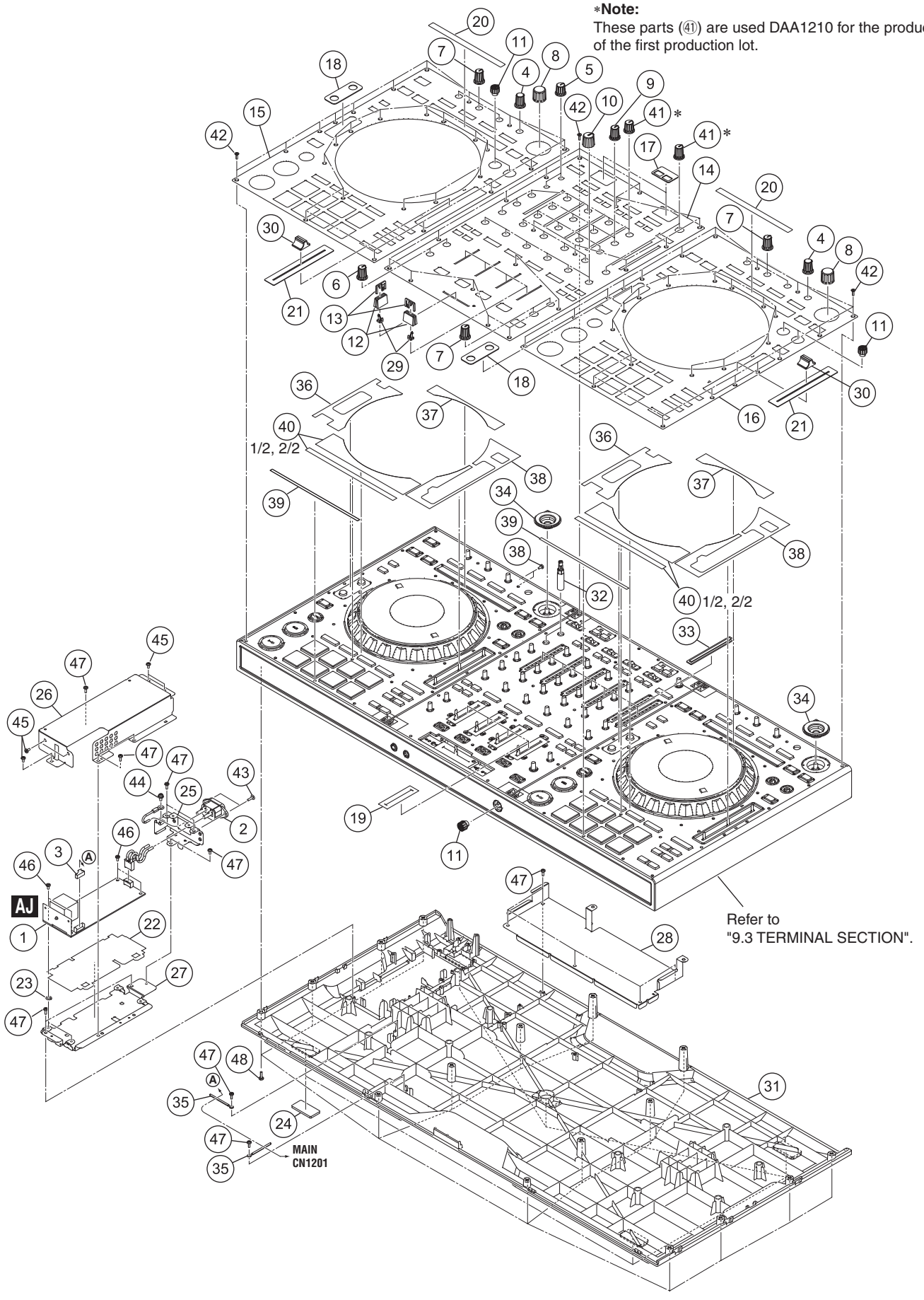
Mark	No.	Description	Part No.
	1	USB Cable	DDE1128
⚠	2	Power Cord	See Contrast table (2)
	3	CD-ROM (Installation Disc)	DXX2754
	4	Operating Instructions (Basic Edition)	See Contrast table (2)
	5	Operating Instructions (Basic Edition)	See Contrast table (2)
	6	Operating Instructions (Basic Edition)	See 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, Nl, 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

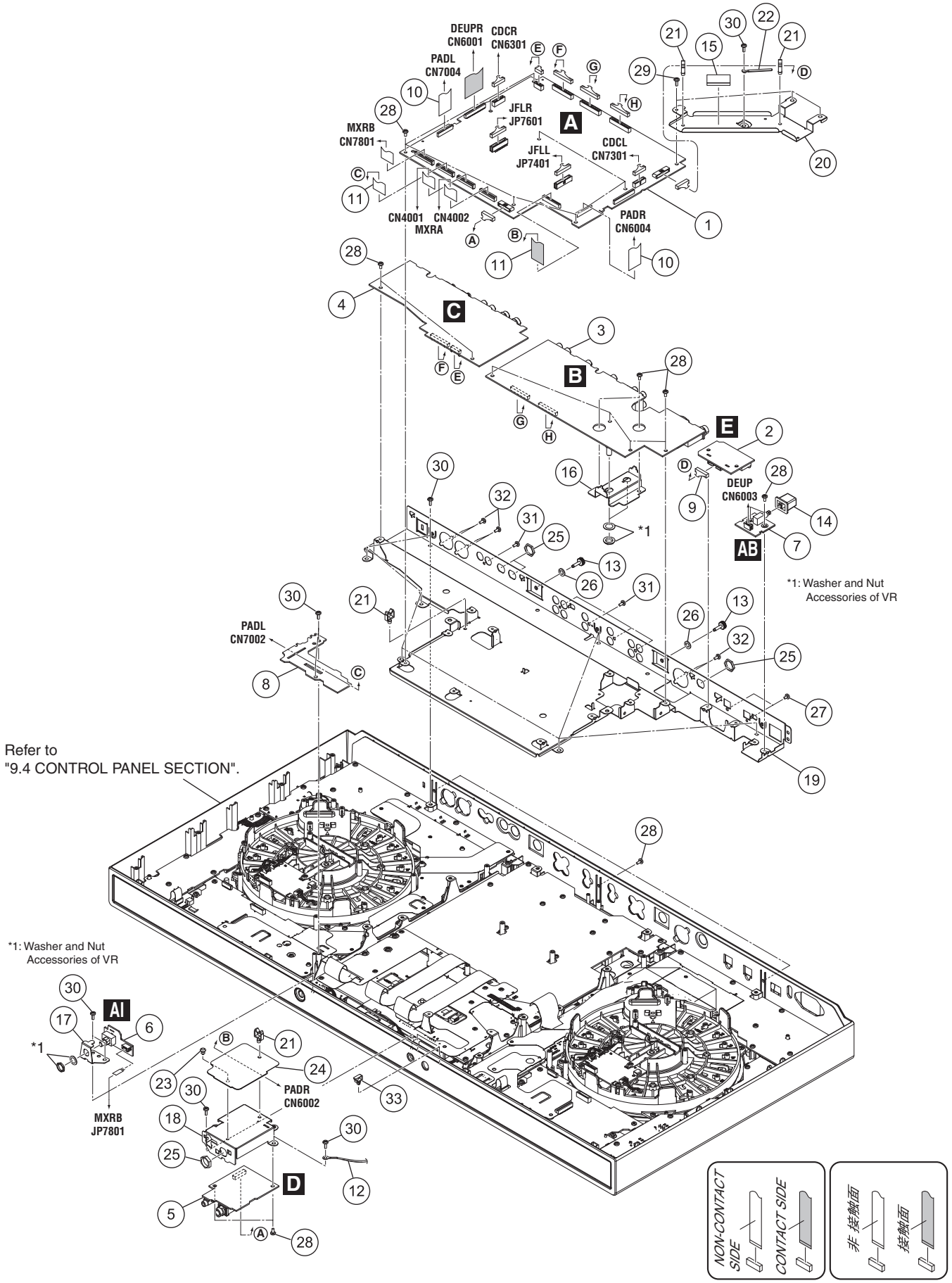
9.2 TOP and CHASSIS SECTION



TOP and CHASSIS SECTION PARTS LIST

Mark	No.	Description	Part No.
⚠	1	POWER SUPPLY Assy	DWR1463
⚠	2	AC Inlet/3P	DKP3954
	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
	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
	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
	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
	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
	47	Screw	BPZ30P080FNI
	48	Screw	BPZ30P100FTB

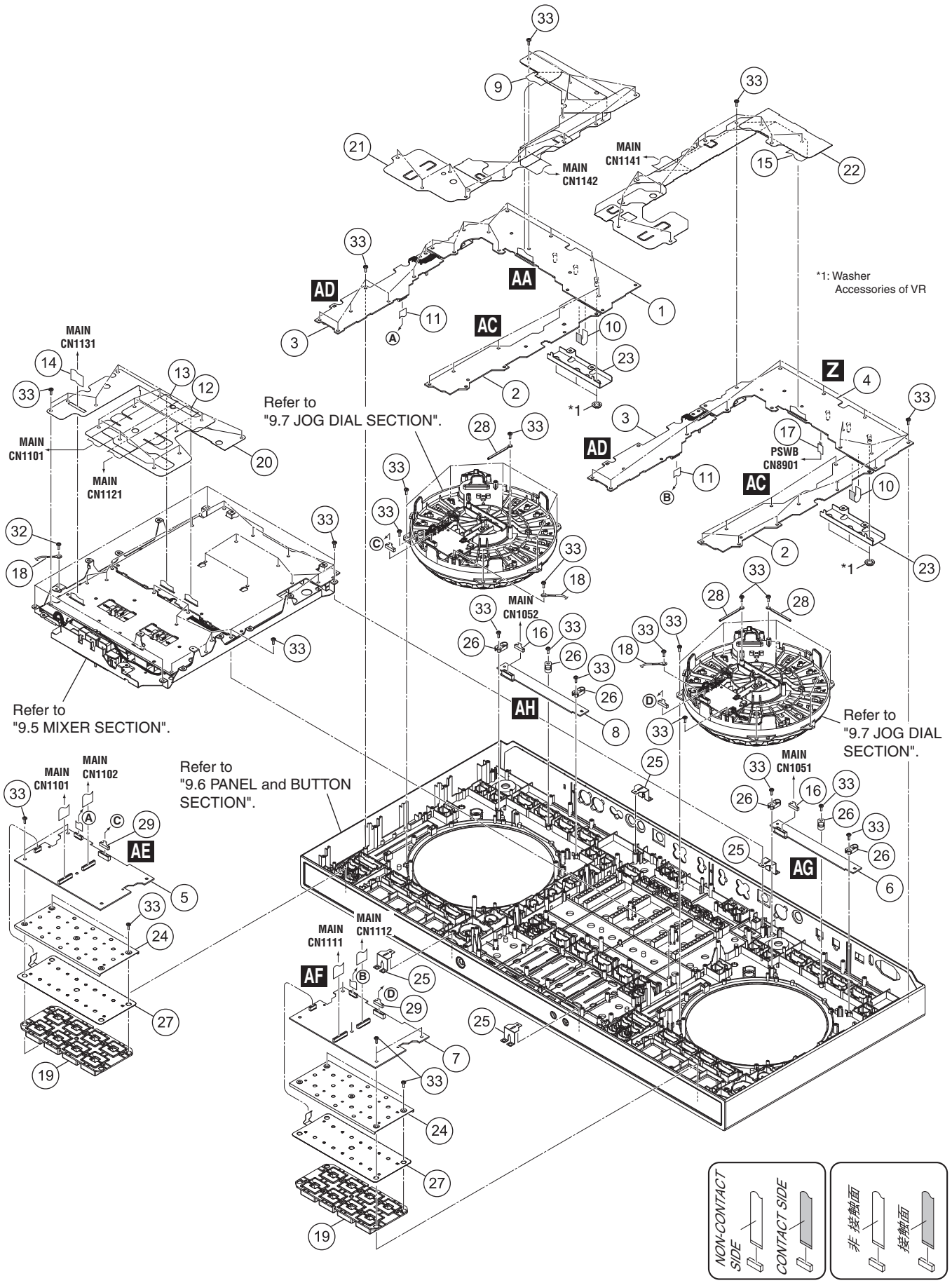
9.3 TERMINAL SECTION



TERMINAL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	MAIN Assy	DWX3535
	2	USBB Assy	DWX3555
	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
	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
	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
	30	Screw	BPZ30P080FNI
	31	Screw	BPZ30P080FTB
	32	Screw	PPZ30P080FTB
	33	Locking Mini Clamp	DEC2439

9.4 CONTROL PANEL SECTION

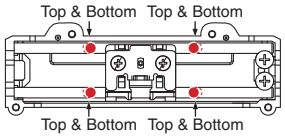


CONTROL PANEL SECTION PARTS LIST

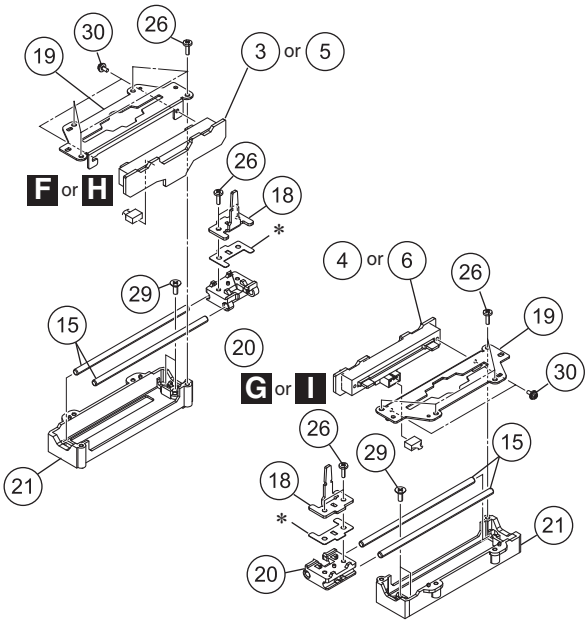
Mark	No.	Description	Part No.
	1	DEUP Assy	DWX3548
	2	KSWB Assy	DWX3549
	3	SLDB Assy	DWX3550
	4	DEUPR Assy	DWX3580
	5	PADL Assy	DWX3553
	6	CDCL Assy	DWX3554
	7	PADR Assy	DWX3583
	8	CDCR Assy	DWX3584
	9	FFC/32P	DDD1657
	10	FFC/15P	DDD1660
	11	FFC/13P	DDD1661
	12	FFC/25P	DDD1662
	13	FFC/23P	DDD1663
	14	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
	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	•••••	
	32	Screw	BBZ30P060FTB
	33	Screw	BPZ30P080FNI

9.5 MIXER SECTION

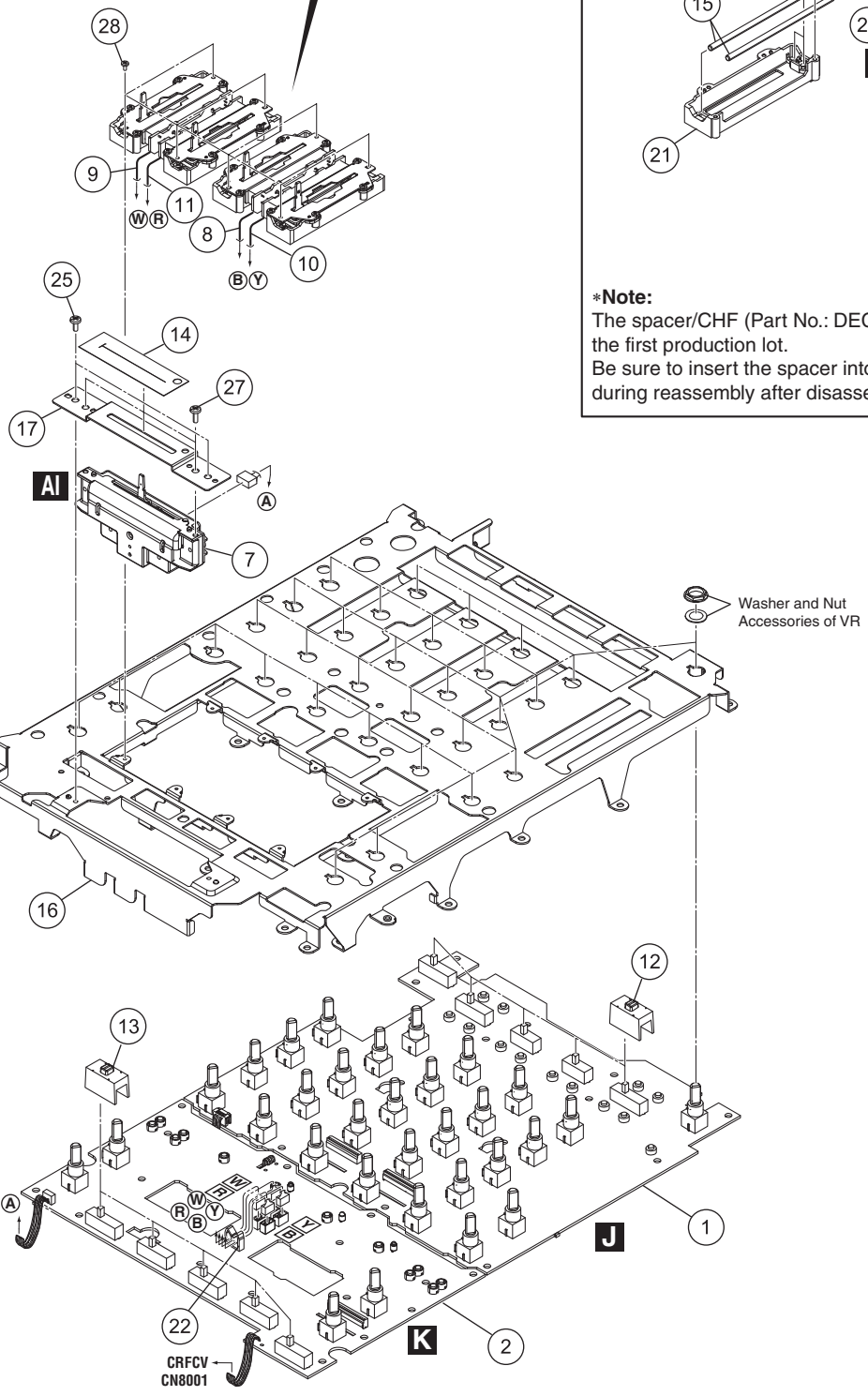
Lubricating oil (GYA1001)



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.



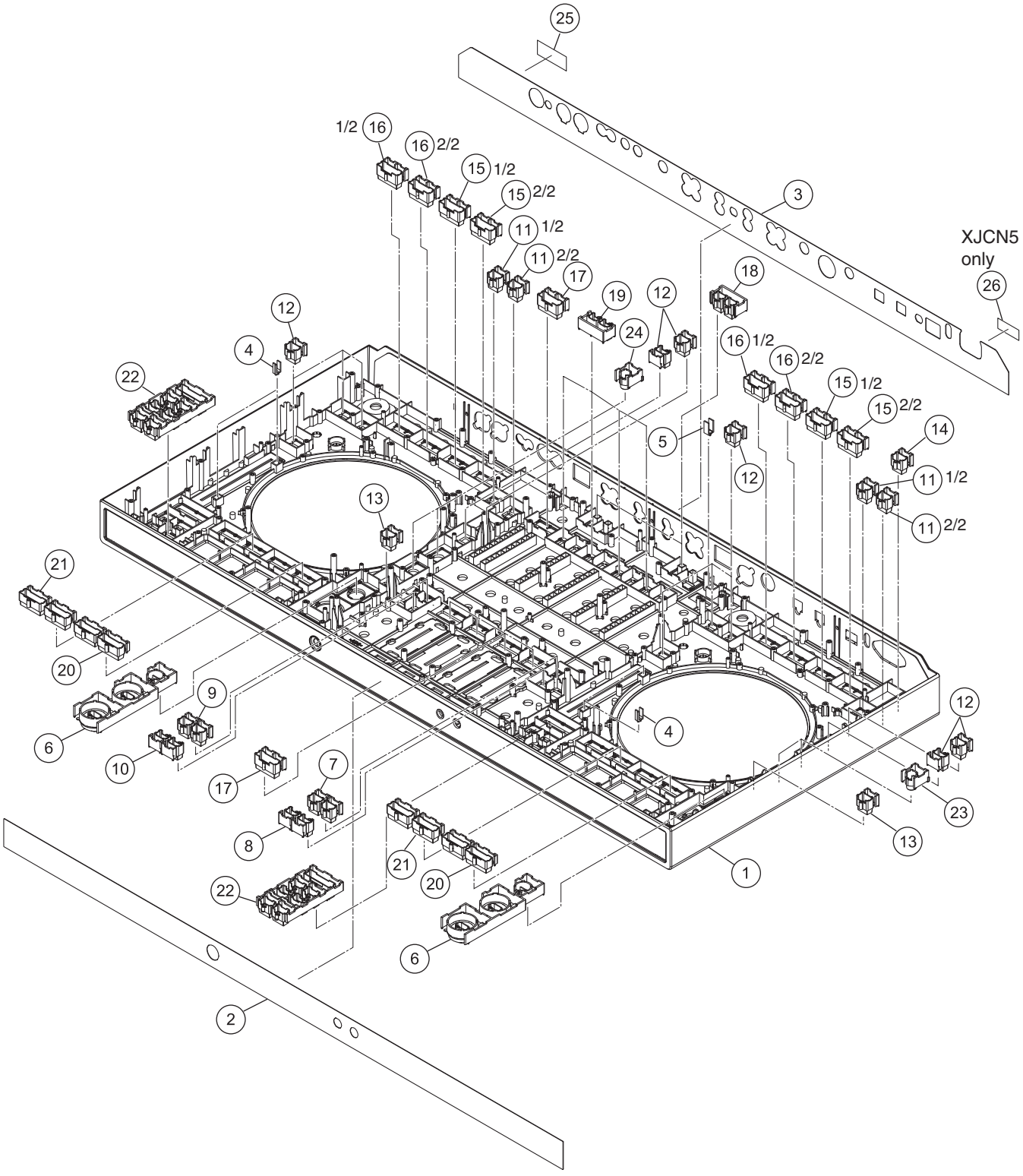
∗**Note:**
The spacer/CHF (Part No.: DEC3558) is used only for the products of the first production lot.
Be sure to insert the spacer into the position shown in the figure during reassembly after disassembly.



MIXER SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	MXRA Assy	DWX3543
	2	MXRB Assy	DWX3544
	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
	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
	21	Shaft Holder	DNK5852
	22	Holder	VEC1355
	23	•••••	
	24	•••••	
	25	Screw	BBZ30P060FTB
	26	Screw	BPZ20P060FTC
	27	Screw	BPZ30P080FNI
	28	Screw	BSZ20P040FTB
	29	Screw	CPZ26P080FTC
	30	Screw	PMH20P040FTC

9.6 PANEL and BUTTON SECTION



(1) PANEL and BUTTON SECTION PARTS LIST

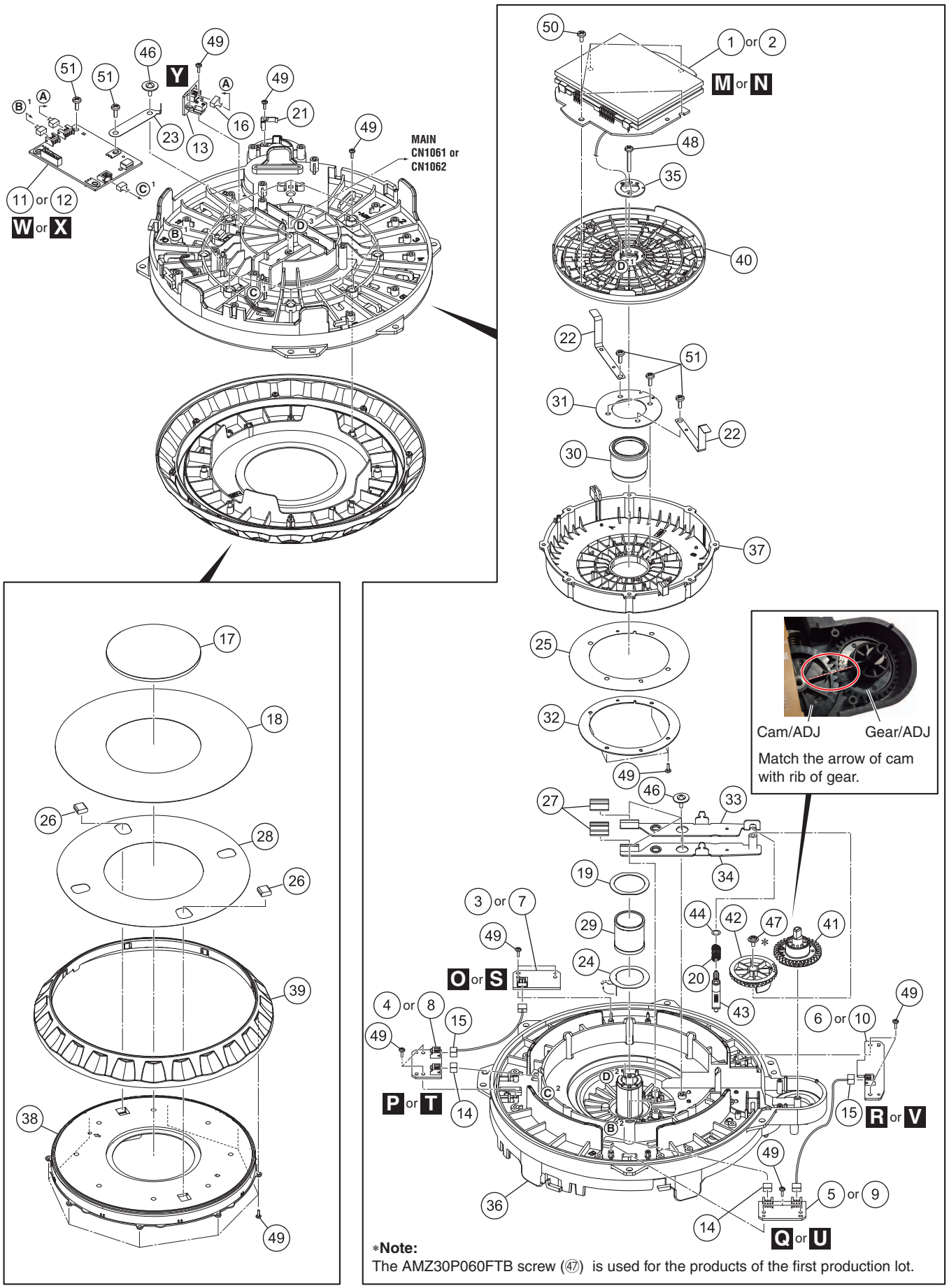
Mark	No.	Description	Part No.
	1	Control Panel	DNK6285
	2	Sheet/FR	DAH2991
	3	Sheet	See Contrast table (2)
	4	Lens/TMP	DNK6307
	5	Lens/MIC	DNK6308
	6	Button/PLY	DAC2982
	7	Button/CX1	DAC2983
	8	Button/CX2	DAC2984
	9	Button/FX1	DAC2985
	10	Button/FX2	DAC2986
	11	Button/CEN	DAC2987
	12	Button/ANY	DAC2988
	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
	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)

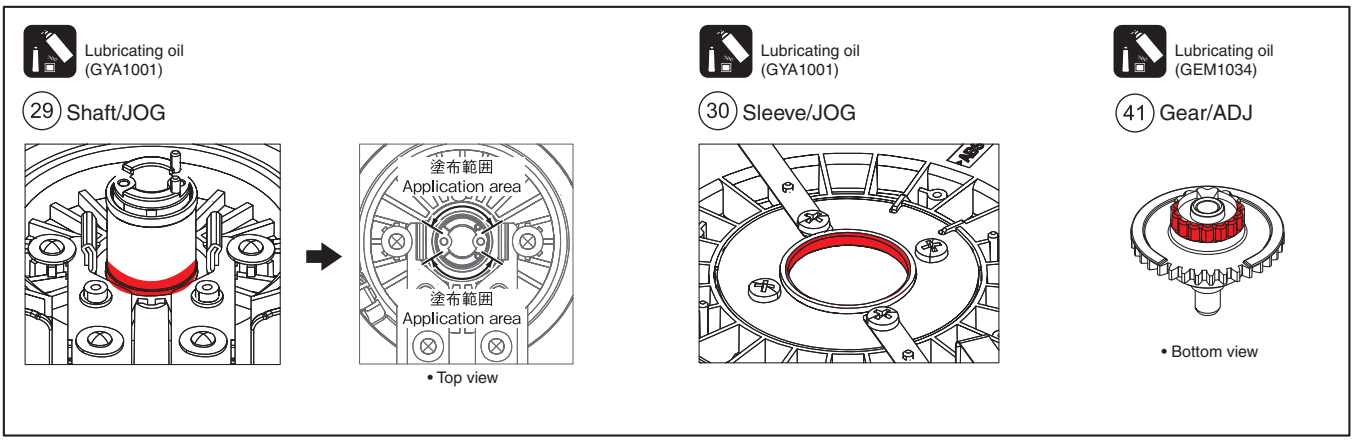
(2) CONTRAST TABLE

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





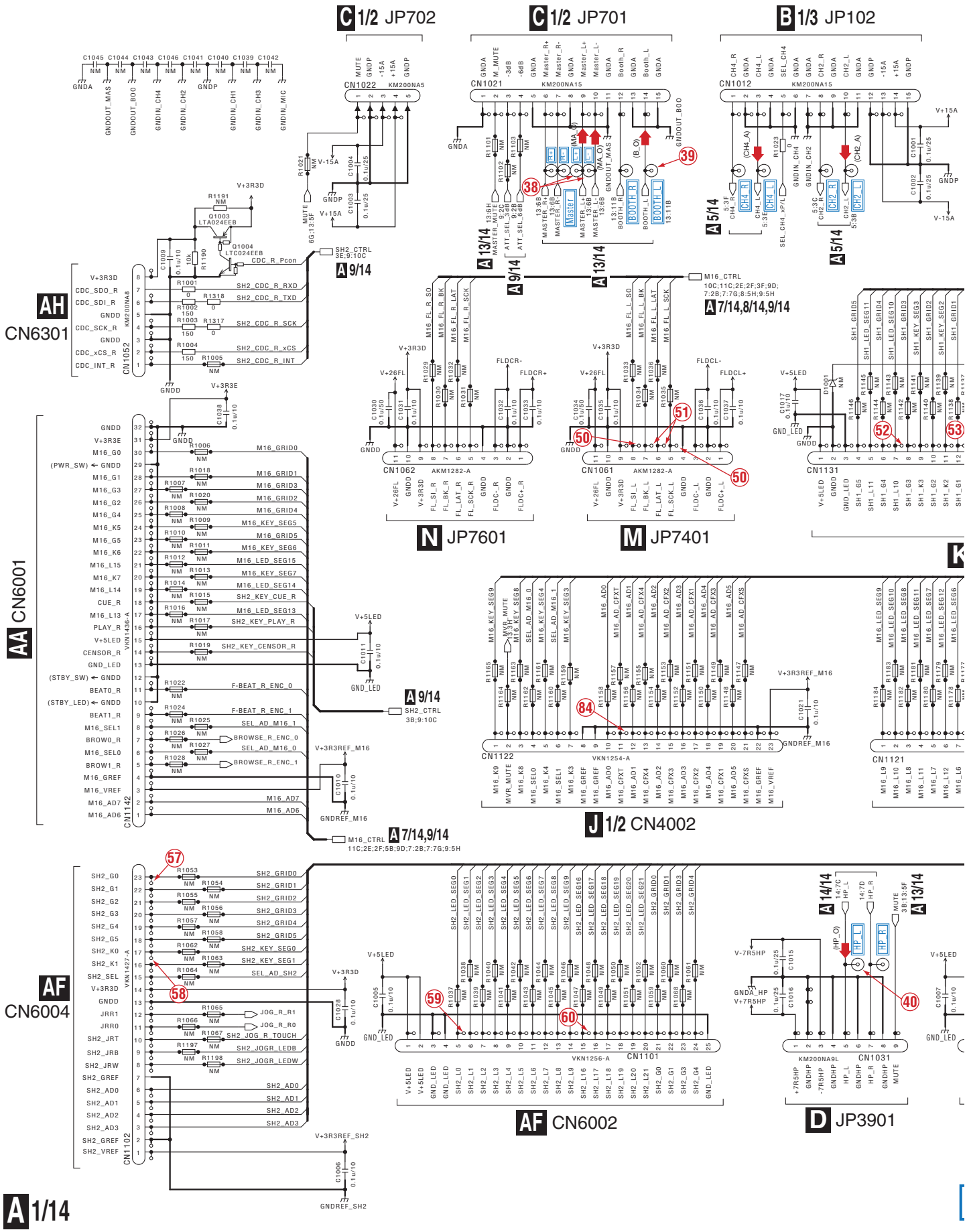
JOG DIAL SECTION PARTS LIST

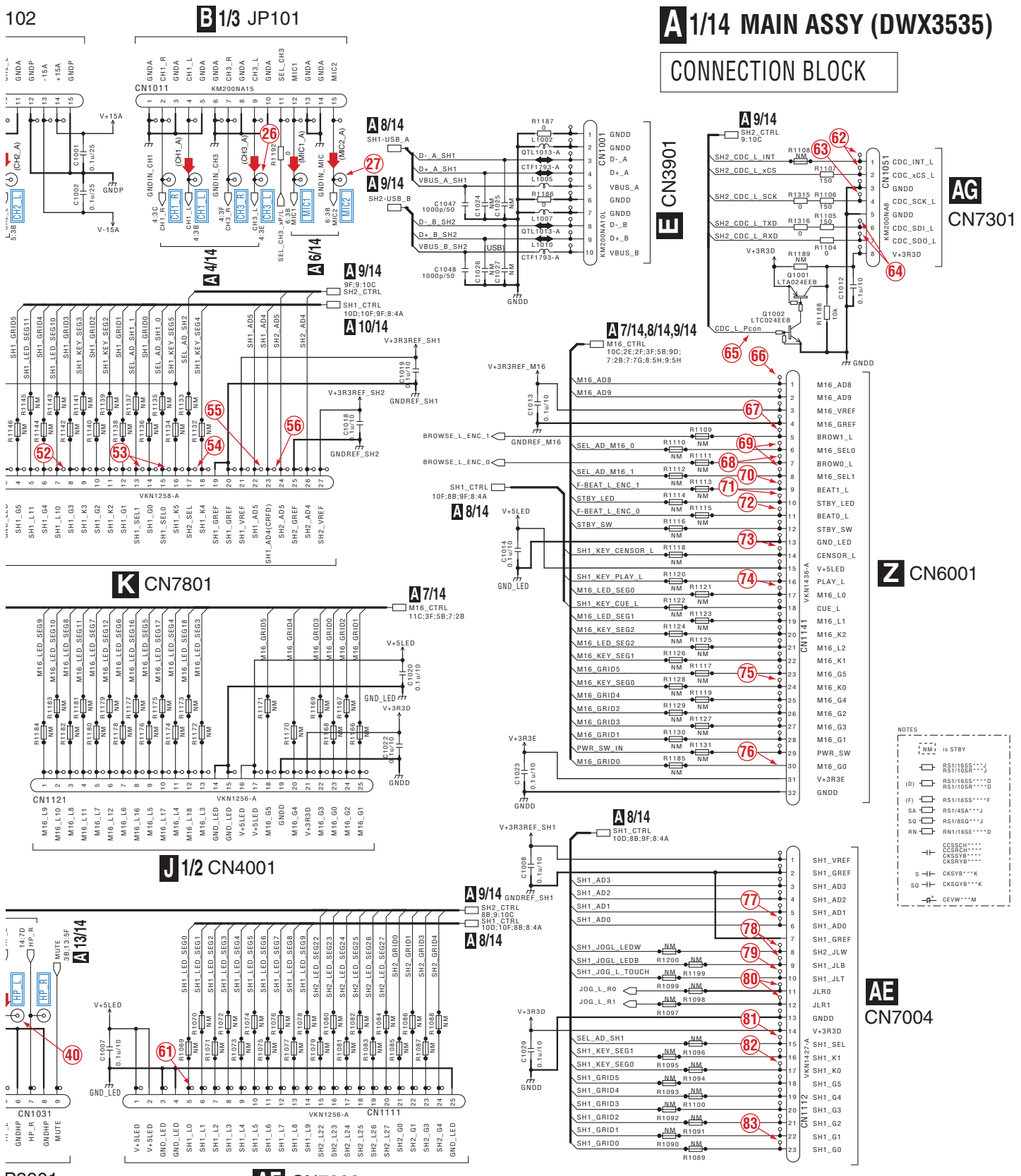
Mark	No.	Description	Part No.
	1	JFLL Assy	DWX3545
	2	JFLR Assy	DWX3546
	3	JLL1 Assy	DWX3556
	4	JLL2 Assy	DWX3557
	5	JLL3 Assy	DWX3558
	6	JLL4 Assy	DWX3559
	7	JLR1 Assy	DWX3561
	8	JLR2 Assy	DWX3562
	9	JLR3 Assy	DWX3563
	10	JLR4 Assy	DWX3564
	11	JOGTL Assy	DWX3551
	12	JOGTR Assy	DWX3565
	13	JOGR Assy	DWX3552
	14	Connector Assy	PF03PP-B07
	15	Connector Assy	PF03PP-B12
	16	Connector Assy	PF04PP-B12
	17	Jog Panel	DAH2609
	18	Plate/JOG	DAH2915
	19	Washer/JOG	DBE1016
	20	Coil Spring/ADJ	DBH1802
	21	Leaf Spring/ADJ	DBK1376
	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

Mark	No.	Description	Part No.
	31	Bracket/JOG	DNH3130
	32	Bracket/SLT	DNH3131
	33	Lever/A	DNH3132
	34	Lever/B	DNH3133
	35	Cover/JOG	DNH3159
	36	Holder/JOG	DNK6269
	37	Jog Dial/BAS	DNK6270
	38	Jog Dial/A	DNK6271
	39	Jog Dial/B	DNK6272
	40	Holder/FL	DNK6273
	41	Gear/ADJ	DNK6274
	42	Cam/ADJ	DNK6275
	43	Pin/ADJ	DNK6276
	44	Washer	WA41D070D025
	45	•••••	
	46	DM Screw (FTC)	DBA1260
	47	Screw	IMZ30P060FTB
	48	Screw	BBZ30P180FTC
	49	Screw	BPZ20P060FTC
	50	Screw	BPZ30P060FTC
	51	Screw	BPZ30P080FNI

10. SCHEMATIC DIAGRAM

10.1 MAIN ASSY (1/14)

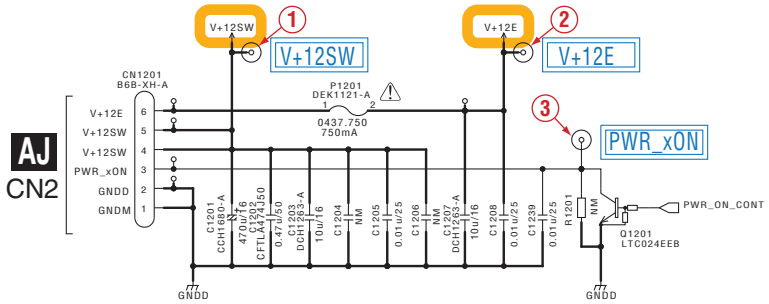



A 1/14 MAIN ASSY (DWX3535)
CONNECTION BLOCK
B 1/3 JP101
CN1011
KM200NA15
A 8/14
A 9/14
E CN3901
CN1001
KM20DNAT0L
AG CN7301
CN1051
KM20DNA8
A 4/14
A 6/14
A 10/14
VKN1258-A
K CN7801
A 7/14,8/14,9/14
M16_CTRL
Z CN6001
CN1141
VKN1436-A
A 7/14
CN1121
VKN1256-A
J 1/2 CN4001
A 13/14
P3901
CN1031
AE CN7002
CN1111
A 8/14
SH1_CTRL
AE CN7004
CN1112
VKN1427-A
A 9/14
SH2_CTRL
SH1_CTRL
A 10/14
NOTES
NM is STBY
(CH1_A) : CH1 Audio Signal (L ch)
(CH2_A) : CH2 Audio Signal (L ch)
(CH3_A) : CH3 Audio Signal (L ch)
(CH4_A) : CH4 Audio Signal (L ch)
(MIC1_A) : MIC1 Audio Signal
(MIC2_A) : MIC1 Audio Signal
(HP_O) : HP OUT Signal (L ch)
(MA_O) : MASTER OUT Signal (L ch)
(B_O) : BOOTH OUT Signal (L ch)
***** The check point for service. (Legend silk indication on the PCB.)
A 1/14
DDJ-SZ
89

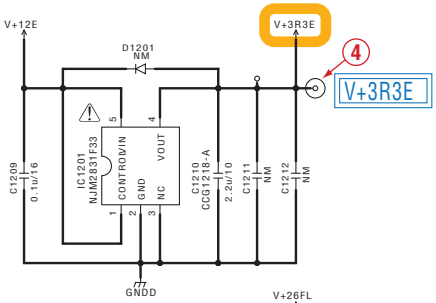
10.2 MAIN ASSY (2/14)

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE ONLY WITH SAME TYPE NO.
0437.750. MFD. BY LITTELFUSE INC. FOR P1201.

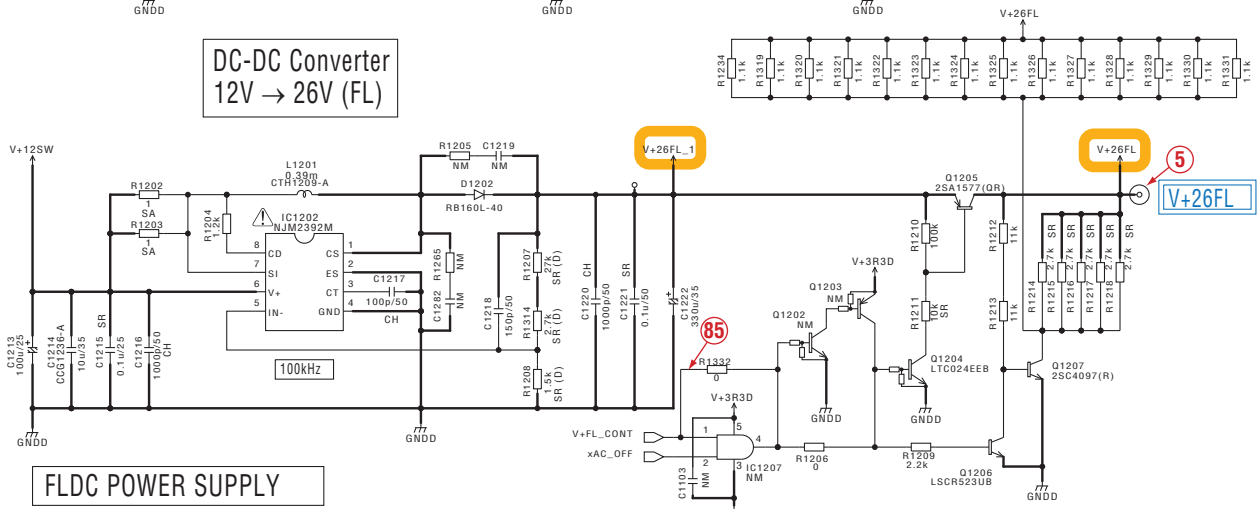
FROM/TO POWER SUPPLY



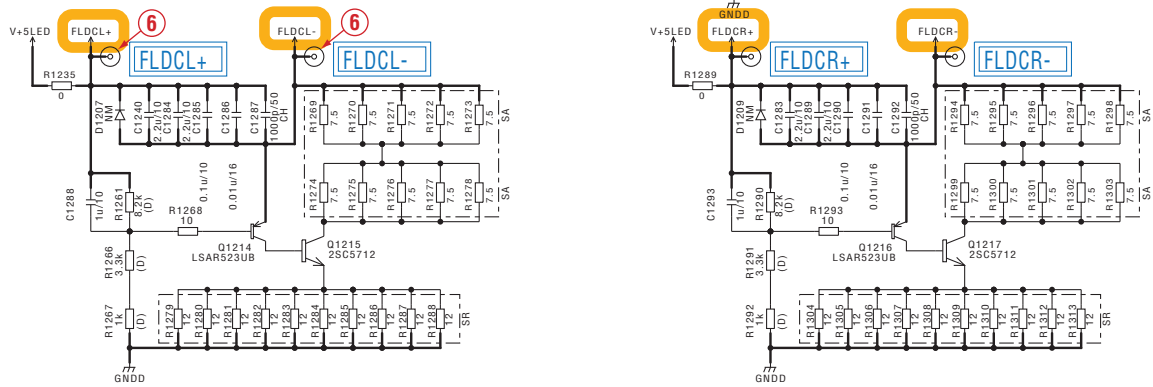
Regulator 12V (E) → 3.3V (E)



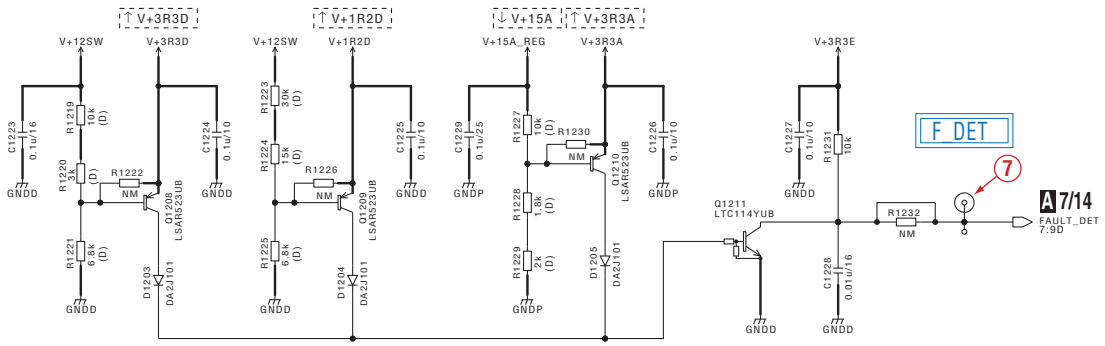
DC-DC Converter 12V → 26V (FL)



FLDC POWER SUPPLY



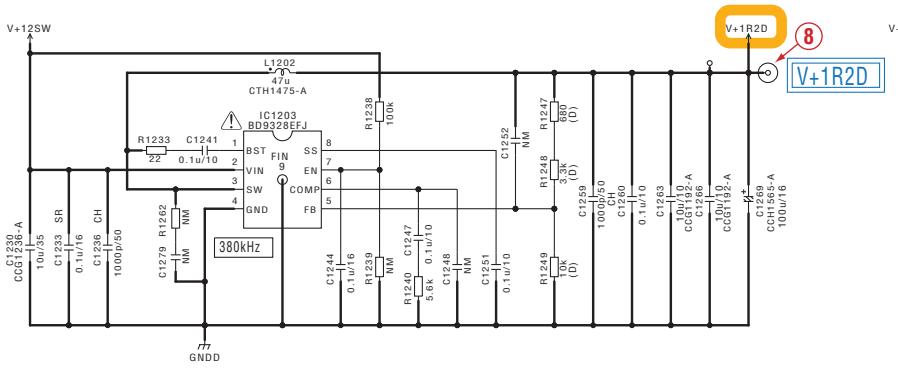
VOLTAGE DETECTION CIRCUIT



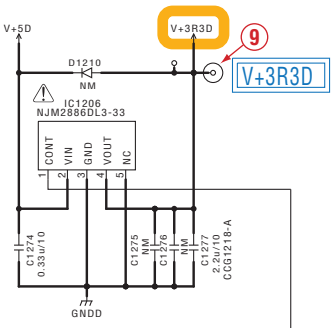
A 2/14 MAIN ASSY (DWX3535)

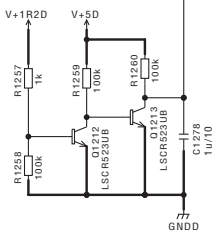
POWER1

DC-DC Converter 12V → 1.25V (D)

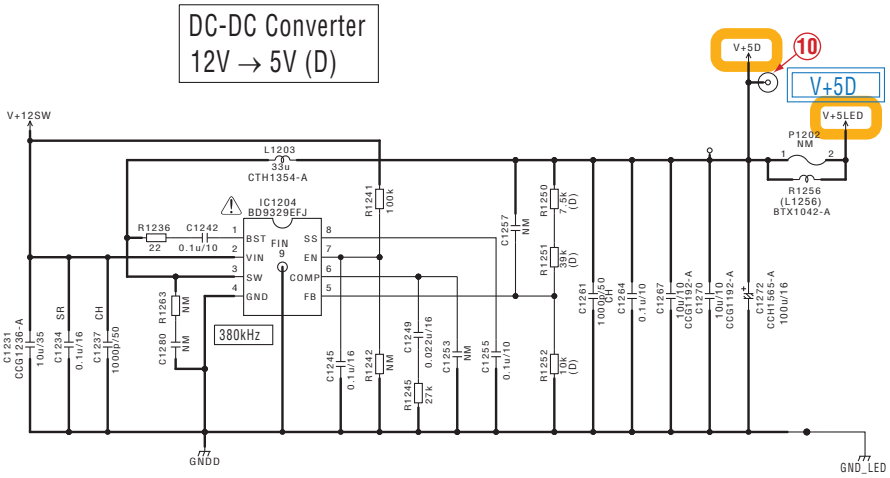


Regulator 5V → 3.3V (D)

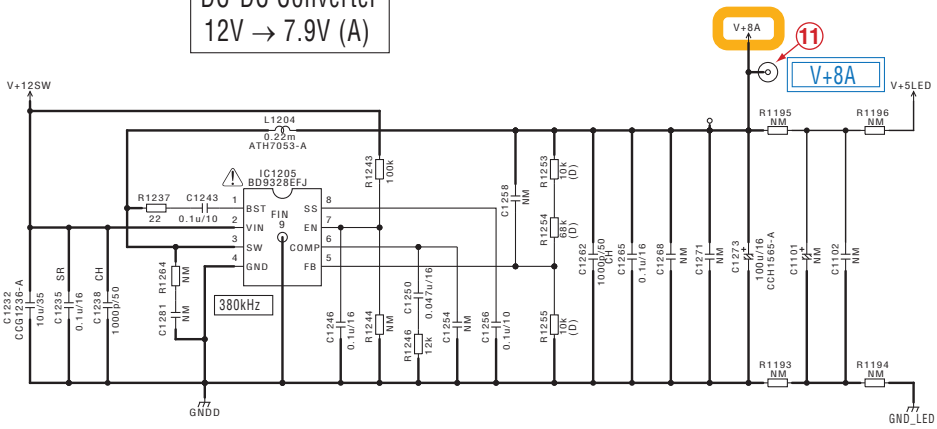




DC-DC Converter 12V → 5V (D)



DC-DC Converter 12V → 7.9V (A)



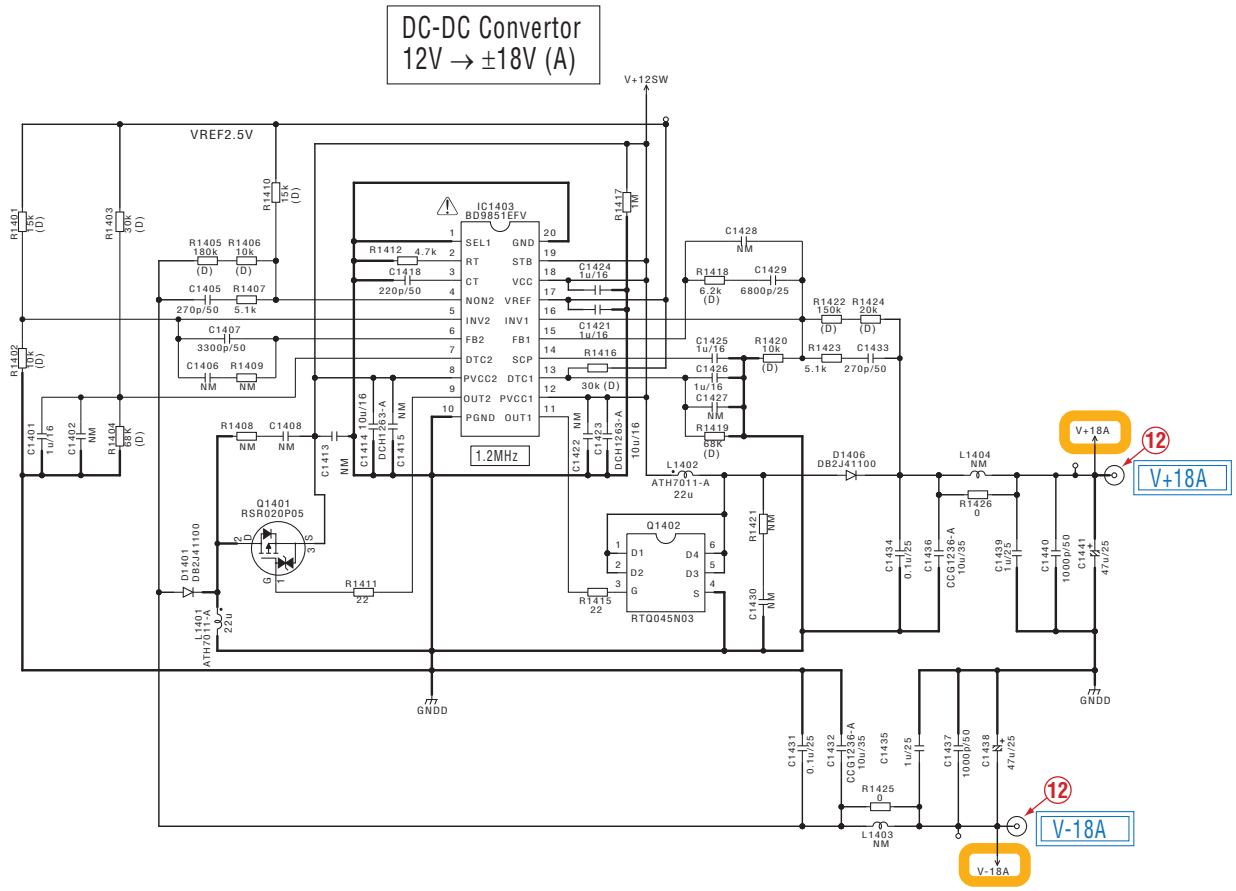
NOTES

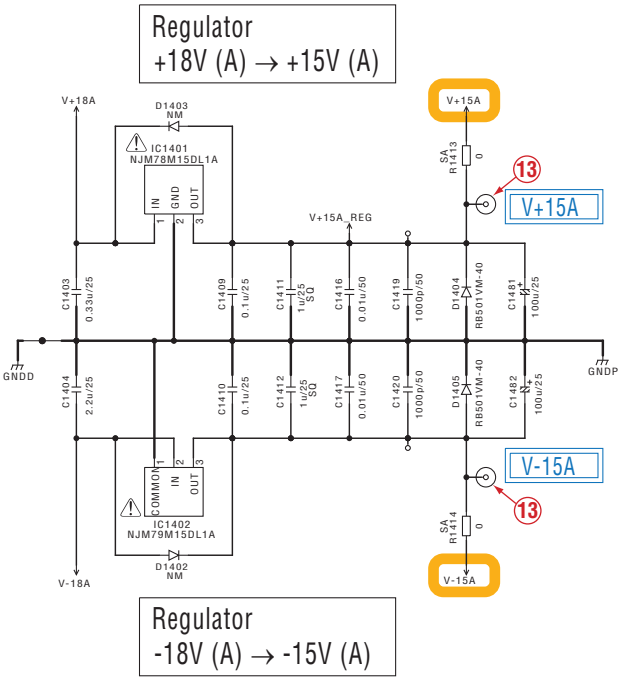
	NM	is STBY
		RS1/16SS***J RS1/10SR***J
(D)		RS1/16SS****D RS1/10SR****D
(F)		RS1/16SS****F
SA		RS1/4SA***J
SQ		RS1/8SQ***J
RN		RN1/16SE****D
		CCSSCH**** CCSRCH**** CKSSYB**** CKSRYB****
S		CKSYB***K
SQ		CKSQYB***K
		CEVW***M

⚠ 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.)

10.3 MAIN ASSY (3/14)

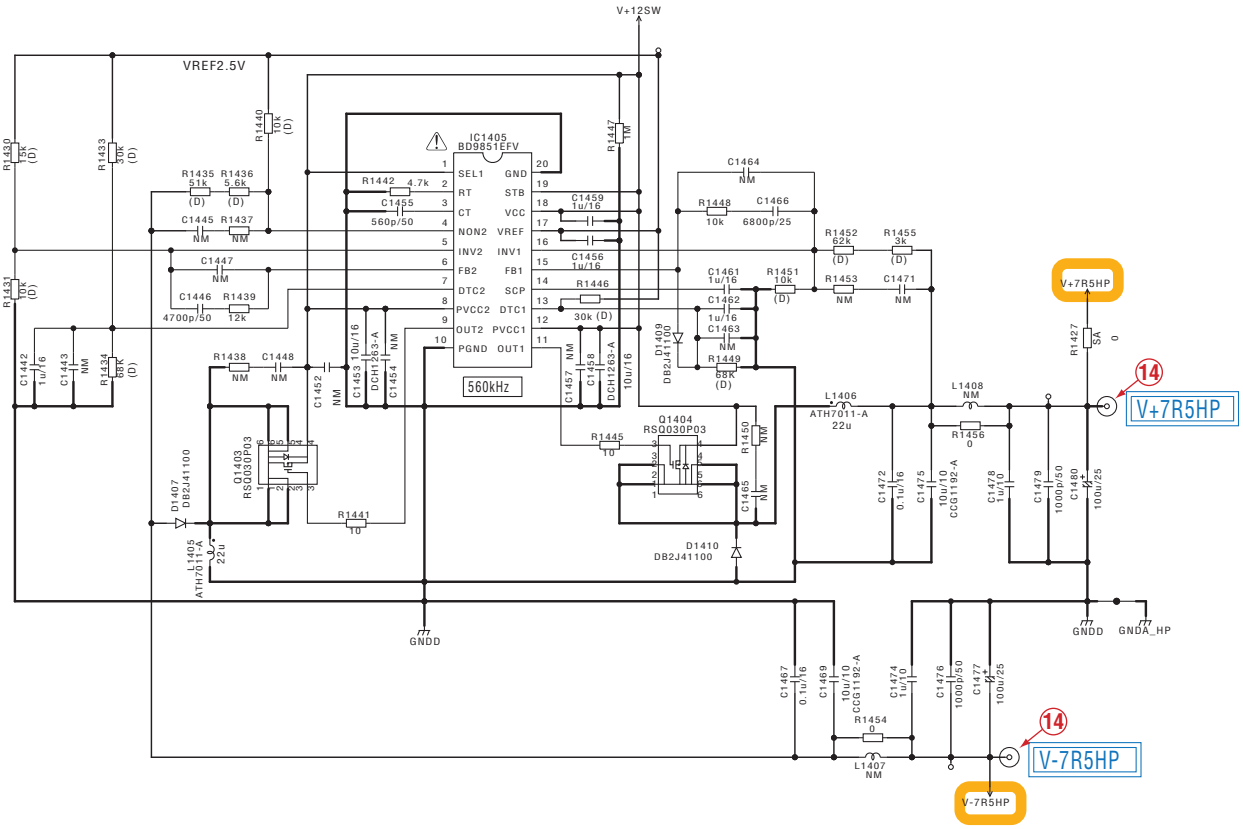




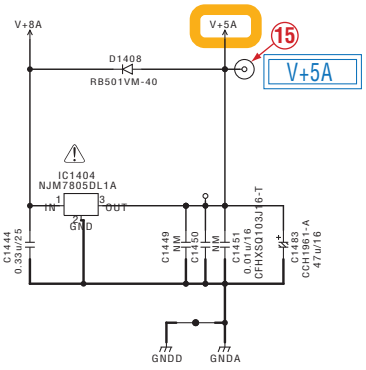
A 3/14 MAIN ASSY (DWX3535)

POWER2

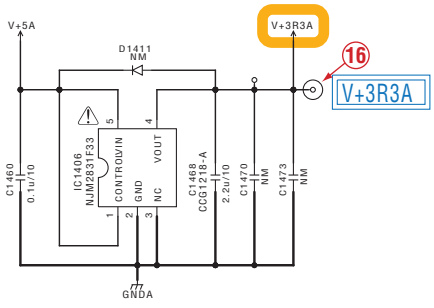
DC-DC Convertor
12V → ±7.5V (HP)



Regulator
7.9V (A) → 5V (A)



Regulator
5V (A) → 3.3V (A)



NOTES

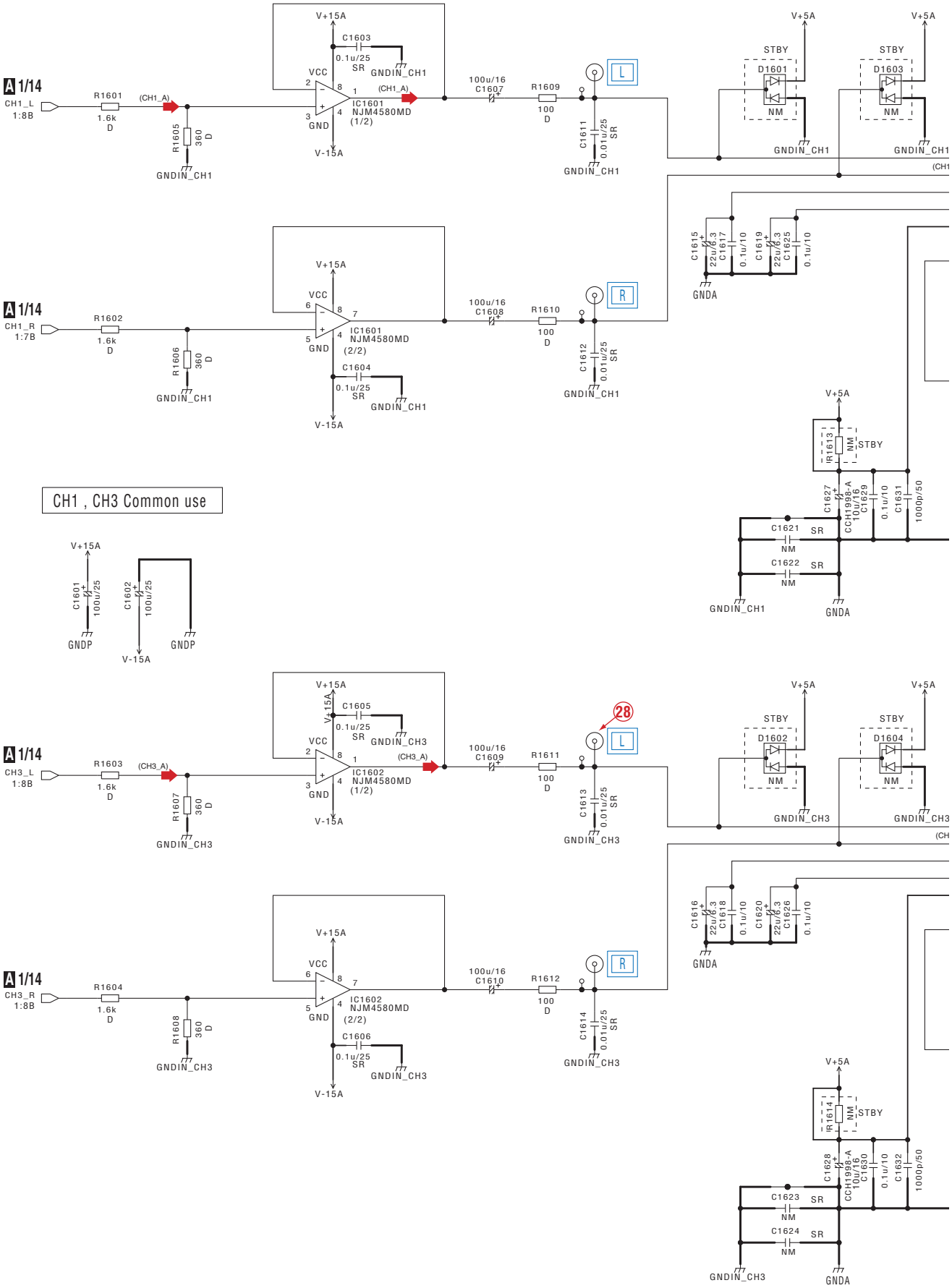
NM	is STBY
	RS1/16SS***J RS1/10SR***J
(D)	RS1/16SS****D RS1/10SR****D
(F)	RS1/16SS****F
SA	RS1/4SA***J
SQ	RS1/8SQ***J
RN	RN1/16SE****D
	CCSSCH**** CCSRCH**** CKSSYB**** CKSRYB****
S	CKSYB***K
SQ	CKSQYB***K
	CEVW***M

⚠ 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.)

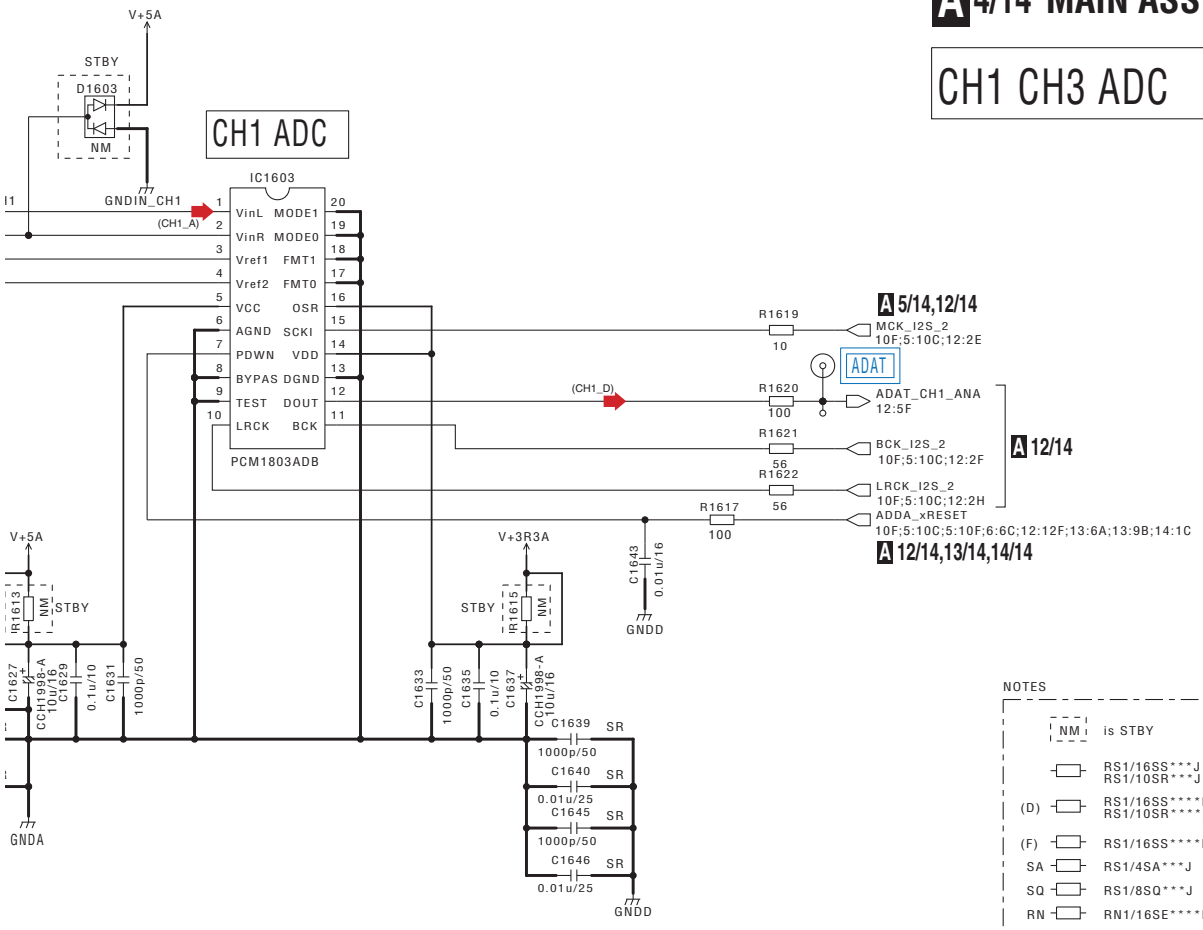
A 3/14

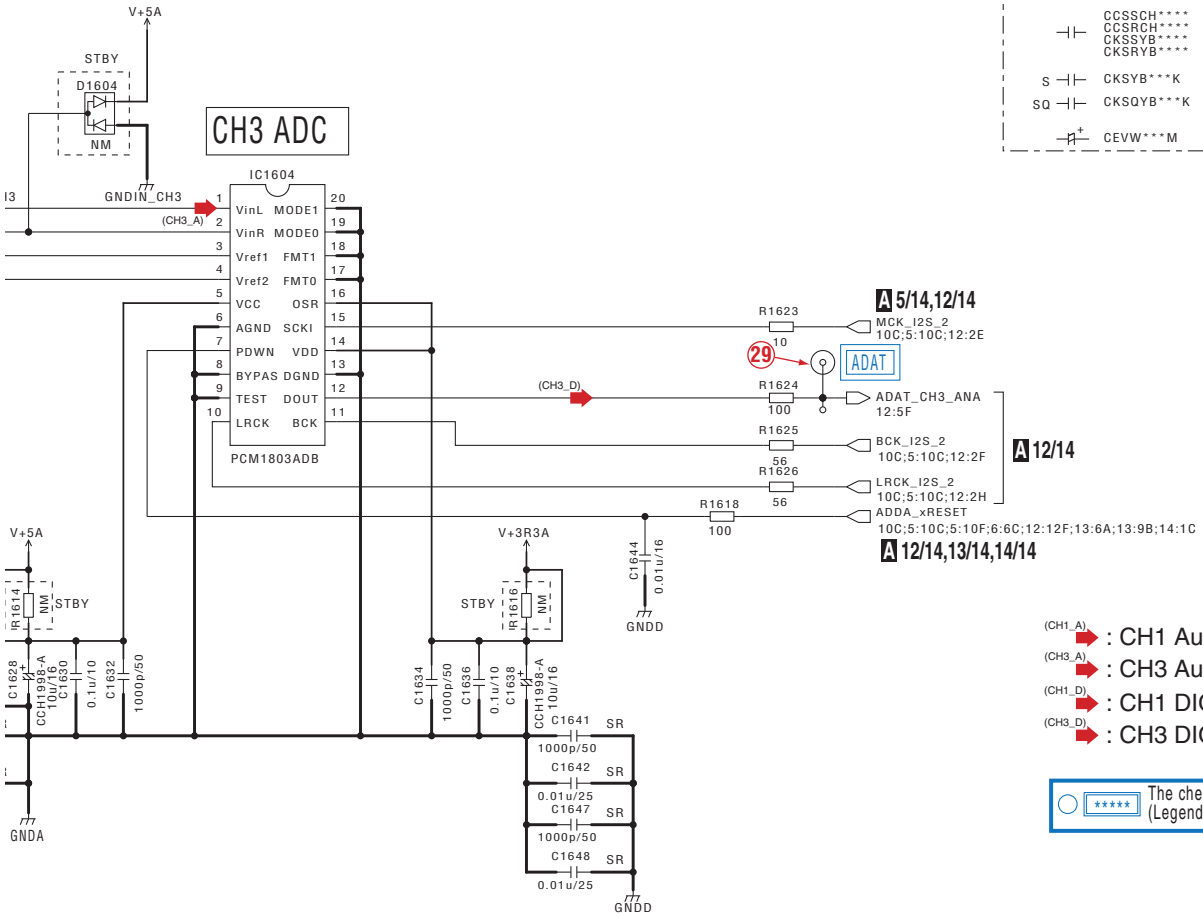
10.4 MAIN ASSY (4/14)



A 4/14 MAIN ASSY (DWX3535)

CH1 CH3 ADC





NOTES

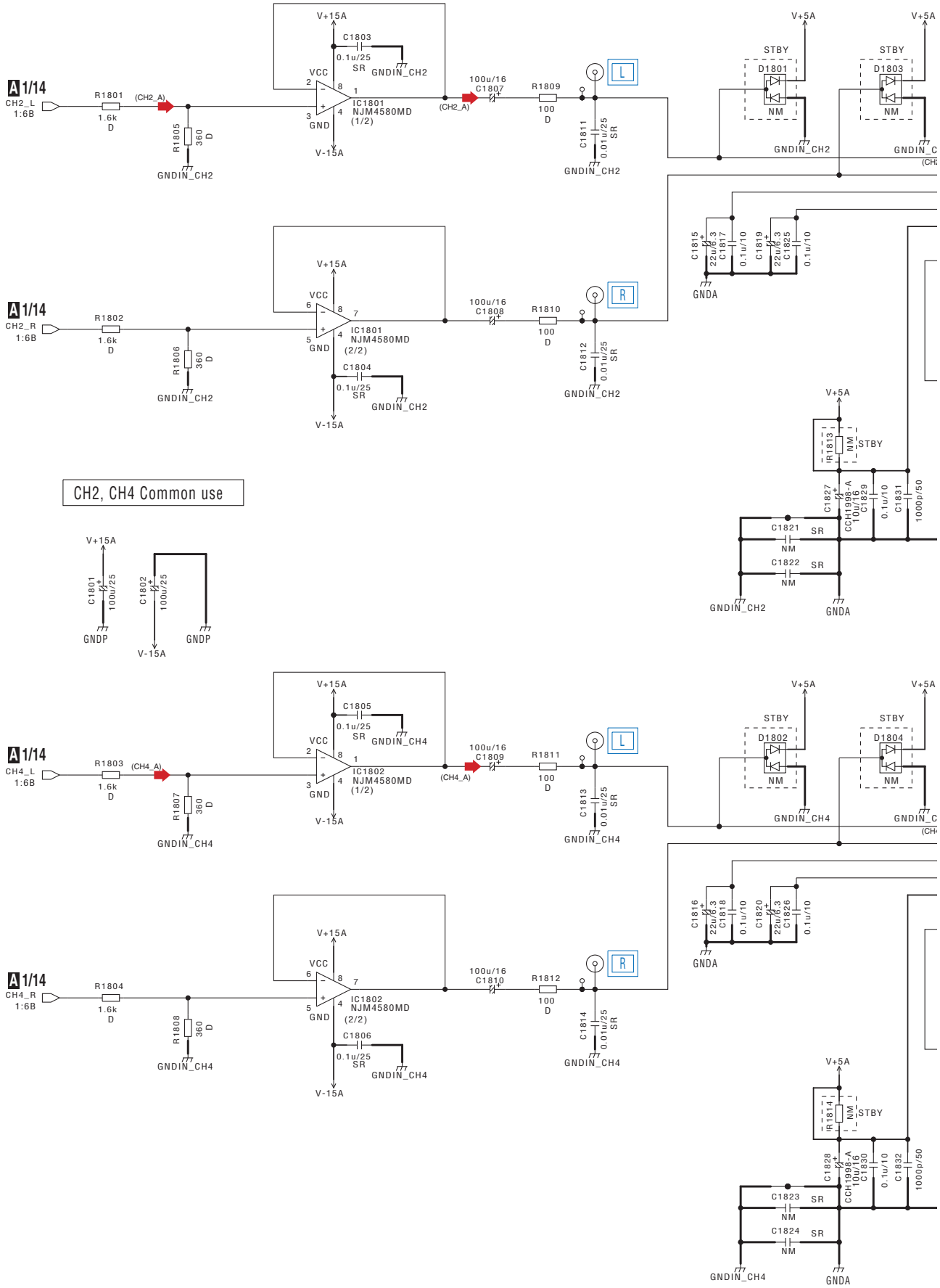
NM	is STBY
	RS1/16SS***J RS1/10SR***J
(D)	RS1/16SS****D RS1/10SR****D
(F)	RS1/16SS****F
SA	RS1/4SA***J
SQ	RS1/8SQ***J
RN	RN1/16SE****D
	CCSSCH**** CCSRCH**** CKSSYB**** CKSRYB****
S	CKSYB***K
SQ	CKSQYB***K
	CEVW***M

(CH1_A) : CH1 Audio Signal (L ch)
(CH3_A) : CH3 Audio Signal (L ch)
(CH1_D) : CH1 DIGITAL Signal
(CH3_D) : CH3 DIGITAL Signal

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

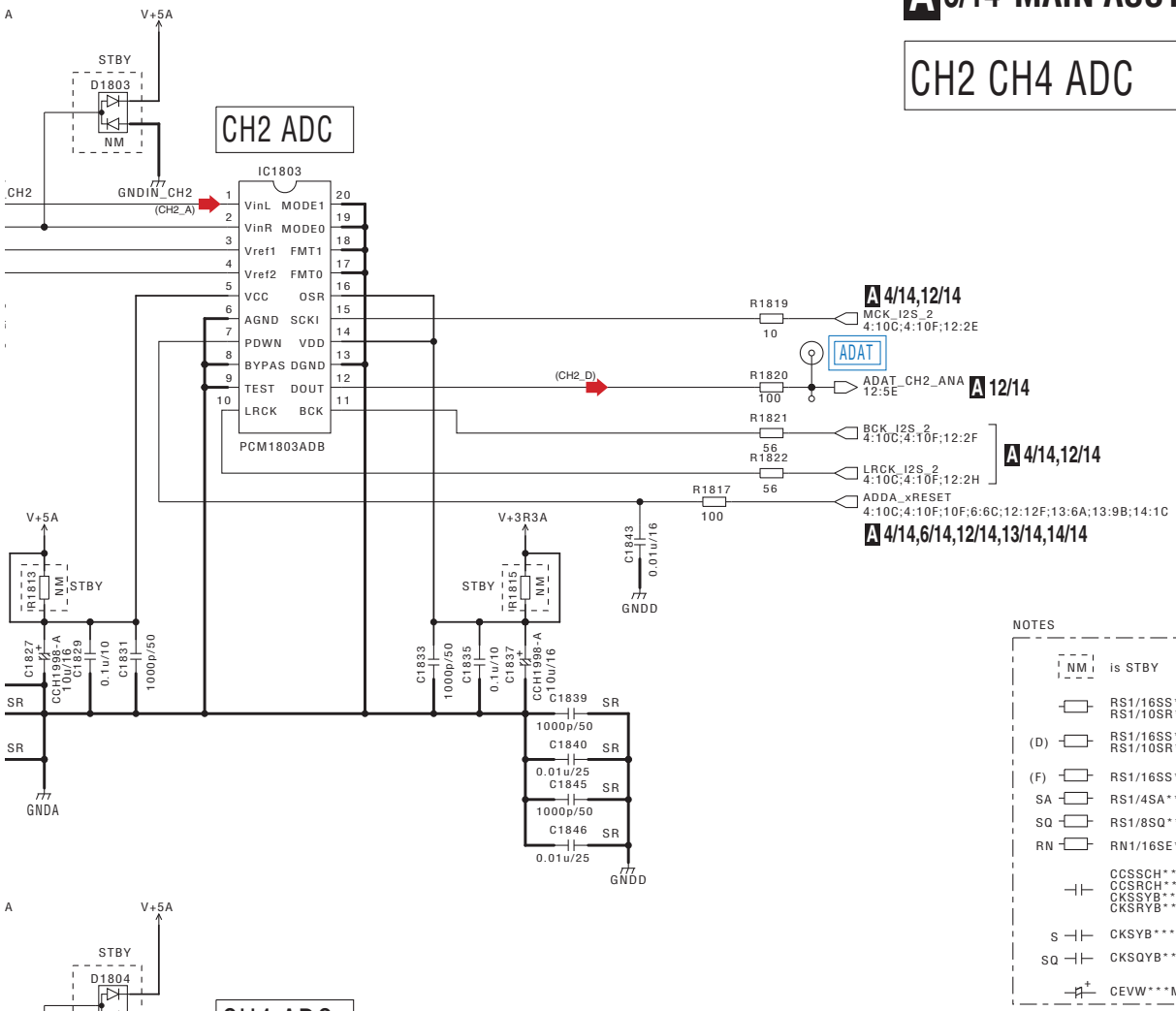
A 4/14

10.5 MAIN ASSY (5/14)



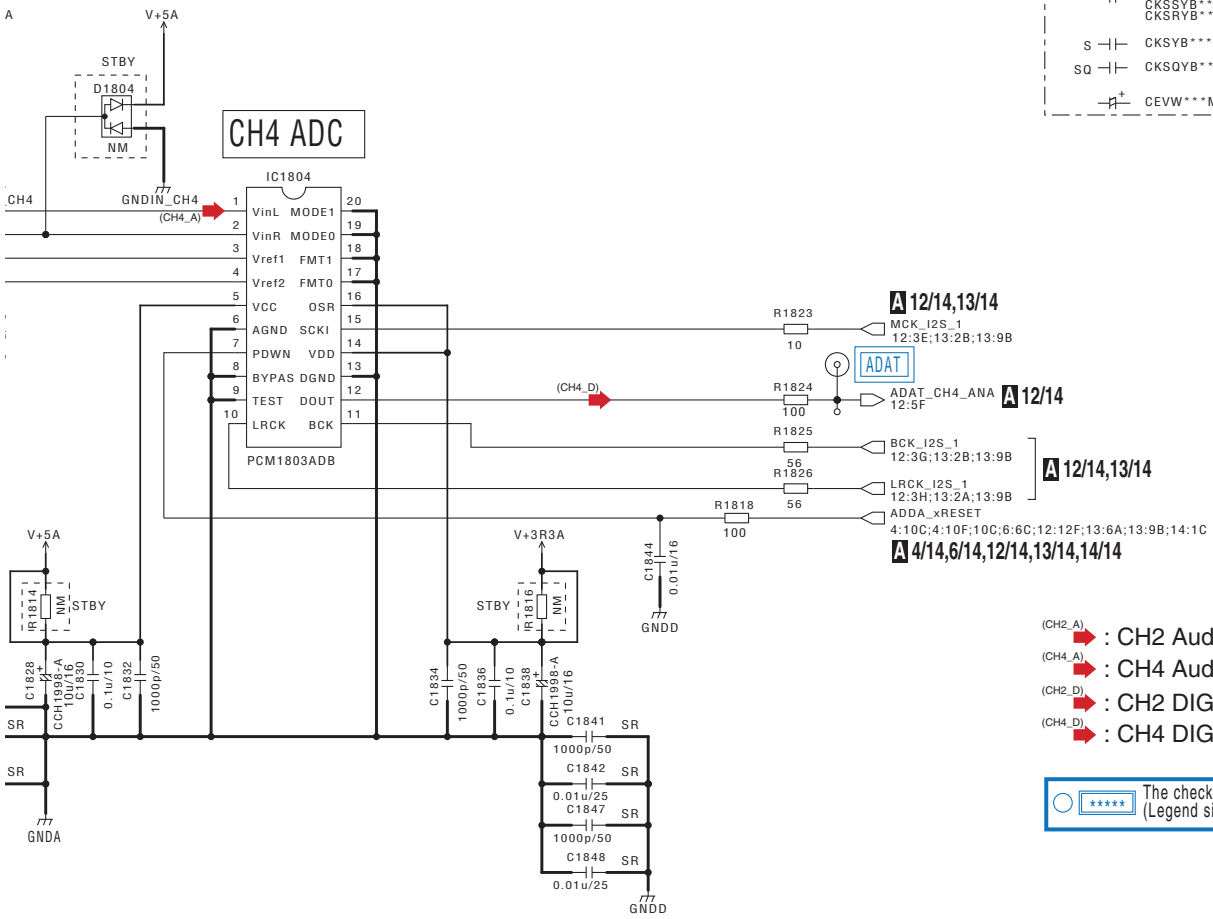
A 5/14 MAIN ASSY (DWX3535)

CH2 CH4 ADC



NOTES

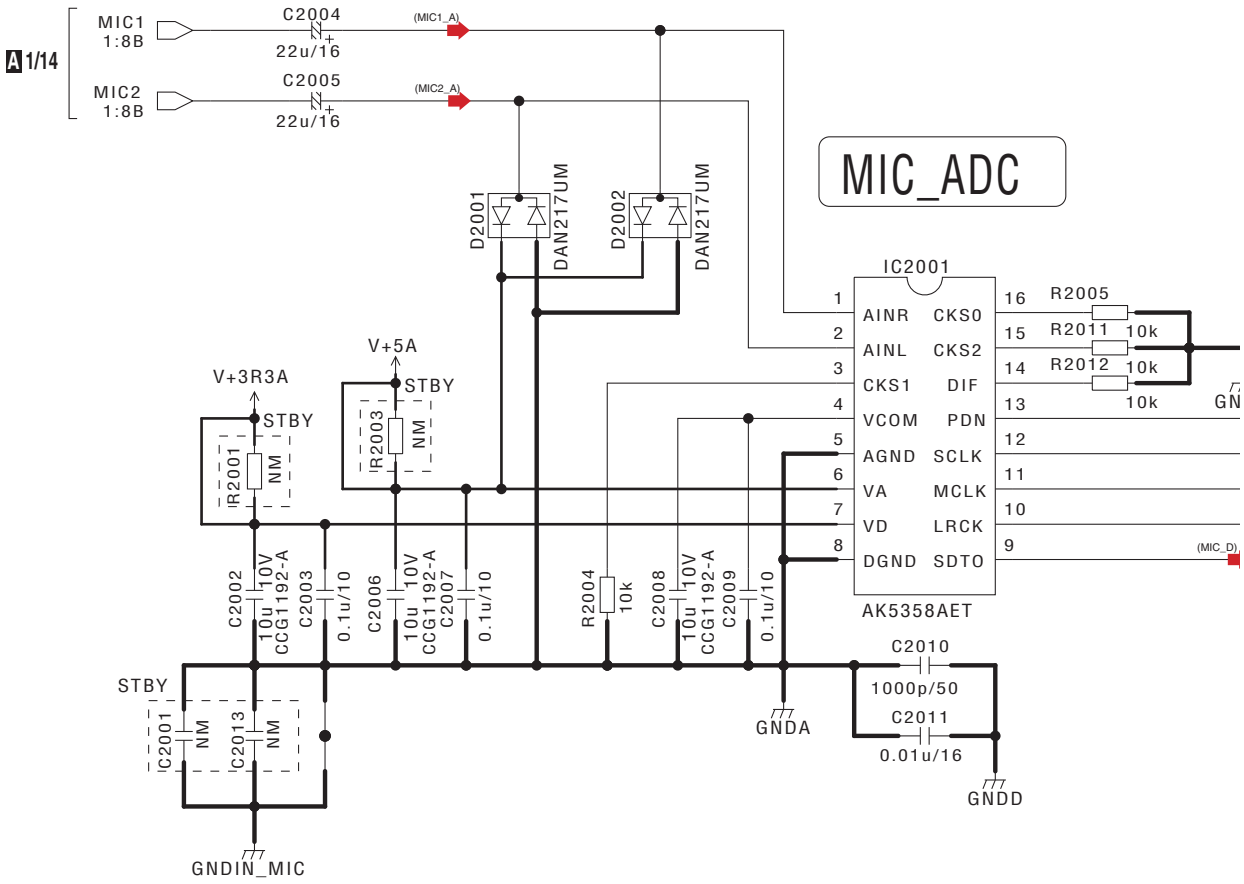
NM	is STBY
	RS1/16SS***J RS1/10SR***J
(D)	RS1/16SS****D RS1/10SR****D
(F)	RS1/16SS****F
SA	RS1/4SA***J
SQ	RS1/8SQ***J
RN	RN1/16SE****D
	CCSSCH**** CCSRCH**** CKSSYB**** CKSRYB****
S	CKSYB***K
SQ	CKSQYB***K
	CEVW***M



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

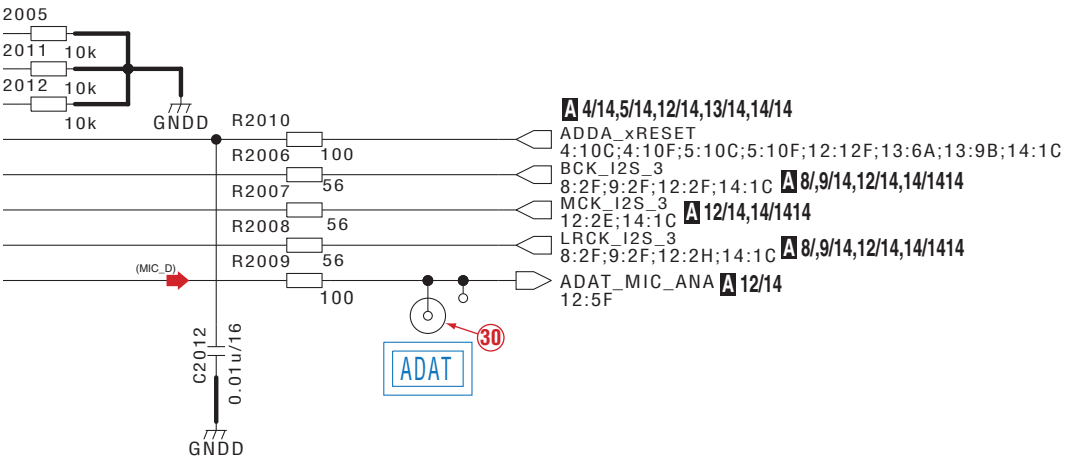
***** The check point for service. (Legend silk indication on the PCB.)

10.6 MAIN ASSY (6/14)



A 6/14 MAIN ASSY (DWX3535)

MIC 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**** 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.)

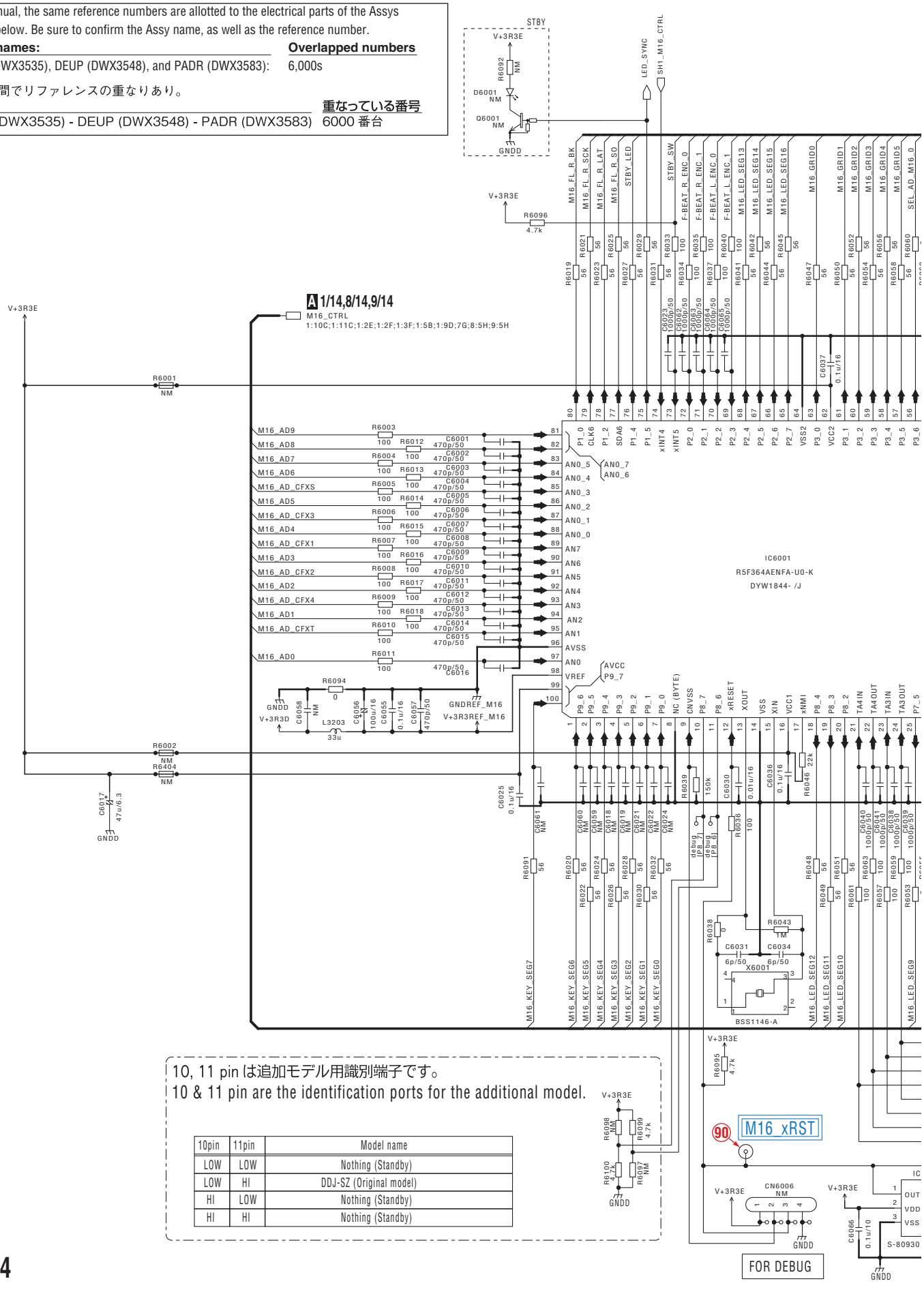
10.7 MAIN ASSY (7/14)

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:	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

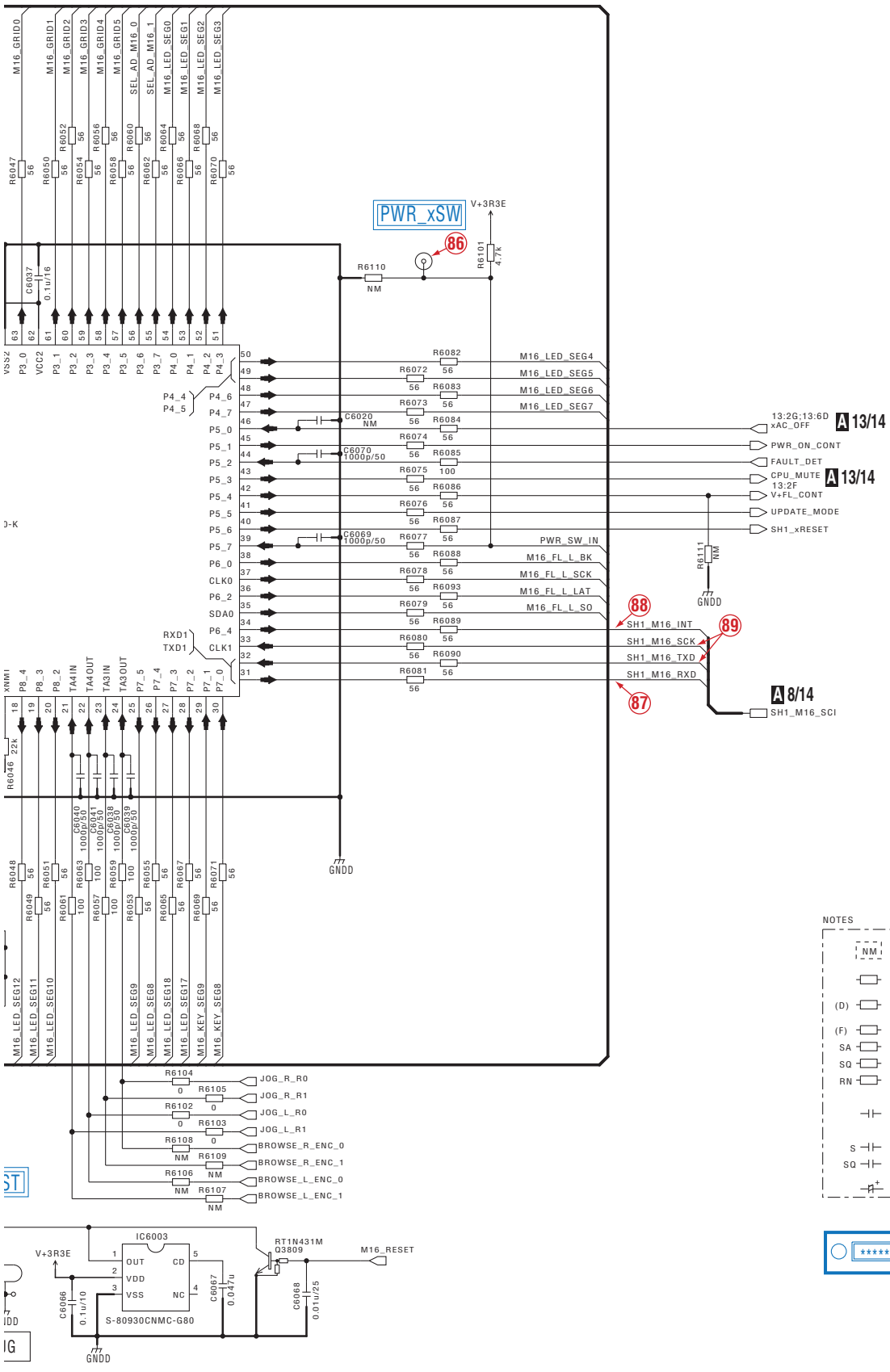


10, 11 pin は追加モデル用識別端子です。
10 & 11 pin are the identification ports for the additional model.

10pin	11pin	Model name
LOW	LOW	Nothing (Standby)
LOW	HI	DDJ-SZ (Original model)
HI	LOW	Nothing (Standby)
HI	HI	Nothing (Standby)

A 7/14 MAIN ASSY (DWX3535)

M16 BLOCK

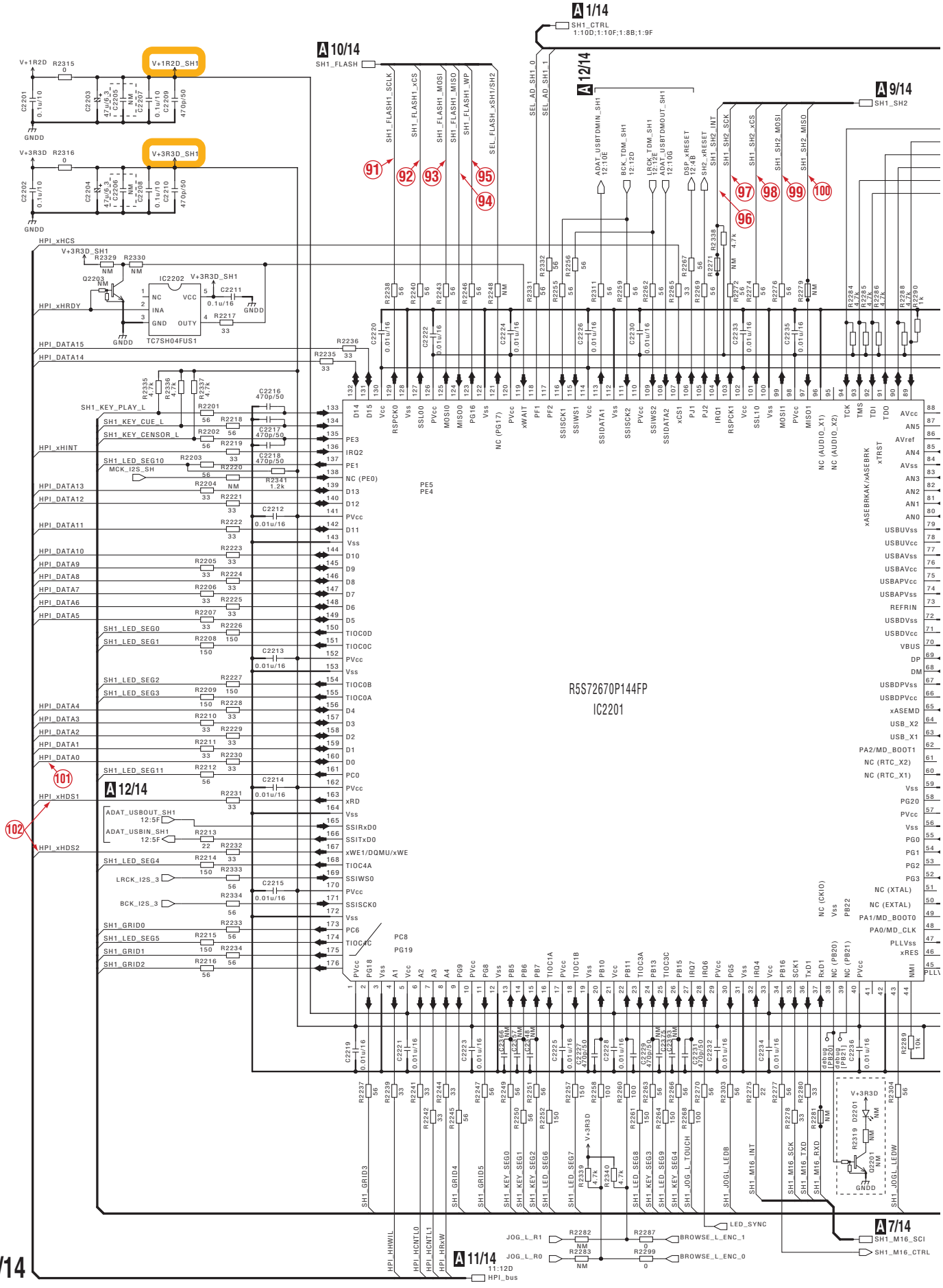


NOTES

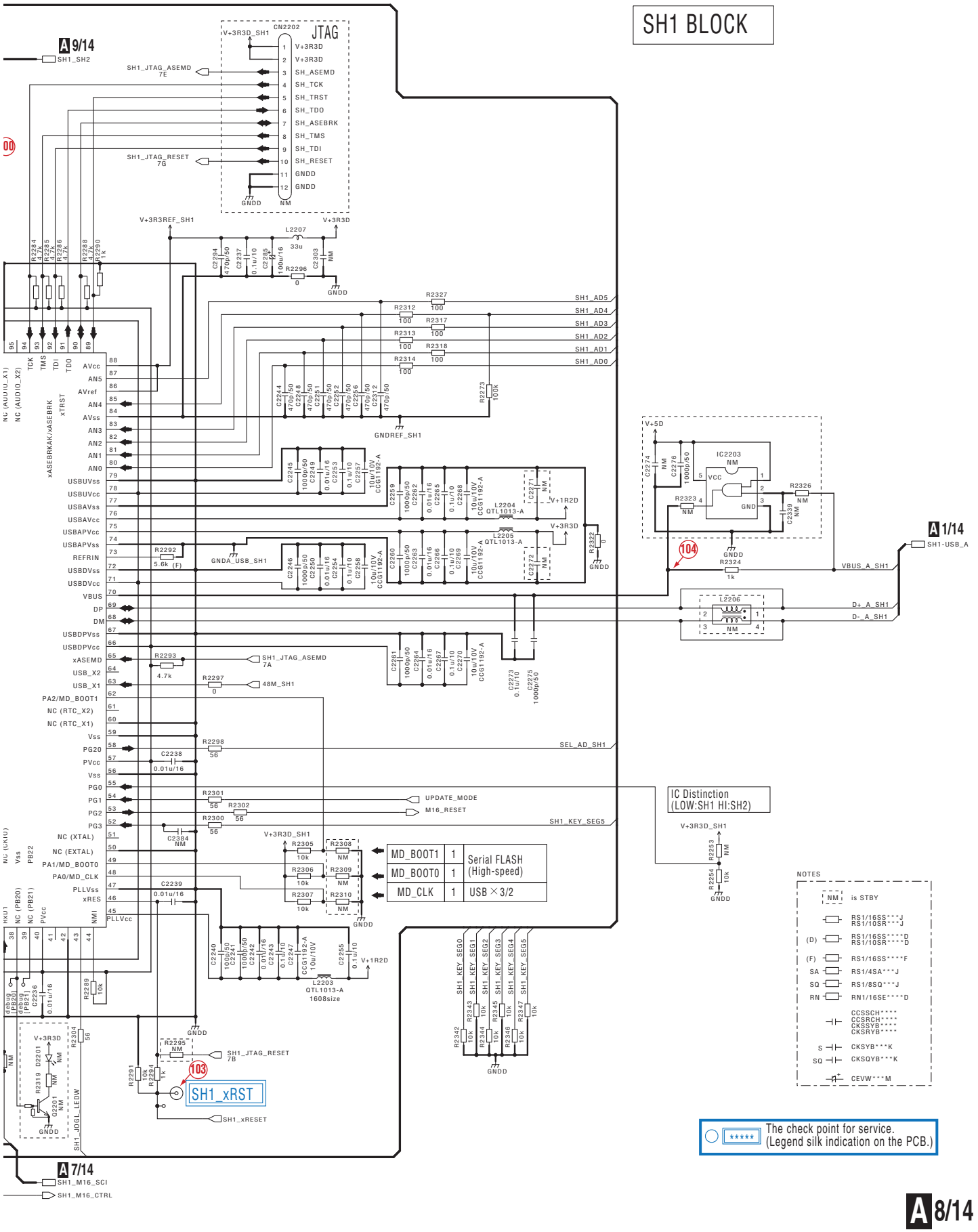
NM	is STBY
	RS1/16SS***J RS1/10SR***J
(D)	RS1/16SS****D RS1/10SR****D
(F)	RS1/16SS****F
SA	RS1/4SA***J
SQ	RS1/8SQ***J
RN	RN1/16SE****D
	CCSSCH**** CCSRCH**** CKSSYB**** CKSRYB****
S	CKSYB***K
SQ	CKSQYB***K
	CEVW***M

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

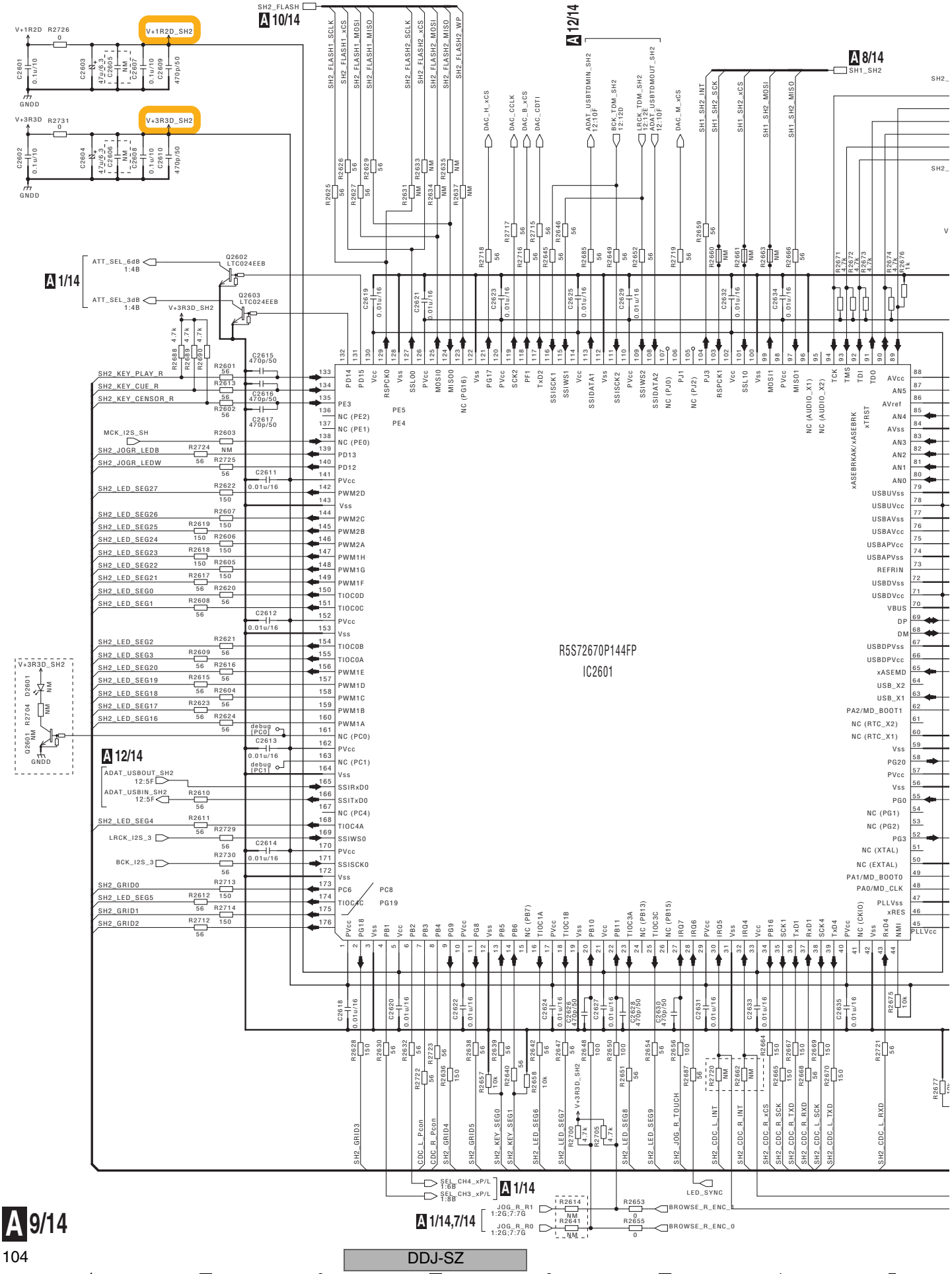
10.8 MAIN ASSY (8/14)



SH1 BLOCK

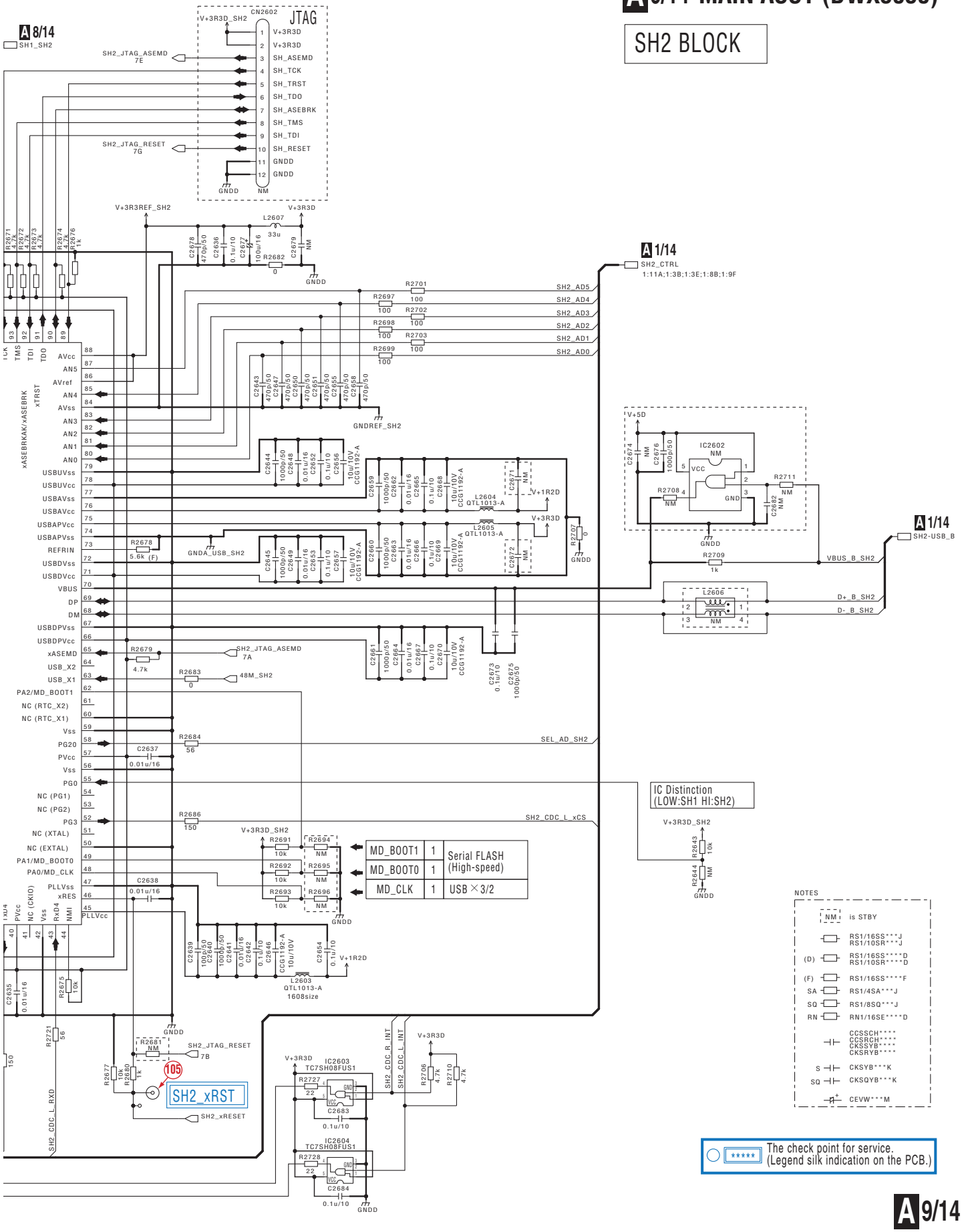

A 9/14
SH1_SH2
CN2202
JTAG
V+3R3D_SH1
SH1_JTAG_ASEMD
SH1_JTAG_RESET
SH_ASEMD
SH_TCK
SH_TRST
SH_TDO
SH_ASEBRK
SH_TMS
SH_TDI
SH_RESET
GNDD
V+3R3REF_SH1
V+3R3D
L2207
33u
SH1_AD5
SH1_AD4
SH1_AD3
SH1_AD2
SH1_AD1
SH1_AD0
GNDREF_SH1
GNDA_USB_SH1
V+1R2D
L2204
QTL1013-A
L2205
L2206
IC2203
VCC
GND
V+5D
VBUS_A_SH1
D+_A_SH1
D-_A_SH1
A 1/14
SH1-USB_A
SH1_JTAG_ASEMD
48M_SH1
SEL_AD_SH1
UPDATE_MODE
M16_RESET
SH1_KEY_SEG5
IC Distinction
(LOW:SH1 HI:SH2)
MD_BOOT1 1
MD_BOOT0 1
MD_CLK 1
Serial FLASH
(High-speed)
USB × 3/2
SH1_JTAG_RESET
SH1_xRST
SH1_xRESET
SH1_JOGL_LEDW
A 7/14
SH1_M16_SCI
SH1_M16_CTRL
NOTES
NM is STBY
RS1/16SS***J
RS1/10SR***J
RS1/16SS****D
RS1/10SR****D
RS1/16SS****F
RS1/4SA***J
RS1/8SQ***J
RN1/16SE****D
CCSSCH****
CCSRCH****
CKSSYB****
CKSRYB****
CKSYB***K
CKSQYB***K
CEVW***M
The check point for service.
(Legend silk indication on the PCB.)

10.9 MAIN ASSY (9/14)

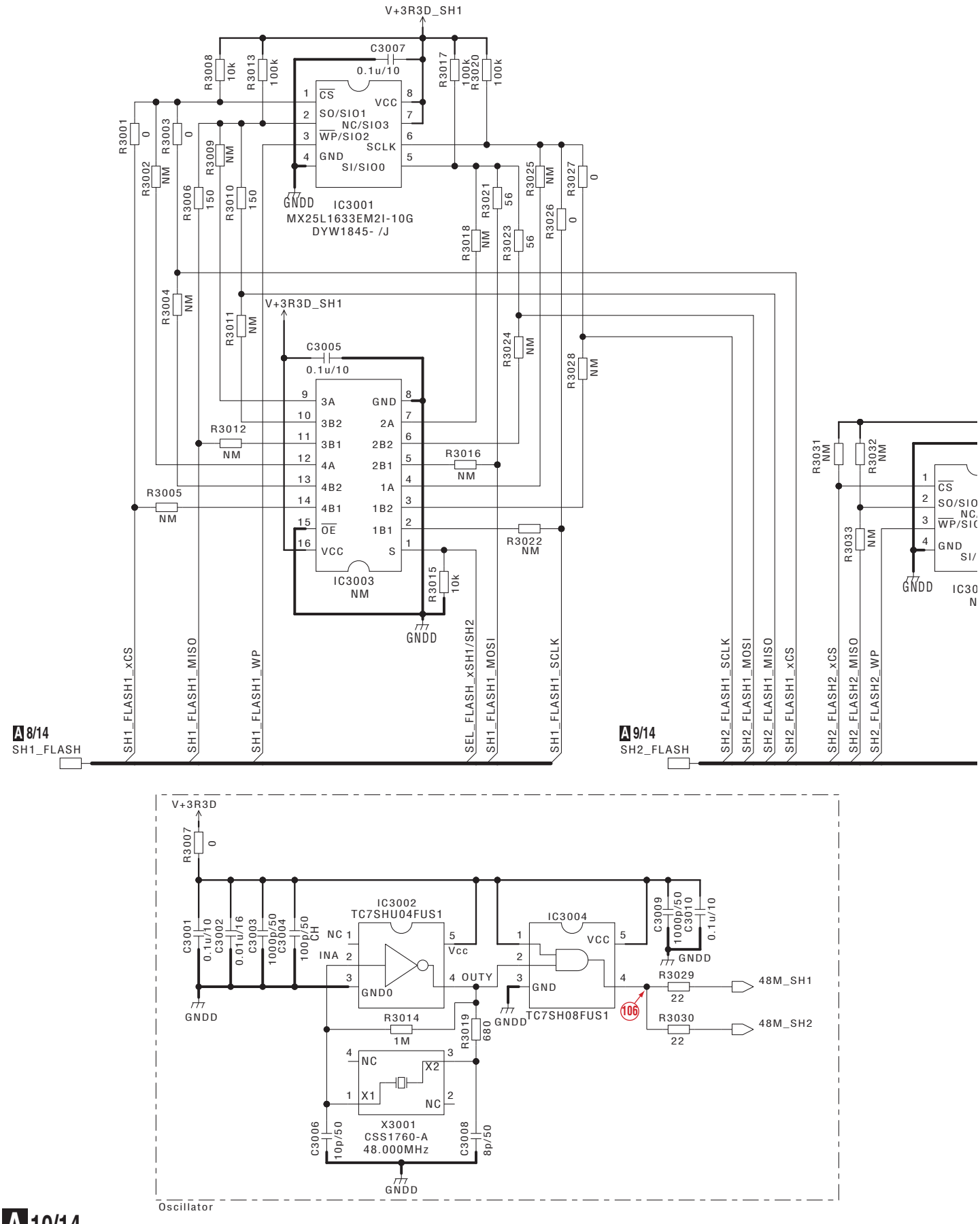


A 9/14 MAIN ASSY (DWX3535)

SH2 BLOCK

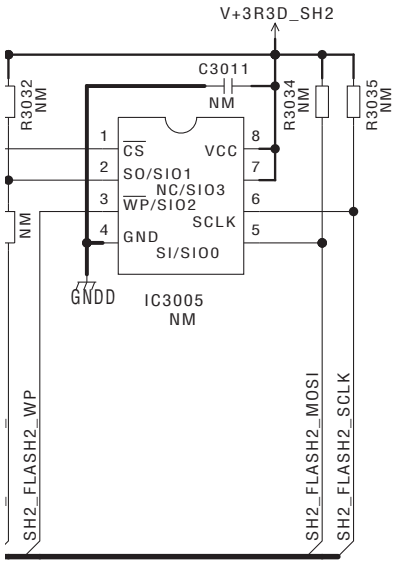


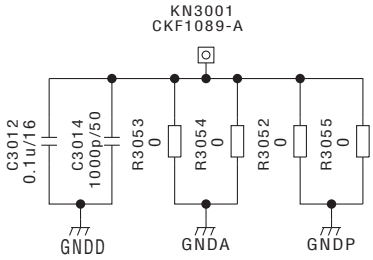
10.10 MAIN ASSY (10/14)

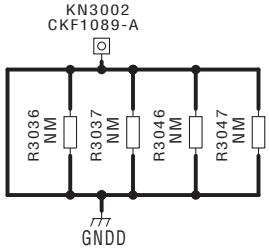


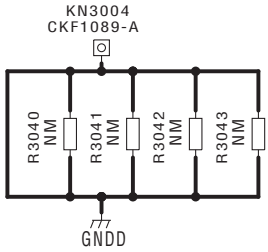
A 10/14 MAIN ASSY (DWX3535)

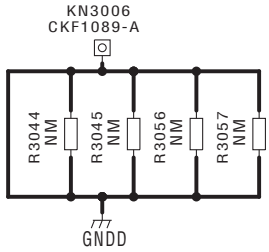
FLASH/USB_CLK BLOCK

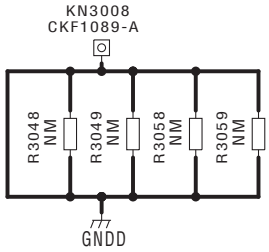


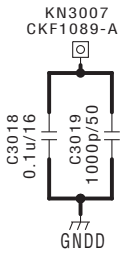


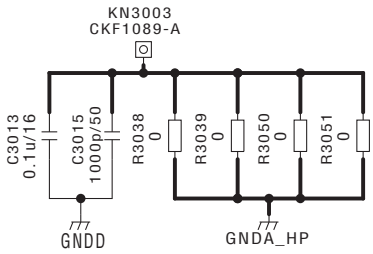


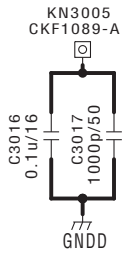


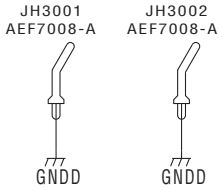








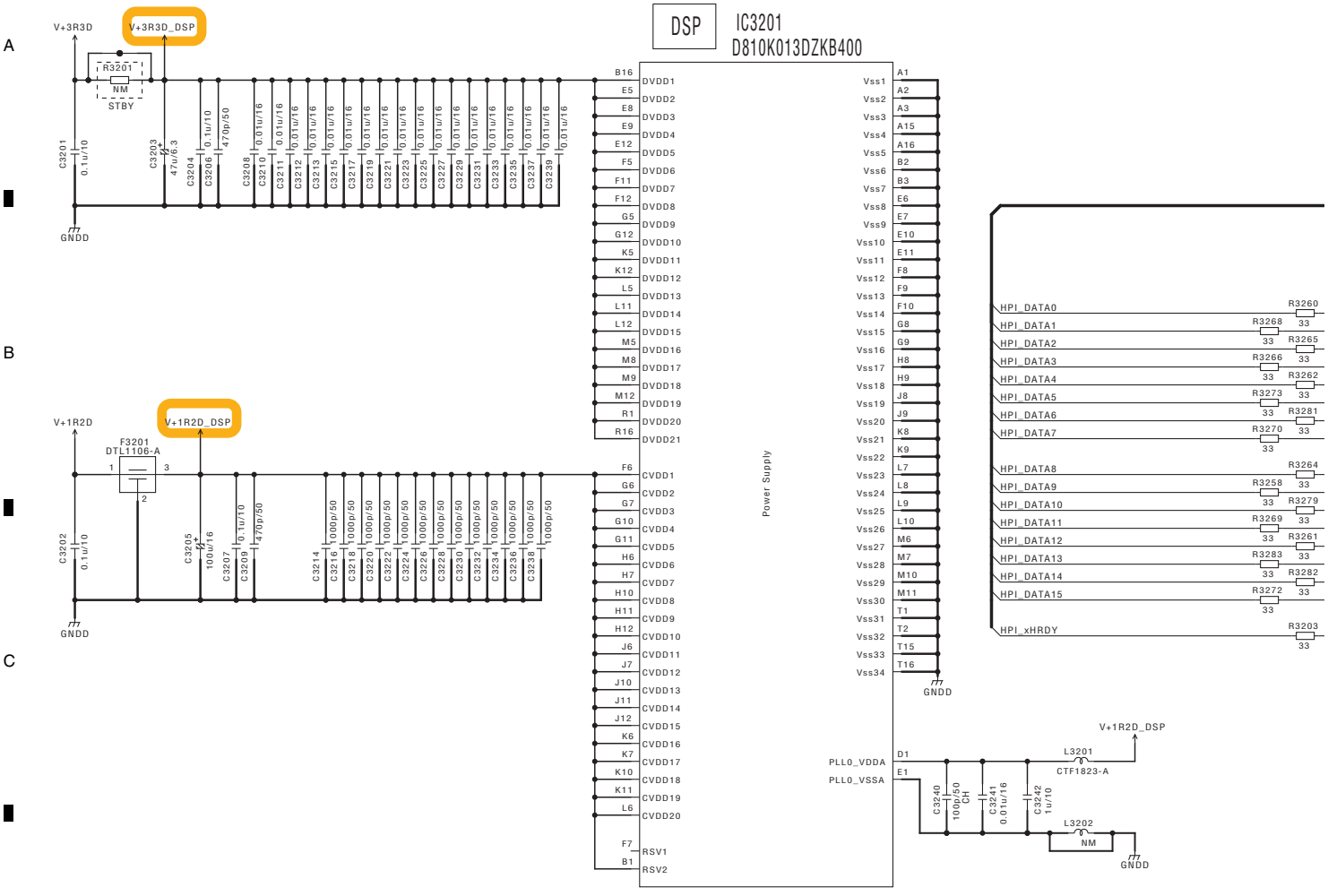


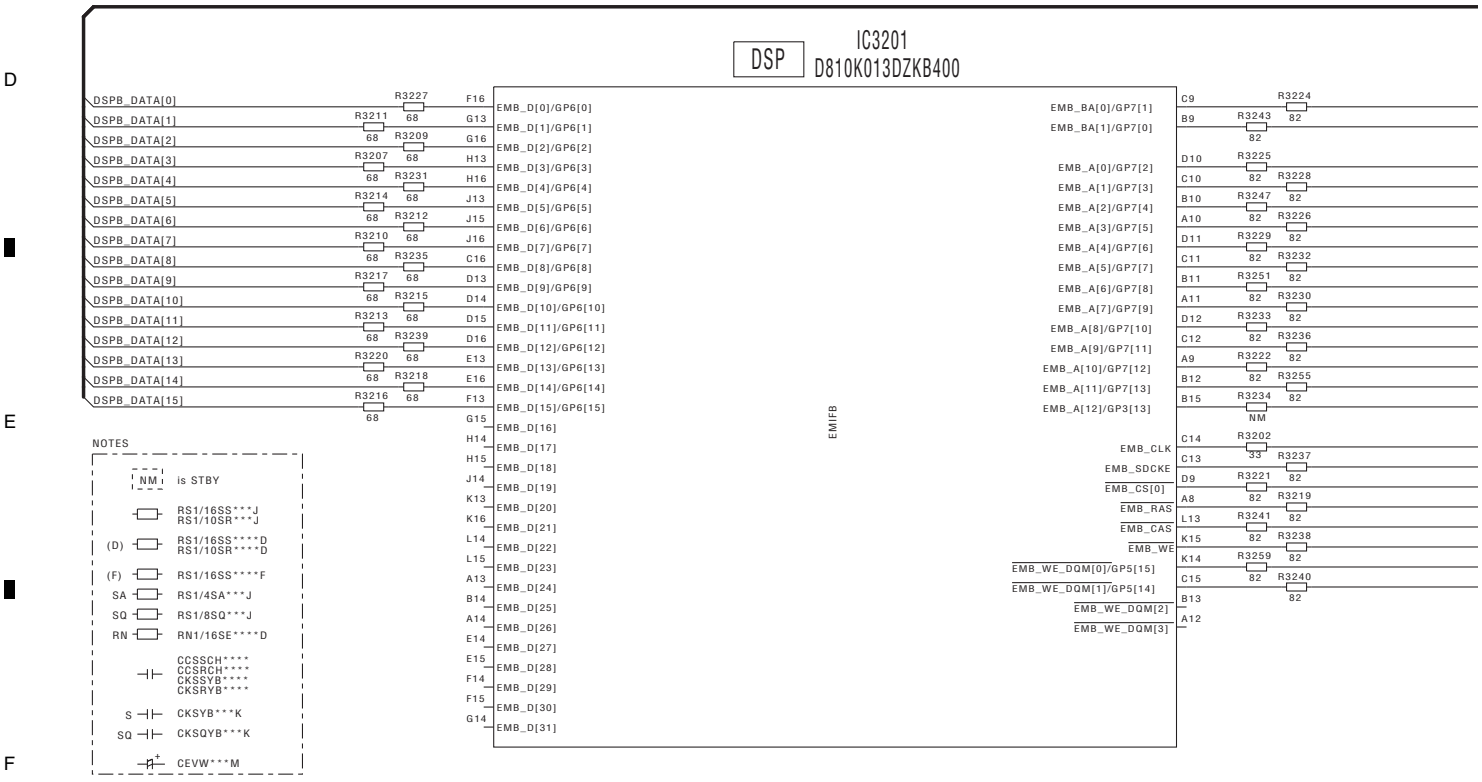


NOTES

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**** CCSRCH**** CKSSYB**** CKSRYB****
S	CKSYB***K
SQ	CKSQYB***K
	CEVW***M

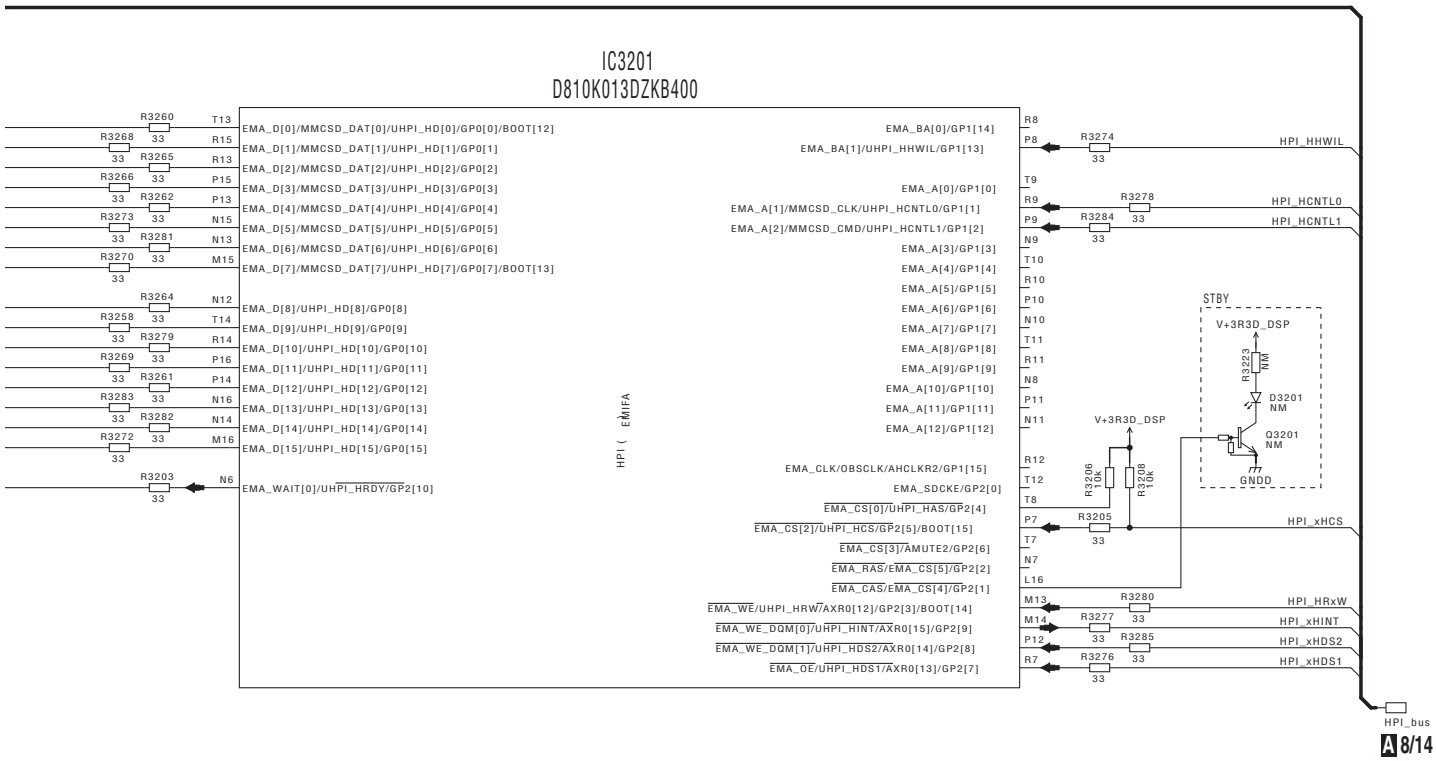
10.11 MAIN ASSY (11/14)



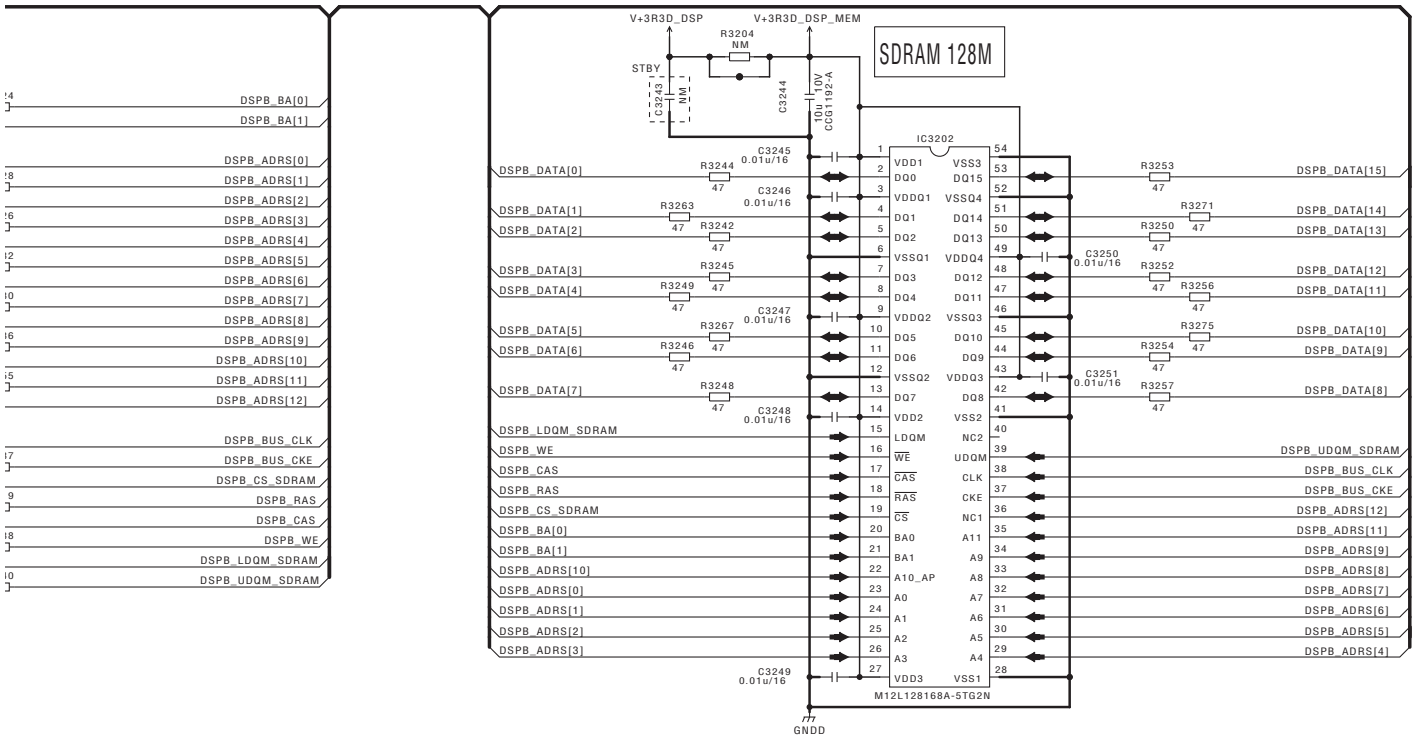


A 11/14 MAIN ASSY (DWX3535)

DSP BLOCK (1/2)

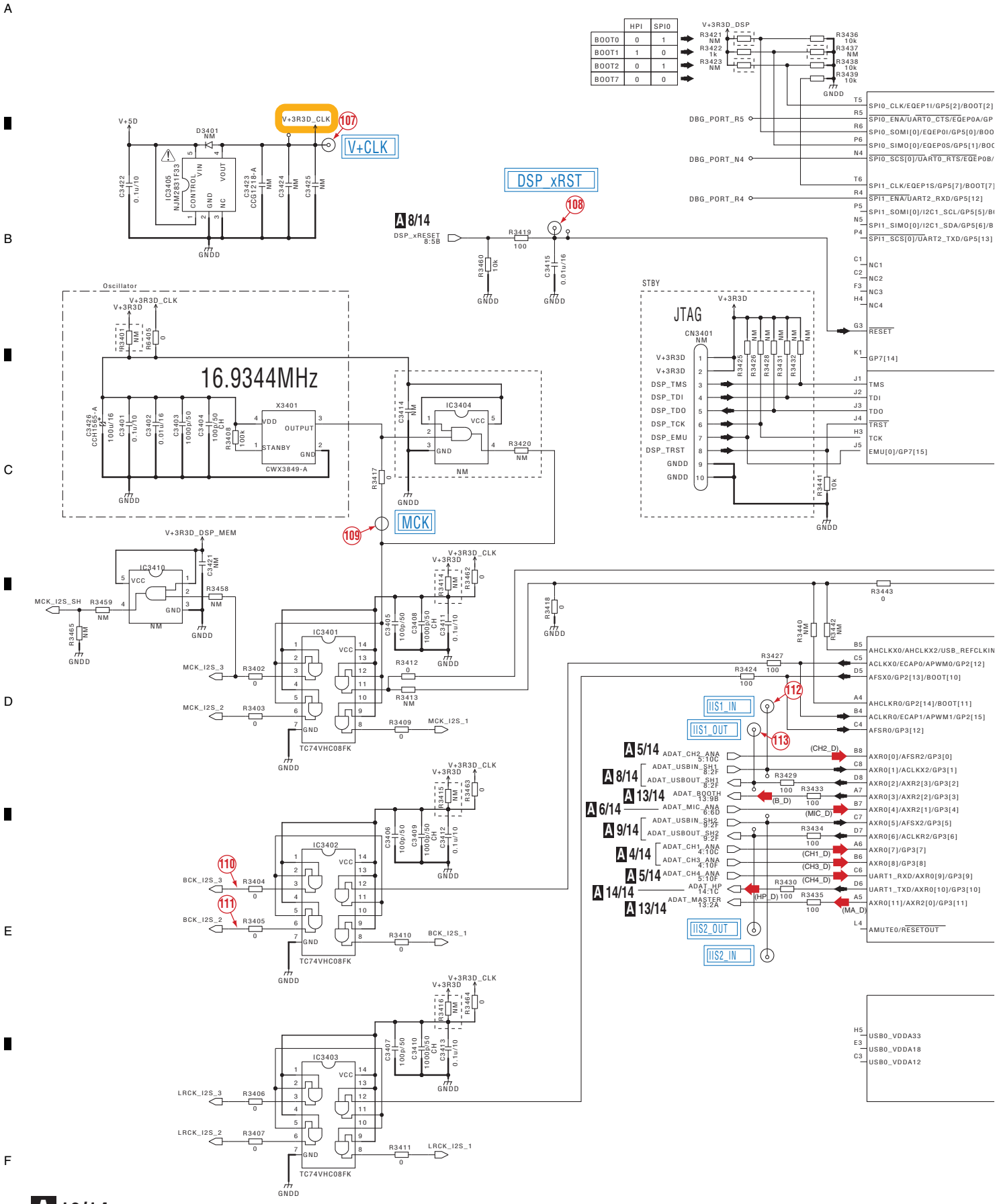


A 8/14



A 11/14

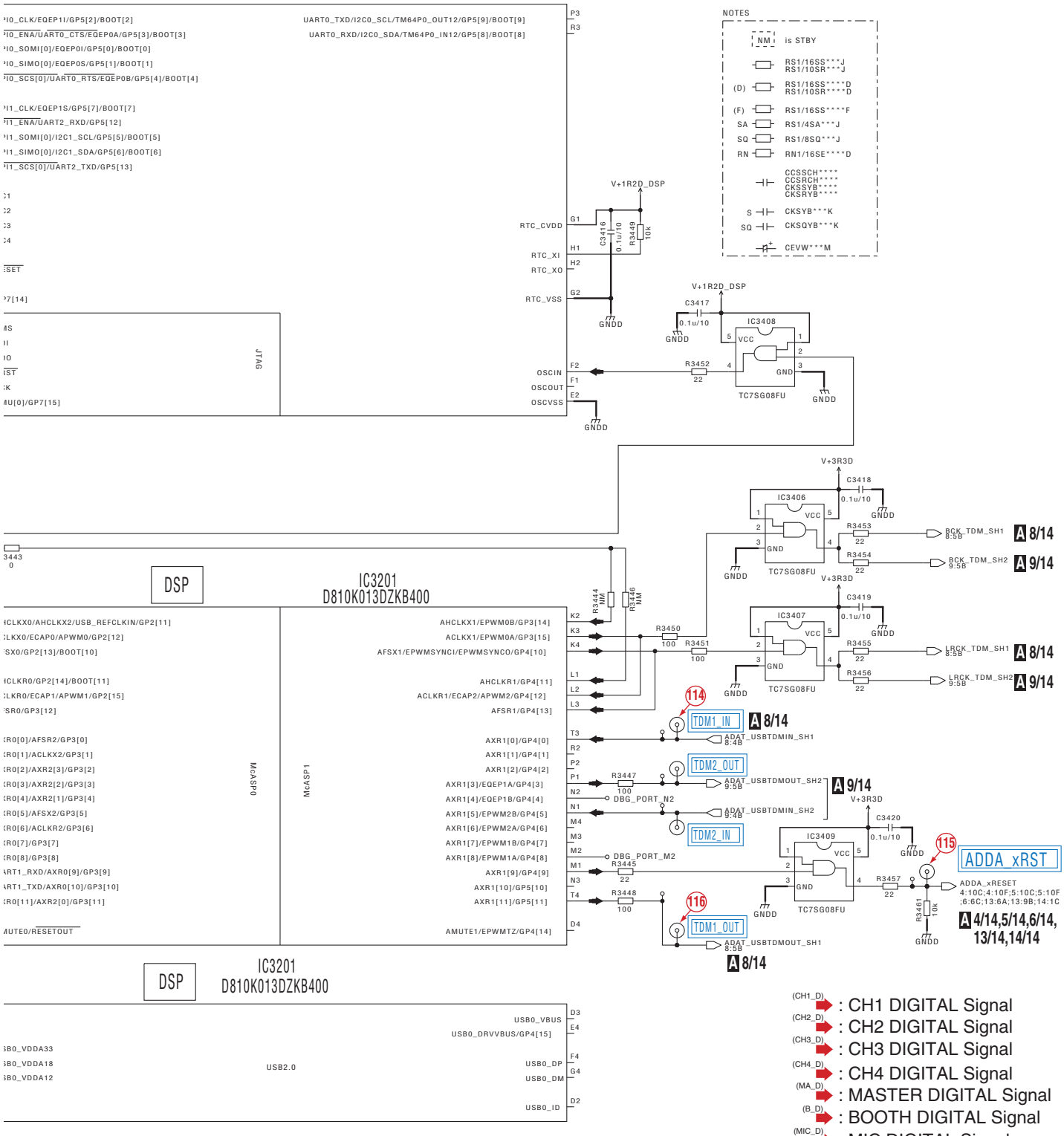
10.12 MAIN ASSY (12/14)



A 12/14 MAIN ASSY (DWX3535)

DSP BLOCK (2/2)

DSP IC3201 D810K013DZKB400



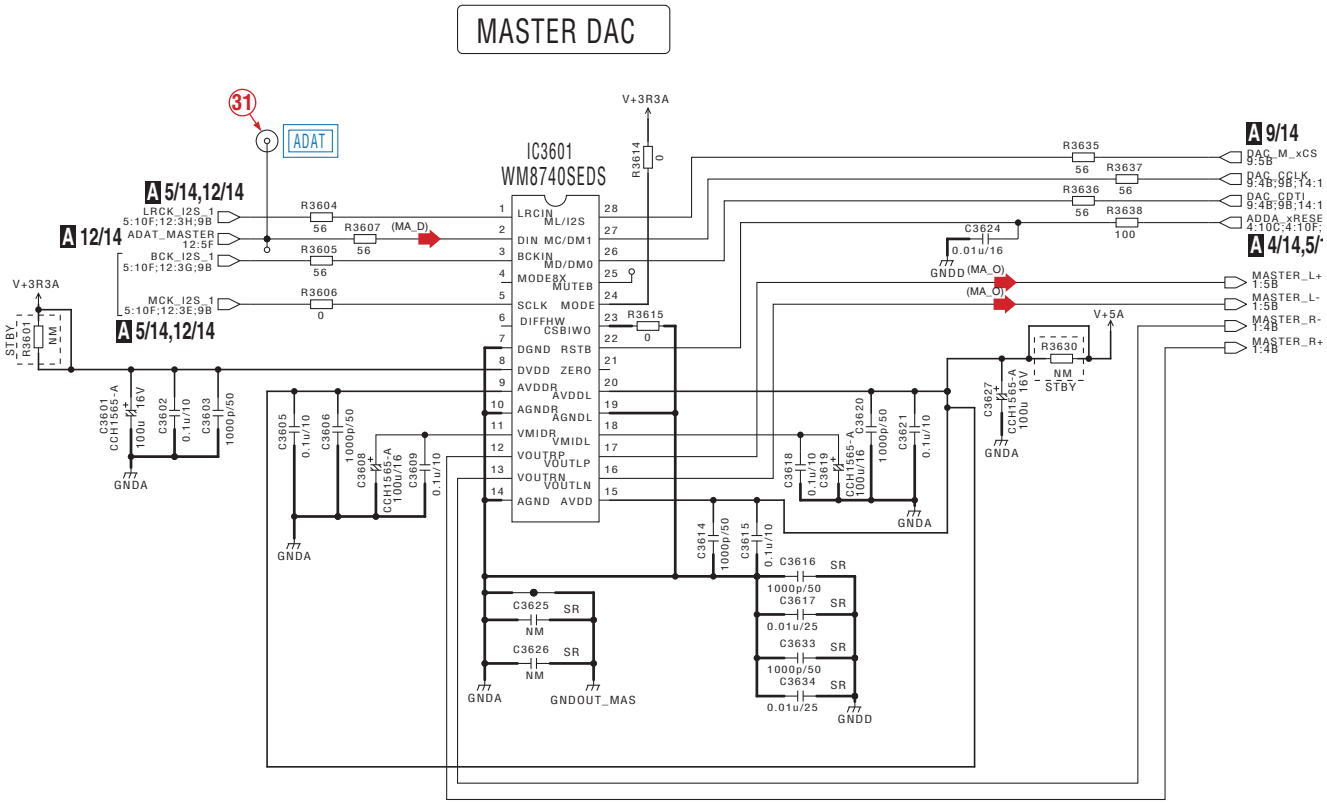
(CH1_D) : CH1 DIGITAL Signal
(CH2_D) : CH2 DIGITAL Signal
(CH3_D) : CH3 DIGITAL Signal
(CH4_D) : CH4 DIGITAL Signal
(MA_D) : MASTER DIGITAL Signal
(B_D) : BOOTH DIGITAL Signal
(MIC_D) : MIC DIGITAL Signal
(HP_D) : HP DIGITAL Signal

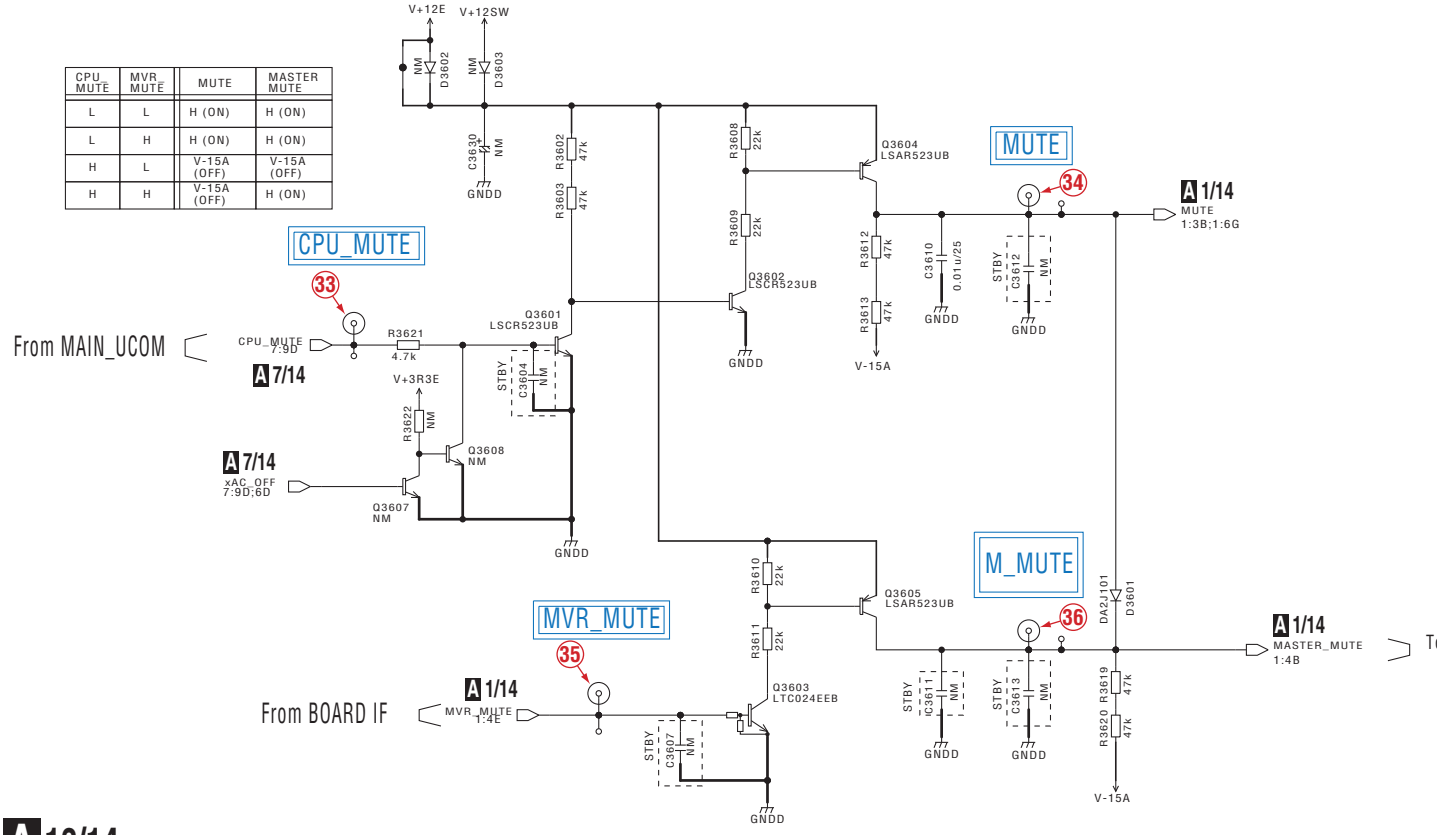
⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。
The ⚠ mark found on some component parts
indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts
of identical designation.

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

A 12/14

10.13 MAIN ASSY (13/14)

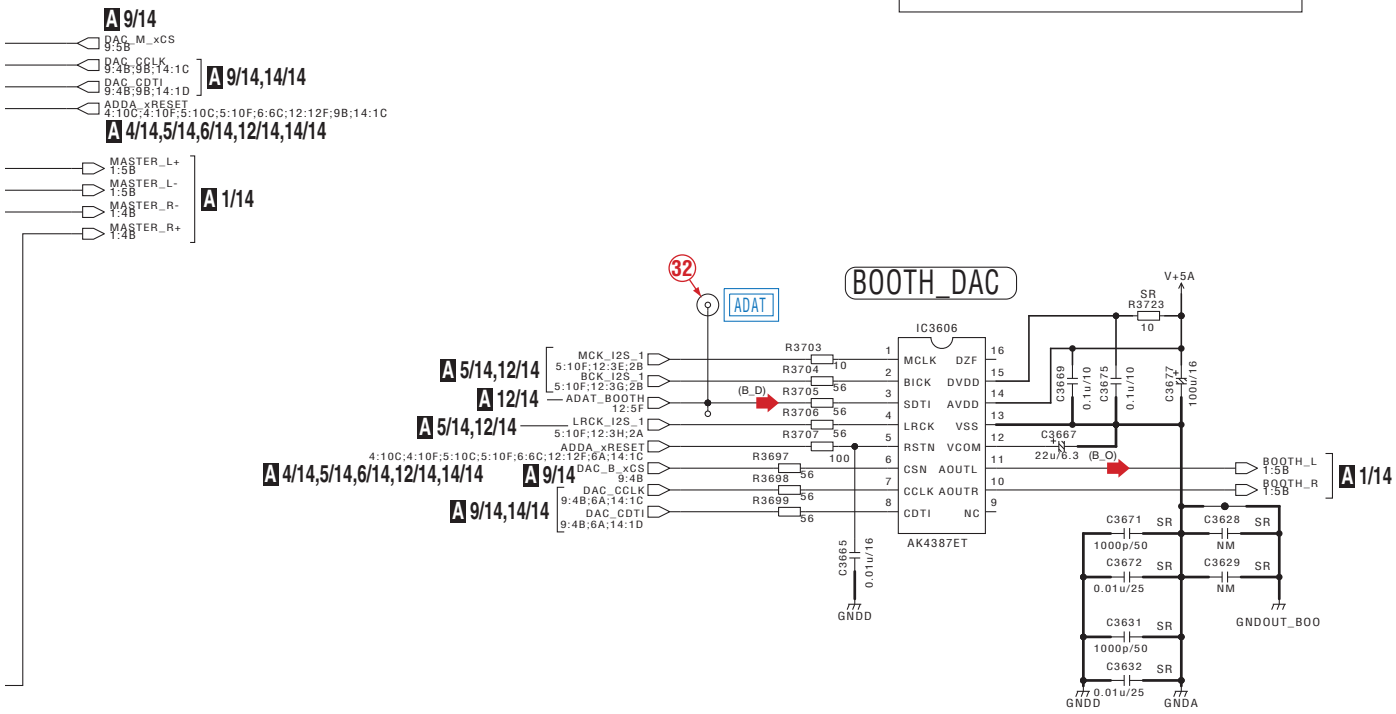




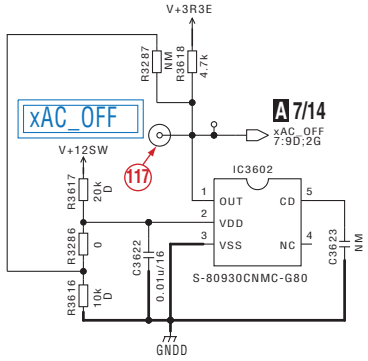
CPU_MUTE	MVR_MUTE	MUTE	MASTER MUTE
L	L	H (ON)	H (ON)
L	H	H (ON)	H (ON)
H	L	V-15A (OFF)	V-15A (OFF)
H	H	V-15A (OFF)	H (ON)

A 13/14 MAIN ASSY (DWX3535)

MASTER/BOOTH DAC



POWER DOWN DETECTION CIRCUIT



(MA_D) : MASTER DIGITAL Signal
(MA_O) : MASTER OUT Signal (L ch)
(B_D) : BOOTH DIGITAL Signal
(B_O) : BOOTH OUT Signal (L ch)

NOTES

NM is STBY

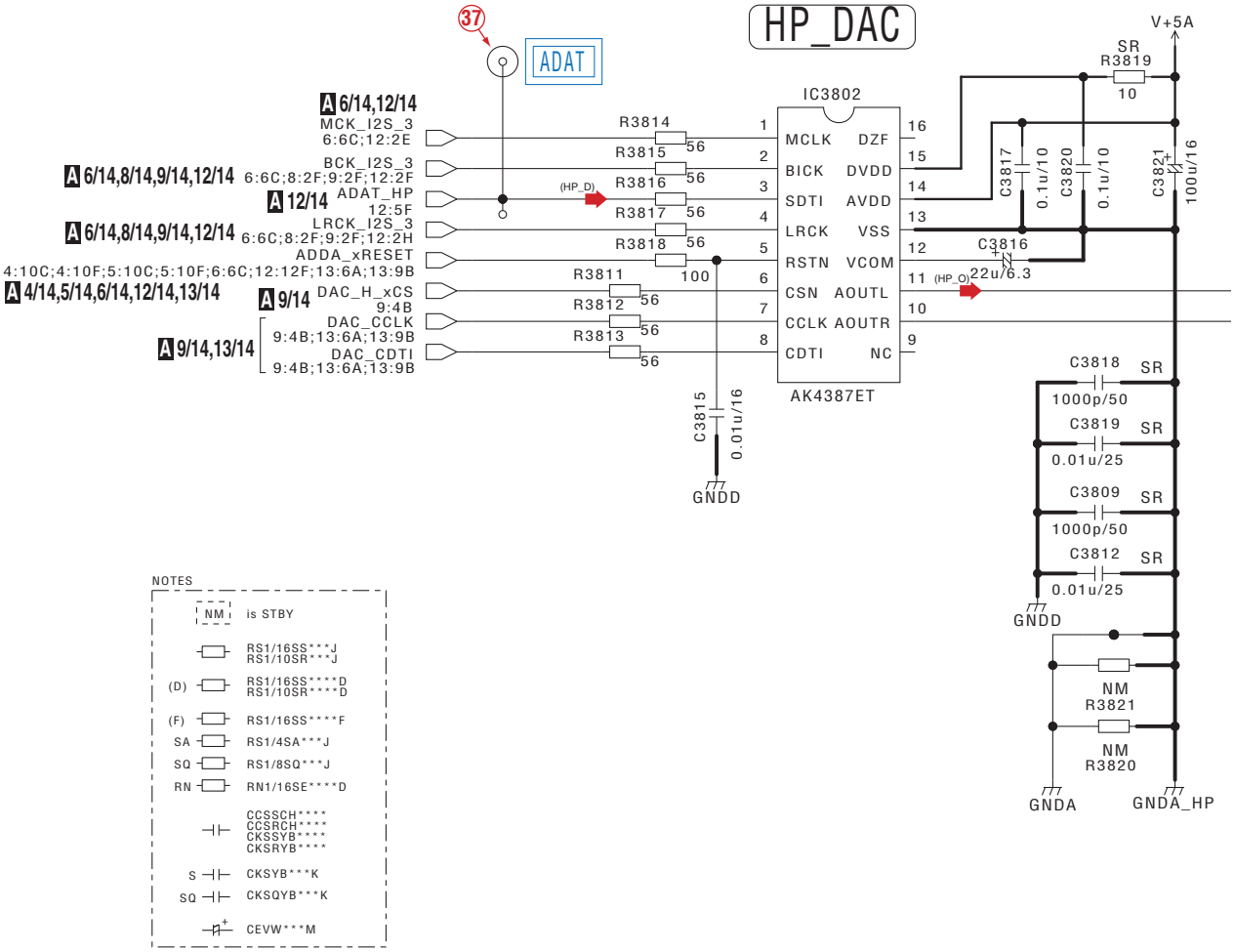
	RS1/16SS***J RS1/10SR***J
(D)	RS1/16SS****D RS1/10SR****D
(F)	RS1/16SS****F
SA	RS1/4SA***J
SQ	RS1/8SQ***J
RN	RN1/16SE****D
	CCSSCH**** CCSRCH**** CKSSYB**** CKSRYB****
S	CKSYB***K
SQ	CKSQYB***K
	CEVW***M

A 1/14 MASTER_MUTE 1:4B > To MASTER1 MASTER2

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

A 13/14

10.14 MAIN ASSY (14/14)



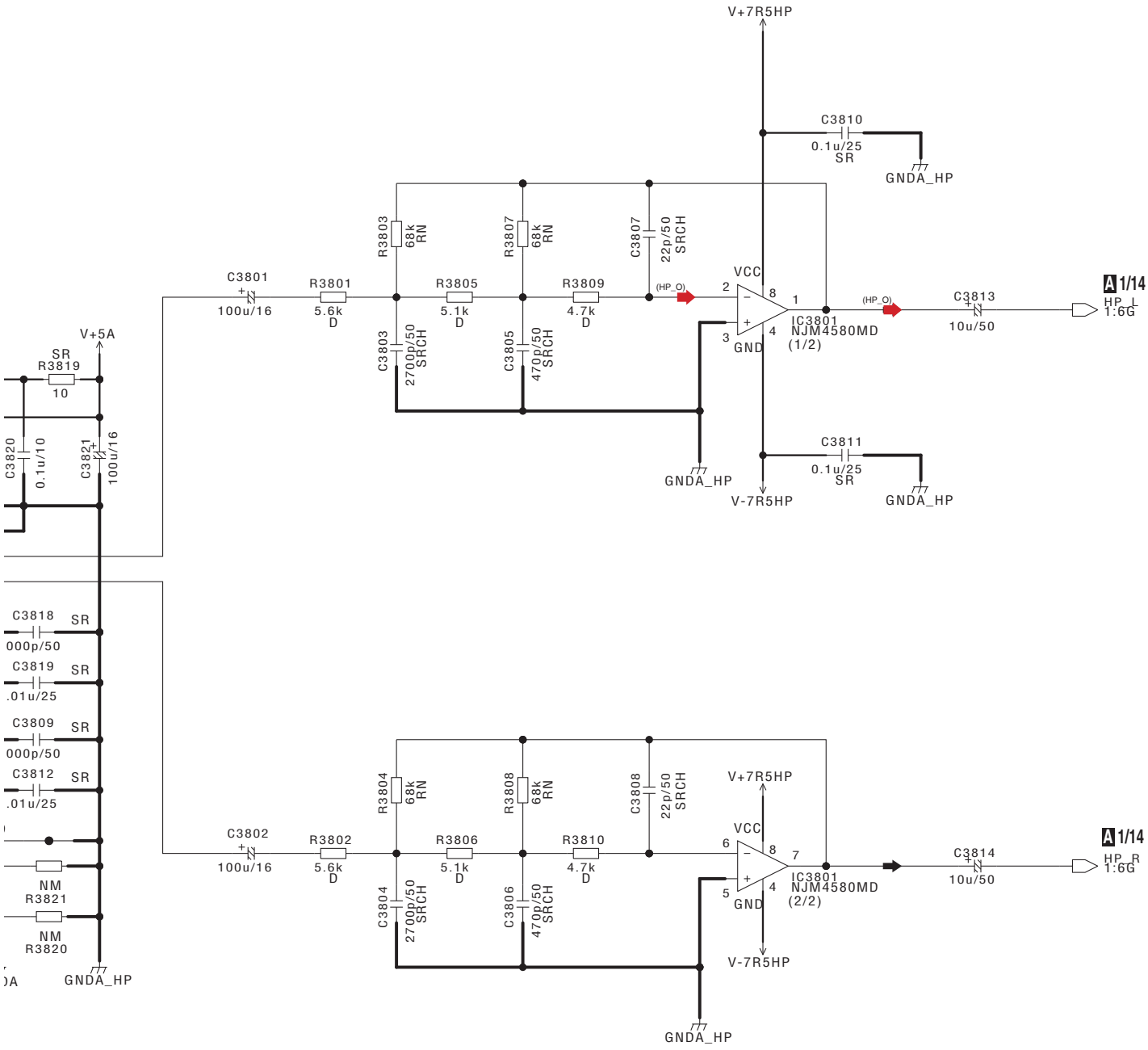
NOTES

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**** CCSRCH**** CKSSYB**** CKSRYB****
S	CKSYB***K
SQ	CKSQYB***K
	CEVW***M

A 14/14

A 14/14 MAIN ASSY (DWX3535)

HP OUT



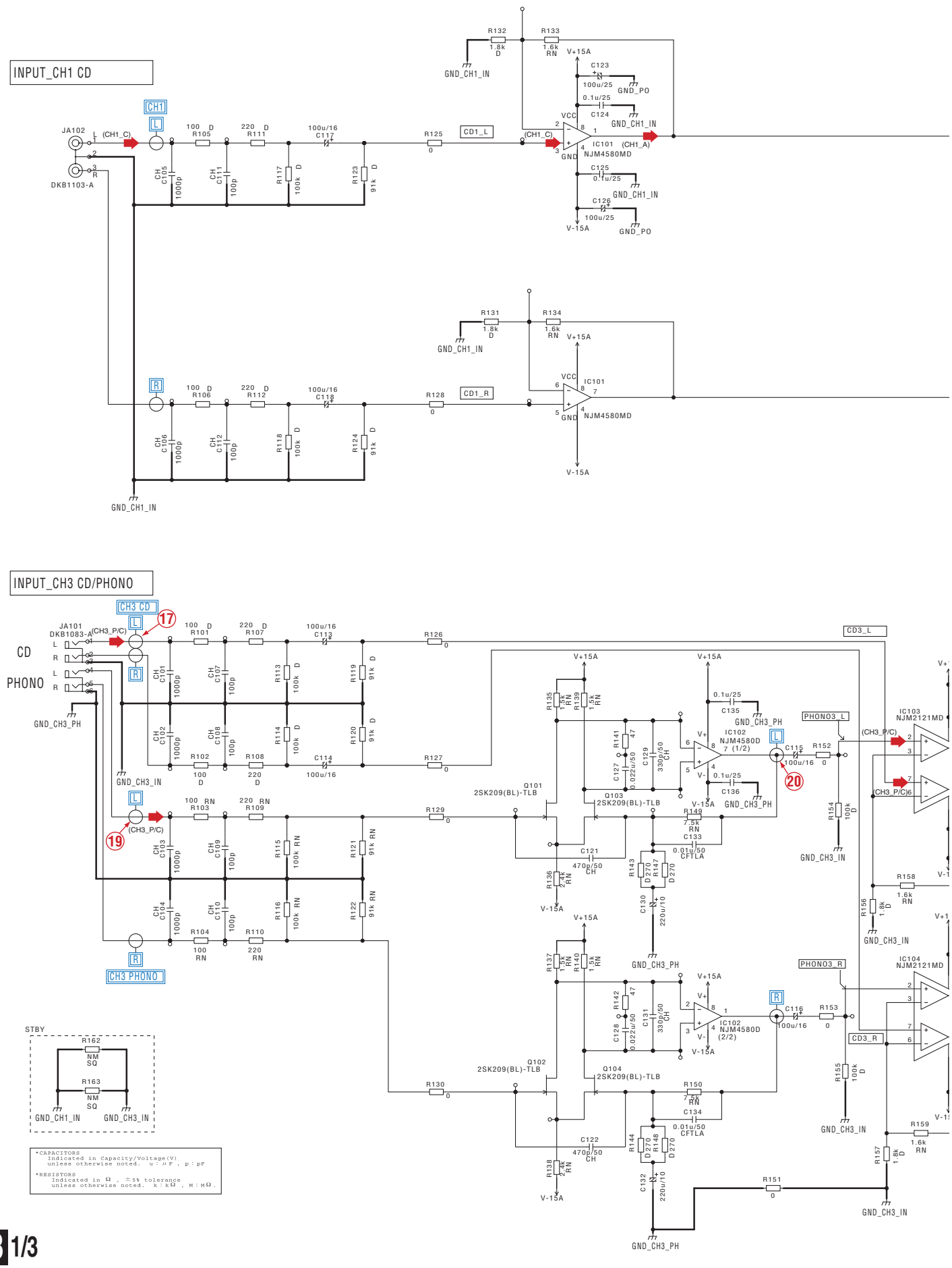
(HP_D) : HP DIGITAL Signal

(HP_O) : HP OUT Signal

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

A 14/14

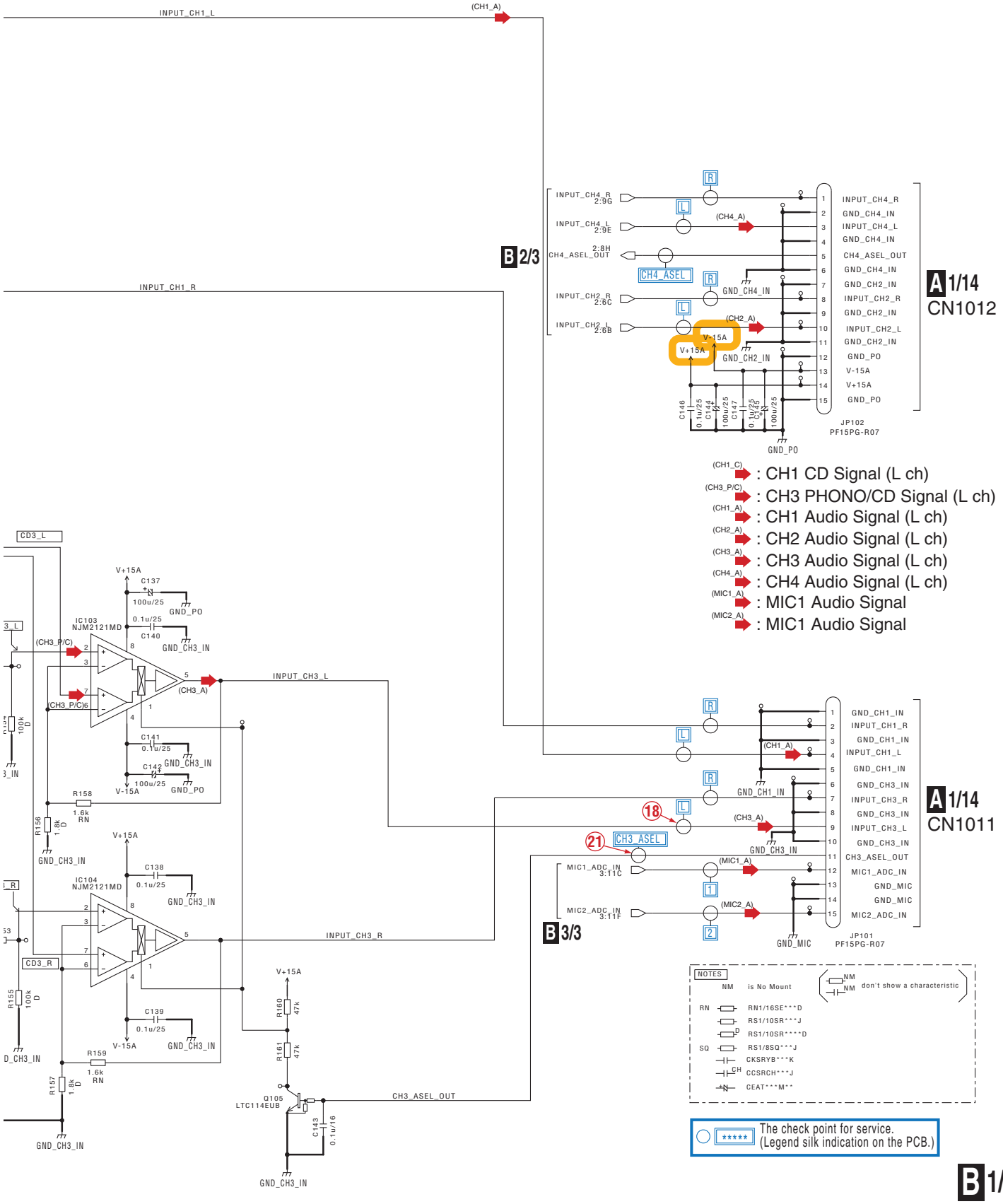
10.15 AIJK ASSY (1/3)



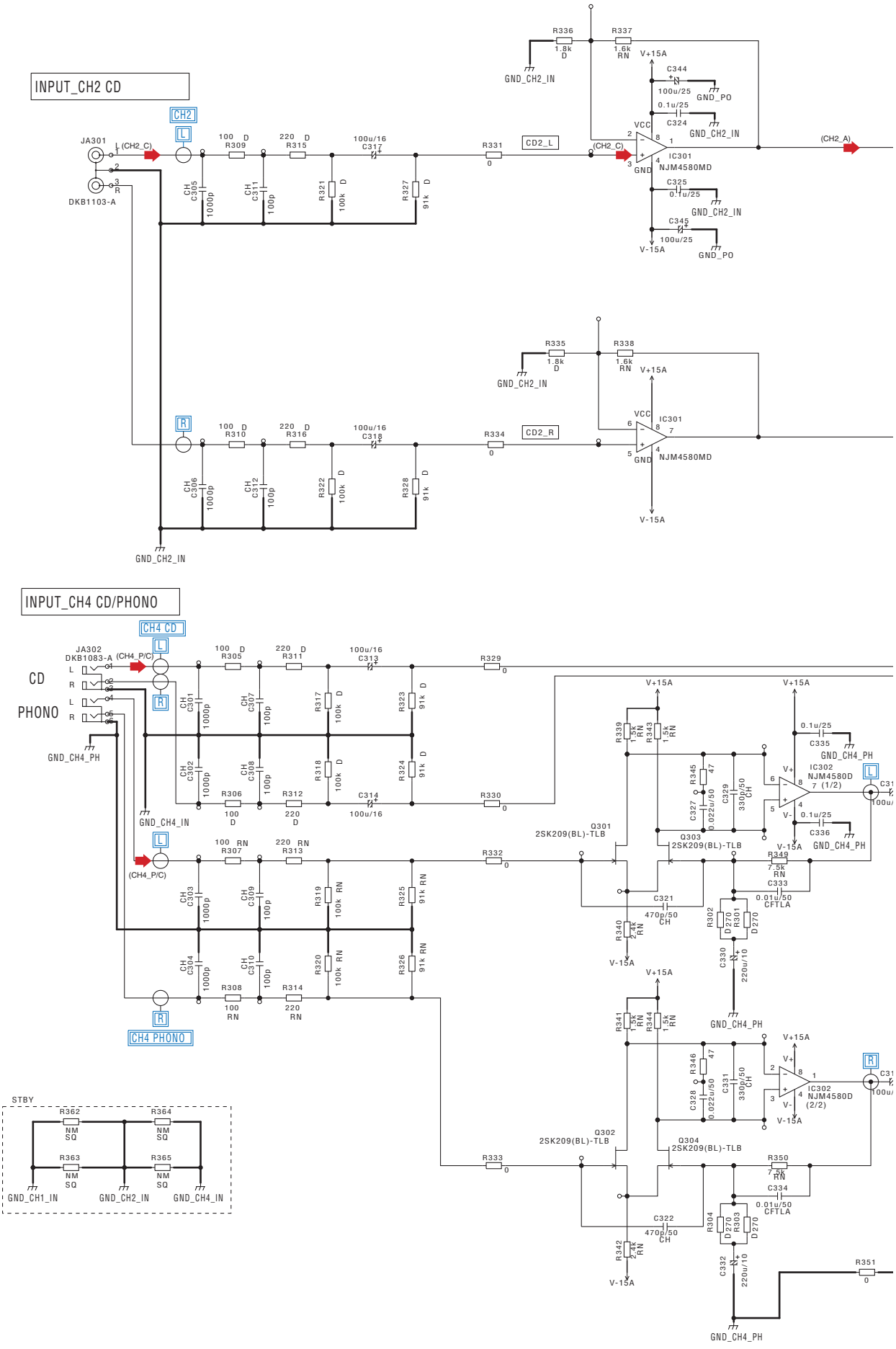
B 1/3

B 1/3 AIJK ASSY (DWX3536)

CH1 CH3 INPUT

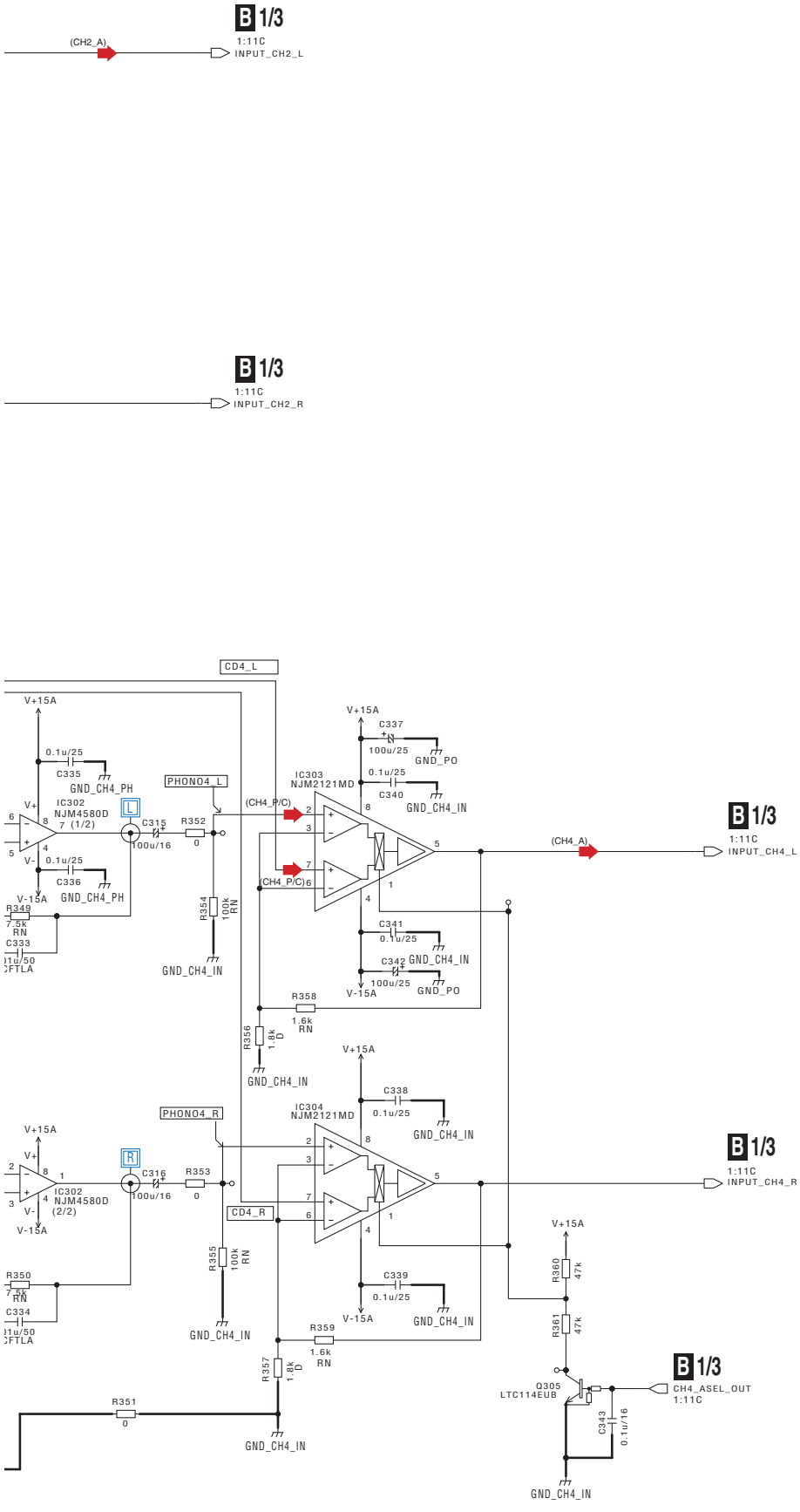


10.16 AIJK ASSY (2/3)



B 2/3 AIJK ASSY (DWX3536)

CH2 CH4 INPUT



(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 — NM NM don't show a characteristic

RN RN1/16SE***D
RS1/10SR***J
D RS1/10SR****D
SQ RS1/8SQ***J
CKSRYB***K
CH CCSRCH***J
CEAT***M**

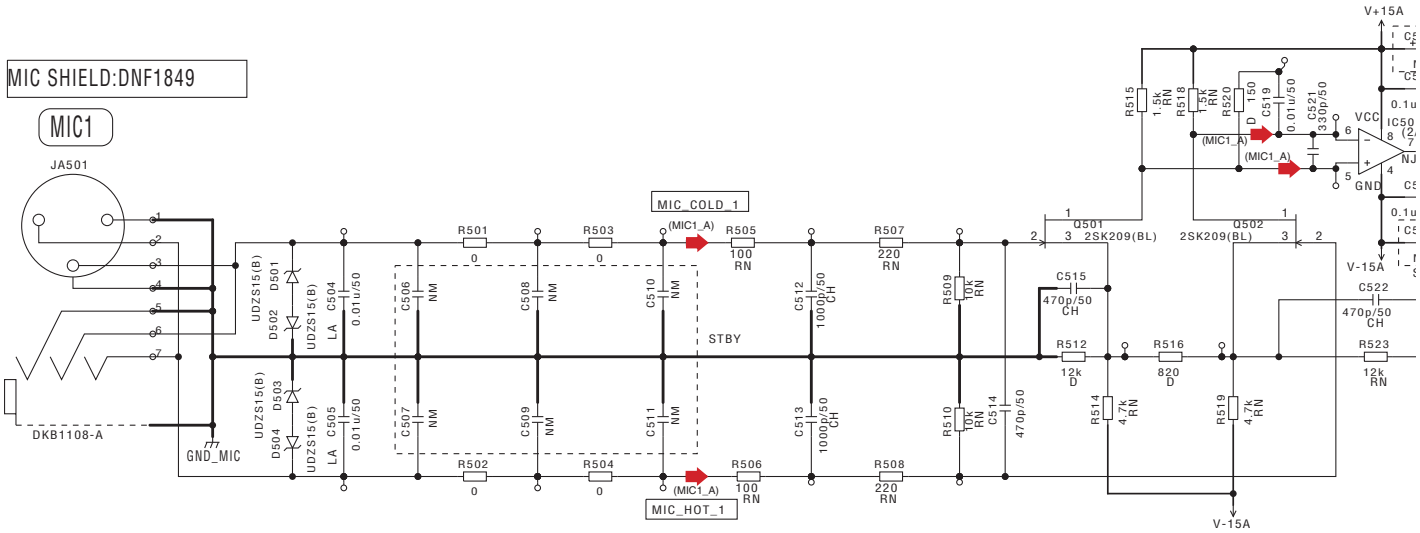
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

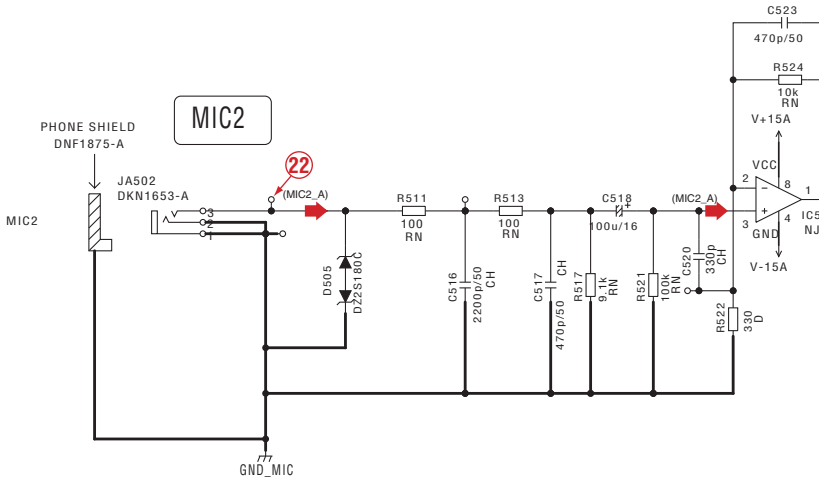
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ .

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

B 2/3

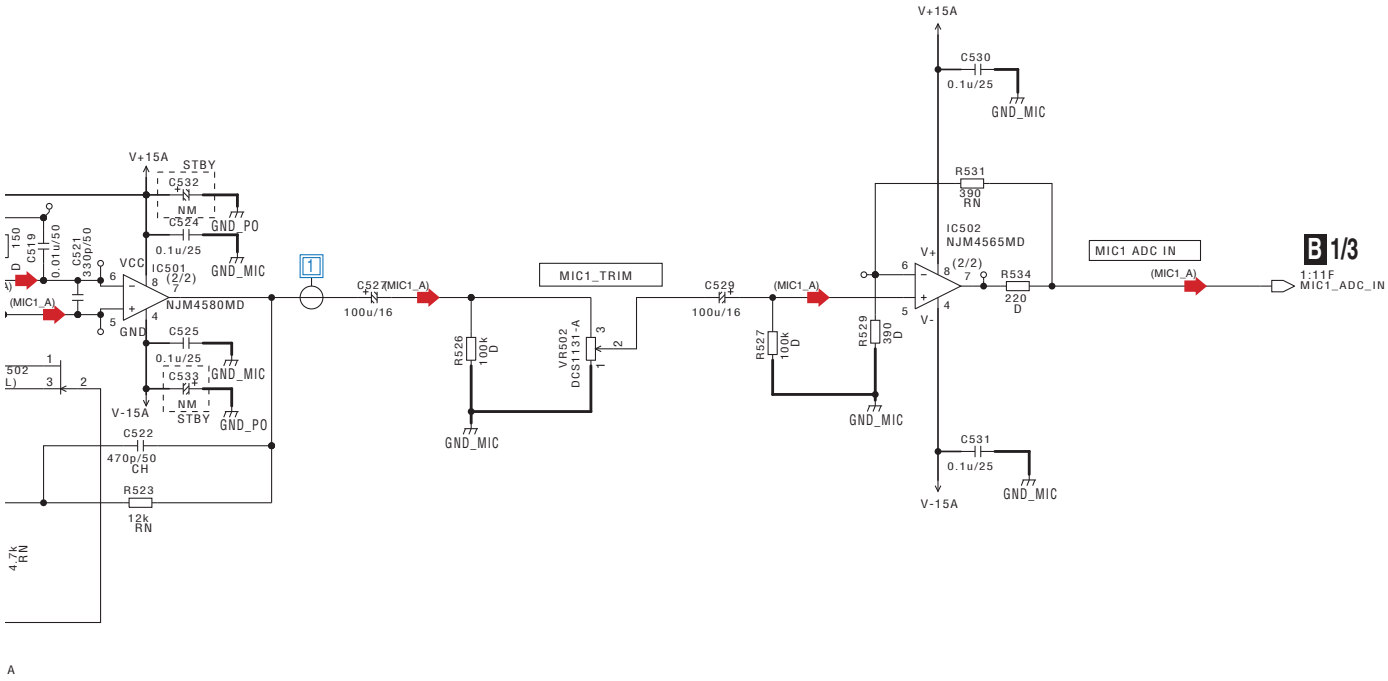
10.17 AIJK ASSY (3/3)

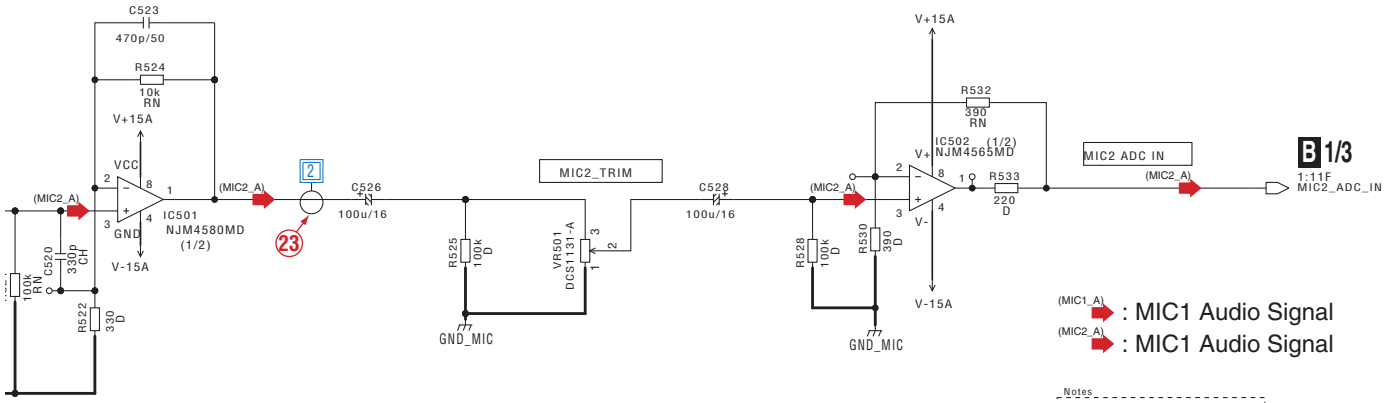




B 3/3 AIJK ASSY (DWX3536)

MIC1, MIC2





(MIC1_A) : MIC1 Audio Signal

(MIC2_A) : MIC1 Audio Signal

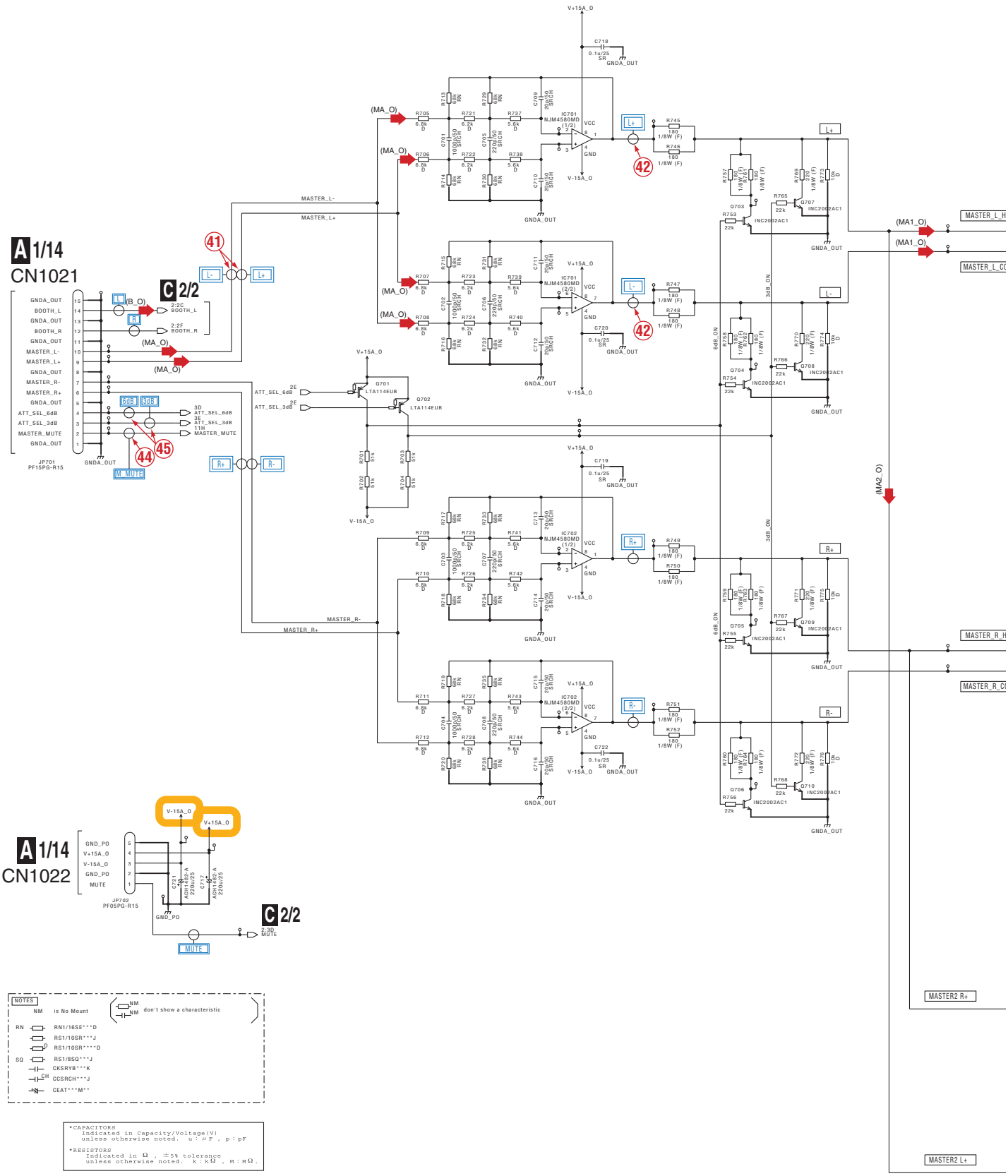
Notes

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

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

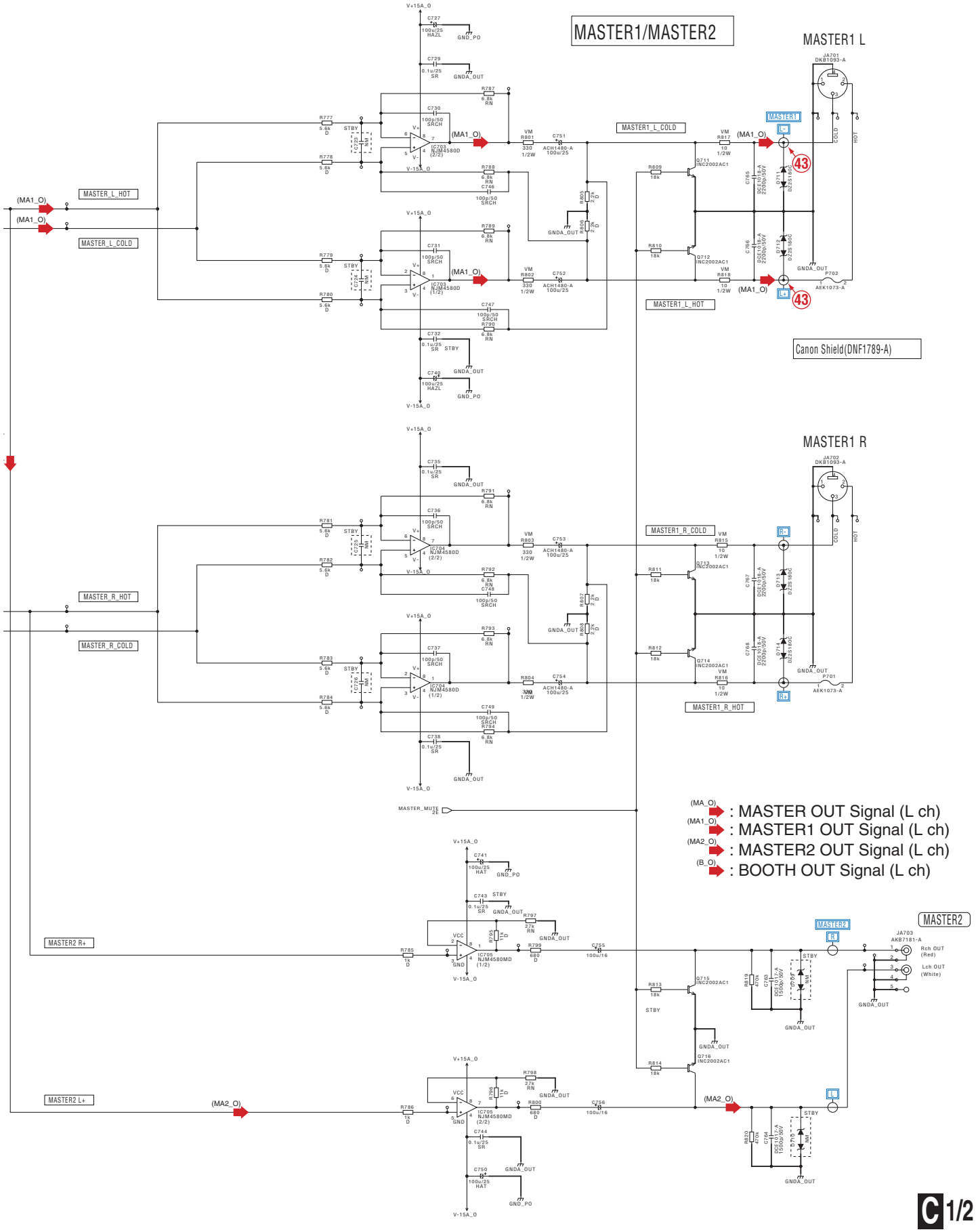
B 3/3

10.18 AOJK ASSY (1/2)

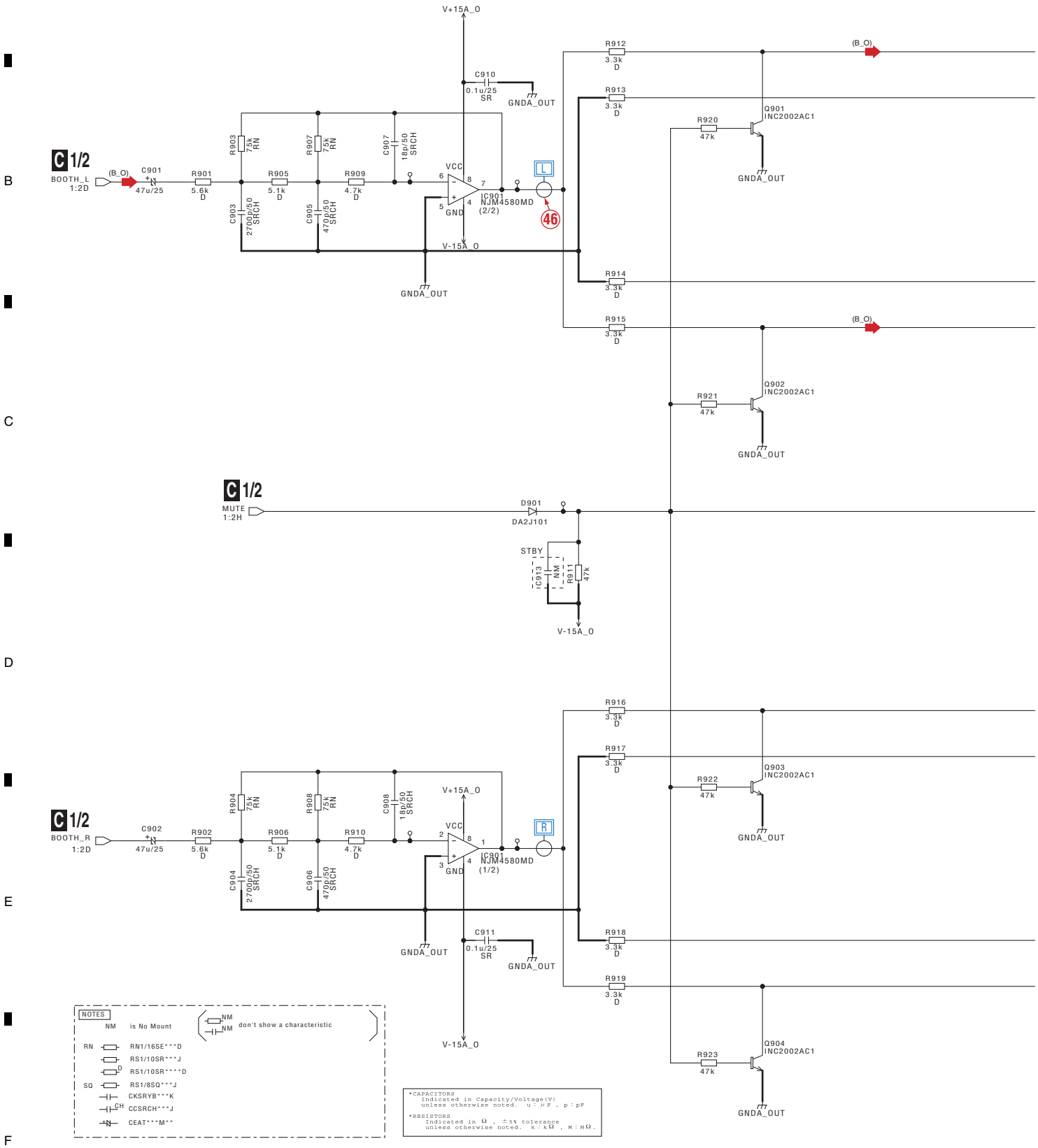


C 1/2

C 1/2 AOJK ASSY (DWX3537)



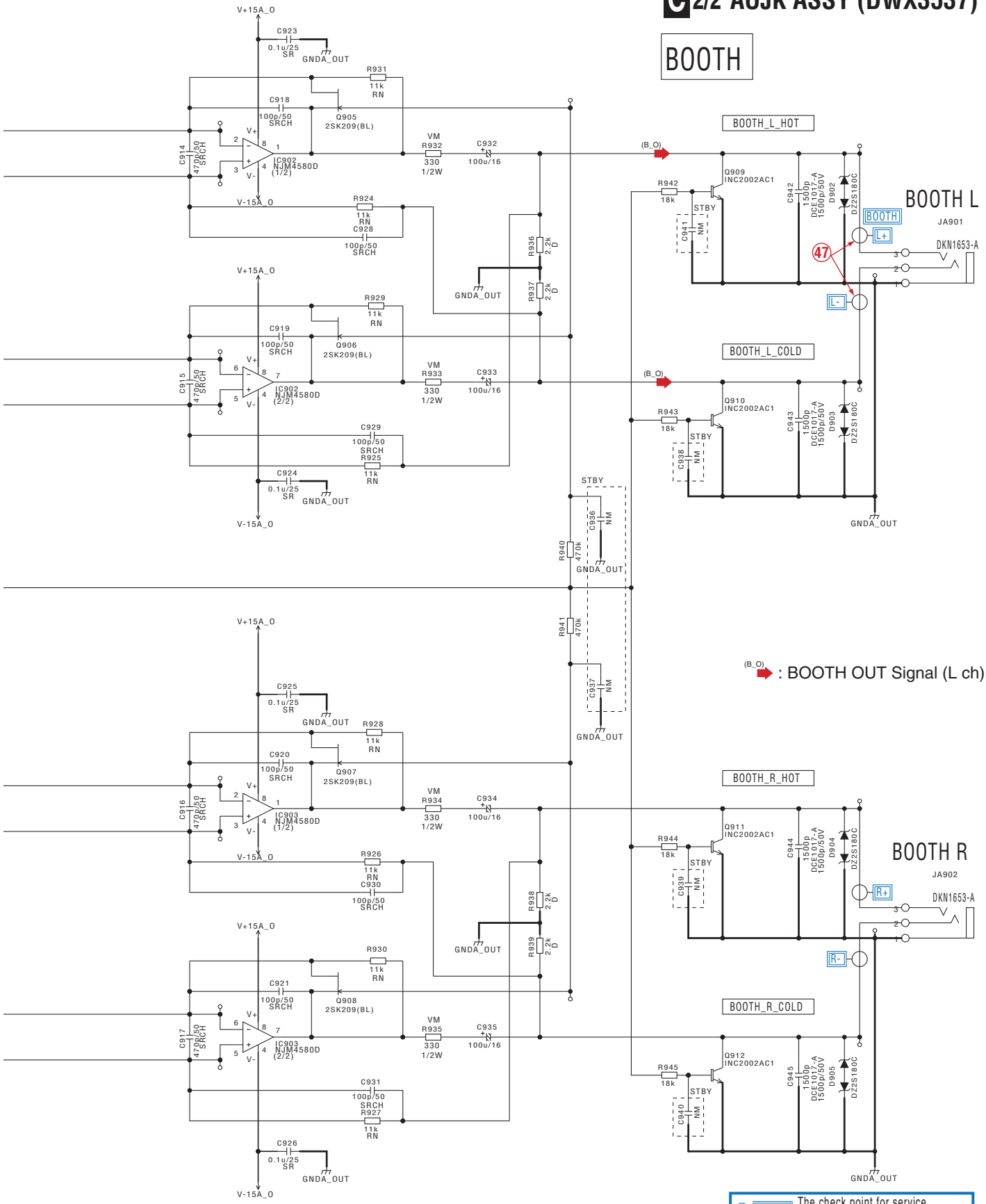
10.19 AOJK ASSY (2/2)



C 2/2

C 2/2 AOJK ASSY (DWX3537)

BOOTH



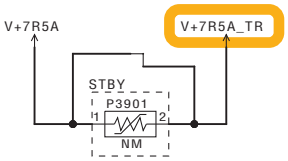
10.20 HPJK ASSY

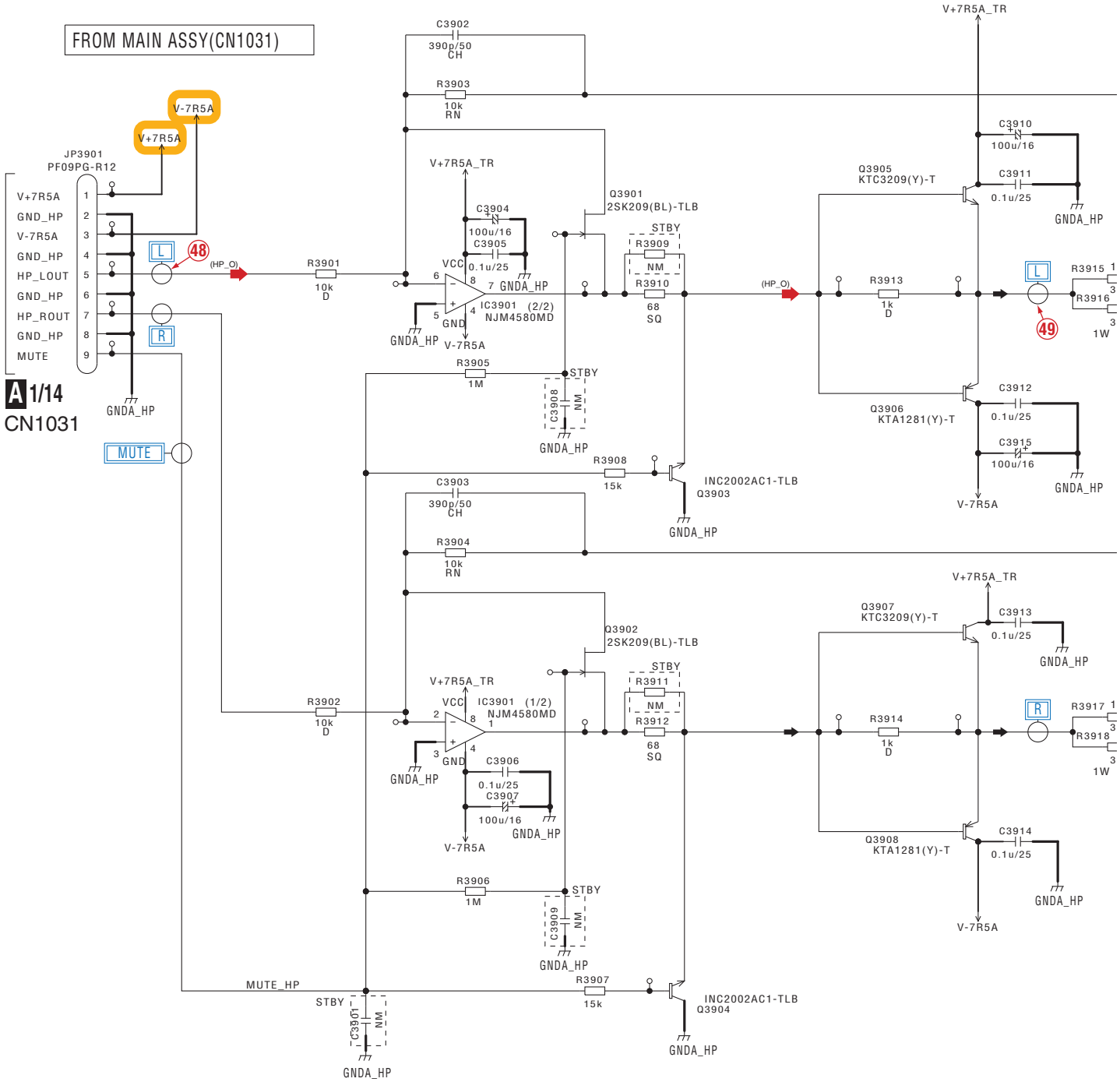
In this manual, the same reference numbers are allotted to the electrical parts of the Assys indicated below. Be sure to confirm the Assy name, as well as the reference number.

ASSY names:	Overlapped numbers
USBB (DWX3555) and HPJK (DWX3538):	3,900s

※ASSY 間でリファレンスの重なりあり。

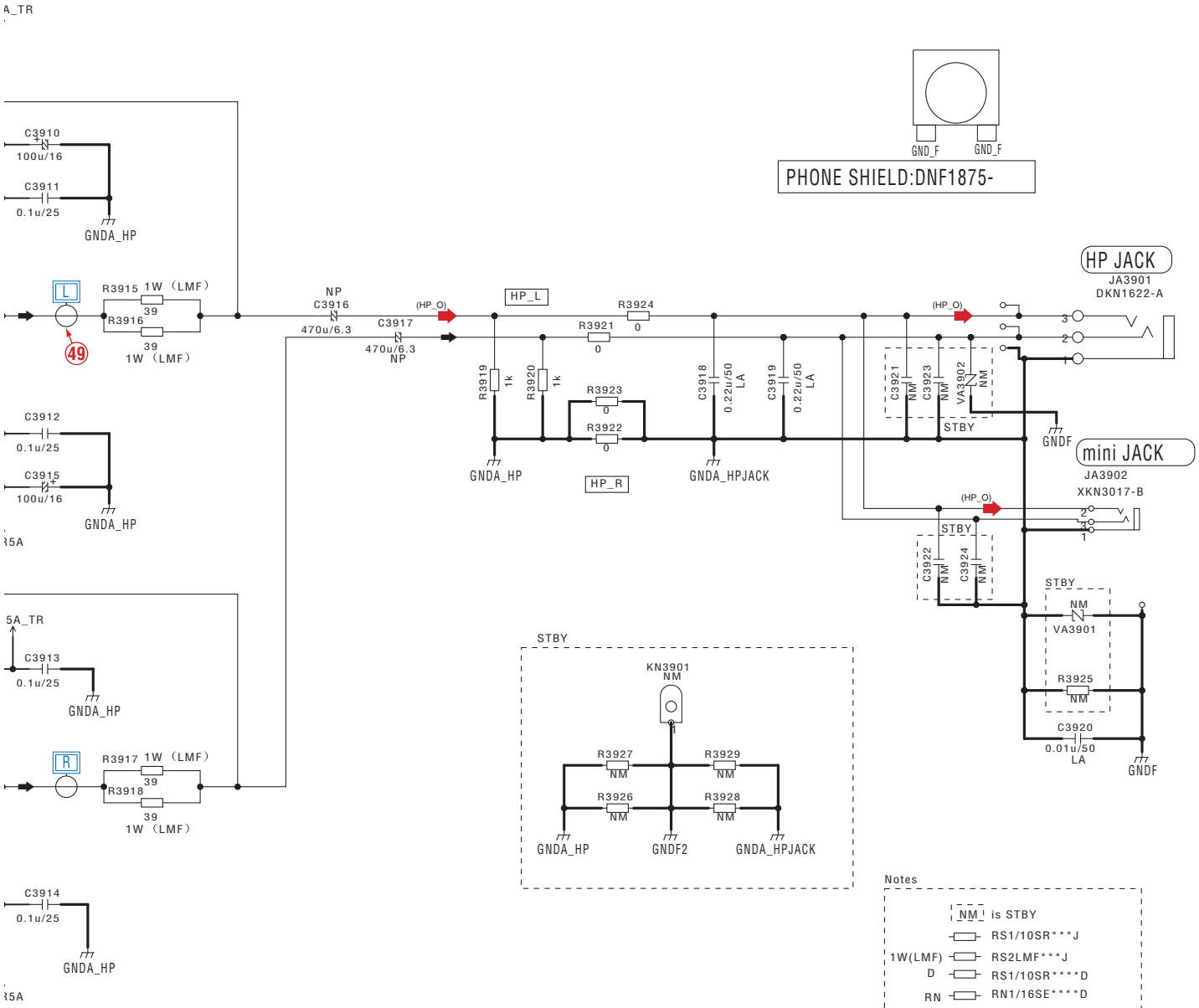
ASSY	重なっている番号
USBB (DWX3555) - HPJK (DWX3538)	3900 番台





D HPJK ASSY (DWX3538)

HP OUT



Notes

NM		is STBY
		RS1/10SR***J
1W(LMF)		RS2LMF***J
D		RS1/10SR****D
RN		RN1/16SE****D
		CKSRYB***K
CH		CCSRCH***J
NP		CEANP
		CEAT

(HP_O) : HP OUT Signal (L ch)

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

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.

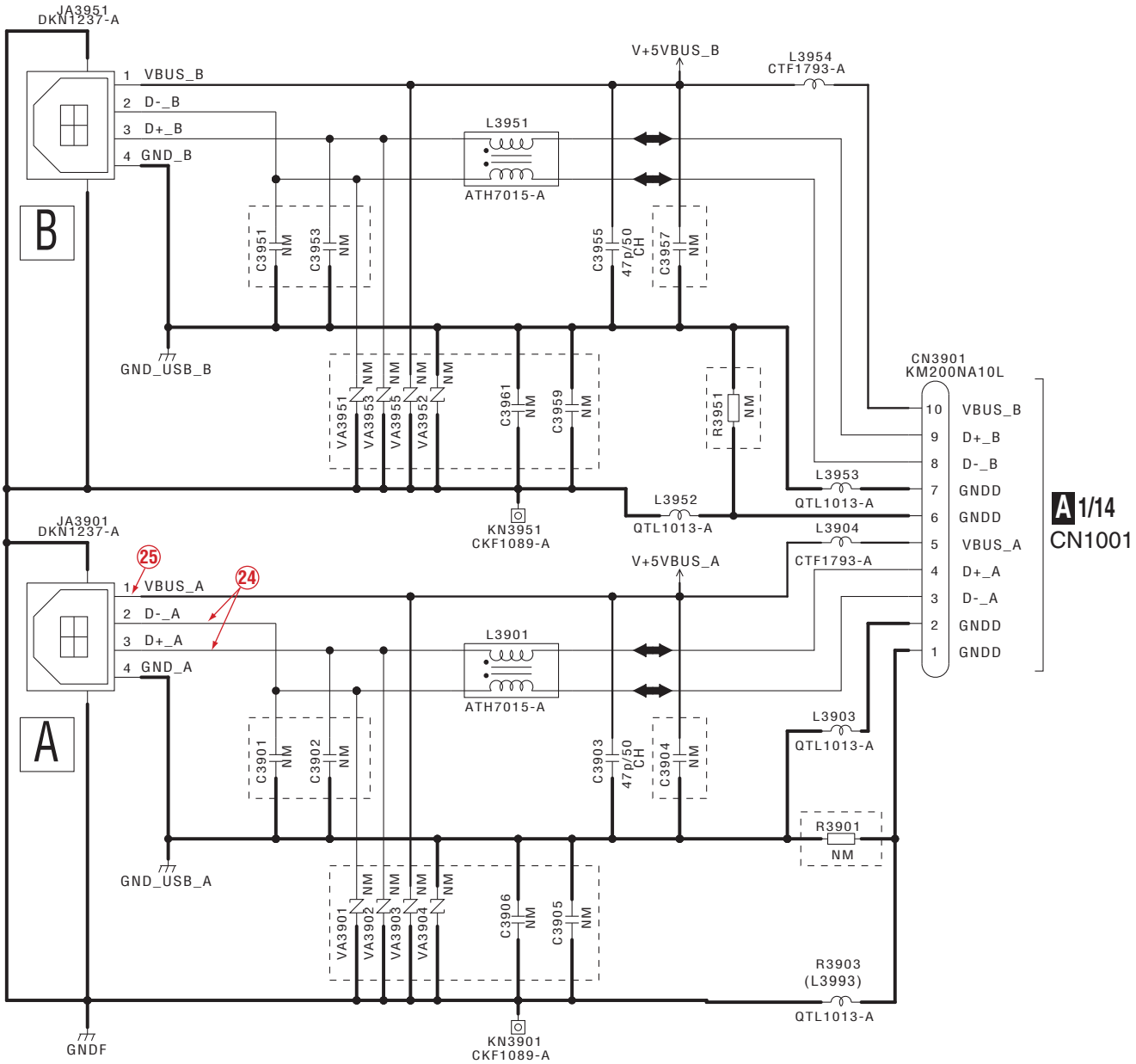
ASSY names:	Overlapped numbers
USBB (DWX3555) and HPJK (DWX3538):	3,900s

※ASSY 間でリファレンスの重なりあり。

ASSY	重なっている番号
USBB (DWX3555) - HPJK (DWX3538)	3900 番台

E USBB ASSY (DWX3555)

USB2.0 High speed



NOTES

NM is STBY

RS1/16SS***J

CKSSYB***K

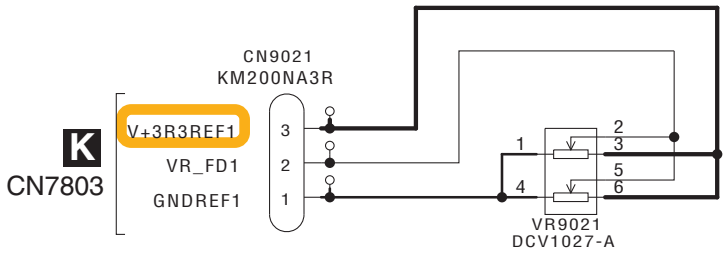
CH CCSSCH***J

SRCH CCSRCH***D

10.22 FAD1 to FAD4 ASSYS

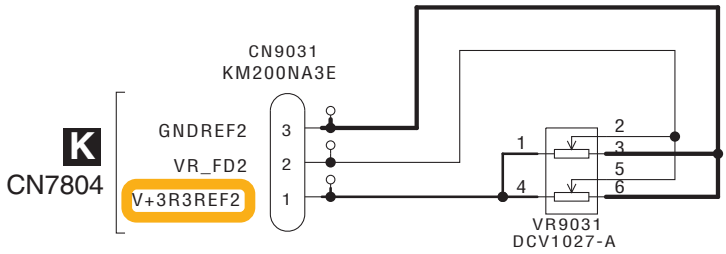
F FAD1 ASSY (DWX3540)

CH1_FADER



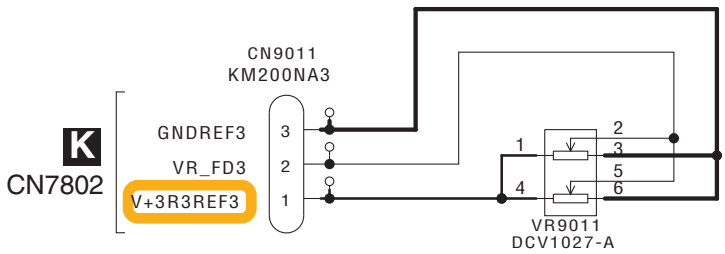
G FAD2 ASSY (DWX3541)

CH2_FADER



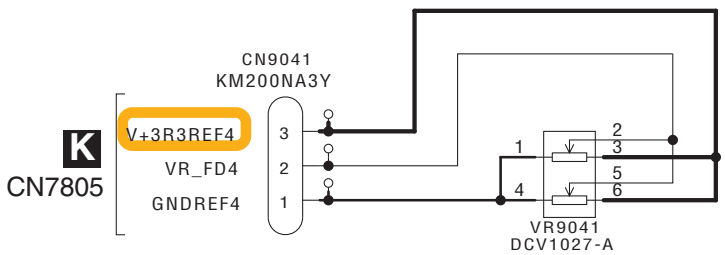
H FAD3 ASSY (DWX3539)

CH3_FADER

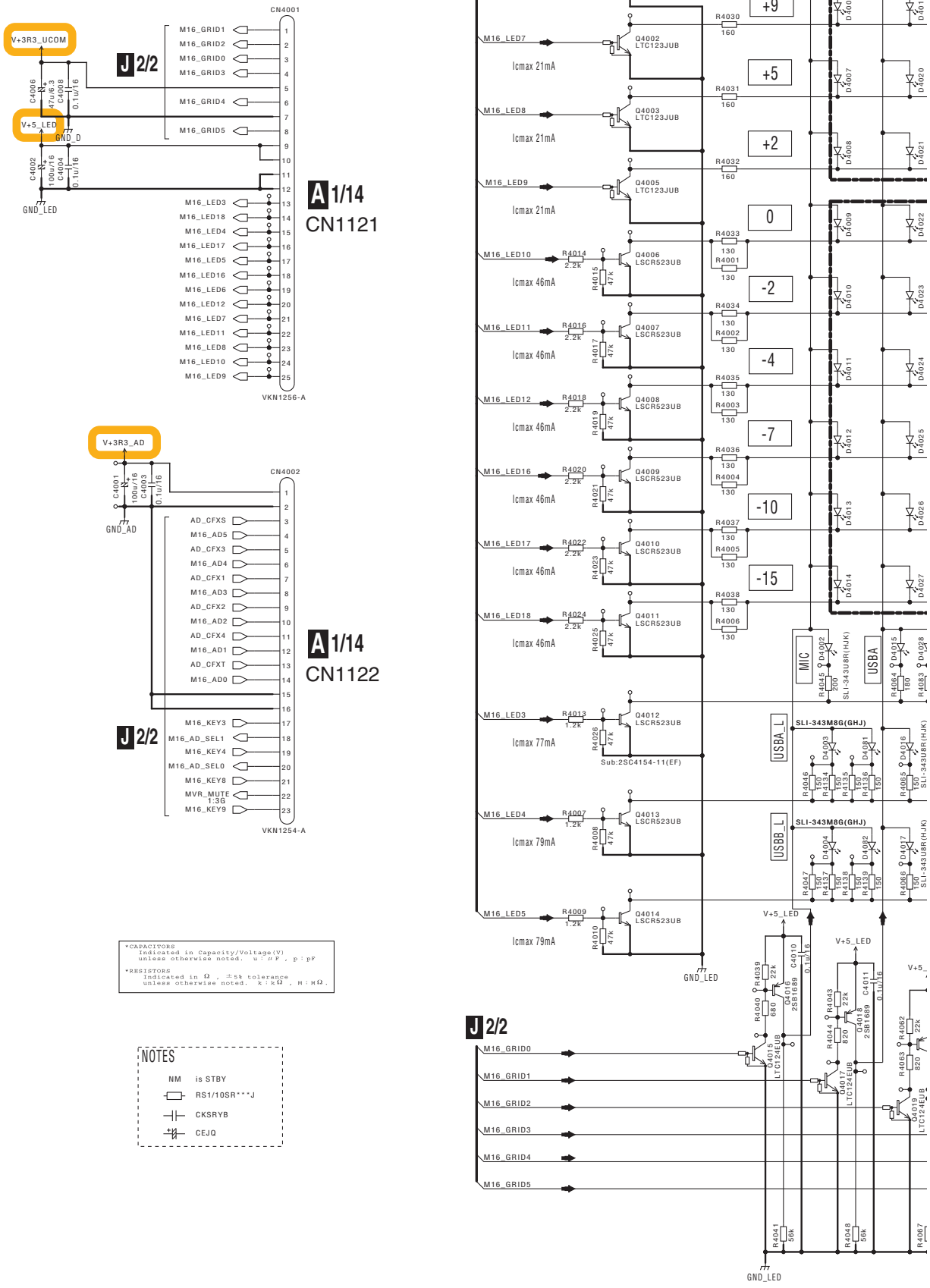


I FAD4 ASSY (DWX3542)

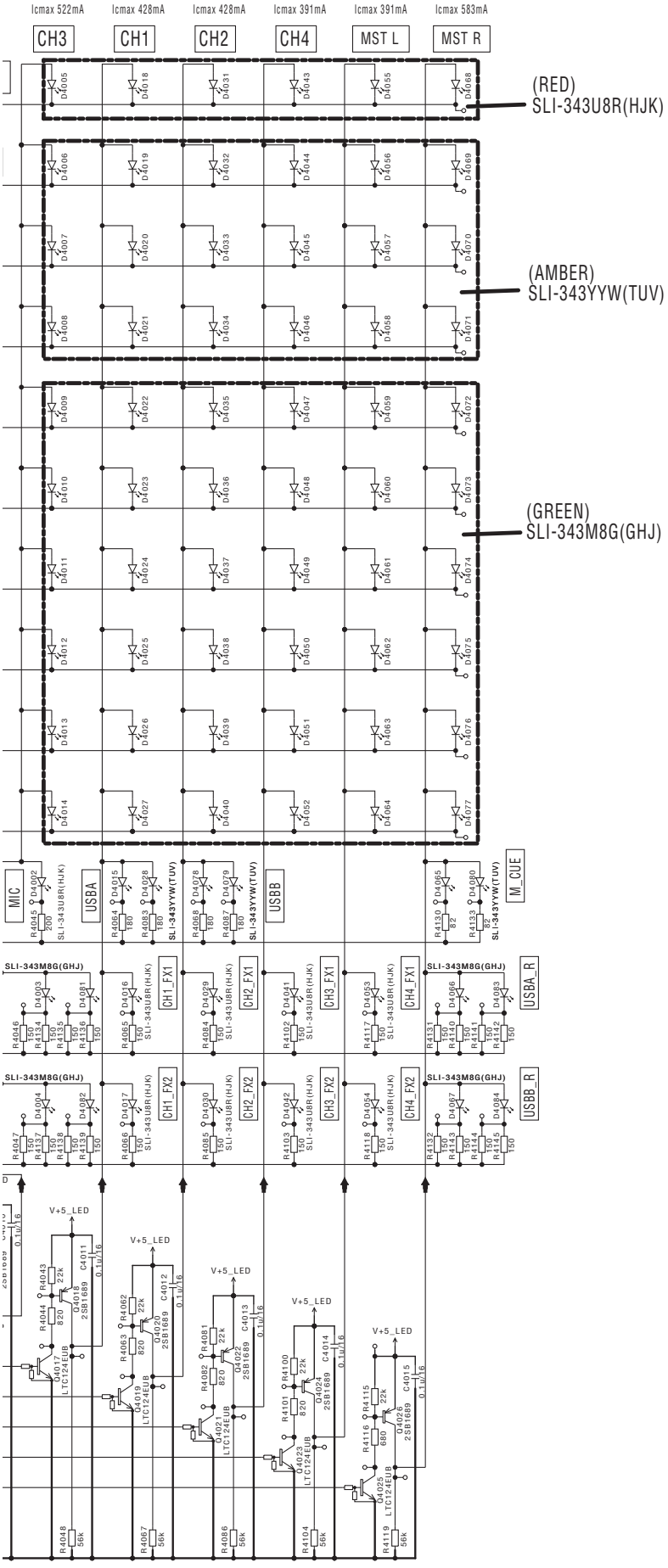
CH4_FADER



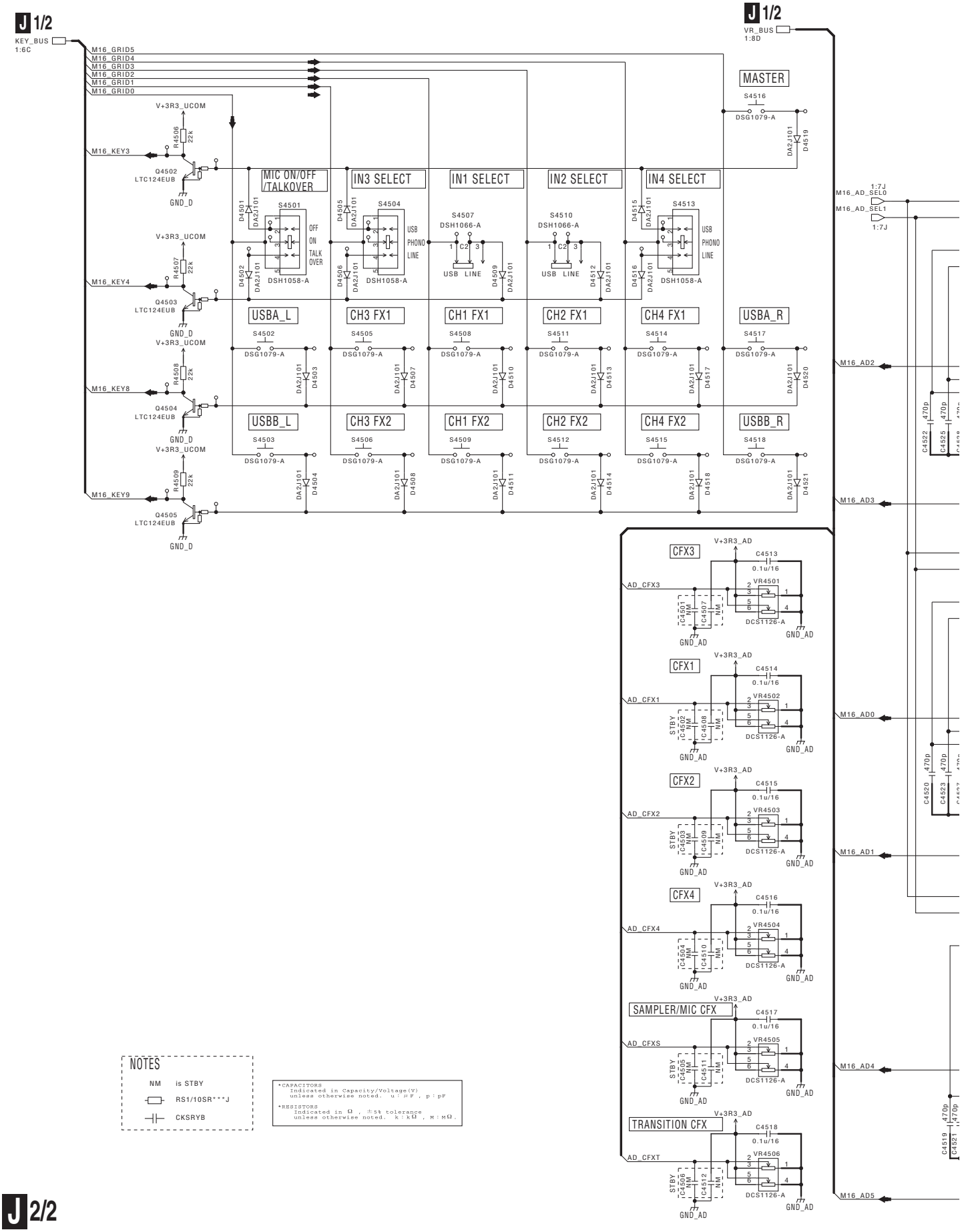
10.23 MXRA ASSY (1/2)



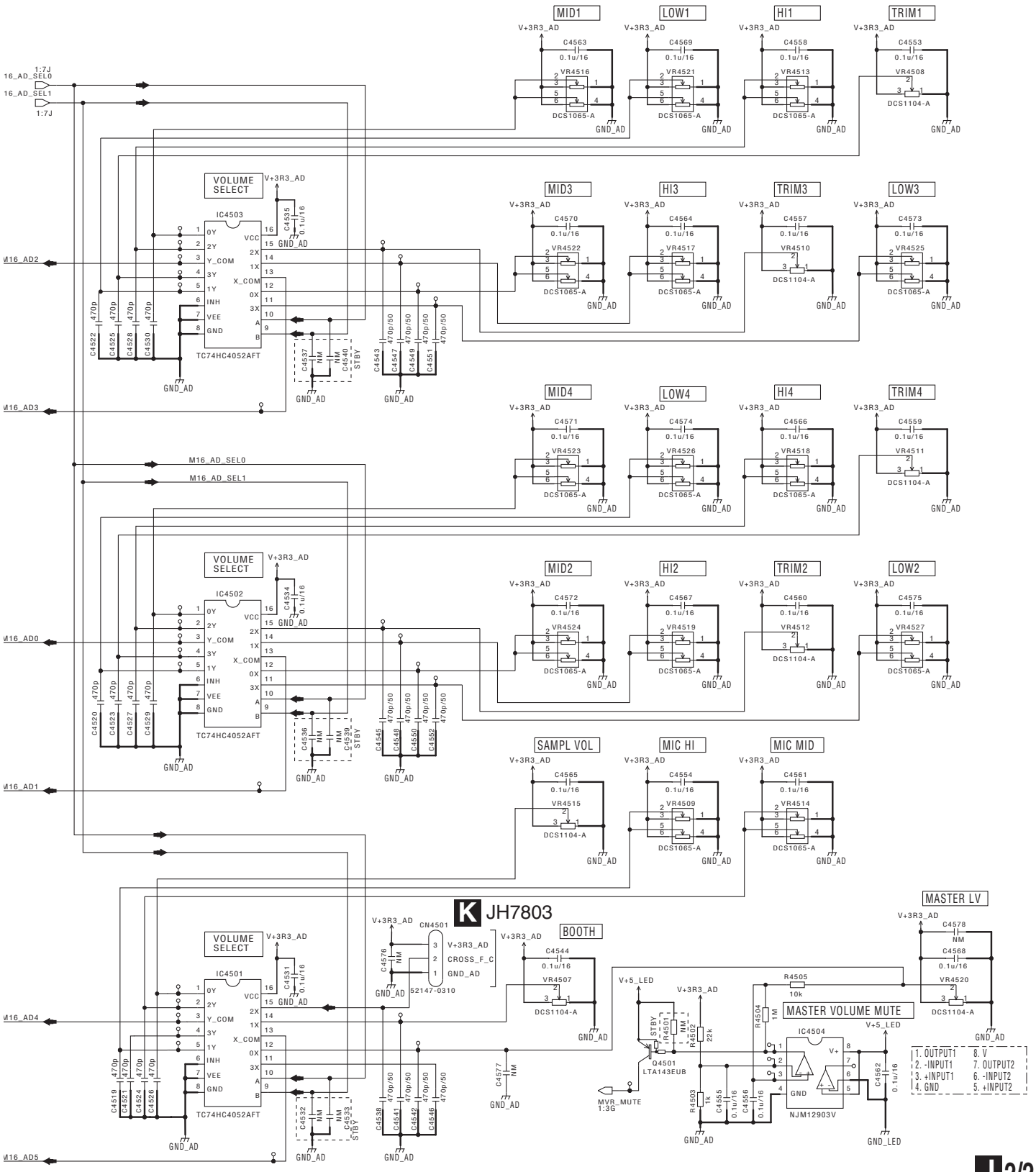
J 1/2 MXRA ASSY (DWX3543)



10.24 MXRA ASSY (2/2)

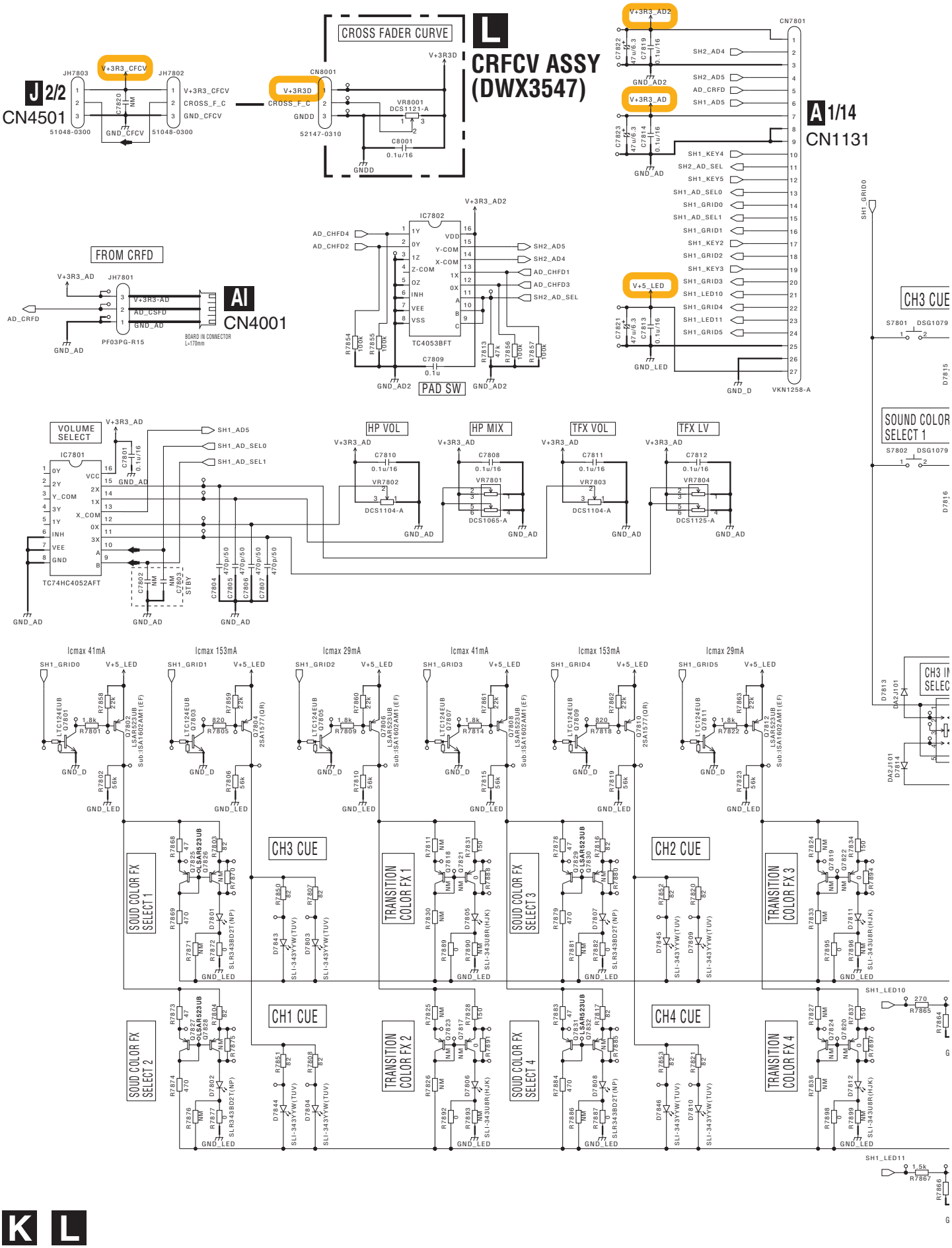


J 2/2 MXRA ASSY (DWX3543)



J 2/2

10.25 MXRB ASSY



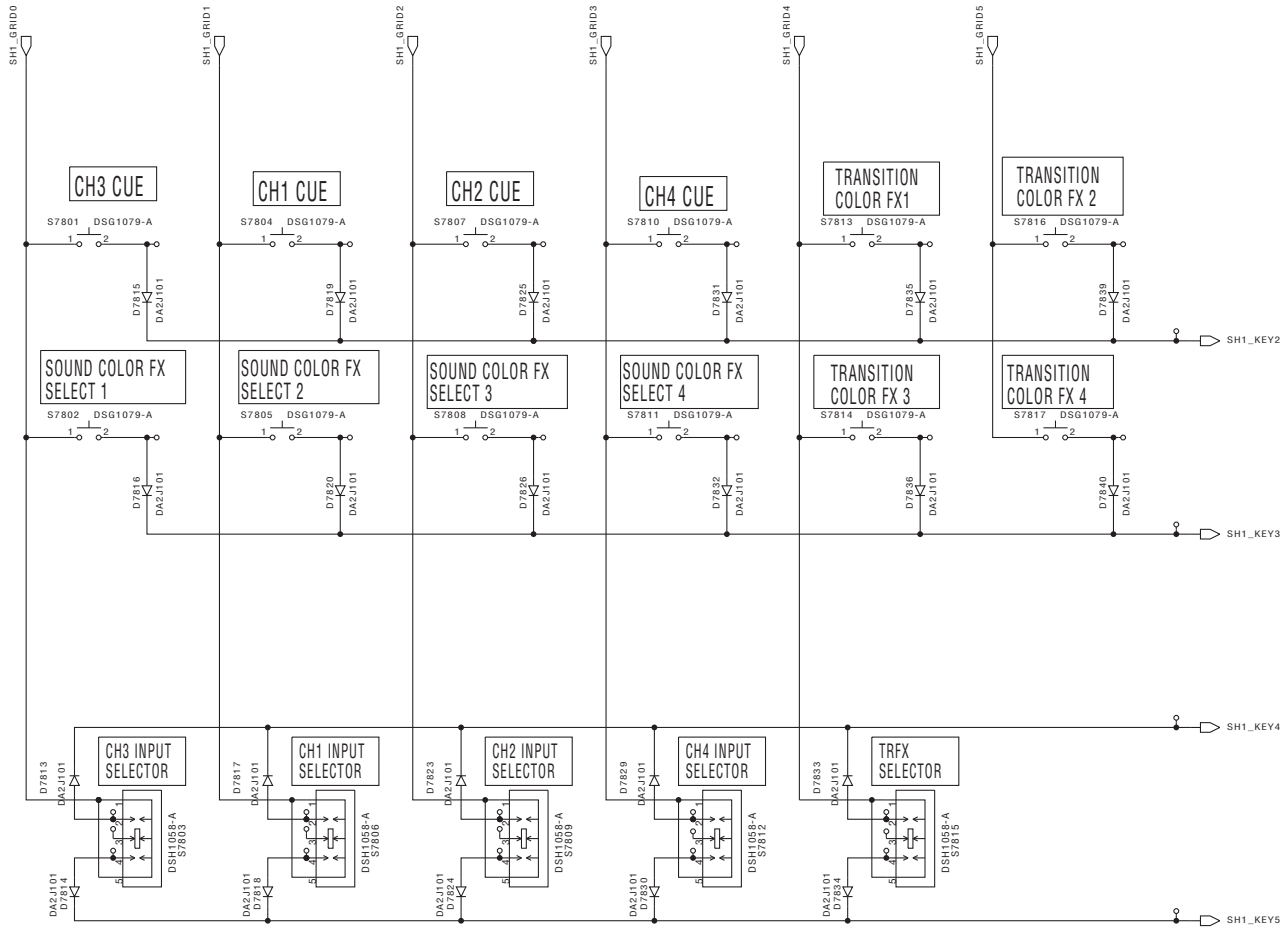
K MXRB ASSY (DWX3544)

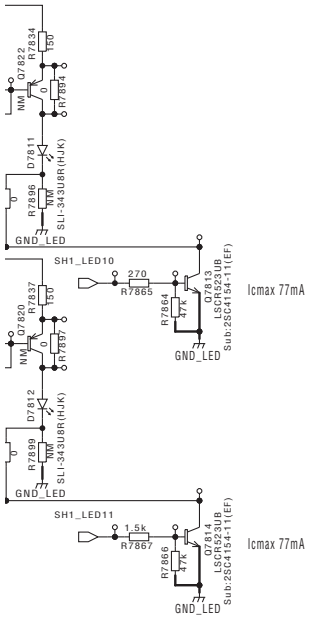
NOTES
NM means STANDBY
RS1/10SR***J
CKSRYB
CEJQ

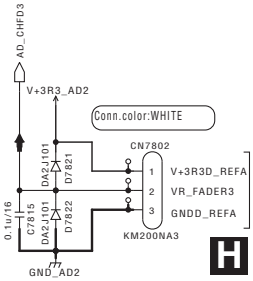
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

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

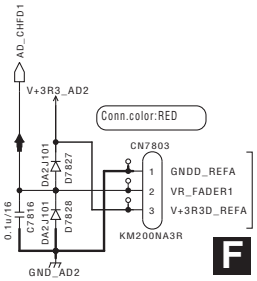
/14
1131



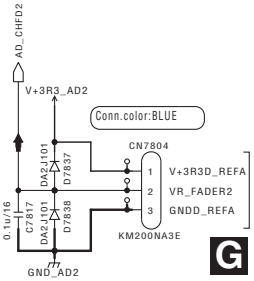




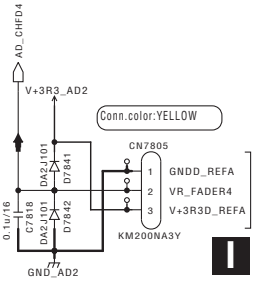
H
CN9011



F
CN9021



G
CN9031

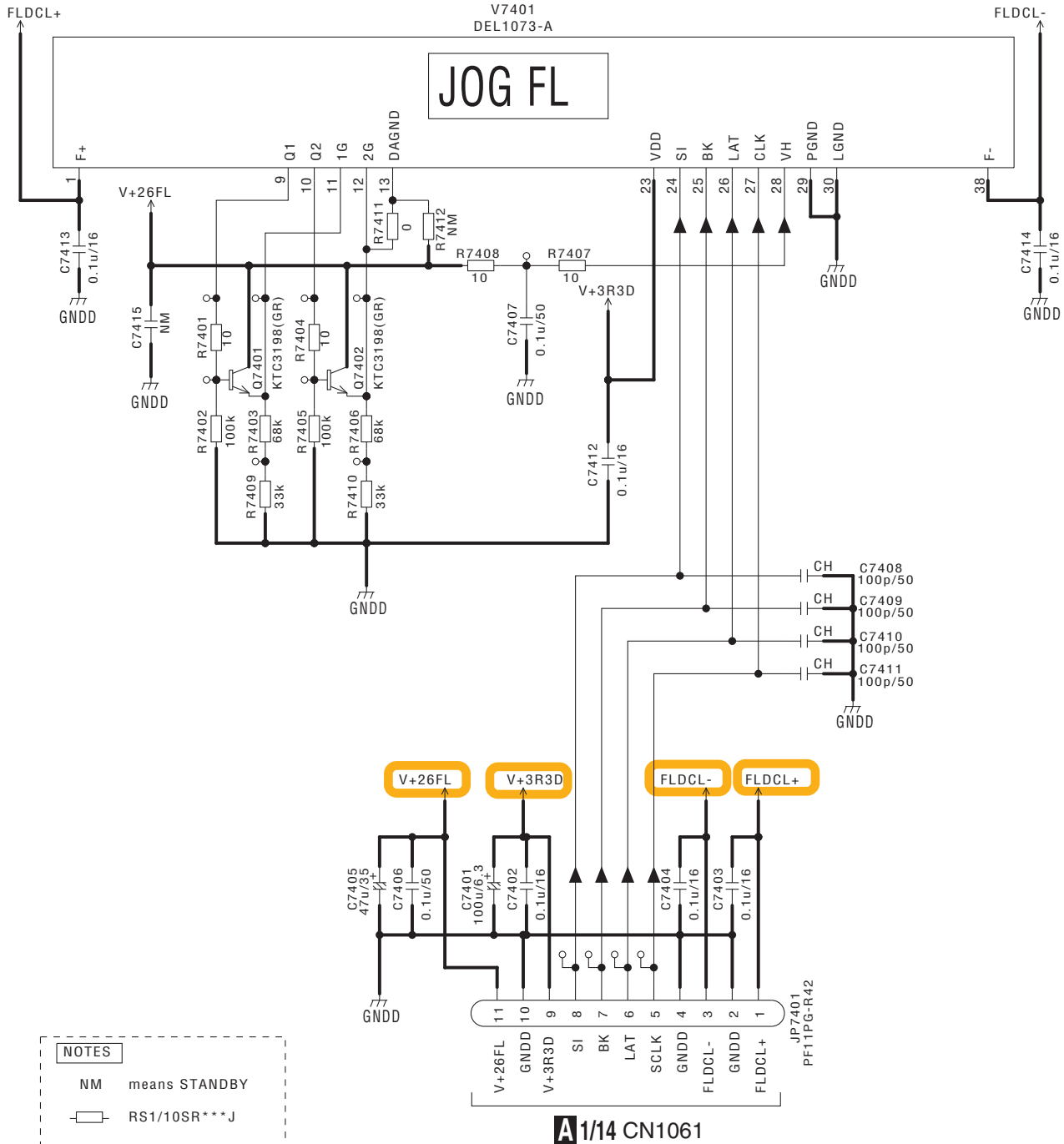


I
CN9041

10.26 JFLL and JFLR ASSYS

M JFLL ASSY (DWX3545)

JFLL ASSY(JOG FL LEFT)



NOTES

NM means STANDBY

RS1/10SR***J

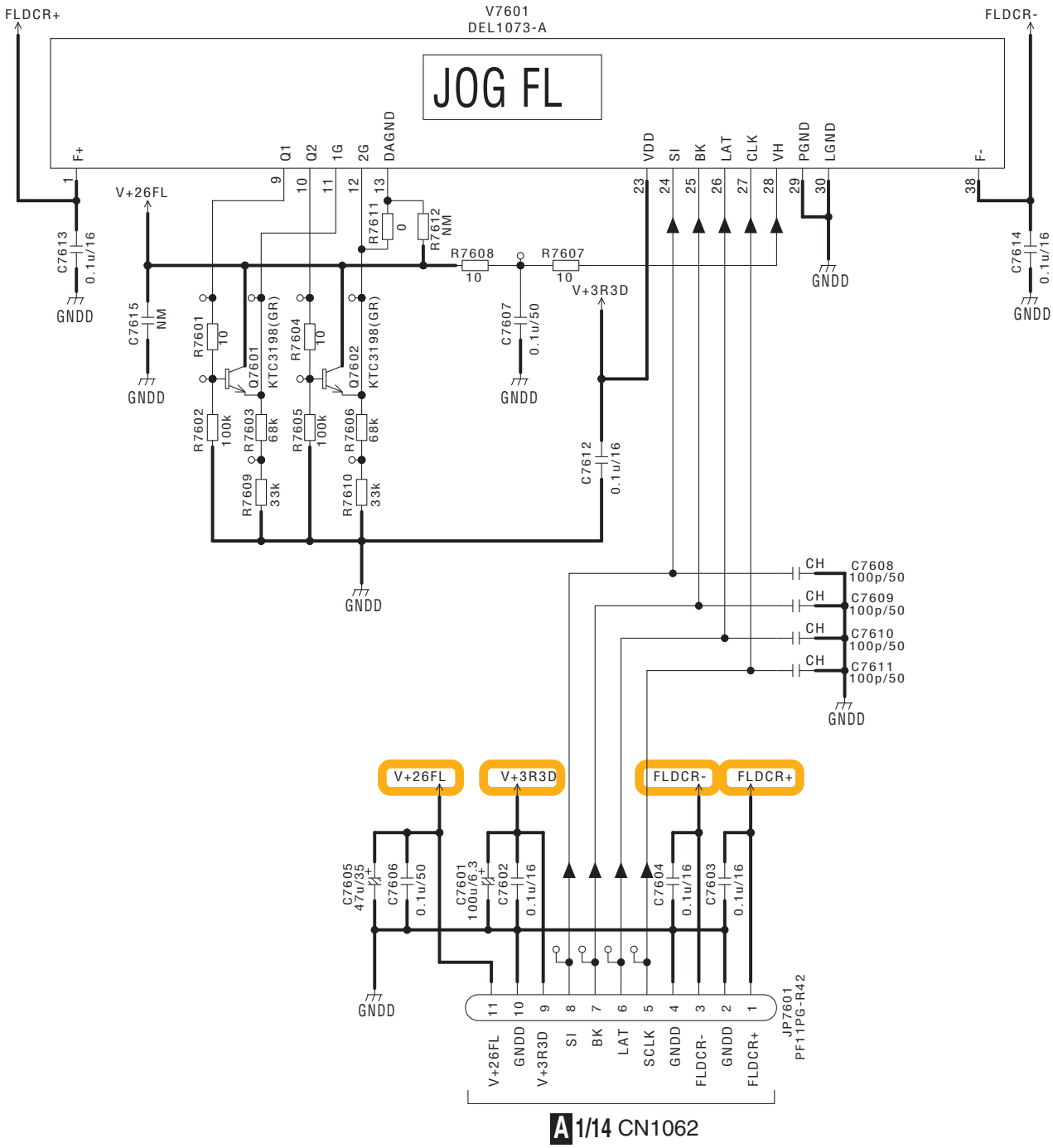
CKSRYB

CH CCSRCH

CEAT

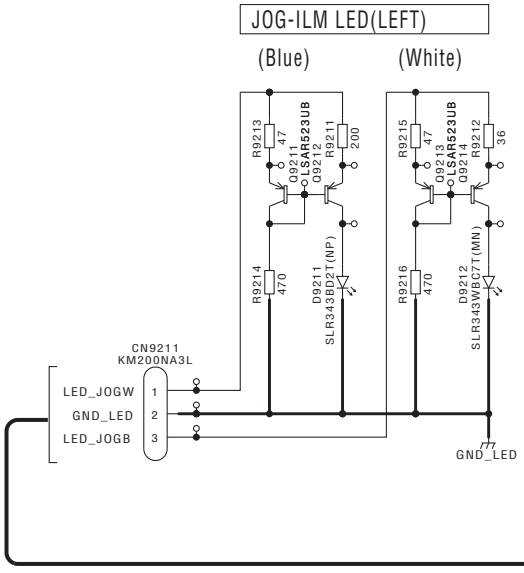
N JFLR ASSY (DWX3546)

JFLR ASSY(JOG FL RIGHT)

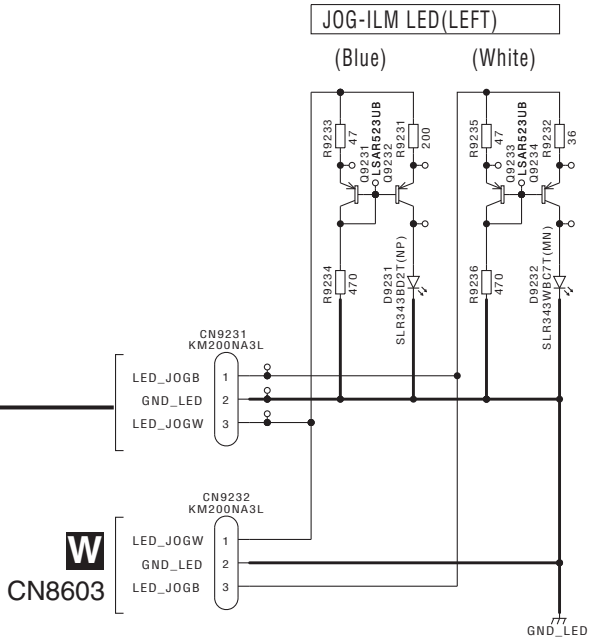


10.27 JLL1 to JLL4 and JLR1 to JLR4 ASSYS

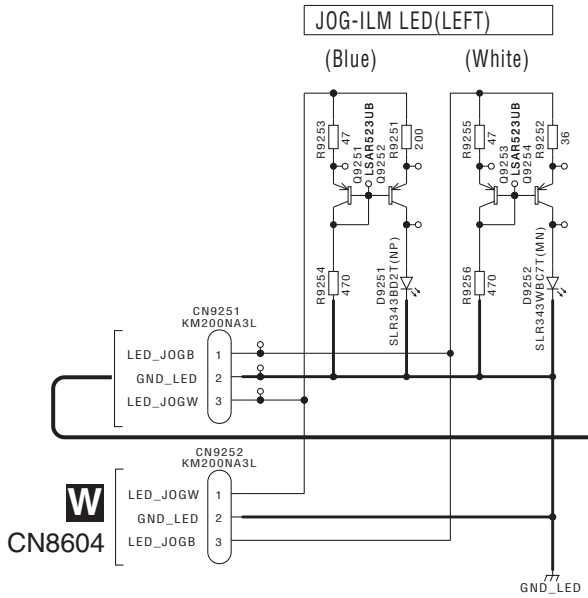
O JLL1 ASSY (DWX3556)



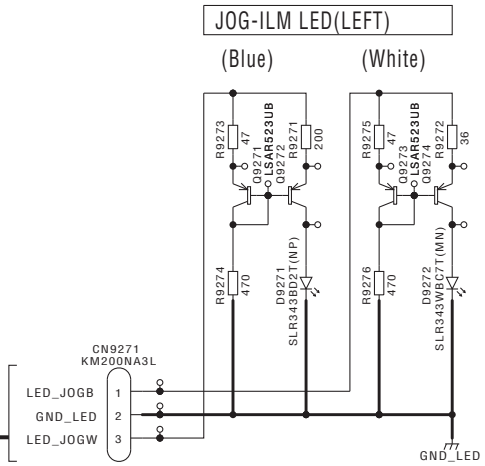
P JLL2 ASSY (DWX3557)



Q JLL3 ASSY (DWX3558)



R JLL4 ASSY (DWX3559)



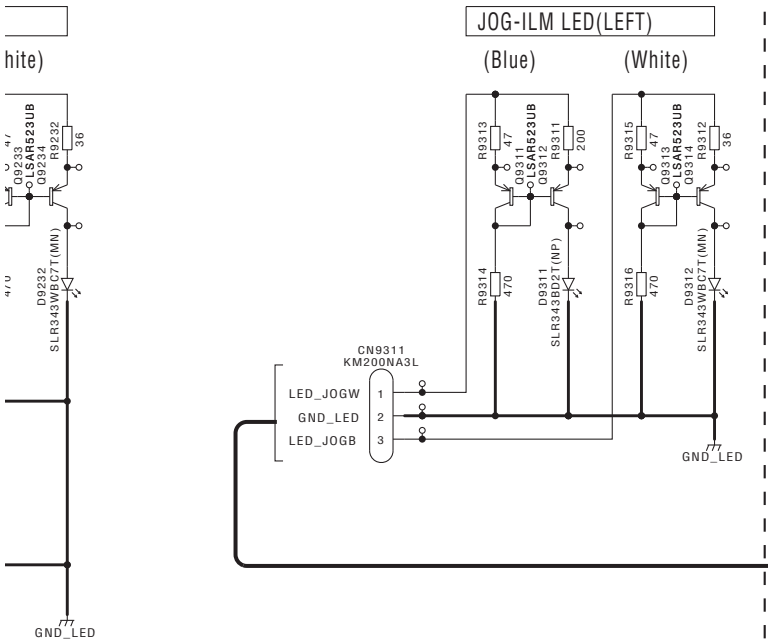
NOTES

NM	is No Mount
	RS1/10SR***J
	CKSRYB***K

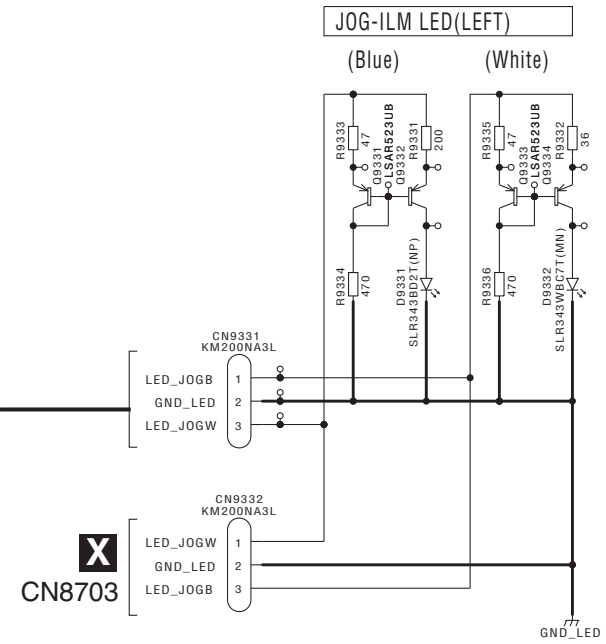
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

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

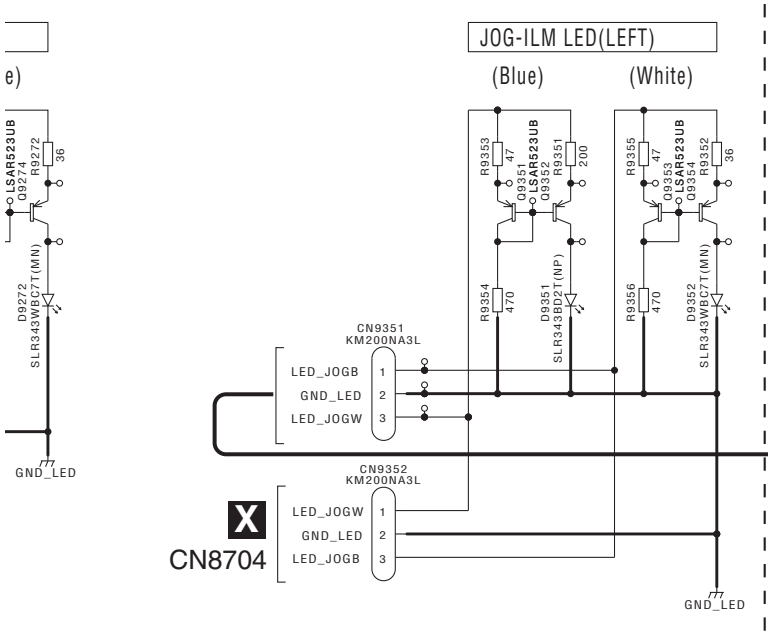
S JLR1 ASSY (DWX3561)



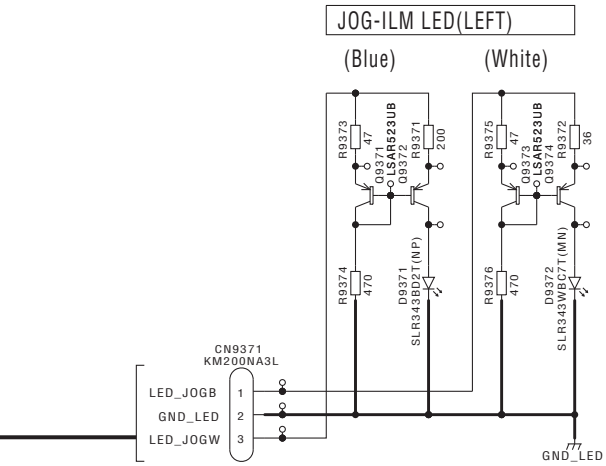
T JLR2 ASSY (DWX3562)



U JLR3 ASSY (DWX3563)

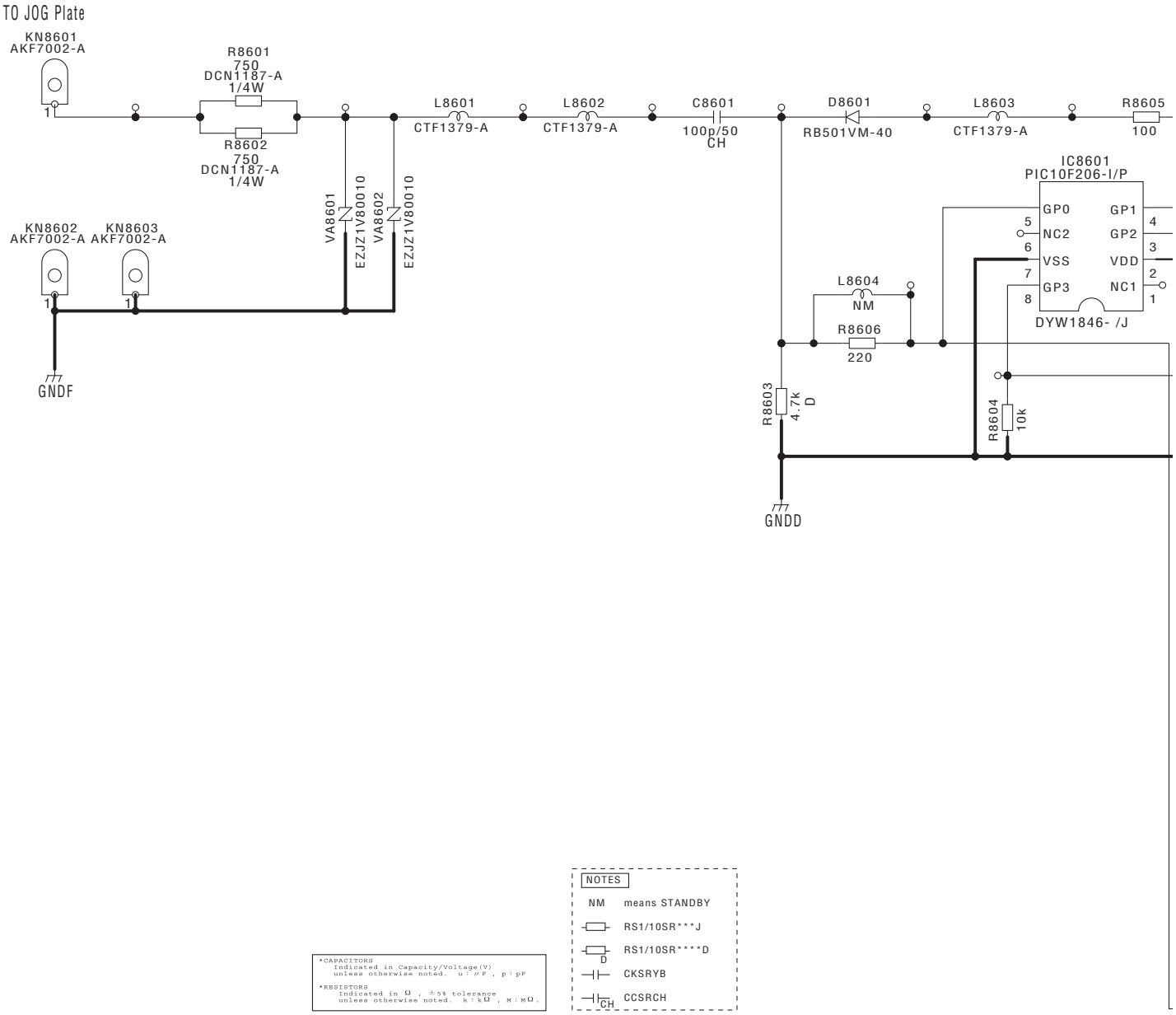


V JLR4 ASSY (DWX3564)

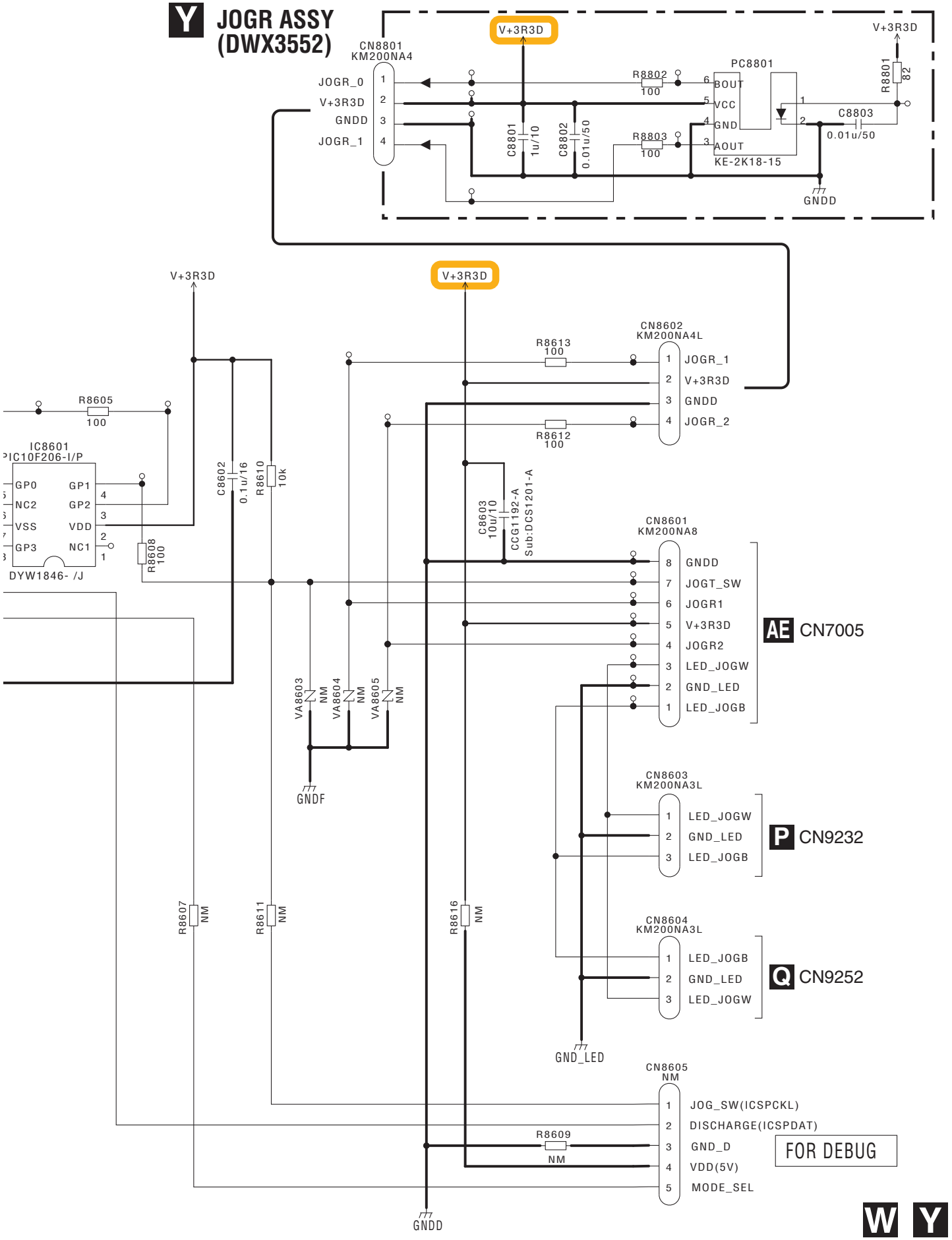


10.28 JOGTL and JOGR ASSYS

W JOGTL ASSY (DWX3551)

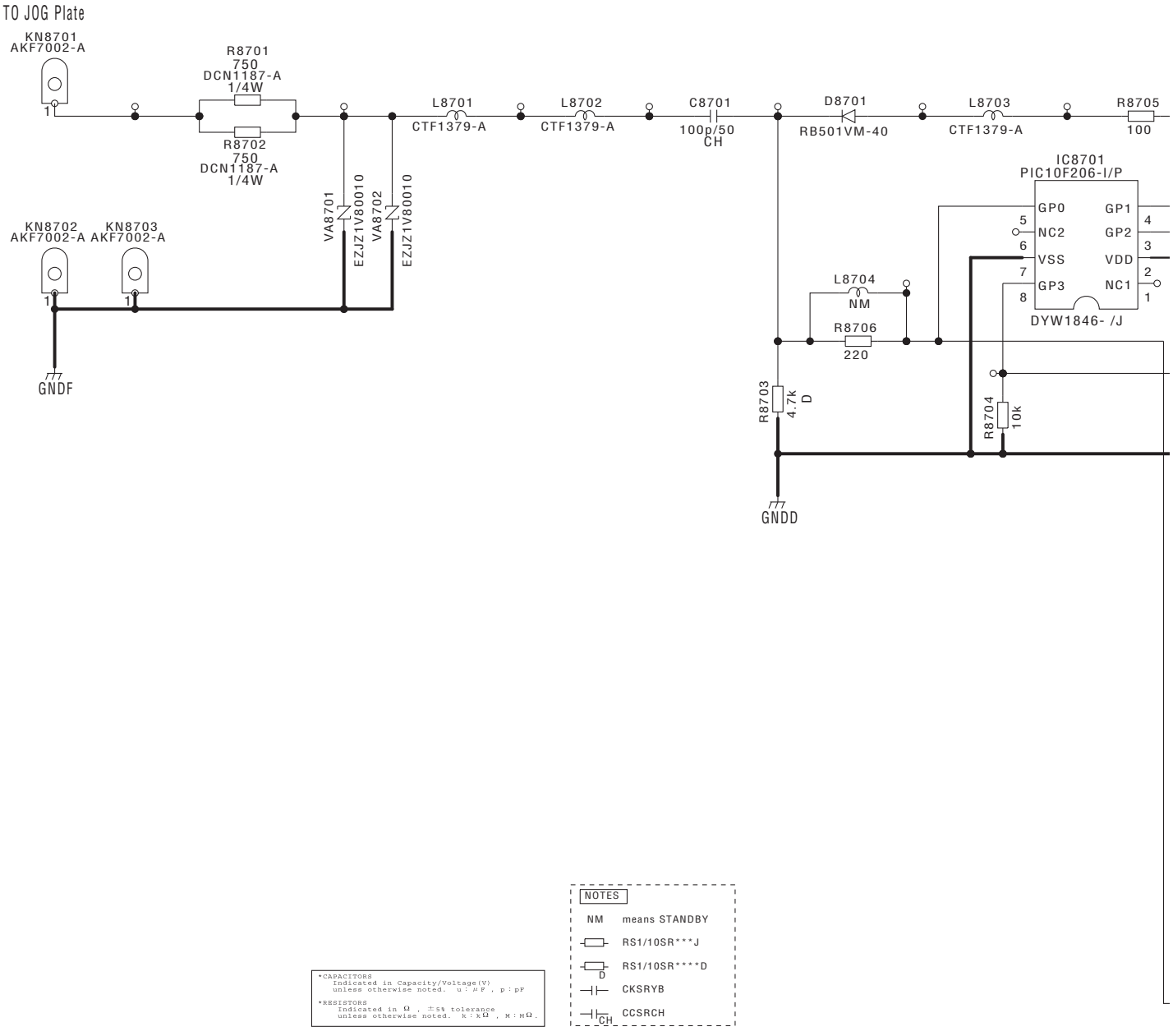


Y JOGR ASSY (DWX3552)



10.29 JOGTR and JOGR ASSYS

X JOGTR ASSY (DWX3565)



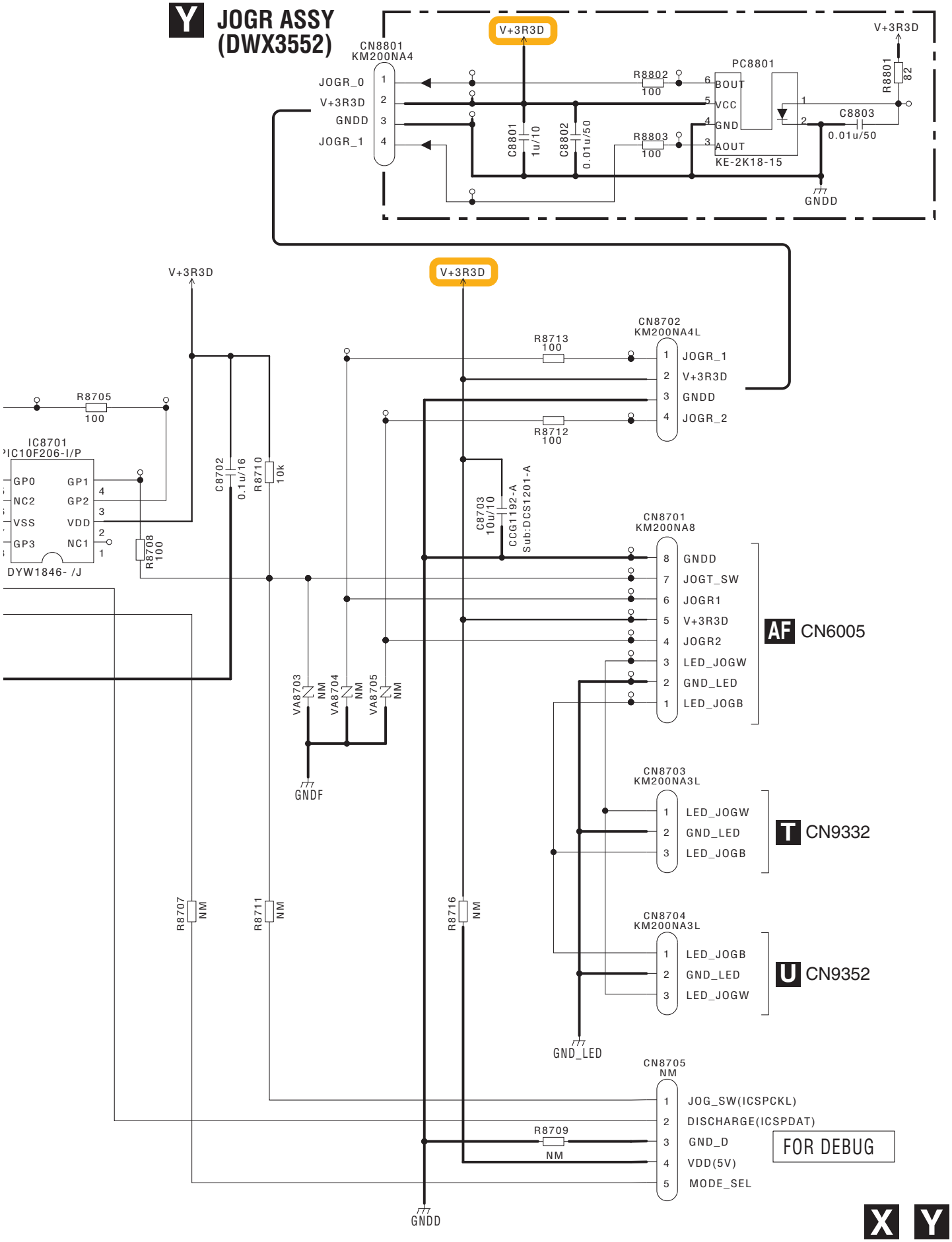
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

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

NOTES

NM	means STANDBY
	RS1/10SR***J
D	RS1/10SR****D
	CKSRYB
CH	CCSRCH

Y JOGR ASSY (DWX3552)



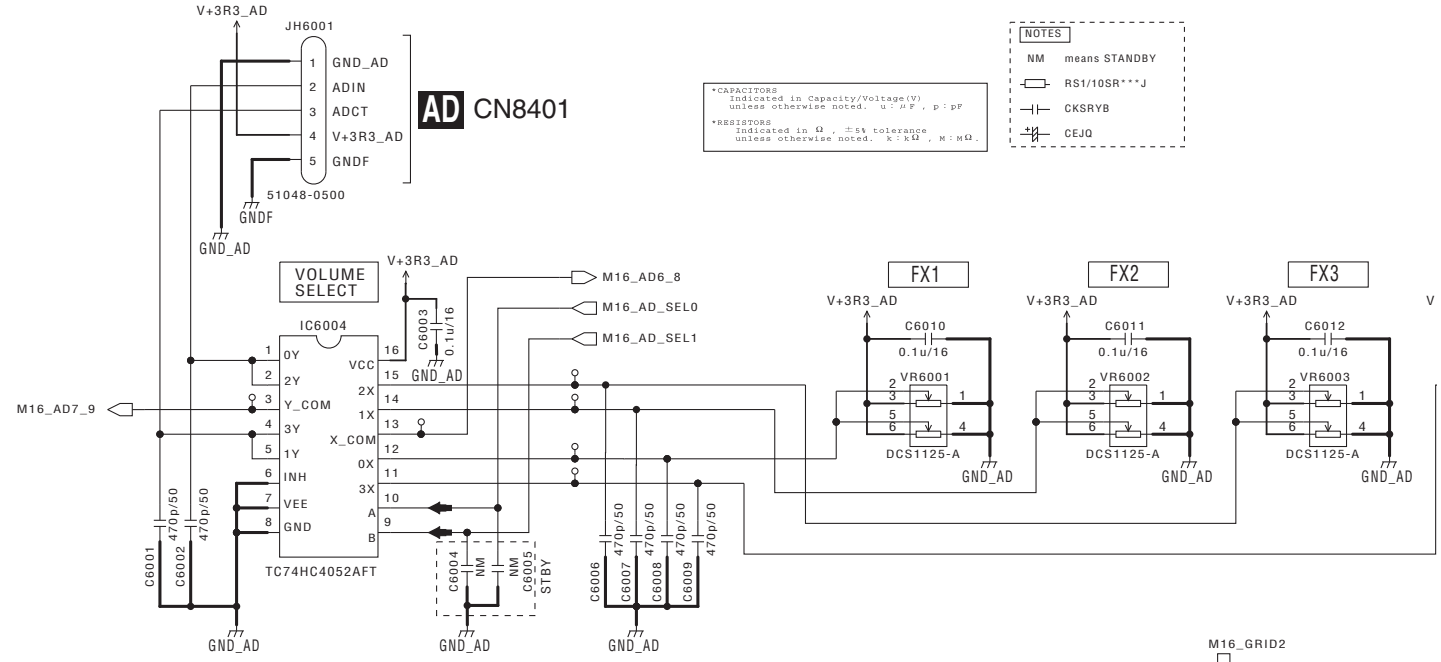
10.30 DEUP, DEUPR and PSWB ASSYS

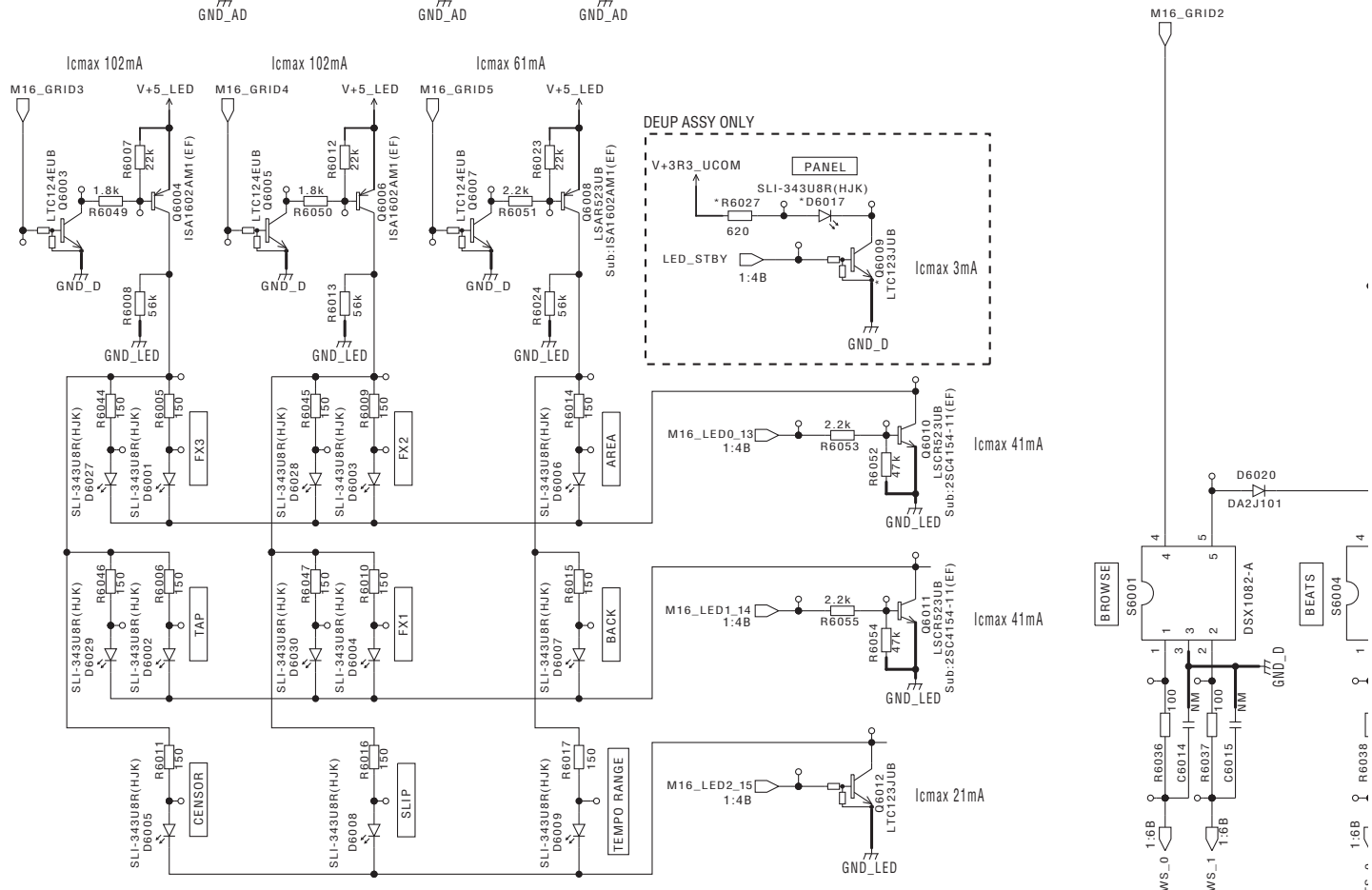
In this manual, the same reference numbers are allotted to the electrical parts of the Assys indicated below. Be sure to confirm the Assy name, as well as the reference number.

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

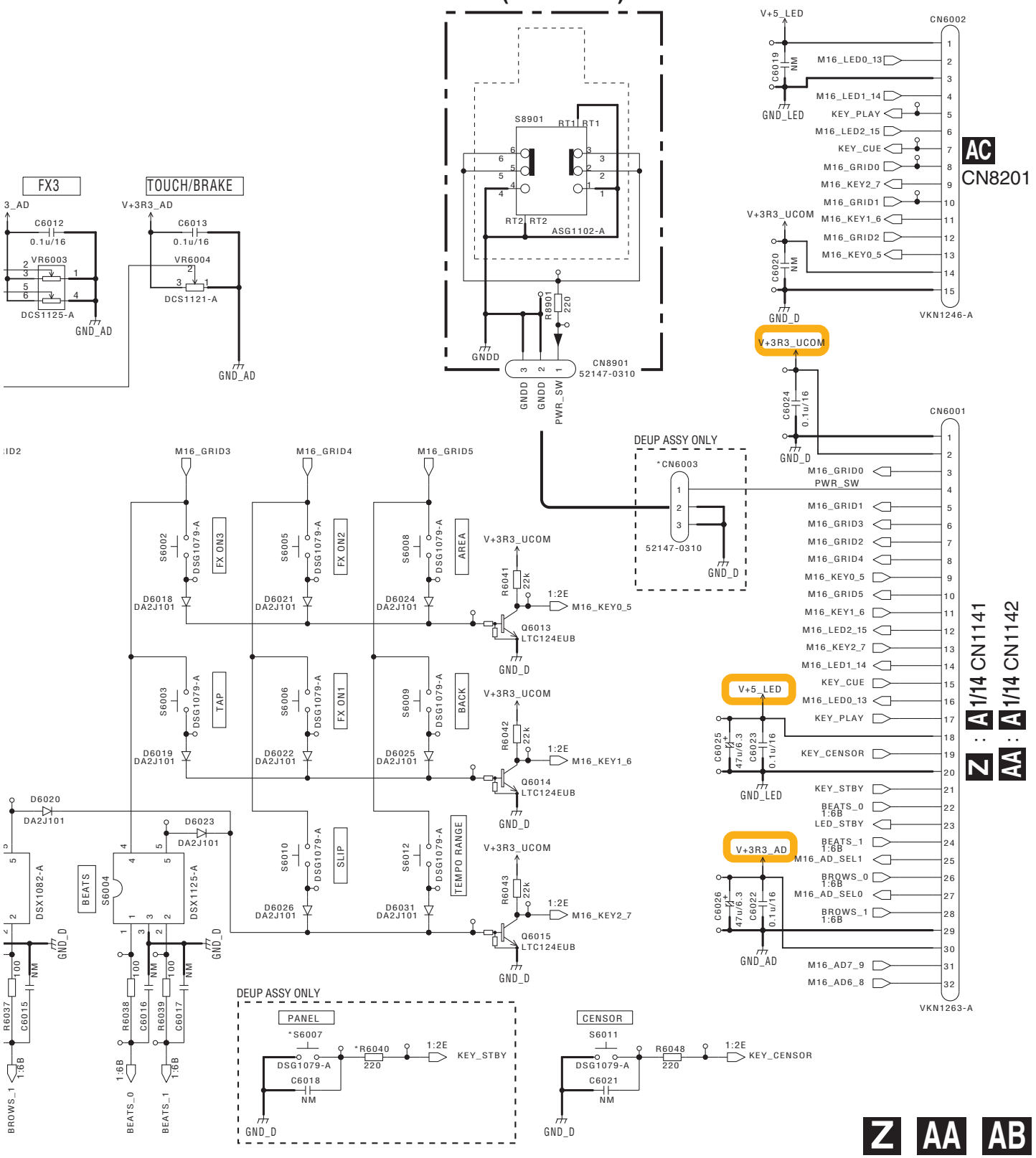




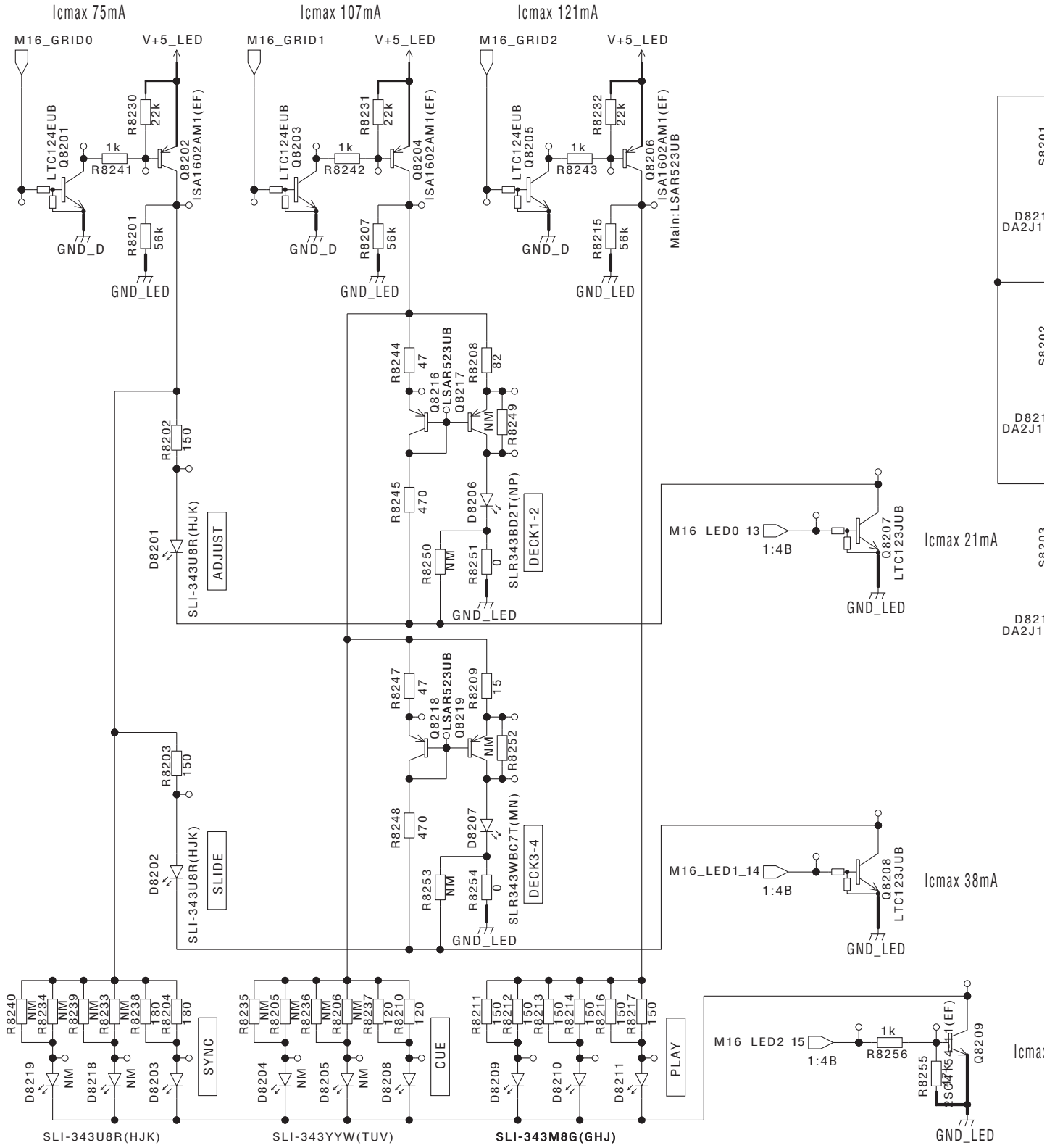
Z AA

Z DEUP ASSY (DWX3548)
AA DEUPR ASSY (DWX3580)

AB PSWB ASSY (DWX3560)



10.31 KSWB ASSY

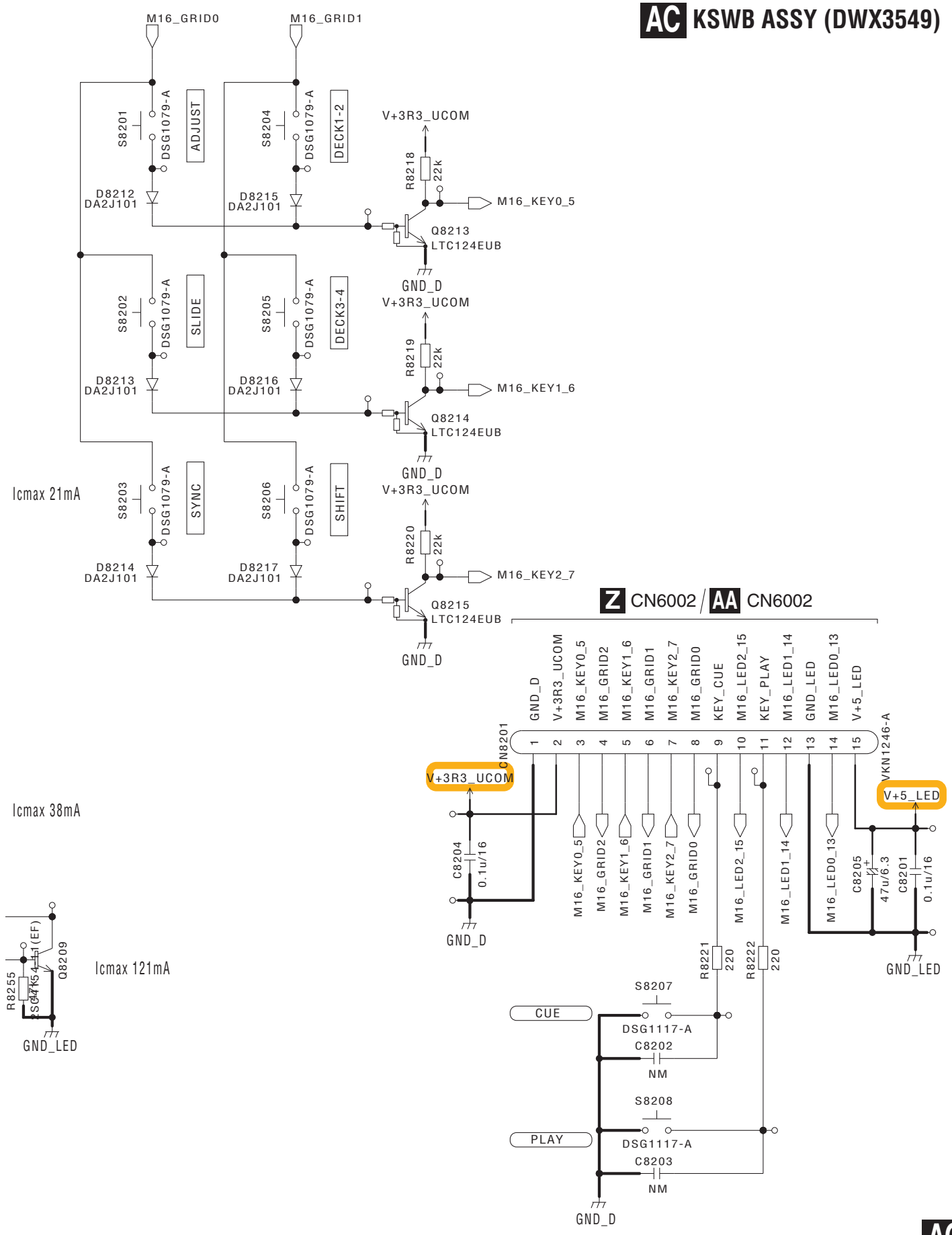


*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

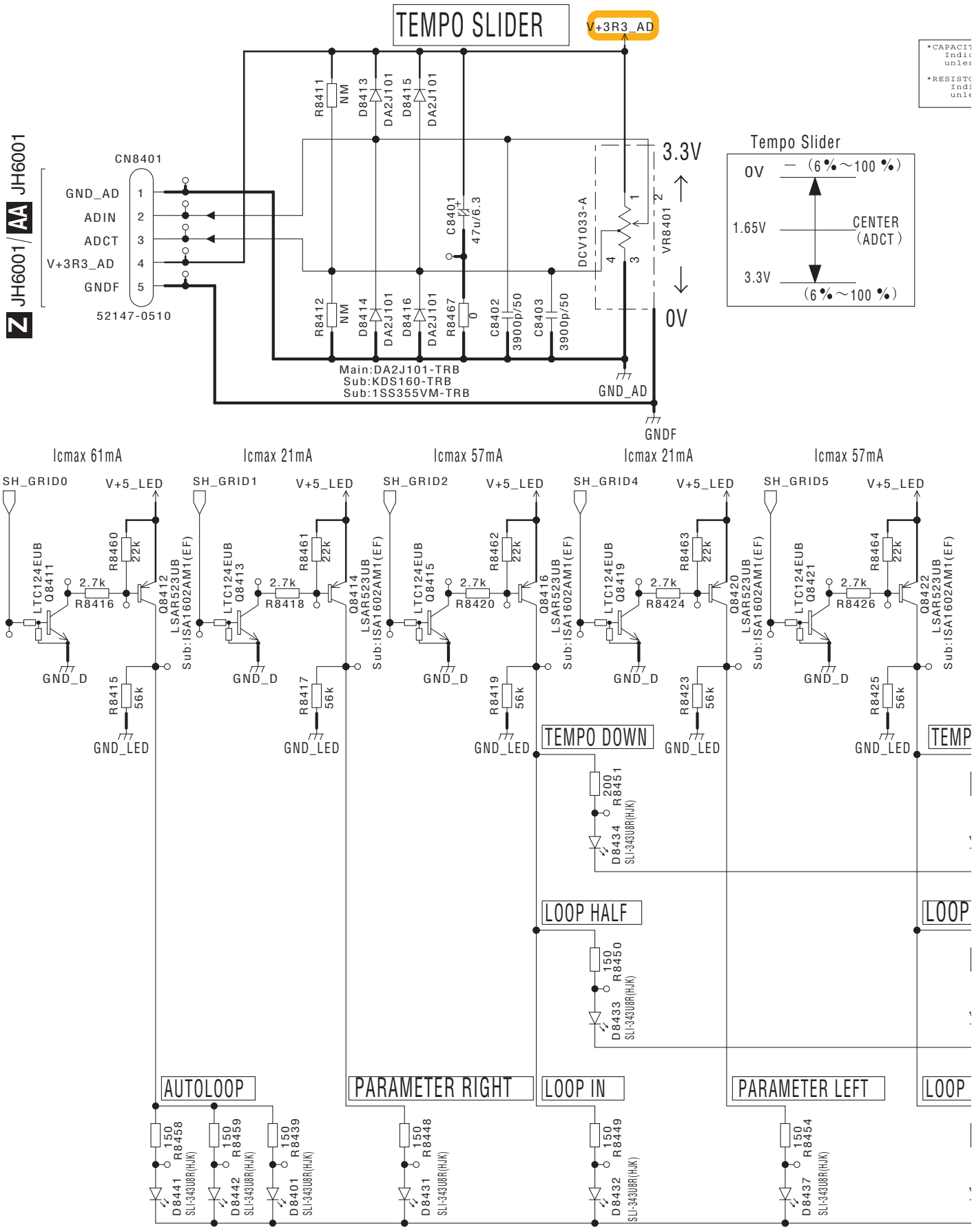
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

NOTES
NM means STANDBY
RS1/10SR***J
CKSRYB
CEJQ

AC KSWB ASSY (DWX3549)



10.32 SLDB ASSY



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

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

NOTES
NM means STANDBY
RS1/10SR***J
CKSRYB
CEJQ

100 %)
CENTER
(ADCT)
100 %)

SH_GRID0
SH_GRID1
SH_GRID2
SH_GRID4
SH_GRID5

LOOP HALF
LOOP DOUBLE
S8405 DSG1079-A
S8407 DSG1079-A
DA2J101
D8419
D8421
SH_KEY0

AUTOLOOP
PARAMETER RIGHT
LOOP IN
PARAMETER LEFT
LOOP OUT
S8401 DSG1079-A
S8402 DSG1079-A
S8403 DSG1079-A
S8406 DSG1079-A
S8408 DSG1079-A
D8411
D8412
D8417
D8420
D8422
SH_KEY1

Main:DA2J101-TRB
Sub:KDS160-TRB
Sub:1SS355VM-TRB

57mA
V+5_LED
R8464 22k
7k
i426
Q8422 LSAR523UB
Sub:ISA1602AM1(EF)
R8425 56k
GND_LED

TEMPO UP
R8457 200
D8440 SLI-343U8R(HJK)
SH_LED7
1:4B
Q8426 LTC123JUB
Icmax 16mA
GND_LED

LOOP DOUBLE
R8456 150
D8439 SLI-343U8R(HJK)
SH_LED8
1:4B
Q8427 LTC123JUB
Icmax 21mA
GND_LED

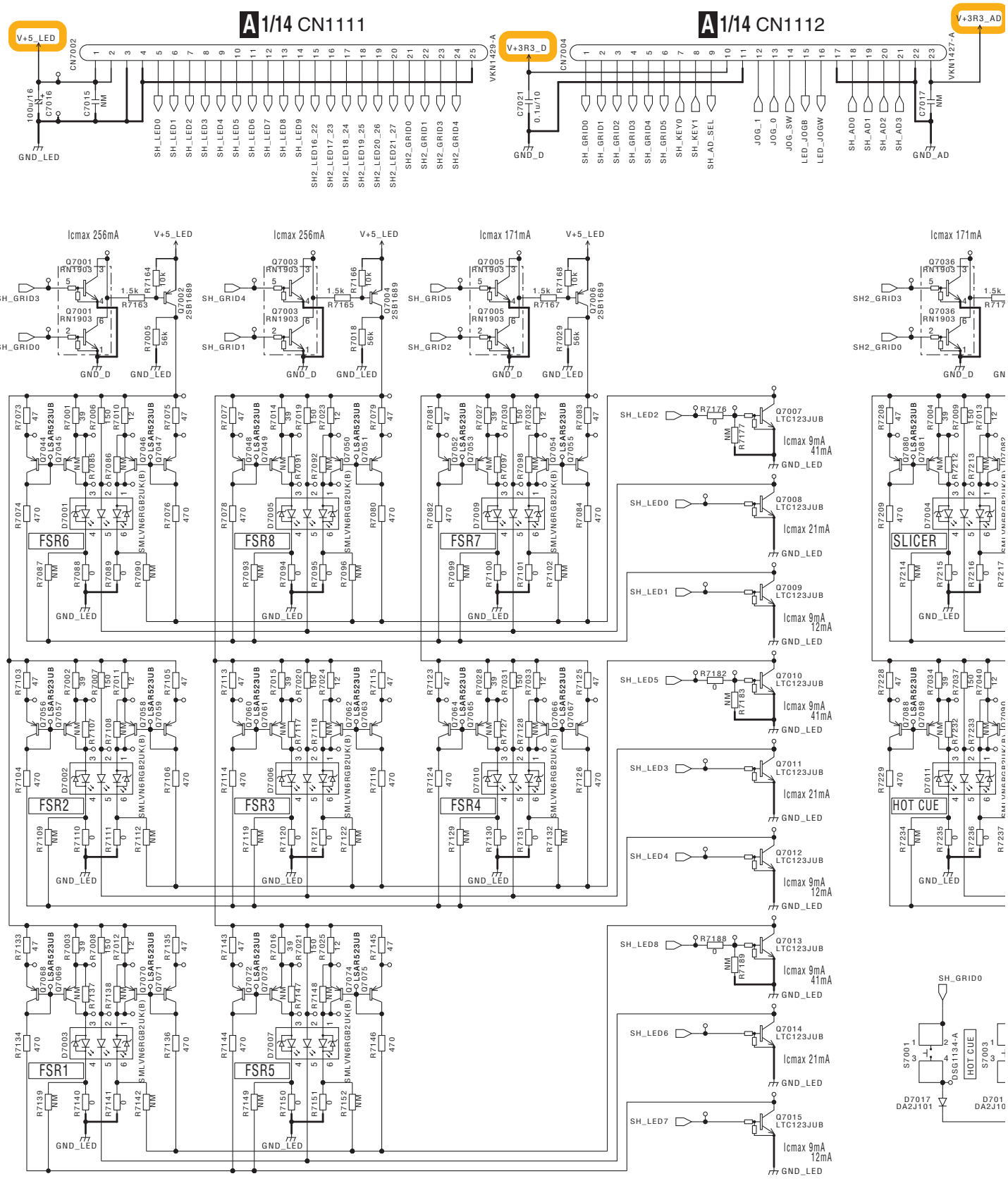
FT
LOOP OUT
R8455 150
D8438 SLI-343U8R(HJK)
SH_LED9
1:4B
1.8k
R8466
R8465 47K
Q8428 LSCR523UB
Sub:2SC4154-11(EF)
Icmax 61mA
GND_LED

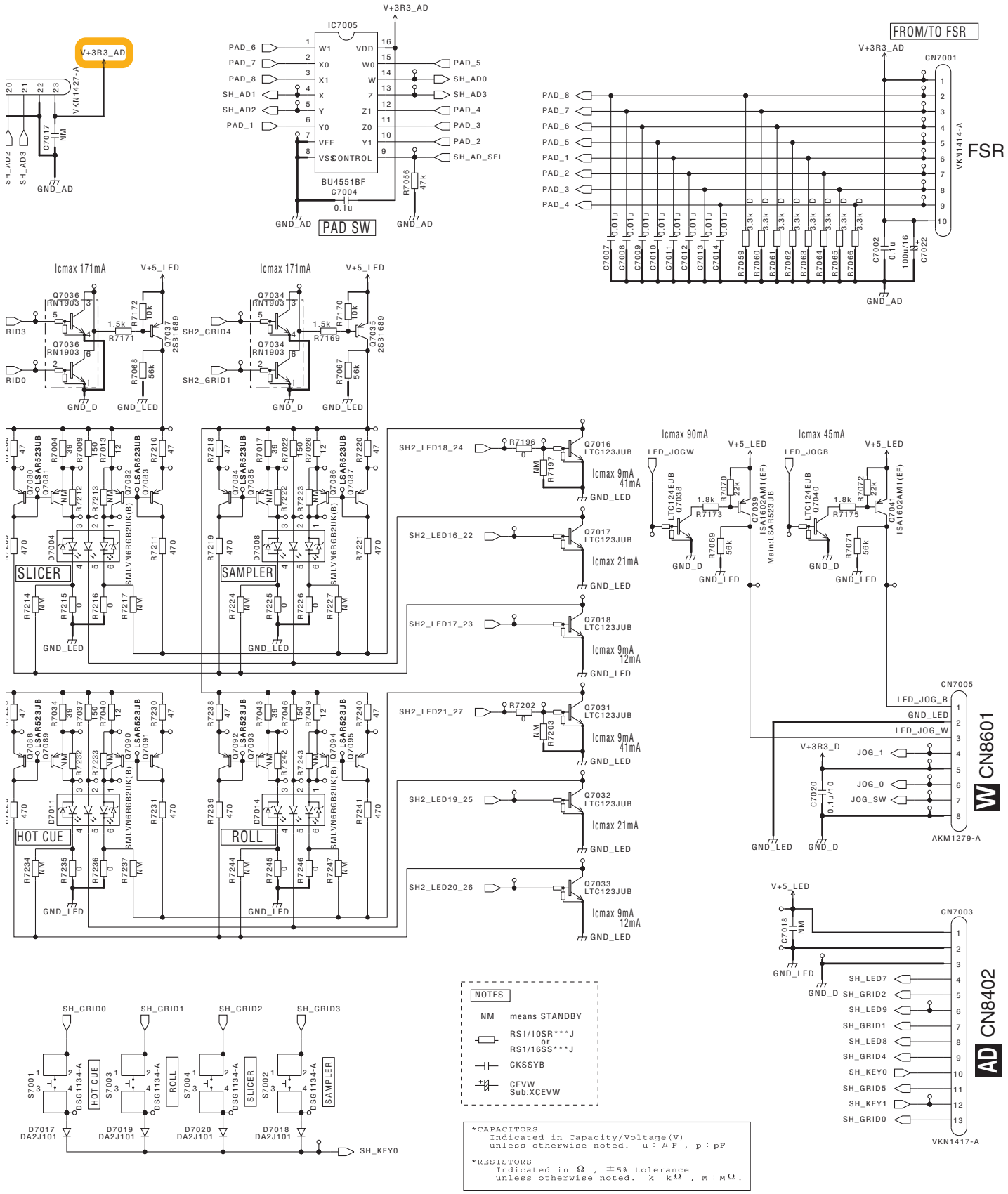
V+5_LED
C8405 47u/6.3
C8404 0.1u/16
GND_LED
GND_D

CN8402
1 2 3 4 SH_LED7 5 SH_GRID2 6 SH_LED9 7 SH_GRID1 8 SH_LED8 9 SH_GRID4 10 SH_KEY0 11 SH_GRID5 12 SH_KEY1 13 SH_GRID0
VKN1244-A

AE CN7003/
AF CN6003

10.33 PADL ASSY




V+3R3_AD
VKN1427-A
C7017
NM
GND_AD
IC7005
BU4551BF
C7004
0.1u
R7056
47k
PAD_SW
PAD_6
PAD_7
PAD_8
SH_AD1
SH_AD2
PAD_1
PAD_5
SH_AD0
SH_AD3
PAD_4
PAD_3
PAD_2
SH_AD_SEL
FROM/TO FSR
CN7001
VKN1414-A
FSR
PAD_8
PAD_7
PAD_6
PAD_5
PAD_1
PAD_2
PAD_3
PAD_4
R7059
R7060
R7061
R7062
R7063
R7064
R7065
R7066
C7002
C7022
Icmax 171mA
V+5_LED
Q7036
RN1903
Q7034
RID3
RID0
SH2_GRID4
SH2_GRID1
R7171
R7169
R7172
R7170
R7068
R7067
GND_D
GND_LED
SLICER
SAMPLER
HOT CUE
ROLL
SH2_LED18_24
SH2_LED16_22
SH2_LED17_23
SH2_LED21_27
SH2_LED19_25
SH2_LED20_26
Q7016
Q7017
Q7018
Q7031
Q7032
Q7033
LTC123JUB
Icmax 9mA
41mA
Icmax 21mA
12mA
Icmax 90mA
Icmax 45mA
LED_JOGW
LED_JOGB
Q7038
Q7039
Q7040
Q7041
ISA1602AM1(EF)
Main:LSAR523UB
CN7005
LED_JOG_B
LED_JOG_W
JOG_1
JOG_0
JOG_SW
AKM1279-A
W CN8601
CN7003
SH_LED7
SH_GRID2
SH_LED9
SH_GRID1
SH_LED8
SH_GRID4
SH_KEY0
SH_GRID5
SH_KEY1
SH_GRID0
VKN1417-A
AD CN8402
SH_GRID0
SH_GRID1
SH_GRID2
SH_GRID3
S7001
S7003
S7004
S7002
DSG1134-A
D7017
D7019
D7020
D7018
DA2J101
SH_KEY0
NOTES
NM means STANDBY
RS1/10SR***J
or
RS1/16SS***J
CKSSYB
CEVW
Sub:XCEVW
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF
*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

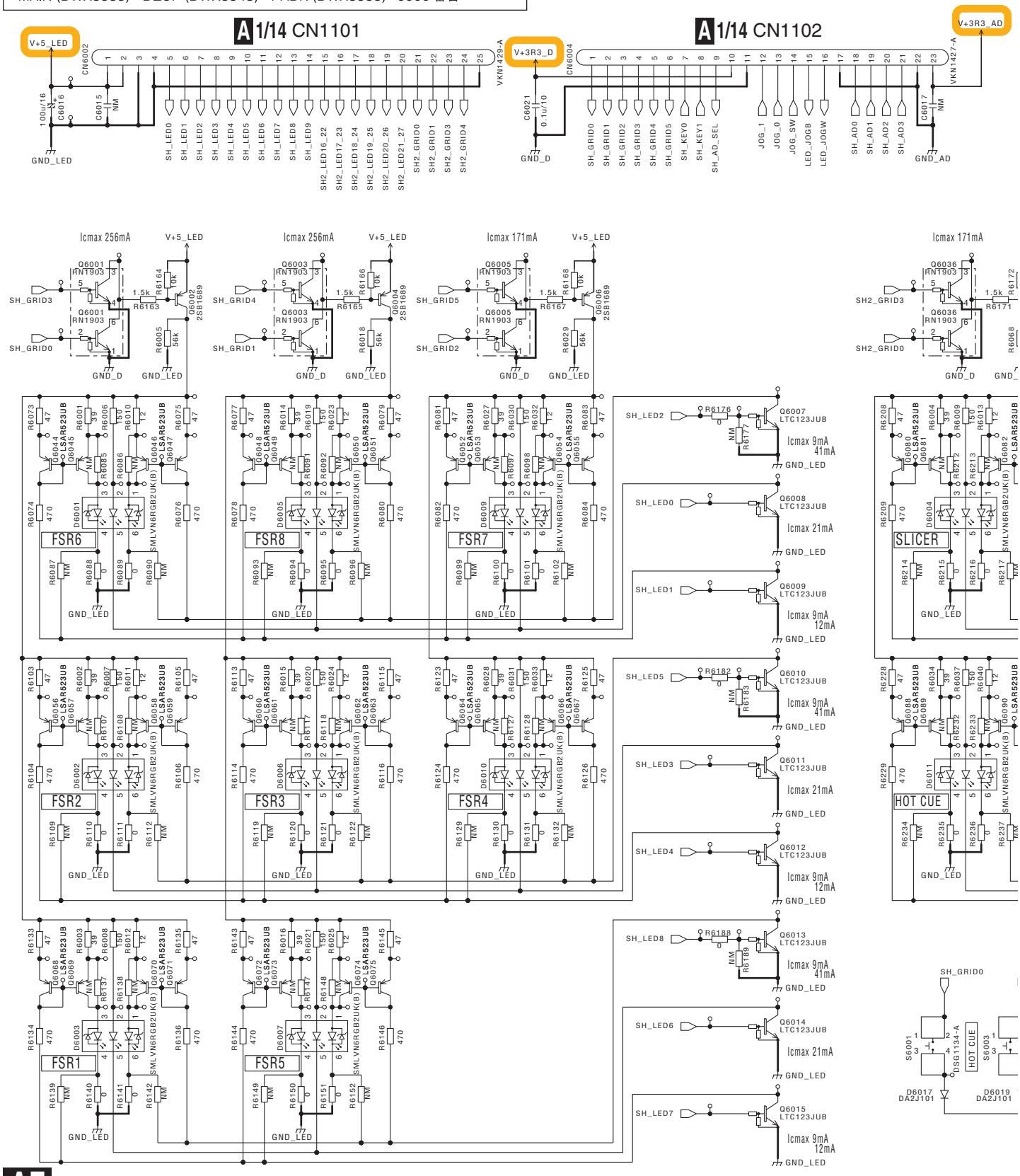
10.34 PADR ASSY

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

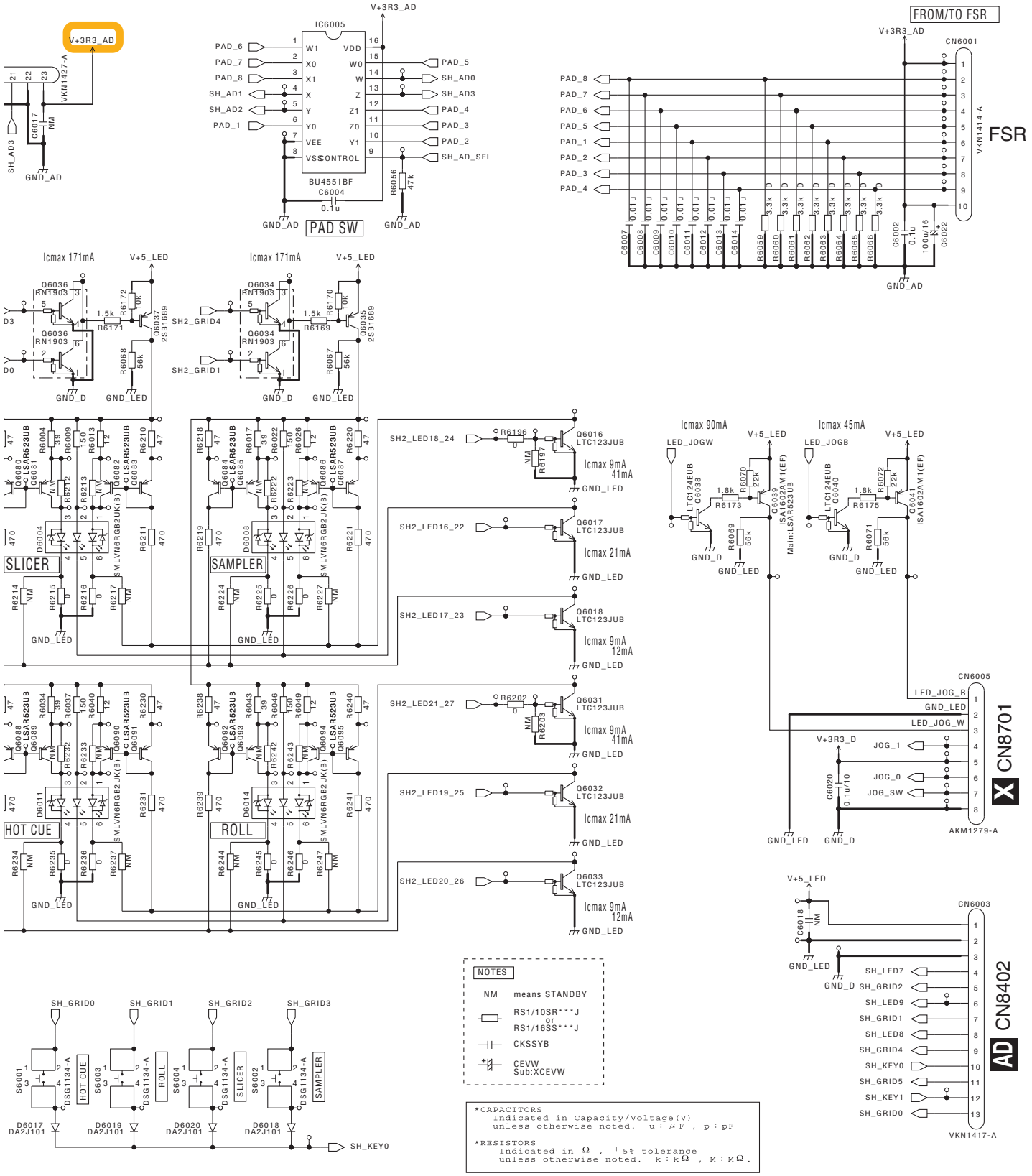
※ASSY 間でリファレンスの重なりあり。

ASSY	重なっている番号
MAIN (DWX3535) - DEUP (DWX3548) - PADR (DWX3583)	6000 番台



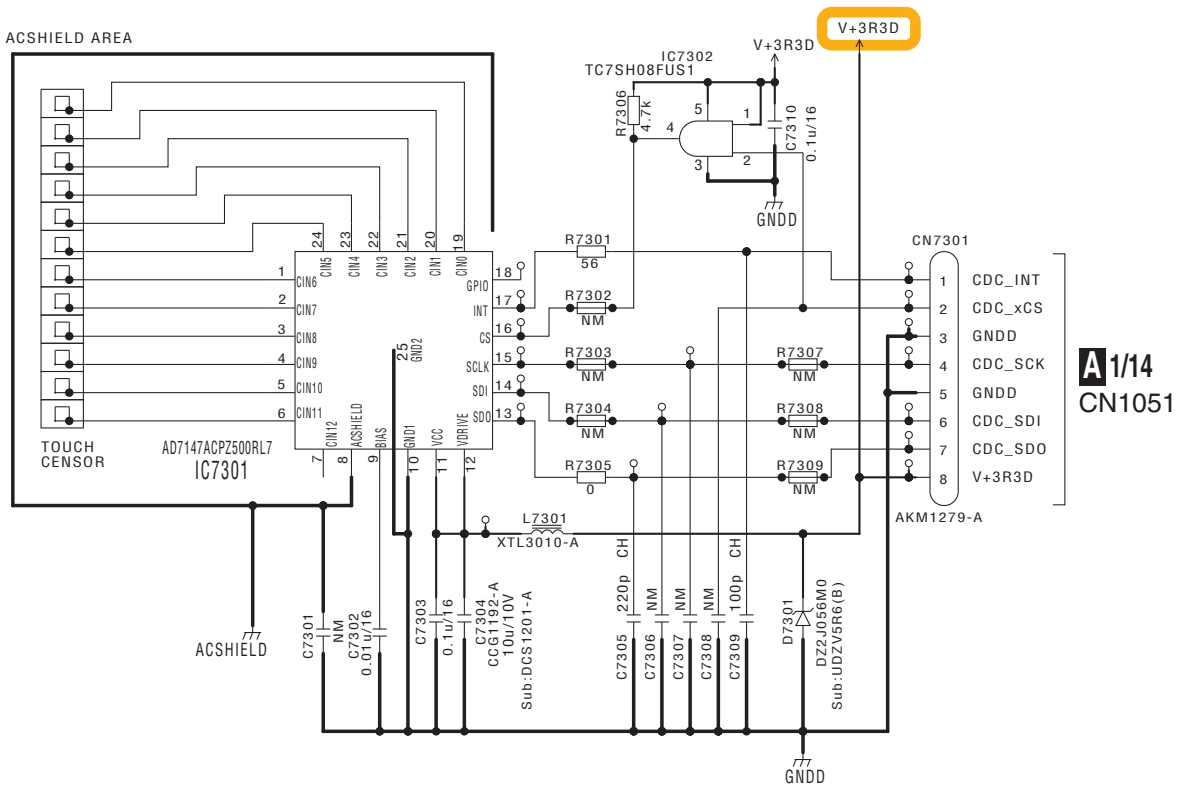
AF

AF PADR ASSY (DWX3583)

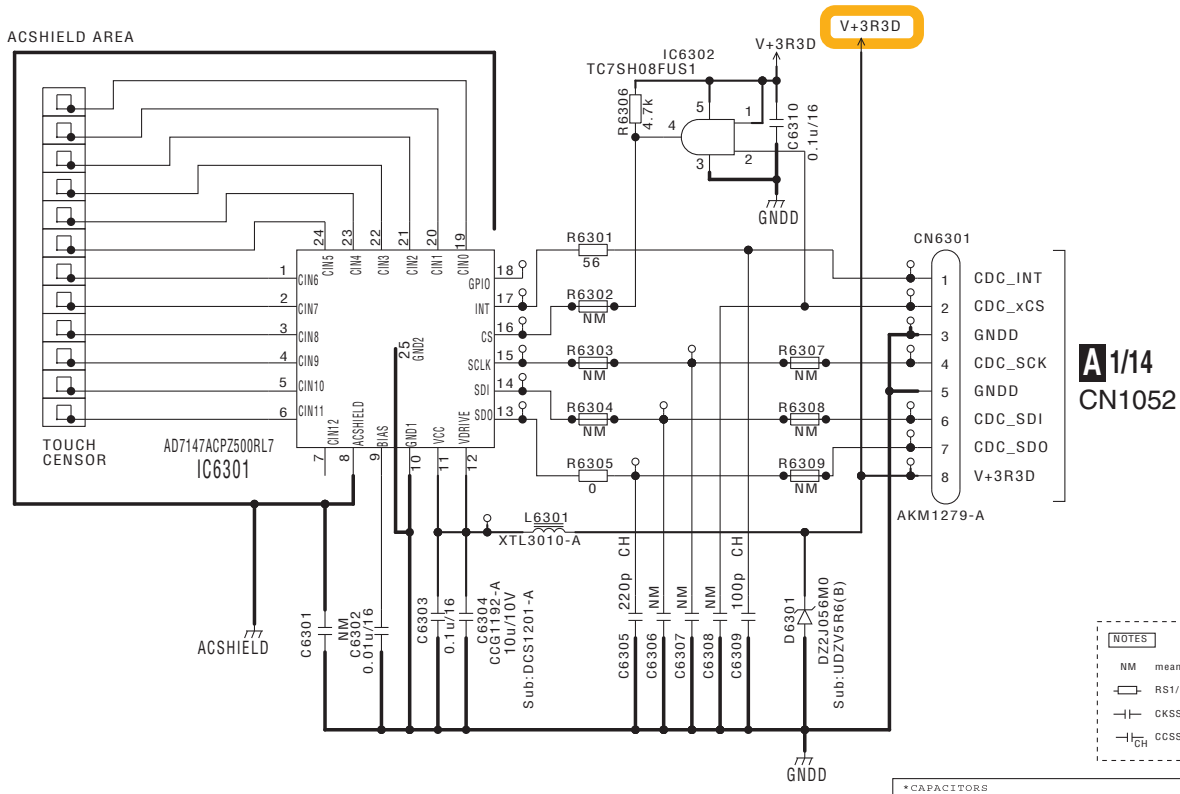


10.35 CDCL and CDCR ASSYS

AG CDCL ASSY (DWX3554)



AH CDCR ASSY (DWX3584)



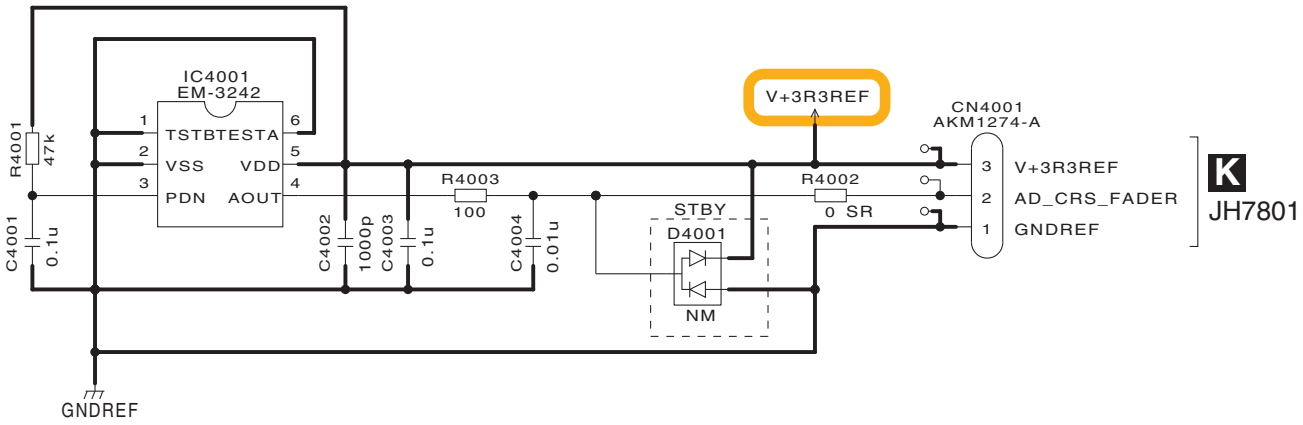
NOTES
NM means STANDBY
RS1/16SS***J
CKSSYB
CCSSCH

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

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

10.36 CRFD ASSY

AI CRFD ASSY (DWX3258)



Notes

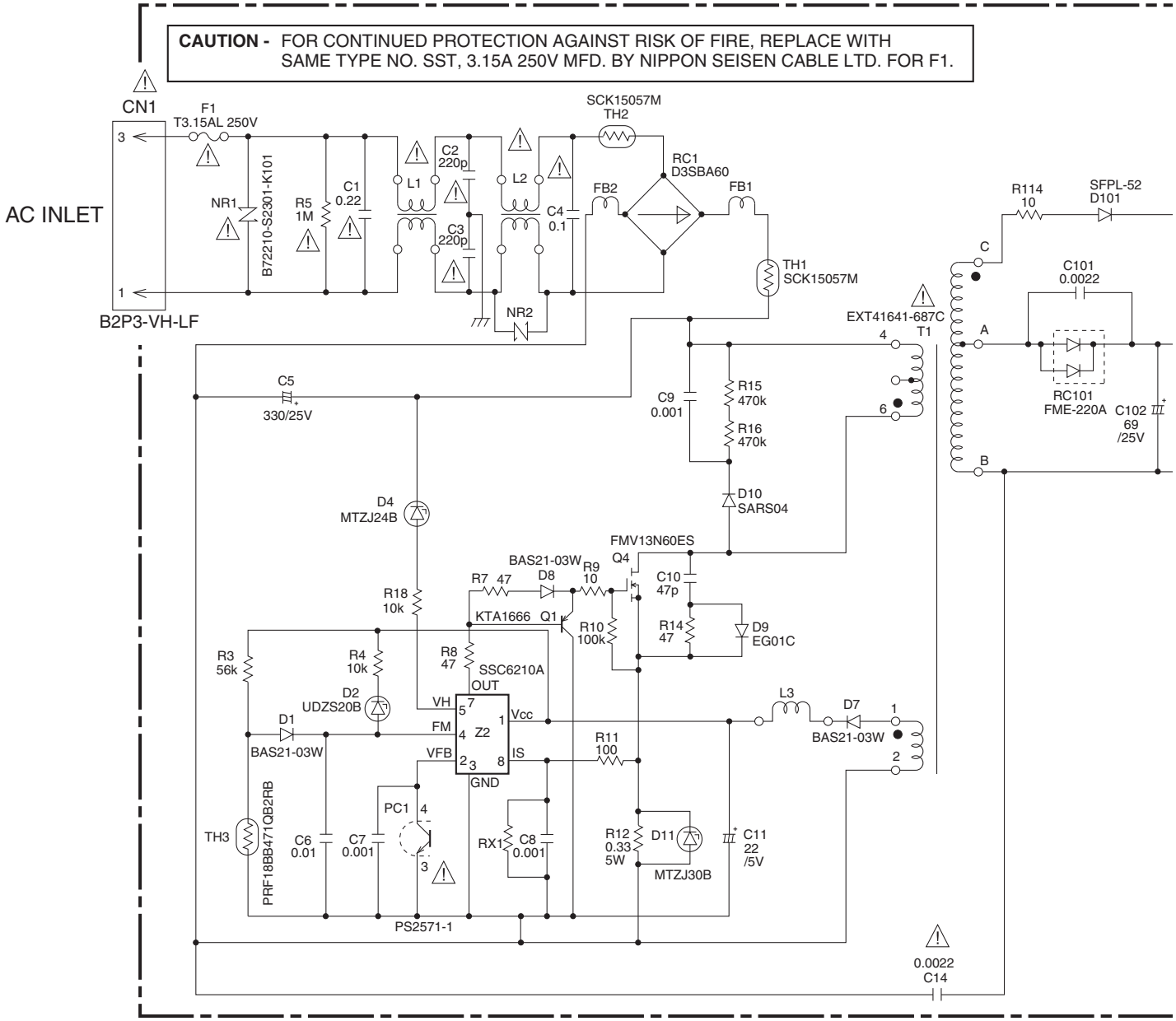
NM is STBY

SR RS1/16SS***J Ω

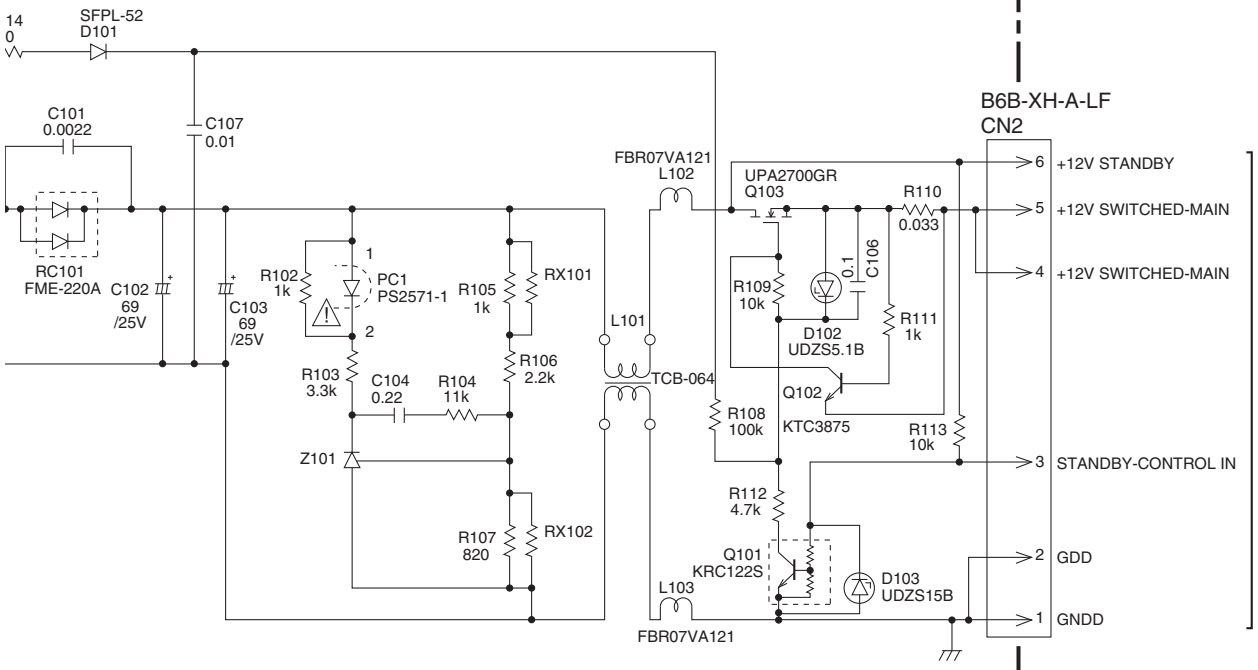
SR RS1/10SR***J Ω

CKSSYB***K F

10.37 POWER SUPPLY ASSY



⚠ AJ POWER SUPPLY ASSY (DWR1463)



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

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

⚠ 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.

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	⑱	USB communication is defective	ON

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

10.39 WAVEFORMS

Measurement Conditoion

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 kΩ	MASTER 2 is similar, too
OUT	BOOTH	CH3/LINE	0 dB	1 kHz	10 kΩ	————
OUT	HP	CH3/LINE	0 dB	1 kHz	32 Ω	MINI JACK is similar, too

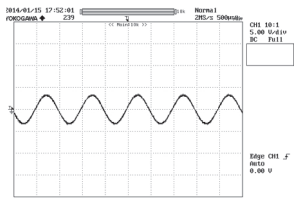
Each SW and VR settings

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

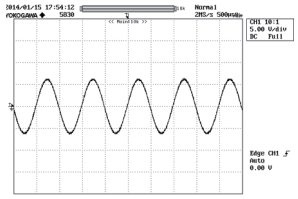
Note:
The indicated voltage values of the oscilloscope in this section are reference values and may vary, depending on the settings of the oscilloscopes and probes.
The numerics circled with a frame denote numbers for the measurement points indicated in the Schematic diagrams and PCB diagrams.

B AIJK ASSY

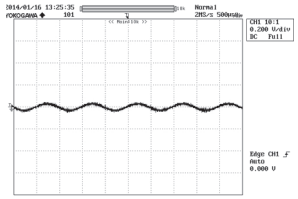
17 **JA101 - pin 1 (TP)(CH3_LINE)**
V: 5 V/div. H: 500 µS/div.



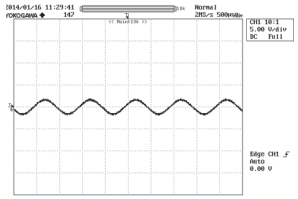
18 **JP101 - pin 9 (TP)(INPUT_CH3_L)**
V: 5 V/div. H: 500 µS/div.



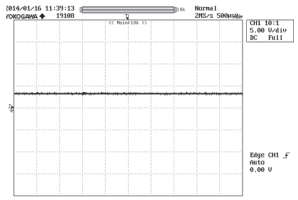
19 **JA101 - pin 4 (TP)(CH3_PHONO)**
V: 2 V/div. H: 500 µS/div.



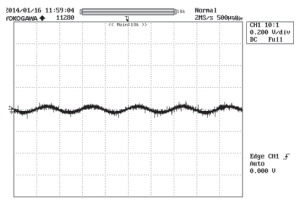
20 **IC102 - pin 7 (TP)**
V: 5 V/div. H: 500 µS/div.



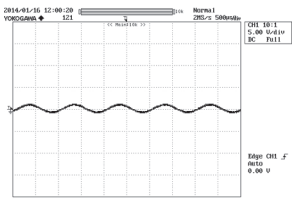
21 **JP101 - pin 11 (TP)(CH3_ASEL_OUT)**
(at LINE select)
V: 5 V/div. H: 500 µS/div.



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

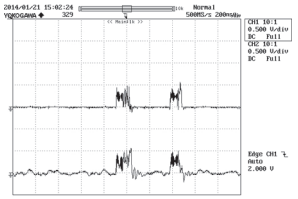


23 **IC501 - pin 1 (TP)**
V: 5 V/div. H: 500 µS/div.

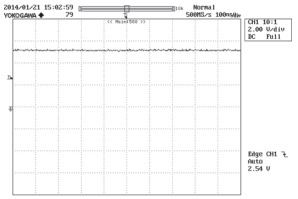


E USBB ASSY

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.

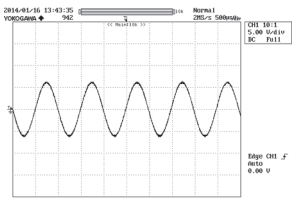


25 **JA3901 - pin 1 (VBUS_A)**
V: 2 V/div. H: 100 nS/div.



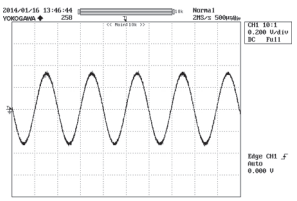
A MAIN ASSY

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

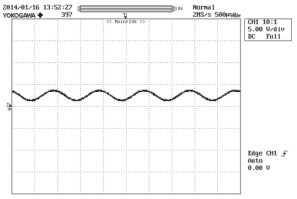


A MAIN ASSY

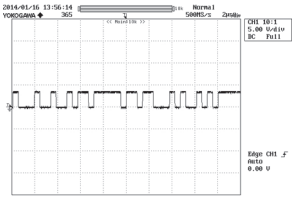
27 **CN1011 - pin 15 (TP)(MIC2)**
V: 0.2 V/div. H: 500 µS/div.



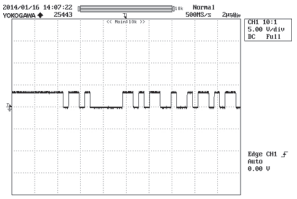
28 **IC1604 - pin 1 (TP)(CH3_ADC)**
V: 5 V/div. H: 500 µS/div.



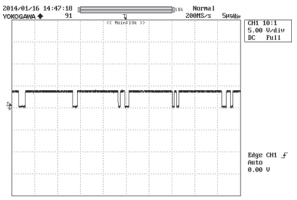
29 **IC1604 - pin 12 (TP)(ADAT_CH3_ANA)**
V: 5 V/div. H: 2 µS/div.



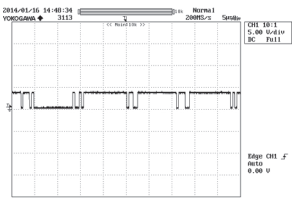
30 **IC2001 - pin 9 (TP)(ADAT_MIC_ANA)**
V: 5 V/div. H: 2 µS/div.



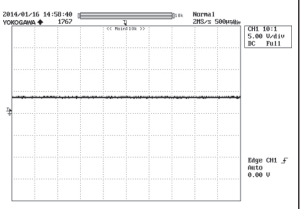
31 **IC3601 - pin 2 (TP)(ADAT_MASTER)**
V: 5 V/div. H: 5 µS/div.



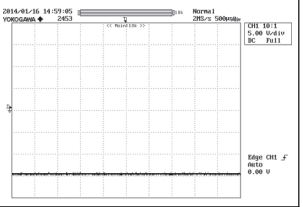
32 **IC3606 - pin 3 (TP)(ADAT_BOOTH)**
V: 5 V/div. H: 5 µS/div.



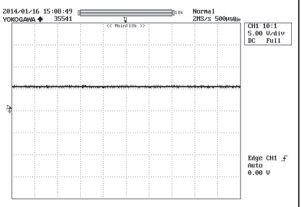
33 **R3621 (TP)(CPU_MUTE)**
V: 5 V/div. H: 500 µS/div.



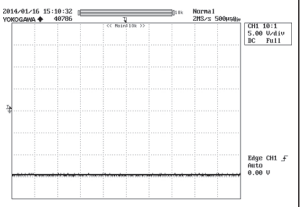
34 **Q3604 - collector (TP)(MUTE)**
V: 5 V/div. H: 500 µS/div.



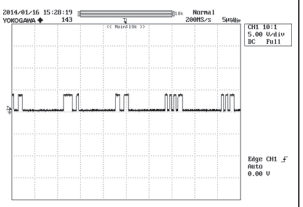
35 **Q3603 - base (TP)(MVR_MUTE)**
V: 5 V/div. H: 500 µS/div.



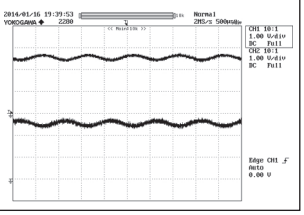
36 **Q3605 - collector (TP)(MASTER_MUTE)**
V: 5 V/div. H: 500 µS/div.



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

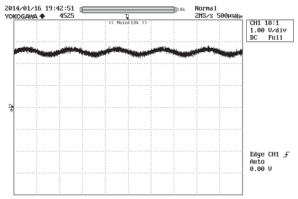


38 **CN1021 - pin 9 (TP)(Master_L+)**
V: 1 V/div. H: 500 µS/div.
CN1021 - pin 10 (TP)(Master_L-)
V: 1 V/div. H: 500 µS/div.

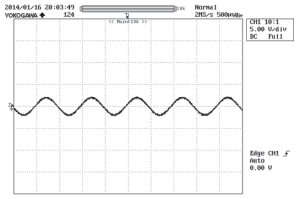


A MAIN ASSY

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

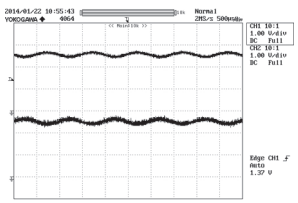


40 **CN1031 - pin 5 (TP)(HP_L)**
V: 5 V/div. H: 500 µS/div.

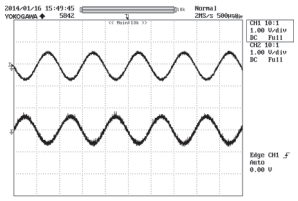


C AOJK ASSY

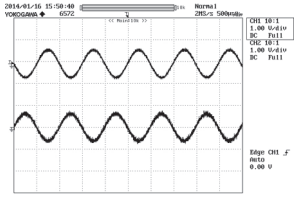
41 **JP701 - pin 9 (TP)(MASTER_L+)**
V: 1 V/div. H: 500 µS/div.
JP701 - pin 10 (TP)(MASTER_L-)
V: 1 V/div. H: 500 µS/div.



42 **IC701 - pin 1 (TP)(L+)**
V: 1 V/div. H: 500 µS/div.
IC701 - pin 7 (TP)(L-)
V: 1 V/div. H: 500 µS/div.

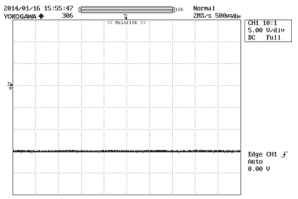


43 **JA701 - pin 2 (TP)(L+)**
V: 1 V/div. H: 500 µS/div.
JA701 - pin 3 (TP)(L-)
V: 1 V/div. H: 500 µS/div.

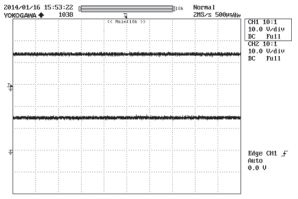


C AOJK ASSY

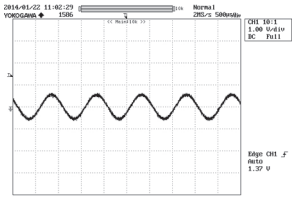
44 **JP701 - pin 2 (TP)(MASTER_MUTE)**
V: 5 V/div. H: 500 µS/div.



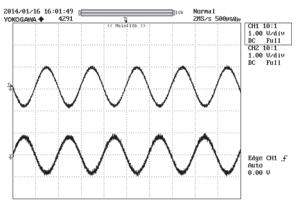
45 **JP701 - pin 3 (TP)(ATT_SEL_3dB)**
V: 10 V/div. H: 500 µS/div.
JP701 - pin 4 (TP)(ATT_SEL_6dB)
V: 10 V/div. H: 500 µS/div.



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

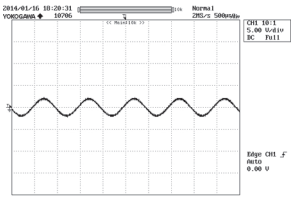


47 **JA901 - pin 3 (TP)(BOOTH_L+)**
V: 1 V/div. H: 500 µS/div.
JA901 - pin 2 (TP)(BOOTH_L-)
V: 1 V/div. H: 500 µS/div.

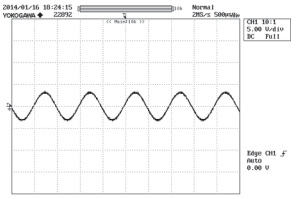


D HPJK ASSY

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

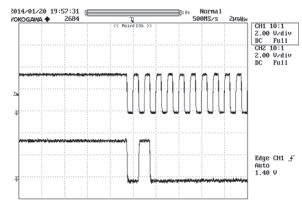


49 **R3913 (TP)(HP_LOUT)**
V: 5 V/div. H: 500 µS/div.

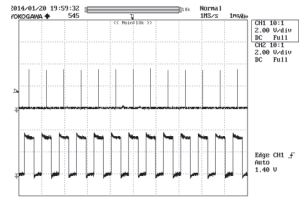


A MAIN ASSY

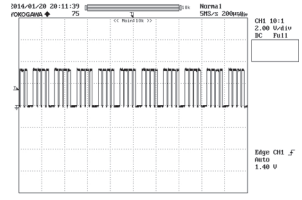
50 **CN1601 - pin 5 (TP)(FL_SCK_L)**
V: 2 V/div. H: 2 µS/div.
CN1601 - pin 8 (TP)(FL_SI_L)
V: 2 V/div. H: 2 µS/div.



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.

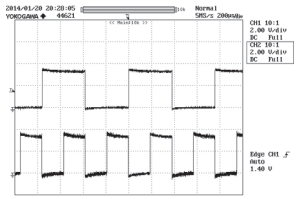


52 **CN1131 - pin 7 (TP)(FL_LAT_L)**
V: 2 V/div. H: 200 µS/div.
(at All LED lit)

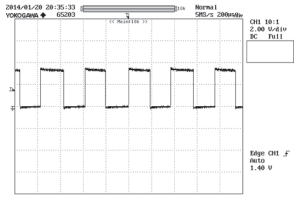


A MAIN ASSY

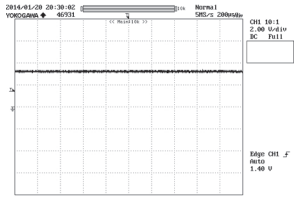
53 **CN1131 - pin 13 (TP)(SH1_SEL1)**
V: 2 V/div. H: 200 µS/div.
CN1131 - pin 15 (TP)(SH1_SEL0)
V: 2 V/div. H: 200 µS/div.



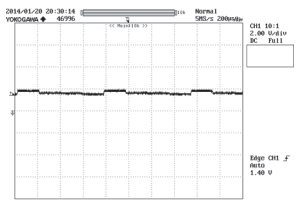
54 **CN1131 - pin 17 (TP)(SH2_SEL)**
V: 2 V/div. H: 200 µS/div.



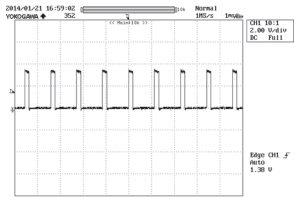
55 **CN1131 - pin 22 (TP)(SH1_AD5)**
V: 2 V/div. H: 200 µS/div.



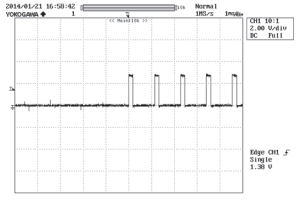
56 **CN1131 - pin 23 (TP)(SH1_AD4 (CRFD))**
V: 2 V/div. H: 200 µS/div.



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

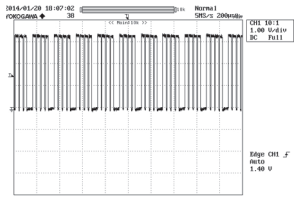


58 **CN1102 - pin 17 (TP)(SH2_K0)**
V: 2 V/div. H: 1 mS/div.
(at HOT CUE button push)

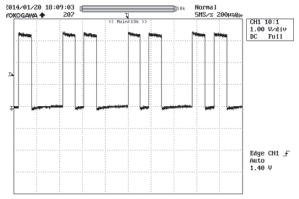


A MAIN ASSY

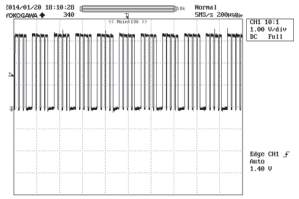
59 CN1101 - pin 5 (TP)(SH2_L0)
V: 1 V/div. H: 200 µS/div.
(at all LED lit)



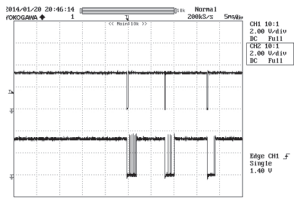
60 CN1101 - pin 15 (TP)(SH2_L16)
V: 1 V/div. H: 200 µS/div.
(at all LED lit)



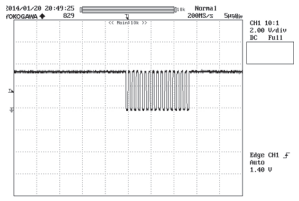
61 CN1111 - pin 5 (TP)(SH1_L0)
V: 1 V/div. H: 200 µS/div.
(at all LED lit)



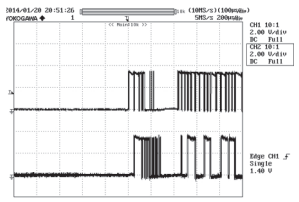
62 CN1051 - pin 1 (TP)(CDC_INT_L)
V: 2 V/div. H: 5 mS/div.
CN1051 - pin 2 (TP)(CDC_xCS_L)
V: 2 V/div. H: 5 mS/div.



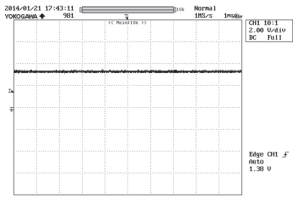
63 CN1051 - pin 4 (TP)(CDC_SCK_L)
V: 2 V/div. H: 5 µS/div.



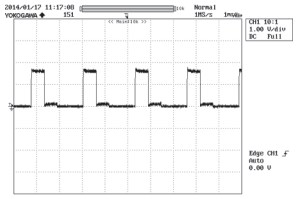
64 CN1051 - pin 6 (TP)(CDC_SDI_L)
V: 2 V/div. H: 200 µS/div.
CN1051 - pin 7 (TP)(CDC_SDO_L)
V: 2 V/div. H: 200 µS/div.



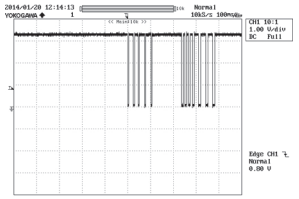
65 Q1002 - base (CDC_L_Pcon)
V: 2 V/div. H: 1 mS/div.



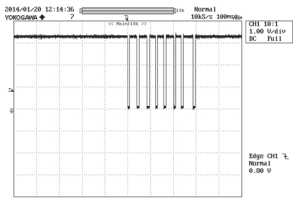
66 CN1141 - pin 1 (TP)(M16_AD0)
V: 1 V/div. H: 1 mS/div.



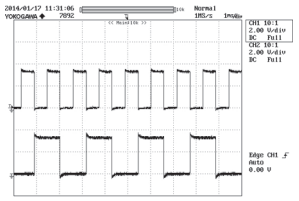
67 CN1141 - pin 5 (TP)(BROW1_L)
V: 1 V/div. H: 100 mS/div.
(at rotate)



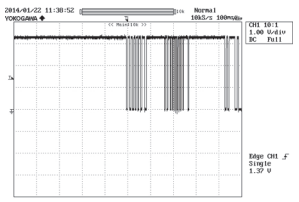
68 CN1141 - pin 8 (TP)(BROW0_L)
V: 1 V/div. H: 100 mS/div.
(at rotate)



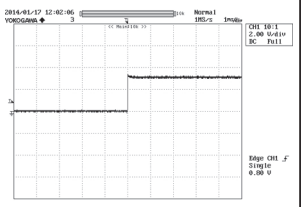
69 CN1141 - pin 6 (TP)(M16_SEL0)
V: 2 V/div. H: 1 mS/div.
CN1141 - pin 8 (TP)(M16_SEL1)
V: 2 V/div. H: 1 mS/div.



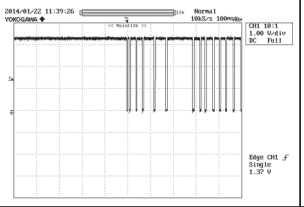
70 CN1141 - pin 9 (TP)(BEAT1_L)
V: 1 V/div. H: 100 mS/div.
(at rotate)



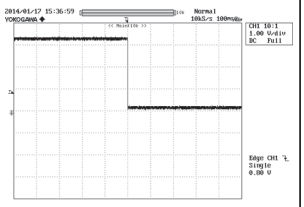
71 CN1141 - pin 10 (TP)(STBY_LED)
V: 2 V/div. H: 1 mS/div.
(at Power start-up)



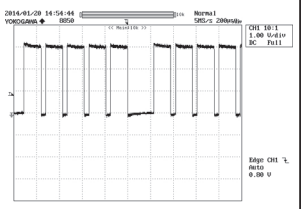
72 CN1141 - pin 11 (TP)(BEAT0_L)
V: 1 V/div. H: 100 mS/div.
(at rotate)



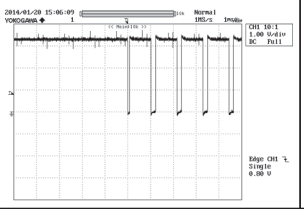
73 CN1141 - pin 14 (TP)(CENSOR_L)
V: 1 V/div. H: 100 mS/div.
(at button push)



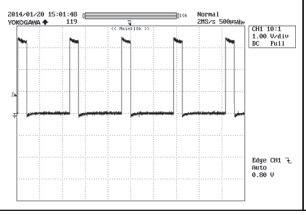
74 CN1141 - pin 17 (TP)(M16_L0)
V: 1 V/div. H: 200 µS/div.
(at all LED lit mode)



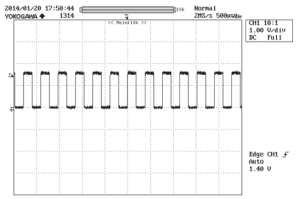
75 CN1141 - pin 24 (TP)(M16_K0)
V: 1 V/div. H: 1 mS/div.
(at ADJUST button push)



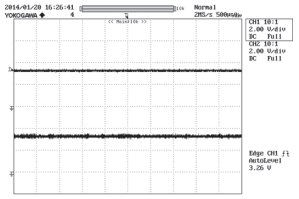
76 CN1141 - pin 30 (TP)(M16_G0)
V: 1 V/div. H: 500 µS/div.



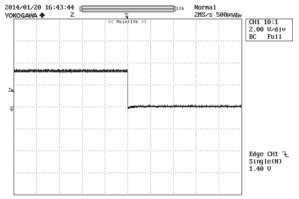
77 CN1112 - pin 6 (TP)(SH1_AD0)
V: 1 V/div. H: 500 µS/div.
(at left under positions PAD push)



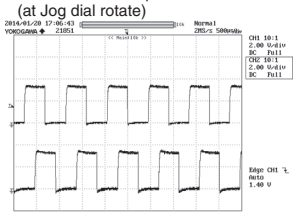
78 CN1112 - pin 8 (TP)(SH2_JLW)
V: 2 V/div. H: 500 µS/div.
CN1112 - pin 9 (TP)(SH1_JLB)
V: 2 V/div. H: 500 µS/div.



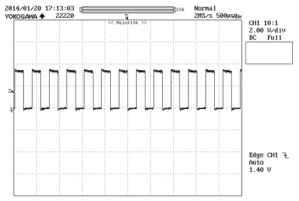
79 CN1112 - pin 10 (TP)(SH1_JLT)
V: 2 V/div. H: 500 µS/div.
(at JOG touch)



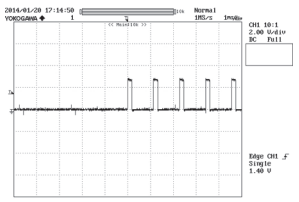
80 CN1112 - pin 11 (TP)(SH1_JLR0)
V: 2 V/div. H: 500 µS/div.
CN1112 - pin 12 (TP)(SH1_JLR1)
V: 2 V/div. H: 500 µS/div.
(at Jog dial rotate)



81 CN1112 - pin 15 (TP)(SH1_SEL)
V: 2 V/div. H: 500 µS/div.

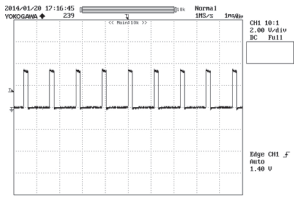


82 CN1112 - pin 17 (TP)(SH1_K0)
V: 2 V/div. H: 1 mS/div.
(at HOT CUE button push)

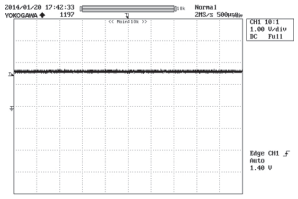


A MAIN ASSY

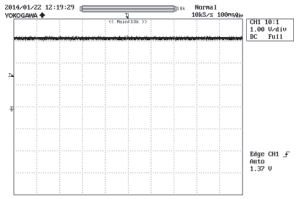
83 **CN1112 - pin 23 (TP)(SH1_G0)**
V: 2 V/div. H: 1 mS/div.



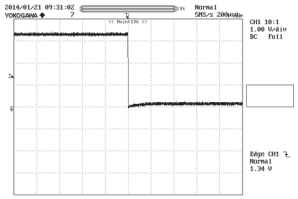
84 **CN1122 - pin 11 (TP)(M16_CFXT)**
V: 1 V/div. H: 500 µS/div.



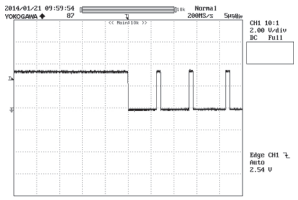
85 **R1332 (TP)(V+FL_CONT)**
V: 1 V/div. H: 100 mS/div.



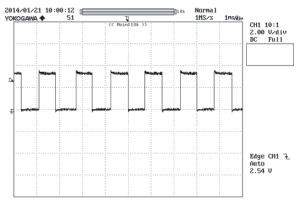
86 **R6101 (TP)(PWR_XSW)**
V: 1 V/div. H: 200 µS/div.
(at Power on)



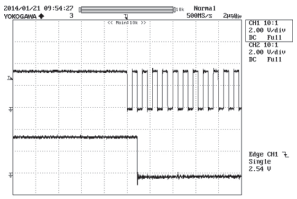
87 **IC6001 - pin 31 (SH1_M16_RXD)**
V: 2 V/div. H: 5 µS/div.



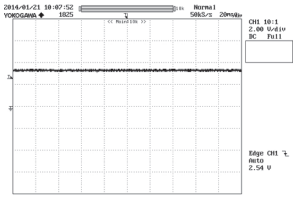
88 **IC6001 - pin 34 (SH1_M16_INT)**
V: 2 V/div. H: 1 mS/div.



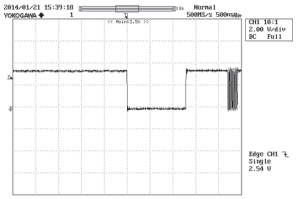
89 **IC6001 - pin 33 (SH1_M16_SCK)**
V: 2 V/div. H: 2 µS/div.
IC6001 - pin 32 (SH1_M16_TXD)
V: 2 V/div. H: 2 µS/div.



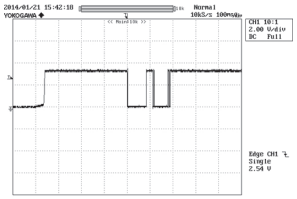
90 **IC6003 - pin 1 (TP)(M16_xRST)**
V: 2 V/div. H: 20 mS/div.



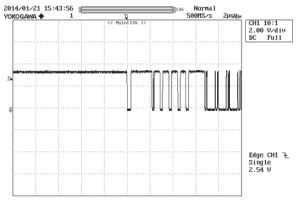
91 **IC2201 - pin 129 (SH1_FLASH1_SCLK)**
V: 2 V/div. H: 500 nS/div.
(at start-up)



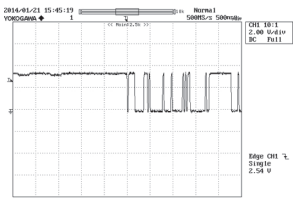
92 **IC2201 - pin 127 (SH1_FLASH1_xCS)**
V: 2 V/div. H: 100 mS/div.
(at start-up)



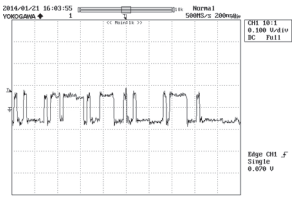
93 **IC2201 - pin 125 (SH1_FLASH1_MOSI)**
V: 2 V/div. H: 2 µS/div.
(at start-up)



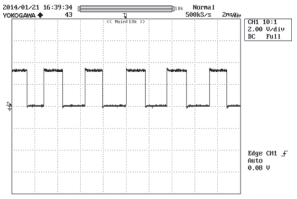
94 **IC2201 - pin 124 (SH1_FLASH1_MOSO)**
V: 2 V/div. H: 500 nS/div.
(at start-up)



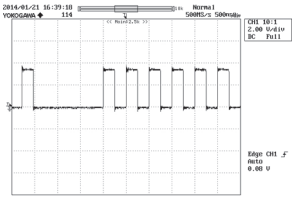
95 **IC2201 - pin 123 (SH1_FLASH1_WP)**
V: 0.1 V/div. H: 200 nS/div.
(at start-up)



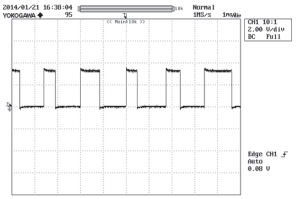
96 **IC2201 - pin 104 (SH1_SH2_INT)**
V: 2 V/div. H: 2 mS/div.



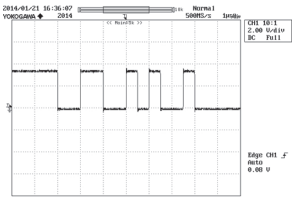
97 **IC2201 - pin 103 (SH1_SH2_SCK)**
V: 2 V/div. H: 500 nS/div.



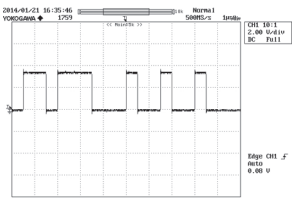
98 **IC2201 - pin 103 (SH1_SH2_xCS)**
V: 2 V/div. H: 1 mS/div.



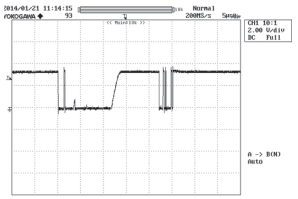
99 **IC2201 - pin 99 (SH1_SH2_MOSI)**
V: 2 V/div. H: 1 µS/div.



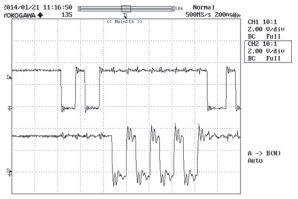
100 **IC2201 - pin 97 (SH1_SH2_MOSO)**
V: 2 V/div. H: 1 µS/div.



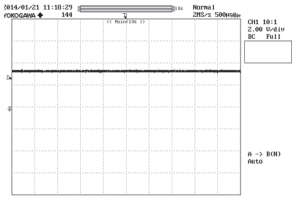
101 **IC2201 - pin 160 (HPI_DATA0)**
V: 2 V/div. H: 5 µS/div.



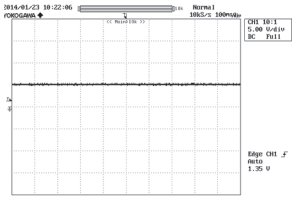
102 **IC2201 - pin 163 (HPI_xHDS1)**
V: 2 V/div. H: 200 nS/div.
IC2201 - pin 167 (HPI_xHDS2)
V: 2 V/div. H: 200 nS/div.



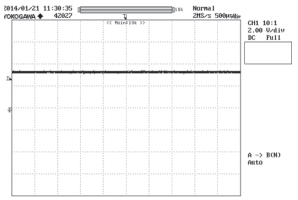
103 **R2291 (TP)(SH1_xRESET)**
V: 2 V/div. H: 500 µS/div.



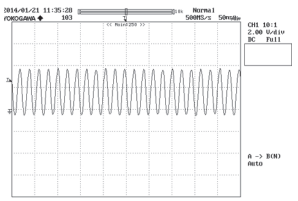
104 **IC2201 - pin 70 (VBUS_A_SH1)**
V: 5 V/div. H: 100 mS/div.



105 **R2677 (TP)(SH2_xRESET)**
V: 2 V/div. H: 500 µS/div.

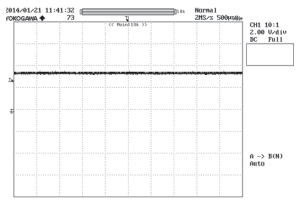


106 **IC3004 - pin 4 (TP) (48M_SH1)**
V: 2 V/div. H: 50 nS/div.

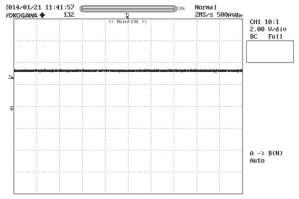


A MAIN ASSY

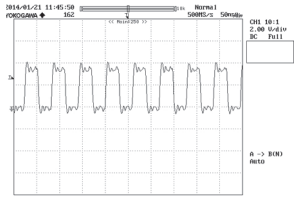
107 IC3405 - pin 4 (TP)(V+CLK)
V: 2 V/div. H: 500 µS/div.



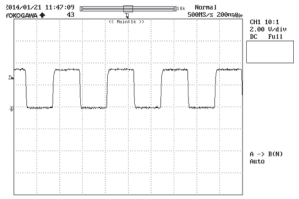
108 IC3201 - pin G3 (TP)(DSP_xRESET)
V: 2 V/div. H: 500 µS/div.



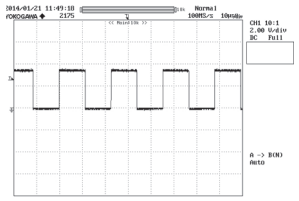
109 X3401 - pin 3 (TP)(MCK)
V: 2 V/div. H: 500 nS/div.



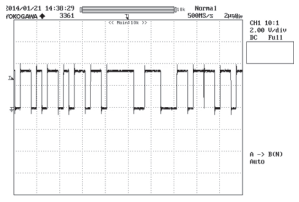
110 R3404 (TP)(BCK_I2S_3)
V: 2 V/div. H: 200 nS/div.



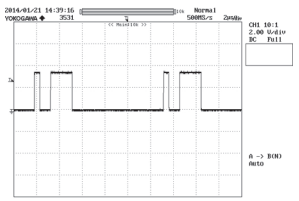
111 R3406 (TP)(LRCK_I2S_3)
V: 2 V/div. H: 10 µS/div.



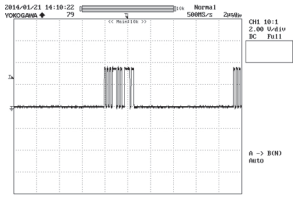
112 IC3201 - pin C8 (TP)(IIS1_IN)
V: 2 V/div. H: 2 µS/div.



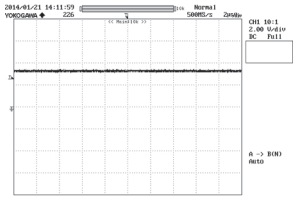
113 IC3201 - pin D8 (TP)(IIS1_OUT)
V: 2 V/div. H: 2 µS/div.



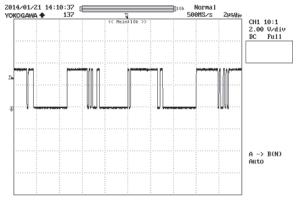
114 IC3201 - pin T3 (TP)(TDM1_IN)
V: 2 V/div. H: 2 µS/div.



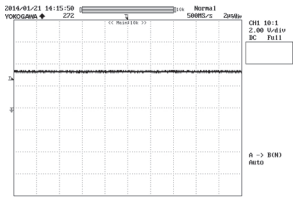
115 IC3409 - pin 4 (TP)(ADDA_xRESET)
V: 2 V/div. H: 2 µS/div.



116 IC3201 - pin T4 (TP)(TDM1_OUT)
V: 2 V/div. H: 2 µS/div.

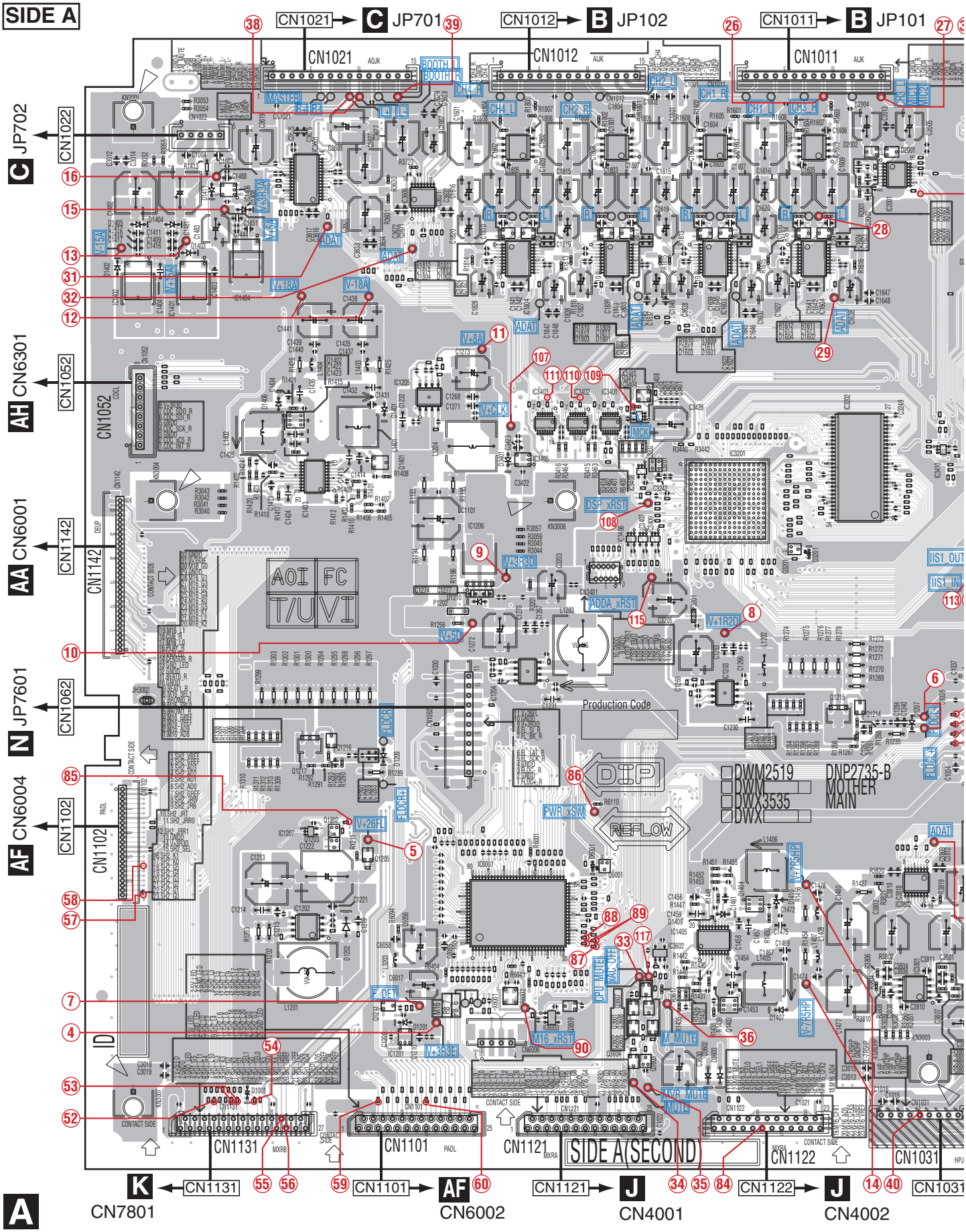


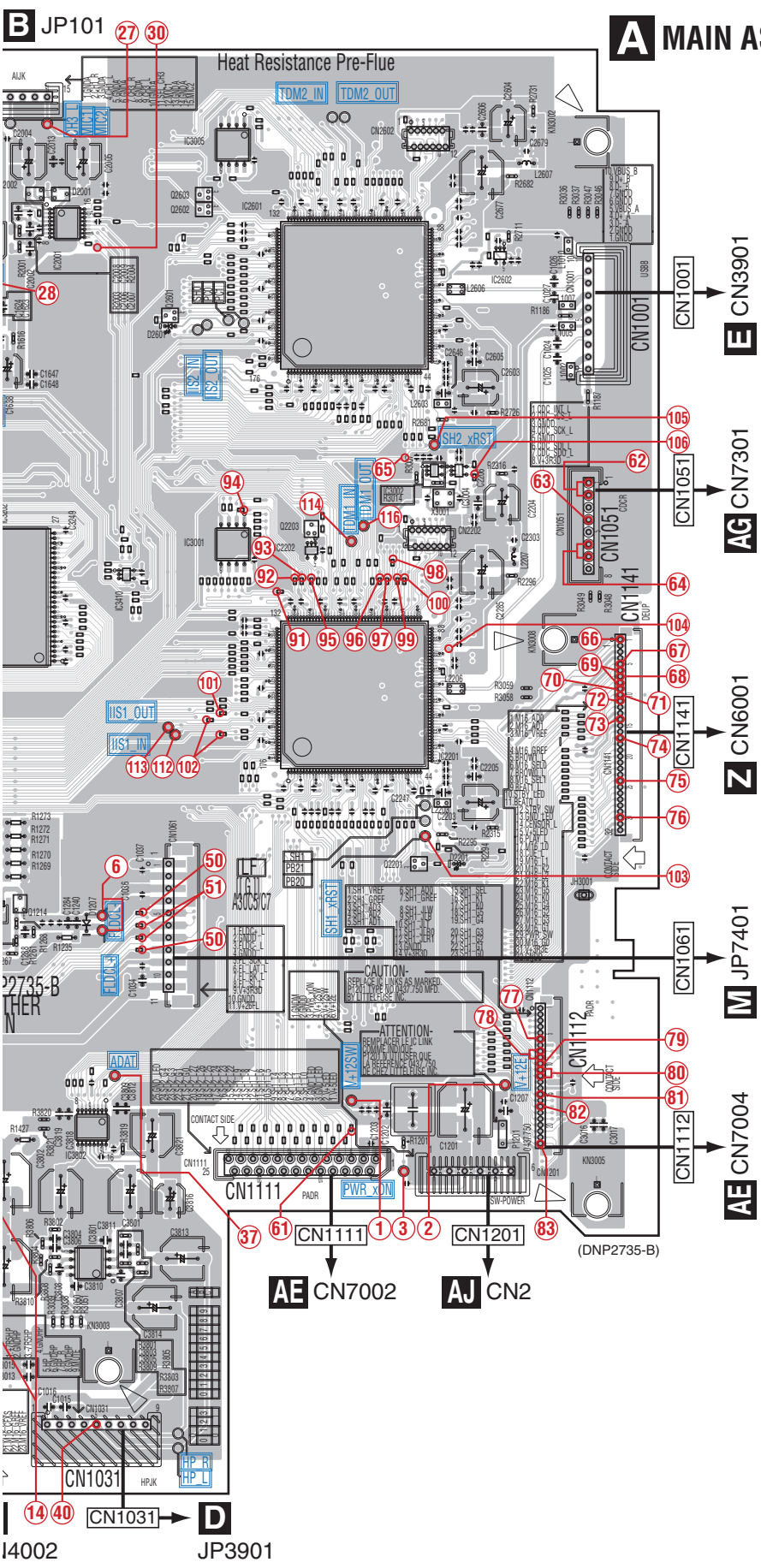
117 IC3602 - pin 1 (TP)(xAC_OFF)
V: 2 V/div. H: 2 µS/div.



11. PCB CONNECTION DIAGRAM

11.1 MAIN ASSY





SIDE A

The blue character is silk for services.

IC3005

IC1802 IC1801 IC1601 IC1602
Q2603
Q2602
IC3601 IC2001
IC1406
IC3606 IC2602

IC2601

Q2601
IC1804 IC1803 IC1603 IC1604
IC1401-IC1404

IC3004
IC3002
IC1205

Q2203
IC3401-IC3404 IC3001
IC2202
IC3405 IC3410
Q1401 IC3202
IC1403

IC3201

IC2201
IC1206 Q3201

IC1204 Q2201
IC1203
Q1215
Q1214
Q1217
Q1216

IC1207
Q1202
Q1203
Q1205

IC3802
Q1404
IC6001
IC1202

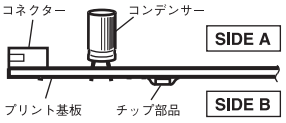
IC1405
IC3602

IC3801
Q3607
Q1211 Q1403
Q3809 Q3608
IC6003
IC1201
Q3601-Q3605

PCB 図に対する注意

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

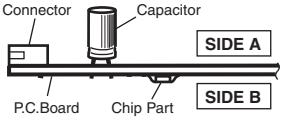
2. PCB 図の見かた。



NOTE FOR PCB DIAGRAMS :

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

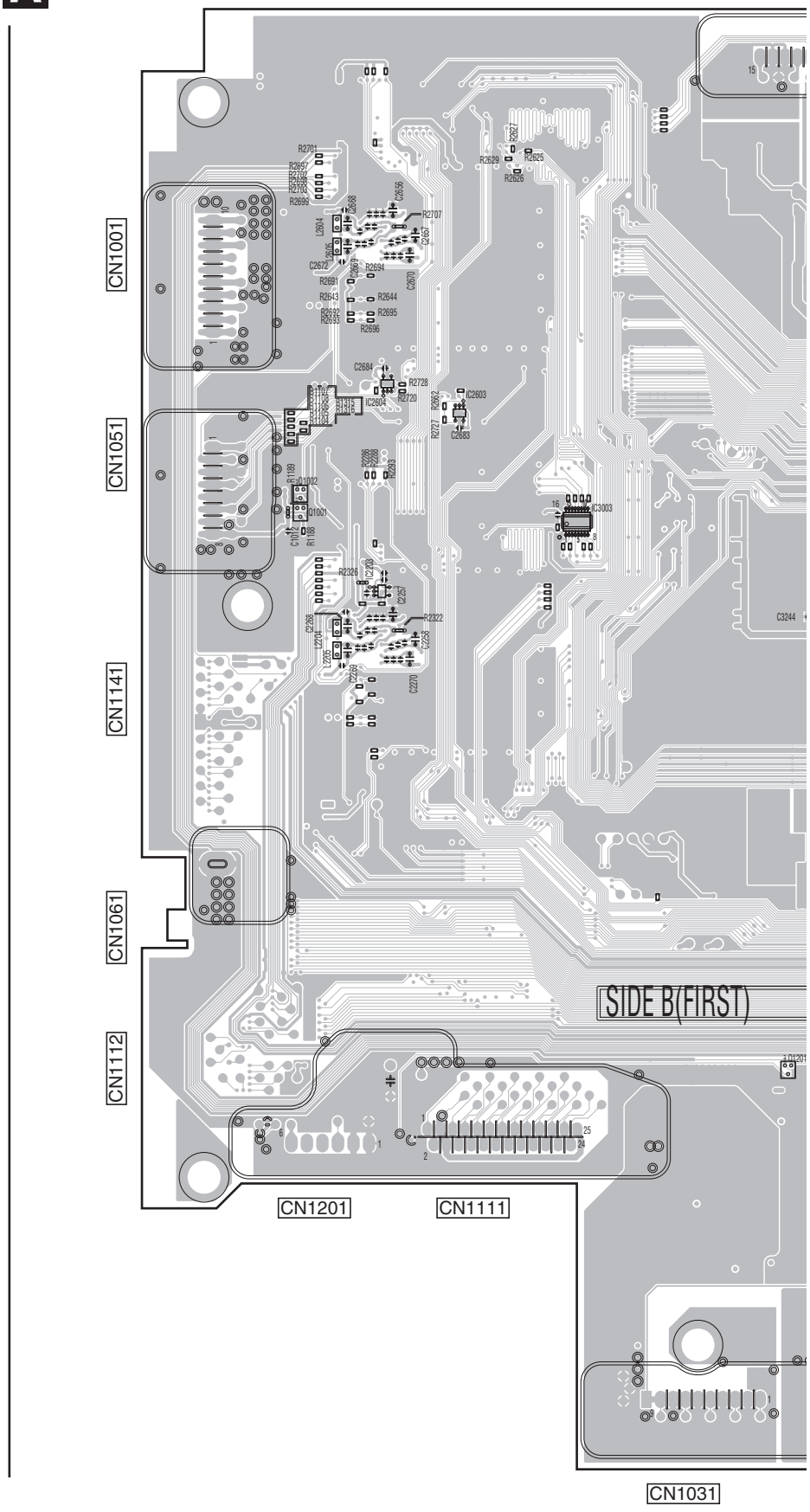
2. View point of PCB diagrams.



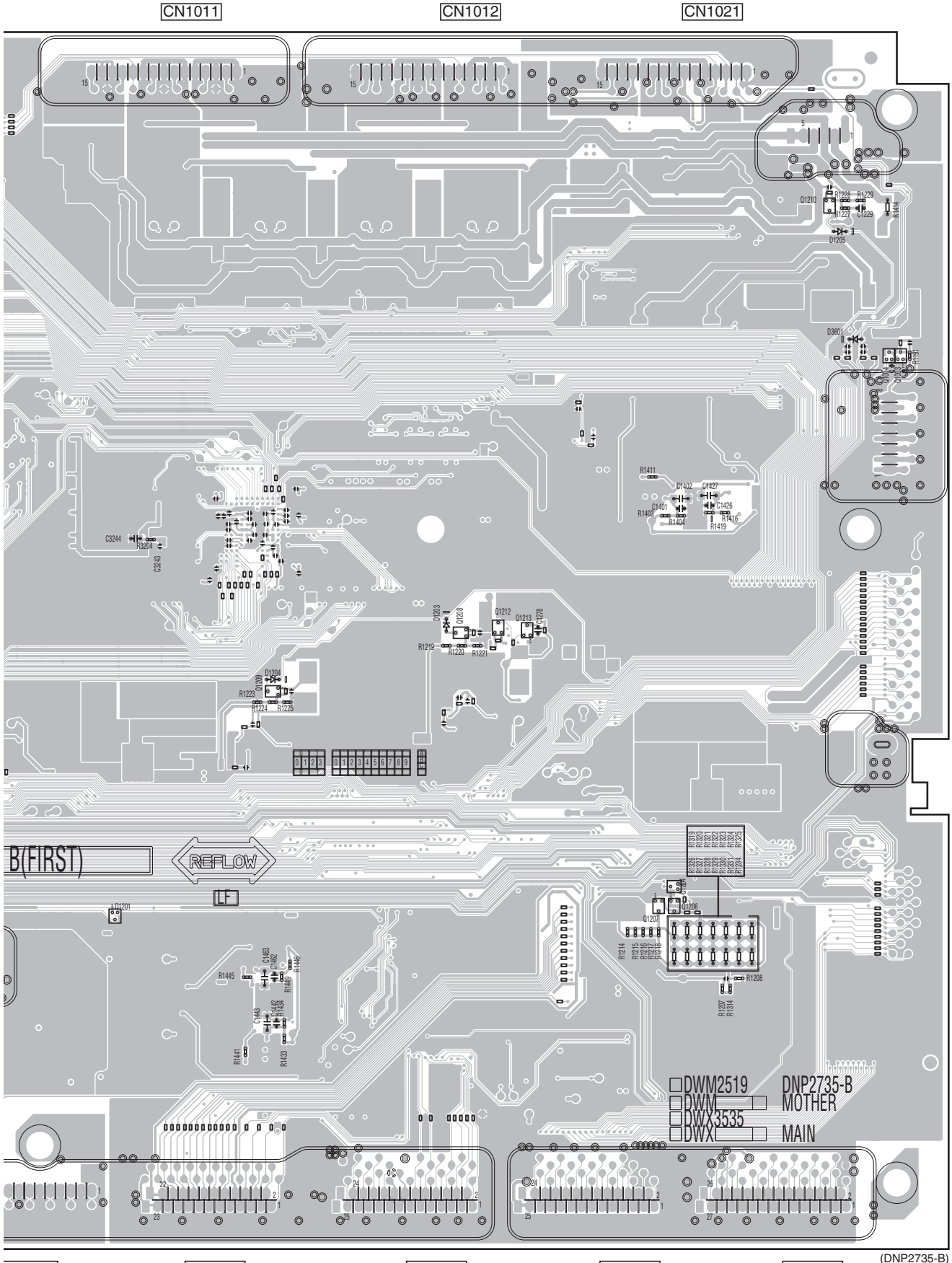
A

SIDE B

A MAIN ASSY

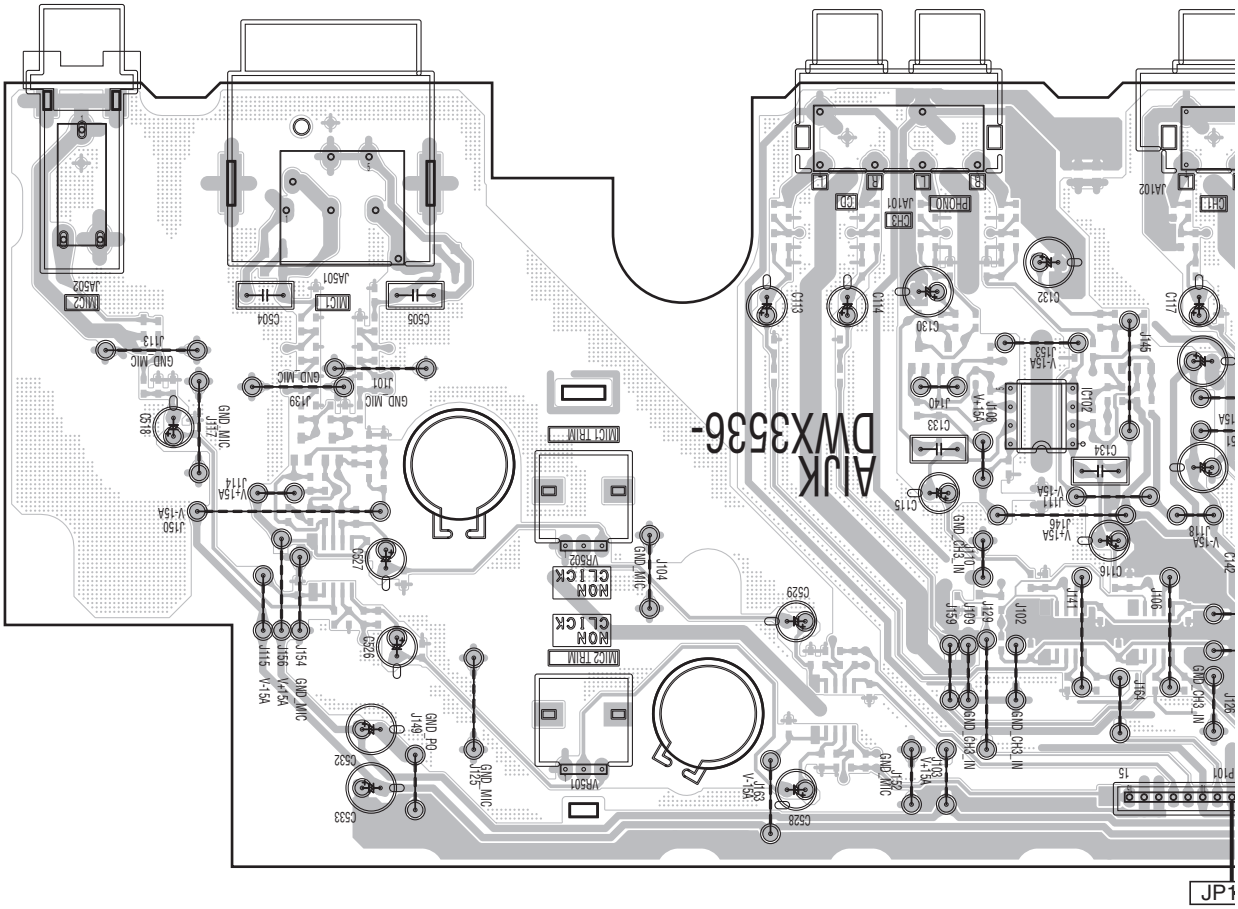


SIDE B


CN1011
CN1012
CN1021
CN1022
CN1052
CN1142
CN1062
CN1102
CN1031
CN1122
CN1121
CN1101
CN1131
B(FIRST)
REFLOW
LF
DWM2519 DNP2735-B
DWM MOTHER
DWX3535
DWX MAIN
(DNP2735-B)

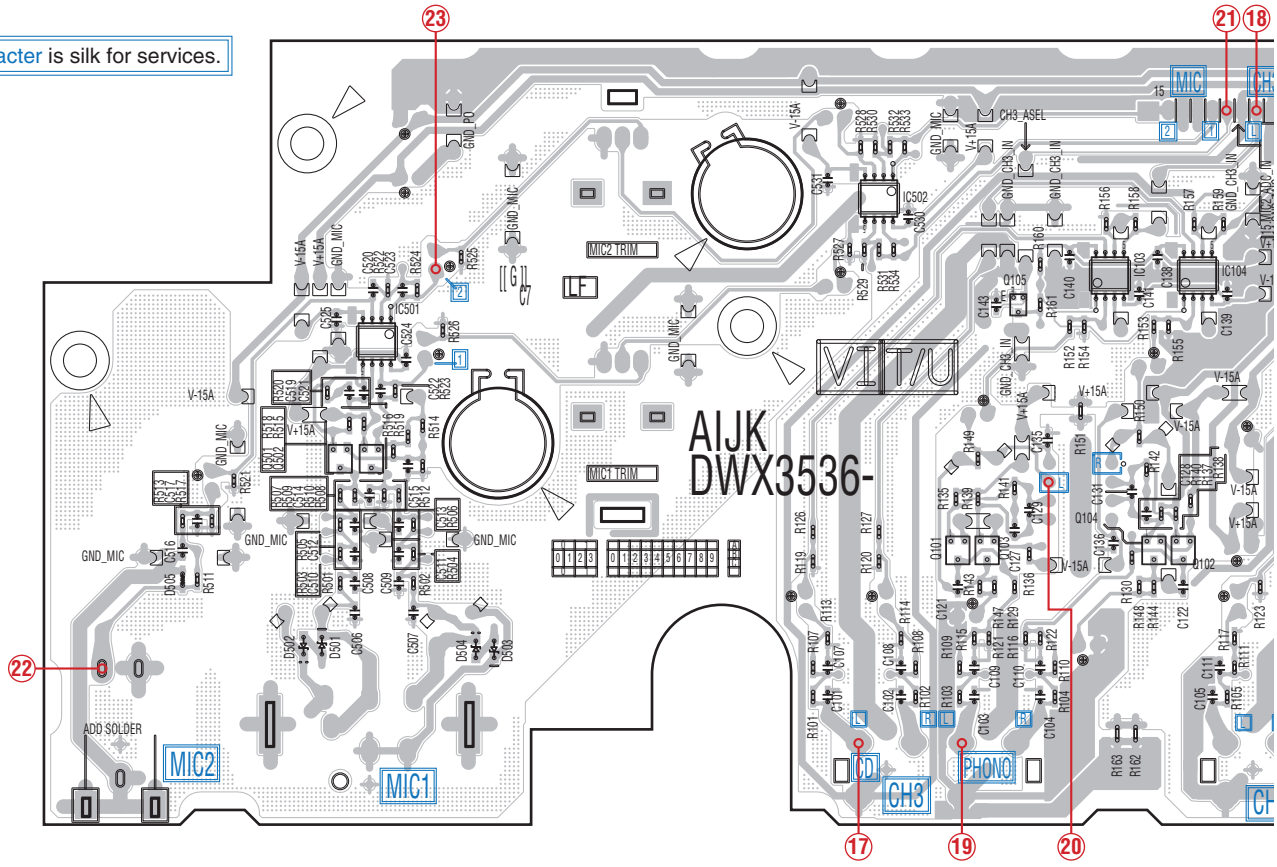
11.2 AIJK ASSY

SIDE A



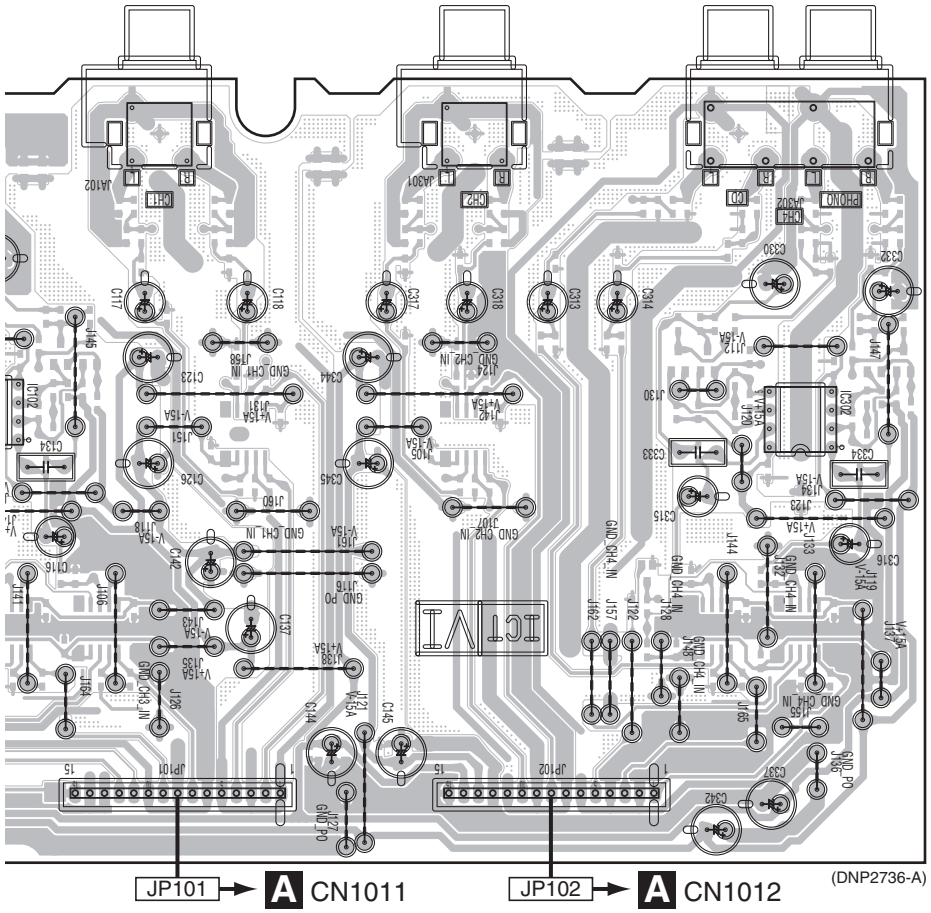
SIDE B

The blue character is silk for services.



B AIJK ASSY

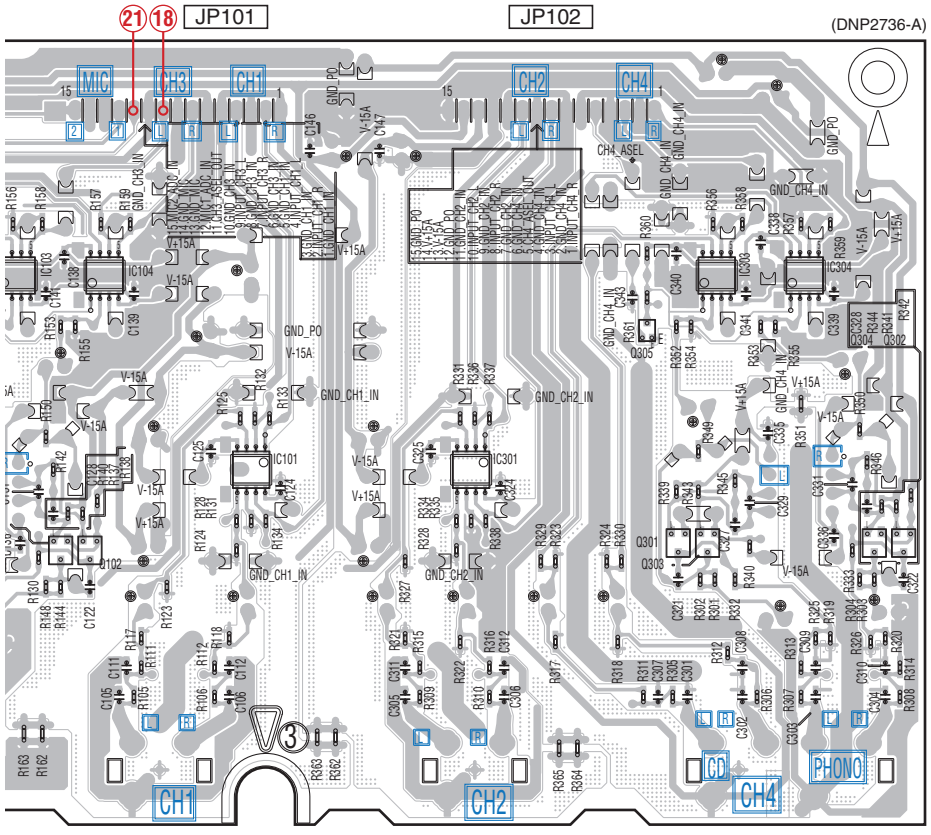
SIDE A



IC102 IC302

B AIJK ASSY

SIDE B



IC502

IC103 IC104 IC303 IC304

IC501 Q305

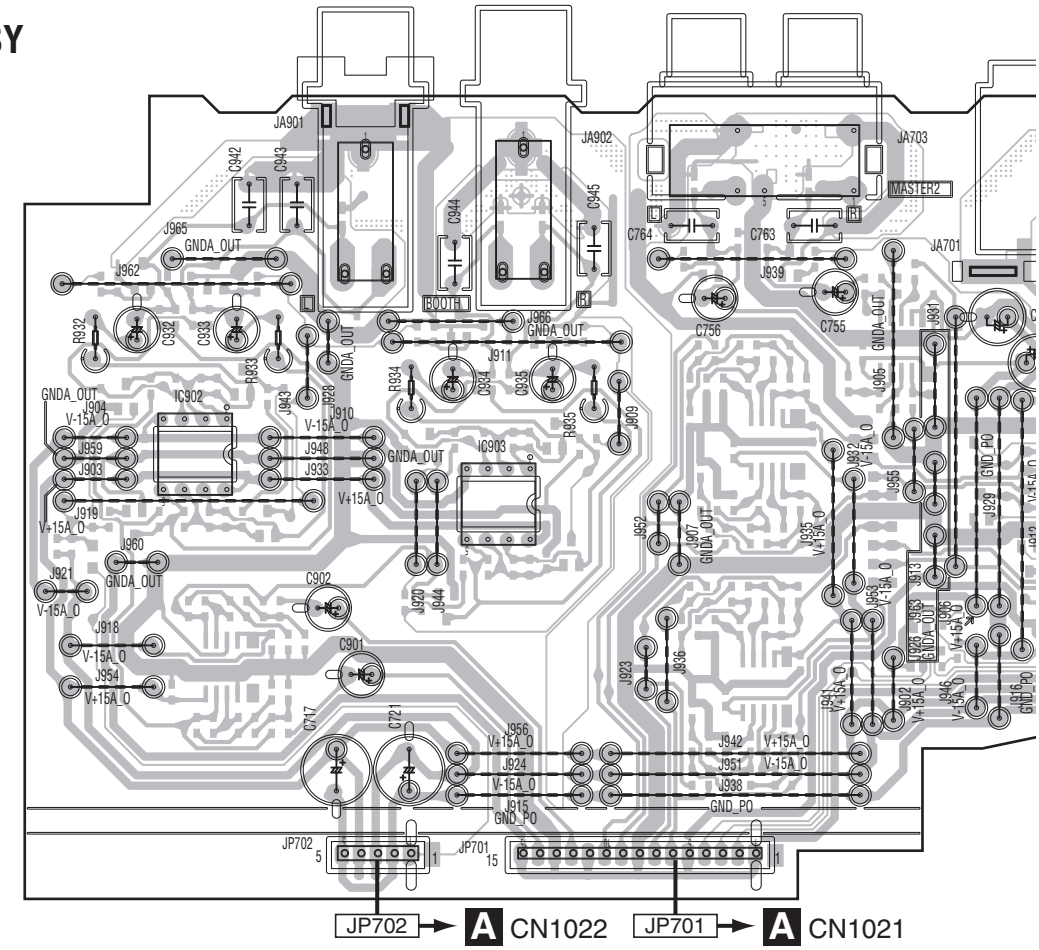
Q501 Q502 IC101 IC301

Q101 Q103 Q104 Q102 Q301 Q303

11.3 AOJK ASSY

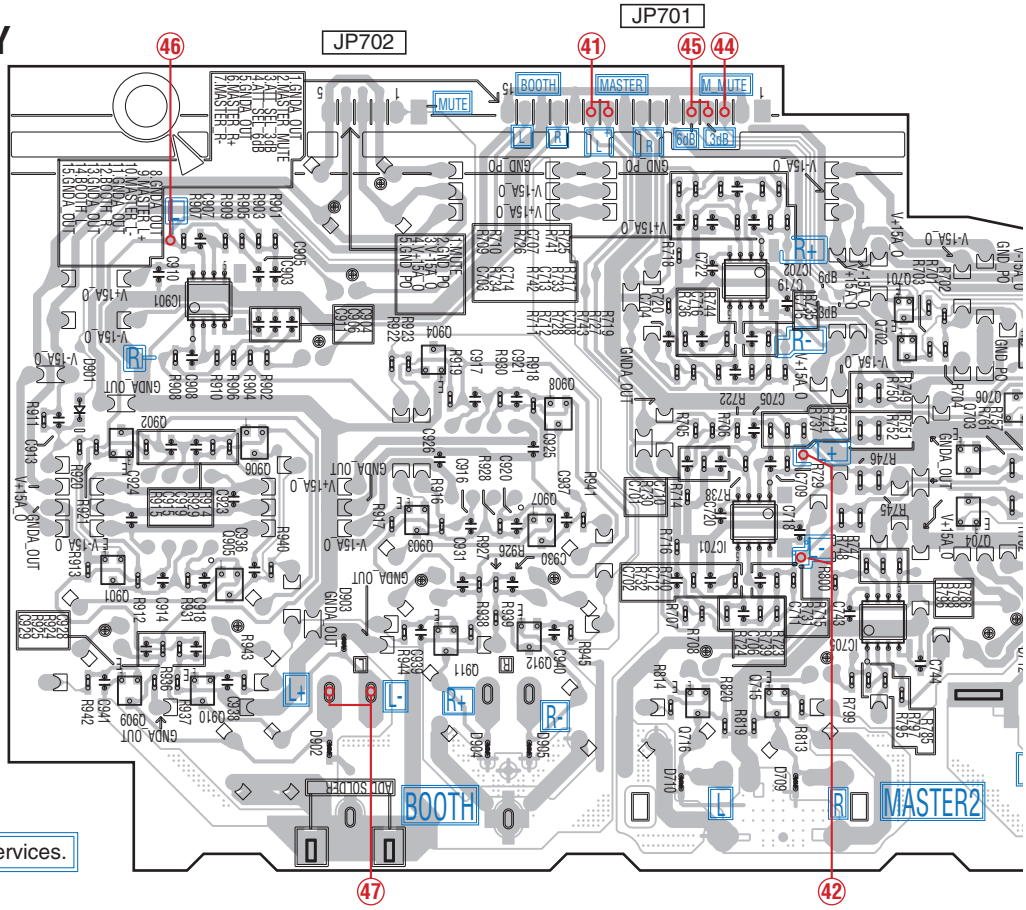
SIDE A

C AOJK ASSY



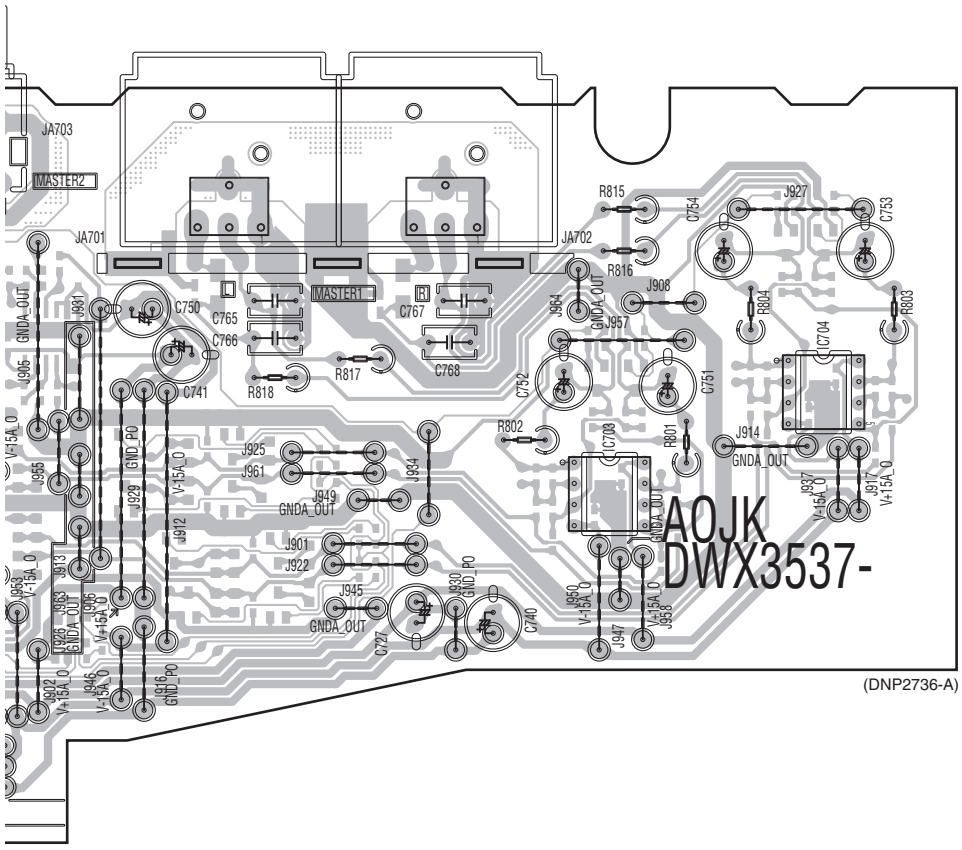
SIDE B

C AOJK ASSY



The blue character is silk for services.

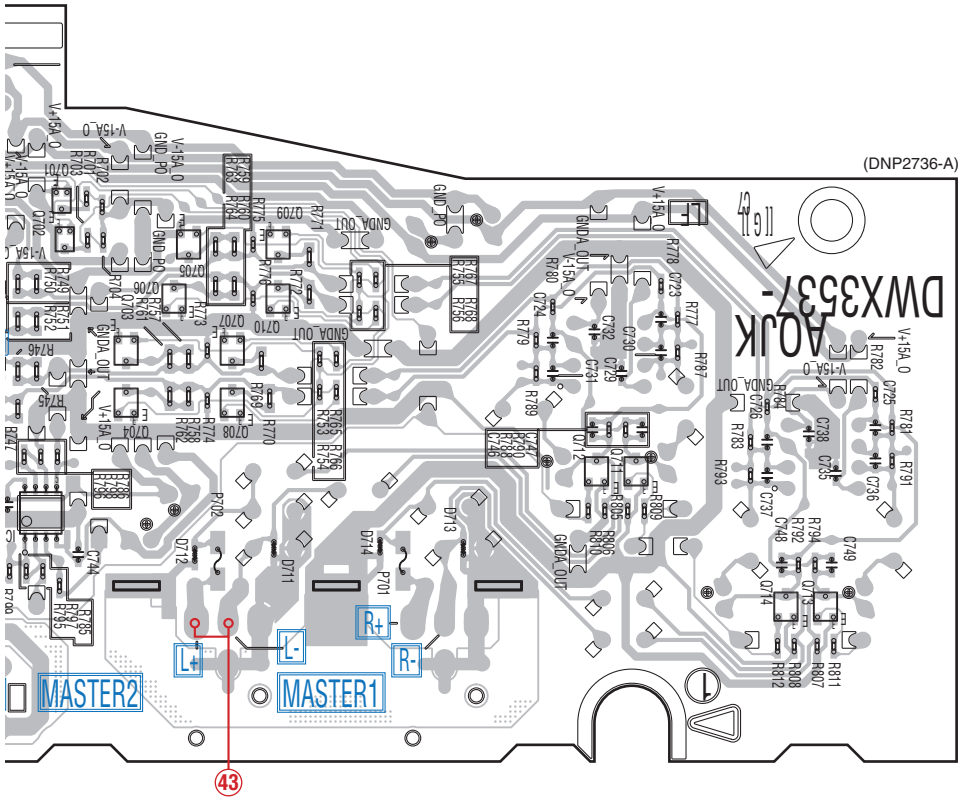
SIDE A



IC704
IC902
IC903 IC703

021

SIDE B

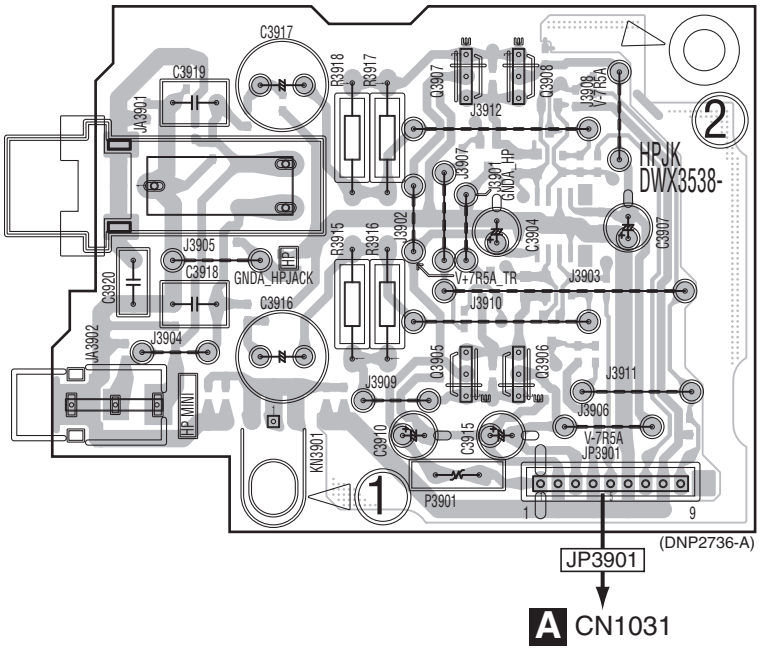


IC901 IC702 Q701
Q904 Q702 Q705 Q709
Q908 Q706 Q710
Q902 Q906 Q703 Q707
Q903 IC701 Q907 Q704 Q708
Q901 Q905 Q712 Q711
IC705
Q911 Q912
Q909 Q910 Q715 Q716 Q714 Q713

11.4 HPJK and USBB ASSYS

SIDE A

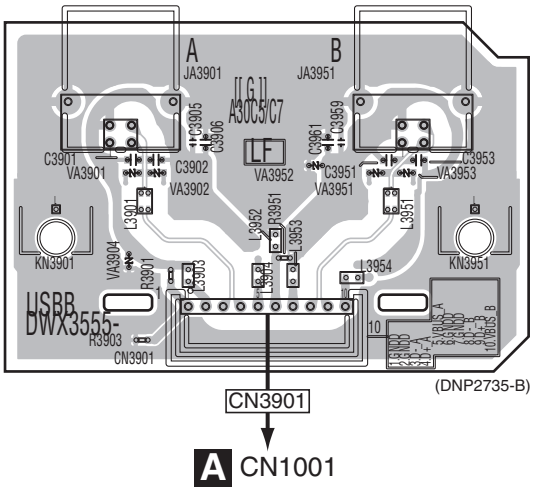
D HPJK ASSY



Q3907 Q3908
Q3905 Q3906

SIDE A

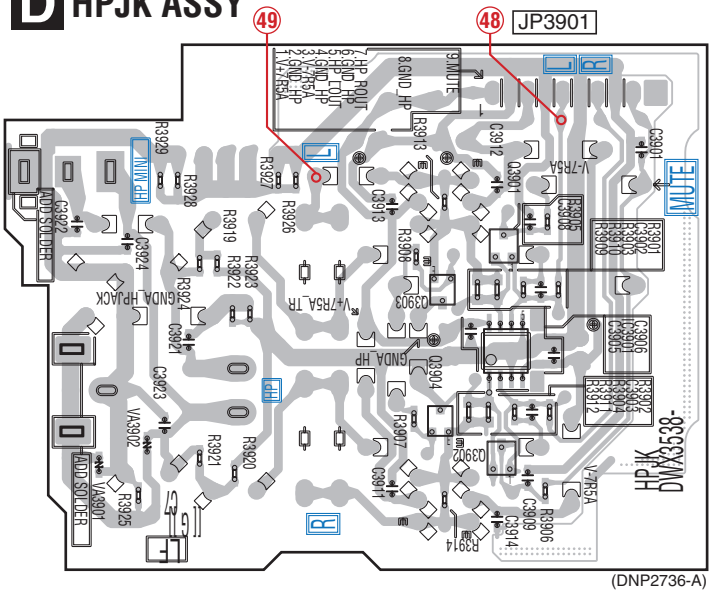
E USBB ASSY



SIDE B

The blue character is silk for services.

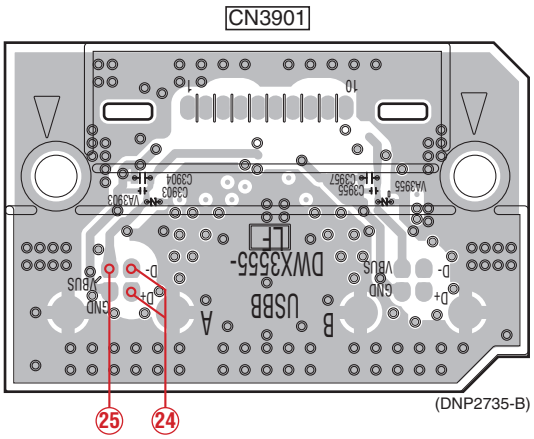
D HPJK ASSY



Q3903 Q3901
IC3901
Q3904 Q3902

SIDE B

E USBB ASSY



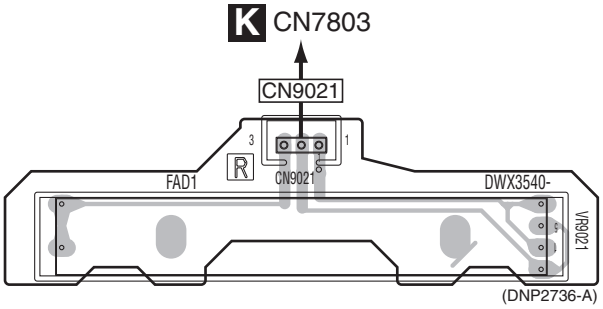
D E

11.5 FAD1 to FAD4 ASSYS

SIDE A

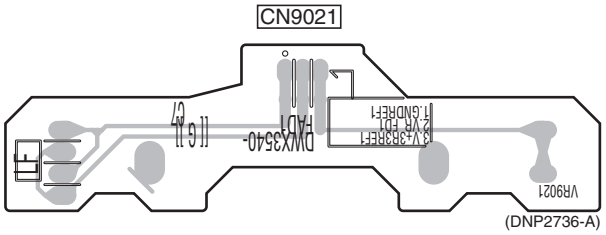
SIDE B

F FAD1 ASSY



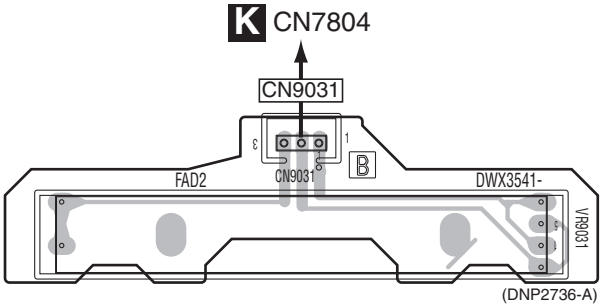
(DNP2736-A)

F FAD1 ASSY



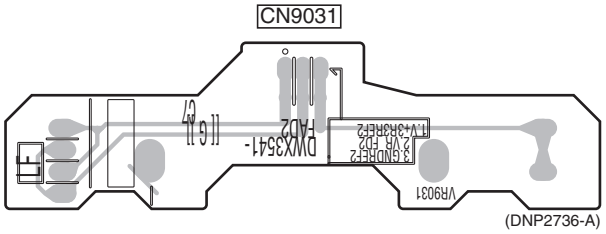
(DNP2736-A)

G FAD2 ASSY



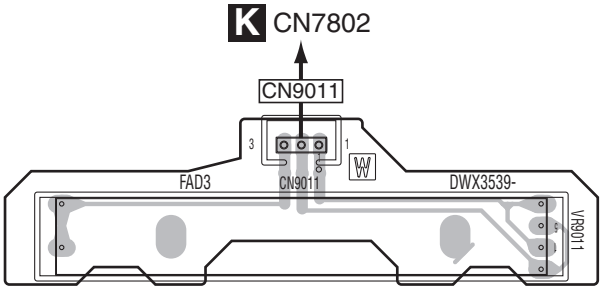
(DNP2736-A)

G FAD2 ASSY



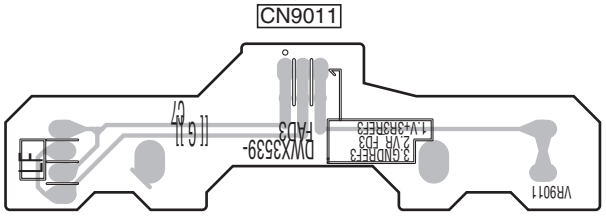
(DNP2736-A)

H FAD3 ASSY



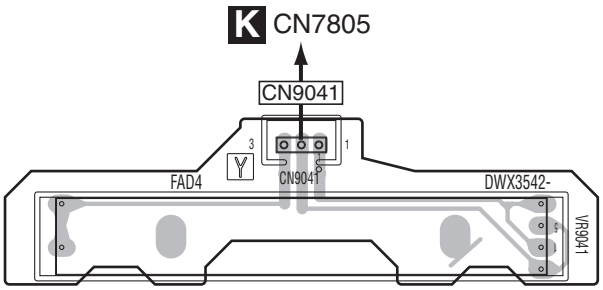
(DNP2736-A)

H FAD3 ASSY



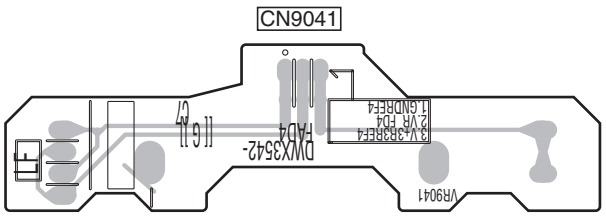
(DNP2736-A)

I FAD4 ASSY



(DNP2736-A)

I FAD4 ASSY

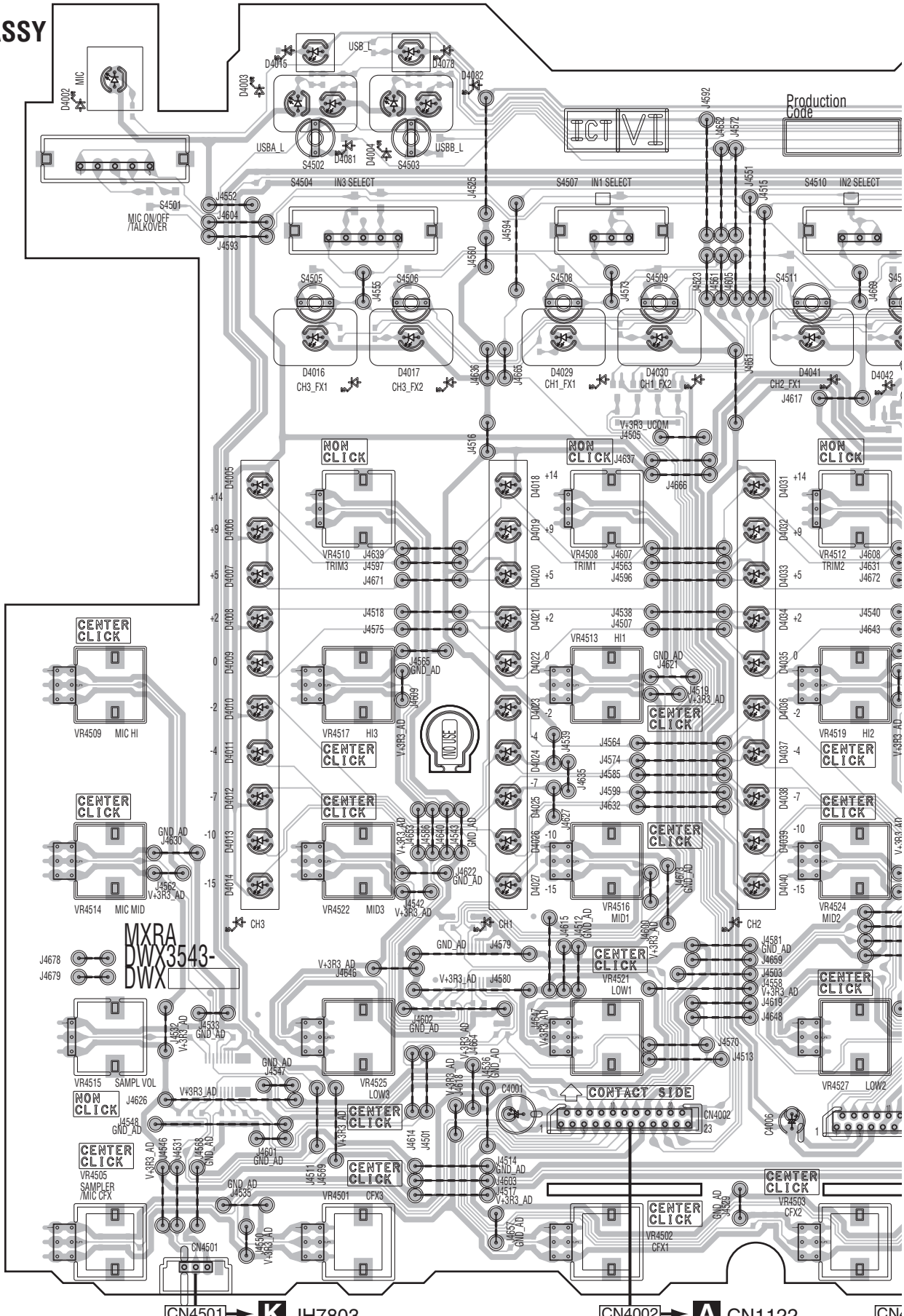


(DNP2736-A)

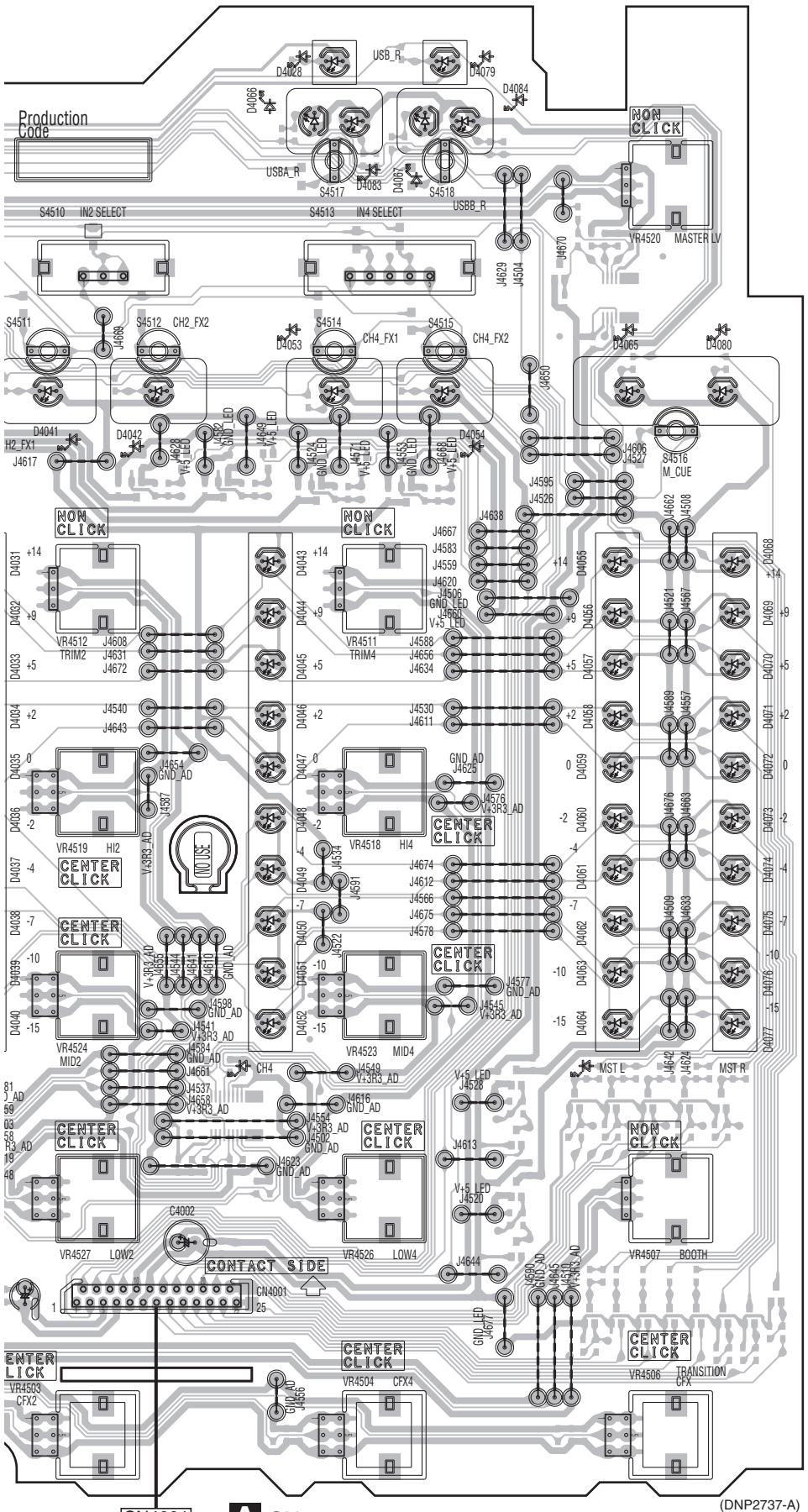
11.6 MXRA ASSY

SIDE A

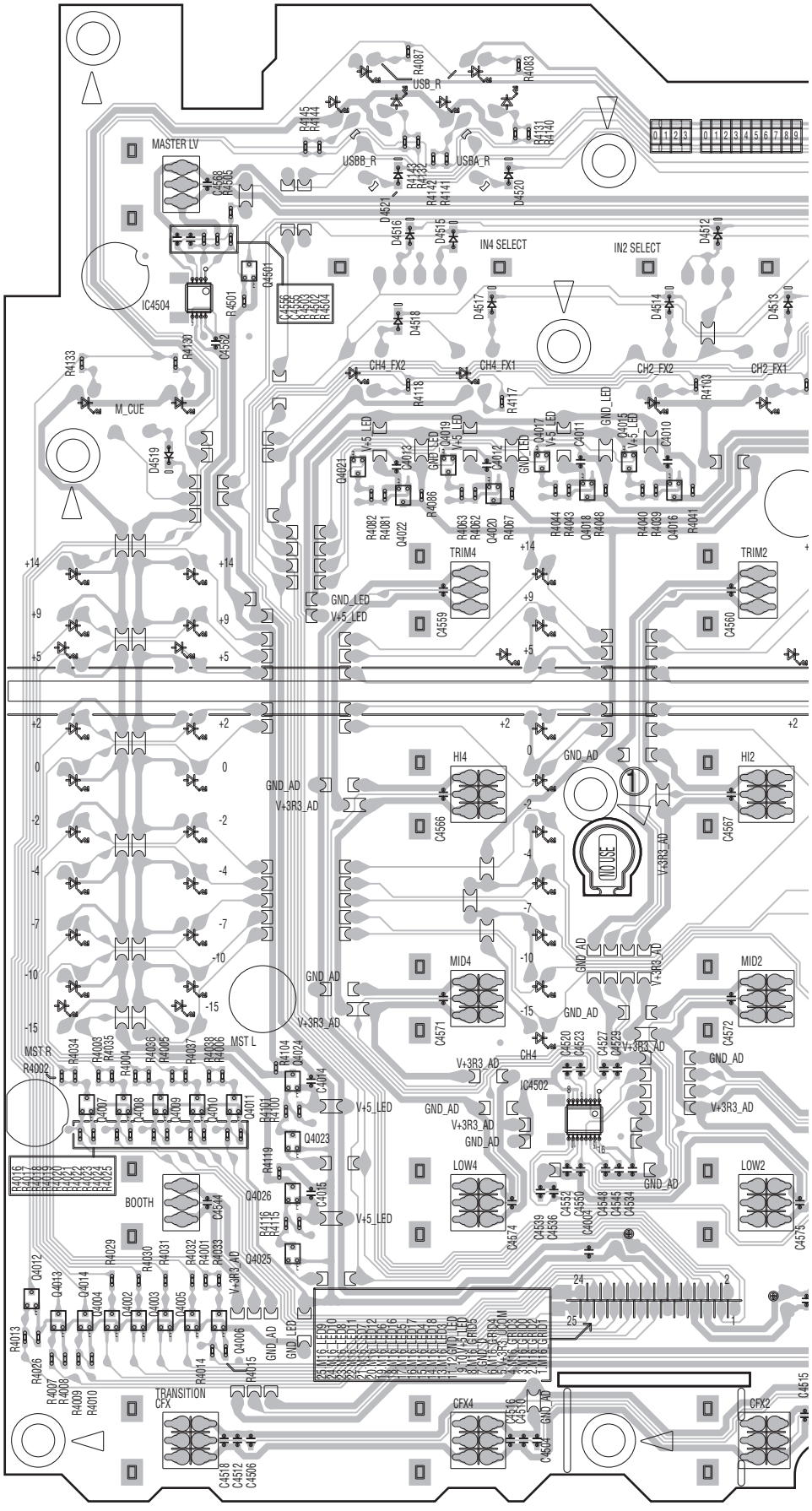
J MXRA ASSY

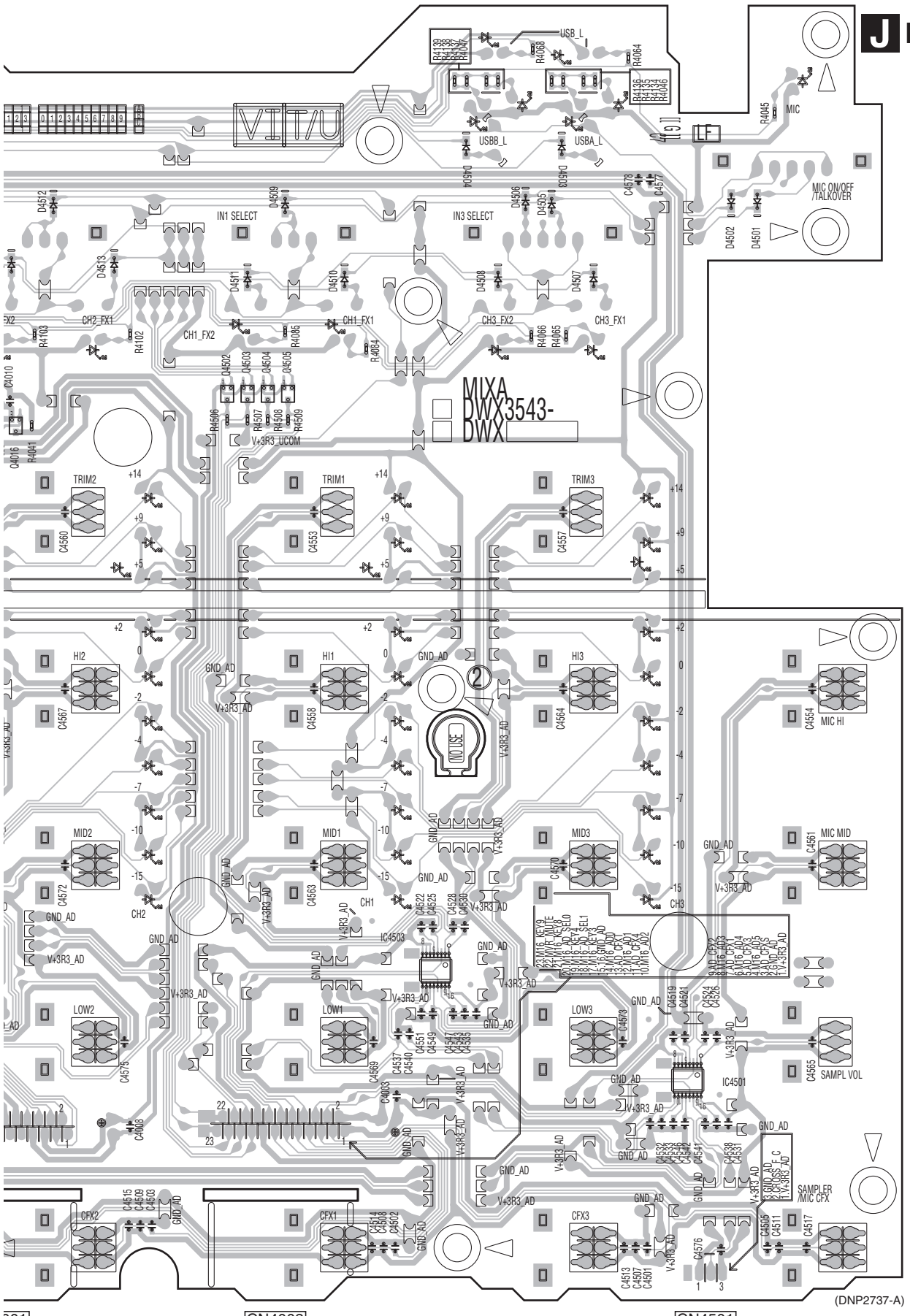


SIDE A


Production Code
USB_R
USBA_R
USBB_R
S4510 IN2 SELECT
S4513 IN4 SELECT
S4511
S4512 CH2_FX2
S4514 CH4_FX1
S4515 CH4_FX2
S4516 M_CUE
S4517
S4518
VR4520 MASTER LV
NON CLICK
CENTER CLICK
VR4512 TRIM2
VR4511 TRIM4
VR4519 HI2
VR4518 HI4
VR4524 MID2
VR4523 MID4
VR4527 LOW2
VR4526 LOW4
VR4504 CFX4
VR4503 CFX2
VR4507 BOOTH
VR4506 TRANSITION CFX
MST L
MST R
CONTACT SIDE
CN4001
C4002
22
CN4001 → A CN1121
(DNP2737-A)

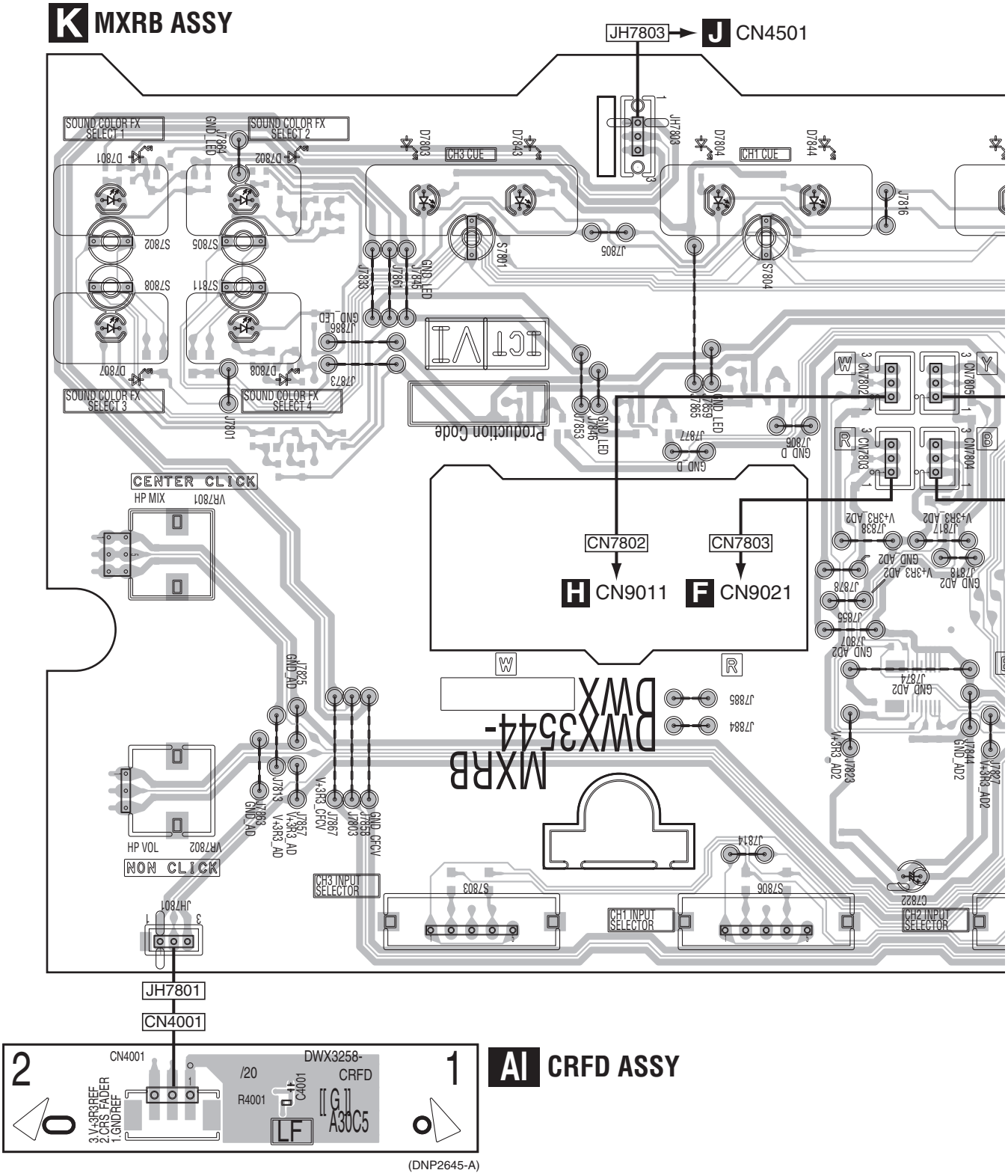
SIDE B

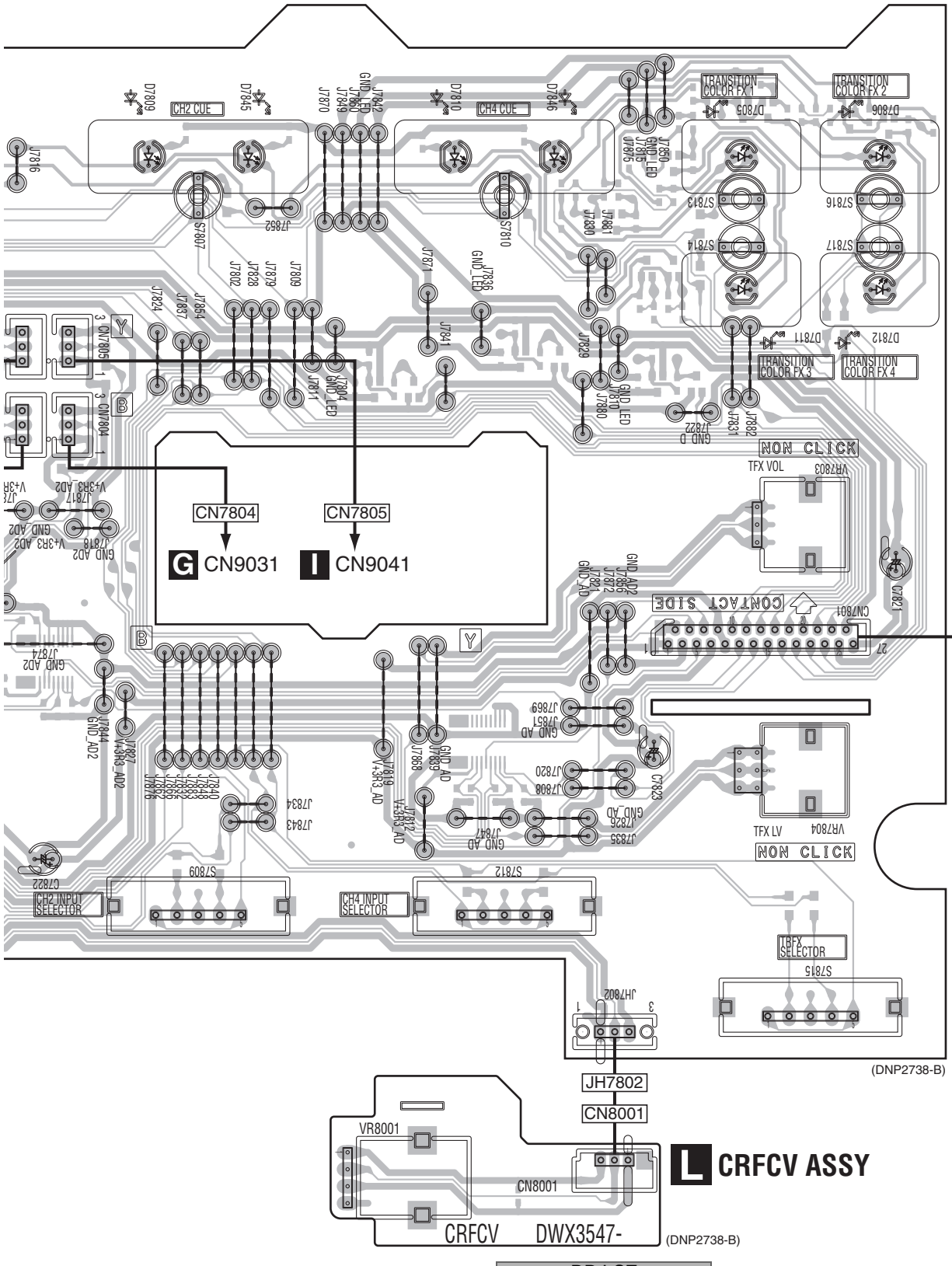

IC4504
Q4502-Q4505
Q4016-Q4022
Q4007-Q4011
IC4502
IC4503
IC4501
Q4012-Q4014
Q4002-Q4006
MASTER LV
USB_R
USBB_R
USBA_R
IN4 SELECT
IN2 SELECT
M_CUE
CH4_FX2
CH4_FX1
CH2_FX2
CH2_FX1
TRIM4
TRIM2
HI4
HI2
MID4
MID2
LOW4
LOW2
CFX4
CFX2
BOOTH
TRANSITION
MST R
MST L
GND_AD
V+3R3_AD
V+5_LED
GND_LED
CH4
IC4502
CN4001


USB_L
USBB_L
USBA_L
MIC
MIC ON/OFF /TALKOVER
IN1 SELECT
IN3 SELECT
CH1_FX1
CH1_FX2
CH2_FX1
CH3_FX1
CH3_FX2
V+3R3_UCOM
TRIM1
TRIM2
TRIM3
HI1
HI2
HI3
MIC HI
MID1
MID2
MID3
MIC MID
LOW1
LOW2
LOW3
CFX1
CFX2
CFX3
SAMPL VOL
SAMPLER /MIC CFX
IC4503
IC4501
GND_AD
V+3R3_AD
MIXA DWX3543-
DWX
(DNP2737-A)
CN4002
CN4501

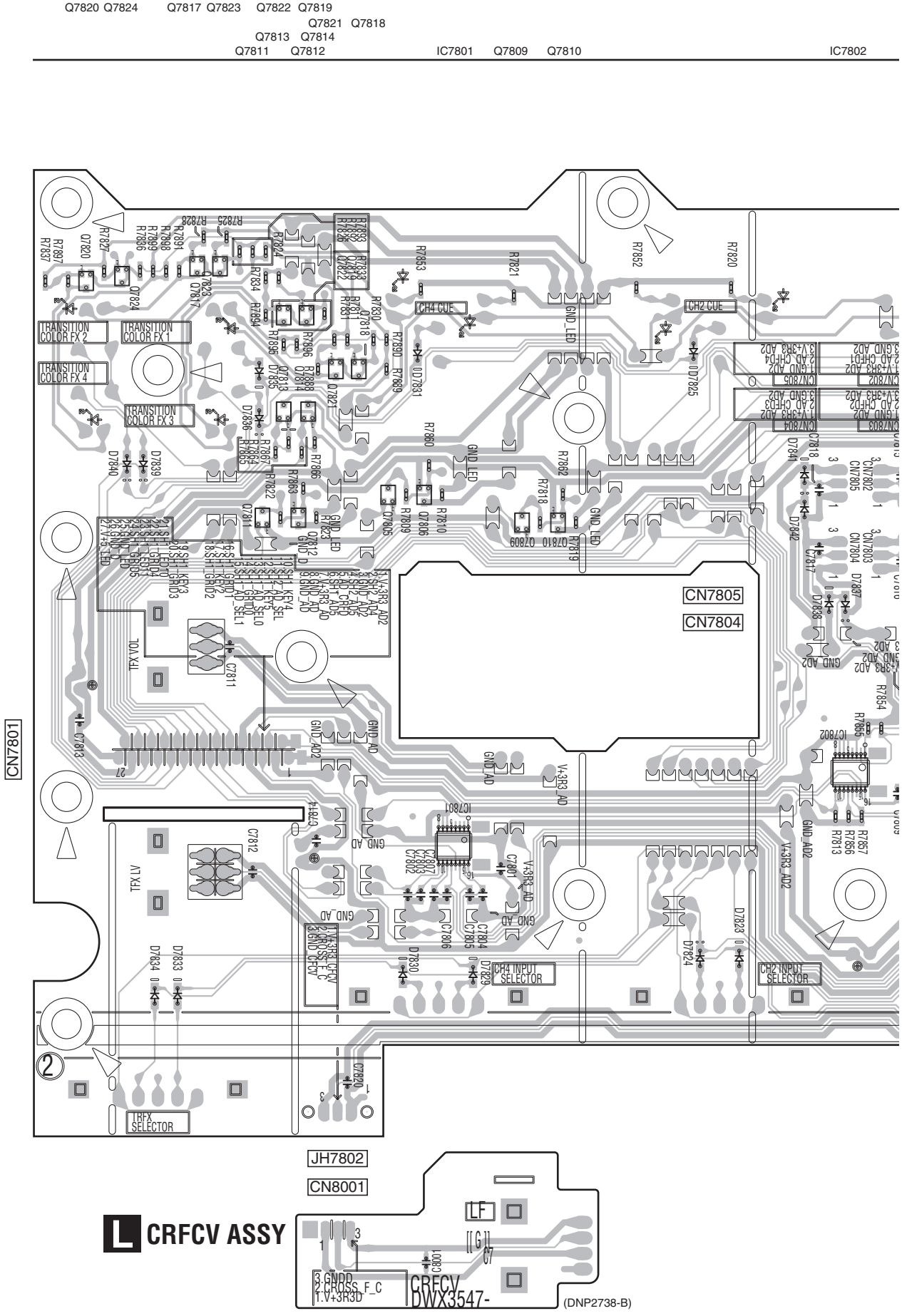
11.7 MXRB, CRFCV and CRFD ASSYS

SIDE A




CH2 CUE
CH4 CUE
TRANSITION COLOR FX 1
TRANSITION COLOR FX 2
TRANSITION COLOR FX 3
TRANSITION COLOR FX 4
NON CLICK
TFX VOL
TFX LV
CONTACT SIDE
CH2 INPUT SELECTOR
CH4 INPUT SELECTOR
TBFX SELECTOR
CN7804
CN7805
G CN9031
I CN9041
CN7801
A CN1131
JH7802
CN8001
VR8001
L CRFCV ASSY
CRFCV DWX3547-
(DNP2738-B)
(DNP2738-B)

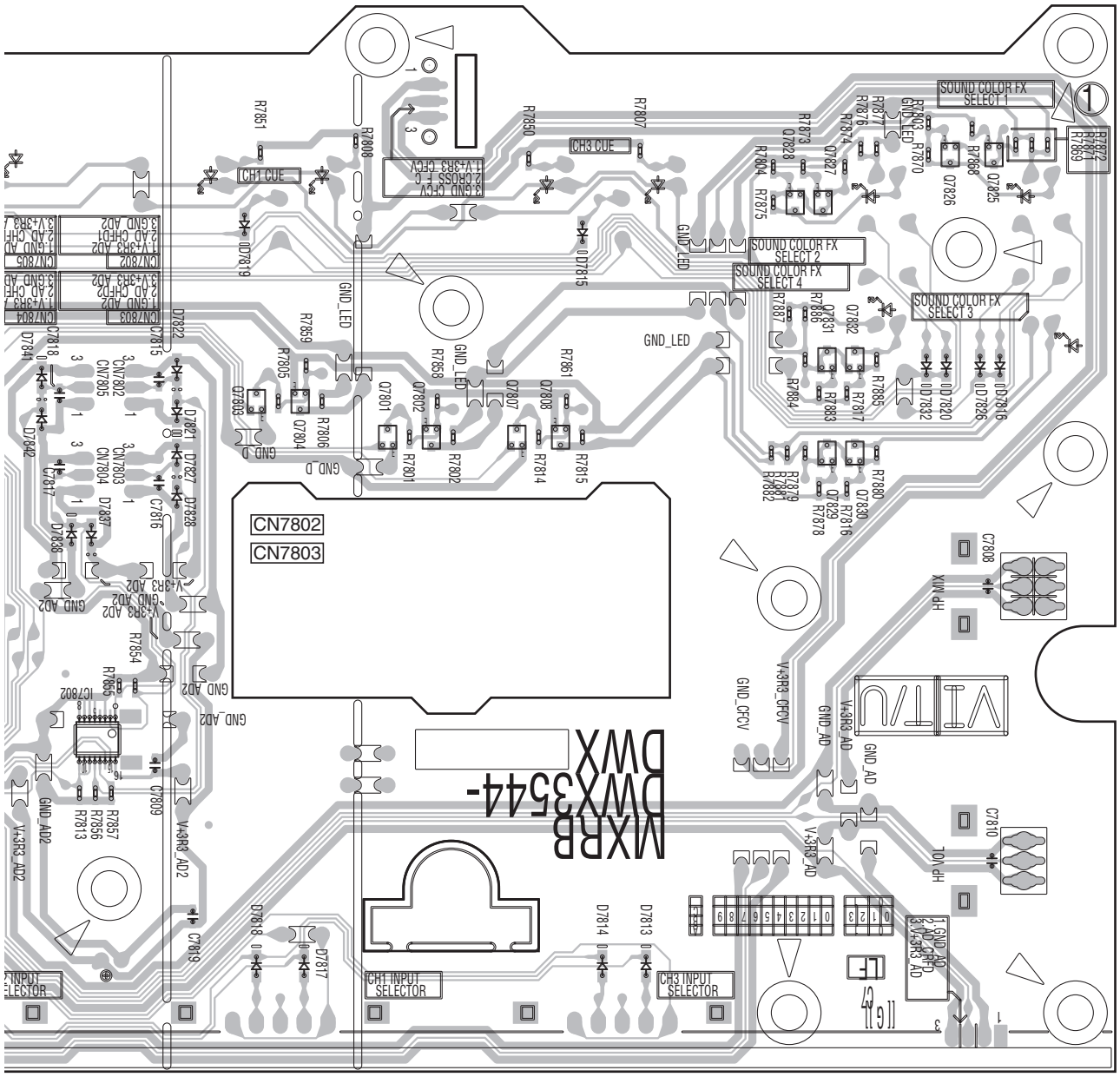
SIDE B


Q7820 Q7824
Q7817 Q7823
Q7822 Q7819
Q7821 Q7818
Q7813 Q7814
Q7811 Q7812
IC7801
Q7809 Q7810
IC7802
CN7801
CN7805
CN7804
TRANSITION COLOR FX 2
TRANSITION COLOR FX 1
TRANSITION COLOR FX 4
TRANSITION COLOR FX 3
CH4 CUE
CH2 CUE
GND_LED
CH4 INPUT SELECTOR
CH2 INPUT SELECTOR
TRFX SELECTOR
TFX VOL
TFX LV
JH7802
CN8001
L CRFCV ASSY
LF
CRFCV
DWX3547-
(DNP2738-B)

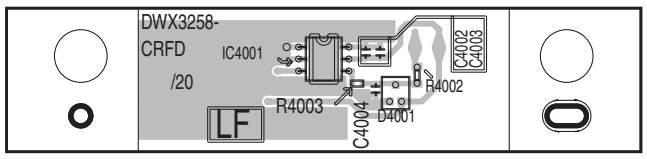
SIDE B

IC7802 Q7803 Q7804 Q7801 Q7802 Q7807 Q7808 Q7828 Q7827 Q7831 Q7832 Q7829 Q7830 Q7826 Q7825

K MXRB ASSY

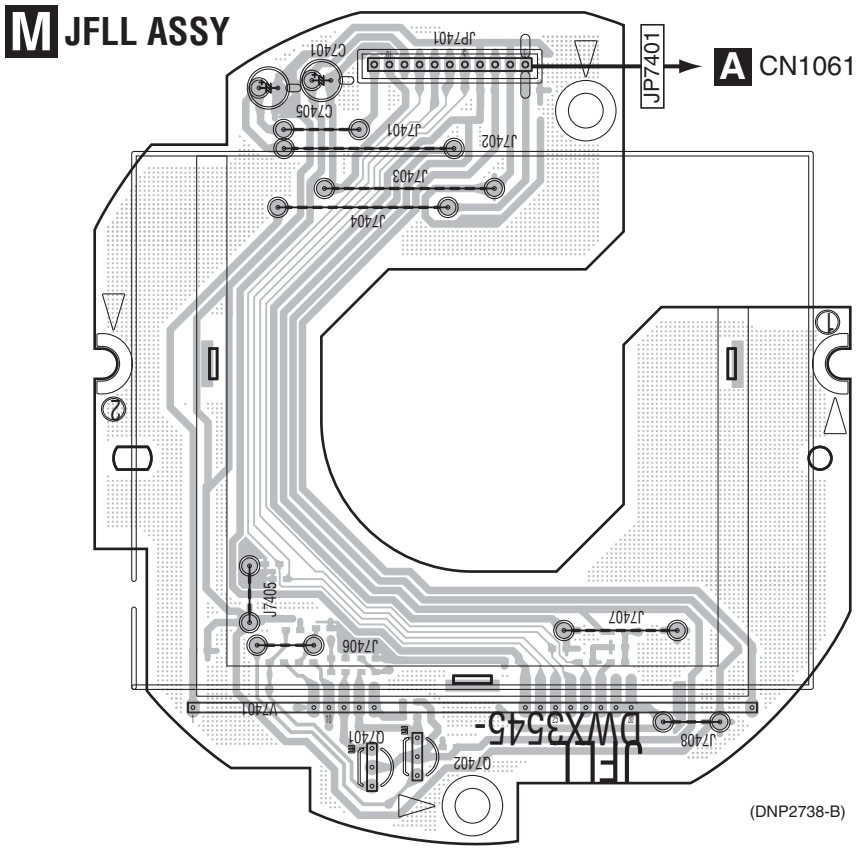


AI CRFD ASSY



11.8 JFLL ASSY

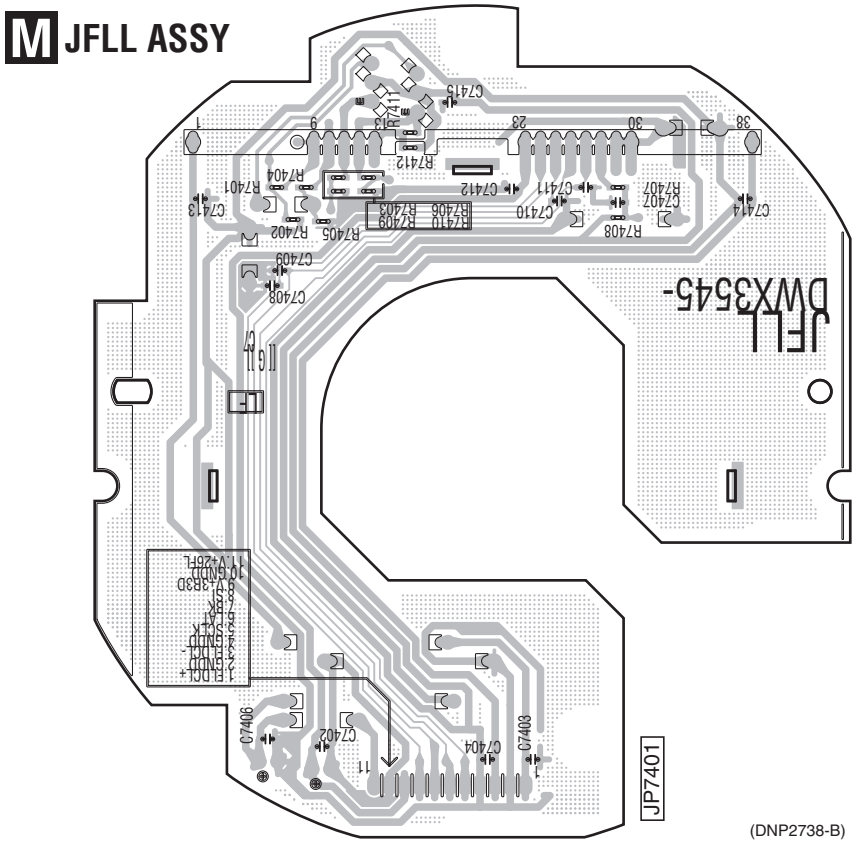
SIDE A



(DNP2738-B)

Q7401 Q7402

SIDE B

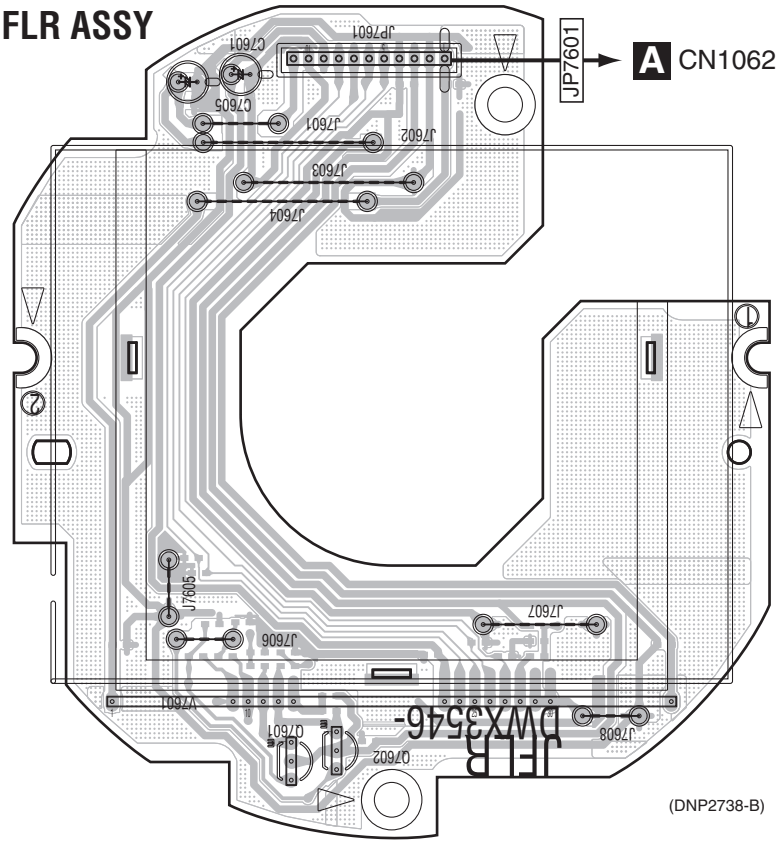


(DNP2738-B)

11.9 JFLR ASSY

SIDE A

N JFLR ASSY

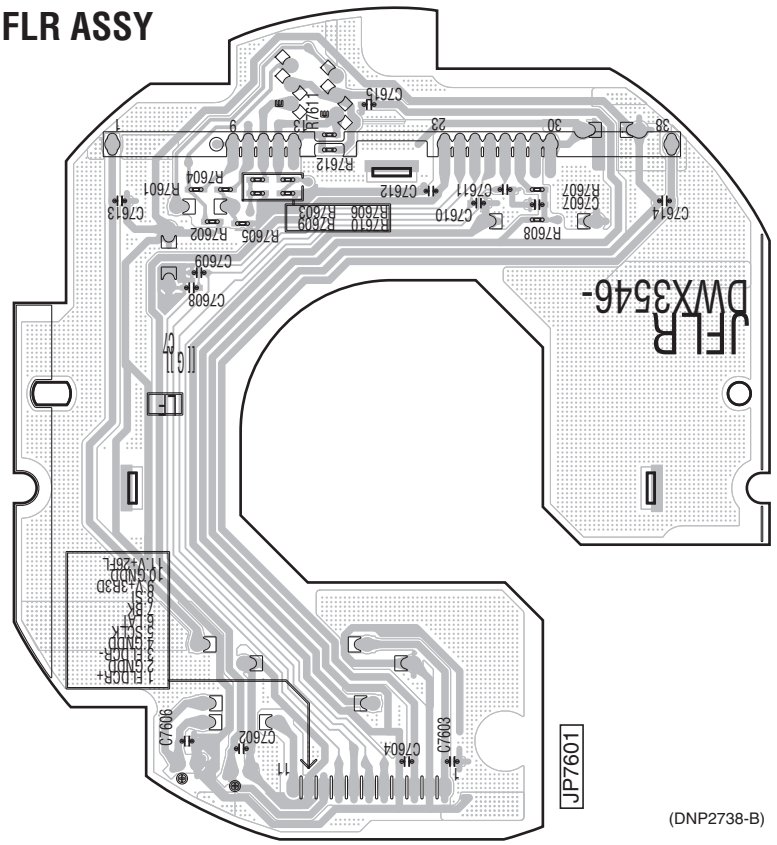


Q7601 Q7602

SIDE A

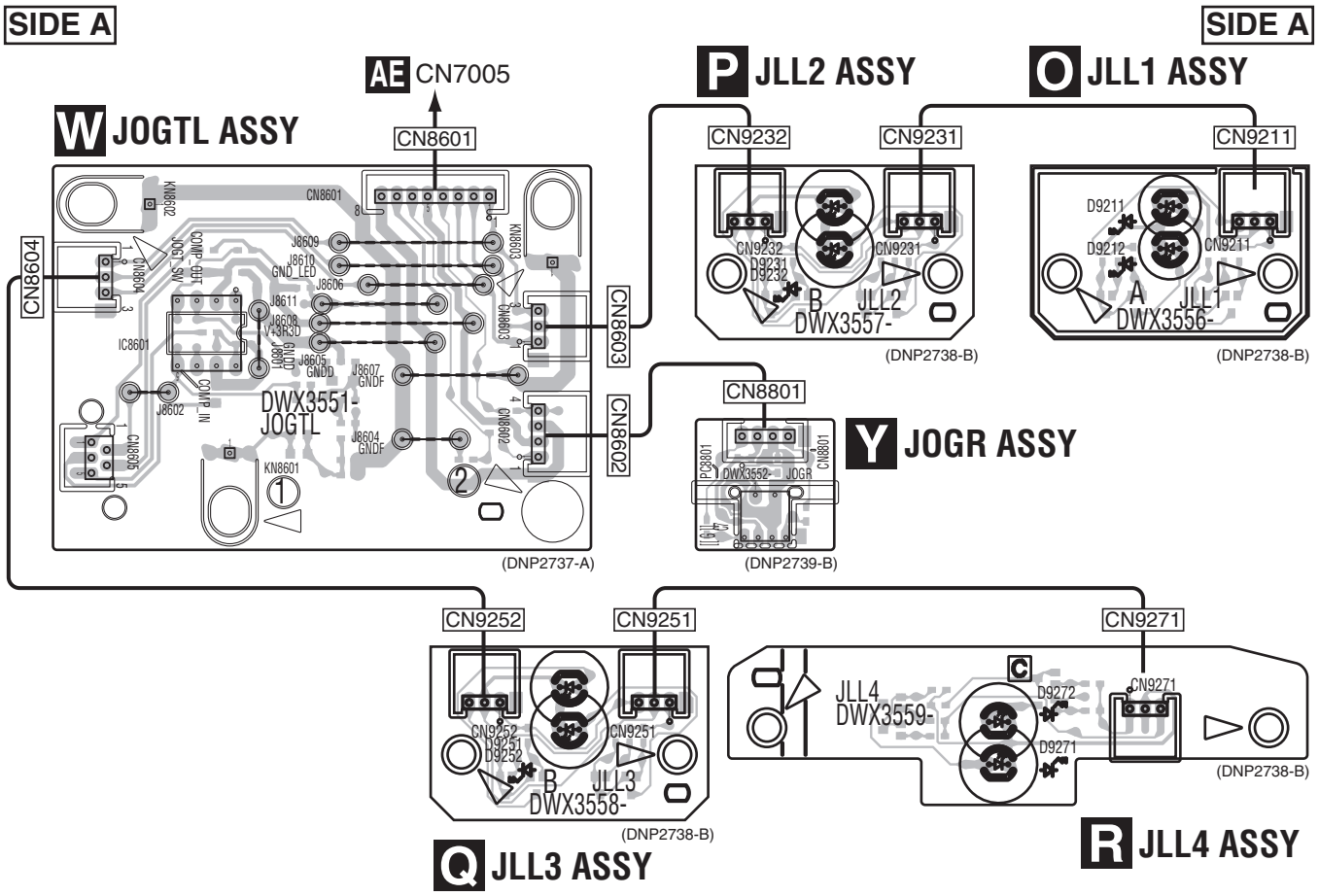
SIDE B

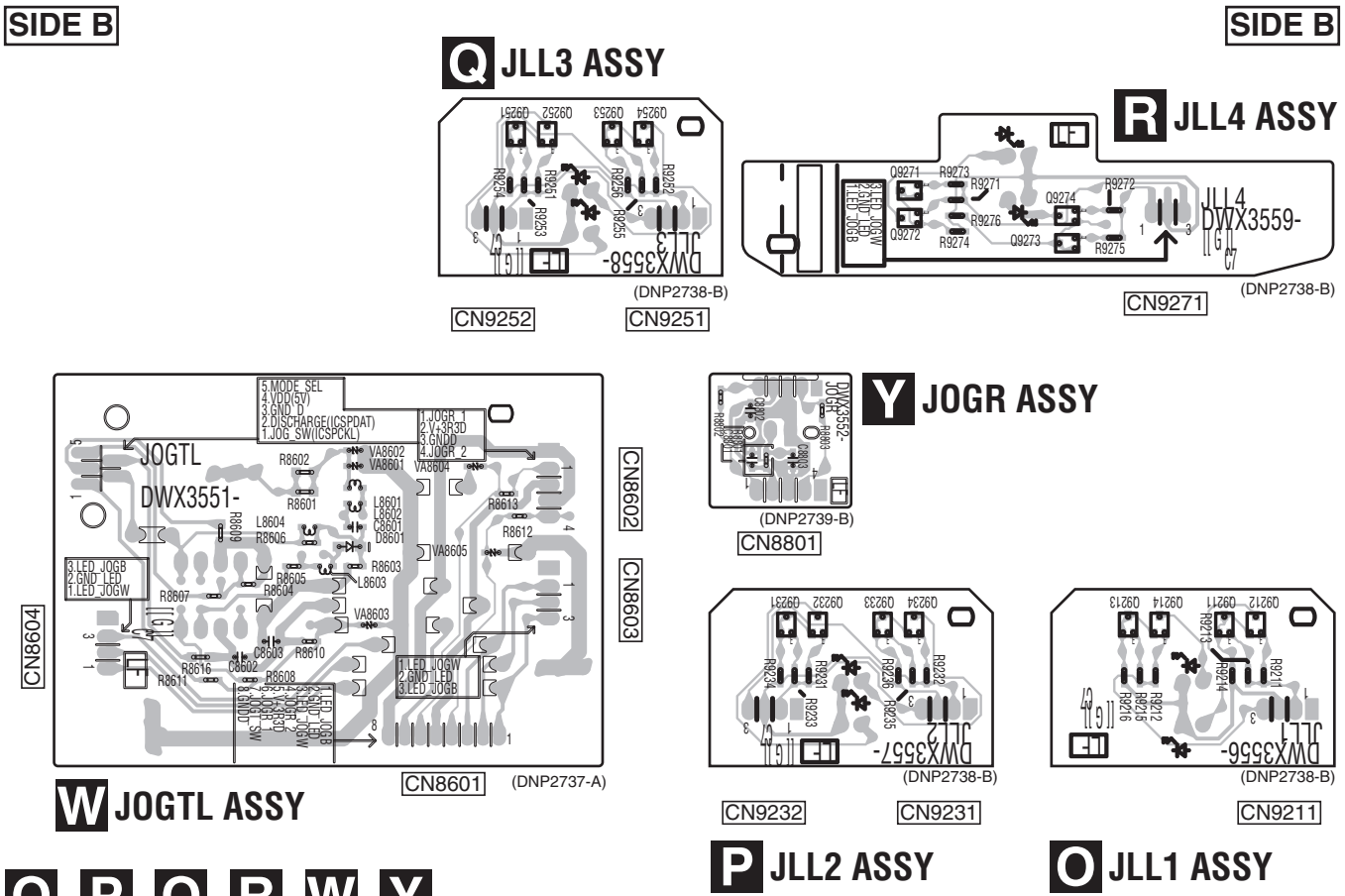
N JFLR ASSY



SIDE B

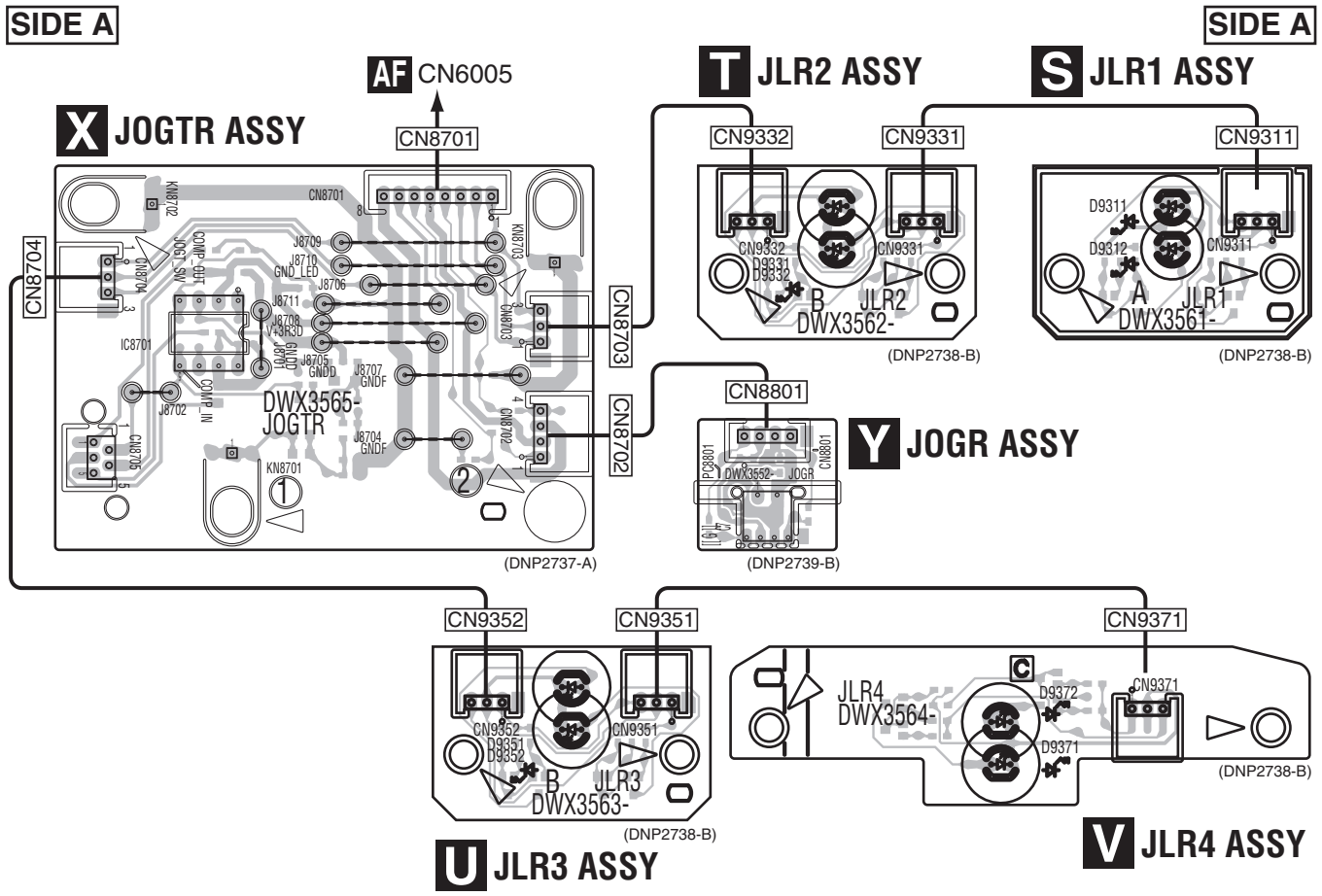
11.10 JLL1 to JLL4, JOGTL and JOGR ASSYS

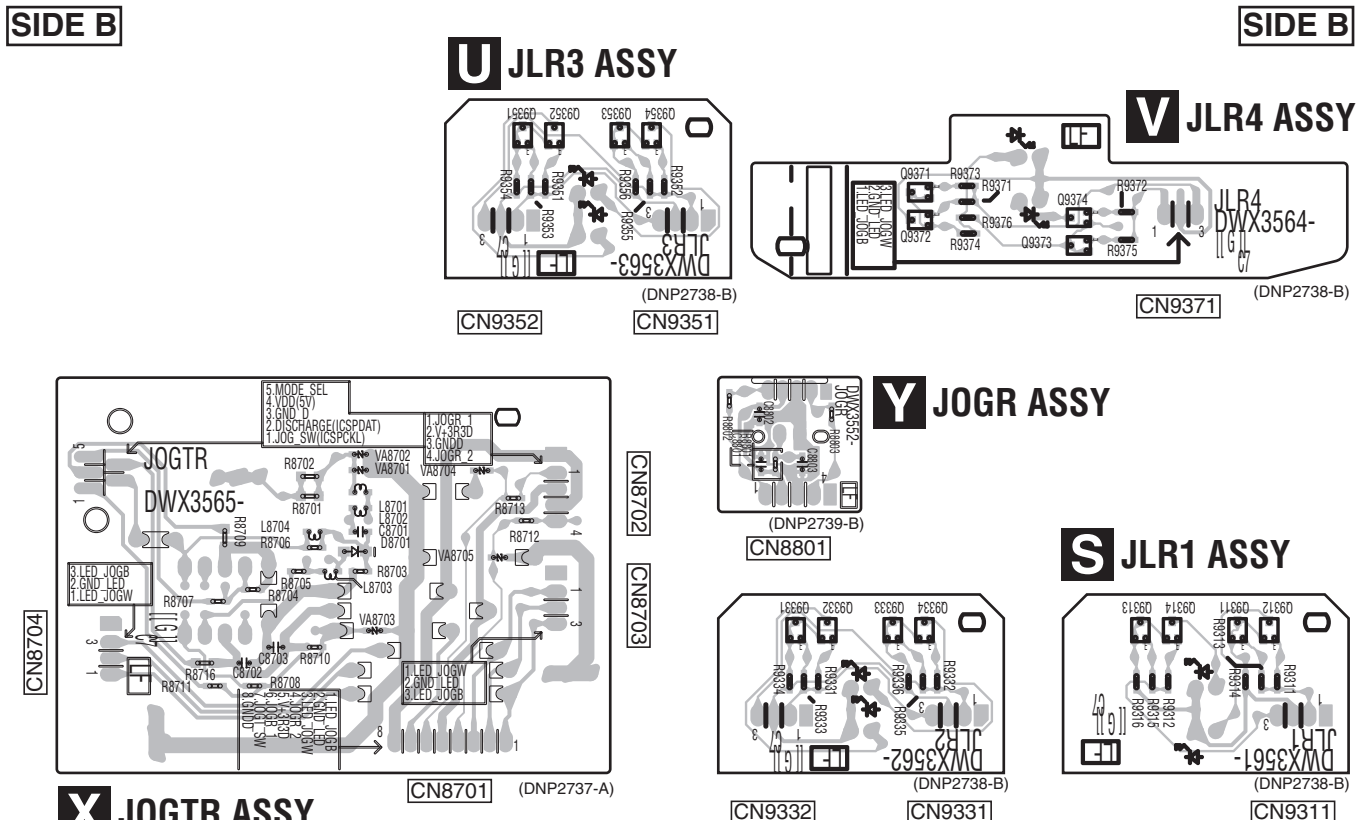




O P Q R W Y

11.11 JLR1 to JLR4, JOGTR and JOGR ASSYS



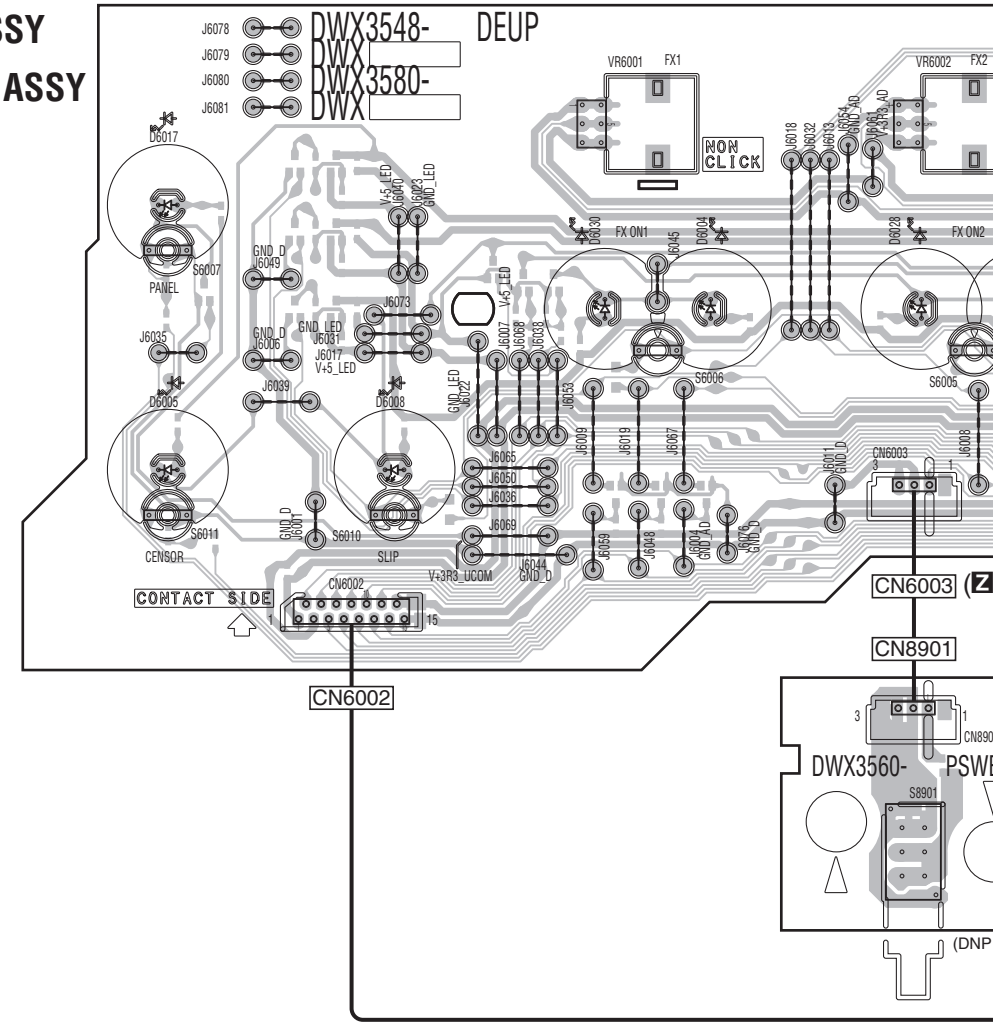


S T U V X Y

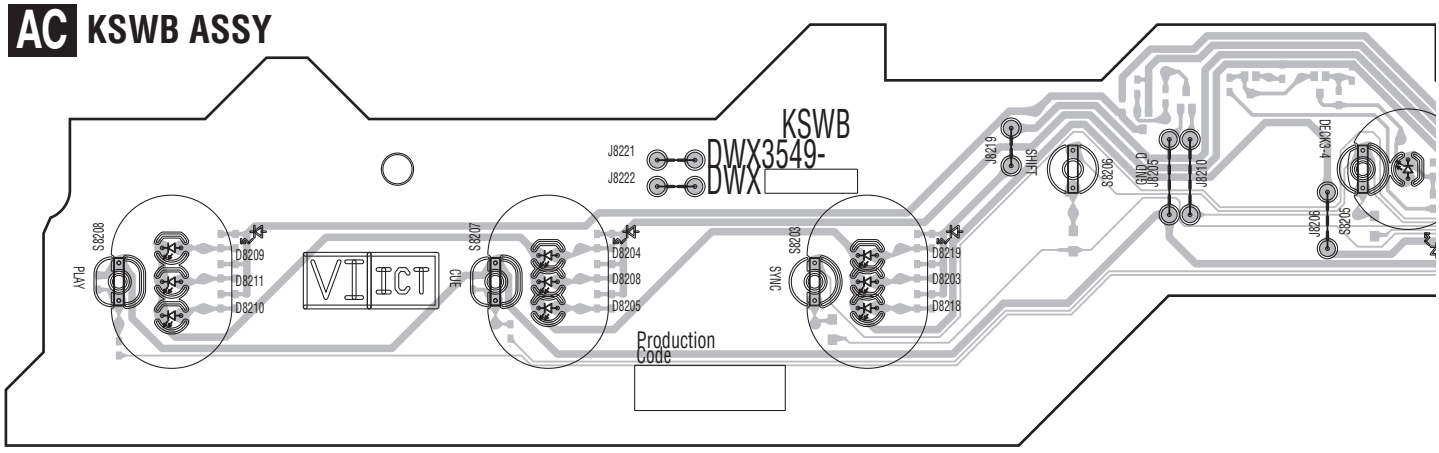
11.12 DEUP, DEUPR, PSWB and KSWB ASSYS

SIDE A

Z DEUP ASSY
AA DEUPR ASSY

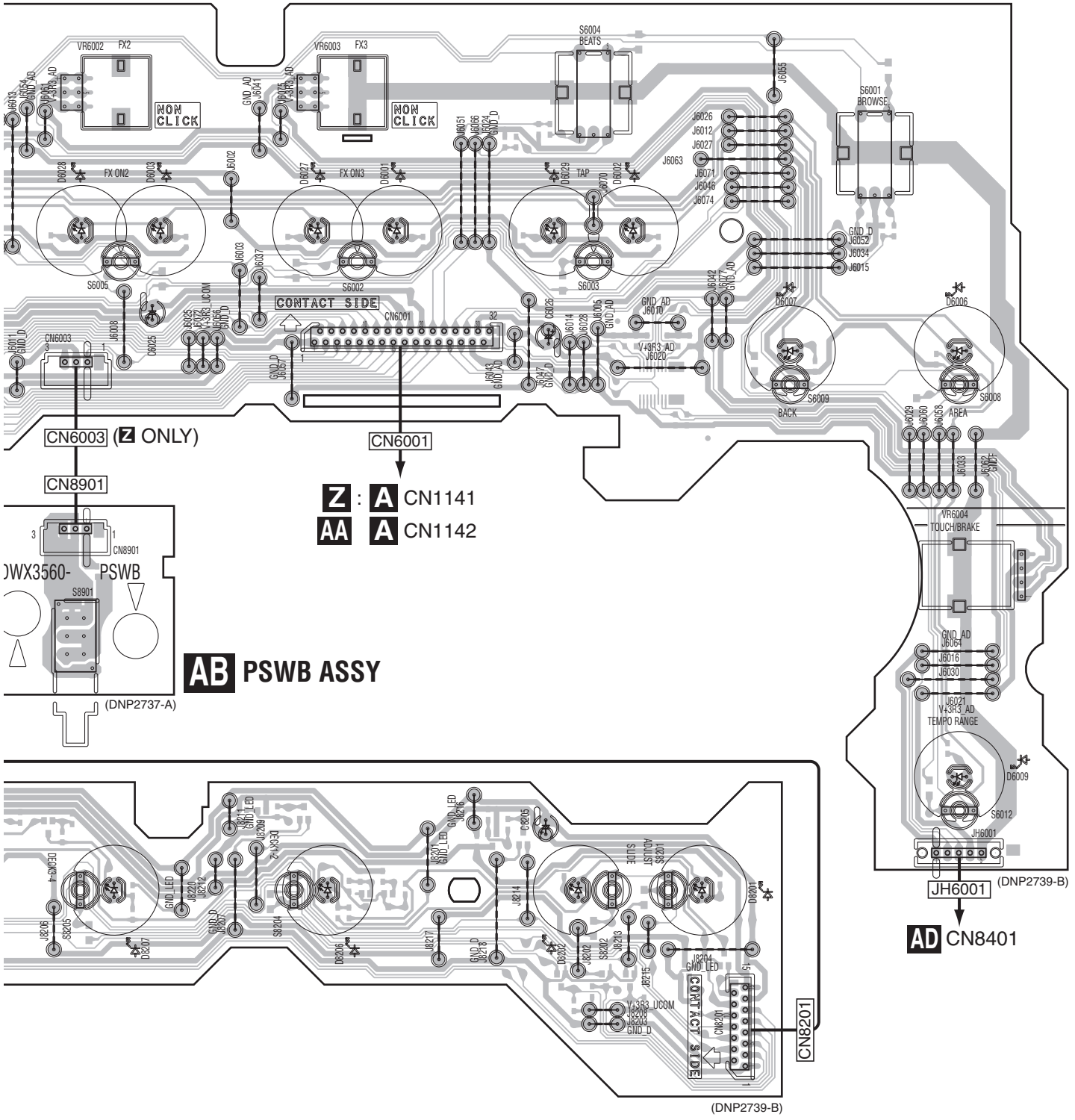


AC KSWB ASSY

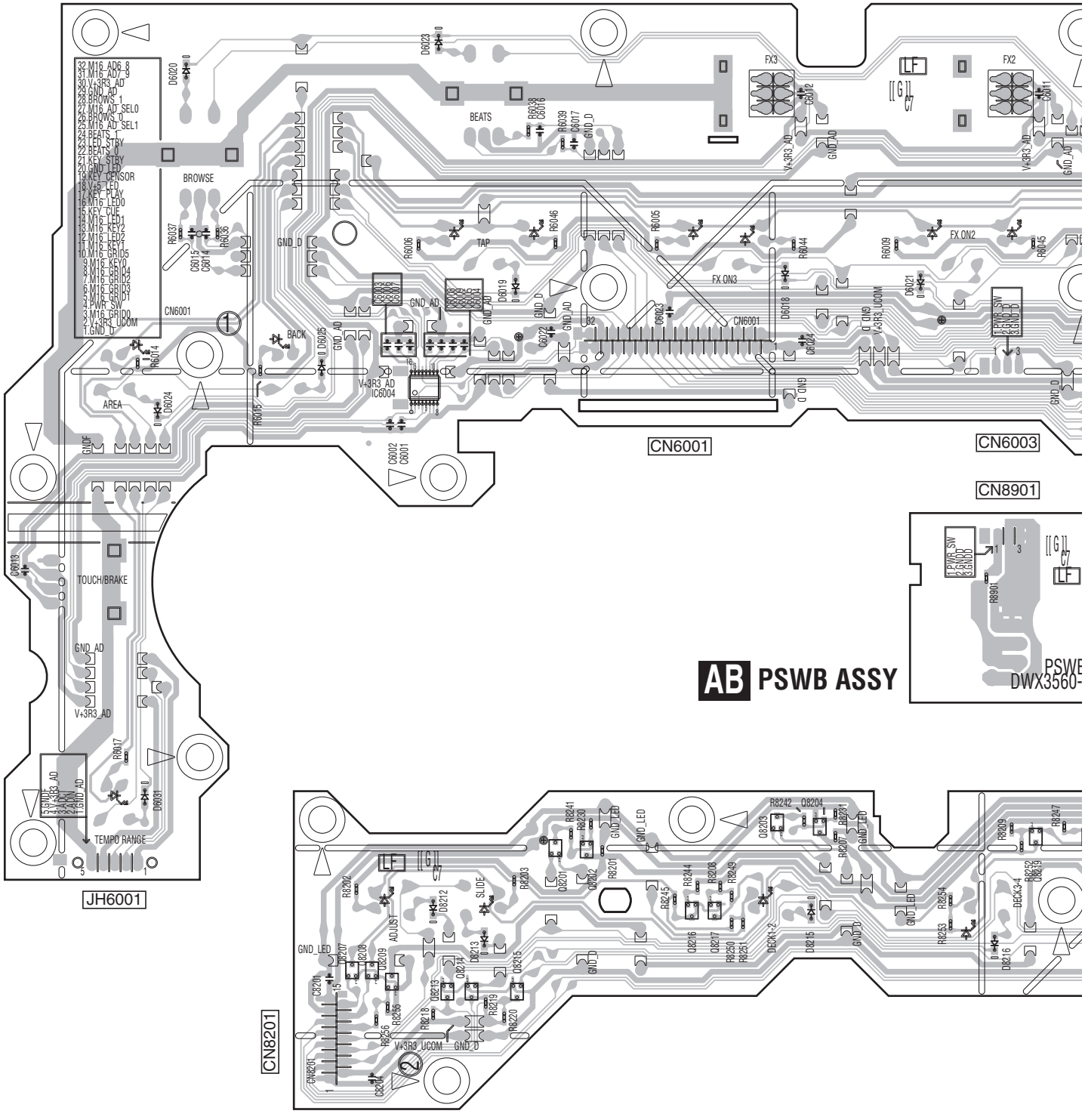


Z AA AB AC

SIDE A


VR6002 FX2
VR6003 FX3
S6004 BEATS
S6001 BROWSE
NON CLICK
FX ON2
FX ON3
TAP
S6005
S6002
S6003
CONTACT SIDE
CN6001
CN6003
CN6003 (Z ONLY)
CN8901
Z : A CN1141
AA A CN1142
AB PSWB ASSY
(DNP2737-A)
D6007
D6006
S6009
S6008
BACK
AREA
VR6004 TOUCH/BRAKE
GND_AD J6064
J6016
J6030
J6021 V+3R3_AD TEMPO RANGE
D6009
S6012
JH6001
(DNP2739-B)
AD CN8401
CN8201
CONTACT SIDE
(DNP2739-B)

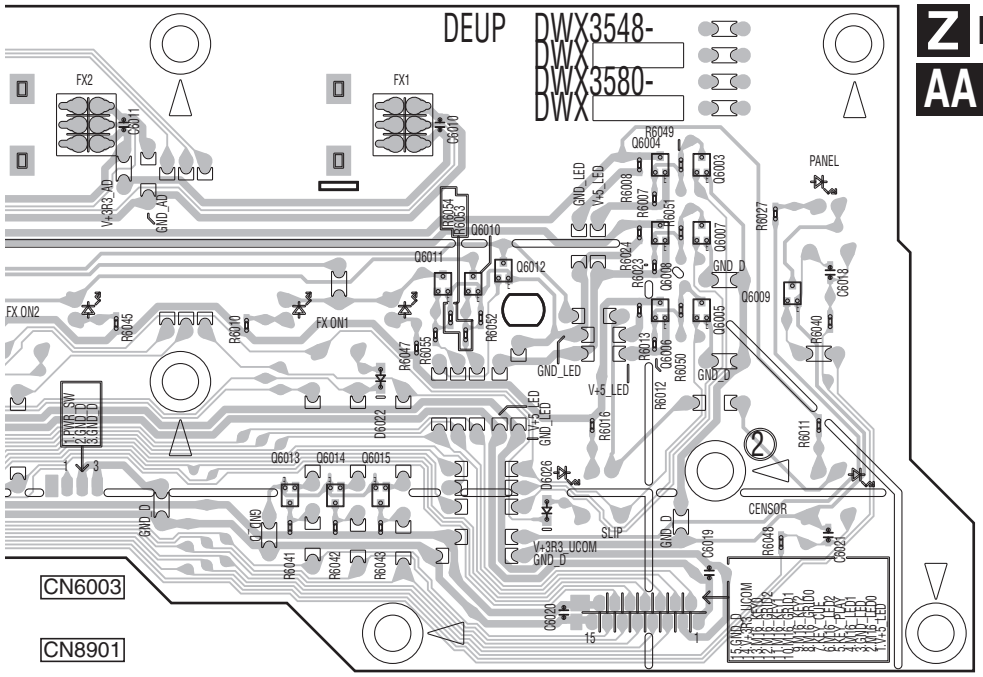
SIDE B

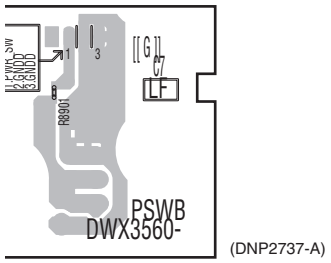

IC6004
CN6001
CN6003
CN8901
CN8201
JH6001
AB PSWB ASSY
PSWB
DWX3560-
BEATS
BROWSE
TAP
BACK
AREA
TOUCH/BRAKE
TEMPO RANGE
FX3
FX2
FX ON2
FX ON3
LF
Q8201 Q8202 Q8203 Q8204 Q8219
Q8027-Q8029 Q8213-Q8215 Q8216 Q8217

SIDE B

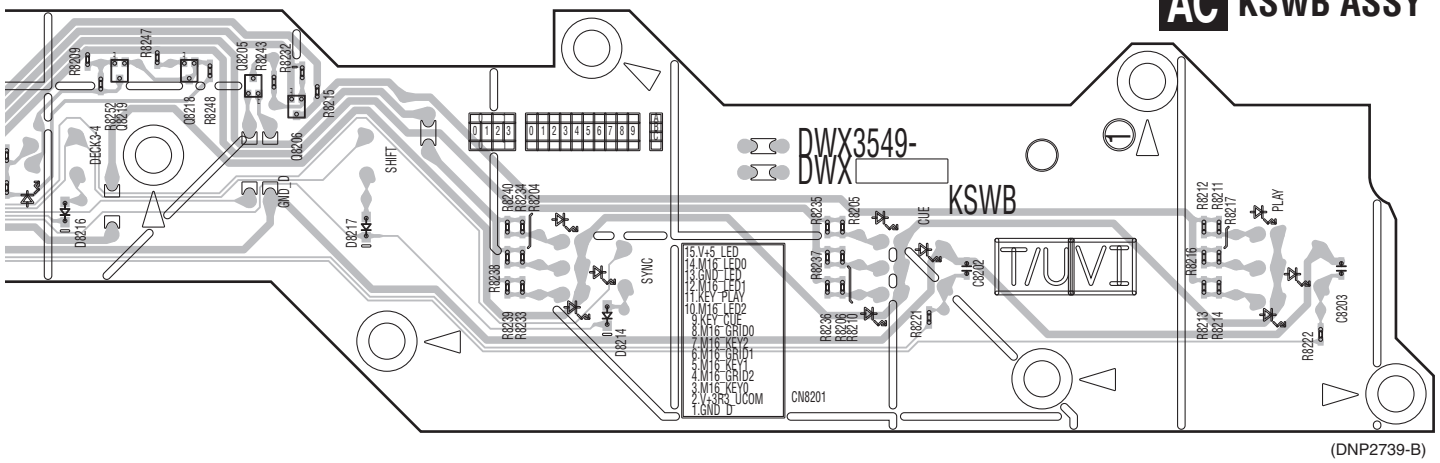
Q6004 Q6003
Q6008 Q6007
Q6013-Q6015 Q6010-Q6012 Q6006 Q6005 Q6009

Z DEUP ASSY
AA DEUPR ASSY





AC KSWB ASSY



Q8219 Q8218
Q8025
Q8026

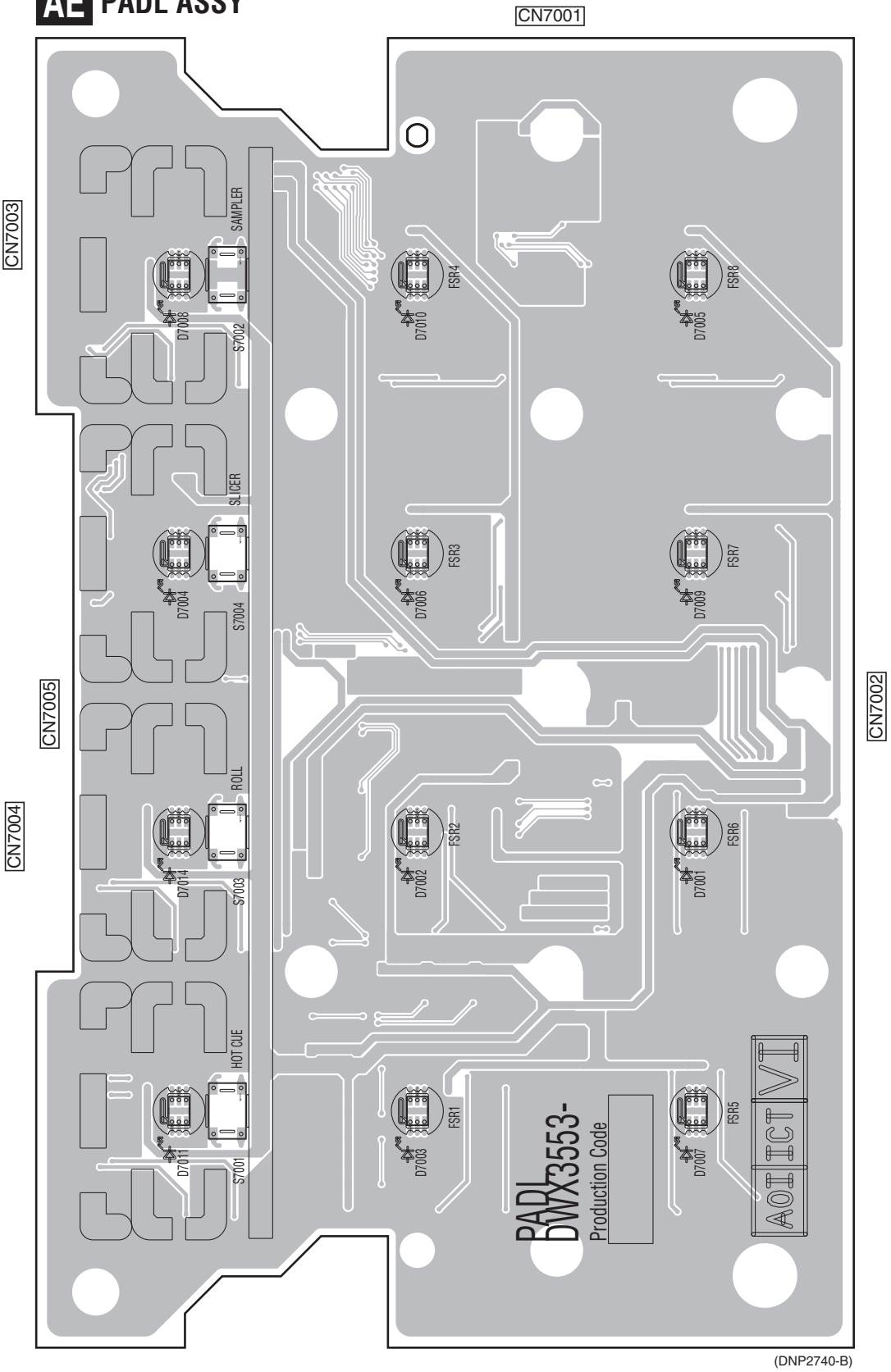
Z AA AB AC

11.13 PADL ASSY

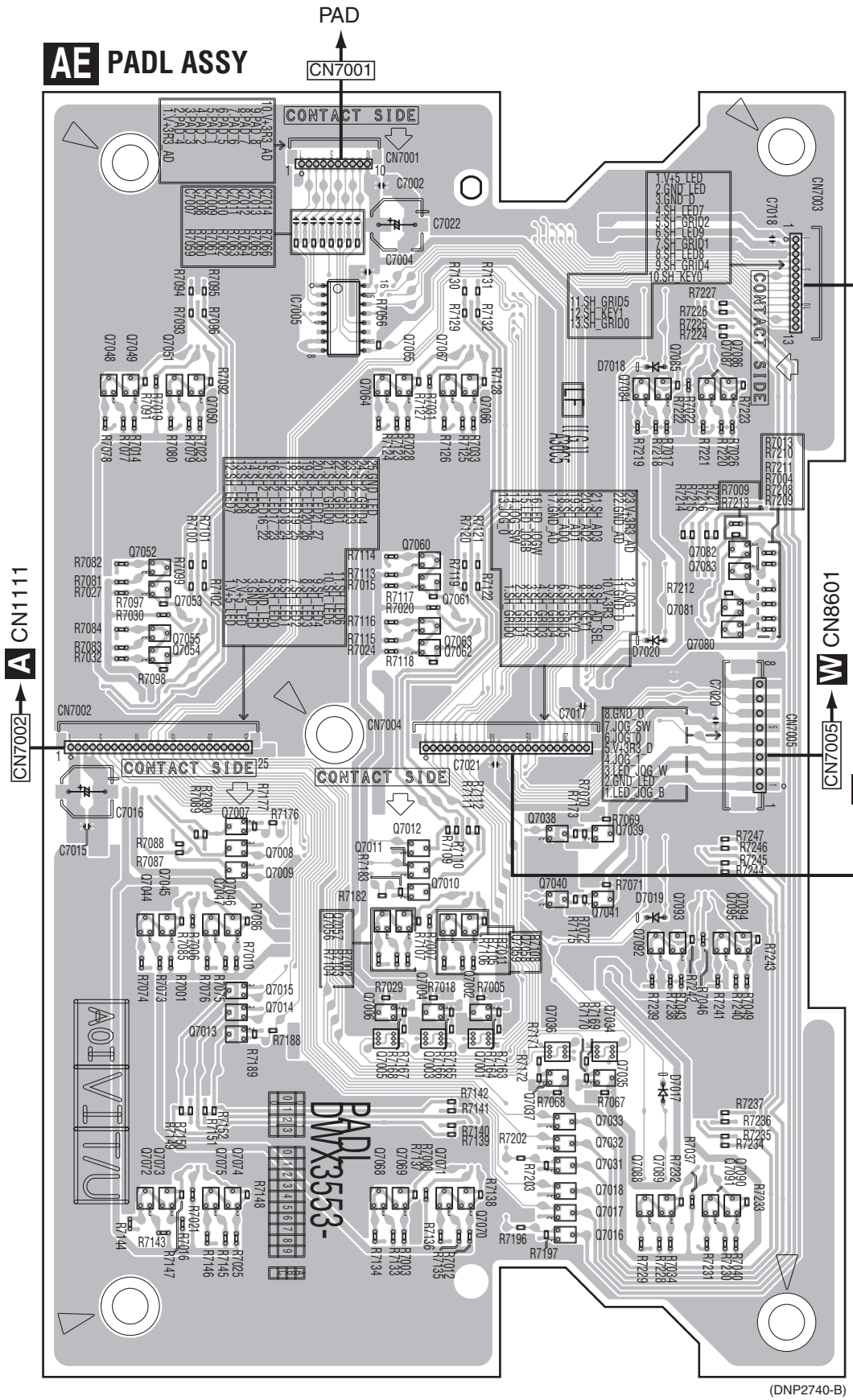
SIDE A

SIDE A

AE PADL ASSY



(DNP2740-B)

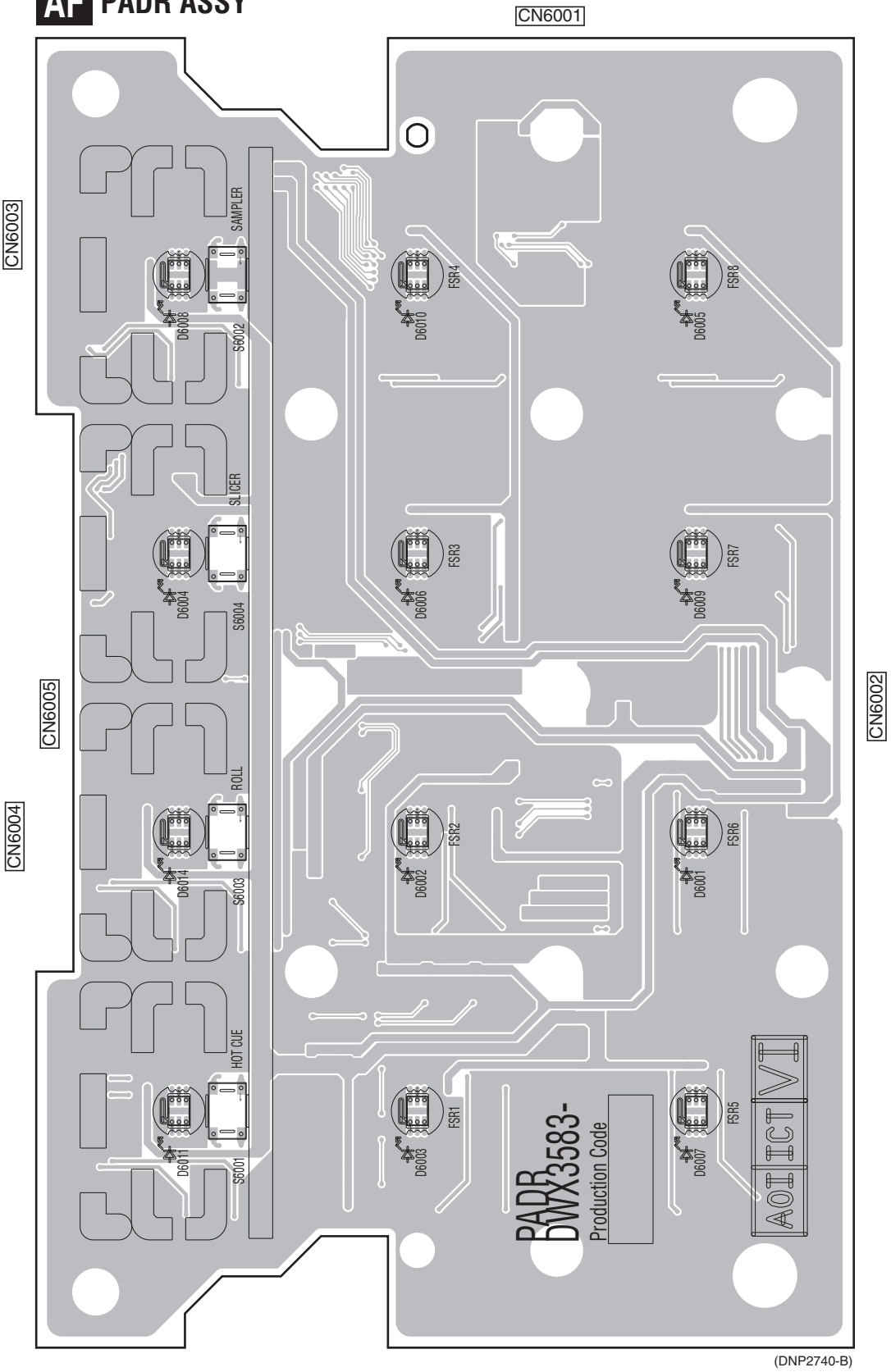

AE PADL ASSY
PAD
CN7001
CONTACT SIDE
CN7002
CN7003
CN7004
CN7005
CN8402
CN8601
CN1111
CN1112
IC7005
Q7048-Q7051
Q7064-Q7067
Q7084-Q7087
Q7080-Q7083
Q7060-Q7063
Q7052-Q7055
Q7038
Q7039
Q7007-Q7009
Q7010-Q7012
Q7040
Q7041
Q7044-Q7047
Q7056-Q7059
Q7092-Q7095
Q7013-Q7015
Q7004-Q7006
Q7034-Q7037
Q7031-Q7033
Q7072-Q7075
Q7016-Q7018
Q7068-Q7071
Q7088-Q7091
PADL DWX3553-
(DNP2740-B)

11.14 PADR ASSY

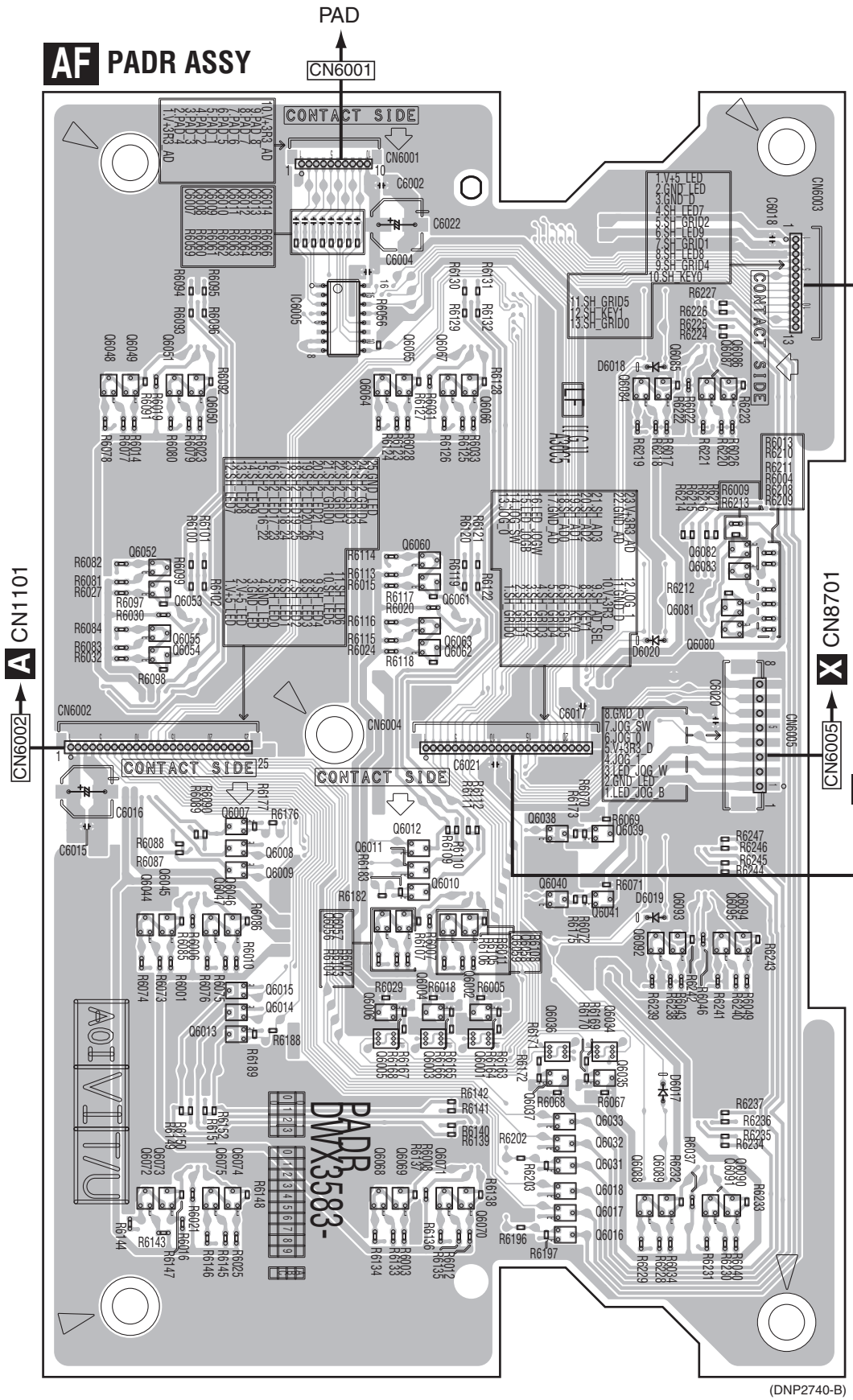
SIDE A

SIDE A

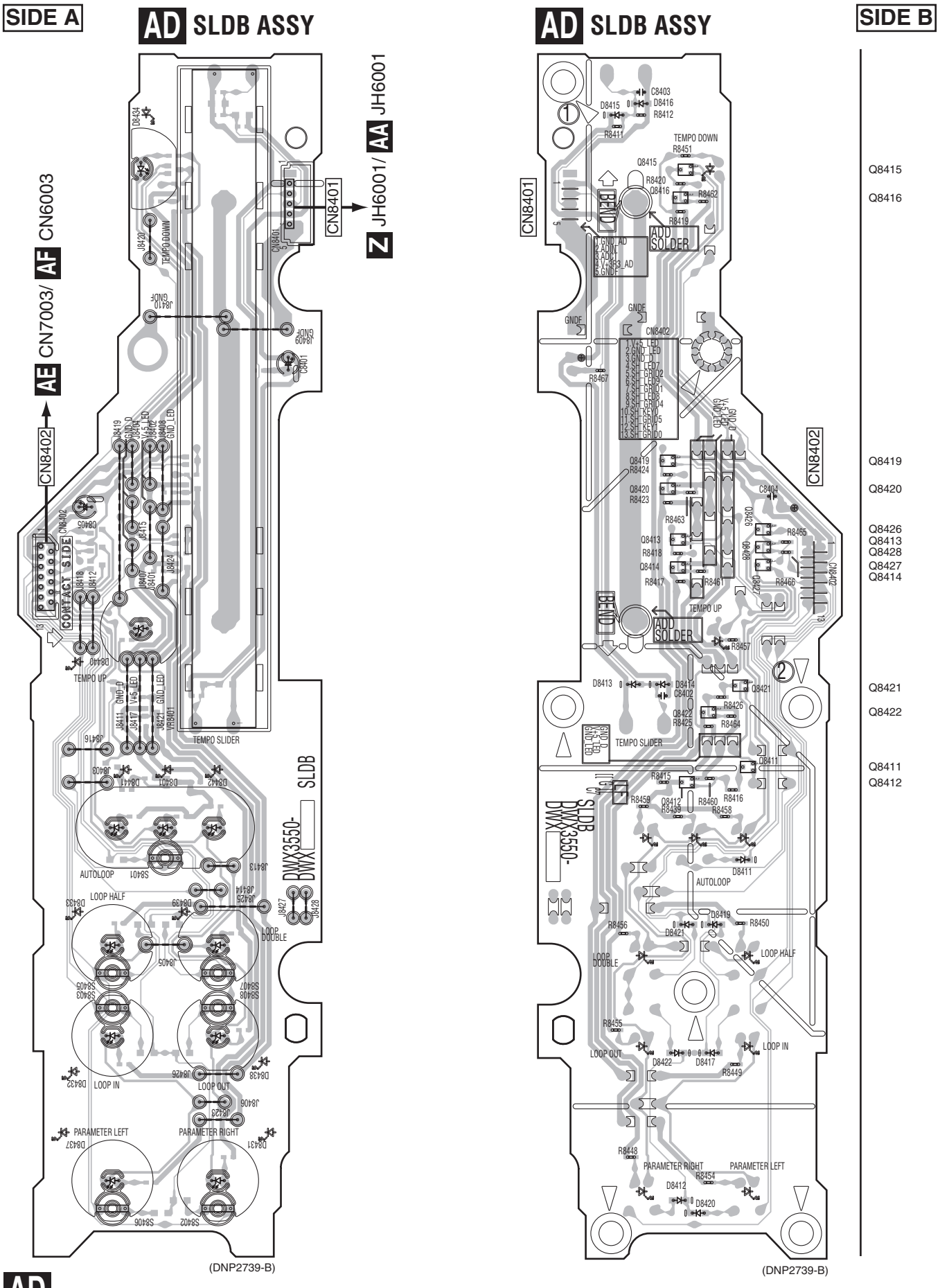
AF PADR ASSY



(DNP2740-B)


AF PADR ASSY
PAD
CN6001
CONTACT SIDE
CN6002
CN6003
CN6004
CN6005
CN6006
CN6004
CN1101
CN8402
CN8701
CN1102
IC6005
Q6048-Q6051
Q6064-Q6067
Q6084-Q6087
Q6080-Q6083
Q6060-Q6063
Q6052-Q6055
Q6038
Q6039
Q6007-Q6009
Q6010-Q6012
Q6040
Q6041
Q6044-Q6047
Q6056-Q6059
Q6092-Q6095
Q6013-Q6015
Q6004-Q6006
Q6034-Q6037
Q6031-Q6033
Q6072-Q6075
Q6016-Q6018
Q6068-Q6071
Q6088-Q6091
PADR-DWX3583-A
(DNP2740-B)

11.15 SLDB ASSY



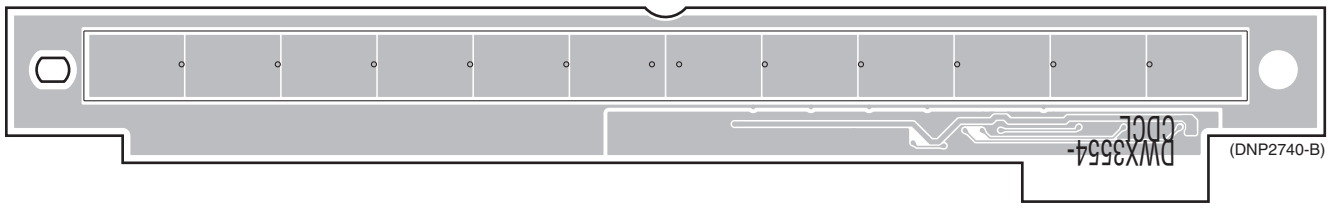
AD

11.16 CDCL and CDCR ASSYS

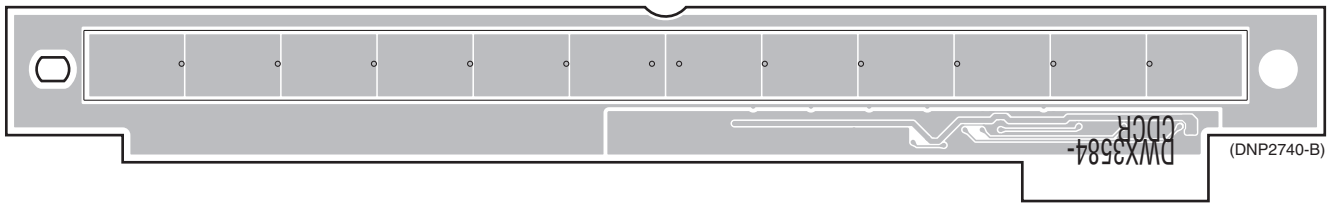
SIDE A

SIDE A

AG CDCL ASSY



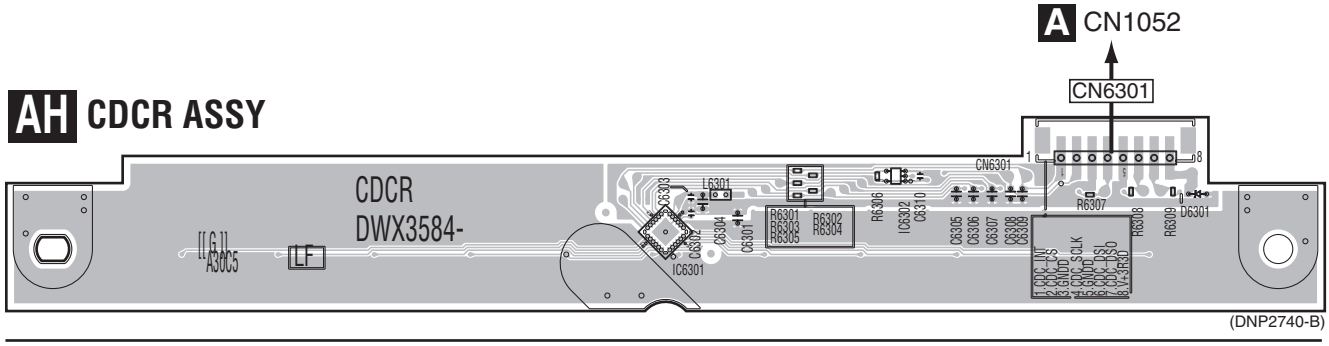
AH CDCR ASSY



SIDE B

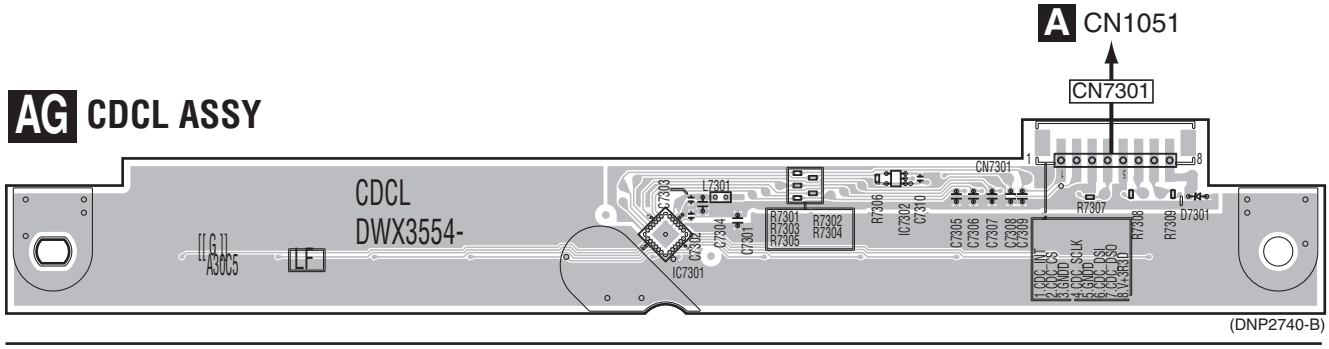
SIDE B

AH CDCR ASSY



IC6301

AG CDCL ASSY



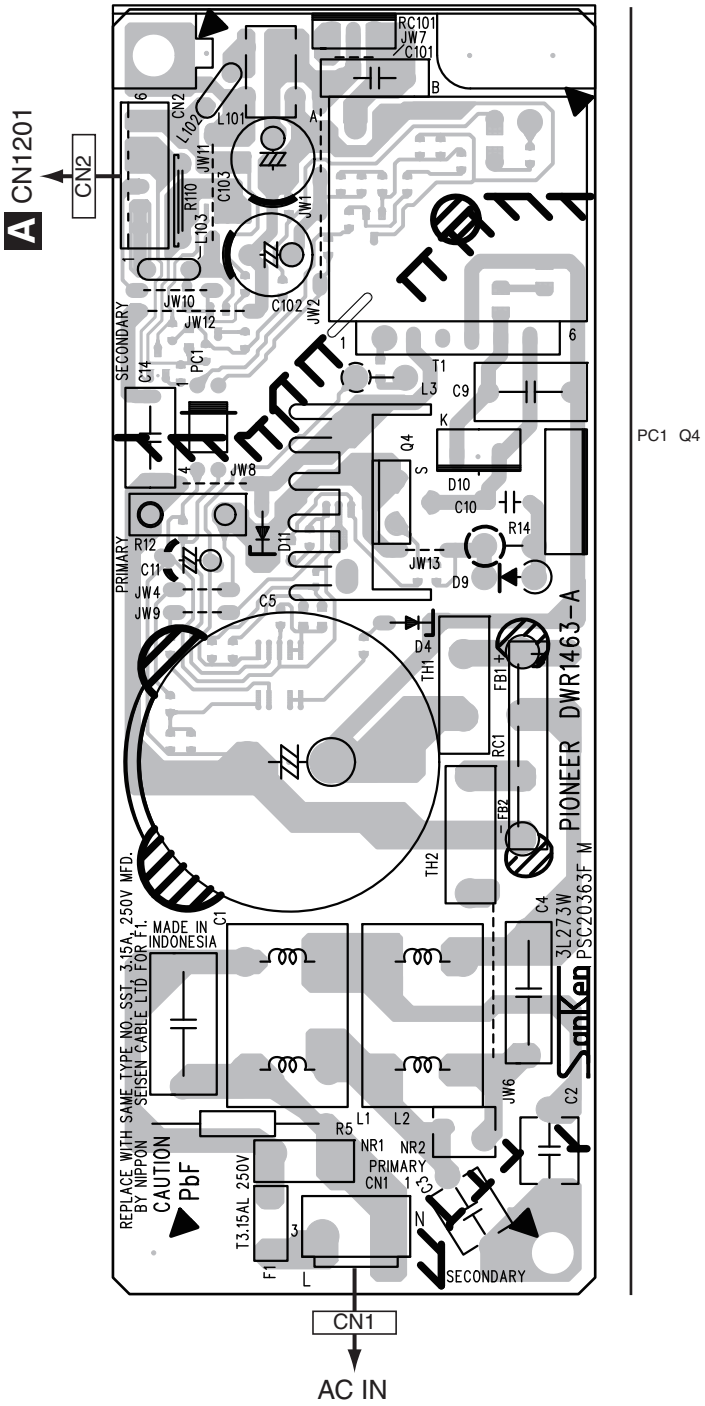
IC7301

AG AH

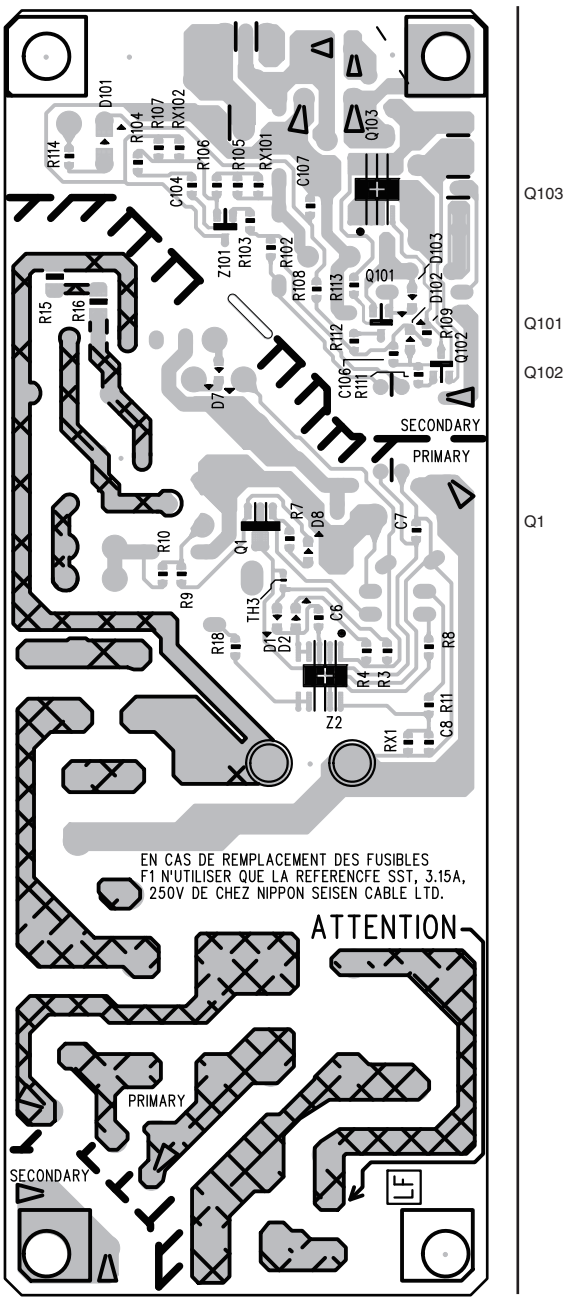
11.17 POWER SUPPLY ASSY

SIDE A **SIDE B**

AJ POWER SUPPLY ASSY



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 ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
● *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

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

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

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

5.62 kΩ	→	*562 × 10¹*	→	*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:	**Overlapped numbers**
MAIN (DWX3535) - DEUP (DWX3548) - PADR (DWX3583)	6,000s
USBB (DWX3555) - HPJK (DWX3538)	3,900s

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
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
NSP	1	..SUB ASSY	DWM2521
	2	..MXRB ASSY	DWX3544
	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
	2	..JLR4 ASSY	DWX3564
NSP	1	..MIXER ASSY	DWM2524
	2	..MXRA ASSY	DWX3543
	2	..JOGTL ASSY	DWX3551
	2	..PSWB ASSY	DWX3560
	2	..JOGTR ASSY	DWX3565
NSP	1	..DECK ASSY	DWM2522
	2	..DEUP ASSY	DWX3548
	2	..KSWB ASSY	DWX3549
	2	..SLDB ASSY	DWX3550
	2	..JOGR ASSY	DWX3552
NSP	1	..DECKR ASSY	DWM2529
	2	..KSWB ASSY	DWX3549
	2	..SLDB ASSY	DWX3550
	2	..JOGR ASSY	DWX3552
	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
	1	..CROSS FADER ASSY	DXA2257
NSP	2	..CRFD ASSY	DWX3258
⚠	1	..POWER SUPPLY ASSY	DWR1463

A MIAN ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
⚠		IC 1201,1406,3405	NJM2831F33
⚠		IC 1202	NJM2392M
⚠		IC 1203,1205	BD9328EFJ
⚠		IC 1204	BD9329EFJ
⚠		IC 1206	NJM2886DL3-33
⚠		IC 1401	NJM78M15DL1A
⚠		IC 1402	NJM79M15DL1A
⚠		IC 1403,1405	BD9851EFV
⚠		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.
	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

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

Mark	No.	Description	Part No.

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

Mark	No.	Description	Part No.
CAPACITORS			
C	1001-1004,1015,1016		CKSRYB104K25
C	1005-1014,1017-1023		CKSSYB104K10
C	1028,1029,1031-1033		CKSSYB104K10
C	1030,1034,1221		CKSRYB104K50
C	1035-1038,1224-1227		CKSSYB104K10
C	1047,1048,1419,1420		CKSSYB102K50
C	1201		CCH1680
C	1202		CFTLA474J50
C	1203,1207,1414,1423		DCH1263
C	1205,1208,1239,3610		CKSSYB103K25
C	1209,1223,1233-1235		CKSSYB104K16
C	1210,1240,1277,1283		CCG1218
C	1213,1477,1480-1482		CEVW101M25
C	1214,1230-1232,1432		CCG1236
C	1215,1229,1409,1410		CKSRYB104K25
C	1216,1220,1236-1238		CCSSCH102J50
C	1217,2240,2639,3004		CCSSCH101J50
C	1218		CCSSCH151J50
C	1222		CEVW101M50
C	1228,1286,1291,1643		CKSSYB103K16
C	1241-1243,1247,1251		CKSSYB104K10
C	1244-1246,1265,1467		CKSSYB104K16
C	1249		CKSSYB223K16
C	1250,6067		CKSSYB473K16
C	1255,1256,1260,1264		CKSSYB104K10
C	1259,1261,1262,1287		CCSSCH102J50
C	1263,1266,1267,1270		CCG1192
C	1269,1272,1273,3426		CCH1565
C	1274		CKSRYB334K10
C	1278,1288,1293,1474		CKSRYB105K10
C	1284,1289,1468		CCG1218
C	1285,1290,1460,1617		CKSSYB104K10
C	1292,1437,1440,1476		CCSSCH102J50
C	1401,1421,1425,1426		CKSRYB105K16
C	1403,1444		CKSRYB334K25
C	1404		CKSYB225K25
C	1405,1433		CCSSCH271J50
C	1407		CKSSYB332K50
C	1411,1412,1435,1439		CKSQYB105K25
C	1416,1417		CKSRYB103K50
C	1418		CCSSCH221J50
C	1424,1459		CKSYB105K16
C	1429,1466		CKSSYB682K25
C	1431,1434,1603-1606		CKSRYB104K25
C	1436		CCG1236
C	1438,1441		CEVW470M25
C	1442,1456,1461,1462		CKSRYB105K16
C	1446		CKSSYB472K50
C	1451		CFHXSQ103J16
C	1453,1458		DCH1263
C	1455		CCSSCH561J50
C	1469,1475,2002,2006		CCG1192
C	1472,2211,6025,6036		CKSSYB104K16
C	1478,3242		CKSRYB105K10
C	1479		CCSSCH102J50
C	1483		CCH1961
C	1601,1602,1801,1802		CEVW101M25
C	1607-1610,1807-1810		CEVW101M16
C	1611-1614,1640,1642		CKSRYB103K25

Mark	No.	Description	Part No.
C	1615,1616,1619,1620		CEVW220M6R3
C	1618,1625,1626,1629		CKSSYB104K10
C	1627,1628,1637,1638		CCH1998
C	1630,1635,1636,1817		CKSSYB104K10
C	1631-1634,1831-1834		CKSSYB102K50
C	1639,1641,1645,1647		CCSRCH102J50
C	1644,1843,1844,2011		CKSSYB103K16
C	1646,1648,1811-1814		CKSRYB103K25
C	1803-1806,3810,3811		CKSRYB104K25
C	1815,1816,1819,1820		CEVW220M6R3
C	1818,1825,1826,1829		CKSSYB104K10
C	1827,1828,1837,1838		CCH1998
C	1830,1835,1836,2003		CKSSYB104K10
C	1839,1841,1845,1847		CCSRCH102J50
C	1840,1842,1846,1848		CKSRYB103K25
C	2004,2005		CEVW220M16
C	2007,2009,2201,2202		CKSSYB104K10
C	2008,2247,2257,2258		CCG1192
C	2010,2241,2245,2246		CKSSYB102K50
C	2012,2212-2215		CKSSYB103K16
C	2203,2204,2603,2604		CEVW470M6R3
C	2207,2208,2237,2243		CKSSYB104K10
C	2209,2210,2216-2218		CKSSYB471K50
C	2219-2226,2228,2230		CKSSYB103K16
C	2227,2229,2231,2244		CKSSYB471K50
C	2232-2236,2238,2239		CKSSYB103K16
C	2242,2249,2250		CKSSYB103K16
C	2248,2251,2252,2256		CKSSYB471K50
C	2253-2255,2265-2267		CKSSYB104K10
C	2259-2261,2275,2276		CKSSYB102K50
C	2262-2264,2611-2614		CKSSYB103K16
C	2268-2270,2646,2656		CCG1192
C	2273,2601,2602,2607		CKSSYB104K10
C	2285,2677,3205,3677		CEVW101M16
C	2294,2312,2609,2610		CKSSYB471K50
C	2608,2636,2642		CKSSYB104K10
C	2615-2617,2626,2628		CKSSYB471K50
C	2618-2625,2627,2629		CKSSYB103K16
C	2630,2643,2647,2650		CKSSYB471K50
C	2631-2635,2637,2638		CKSSYB103K16
C	2640,2644,2645		CKSSYB102K50
C	2641,2648,2649		CKSSYB103K16
C	2651,2655,2658,2678		CKSSYB471K50
C	2652-2654,2665-2667		CKSSYB104K10
C	2657,2668-2670,3244		CCG1192
C	2659-2661,2675,2676		CKSSYB102K50
C	2662-2664,3002,3208		CKSSYB103K16
C	2673,2683,2684,3001		CKSSYB104K10
C	3003,3009,3214,3216		CKSSYB102K50
C	3005,3007,3010,3201		CKSSYB104K10
C	3006		CCSSCH100D50
C	3008		CCSSCH8R0D50
C	3012,3013,3016,3018		CKSRYB104K16
C	3014,3015,3017,3019		CKSRYB102K50
C	3202,3204,3207,3401		CKSSYB104K10
C	3203,6017		CEVW470M6R3
C	3206,3209,6001-6016		CKSSYB471K50
C	3210-3213,3215,3217		CKSSYB103K16
C	3218,3220,3222,3224		CKSSYB102K50

Mark	No.	Description	Part No.
	C	3219,3221,3223,3225	CKSSYB103K16
	C	3226,3228,3230,3232	CKSSYB102K50
	C	3227,3229,3231,3233	CKSSYB103K16
	C	3234,3236,3238,3403	CKSSYB102K50
	C	3235,3237,3239,3241	CKSSYB103K16
	C	3240,3404-3407	CCSSCH101J50
	C	3245-3251,3402,3415	CKSSYB103K16
	C	3408-3410,3603,3606	CKSSYB102K50
	C	3411-3413,3416-3420	CKSSYB104K10
	C	3422,3602,3605,3609	CKSSYB104K10
	C	3601,3608,3619,3627	CCH1565
	C	3614,3620,6023	CKSSYB102K50
	C	3615,3618,3621,3669	CKSSYB104K10
	C	3616,3631,3633,3671	CCSRCH102J50
	C	3617,3632,3634,3672	CKSRYB103K25
	C	3622,3624,3665,3815	CKSSYB103K16
	C	3667,3816	CEVW220M6R3
	C	3675,3817,3820,6066	CKSSYB104K10
	C	3801,3802,3821,6056	CEVW101M16
	C	3803,3804	CCSRCH272J50
	C	3805,3806	CCSRCH471J50
	C	3807,3808	CCSRCH220J50
	C	3809,3818	CCSRCH102J50
	C	3812,3819	CKSRYB103K25
	C	3813,3814	CEVW100M50
	C	6030	CKSSYB103K16
	C	6031,6034	CCSSCH6R0D50
	C	6037	CKSSYB104K16
	C	6038-6041,6062-6065	CKSSYB102K50
	C	6055	CKSRYB104K16
	C	6057	CKSSYB471K50
	C	6068	CKSSYB103K25
	C	6069,6070	CKSSYB102K50

B AIJK ASSY

SEMICONDUCTORS

	IC	101,301,501	NJM4580MD
	IC	102,302	NJM4580D
	IC	103,104,303,304	NJM2121MD
	IC	502	NJM4565MD
	Q	101-104,301-304	2SK209
	Q	105,305	LTC114EUB
	Q	501,502	2SK209
	D	501-504	UDZS15(B)
	D	505	DZ2S180C

MISCELLANEOUS

	JA	101,302 JACK	DKB1083
	JA	102,301 JACK	DKB1103
	JA	501 CANON CONNECTOR	DKB1108
	JA	502 6.5 DIA JACK	DKN1653
	VR	501,502 ROTARY VR	DCS1131
	0	MIC SHIELD	DNF1849
	0	PHONE SHIELD	DNF1875
	JP	101,102 CRIMP CONNECTOR	PF15PG-R07

RESISTORS

	R	101,102,105,106	RS1/10SR1000D
	R	103,104,307,308	RN1/16SE1000D
	R	107,108,111,112	RS1/10SR2200D
	R	109,110,313,314	RN1/16SE2200D
	R	113,114,117,118	RS1/10SR1003D
	R	115,116,319,320	RN1/16SE1003D
	R	119,120,123,124	RS1/10SR9102D
	R	121,122,325,326	RN1/16SE9102D
	R	131,132,156,157	RS1/10SR1801D
	R	133,134,158,159	RN1/16SE1601D
	R	135,137,139,140	RN1/16SE1501D
	R	136,138,340,342	RN1/16SE2401D
	R	143,144,147,148	RS1/10SR2700D
	R	149,150,349,350	RN1/16SE7501D
	R	151,351	RS1/8SQ0R0J
	R	154,155,317,318	RS1/10SR1003D
	R	301-304	RS1/10SR2700D
	R	305,306,309,310	RS1/10SR1000D
	R	311,312,315,316	RS1/10SR2200D
	R	321,322,354,355	RS1/10SR1003D
	R	323,324,327,328	RS1/10SR9102D
	R	335,336,356,357	RS1/10SR1801D
	R	337,338,358,359	RN1/16SE1601D
	R	339,341,343,344	RN1/16SE1501D
	R	505,506,511,513	RN1/16SE1000D
	R	507,508	RN1/16SE2200D
	R	509,510,524	RN1/16SE1002D
	R	512	RS1/10SR1202D
	R	514,519	RN1/16SE4701D
	R	515,518	RN1/16SE1501D
	R	516	RS1/10SR8200D
	R	517	RN1/16SE9101D
	R	520	RS1/10SR1500D
	R	521	RN1/16SE1003D
	R	522	RS1/10SR3300D
	R	523	RN1/16SE1202D
	R	525-528	RS1/10SR1003D
	R	529,530	RS1/10SR3900D
	R	531,532	RN1/16SE3900D
	R	533,534	RS1/10SR2200D
	Other Resistors		RS1/10SR###J

CAPACITORS

	C	101-106,301-306	CCSRCH102J50
	C	107-112,307-312	CCSRCH101J50
	C	113-118,313-318	CEAT101M16
	C	121,122,321,322	CCSRCH471J50
	C	123,126,137,142	CEAT101M25
	C	124,125,135,136	CKSRYB104K25
	C	127,128,327,328	CKSRYB223K50
	C	129,131,329,331	CCSRCH331J50
	C	130,132,330,332	CEAT221M10
	C	133,134,333,334	CFTLA103J50
	C	138-141,146,147	CKSRYB104K25
	C	143,343	CKSRYB104K16
	C	144,145,337,342	CEAT101M25
	C	324,325,335,336	CKSRYB104K25
	C	338-341,524,525	CKSRYB104K25
	C	344,345	CEAT101M25
	C	504,505	CFTLA103J50
	C	512,513	CCSRCH102J50
	C	514	CKSRYB471K50
	C	515,517,522,523	CCSRCH471J50

Mark	No.	Description	Part No.
C	516		CCSRCH222J50
C	518,526-529		CEAT101M16
C	519		CKSRYB103K50
C	520		CCSRCH331J50
C	521		CKSRYB331K50
C	530,531		CKSRYB104K25

C AOJK ASSY

SEMICONDUCTORS

IC	701,702,705,901		NJM4580MD
IC	703,704,902,903		NJM4580D
Q	701,702		LTA114EUB
Q	703-716,901-904		INC2002AC1
Q	905-908		2SK209
Q	909-912		INC2002AC1
D	711-714,902-905		DZ2S180C
D	901		DA2J101

MISCELLANEOUS

JA	701,702	CANON CONNECTOR	DKB1093
JA	703	PIN JACK(2P)	AKB7181
JA	901,902	6.5 DIA JACK	DKN1653
	0	CANON SHIELD	DNF1789
	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

R	705-712		RS1/10SR6801D
R	713-720,729-736		RN1/16SE6802D
R	721-728		RS1/10SR6201D
R	737-744,777-784		RS1/10SR5601D
R	745-752,757-764		RS1/8SQ1800F
R	769-772		RS1/8SQ2200F
R	773-776		RS1/10SR1002D
R	785,786		RS1/10SR1001D
R	787-794		RN1/16SE6801D
R	795,796		RS1/10SR1102D
R	797,798		RN1/16SE2702D
R	799,800		RS1/10SR6800D
R	801-804,932-935		RD1/2VM331J
R	805-808,936-939		RS1/10SR2201D
R	815-818		RD1/2VM100J
R	901,902		RS1/10SR5601D
R	903,904,907,908		RN1/16SE7502D
R	905,906		RS1/10SR5101D
R	909,910		RS1/10SR4701D
R	912-919		RS1/10SR3301D
R	924-931		RN1/16SE1102D
	Other Resistors		RS1/10SR###J

CAPACITORS

C	701-704		CCSRCH102J50
C	705-708		CCSRCH221J50
C	709-716		CCSRCH200J50
C	717,721		ACH1482
C	718-720,722,729		CKSRYB104K25
C	727,740		CEHAZL101M25
C	730,731,736,737		CCSRCH101J50
C	732,735,738,743		CKSRYB104K25
C	741,750		CEHAT101M25
C	744,910,911		CKSRYB104K25
C	746-749,918-921		CCSRCH101J50
C	751-754		ACH1480
C	755,756,932-935		CEAT101M16
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

D HPLK ASSY

SEMICONDUCTORS

IC	3901		NJM4580MD
Q	3901,3902		2SK209
Q	3903,3904		INC2002AC1
Q	3905,3907		KTC3209
Q	3906,3908		KTA1281

MISCELLANEOUS

JA	3901	HEADPHONE JACK	DKN1622
JA	3902	STEREO MINI JACK	XKN3017
	2	PHONE SHIELD	DNF1875
JP	3901	CRIMP CONNECTOR	PF09PG-R10

RESISTORS

R	3901,3902		RS1/10SR1002D
R	3903,3904		RN1/16SE1002D
R	3910,3912		RS1/8SQ680J
R	3913,3914		RS1/10SR1001D
R	3915-3918		RS1LMF390J
	Other Resistors		RS1/10SR###J

CAPACITORS

C	3902,3903		CCSRCH391J50
C	3904,3907,3910,3915		CEAT101M16
C	3905,3906,3911-3914		CKSRYB104K25
C	3916,3917		CEANP471M6R3
C	3918,3919		CFTLA224J50
C	3920		CFTLA103J50

E USBB ASSY

MISCELLANEOUS

L	3901,3951	COIL	ATH7015
L	3903,3952	CHIP SOLID INDUCTOR	QTL1013
L	3904,3954	INDUCTOR	CTF1793
L	3953,3993	CHIP SOLID INDUCTOR	QTL1013
JA	3901,3951	USB CONNECTOR	DKN1237
KN	3901,3951	WRAPPING TERMINAL	CKF1089
CN	3901	L-PLUG(10P)	KM200NA10L

CAPACITORS

C	3903,3955		CCSSCH470J50

Mark	No.	Description	Part No.

F FAD1 ASSY

MISCELLANEOUS

	VR	9021 SLIDE VR	DCV1027
	CN	9021 PLUG(3P)	KM200NA3R

G FAD2 ASSY

MISCELLANEOUS

	VR	9031 SLIDE VR	DCV1027
	CN	9031 PLUG(3P)	KM200NA3E

H FAD3 ASSY

MISCELLANEOUS

	VR	9011 SLIDE VR	DCV1027
	CN	9011 PLUG(3P)	KM200NA3

I FAD4 ASSY

MISCELLANEOUS

	VR	9041 SLIDE VR	DCV1027
	CN	9041 PLUG(3P)	KM200NA3Y

J MXRA ASSY

SEMICONDUCTORS

	IC	4501-4503	TC74HC4052AFT
	IC	4504	NJM12903V
	Q	4002-4005	LTC123JUB
	Q	4006-4014	LSCR523UB
	Q	4015,4017,4019,4021	LTC124EUB
	Q	4016,4018,4020,4022	2SB1689
	Q	4023,4025,4502-4505	LTC124EUB
	Q	4024,4026	2SB1689
	Q	4501	LTA143EUB
	D	4002,4005,4016-4018	SLI-343U8R(HJK)
	D	4003,4004,4009-4014	SLI-343M8G(GHJ)
	D	4006-4008,4015	SLI-343YYW(TUV)
	D	4019-4021,4028	SLI-343YYW(TUV)
	D	4022-4027,4035-4040	SLI-343M8G(GHJ)
	D	4029-4031,4041-4043	SLI-343U8R(HJK)
	D	4032-4034,4044-4046	SLI-343YYW(TUV)
	D	4047-4052,4059-4064	SLI-343M8G(GHJ)
	D	4053-4055,4068	SLI-343U8R(HJK)
	D	4056-4058,4065	SLI-343YYW(TUV)
	D	4066,4067,4072-4077	SLI-343M8G(GHJ)
	D	4069-4071,4078-4080	SLI-343YYW(TUV)
	D	4081-4084	SLI-343M8G(GHJ)
	D	4501-4521	DA2J101

MISCELLANEOUS

	VR	4501-4506 ROTARY VR	DCS1126
	VR	4507,4508,4510-4512 ROTARY VR	DCS1104
	VR	4509,4513,4514 POTENTIONETER	DCS1065
	VR	4515,4520 ROTARY VR	DCS1104
	VR	4516-4519 POTENTIONETER	DCS1065
	VR	4521-4527 POTENTIONETER	DCS1065
	S	4501,4504,4513 SLIDE SWITCH	DSH1058
	S	4502,4503,4505,4506 TACT SWITCH	DSG1079
	S	4507,4510 SLIDE SWITCH	DSH1066
	S	4508,4509,4511,4512 TACT SWITCH	DSG1079
	S	4514-4518 TACT SWITCH	DSG1079
	CN	4001 25P CONNECTOR	VKN1256
	CN	4002 23P CONNECTOR	VKN1254
	CN	4501 3P JUMPER CONNECTOR	52147-0310

RESISTORS

		All Resistors	RS1/10SR###J

CAPACITORS

	C	4001,4002	CEJQ101M16
	C	4003,4004,4008	CKSRYB104K16
	C	4006	CEJQ470M6R3
	C	4010-4015,4513-4518	CKSRYB104K16
	C	4519-4530,4538	CKSRYB471K50
	C	4531,4534,4535,4544	CKSRYB104K16
	C	4541-4543,4545-4552	CKSRYB471K50
	C	4553-4575	CKSRYB104K16

K MXRB ASSY

SEMICONDUCTORS

	IC	7801	TC74HC4052AFT
	IC	7802	TC4053BFT
	Q	7801,7803,7805,7807	LTC124EUB
	Q	7802,7806,7808,7812	LSAR523UB
	Q	7804,7810	2SA1577
	Q	7809,7811	LTC124EUB
	Q	7813,7814	LSCR523UB
	Q	7825-7832	LSAR523UB
	D	7801,7802,7807,7808	SLR343BD2T(NP)
	D	7803,7804,7809,7810	SLI-343YYW(TUV)
	D	7805,7806,7811,7812	SLI-343U8R(HJK)
	D	7813-7842	DA2J101
	D	7843-7846	SLI-343YYW(TUV)

MISCELLANEOUS

	VR	7801 POTENTIONETER	DCS1065
	VR	7802,7803 ROTARY VR	DCS1104
	VR	7804 ROTARY VR	DCS1125
	S	7801,7802,7804,7805 TACT SWITCH	DSG1079
	S	7803,7806,7809 SLIDE SWITCH	DSH1058
	S	7807,7808,7810,7811 TACT SWITCH	DSG1079
	S	7812,7815 SLIDE SWITCH	DSH1058
	S	7813,7814,7816,7817 TACT SWITCH	DSG1079
	CN	7801 27P CONNECTOR	VKN1258
	CN	7802 PLUG(3P)	KM200NA3
	CN	7803 PLUG(3P)	KM200NA3R
	CN	7804 PLUG(3P)	KM200NA3E
	CN	7805 PLUG(3P)	KM200NA3Y

RESISTORS

		All Resistors	RS1/10SR###J

MISCELLANEOUS

	JH	7801 CRIMP CONNECTOR	PF03PG-R15
	JH	7802,7803 3P CABLE HOLDER	51048-0300
	JP	7802,7803 3P JUMPER WIRE	D20PDY0310E

CAPACITORS

	C	7801,7808-7819	CKSRYB104K16
	C	7804-7807	CKSRYB471K50
	C	7821-7823	CEJQ470M6R3

Mark	No.	Description	Part No.

L CRFCV ASSY

MISCELLANEOUS

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		RS1/10SR###J

MISCELLANEOUS

JP	7401	CRIMP CONNECTOR	PF11PG-R42

CAPACITORS

C	7401		CEAT101M6R3
C	7402-7404,7412-7414		CKSRYB104K16
C	7405		CEAT470M35
C	7406,7407		CKSRYB104K50
C	7408-7411		CCSRCH101J50

N JFLR ASSY

SEMICONDUCTORS

Q	7601,7602		KTC3198

MISCELLANEOUS

V	7601	VFD	DEL1073
	0	STAY/FL	DNF1934

RESISTORS

	All Resistors		RS1/10SR###J

MISCELLANEOUS

JP	7601	CRIMP CONNECTOR	PF11PG-R42

CAPACITORS

C	7601		CEAT101M6R3
C	7602-7604,7612-7614		CKSRYB104K16
C	7605		CEAT470M35
C	7606,7607		CKSRYB104K50
C	7608-7611		CCSRCH101J50

O JLL1 ASSY

SEMICONDUCTORS

Q	9211-9214		LSAR523UB
D	9211		SLR343BD2T(NP)
D	9212		SLR343WBC7T(MN)

MISCELLANEOUS

CN	9211	L-PLUG(3P)	KM200NA3L

RESISTORS

	All Resistors		RS1/10SR###J

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		RS1/10SR###J

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		RS1/10SR###J

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		RS1/10SR###J

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		RS1/10SR###J

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.
		RESISTORS	
		All Resistors	RS1/10SR###J
		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

Mark	No.	Description	Part No.
		VA 8701,8702 SMD VARISTOR	EZJZ1V80010
		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.

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
CN	8201	15P CONNECTOR	VKN1246

RESISTORS

All Resistors		RS1/10SR###J

CAPACITORS

C	8201,8204	CKSRYB104K16
C	8205	CEJQ470M6R3

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

CAPACITORS

C	8401,8405	CEJQ470M6R3
C	8402,8403	CKSRYB392K50
C	8404	CKSRYB104K16

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.
	R	7088,7089,7094,7095	RS1/16SS0R0J
	R	7100,7101,7110,7111	RS1/16SS0R0J
	R	7120,7121,7130,7131	RS1/16SS0R0J
	R	7140,7141,7150,7151	RS1/16SS0R0J
	R	7163,7165,7167,7169	RS1/16SS152J
	R	7164,7166,7168,7170	RS1/16SS103J
	R	7171	RS1/16SS152J
	R	7172	RS1/16SS103J
	R	7173,7175	RS1/16SS182J
	R	7176,7182,7188,7196	RS1/16SS0R0J
	R	7202,7215,7216,7225	RS1/16SS0R0J
	R	7226,7235,7236,7245	RS1/16SS0R0J
	R	7246	RS1/16SS0R0J
	Other Resistors		RS1/10SR###J

CAPACITORS

	C	7002,7004,7020,7021	CKSSYB104K10
	C	7007-7014	CKSSYB103K16
	C	7016,7022	CEVW101M16

AF PADR ASSY

SEMICONDUCTORS

	IC	6005	BU4551BF
	Q	6001,6003,6005,6034	RN1903
	Q	6002,6004,6006,6035	2SB1689
	Q	6007-6018,6031-6033	LTC123JUB
	Q	6036	RN1903
	Q	6037	2SB1689
	Q	6038,6040	LTC124EUB
	Q	6039,6041	ISA1602AM1
	Q	6044-6075,6080-6095	LSAR523UB
	D	6001-6011,6014	SMLVN6RGB2UK(B)
	D	6017-6020	DA2J101

MISCELLANEOUS

	S	6001-6004 TACT SWITCH	DSG1134
	CN	6001 10P CONNECTOR	VKN1414
	CN	6002 25P CONNECTOR	VKN1429
	CN	6003 13P CONNECTOR	VKN1417
	CN	6004 23P CONNECTOR	VKN1427

RESISTORS

	R	6005,6018,6029	RS1/16SS563J
	R	6056	RS1/16SS473J
	R	6059-6066	RS1/16SS3301D
	R	6067-6069,6071	RS1/16SS563J
	R	6070,6072	RS1/16SS223J
	R	6088,6089,6094,6095	RS1/16SS0R0J
	R	6100,6101,6110,6111	RS1/16SS0R0J
	R	6120,6121,6130,6131	RS1/16SS0R0J
	R	6140,6141,6150,6151	RS1/16SS0R0J
	R	6163,6165,6167,6169	RS1/16SS152J
	R	6164,6166,6168,6170	RS1/16SS103J
	R	6171	RS1/16SS152J
	R	6172	RS1/16SS103J
	R	6173,6175	RS1/16SS182J
	R	6176,6182,6188,6196	RS1/16SS0R0J
	R	6202,6215,6216,6225	RS1/16SS0R0J
	R	6226,6235,6236,6245	RS1/16SS0R0J
	R	6246	RS1/16SS0R0J
	Other Resistors		RS1/10SR###J

Mark	No.	Description	Part No.

CAPACITORS

	C	6002,6004,6020,6021	CKSSYB104K10
	C	6007-6014	CKSSYB103K16
	C	6016,6022	CEVW101M16

AG CDCL ASSY

SEMICONDUCTORS

	IC	7301	AD7147ACPZ500RL7
	IC	7302	TC7SH08FUS1
	D	7301	DZ2J056M0

MISCELLANEOUS

	L	7301 CHIP SOLID INDUCTOR	XTL3010

RESISTORS

	All Resistors		RS1/16SS###J

CAPACITORS

	C	7302	CKSSYB103K16
	C	7303,7310	CKSSYB104K16
	C	7304	CCG1192
	C	7305	CCSRCH221J50
	C	7309	CCSRCH101J50

AH CDCR ASSY

SEMICONDUCTORS

	IC	6301	AD7147ACPZ500RL7
	IC	6302	TC7SH08FUS1
	D	6301	DZ2J056M0

MISCELLANEOUS

	L	6301 CHIP SOLID INDUCTOR	XTL3010

RESISTORS

	All Resistors		RS1/16SS###J

CAPACITORS

	C	6302	CKSSYB103K16
	C	6303,6310	CKSSYB104K16
	C	6304	CCG1192
	C	6305	CCSRCH221J50
	C	6309	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.