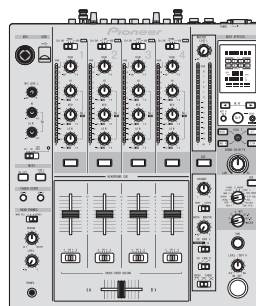


Pioneer

Service Manual



DJM-750-K

ORDER NO.
RRV4457

DJ MIXER

DJM-750-K

DJM-750-S

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

Model	Type	Power Requirement	Remarks
DJM-750-K, DJM-750-S	SYXJ8	AC 220 V to 240 V	
DJM-750-K, DJM-750-S	UXJCB	AC 120 V	
DJM-750-K, DJM-750-S	LXJ	AC 110 V to 120 V or 220 V to 240 V	
DJM-750-K, DJM-750-S	KXJ5	AC 220 V	
DJM-750-K, DJM-750-S	XJCN5	AC 220 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
©PIONEER CORPORATION 2013

K-MZV MAY 2013 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

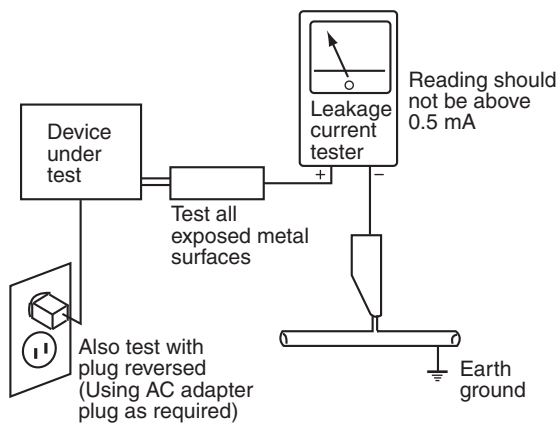
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120 V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

CONTENTS

SAFETY INFORMATION.....	2
1. SERVICE PRECAUTIONS.....	5
1.1 NOTES ON SOLDERING.....	5
1.2 NOTES ON REPLACING.....	5
1.3 NOTES ON SERVICING.....	5
2. SPECIFICATIONS.....	6
3. BASIC ITEMS FOR SERVICE.....	7
3.1 CHECK POINTS AFTER SERVICING.....	7
3.2 JIGS LIST.....	7
3.3 PCB LOCATIONS.....	8
4. BLOCK DIAGRAM.....	10
4.1 OVERALL WIRING DIAGRAM.....	10
4.2 SYSTEM BLOCK DIAGRAM.....	12
4.3 DSP BLOCK DIAGRAM.....	14
4.4 CLOCK MAP.....	16
4.5 LED, KEY, VR ASSIGNMENTS.....	18
4.6 POWER BLOCK DIAGRAM.....	19
5. DIAGNOSIS.....	20
5.1 POWER ON SEQUENCE.....	20
5.2 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL.....	24
5.3 TROUBLESHOOTING.....	25
5.4 POWER SUPPLY DIAGNOSIS INFORMATION.....	37
5.5 VOLTAGE MONITORING CIRCUIT.....	38
5.6 ABOUT POLYSWITCH.....	40
5.7 ABOUT PROTECTOR.....	40
5.8 V+34D DIAGNOSIS.....	41
5.9 ERROR INDICATIONS.....	42
5.10 CONNECTION CHECK WITH EACH INTERFACE.....	43
5.11 DVS CONFIRMATION METHOD.....	44
6. SERVICE MODE.....	48
6.1 TEST MODE.....	48
6.2 ABOUT THE DEVICE.....	63
7. DISASSEMBLY.....	64
8. EACH SETTING AND ADJUSTMENT.....	75
8.1 NECESSARY ITEMS TO BE NOTED.....	75
8.2 UPDATING OF THE FIRMWARE.....	76
8.3 USER SETABLE ITEMS.....	78
8.4 SHEET FOR CONFIRMATION OF THE USER SETTING.....	78
9. EXPLODED VIEWS AND PARTS LIST.....	80
9.1 PACKING SECTION.....	80
9.2 EXTERIOR SECION.....	82
9.3 BOTTOM SECTION.....	84
9.4 CONTROL PANEL SECTION (1/2).....	86
9.5 CONTROL PANEL SECTION (2/2).....	88
10. SCHEMATIC DIAGRAM.....	90
10.1 INPUT ASSY (1/5).....	90
10.2 INPUT ASSY (2/5).....	92
10.3 INPUT ASSY (3/5).....	94
10.4 INPUT ASSY (4/5).....	96
10.5 INPUT ASSY (5/5).....	98
10.6 MIC1 and MTRM ASSYS.....	100
10.7 MAIN ASSY (1/19).....	102
10.8 MAIN ASSY (2/19).....	104
10.9 MAIN ASSY (3/19).....	106
10.10 MAIN ASSY (4/19).....	108

A

B

C

D

E

F

10.11 MAIN ASSY (5/19)	110
10.12 MAIN ASSY (6/19)	112
10.13 MAIN ASSY (7/19)	114
10.14 MAIN ASSY (8/19)	116
10.15 MAIN ASSY (9/19)	118
10.16 MAIN ASSY (10/19)	120
10.17 MAIN ASSY (11/19)	122
10.18 MAIN ASSY (12/19)	124
10.19 MAIN ASSY (13/19)	126
10.20 MAIN ASSY (14/19)	128
10.21 MAIN ASSY (15/19)	130
10.22 MAIN ASSY (16/19)	132
10.23 MAIN ASSY (17/19)	134
10.24 MAIN ASSY (18/19)	136
10.25 MAIN ASSY (19/19)	138
10.26 SEC/HP ASSY (1/2)	140
10.27 SEC/HP ASSY (2/2)	142
10.28 USBI and HPJK ASSYS	144
10.29 PNLA ASSY (1/2)	146
10.30 PNLA ASSY (2/2)	148
10.31 PNLB and FADC ASSYS	150
10.32 FAD1 to FAD4 ASSYS	152
10.33 REG ASSY	153
10.34 TRANS, PRIMARY and ACSW ASSYS	154
10.35 WAVEFORMS	156
11. PCB CONNECTION DIAGRAM	160
11.1 INPUT, MIC1 and MTRM ASSYS	160
11.2 MAIN ASSY	164
11.3 SEC/HP, USBI and HPJK ASSYS	170
11.4 PNLA ASSY	174
11.5 PNLB and FADC ASSYS	178
11.6 FAD1 to FAD4 and REG ASSYS	182
11.7 TRANS, PRIMARY and ACSW ASSYS	184
12. PCB PARTS LIST	188

1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

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

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

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

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

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

1.2 NOTES ON REPLACING

The part listed below is difficult to replace as a discrete component part.

When the part listed in the table is defective, replace whole Assy.

Assy Name	PCB Assy Part No.	Parts that is Difficult to Replace			
		Ref No.	Function	Part No.	Remarks
MAIN Assy	DWX3430	IC1405	13V → 3.3V DC/DC converter	BD9328EFJ	IC with heat-pad
		IC1408	13V → 1.2V DC/DC converter	BD9328EFJ	IC with heat-pad
		IC2603	USB UCOM	ADSP-BF525BBCZ-5A	BGA
		IC3007	FPGA	XC3S50A-4FTG256C	BGA
		IC3201	DSP	D810K013BZKB400	BGA
		IC201	DAC	PCM1691DCA	IC with heat-pad

1.3 NOTES ON SERVICING

VOLTAGE MONITORING

This unit always monitors for power failure and will shut itself off immediately after an error is detected.

A power failure is indicated with flashing of the SETUP LED (Intervals: 250 ms [Lit 125 ms/Unlit 125 ms]).

All the LEDs other than SETUP LED will be unlit, and all the switches and VRs will be disabled.

Repair the unit according to the diagnostic procedures described in "5.4 INFORMATION ON POWER DIAGNOSTICS."

CONFIRMATION OF USER-SETTING

This product has user- and club-setting data. Be sure to confirm those data before starting repair, although changing them may not have a large effect. Use the Check Sheet in "8.4," to which you can transcribe the settings, as required.

The settings are stored in Flash ROM (IC2802) on the MAIN Assy.

To display the [USER SETUP] screen, hold [SETUP (WAKE UP)] pressed for at least 1 sec.

To display the [CLUB SETUP] screen, press [POWER] (ON) while holding [SETUP (WAKE UP)] pressed.

2. SPECIFICATIONS

A General

Power requirements.....	AC 220 V to 240 V, 50 Hz/60 Hz (SYXJ8)
	AC 120 V, 60 Hz (UXJCB)
	AC 110 V to 120 V or 220 V to 240 V, 50 Hz/60 Hz (LXJ)
	AC 220 V, 60 Hz (KXJ5)
	AC 220 V to 240 V, 50 Hz/ 60 Hz (XJCN5)
Power consumption	32 W (SYXJ8)
	30 W (UXJCB)
	32 W (LXJ)
	29 W (KXJ5)
	32 W (XJCN5)
Power consumption (standby)	0.45 W
Main unit weight.....	7.6 kg (17 lb)
Max. dimensions.....	320 mm (W) × 108 mm (H) × 376 mm (D)
	(12.6 in. (W) × 4.3 in. (H) × 14.8 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	96 kHz
MASTER D/A converter.....	24 bits
Other A/D and D/A converters.....	24 bits
Frequency characteristic	
CD/LINE	20 Hz to 20 kHz
S/N ratio (rated output, A-WEIGHTED)	
PHONO	92 dB
CD/LINE	106 dB
MIC.....	84 dB
Total harmonic distortion (20 kHzBW)	
CD/LINE — MASTER1	0.004 %
Standard input level / Input impedance	
PHONO	−52 dBu/47 kΩ
CD/LINE	−12 dBu/47 kΩ
MIC.....	−52 dBu/8.5 kΩ
RETURN.....	−12 dBu/49 kΩ
Standard output level / Load impedance / Output impedance	
MASTER1	+6 dBu/10 kΩ/360 Ω or lower
MASTER2.....	+2 dBu/10 kΩ/390 Ω or lower
REC OUT	−8 dBu/10 kΩ/22 Ω or lower
BOOTH.....	+2 dBu/10 kΩ/390 Ω or lower
SEND.....	−12 dBu/10 kΩ/390 Ω or lower
PHONES	+8.5 dBu/32 Ω/10 Ω or lower
Rated output level / Load impedance	
MASTER1.....	+24 dBu/10 kΩ
MASTER2.....	+20 dBu/10 kΩ

Crosstalk

LINE.....	82 dB
Channel equalizer characteristic	
HI.....	−26 dB to +6 dB (13 kHz)
MID.....	−26 dB to +6 dB (1 kHz)
LOW	−26 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

PHONO input terminal	
RCA pin jack.....	2 sets
CD/LINE input terminal	
RCA pin jacks.....	4 sets
LINE input terminal	
RCA pin jack.....	2 sets
MIC input terminal	
XLR connector/phone jack (Ø 6.3 mm)	1 set
RETURN Input terminals	
Phone jack (Ø 6.3 mm).....	1 set
MASTER output terminal	
XLR connector.....	1 set
RCA pin jacks.....	1 set
BOOTH output terminal	
RCA pin jacks.....	1 set
REC OUT output terminal	
RCA pin jacks.....	1 set
SEND output terminal	
Phone jack (Ø 6.3 mm).....	1 set
DIGITAL MASTER OUT coaxial output terminal	
RCA pin jacks.....	1 set
PHONES output terminal	
Stereo phone jack (Ø 6.3 mm)	1 set
USB terminal	
B type	1 set
CONTROL terminal	
Mini phone jack (Ø 3.5 mm)	2 sets

- The specifications and design of this product are subject to change without notice.
- Be sure to use the [MASTER1] 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 [MASTER2] terminals.

E

Accessories

- Driver software/operating instructions CD-ROM (DXX2726)
- USB cable (DDE1128)
- Power cord (SYXJ8, LXJ: ADG7062) (UXJCB: DDG1108) (KXJ5: ADG7115) (XJCN5: ADG7105)
- Read Before Use (Important)/Quick Start Guide (SYXJ8: DRH1205) (UXJCB: DRH1206) (LXJ: DRH1216) (KXJ5: DRH1219) (XJCN5: DRH1218)

F

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing / DJM

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

No.	Procedures	Check points
1	Check the firmware version in Test mode.	The firmware version must be the latest one. If it is not the latest one, be sure to update it.
2	Confirm whether the customer complain has been solved. If the customer complain occurs with the specific source, such as Mic, each Input, Fader, Equalizer, and Trim, input that specific source for checking.	The customer complain must not be reappeared. Audio and operations must be normal.
3	Check the analog audio input (Check the MIC and RETURN.) (Make the analog connections with CDJ player, analog player and MIC.)	Audio and operations must be normal.
4	Check the analog audio output (MASTER1, 2, REC, BOOTH and SEND.) (Make the analog connection with CDJ player.)	Audio and operations must be normal.
5	Check the digital audio input/output	Audio for each channel and operations must be normal.
6	Check DVS signal route.	Make sure that PC applications function properly and that the audio signals and operations of each channel are normal.
7	Check the headphones output.	There must be no errors, such as noise, in the audio output.
8	Check playback, using the fader function. (Select the fader function then check operations of each channel with audio signals via the DSP.)	There must be no errors in audio output and operations of each channel.
9	Check the connection of each interface.	
	USB B	The device must be properly recognized by the PC.
10	Check the buttons and controls.	Make sure that all buttons and controls on the main unit function properly.
11	Check the FL displays and LEDs.	Check that all the FL displays and LEDs light in Test mode.
13	Check the user settings.	They must be returned to those set before repair.
13	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
Noise
Volume too low
Volume too high
Volume fluctuating
Sound interrupted

3.2 JIGS LIST

Jigs List

Jig Name	Part No.	Purpose of use / Remarks
USB cable	GGP1193	for PC connection

Lubricants and Glues List



Name	Part No.	Remarks
Silicon grease	GEM1057	Refer to "9.3 BOTTOM SECTION".
Lubricating oil	GYA1001	Refer to "9.4 CONTROL PANEL SECTION (1/2)".

3.3 PCB LOCATIONS

A

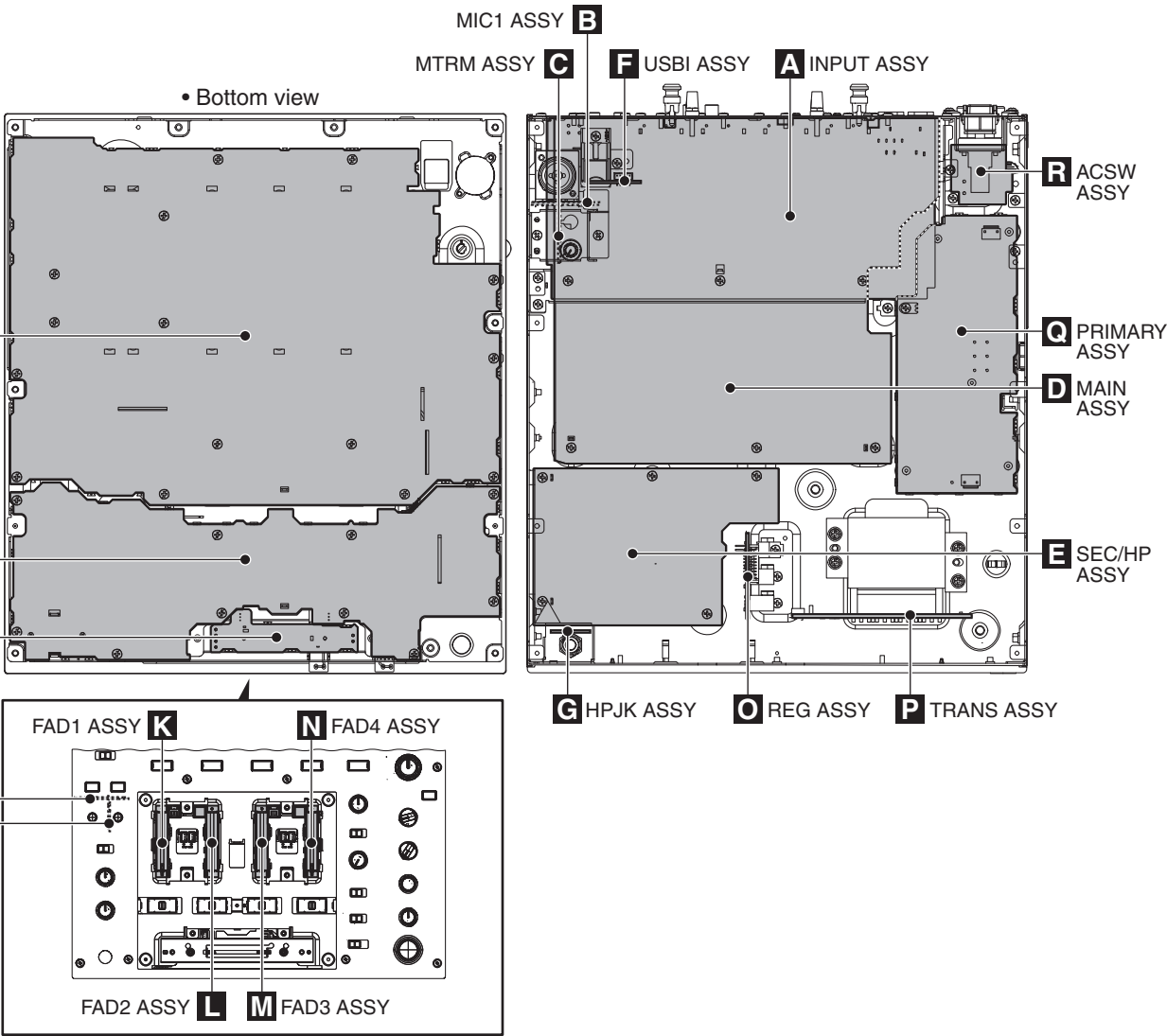
B

C

D

E

F



NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
● The  mark found on some component parts indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts of identical designation.

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
LIST OF ASSEMBLIES							
NSP	1..MOTHER ASSY	DWM2488	NSP	1..SUB ASSY (SYXJ8, KXJ5, XJCN5)	DWM2492		
	2..MAIN ASSY	DWX3430	NSP	1..SUB ASSY (UXJCB)	DWM2493		
	2..USB1 ASSY	DWX3431	NSP	1..SUB ASSY (LXJ)	DWM2490		
NSP	1..AUDIO ASSY	DWM2489		2..ACSW ASSY	DWR1532		
	2..REG ASSY	DWR1528		2..PRIMARY ASSY (SYXJ8, KXJ5, XJCN5)	DWR1535		
	2..SEC/HP ASSY	DWR1529		2..PRIMARY ASSY (UXJCB)	DWR1537		
	2..INPUT ASSY	DWX3432		2..PRIMARY ASSY (LXJ)	DWR1530		
	2..HPJK ASSY	DWX3433		2..TRANS ASSY (SYXJ8, KXJ5, XJCN5)	DWR1536		
				2..TRANS ASSY (UXJCB)	DWR1538		
				2..TRANS ASSY (LXJ)	DWR1531		
	2..FAD1 ASSY	DWX3434					
	2..FAD2 ASSY	DWX3435		2..PNLB ASSY	DWX3440		
	2..FAD3 ASSY	DWX3436		2..MIC1 ASSY	DWX3441		
NSP	2..FAD4 ASSY	DWX3437		2..MTRM ASSY	DWX3442		
	2..FADC ASSY	DWX3438		2..SHADE1 ASSY	DWX3479		
				2..SHADE2 ASSY	DWX3483		
				1..PNLA ASSY	DWX3439		

■

5

■

6

■

7

■

8

■

A

■

B

■

C

■

D

■

E

■

F

■

5

■

6

■

7

■

8

■

DJM-750-K

9

△

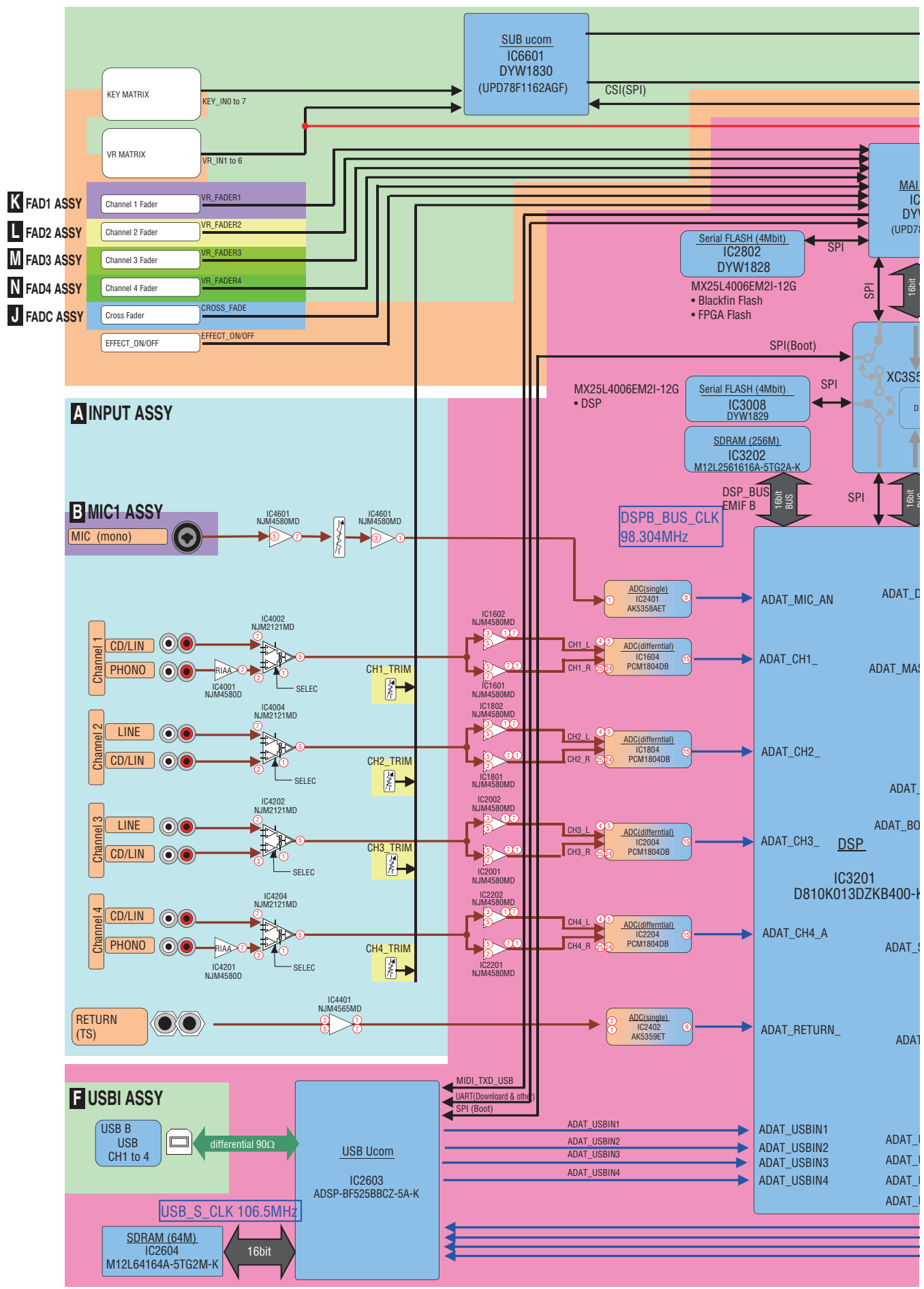
4.1 OVERALL WIRING DIAGRAM

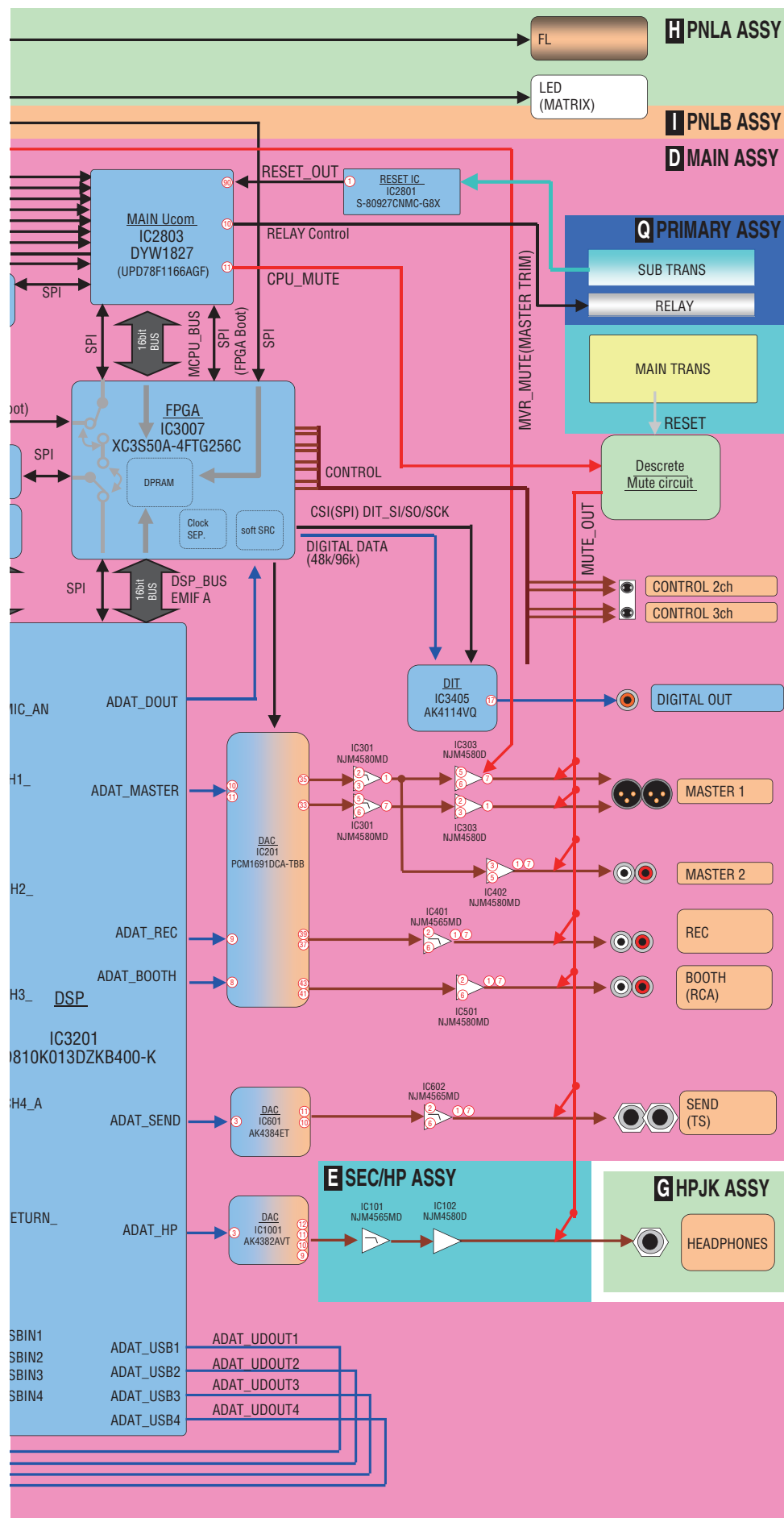
- : The power supply is shown with the marked box.





4.2 SYSTEM BLOCK DIAGRAM





4.3 DSP BLOCK DIAGRAM

A

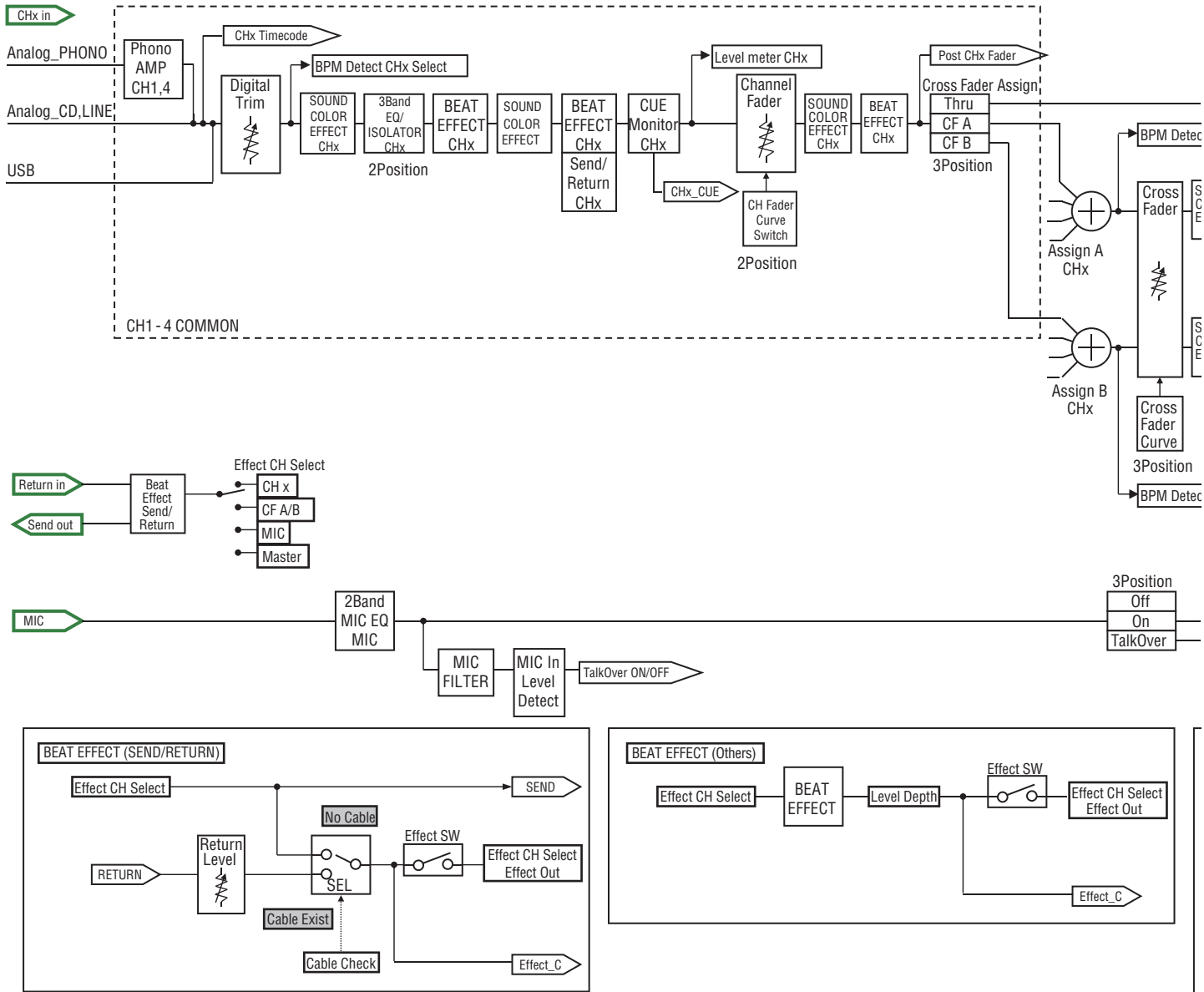
B

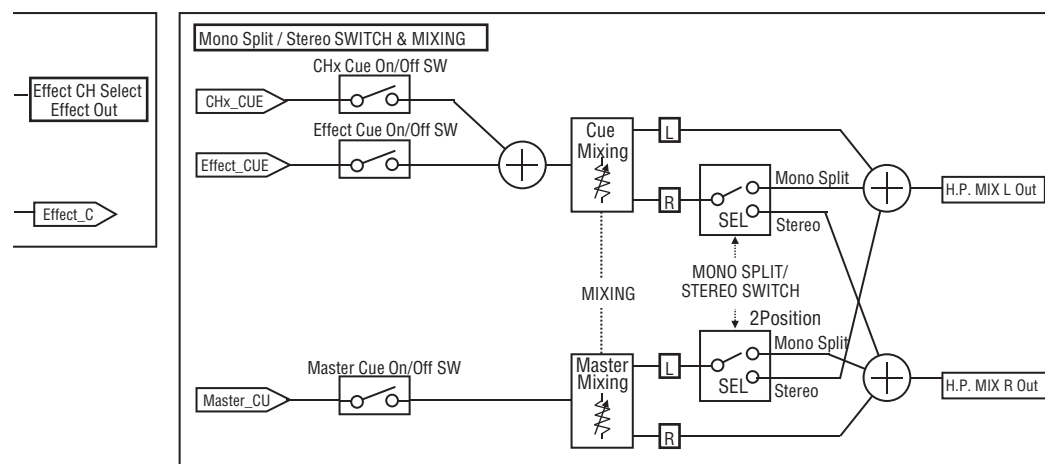
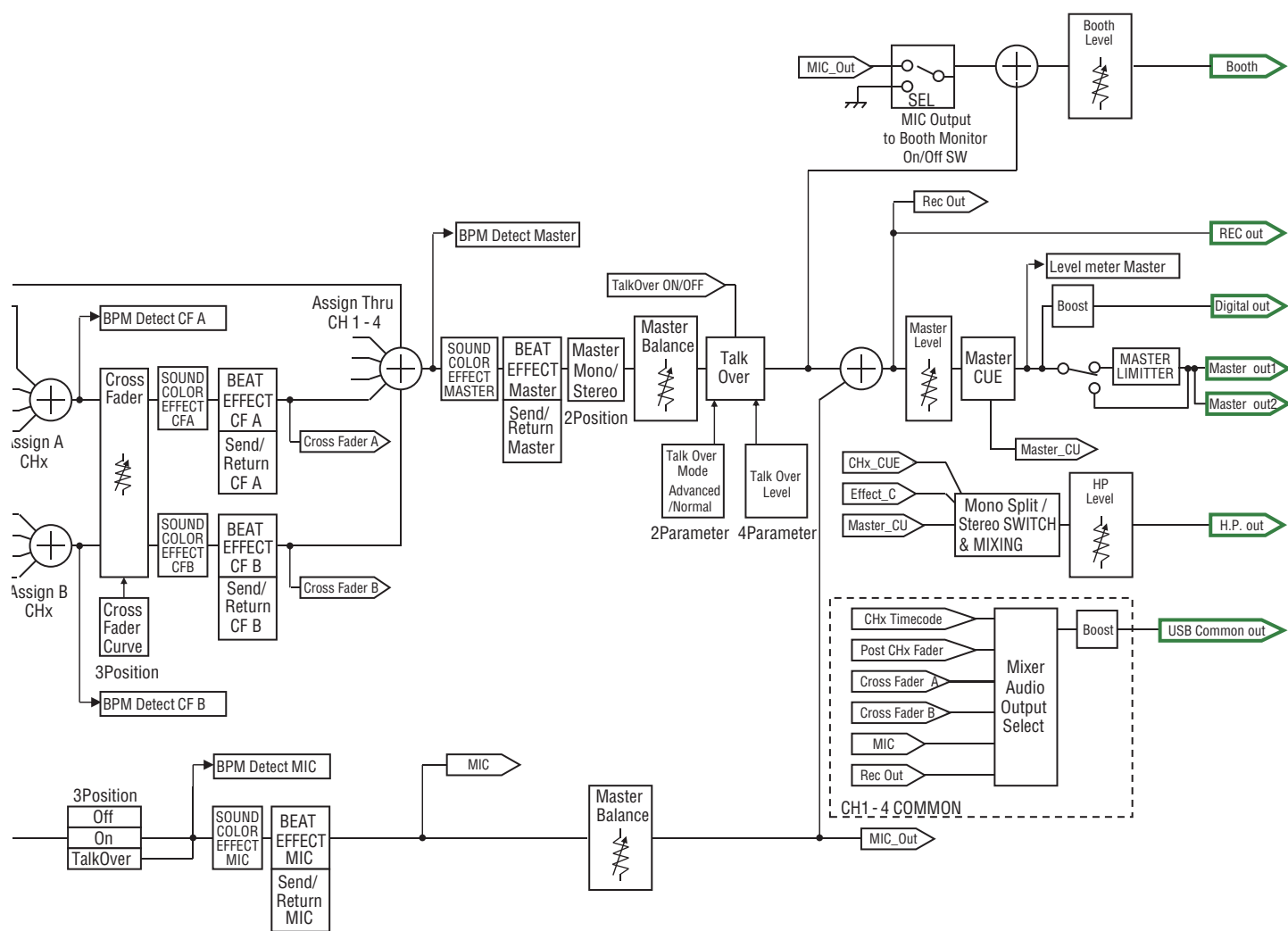
C

D

E

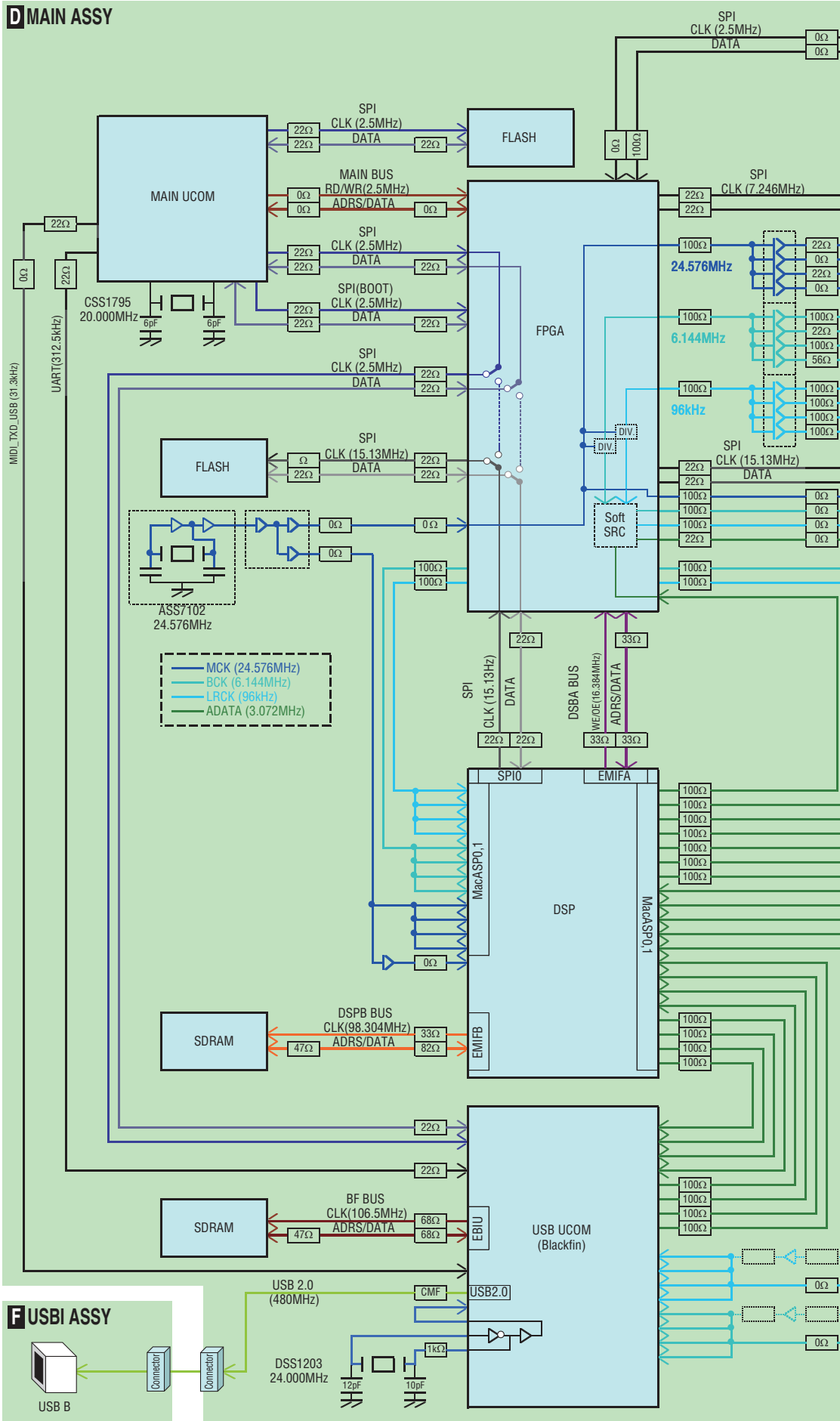
F

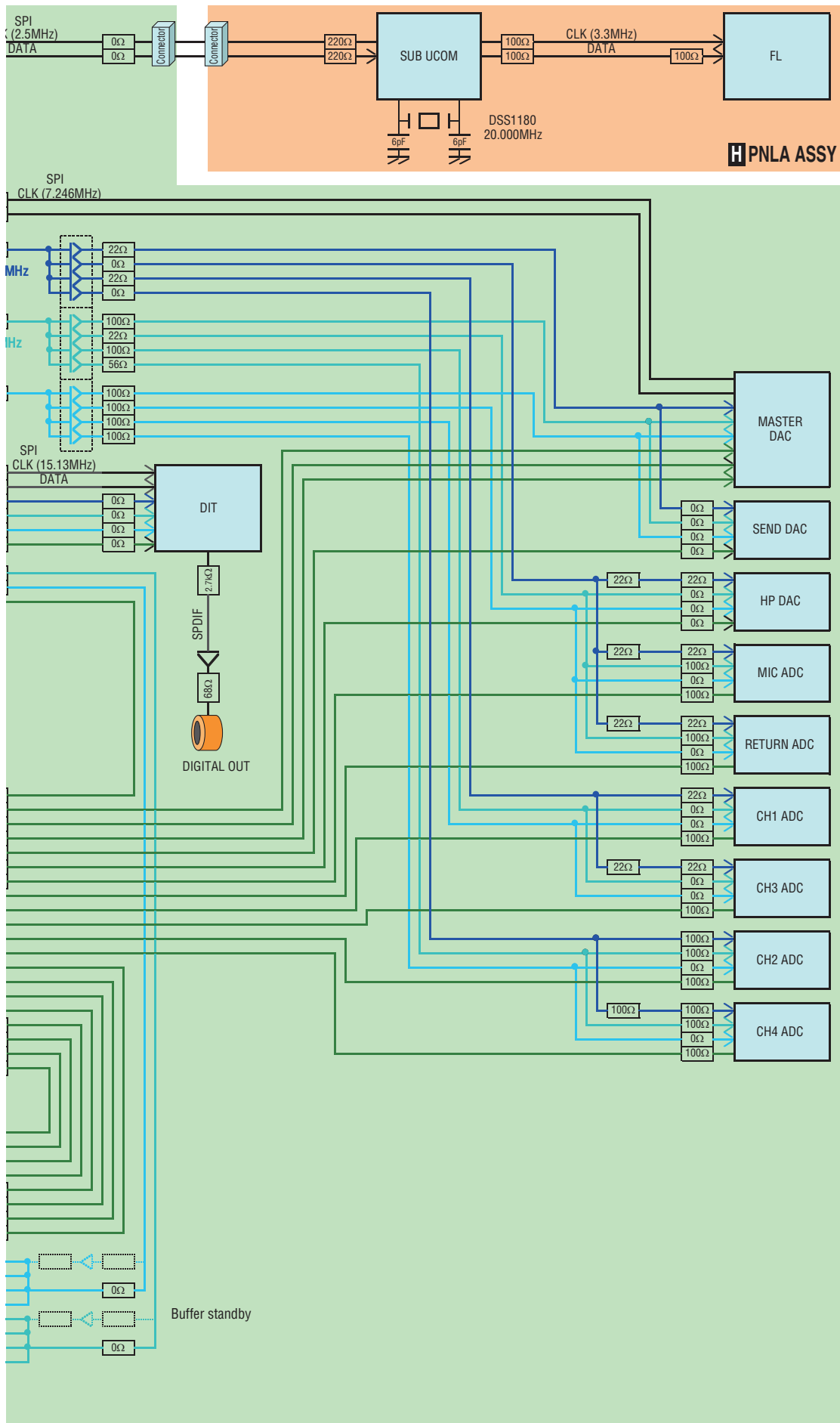




1 2 3 4

4.4 CLOCK MAP





4.5 LED, KEY, VR ASSIGNMENTS

LED matrix

	MTX_SEL1	MTX_SEL2	MTX_SEL3	MTX_SEL4	MTX_SEL5	MTX_SEL6	MTX_SEL7	MTX_SEL0
LED_OUT0	LV1_OVER	LV2_OVER	LV3_OVER	LV4_OVER	LVms_L_OVER	LVms_R_OVER		TALK OVER
LED_OUT1	LV1_10	LV2_10	LV3_10	LV4_10	LVms_L_10	LVms_R_10		MIDI ON/OFF
LED_OUT2	LV1_7	LV2_7	LV3_7	LV4_7	LVms_L_7	LVms_R_7		FADER START2
LED_OUT3	LV1_4	LV2_4	LV3_4	LV4_4	LVms_L_4	LVms_R_4		FADER START3
LED_OUT4	LV1_2	LV2_2	LV3_2	LV4_2	LVms_L_2	LVms_R_2		
LED_OUT5	LV1_1	LV2_1	LV3_1	LV4_1	LVms_L_1	LVms_R_1		
LED_OUT6	LV1_0	LV2_0	LV3_0	LV4_0	LVms_L_0	LVms_R_0		
LED_OUT7	LV1_-1	LV2_-1	LV3_-1	LV4_-1	LVms_L_-1	LVms_R_-1		
LED_OUT8	LV1_-2	LV2_-2	LV3_-2	LV4_-2	LVms_L_-2	LVms_R_-2		
LED_OUT9	LV1_-3	LV2_-3	LV3_-3	LV4_-3	LVms_L_-3	LVms_R_-3		
LED_OUT10	LV1_-5	LV2_-5	LV3_-5	LV4_-5	LVms_L_-5	LVms_R_-5		
LED_OUT11	LV1_-7	LV2_-4	LV3_-7	LV4_-7	LVms_L_-7	LVms_R_-7	CFX1(Noise)	CFX4(Jet)
LED_OUT12	LV1_-10	LV2_-10	LV3_-10	LV4_-10	LVms_L_-10	LVms_R_-10	CFX2(Crush)	CFX3(Filter)
LED_OUT13	LV1_-15	LV2_-15	LV3_-15	LV4_-15	LVms_L_-15	LVms_R_-15	BOOST	
LED_OUT14	LV1_-24	LV2_-24	LV3_-24	LV4_-24	LVms_L_-24	LVms_R_-24	BOOST VR	
LED_OUT15	CH1 CUE	CH2 CUE	CH3 CUE	CH4 CUE	MASTER CUE	EFX CUE	EFFECT ON/OFF	

 : These buttons are lit dimly by software control.

 : PNLB Assy

Except  : PNLA Assy

KEY matrix

	MTX_SEL0	MTX_SEL1	MTX_SEL2	MTX_SEL3	MTX_SEL4	MTX_SEL5	MTX_SEL6	MTX_SEL7
KEY_IN0	CH3 FADER START	CH1 CUE	IN1 SELECT (CD/LINE)	IN3 SELECT (CD/LINE)	-	AUTO	-	BEAT EFX SELECT
KEY_IN1	CH2 FADER START	CH2 CUE	IN1 SELECT (USB)	IN3 SELECT (USB)	CH4 CUE	MASTER CUE	CH3 CUE	BEAT EFX SELECT
KEY_IN2	MIDI ON/OFF	MIC ON/OFF (OFF)	IN2 SELECT (CD/LINE)	IN4 SELECT (CD/LINE)	-	BOOST	EFX CUE	BEAT EFX SELECT
KEY_IN3	MIDI START/STOP	MIC ON/OFF (TALK OVER)	IN2 SELECT (USB)	IN4 SELECT (USB)	-	HP MONO/ST (MONO)	MASTER MONO/ST	BEAT EFX SELECT
KEY_IN4	-	-	-	-	-	CRFD ASSIGN CH2 (B)	EQ/ISO (ISOLATOR)	CRFD CURVE (right)
KEY_IN5	-	-	-	-	-	CRFD ASSIGN CH2 (A)	CHFD CURVE (left)	CRFD CURVE (left)
KEY_IN6	-	-	-	-	-	CRFD ASSIGN CH3 (B)	CRFD ASSIGN CH4 (B)	CRFD ASSIGN CH1 (B)
KEY_IN7	-	-	-	-	-	CRFD ASSIGN CH3 (A)	CRFD ASSIGN CH4 (A)	CRFD ASSIGN CH1 (A)

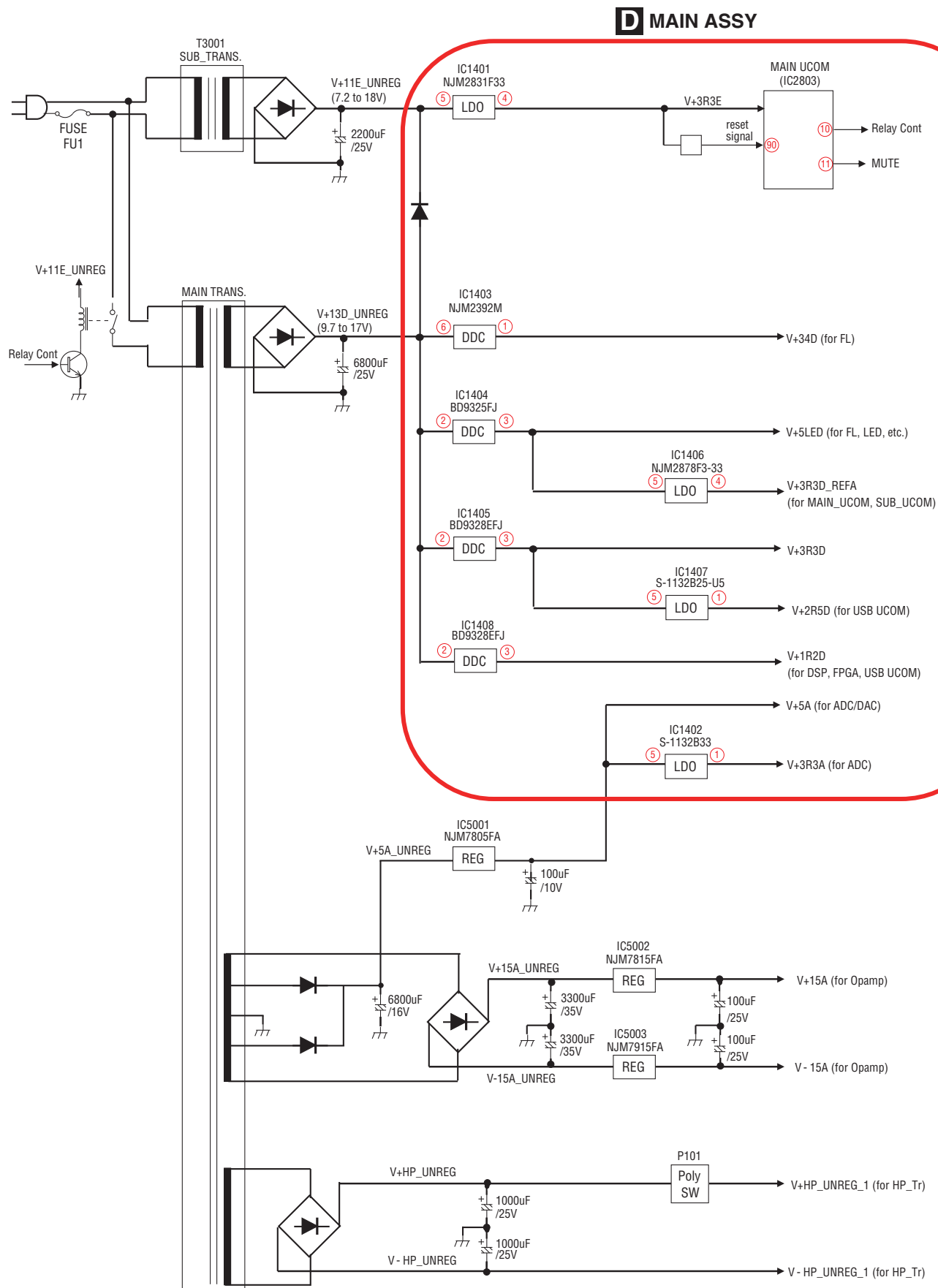
 : PNLB Assy

Except  : PNLA Assy

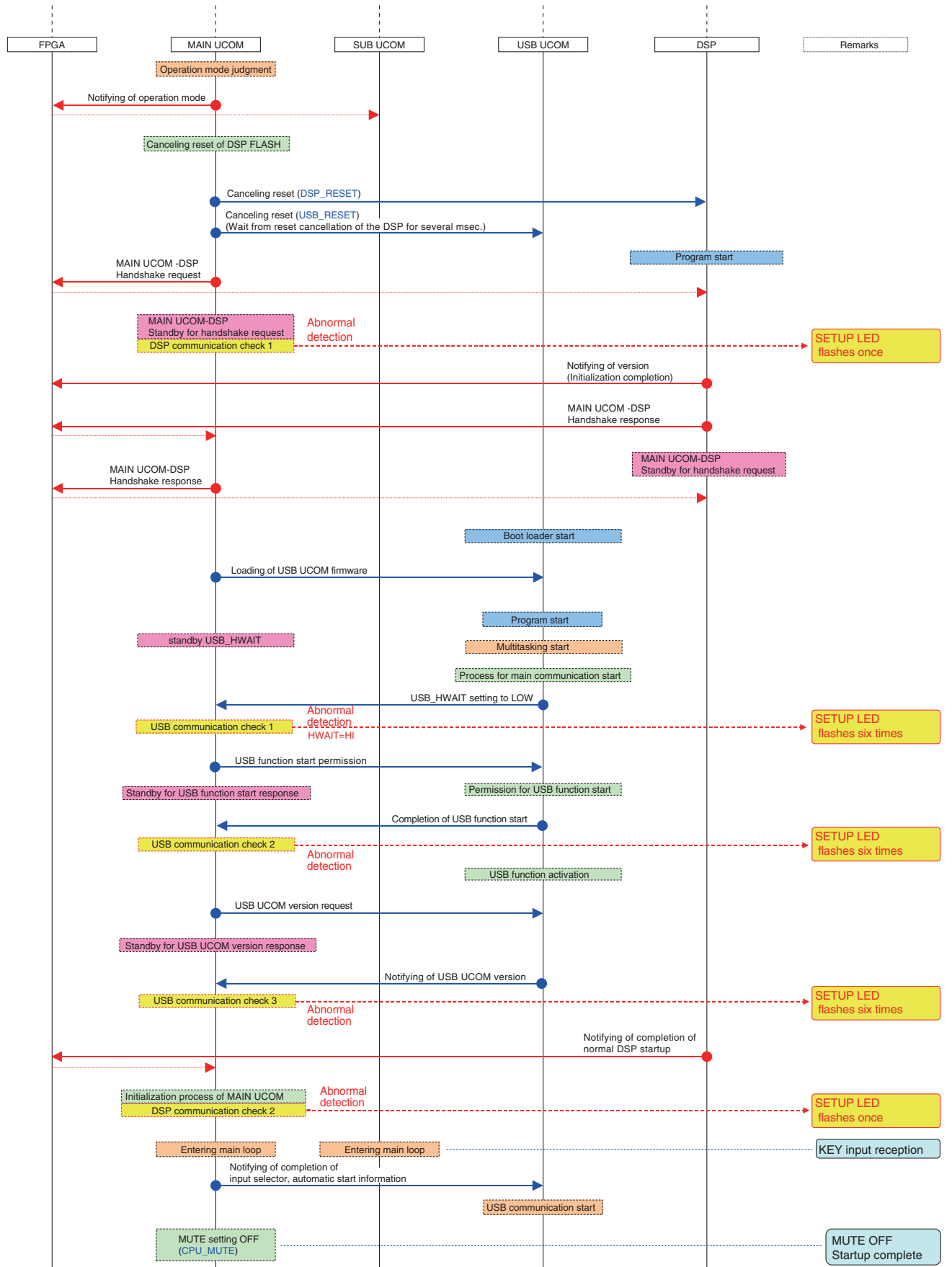
VR Assignment (AD port)

Microcomputer	Pin No.	Signal Name	Route	VR point	
SUB UCOM (PNLA ASSY IC6601)	Pin 52	VR_IN1	Multiplexer VR_SEL_0_0 VR_SEL_0_1	CH3_EQ_HI	
				CH4_TRIM	
				CH3_TRIM	
				CH4_EQ_HI	
	Pin 53	VR_IN2		CH1_EQ_HI	
				CH2_TRIM	
				CH1_TRIM	
				CH2_EQ_HI	
	Pin 54	VR_IN3		CH2_EQ_MID	
				CH3_EQ_LOW	
				CH3_EQ_MID	
				CH2_EQ_LOW	
	Pin 55	VR_IN4		MIC_EQ_HI	
				CH1_EQ_LOW	
				CH1_EQ_MID	
				MIC_EQ_LOW	
Pin 56	VR_master	Direct in AD port	MASTER_LEVEL		
Pin 57	VR_boost	Direct in AD port	BOOST		
Pin 58	VR_IN5	Multiplexer VR_SEL_1_0 VR_SEL_1_1	CH4_EQ_LOW		
			HP_MIX		
			CH4_EQ_MID		
			EFX_CH_SEL		
Pin 59	VR_IN6		LEVEL/DEPTH		
			BOOTH_LEVEL		
			MASTER_BALANCE		
			HP_LEVEL		
MAIN UCOM (MAIN ASSY IC2803)	Pin 52		VR_FADER4	Direct in AD port	CH4_FADER
	Pin 53		VR_FADER3	Direct in AD port	CH3_FADER
	Pin 54		VR_FADER_CRS	Direct in AD port	CROSS_FADER
	Pin 55		VR_FADER2	Direct in AD port	CH2_FADER
	Pin 56	VR_FADER1	Direct in AD port	CH1_FADER	

4.6 POWER BLOCK DIAGRAM



△



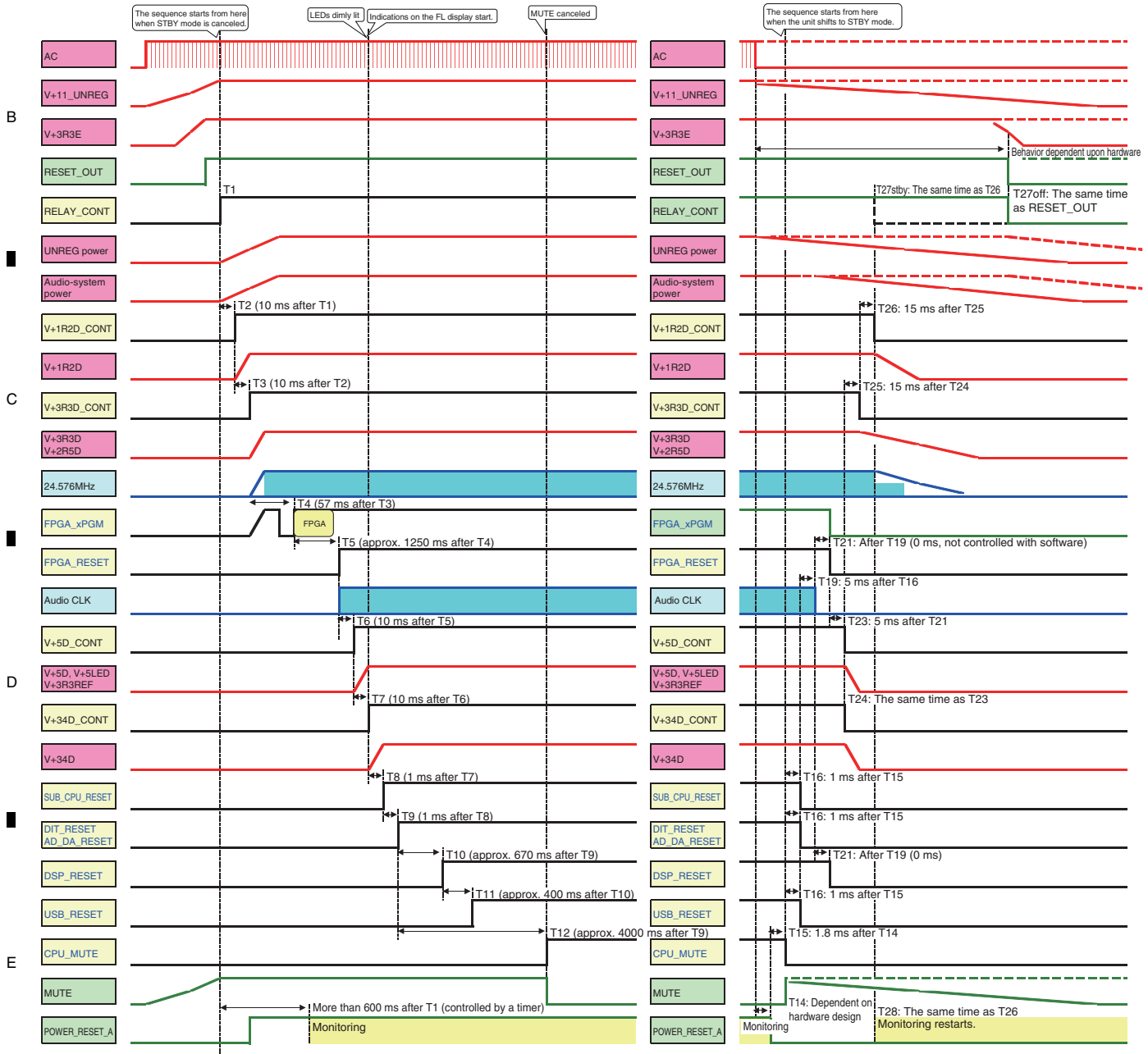
A Power Reset Mute Timing Chart

* The signals indicated in blue boldface are those described in the Startup Sequence section.

• When the unit is turned ON or returned to ON from Standby mode

• When the unit is turned OFF or shifts to Standby mode

* Standby mode differs from OFF only in the UNREG-system power.



A



9

-

9

-



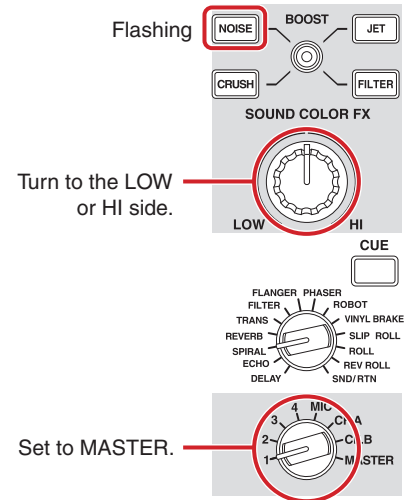
5.2 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL

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

Diagnostic procedure

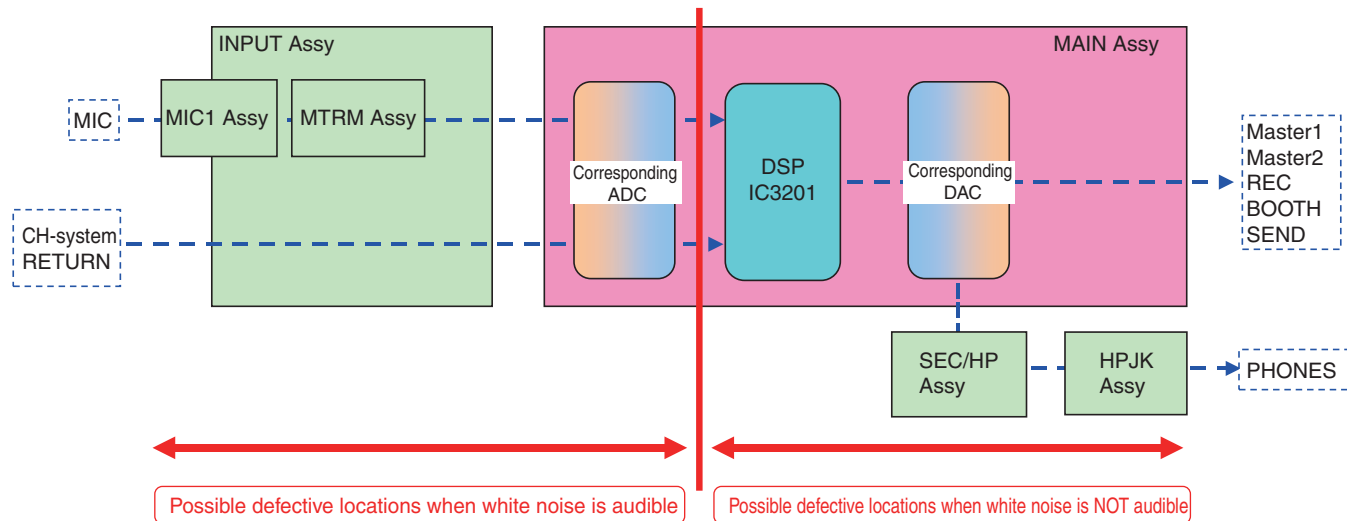
① In Test mode, check if any button, switch, VR, or LED functions improperly. (See "6.1 TEST MODE.")
If something is wrong, the PNL A or PNL B Assy is in failure. Repair the corresponding part on those Assys.

② Check that white noise is output, using the NOISE effect function.
Operating Procedure for the NOISE Effect (Refer to the Operating Instructions for details.)
1. Set the Effect Channel Selector to MASTER.
2. Press the NOISE button of the COLOR FX selector so that it starts flashing.
3. Turn the COLOR control to the LOW or HI side.



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.

5.3 TROUBLESHOOTING

Contents

- [0] Prior Confirmation
 - [0-1] Checking Internal Cables
- [1] Failure in Startup
 - [1-1] The unit dose not turn on, and the LED of the SETUP LED does not flash.
 - [1-2] The unit dose not turn on, and the LED of the SETUP LED flashes endlessly.
 - [1-3] The unit dose not turn on, and the LED of the SETUP LED flashes four times.
 - [1-4] No power, and freezing of the FL display (See "5.9 ERROR INDICATIONS.")
 - [1-5] The unit dose not turn on, and the LED of the SETUP LED flashes five times.
 - [1-6] The unit dose not turn on, and the LED of the SETUP LED flashes once.
 - [1-7] The unit dose not turn on, and the LED of the SETUP LED flashes six times.
- [2] AUDIO INPUT
 - [2-1] No signal is input to the CD/LINE, PHONO connectors.
 - [2-2] No signal is input to the MIC connector.
 - [2-3] No signal is input to the RETURN connector.
- [3] AUDIO OUTPUT
 - [3-1] No signal is output from the MASTER1/MASTER2/REC/BOOTH connectors.
 - [3-2] No signal is output from the SEND connector.
 - [3-3] No signal is output from the PHONES connector.
 - [3-4] No signal is output from the DIGITAL MASTER OUT connector.
- [4] USB
 - [4-1] No connection to the PC, No signal is input to and output from the USB connector.
 - [4-2] No timecode signal output from the mixer.
- [5] FL
 - [5-1] The FL does not light.
- [6] LED/Button/SW/VR
 - [6-1] Do not accept button /SW/VR operation
 - [6-2] display is abnormal
- [7] CONTROL
 - [7-1] The FADER START function does not work

*Point to be checked – Assys are classified with prefix.

- [1-**] MAIN Assy
- [2-**] INPUT Assy
- [3-**] PNLA Assy
- [4-**] SEC/HP Assy
- [5-**] PRIMARY Assy

* The **blue character** of the Diagnosis Point means the silk printing indication (as follows silk for services) on PC board declining by a check for services. The details, see "10. SCHEMATIC DIAGRAM" and "11. PCB CONNECTION DIAGRAM".

[0] Prior Confirmation

[0-1] Checking Internal Cables

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Disconnection, breakage, or loose connection of internal cables	Relevant part	Check that all the cables are securely connected. Check that there is no breakage in the cables.	Securely connect the cables. If a cable is broken, replace it.	4.1 OVERALL CONNECTION DIAGRAM

[1] Failure in Startup

*See [5.9 ERROR INDICATIONS], [5.1 POWER ON SEQUENCE_Startup Sequence] and [5.1 POWER ON SEQUENCE_Power Reset Mute Timing Chart].

[1-1] The unit dose not turn on, and the LED of the SETUP LED does not flash.

The fuse may be blowout or V+11E_UNREG, V+3R3E power failure or MAIN UCOM (IC2803), FLASH (IC2802) startup error may be suspected.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Circuit failure Excessive power supply voltage injection	PRIMARY Assy FU1 (5-1)	Check the primary side fuse.	- If blowing of the fuse is visible, go to [2]. - If blowing of the fuse is not visible, go to [3].	_____
2	Power failure	Each power supply	Check if any power supply is short-circuited to ground.	- If any power supply is short-circuited, repair it. - If no power supply is short-circuited, replace the fuse.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
3	Power failure	MAIN Assy CN1201 pin 3 (1-1) Silk for service [V+11E_UN]	Check for the V+11E_UNREG power.	- If the V+11E_UNREG power can be confirmed, go to [4]. - If the V+11E_UNREG power cannot be confirmed, go to [7].	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
4	Power failure, defective parts	MAIN Assy IC1401 pin 4 (1-2) Silk for service [V+3R3E]	Check for the V+3R3E power.	- If the V+3R3E power can be confirmed, go to [5]. - If the V+3R3E power cannot be confirmed, the 3.3V REGULATOR (IC1401) block may be defective. Check for the status of soldering and replace it.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS

A

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
5	RESET signal error	MAIN Assy IC2803 pin 90 1-3 Silk for service [RESET_OUT] [MAIN_CPU_RESET]	Check for the CPU_RESET signal.	• If the IC103_1 pin is high level, go to [6]. • If the IC103_1 pin is not high level, the RESET IC (IC2801) block may be defective. Check for the status of soldering and replace it.	_____
6	20 MHz CLK error	MAIN Assy R2804 1-4	Check for the 20M_CLK signal. This is a simple check of whether a signal is output or not. A normal waveform cannot be observed, because the drive circuit is inside the IC.	• If an output signal can be confirmed, go to [8]. • If an output signal cannot be confirmed, the crystal (X2801) block or MAIN UCOM (IC2803) may be defective. Check for the status of soldering and replace it.	10.35 WAVEFORMS 1-4
7	Power failure, defective parts, Wire defect	PRIMARY Assy JP3001 pin 3 5-2	Check for the V+11E_UNREG power on PRIMARY Assy.	• If the V+11E_UNREG power can be confirmed, JP3001 may be defective. Replace it. • If the V+11E_UNREG power cannot be confirmed, the PRIMARY Assy may be defective. Replace it.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
8	MAIN UCOM defective	MAIN Assy IC2803	If the symptom persists after the above corrections.	The MAIN UCOM (IC2803) may be defective. Replace it.	_____

B

[1-2] The unit dose not turn on, and the LED of the SETUP LED flashes endlessly.

The unit is shut down in error by the Voltage Monitoring Circuit. Or communication error between the MAIN UCOM (IC2803) and FPGA (IC3007).

C

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Power failure	See "5.5 VOLTAGE MONITORING CIRCUIT."	Check for power at each point, following "5.5 VOLTAGE MONITORING CIRCUIT."	• If the VDET signal level is High, go to [2]. • If the VDET signal level is low, repair the abnormal power supply point.	5.5 VOLTAGE MONITORING CIRCUIT
2	Defective parts	MAIN Assy R3037 1-5 F3001 1-6	• Check for the V+3R3D_FPGA power. • Check for the V+1R2D_FPGA power.	• If the V+3R3D_FPGA power and V+1R2D_FPGA power can be confirmed, go to [3]. • If either power cannot be confirmed, the power line may be defective. Check for the status of soldering and replace it.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
3	Defective parts	MAIN Assy IC3007 IC2802	If the symptom persists after the above corrections.	The FPGA (IC3007) or FLASH (IC2802) may be defective. Check for the status of soldering and replace it. Check for status of soldering of dumping resistor implementing on the communication line between MAIN UCOM and FPGA.	_____

D

[1-3] The unit dose not turn on, and the LED of the SETUP LED flashes four times.

MAIN UCOM (IC2803) startup error may be suspected.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	20 MHz CLK error	MAIN Assy R2804 1-4	Check for the 20M_CLK signal. This is a simple check of whether a signal is output or not. A normal waveform cannot be observed, because the drive circuit is inside the IC.	• If an output signal can be confirmed, go to [2]. • If an output signal cannot be confirmed, the crystal (X2801) block may be defective. Check for the status of soldering and replace it.	10.35 WAVEFORMS 1-4
2	MAIN UCOM defective	MAIN Assy IC2803	If the symptom persists after the above corrections.	The MAIN UCOM (IC2803) may be defective. Replace it.	_____

E

[1-4] No power, and freezing of the FL display (See "5.9 ERROR INDICATIONS.")

This error is generated because FL display data have not been input from the MAIN UCOM to the SUB UCOM.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	RESET signal error	MAIN Assy R3097 1-7	Check that the signal level of FPGA_RESET is High.	• If the signal level is High, go to [2]. • If the signal level is low, something on the FPGA_RESET path may be wrong. Check for the status of soldering and replace it.	_____
2	24 MHz CLK error	MAIN Assy R3070 1-8	Check for the 24M_CLK_FPGA signal.	• If an output signal can be confirmed, go to [3]. • If an output signal cannot be confirmed, the 24MCLK (IC3204) block may be defective. Check for the status of soldering and replace it.	10.35 WAVEFORMS 1-8
3	Defective parts	MAIN Assy IC3007 IC2802	If the symptom persists after the above corrections.	The FPGA (IC3007) or FLASH (IC2802) may be defective. Check for the status of soldering and replace it. Check for status of soldering of dumping resistor implementing on the communication line between MAIN UCOM and FPGA.	_____

F

[1-5] The unit dose not turn on, and the LED of the SETUP LED flashes five times.

Communication error between the MAIN UCOM (IC2803) and SUB UCOM (IC6601)

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Power failure, defective parts	PNLA Assy R6615 (3-1) Silk for service [V+3R3D]	Check for the V+3R3D_PA power.	- If the V+3R3D_PA power can be confirmed, go to [2]. - If an V+3R3D_PA power cannot be confirmed, the power line may be defective. Check for the status of soldering and replace it.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
2	RESET signal error	PNLA Assy IC6601 pin 90 (3-2) Silk for service [SUB_RST]	Check that the signal level of SUB_CPU_RESET is High.	- If the signal level is High, go to [3]. - If the signal level is low, the path inside the MAIN Assy may be wrong. Check for the status of soldering and replace it.	_____
3	20 MHz CLK error	PNLA Assy R6624 (3-3)	Check for the 20M_CLK signal. This is a simple check of whether a signal is output or not. A normal waveform cannot be observed, because the drive circuit is inside the IC.	- If the signal can be confirmed, go to [4]. - If an signal cannot be confirmed, crystal (X6601) block or SUB UCOM (IC6601) may be defective. Check for the status of soldering and replace it.	10.35 WAVEFORMS (3-3)
4	Defective parts	PNLA Assy IC6601	If the symptom persists after the above corrections.	SUB UCOM (IC6601) may be defective. Replace it. Check for status of soldering of dumping resistor implementing on the communication line between FPGA and SUB UCOM.	_____
5	Defective parts	MAIN Assy IC3007 IC2802	If the symptom persists after the above corrections.	FPGA (IC3007) may be defective. Check for the status of soldering and replace it. Check for status of soldering of dumping resistor implementing on the communication line between MAIN UCOM and FPGA.	_____

[1-6] The unit dose not turn on, and the LED of the SETUP LED flashes once.

Communication error between the MAIN UCOM (IC2803) and DSP (IC3201).

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Power failure, defective parts	MAIN Assy R3209 (1-9) F3201 (1-10)	- Check for the V+3R3D_DSP power. - Check for the V+1R2D_DSP power.	- If the V+3R3D_DSP power and V+1R2D_DSP power can be confirmed, go to [2]. - If either power cannot be confirmed, the power line may be defective. Check for the status of soldering and replace it.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
2	RESET signal error	MAIN Assy R3276 (1-11) Silk for service [DSP_RESET]	Check that the signal level of DSP_RESET is High.	- If the signal level is High, go to [3]. - If the signal level is low, something on the DSP_RESET path may be wrong. Check for the status of soldering and replace it.	_____
3	24MCLK error	MAIN Assy R3234 (1-12)	Check for the 24M_CLK_DSP signal.	- If an output signal can be confirmed, go to [4]. - If an output signal cannot be confirmed, the 24MCLK (IC3204) block may be defective. Check for the status of soldering and replace it.	10.35 WAVEFORMS (1-12)
4	Defective parts	MAIN Assy IC3201 IC3008	If the symptom persists after the above corrections.	DSP (IC3201) or FLASH (IC3008) may be defective. Check for the status of soldering and replace it. Check for status of soldering of dumping resistor implementing on the communication line between DSP and FPGA.	_____

[1-7] The unit dose not turn on, and the LED of the SETUP LED flashes six times.

Communication error between the MAIN UCOM (IC2803) and USB UCOM (IC2603)

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Power failure, defective parts	MAIN Assy R2604 (1-13) F2601 (1-14) R2611 (1-15)	- Check for the V+3R3D_USB power. - Check for the V+1R2D_USB power. - Check for the V+2R5D_USB_PLL power.	- If the all power can be confirmed, go to [2]. - If either power cannot be confirmed, the power line may be defective. Check for the status of soldering and replace it.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
2	RESET signal error	MAIN Assy R2669 (1-16) Silk for service [USB_RST]	Check that the signal level of USB_RESET is High.	- If the signal level is High, go to [3]. - If the signal level is low, something on the USB_RESET path may be wrong. Check for the status of soldering and replace it.	_____
3	24MCLK error	MAIN Assy R2624 (1-17)	Check for the 24M_CLK signal. This is a simple check of whether a signal is output or not. A normal waveform cannot be observed, because the drive circuit is inside the IC.	- If an output signal can be confirmed, go to [4]. - If an output signal cannot be confirmed, the crystal (X2601) block or USB UCOM (IC2603) may be defective. Check for the status of soldering and replace it.	10.35 WAVEFORMS (1-17)
4	Defective parts	MAIN Assy IC2603 IC2802	If the symptom persists after the above corrections.	USB UCOM (IC2603) or FLASH (IC2802) may be defective. Replace it. Check for status of soldering of dumping resistor implementing on the communication line between MAIN UCOM and USB UCOM.	_____

[2] AUDIO INPUT

[2-1] No signal is input to the CD/LINE, PHONO connectors.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	CD/LINE, PHONO, LINE, USB */* selector switch / TRIM control	Confirm on the screen that the selector is set properly.	_____	Operating instructions
1	Loose connection /defective parts	INPUT Assy IC4002/IC4003 (CH1) pin1 IC4004/IC4005 (CH2) pin1 IC4202/IC4203 (CH3) pin1 IC4204/IC4205 (CH4) pin1 1-18	[Confirmation of input signal selection] Check if the input signal selection at each switching operational amplifier (IC4002/IC4003/IC4004/IC4005/IC4202/IC4203/IC4204/IC4205) is proper.	- If the selection is proper, go to [2]. - If the selection is not proper, soldering of parts in the peripheral circuits of the switching operational amplifiers or the control transistors (Q4005/Q4006/Q4205/Q4206) is defective or one or more of the parts is defective. Or part of the circuit in the path from the MAIN UCOM (IC2803) to a control transistor may be disrupted.	10.35 WAVEFORMS 2-1 (CD/LINE) 2-1 (PHONO)
2	Loose connection /defective parts	MAIN Assy IC1604 (CH1) 1-18 IC1804 (CH2) 1-19 IC2004 (CH3) 1-20 IC2204 (CH4) 1-21 pin 4, 5, 24, 25 Representative CH1_R- 1-18 /CH1_R+ 1-18 Silk for service each CH [L-][L-][R+][R-]	[Checking the ADC block] Check for an audio signal at the input connector of ADC (IC1604/IC1804/IC2004/IC2204).	If no audio signal is input to ADC, a problem in an analog circuit at a previous stage may be suspected. - If an audio signal is input, go to [3]. - If no audio signal is input, check for a part where the signal is interrupted, by observing the audio signal in the path from the input connector to the ADC, then check the soldering status and check for a defective part in the corresponding part.	10.35 WAVEFORMS 2-2 (CD/LINE input signal) 2-3 (PHONO-MIC input signal) 1-18
3	Loose connection /defective parts	MAIN Assy IC1604(CH1) 1-22 IC1804(CH2) 1-23 IC2004(CH3) 1-24 IC2204(CH4) 1-25 pin 19	[Checking the ADC block] Check for the RESET signal of ADC.	- If the RESET signal level is L, go to [6]. - If the RESET signal level is H, go to [4].	_____
4	Loose connection /defective parts	MAIN Assy IC1604 (CH1) IC1804 (CH2) IC2004 (CH3) IC2204 (CH4) 96k CLK: pin 17 Representative 1-26 6M CLK: pin 16 Representative 1-27 24M CLK: pin 18 Representative 1-28	[Checking the ADC block] Check for the CLK signal of ADC.	- If no CLK signal is input, go to [7]. - If the CLK signal is input, go to [5].	10.35 WAVEFORMS 1-26 1-27 1-28
5	Loose connection /defective parts	MAIN Assy IC1604(CH1) IC1804(CH2) IC2004(CH3) IC2204(CH4) pin 15 Representative 1-29 Silk for service each CH [ADAT_CH]	[Checking the ADC block] Check for the signal output from ADC output terminal.	- If output signal cannot be confirmed, ADC may be defective. Check for the status of soldering and replace it. - If output signal can be confirmed, DSP (IC3201) must be improperly soldered or defective.	10.35 WAVEFORMS 1-29
6	Loose connection /defective parts	MAIN Assy IC2804 pin 1, pin 3 1-30 Silk for service [AD/DA_RESET]	[Checking the RESET signal path] Check for the RESET signal.	- If the signal level at Pin 1 is H and that at Pin 3 is L, IC2804 must be soldered improperly or defective. - If the signal level at Pin 1 is L and there is no abnormality in the path from the MAIN UCOM (IC2803) to IC2804, soldering of the MAIN UCOM (IC2803) or the IC itself is defective.	_____
7	Loose connection /defective parts	MAIN Assy 96k CLK: IC3006 pin 10, pin 8 1-31 6M CLK: IC3004 pin 10, pin 8 1-32 24M CLK: IC3005 pin 10, pin 8 1-33	[Checking the CLK signal path] Check for the 96k CLK, 6M CLK and 24M CLK signals.	- If no signal is output from Pin 7 even though Pin 4 is normal for CH1/CH3, or if no signal is output from Pin 11 even though Pin 13 is normal for CH2/CH4, soldering of IC3006/IC3004/IC3005 or these ICs themselves are defective. - If Pin 4 is not normal for CH1/CH3 or if Pin 13 is not normal for CH2/CH4, and if there is no abnormality in the path from the FPGA (IC3007) to IC3006/IC3004/IC3005, soldering of the FPGA (IC3007) or this IC itself is defective.	10.35 WAVEFORMS 1-31 1-32 1-33

[2-2] No signal is input to the MIC1 connectors.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	OFF, ON, TALK OVER selector switch / TRIM control	Confirm on the screen that the selector is set properly.	_____	Operating instructions
1	Loose connection /defective parts	MAIN Assy IC2401 MIC1: pin 1 1-34 Silk for service [MIC]	[Checking the ADC block] Check for an audio signal at the input connector of ADC (IC2401).	If no audio signal is input to ADC, a problem in an analog circuit at a previous stage may be suspected. • If an audio signal is input, go to [2]. • If no audio signal is input, check for a part where the signal is interrupted, by observing the audio signal in the path from the input connector to the ADC, then check the soldering status and check for a defective part in the corresponding part.	10.35 WAVEFORMS 1-34
2	Loose connection /defective parts	MAIN Assy IC2401 pin 13	[Checking the ADC block] Check for the RESET signal of ADC (IC2401).	• If the RESET signal level is L, go to [5]. • If the RESET signal level is H, go to [3].	_____
3	Loose connection /defective parts	MAIN Assy IC2401 96k CLK: pin 10 1-37 6M CLK: pin 12 1-38 24M CLK: pin 11 1-39	[Checking the ADC block] Check for the CLK signal of ADC (IC2401).	• If no CLK signal is input, go to [7]. • If the CLK signal is input, go to [4].	10.35 WAVEFORMS 1-37 1-38 1-39
4	Loose connection /defective parts	MAIN Assy IC2401 pin 9 1-40 Silk for service [ADAT_MIC]	[Checking the ADC block] Check for the signal output from ADC (IC2401) output terminal.	• If output signal cannot be confirmed, ADC may be defective. Check for the status of soldering and replace it. • If output signal can be confirmed, DSP (IC3201) must be improperly soldered or defective.	10.35 WAVEFORMS 1-40
5	Loose connection /defective parts	MAIN Assy IC2804 pin10, pin 8 1-41 Silk for service [AD/DA_RESET]	[Checking the RESET signal path] Check for the RESET signal.	• If the signal level at Pin 10 is H and that at Pin 8 is L, IC2804 must be soldered improperly or defective. • If the signal level at Pin 10 is L and there is no abnormality in the path from the MAIN UCOM (IC2803) to IC2804, soldering of the MAIN UCOM (IC2803) or this IC itself is defective.	_____
6	Loose connection /defective parts	MAIN Assy 96k CLK: IC3006 pin 10, pin 8 1-31 6M CLK: IC3004 pin 10, pin 8 1-32 24.576M CLK: IC3005 pin 10, pin 8 1-33	[Checking the CLK signal path] Check for the 96k CLK, 6M CLK and 24M CLK signals.	• If no signal is output from Pin 8 even though Pin 10 is normal, soldering of the IC3006/IC3004/IC3005 or these ICs themselves are defective. • If Pin 10 is not normal and if there is no abnormality in the path from the FPGA (IC3007) to IC3006/IC3004/IC3005, soldering of the FPGA (IC3007) or this IC itself is defective.	10.35 WAVEFORMS 1-31 1-32 1-33

[2-3] No signal is input to the RETURN.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	DELAY, ECHO, SPIRAL, REVERB, TRANS, FILTER, FLANGER, PHASER, ROBOT, VINYL BRAKE, SLIP ROLL, ROLL, REV ROLL, SND/RTN selector switch / ON/OFF button	• Check that the type for BEAT EFFECT is set to SND/RTN. • Check that the BEAT EFFECT is set to ON. • Check that a cable is connected to the RETURN L connector.	_____	Operating instructions
1	Loose connection /defective parts	INPUT Assy CN4803 pin 20 2-4	Check that the RETURN IN signal level is H.	• If it is L, JA4401 or R4803 must be improperly soldered or defective. • If it is H, go to [2].	_____
2	Loose connection /defective parts	MAIN Assy IC2402 pin1, pin 2 1-42 Silk for service [RETL][RETR]	[Checking the ADC block] Check for an audio signal at the input connector of ADC (IC2401).	If no audio signal is input to ADC, a problem in an analog circuit at a previous stage may be suspected. • If no audio signal is input, check for a part where the signal is interrupted, by observing the audio signal in the path from the input connector to the ADC, then check the soldering status and check for a defective part in the corresponding part. • If an audio signal is input, go to [3].	10.35 WAVEFORMS 1-42

A

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
3	Loose connection /defective parts	MAIN Assy IC2402 pin 13 1-43	[Checking the RESET signal path] Check for the RESET signal at ADC.	- If the RESET signal level is L, go to 2-2 [5]. - If the RESET signal level is H, go to [4].	—————
4	Loose connection /defective parts	MAIN Assy LRCK: IC2402 pin 10 1-44 BCLK: IC2402 pin 12 1-45 MCLK: IC2402 pin 11 1-46	[Checking the ADC block] Check for the CLK signal of ADC.	- If no CLK signal is input, go to 2-2 [6]. - If the CLK signal is input, go to [5].	10.35 WAVEFORMS 1-44 1-45 1-46
5	Loose connection /defective parts	MAIN Assy IC2402 pin 9 1-47 Silk for service [ADAT_RETURN]	[Checking the ADC block] Check for the signal output from ADC output terminal.	- If output signal cannot be confirmed, ADC may be defective. Check for the status of soldering and replace it. - If output signal can be confirmed, DSP (IC3201) must be improperly soldered or defective.	10.35 WAVEFORMS 1-47

B

[3] AUDIO OUTPUT

[3-1] No signal is output from the MASTER1/MASTER2/REC/BOOTH connectors.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Prior Confirmation	MASTER1 / MASTER2 / REC / BOOTH	Identify the connector(s) that do(es) not output signals.	- If all connectors does output, go to [2]. - If neither MASTER 1 nor 2 connector outputs, go to [9]. - If only the MASTER 1 connector does not output, go to [10]. - If only the MASTER 2 connector does not output, go to [11]. - If only the BOOTH connector does not output, go to [13].	Operating instructions
2	Loose connection /defective parts	MAIN Assy IC201 1-48 Silk for service [MASTER_L+] [MASTER_L-] [MASTER_R+] [MASTER_R-] [REC_L] [REC_R] [BOOTH_L] [BOOTH_R]	[Checking the DAC block] Check for the DA converter (IC201) signal output. MASTER: pin 29, pin31, pin 33, pin 35 REC: pin37, pin 39 BOOTH: pin41, pin 43	- If the DAC output signal is normal, the MUTE circuit is activated. Go to [16]. - If no signal is output from the DAC output, go to [3].	10.35 WAVEFORMS 1-48 (MASTER) 1-48 (REC) 1-48 (BOOTH)
3	Loose connection /defective parts	MAIN Assy IC201 pin 8, 9, 10, 11 1-49	[Checking the DAC block] Check that a signal is input to the DA converter. MASTER: pin10, pin 11 REC: pin 9 BOOTH: pin 8	- If no signal is output, the DSP (IC3201) must be improperly soldered or defective. - If a signal is output, go to [4].	10.35 WAVEFORMS 1-49
4	Loose connection /defective parts	MAIN Assy IC201 pin 18 1-50	[Checking the DAC block] Check for the AMUTEI signal (IC201 pin 18).	- If it is L, the R212 or IC201 must be improperly soldered or defective. - If it is H, go to [5].	—————
5	Loose connection /defective parts	MAIN Assy IC201 pin 15 1-51	[Checking the DAC block] Check for the RESET signal at DA converter.	- If it is H, go to [7]. - If it is L, go to [6].	—————
6	Loose connection /defective parts	MAIN Assy 96k CLK: IC201 pin 6 1-52 6M CLK: IC201 pin 7 1-53 24M CLK: IC201 pin 14 1-54	[Checking the DAC block] Check for the CLK signal at DA converter.	- If a signal is output, go to [8]. - If the CLK signal is output, soldering of the IC201 or the IC itself is defective.	10.35 WAVEFORMS 1-52 1-53 1-54
7	Loose connection /defective parts	MAIN Assy IC2804 pin4, pin 6 1-55 Silk for service [AD/DA_RESET]	[Checking the RESET signal path] Check for the RESET signal.	- If the signal level at Pin 4 is H and that at Pin 6 is L, IC2804 must be soldered improperly or defective. - If the signal level at Pin 4 is L and there is no abnormality in the path from the MAIN UCOM (IC2803) to IC2804, soldering of the MAIN UCOM (IC2803) or the IC itself is defective.	—————

F

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
8	Loose connection /defective parts	MAIN Assy 96k CLK: IC3006 pin 1, pin 3 1-56 6M CLK: IC3004 pin 1, pin 3 1-57 24M CLK: IC3005 pin 1, pin 3 1-58	[Checking the CLK signal path] Check for the 96k CLK, 6M CLK and 24M CLK signals.	- If no signal is output from Pin 3 even though Pin 1 is normal, soldering of the IC3006/IC3004/IC3005 or these ICs themselves are defective. - If Pin 1 is not normal and if there is no abnormality in the path from the FPGA (IC3007) to IC3006/IC3004/IC3005, soldering of the FPGA (IC3007) or this IC itself is defective.	10.35 WAVEFORMS 1-56 1-57 1-58
9	Loose connection /defective parts	MAIN Assy IC301 pin 1, pin 7 1-59 IC302 pin 1, pin 7 1-60 Silk for service [ML+][ML-] [MR+][MR-]	[Checking the MASTER Shaping Noise Filter] Check for the DAC differential audio signal output. Check the waveforms of the signals output pins of IC301/IC302.	- If a signal is output from the Pin 1/Pin 7 of IC301/IC302, go to [10] and [11]. - If signals are output from the DAC (Pins 29, 31, 33 and 35 of IC201) but not from Pins 1 and 7 of IC301/IC302, soldering of the IC301/IC302 block or some part in the block is defective. - If no signal is output from the DAC (Pins 37, 39, 41 and 43 of IC123), go to [3].	10.35 WAVEFORMS 1-59 1-60
10	Loose connection /defective parts	MAIN Assy IC303 pin 1, pin 7 1-61 IC304 pin 1, pin 7 1-62	[Checking the Balanced Output AMP] Check the waveforms of the signals from the output pins of IC303/304.	- If no signal is output, soldering of the IC303/IC304 is defective or the ICs themselves are defective. - If signals are output, soldering of the output capacitors (C355, C356, C357, C358) or the ICPs (P302, P301) is defective or the capacitors or ICPs themselves are defective. Or the MUTE circuited is activated. - If the MUTE circuited is activated, go to [14].	10.35 WAVEFORMS 1-61 1-62
11	Loose connection /defective parts	MAIN Assy IC402 pin 1, pin 7 1-63	[Checking the MASTER2] Check the waveform of IC402 output pin.	- If no signal is output, soldering of the IC402 or the IC itself is defective. - If signals are output, soldering of the output capacitors (C425, C426), output resistor (R427, R428) is defective or one or more of those parts is defective. Or the MUTE circuited is activated. - If the MUTE circuited is activated, go to [14].	10.35 WAVEFORMS 1-63
12	Loose connection /defective parts	MAIN Assy IC401 pin 1, pin 7 1-64	[Checking the REC] Check the waveform of IC401 output pin.	- If signals are output from the DAC (Pins 37 and 39 of IC201) but not from IC401, soldering of the IC401 block or some part in the block is defective. - If no signal is output from the DAC (Pins 37, and 39 of IC201), go to [3]. - If signals are output from Pins 1 and 7 of IC401, soldering of the output capacitors (C423, C424), output resistor (R422, R425, R419 and R426) is defective or one or more of those parts is defective. Or the MUTE circuited is activated. - If the MUTE circuited is activated, go to [17].	10.35 WAVEFORMS 1-64
13	Loose connection /defective parts	MAIN Assy IC501 pin 1, pin 7 1-96	[Checking the BOOTH] Check the waveform of IC501 output pin.	- If signals are output from the DAC (Pins 41 and 43 of IC201) but not from IC501, soldering of the IC501 block or some part in the block is defective. - If no signal is output from the DAC (Pins 41, and 43 of IC201), go to [3]. - If signals are output from Pins 1 and 7 of IC501, soldering of the output capacitors (C508, C520), output resistor (R505, R517) is defective or one or more of those parts is defective. Or the MUTE circuited is activated. - If the MUTE circuited is activated, go to [16].	10.35 WAVEFORMS 1-96
14	Loose connection /defective parts	MAIN Assy MASTER_MUTE 1-68 Silk for service [MASTER_MUTE]	[Checking the MASTER_MUTE] Check that the MASTER_MUTE signal 1-68 is within the range of approx. -14 to -15 V.	- If the signal is within the range of approx. -14 to -15 V, go to [16]. - If the signal is outside the range of approx. -14 to -15 V, go to [15].	—————
15	Loose connection /defective parts	MASTER LEVEL knob / MAIN Assy CN1002 pin 4 1-69	[Checking the MVR_MUTE] - Check that the MASTER LEVEL knob is not set to $-\infty$. - Check the FFC connections with the PNLA Assy. - Check that the MVR_MUTE (CN1002 pin 4) level is Low.	- If MVR_MUTE (CN1002 pin 4) is H, VR6607 or IC6605 on the PNLA Assy or peripheral parts must be improperly soldered or defective. - If MVR_MUTE (CN1002 pin 4) is L, Q203, Q204 or peripheral parts must be improperly soldered or defective. If the part is OK, go to [16].	—————

A

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
16	Loose connection /defective parts	MAIN Assy MUTE 1-70 Silk for service [MUTE]	[Checking the MUTE] Check that the MUTE signal 1-70 is within the range of approx. -14 to -15 V.	- If the signal is within the range of approx. -14 to -15 V, soldering of the MUTE transistor or parts in its peripheral circuits is defective or one or more of those parts is defective. MUTE transistor ••• MASTER1: Q305, Q306, Q307, Q308 MASTER2: Q407, Q408 REC: Q405, Q406 BOOTH: Q503, Q504 - If the signal is outside the range of approx. -14 to -15 V, check if the MUTE transistor is defective. If the transistor is OK, go to [17].	_____
17	Loose connection /defective parts	MAIN Assy IC2803 pin 11 1-71 Silk for service [CPU_MUTE]	[Checking the CPU_MUTE] Check that the CPU_MUTE signal level is High.	- If it is L, MAIN UCOM (IC2803) or R2833 must be improperly soldered or defective. - If it is H, Q201, Q202 and Q205 must be improperly soldered or defective.	_____

B

[3-2] No signal is output from the SEND connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Loose connection /defective parts	MAIN Assy IC602 pin 1, pin 7 1-72 IC601 pin 1, pin 7 1-72 Silk for service [SEND_L][SEND_R]	[Checking the SEND] Check the waveform of IC602 output pin.	- If signals are output from Pins 1 and 7 of IC602, soldering of the output capacitors (C624, C625), output resistor (R621, R622) is defective or one or more of those parts is defective. Or the MUTE circuited is activated. - If the MUTE circuited is activated, go to 3-1 [17]. - If signals are output from the DAC (Pins 1 and 7 of IC601) but not from Pins 1 and 7 of IC602, soldering of the IC601 and IC602 block or some part in the block is defective. - If no signal is output from the DAC (Pins 10, and 11 of IC601), go to [2].	10.35 WAVEFORMS 1-72 (SEND output) 1-72 (SEND output)
2	Loose connection /defective parts	MAIN Assy IC601 pin 3 1-73	[Checking the DAC] Check the input signal of DAC (IC601).	- If no signal is found, DSP (IC3201) must be improperly soldered or defective. - If a signal is found, go to [3].	10.35 WAVEFORMS 1-73
3	Loose connection /defective parts	MAIN Assy IC601 pin 5 1-74	[Checking the DAC] Check the RESET signal of DAC.	- If it is L, go to [5]. - If it is H, go to [4].	_____
4	Loose connection /defective parts	MAIN Assy 96k CLK: IC601 pin 4 1-75 6M CLK: IC601 pin 2 1-76 24M CLK: IC601 pin 1 1-77	[Checking the DAC] Check the CLK signal of DAC.	- If no signal is found, go to [6]. - If a CLK signal is found, IC601 must be improperly soldered or defective. Or the MUTE circuited is activated. - If the MUTE circuited is activated, go to [7].	10.35 WAVEFORMS 1-75 1-76 1-77
5	Loose connection /defective parts	MAIN Assy IC2804 pin 4, pin 6 1-55 Silk for service [AD/DA_RESET]	[Checking the RESET signal path] Check the RESET signal.	- If a signal level at Pin 4 is H and that at Pin 6 is L, IC2804 must be improperly soldered or defective. - If the signal level at Pin 4 is L and there is no abnormality in the path from the MAIN UCOM (IC2803) to IC2804, soldering of the MAIN UCOM (IC2803) or this IC itself is defective. Or the MUTE circuited is activated. - If the MUTE circuited is activated, go to [7].	_____
6	Loose connection /defective parts	MAIN Assy 96k CLK: IC3006 pin 1, pin 3 1-56 6M CLK: IC3004 pin 1, pin 3 1-57 24M CLK: IC3005 pin 1, pin 3 1-58	[Checking the CLK signal path] Check for the 96k CLK, 6M CLK and 24M CLK signals.	- If Pin 1 is normal but a signal is not output from the Pin 3, IC3006/IC3004/IC3005 must be improperly soldered or defective. - If Pin 1 is not normal and if there is no abnormality in the path from the FPGA (IC3007) to IC3006/IC3004/IC3005, soldering of the FPGA (IC3007) or this IC itself is defective. Or the MUTE circuited is activated. - If the MUTE circuited is activated, go to [7].	10.35 WAVEFORMS 1-56 1-57 1-58
7	Loose connection /defective parts	MAIN Assy MUTE 1-70 Silk for service [MUTE]	[Checking the MUTE] Check that the MUTE signal 1-70 is within the range of approx. -14 to -15 V.	- If the signal is within the range of approx. -14 to -15 V, Q603, Q604 must be improperly soldered or defective. - If the signal is outside the range of approx. -14 to -15 V, check the above-mentioned MUTE transistors. If they are OK, go to [8].	_____
8	Loose connection /defective parts	MAIN Assy IC2803 pin 11 1-71 Silk for service [CPU_MUTE]	[Checking the CPU_MUTE] Check that the CPU_MUTE level is High.	- If CPU_MUTE is Low, MAIN UCOM (IC2803) or R2833 must be improperly soldered or defective. - If CPU_MUTE is High, Q201, Q202, Q205 must be improperly soldered or defective.	_____

F

[3-3] No signal is output from the PHONES connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	CUE button / LEVEL knob / MIXING knob / MONO, STEREO selector	Confirm on the screen that the selector is set properly.	_____	Operating instructions
1	Loose connection /defective parts	MAIN Assy / SEC/HP Assy / HPJK Assy	Check for the connection between the MAIN Assy, SEC/HP Assy and HPJK Assy.	Correct any power connections.	_____
2	Loose connection /defective parts	SEC/HP Assy CN101 pin 1, pin 4 1-78	Check for the signals at Pins 1 and 4 of CN101.	- If a signal is found, the HPJK Assy or wires are defective. Replace them. - If no signal is found, go to [3].	10.35 WAVEFORMS 1-78
3	Loose connection /defective parts	SEC/HP Assy HP_L+/L- HP_R+/R-	Check the audio signal of SEC/HP Assy.	- Check for a part where the signal is interrupted, by observing the audio signal before and after each block. Soldering of the part or the part itself where the signal is interrupted is defective. Or the MUTE circuit is activated. - If the MUTE circuit is activated, go to [4]. - If no signal is found at CN3, go to [5].	_____
4	Loose connection /defective parts	SEC/HP Assy MUTE 1-79 Silk for service MUTE	[Checking the MUTE] Check that the MUTE signal 1-79 is within the range of approx. -14 to -15 V.	- If the signal is within the range of approx. -14 to -15 V, soldering of the MUTE transistors (Q103, Q104) or any part in their peripheral circuits is defective or one or more of those parts is defective. - If the signal is outside the range of approx. -14 to -15 V, check the conduction at CN3 and CN1005 and check the above-mentioned MUTE transistors. If they are OK, go to 3-1 [17].	_____
5	Loose connection /defective parts	MAIN Assy IC1001 pin 9, 10, 11, 12 1-78 Silk for service [L+][L-][R+][R-]	[Checking the DAC] Check the output signal of DAC (IC1001).	- If the DAC output signal is normal, check the conduction at CN3 and CN1005. - If no DAC signal is found, go to [6].	10.35 WAVEFORMS 1-78
6	Loose connection /defective parts	MAIN Assy IC1001 pin 3 1-79 Silk for service [ADAT_HP]	[Checking the DAC] Check the input signal of DAC.	- If no signal is found, DSP (IC3201) must be improperly soldered or defective. - If signal is found, go to [7].	10.35 WAVEFORMS 1-79
7	Loose connection /defective parts	MAIN Assy IC1001 pin 5 1-80	[Checking the DAC] Check the RESET signal of DAC.	- If it is H, go to [8]. - If it is L, go to 2-2 [5].	_____
8	Loose connection /defective parts	MAIN Assy 96k CLK: IC1001 pin 4 1-81 6M CLK: IC1001 pin 2 1-82 24M CLK: IC1001 pin 1 1-83	[Checking the DAC] Check the CLK signal of DAC.	- If no signal is found, go to 2-2 [6]. - If CLK signal is found, DAC (IC1001) must be improperly soldered or defective.	10.35 WAVEFORMS 1-81 1-82 1-83

[3-4] No signal is output from the DIGITAL MASTER OUT connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Loose connection /defective parts	MAIN Assy IC3405 pin 16 1-84	Check for the signal at Pins 16 of DIT (IC3405).	- If the signal can be found, soldering of any part in the signal path from IC3405 to JA3401 may be defective. Check the soldering status. If soldering is OK, replace the defective part. - If no signal is found, go to [2].	10.35 WAVEFORMS 1-84
2	Loose connection /defective parts	MAIN Assy C3411 1-85	Check for the V+3R3D_DIT power.	- If V+3R3D_DIT power is found, go to [3]. - If V+3R3D_DIT power cannot be found, soldering of any part in the power path may be defective. Check the soldering status. If soldering is OK, replace the defective part.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
3	Loose connection /defective parts	MAIN Assy R3434 1-86 Silk for service [DIT_RST]	Check that the DIT_RESET signal level is High.	- If it is H, go to [4]. - If the signal level is L, soldering of any part in the DIT_RESET path may be defective. Check the soldering status. If soldering is OK, replace the defective part.	_____
4	Loose connection /defective parts	MAIN Assy IC3405 FPGASRC_LRCK pin 24 1-87 FPGASRC_BCK pin 26 1-88 ADAT_DOUT_FPGASRC pin 28 1-89 FPGASRC_MCLK pin 30 1-90	Check for the any signals of DIT (IC3405).	- If any signal is abnormal, soldering of any part in the signal path may be defective. Check the soldering status. If soldering is OK, replace the defective part. - If all signals are normal, soldering of the DIT (IC3405) or the IC itself may be defective. Check the soldering status. If soldering is OK, replace the defective part.	10.35 WAVEFORMS 1-87 1-88 1-89 1-90

[4] USB

[4-1] No connection to the PC, No signal is input to and output from the USB connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	CD/LINE, PHONO, LINE, USB */ selector settings, PC settings	- Check that the selector is set to USB*/. - Check that the driver software dedicated for the DJM-750 has been installed on the customer's PC. - Check that the DJM-750 utility of the connected PC is set properly.	_____	Operating instructions
1	Loose connection /defective parts	MAIN Assy CN2602 V+5VBUS pin 5 1-91 D+USB pin 4 1-92 D-USB pin 3 1-93	- Check that the voltage at Pin 5 (V+5VBUS) of CN2602 is about 5 V (4.75 to 5.25) using a PC connected. - Check for the D+USB and D-USB signals.	- If any signal is abnormal, soldering of any part in the signal path from the PC to the MAIN Assy may be defective. Check for any breakage in the cable and check the soldering status. If both are OK, replace the defective part. - If all signals are normal, soldering of any part in the signal path from CN2602 to the USB UCOM (IC2603) or the USB UCOM (IC2603) is defective. Check the soldering status. If soldering is OK, replace the defective part.	10.35 WAVEFORMS 1-92 1-93

[4-2] No timecode signal output from the mixer.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	CD/LINE, PHONO, LINE, USB */ selector settings, PC settings	- Check that the selector is set to USB*/. - Check that the driver software dedicated for the DJM-750 has been installed on the customer's PC. - Check that the DJM-750 setting utility of the connected PC is set properly. - When using a DJ player (when using a Time code (control CD,)) check that the DJ player is connected via the CD/LINE connector. When using a turntable (when using a Time code (control turntable,)) check that the turntable is connected via the PHONO connector.	_____	Operating instructions
1	Incorrect setting	PC Setting Utility ① (at the CD/LINE input)	Start up the Setup Utility that has been installed on the customer's PC then click on the MIXER OUTPUT tab. Check that CH* Timecode CD/LINE is selected.	If CH* Timecode PHONO is selected, set it to CH* Timecode CD/LINE.	Operating instructions
2	Incorrect setting	PC Setting Utility ② (at the PHONO input)	Start up the Setup Utility that has been installed on the customer's PC then click on the MIXER OUTPUT tab. Check that CH* Timecode PHONO is selected.	If CH* Timecode CD/LINE is selected, set it to CH* Timecode PHONO.	Operating instructions
3	Incorrect setting	Timecode signal output	Because the setting varies depending on the application used, see "5.11 DVS CONFIRMATION METHOD" for a simplified check method.	If the setting cannot be confirmed properly with the method described in the left column, possible reasons are as follows: ① The channel for USB AUDIO output of the DJM-750 and that for USB AUDIO input of TRAKTOR2 do not match. ⇒ Check the channel setting on the Input Routing screen in the Preferences window of TRAKTOR2 and that of the PC Setup Utility. ② Connection between an external device (DJ player, turntable) and the DJM-750 is not properly made. ⇒ Check the connection and check if the RCA cables are broken. After checking the above-mentioned items, check the setting of the application used again. If the symptom persists, a failure in hardware may be suspected. Check the CD/LINE and PHONO inputs and USB output, referring to [2-1] and [4-1] of Troubleshooting.	5.11 DVS CONFIRMATION METHOD Operating instructions

[5] FL

The FL is controlled by the SUB UCOM (IC6601).

[5-1] The FL does not light.

The driver power to be supplied to the FL is produced at the MAIN Assy.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Power failure	PNLA Assy V6601 pin 24 3-12 pin 1 3-10 pin 25 3-9 MAIN Assy IC1407 V+3R3D Block 1-94 IC1405 V+5DBlock 1-95 IC1403 V+34DBlock 1-96	Check for the voltage of the FL. (V+3R3D_PA/V+5D_LED_PA/V+34D_PA)	If no loose connection is detected with the FL of the PNLA Assy but power voltage is not detected, check the mounting status of the DC-DC converter IC and peripheral parts for each voltage point of the MAIN Assy. If an error is detected, repair the defective parts.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
2	Filament voltage error of the FL	PNLA Assy V6601: Voltage between pins 1P to 32P 3-11	Check that the FL filament voltage is 2.3 V.	If the voltage is outside the normal range, a bias circuit error of the FL may be suspected. Check the mounting status of Q6601, Q6602, and peripheral parts. If there is no problem, Q6601 or Q6602 may be defective. Replace them.	—————
3	Signal errors	PNLA Assy V6601 pin 22 3-14 pin 21 3-13 pin 23 3-15 pin 24 3-16	Check for the output signal of the FL communication line and the cable connection status in the PNLA Assy. • FL_SCK • FL_TXD • FL_LAT • FL_BK	If no signal is output, check for the mounting status of SUB UCOM (IC6601). If there is no problem, the port may be defective. Replace it. If soldering is improper, resolder it.	10.35 WAVEFORMS 3-14 3-13 3-15 3-16
4	Defective FL	PNLA Assy	If the symptom persists after the above corrections.	FL may be defective. Replace it.	—————

[6] LED/Button/SW/VR

The FL is controlled by the SUB UCOM (IC6601) and SUB UCOM (IC6601).

See "4.5 LED, KEY, VR ASSIGNMENTS".

[6-1] Do not accept button /SW/VR operation

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Defective button, SW, VR	TEST MODE	Check for each buttons /SWs/VRs works correctly with TEST MODE.	Each parts may be defective. Replace it.	6.1 TEST MODE

[6-2] LED display is abnormal

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Defective LED	TEST MODE	Check for each LEDs works correctly with TEST MODE.	Each parts may be defective. Replace it.	6.1 TEST MODE

A [7] CONTROL

The control signal is output from the FPGA (IC3007).

To make the diagnostic procedure easier, set the CROSS FADER ASSIGN selectors for all channels to THRU before starting diagnosis.

[7-1] The FADER START function does not work

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	FADER START (CH2, CH3) button settings	Check that the FADER START (CH2, CH3) button is set to ON.	—————	Operating instructions
1	Signal errors/ Loose connection	MAIN Assy C231 to C238 (1-97) Representative CH1	- Check for the FADER_START signal when the CH FADER is changed from 0 to 10. - Check for the FADER_STOP signal when the CH FADER is changed from 10 to 0.	- If the signal is output, the CONTROL cable may be defective. Replace it. - If the signal is not output, go to [2].	10.35 WAVEFORMS (1-97)
2	Power failure	MAIN Assy R222 (1-98)	Check for the V+5D_CONTROL power.	- If the V+5D_CONTROL power can be confirmed, go to [3]. - If V+5D_CONTROL power cannot be found, soldering of any part in the V+5D_CONTROL power path may be defective. Check the soldering status. If soldering is OK, replace the defective part.	4.6 POWER BLOCK DIAGRAM 5.4 INFORMATION ON POWER DIAGNOSTICS
3	Signal errors/ defective parts	MAIN Assy R3057, R3058 (1-99) Representative CH1	- Check for the FADER_START signal when the CH FADER is changed from 0 to 10. - Check for the FADER_STOP signal when the CH FADER is changed from 10 to 0.	- If signal is output, the CONTROL block must be improperly defective. Replace it. - If no signal is output, the FPGA (IC3007) must be improperly soldered or defective.	10.35 WAVEFORMS (1-99)

5.4 POWER SUPPLY DIAGNOSIS INFORMATION

	Observing Point	Name	Remarks	Normal Voltage Level	Possible defective point when a voltage error is generated	Standby State (Power SW ON)
MAIN ASSY	1	V+11E_UNREG		7.2 to 18	MAIN UCOM (IC2803), RESET IC (IC2801), SETUP LED (PNLA ASSY)	ON
	2	V+13D_UNREG		9.7 to 17	ALL DIGITAL CIRCUIT	OFF
	3	V+15A (V+15A_*)		14.25 to 15.75	ANALOG AUDIO CIRCUIT	OFF
	4	V-15A (V-15A_*)		-15.75 to -14.25	ANALOG AUDIO CIRCUIT	OFF
	5	V+5A (V+5A_*)		4.7 to 5.4	DAC, ADC	OFF
	6	V+5D (V+5D_*)		4.75 to 5.35	FL, LED, DIGITAL OUT, MAIN UCOM (IC2803)	OFF
	7	V+3R3E (V+3R3E_*)		3.2 to 3.4	MAIN UCOM (IC2803), RESET IC (IC2801), SETUP LED (PNLA ASSY)	ON
	8	V+3R3A (V+3R3A_*)		3.2 to 3.4	ADC	OFF
	9	V+3R3D (V+3R3D_*)		3.15 to 3.45	ALL DIGITAL CIRCUIT	OFF
	10	V+3R3D_REFA (V+3R3D_REFA_*)		3.15 to 3.45	MAIN UCOM (IC2803)	OFF
	11	V+2R5D (V+2R5D_*)		2.4 to 2.6	USB UCOM (IC2603)	OFF
	12	V+1R2D (V+1R2D_*)		1.1 to 1.28	FPGA (IC3007), DSP (IC3201), USB UCOM (IC2603)	OFF
	13	V+34D (V+34D_*)		31 to 36	FL	OFF
	14	V+5VBUS	Power of the connected PC	4.75 to 5.25	USB communication failure	ON
INPUT ASSY	15	V+15A		14.25 to 15.75	INPUT CIRCUIT	OFF
	16	V-15A		-15.75 to -14.25	INPUT CIRCUIT	OFF
SEC/HP ASSY	17	V+15A_UNREG		17.6 to 27.8	ANALOG AUDIO CIRCUIT	OFF
	18	V-15A_UNREG		-17.6 to -27.8	ANALOG AUDIO CIRCUIT	OFF
	19	V+5A_UNREG		7.4 to 12.0	DAC, ADC	OFF
	20	V+13D_UNREG		9.7 to 17	ALL DIGITAL CIRCUIT	OFF
	21	V+HP_UNREG	Before the polyswitch	4.5 to 9.5	HP CIRCUIT	OFF
	22	V+HP_UNREG_1	After the polyswitch	4.5 to 9.5	HP CIRCUIT	OFF
	23	V-HP_UNREG		-4.5 to -9.5	HP CIRCUIT	OFF
	24	V+15A		14.25 to 15.75	ANALOG AUDIO CIRCUIT	OFF
	25	V-15A		-15.75 to -14.25	ANALOG AUDIO CIRCUIT	OFF
	26	V+5A		4.7 to 5.4	DAC, ADC	OFF
REG ASSY	27	V+15A_UNREG		17.6 to 27.8	ANALOG AUDIO CIRCUIT	OFF
	28	V-15A_UNREG		-17.6 to -27.8	ANALOG AUDIO CIRCUIT	OFF
	29	V+5A_UNREG		7.4 to 12.0	DAC, ADC	OFF
	30	V+15A		14.25 to 15.75	ANALOG AUDIO CIRCUIT	OFF
	31	V-15A		-15.75 to -14.25	ANALOG AUDIO CIRCUIT	OFF
	32	V+5A		4.7 to 5.4	DAC, ADC	OFF
PNLA ASSY	33	V+5D_LED (V+5D_LED*)		4.75 to 5.35	FL,LED	OFF
	34	V+3R3E		3.2 to 3.4	SETUP LED	ON
	35	V+3R3D (V+3R3D_*)		3.15 to 3.45	FL, SUB UCOM (IC6601)	OFF
	36	V+34D (V+34D_*)		31 to 36	FL	OFF
	37	V+3R3D_REFA (V+3R3D_REFA_*)		3.15 to 3.45	CH1-4 FADER, CROSS FADER	OFF
PNLB ASSY	38	V+3R3_REFB (V+3R3D_REFB_*)		3.15 to 3.45	VR	OFF
	39	V+3R3D_REFA (V+3R3D_REFA_*)		3.15 to 3.45	CROSS FADER	OFF

ex) V+15A_*.....V+15A_O, V+15A_IN, etc....

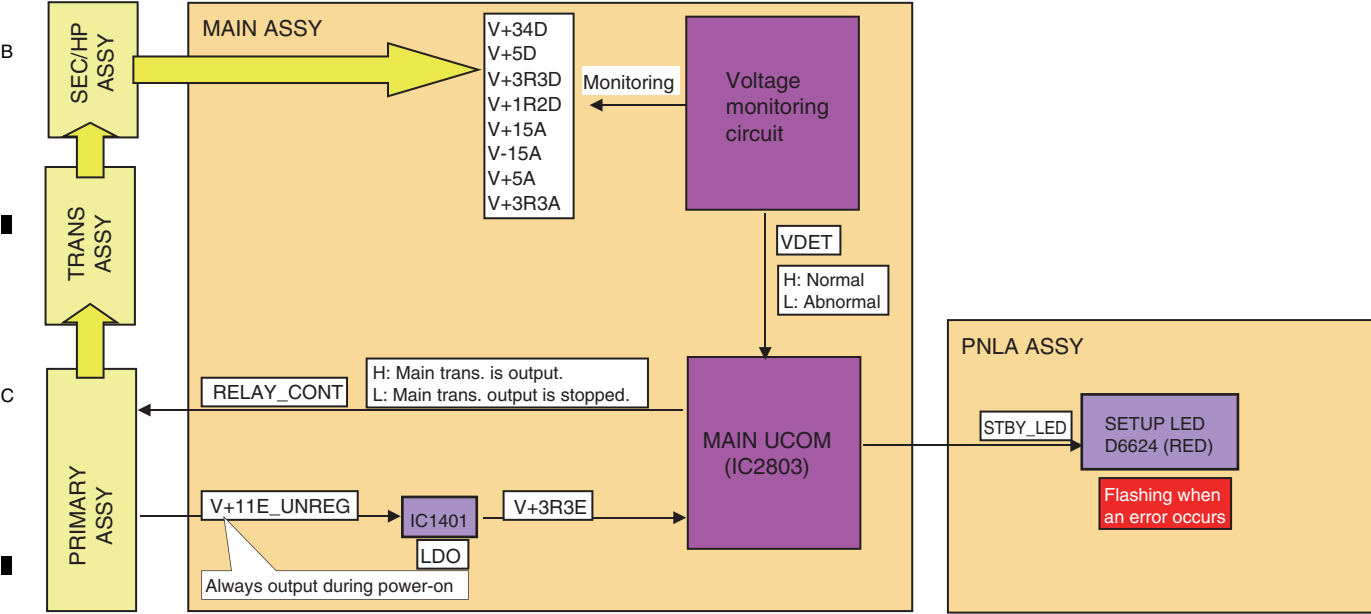
A

Voltage-Monitoring Circuit

This unit monitors the voltages of the main power-supply ICs, using the VDET signal.
The VDET signal level is high (+3.3 V) during normal operations. When the level becomes low (0 V), detect abnormality in the MAIN UCOM (IC2803).

Product behavior when an error is generated

If power failure is detected with the VDET signal, the MAIN UCOM will stop supplying the primary source of power to the main transformer, setting the RELAY_CONT signal to low and interrupting the relay RY3001.



The MAIN UCOM also informs of power failure with flashing of the SETUP button, by sending the STBY_LED signal:
Flashing intervals: 250 ms (lit for 125 ms/unlit for 125 ms)

D

As the switching-system output is stopped, the indications other than the SETUP 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 power supply to the main transformer 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.

E

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

Circuit diagram of the voltage-monitoring section

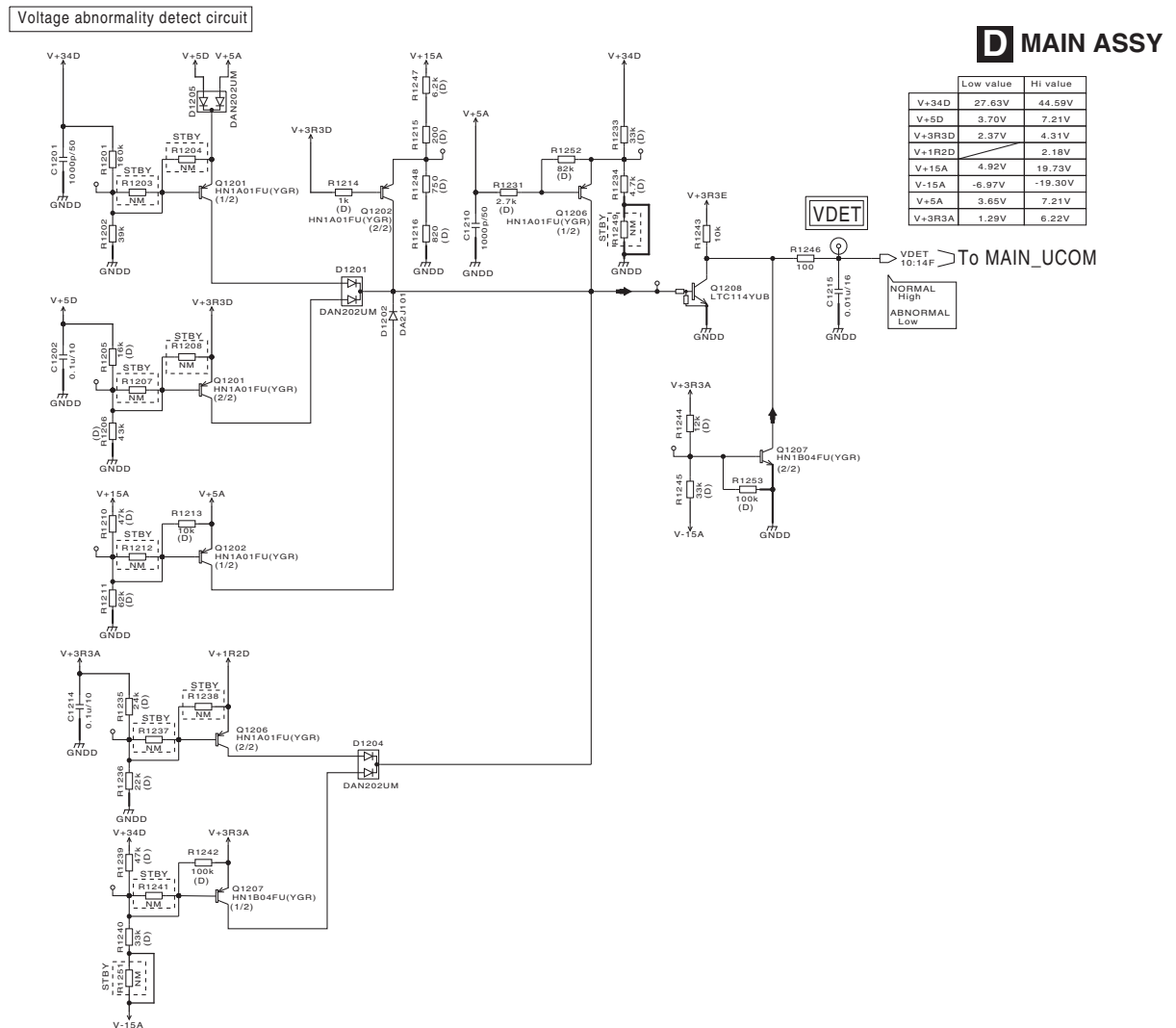


Table 1: Voltage value of the voltage-monitoring section

Power	Over voltage / Under voltage	Threshold		Cause of error detection
		Detection range in consideration of variations	Center value	
V+34D	+	More than 38.50 to 49.57 V	44.59 V	Abnormality around IC1403
	-	19.72 to 30.29 V or less	27.63 V	Abnormality around IC1403 or, Short-circuiting at GND or different power supply
V+5D	+	More than 6.08 to 8.43 V	7.21 V	Abnormality around IC1404 or, Short-circuiting at different power supply
	-	3.37 to 4.30 V or less	3.70 V	Abnormality around IC1404 or, Short-circuiting at GND or different power supply
V+3R3D	+	More than 3.89 to 4.65 V	4.31 V	Abnormality around IC1405 or, Short-circuiting at different power supply
	-	1.26 to 2.81 V or less	2.37 V	Abnormality around IC1405 or, Short-circuiting at GND or different power supply
V+1R2D	+	More than 1.87 to 2.38 V	2.18 V	Abnormality around IC1408 or, Short-circuiting at different power supply
V+15A	+	More than 17.43 to 21.54 V	19.73 V	Short-circuiting at regulator (IC5002) IN/OUT
	-	3.72 to 7.23 V or less	4.92 V	Short-circuiting at GND or different power supply
V-15A	+	More than -17.07 to -21.55 V	-19.30 V	Short-circuiting at regulator (IC5003) IN/OUT
	-	-6.24 to -8.29 V or less	-6.97 V	Short-circuiting at GND or different power supply
V+5A	+	More than 6.08 to 8.43 V	7.21 V	Short-circuiting at regulator (IC5001) IN/OUT
	-	3.27 to 4.32 V or less	3.65 V	Short-circuiting at GND or different power supply
V+3R3A	+	More than 4.01 to 6.72 V	6.22 V	Short-circuiting at regulator (IC1402) IN/OUT
	-	1.12 to 1.95 V or less	1.29 V	Short-circuiting at GND or different power supply

A

This unit monitors the voltages of the main power-supply ICs, using the voltage-monitoring circuit. As resettable fuses (PolySwitches) are also used, some circuits cannot be monitored by the voltage-monitoring circuit when any resettable fuse is activated.

The resettable fuse opens when excess current flows and will be restored to a conductive state after the cause of the corresponding circuit error is removed. (Replacement of the resettable fuse is not required if the corresponding circuit error is remedied.)

■

Circuits using the resettable fuses

SEC/HP ASSY

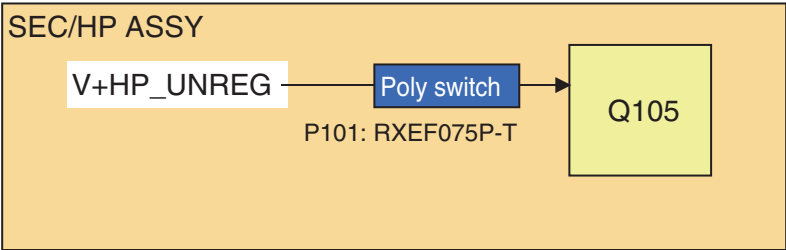
Power-supply line using a resettable fuse: V+HP_UNREG

A circuit in the SEC/HP Assy may be in failure if the voltages of the above-mentioned power in the SEC/HP Assy are 0 V, with the UTILITY LED (STBY_LED) not flashing.

B

Possible causes: Abnormal or no HP output

Item to be checked: Check if there is any abnormality in the periphery of Q105 or Q106.



■

Diagnostic procedure when any resettable fuse is activated

1. Unplug the AC power cord.
2. Check for any error, such as short-circuiting or defective parts, in the circuits downstream from the resettable fuse.
3. Repair the detective part.

5.7 ABOUT PROTECTOR

D

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

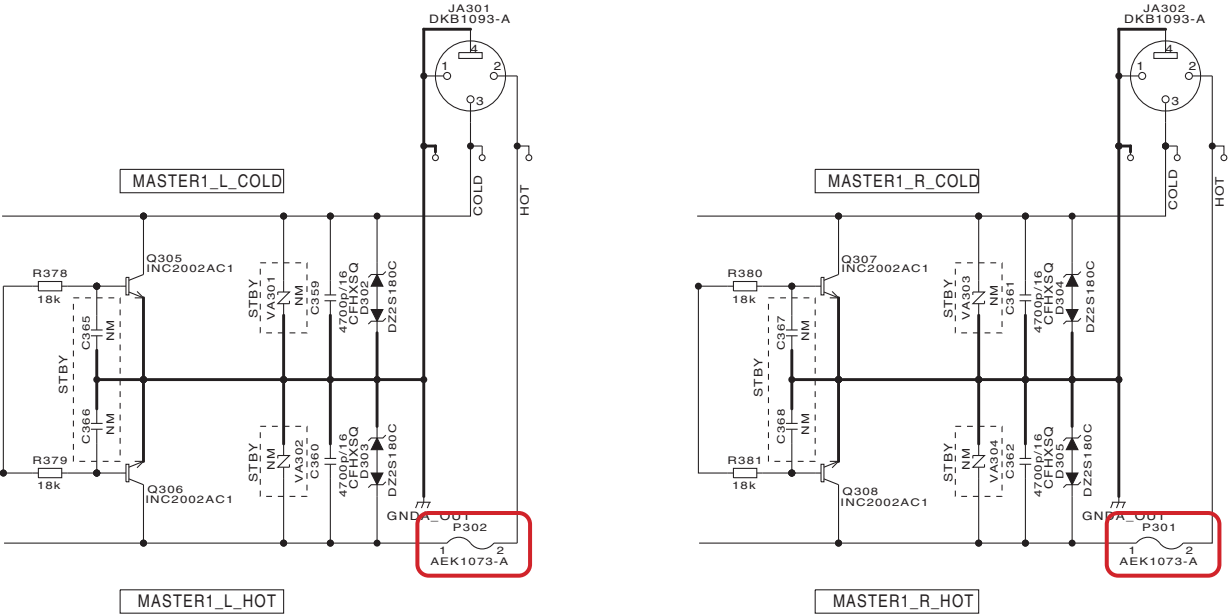
If the specified signal from the MASTER 1 connectors (XLR) is not properly output, check if any ICP is activated.

D

MAIN ASSY

MASTER1 L

MASTER1 R

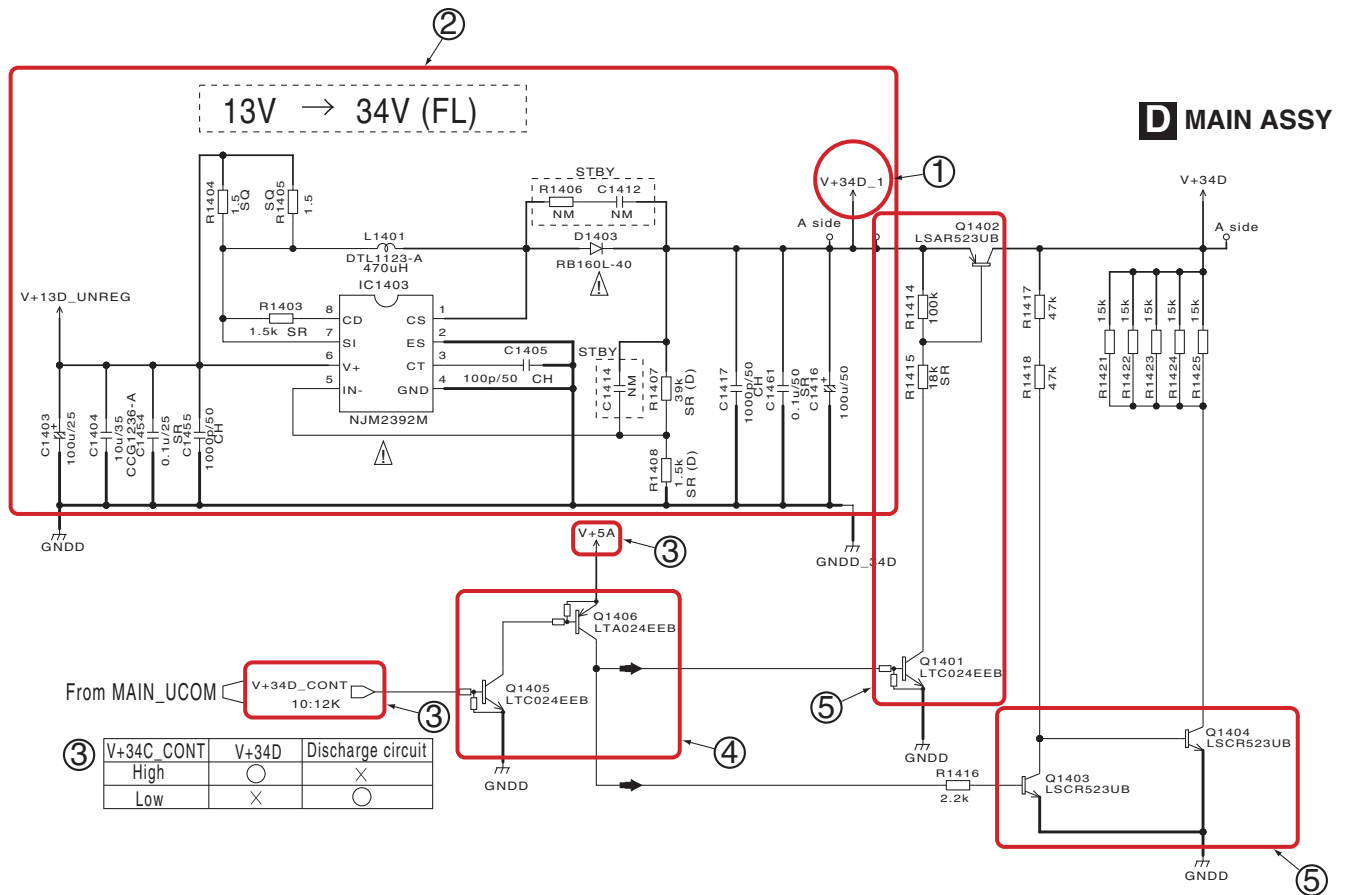


5.8 V+34D DIAGNOSIS

The driver power output for the FL (V+34D) is controlled with a transistor switch.

Diagnostic procedures when only V+34D is not output

- ① Check V+34D_1 at the prior stage of the transistor (Q1402).
- ② If no signal is detected at V+34D_1, the mounting status of the peripheral parts of the 34V DC/DC converter (IC1403) may be improper or IC1403 itself may be defective.
- ③ If a signal is detected at V+34D_1, check the Q1405 and Q1406.
If V+34D_CONT is L, the mounting status of the MAIN UCOM (IC2803) may be improper or IC2803 itself may be defective.
If V+5A is 0 V, confirm an output of IC5001 of REG Assy and connection state.
- ④ If both V+34D_CONT and V+5A are H:
If the output signal from Q1406 is L, the mounting status of Q1406 may be improper or Q1406 itself may be defective.
- ⑤ When the above does not have any problem, the following problems are thought about.
 1. The mounting status of the peripheral parts of Q1401 or Q1402 may be improper or Q1401/Q1402 may be defective.
 2. The mounting status of the peripheral parts of Q1403 or Q1404 may be improper or Q1403/Q1404 may be defective.



5.9 ERROR INDICATIONS

Indications of Errors during Startup

Error indication	Error	Detection timing	Detection method	Defective part	Diagnostic procedure
Continuous flashing of the SETUP LED (lit for 125 ms/unlit for 125 ms)	Abnormal voltage	Under constant monitoring	Monitoring of the VDET signal with the voltage-monitoring circuit	Power	Troubleshooting: [1-2]
	FPGA configuration failed.	During power-on sequence*	Monitoring of the FPGA_xINIT/FPGA_DONE signal	FPGA (IC3007) circuitry	
Repeated 4-time flashing of the SETUP LED (lit and unlit for 250 ms each 4 times then unlit for 1 s)	MAIN UCOM ROM error	During power-on sequence*	Confirmation of internal ROM verification	MAIN (IC2803) circuitry	Troubleshooting: [1-3]
The FL display freezes, with the display shown below. 	FL display data cannot be received by the SUB UCOM.	During power-on sequence*	FL display data are not output from the MAIN UCOM.	Mainly FPGA (IC3007) circuitry	Troubleshooting: [1-4]
Repeated 5-time flashing of the SETUP LED (lit and unlit for 250 ms each 5 times then unlit for 1 s)	Handshake between MAIN and SUB failed.	During power-on sequence*	Confirmation of communication verification between MAIN UCOM and SUB UCOM via FPGA	BUS line between MAIN UCOM and FPGA	Troubleshooting: [1-5]
Repeated one-time flashing of the SETUP LED (lit then unlit for 250 ms each once then unlit for 1 s)	Handshake between MAIN and DSP failed.	During power-on sequence*	Confirmation of communication verification between MAIN UCOM and DSP via FPGA	DSP (IC3201) circuitry	Troubleshooting: [1-6]
Repeated 6-time flashing of the SETUP LED (lit and unlit for 250 ms each 6 times then unlit for 1 s)	Handshake between MAIN and USB failed.	During power-on sequence*	Confirmation of verification with the UART signal between MAIN UCOM and USB UCOM	USB (IC2603) circuitry	Troubleshooting: [1-7]

*See "5.1 POWER ON SEQUENCE."

Indications of Errors during Updating

* Be sure to perform updating properly, referring to "8.2 UPDATING OF THE FIRMWARE."

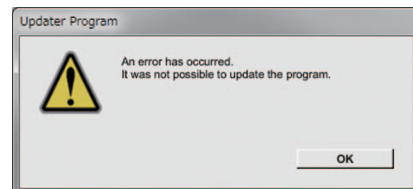
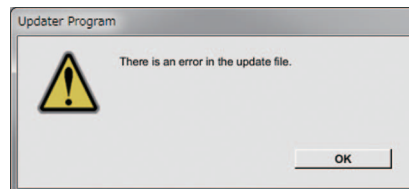
Indications on the unit

Effect display	Parameter display	Flashing of the SETUP LED*	Details of the error	Corrective action
[ERROR]	[E004]	Four times	MAIN UCOM UPDATE error	Perform updating again.
[LOADING]	None	Five times	SUB UCOM UPDATE error	Perform updating again.
[ERROR]	[E001]	Once	DSP Data UPDATE error	Perform updating again.
[ERROR]	[E001]	Once	DSP Program UPDATE error	Perform updating again.
[ERROR]	[E006]	Six times	USB UCOM UPDATE error	Perform updating again.
[ERROR]	[E008]	Eight times	USB-BOOT UPDATE error	Perform updating again.
[ERROR]	[E002]	Twice	FPGA UPDATE error	Perform updating again.
[ERROR]	[E009]	Nine times	SYS Ver. UPDATE error	Perform updating again.
[ERROR]	[E000]	Non	Other errors	Perform updating again.

*The SETUP LED flashes with a set of lit and unlit for 250 ms each for the specified number of times then unlit for 1 s.

Indications on the PC

Messages in the window	Error	Corrective action
! Your DJM-750 is not connected.	This message is displayed when the mixer and the PC are not connected.	After checking the connection via the USB connectors, perform updating again. See "Troubleshooting: [4-1]" if any error in USB connection is suspected.
! There is an error in the update file.	This message is displayed when no proper UPD file is found.	Download the UPD file again then perform updating again.
! An error has occurred. It was not possible to update the program.	This message is displayed when updating in progress was canceled because of an error.	Perform updating again.



5.10 CONNECTION CHECK WITH EACH INTERFACE

■ USB

[USB Bconnector]

Whether communication between the PC connected via the USB B connector and this unit is properly performed or not can be confirmed on the PC.

Note: The driver software must be installed beforehand.

■ Use Device Manager for checking.

If the PC and this unit are properly connected, the components of this unit are added in Device Manager (under Hardware) as devices.

If all components are properly displayed, the PC and this unit are properly communicating via the USB connector.

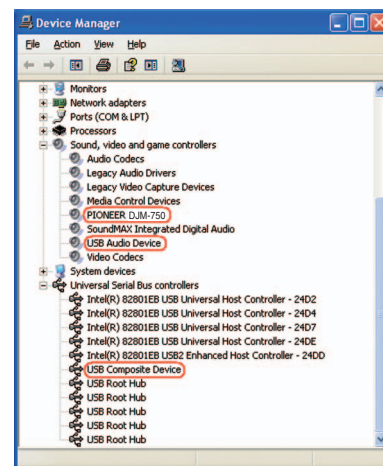
In a case of Windows XP:

Start, Control Panel, System, Hardware, then Device Manager

Devices to be added:

- Universal Serial Bus controllers
USB Composite Device
- Under “Sound, video and game controllers”
PIONEER DJM-750
USB Audio Device

A communication check may be easily performed if connection is made with Device Manager displayed on the PC screen.



5.11 DVS CONFIRMATION METHOD

A What is the DVS (Digital Vinyl System)?

The Digital Vinyl System (DVS) enables control of DJ software with normal DJ's operations of the CDJs or turntables, with use of a control CD or VINYL supplied with DJ software that supports the DVS. A control disc contains timecodes for controlling DJ software, which enable playback of music files stored on the PC from an assigned playback position at an assigned playback speed.

Note: For checking operations as the DVS, a control CD (CD on which timecodes are recorded) is required. However, assuming a case where no control CD is available, a simple check procedure using a music CD is explained here.

Necessary Items

- PC with the USB driver and TRAKTOR (demo version or TRAKTOR DDJ-T1 EDITION possible) installed
- Can download the Traktor demo version from the following URL.
<http://www.native-instruments.com/#/en/products/dj/traktor-pro-2/?page=1975>
- Media (CD, etc.) for checking operations, CDJ player

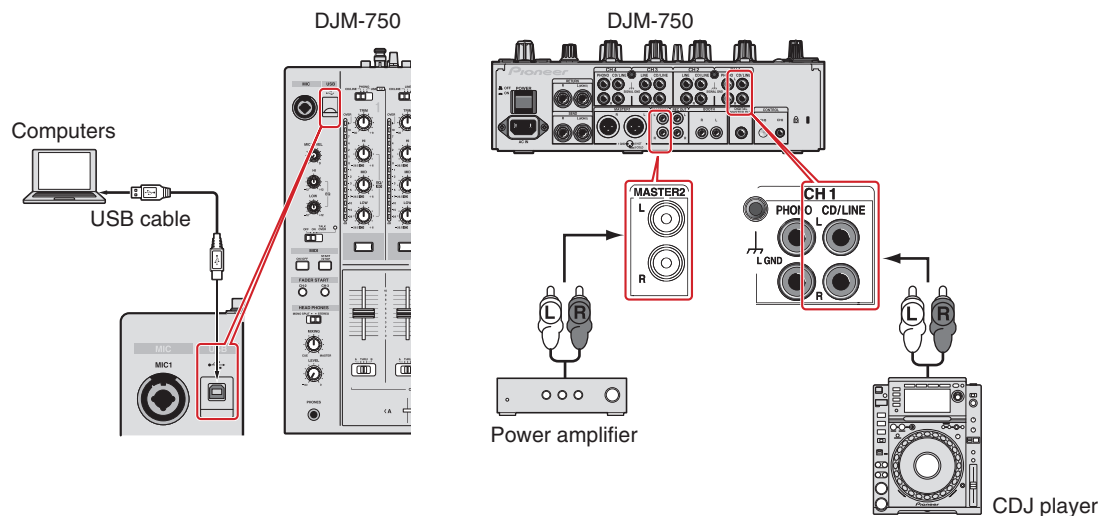
Check Procedures

1. Connect this unit and a PC, using the USB cable.
 2. Connect the audio output of CDJ Player to the CD/LINE of CH1 of this unit.
 3. Set the CD/LINE, PHONO, LINE, and USB */* selectors to USB1/2.
 4. For details on settings to be made on the PC, see "Settings for the Driver" and "Settings on TRAKTOR" below.
 5. Play back the CDJ Player, and check the following items:
 - The level meters of Input Routing and Master Out on the TRAKTOR move in sync with audio output signals.
 - The Master Out is output normally.
- *Repeat the above steps for channels 2 to 4, to check the DVS paths.

Note:

The Master Out signal will not be output if the MAIN volume control is set to the minimum volume position. If the MAIN volume indicators are not displayed on the screen, set the TRAKTOR screen to Full screen.

[Connection Diagram (When the CDJ Player is Connected to CH1)]



Settings for the Driver

Start up the "DJM-750 Settings Utility".

(Reference)

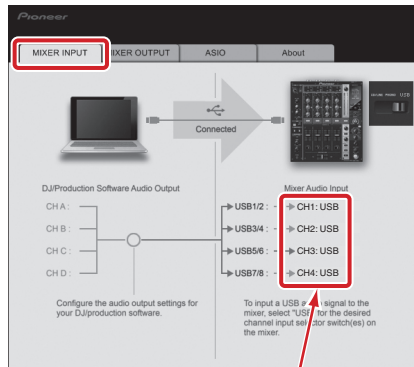
For Windows

Click [Start] menu → [All Programs] → [Pioneer] → [DJM-750] → [DJM-750 Settings Utility].

For MacOS

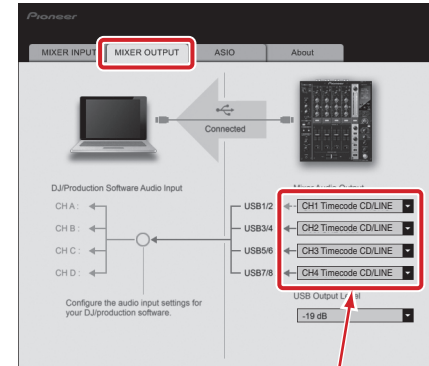
Click [Macintosh HD] → [Applications] → [Pioneer] → [DJM-750] → [DJM-750 Settings Utility].

MIXER INPUT



When the CD/LINE, PHONO, LINE, and USB */* selectors of the mixer are set to USB*/*, "USB" must be displayed on the PC screen.

MIXER OUTPUT



Set the Timecode CD/LINE.

A Settings on TRAKTOR

① After starting TRAKTOR, set the deck layout, in "Mixer".

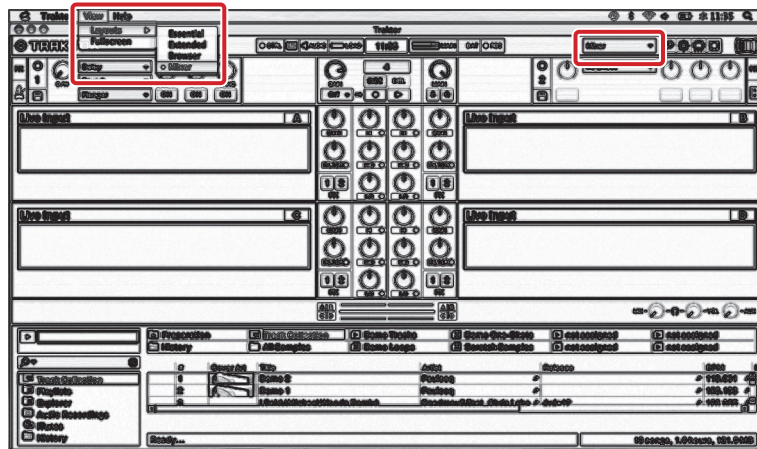


Figure of TRAKTOR2 screen image

② Set the deck A to D, in "Live Input".

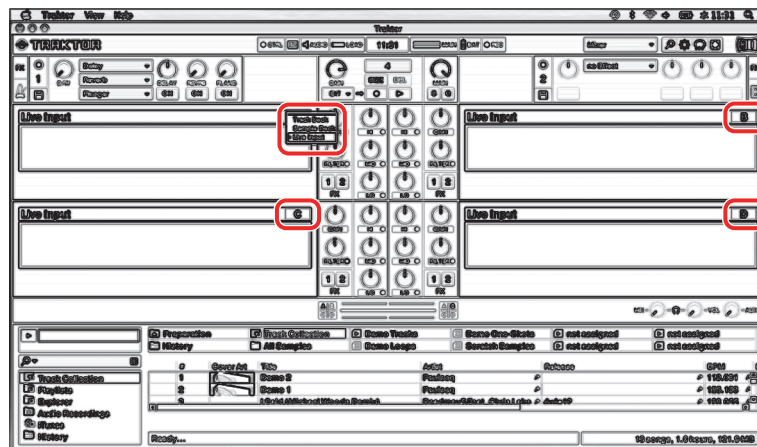


Figure of TRAKTOR2 screen image

③ Select Traktor then Preferences, or click on the "Preferences" button.

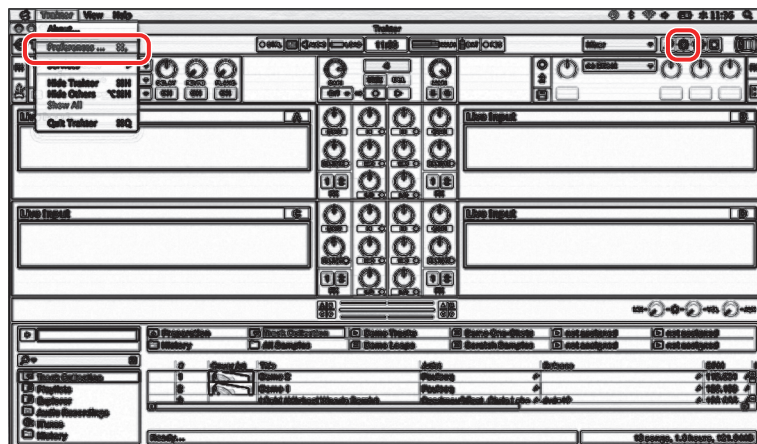


Figure of TRAKTOR2 screen image

- ④ In "Audio Setup", select for Windows: PIONEER DJM-750 ASIO, for Mac OS: PIONEER DJM-750.

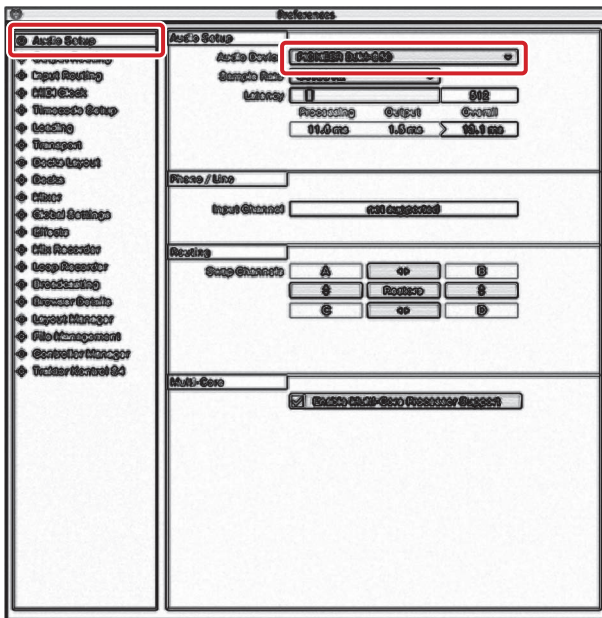


Figure of TRAKTOR2 screen image

- ⑥ In "Input Routing", select "Input Channel A-D".

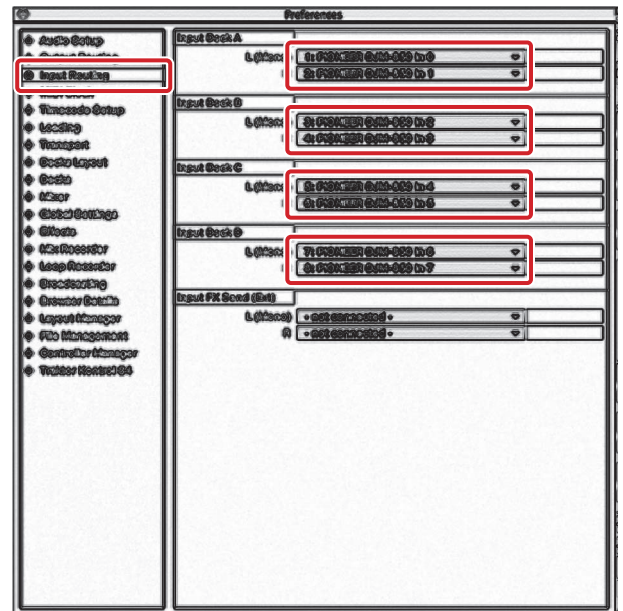


Figure of TRAKTOR2 screen image

- ⑤ In "Output Routing", select "External, Output Channel A-D".

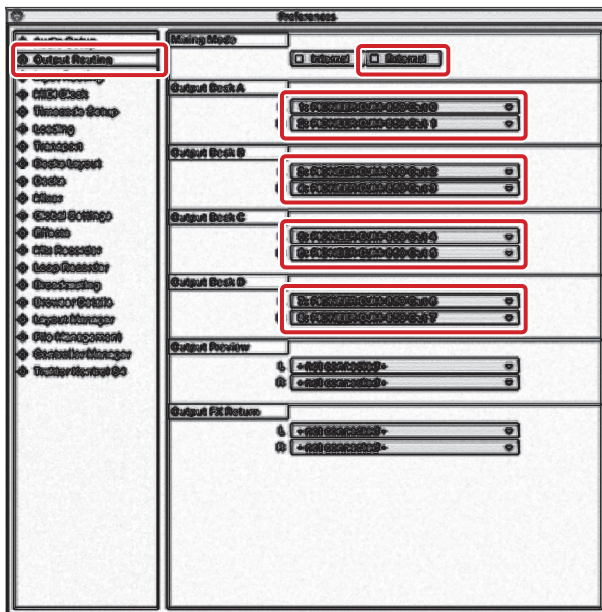


Figure of TRAKTOR2 screen image

With the above settings, CH 1 of the mixer is assigned to Deck A, CH 2 to Deck B, CH 3 to Deck C, and CH 4 to Deck D.

- ⑦ Close the "Preferences" window, by clicking on the Close "x" button.

- ⑧ Play the Audio signal of a Player connected to the Mixer, and confirm that a sound is output by the MASTER output.
The TRIM knob, Channel Fader, MASTER LEVEL knob of the input path do operation like normal mixer use.

6. SERVICE MODE

6.1 TEST MODE

1. Description of Test Modes

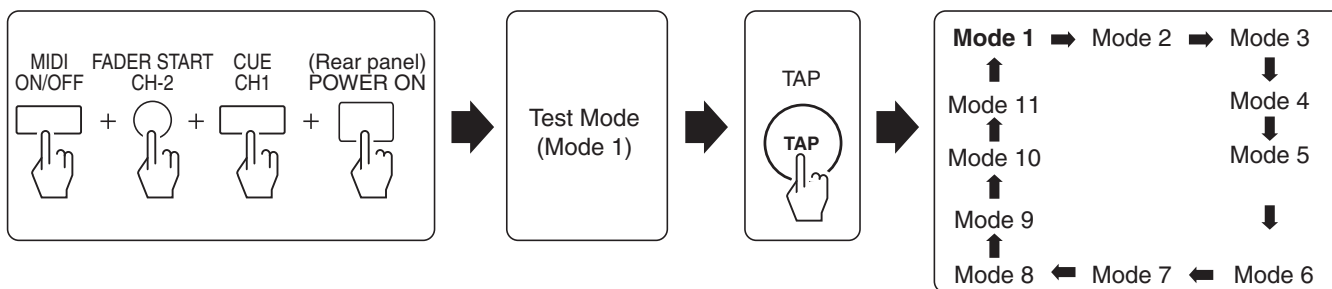
The Following 10 test modes are provided for this unit:

- ① Mode 1 : Confirmation of software version. "Version"
- ② Mode 2 : All LEDs & FL display "OFF" mode. "ALL CLR"
- ③ Mode 3 : ALL LEDs & FL display "ON" mode. "ALL SET"
- ④ Mode 4 : KEY operating test. "KEY TEST"
- ⑤ Mode 5 : SELECT SW Operating test. "SW TEST"
- ⑥ Mode 6 : Rotary VRs value test. "VOLTEST"
- ⑦ Mode 7 : Fader test. "FDRTEST"
- ⑧ Mode 8 : Confirmation of device. "DEVICE"
- ⑨ Mode 9 : Channel Level Indicator LED test. "LEDTEST"
- ⑩ Mode 10 : AD values of the rotary VRs test. "VOL AD"
- ⑪ Mode 11 : AD values of the fader test. "FDR AD"

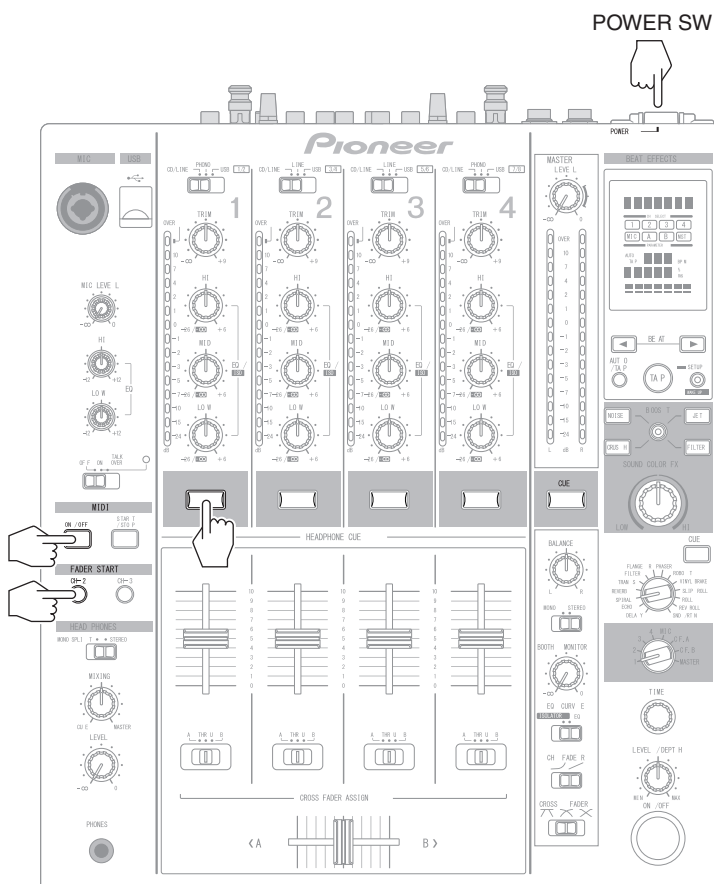
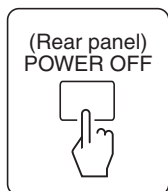
2. Test Mode

Test Mode : ON

Cyclic operation



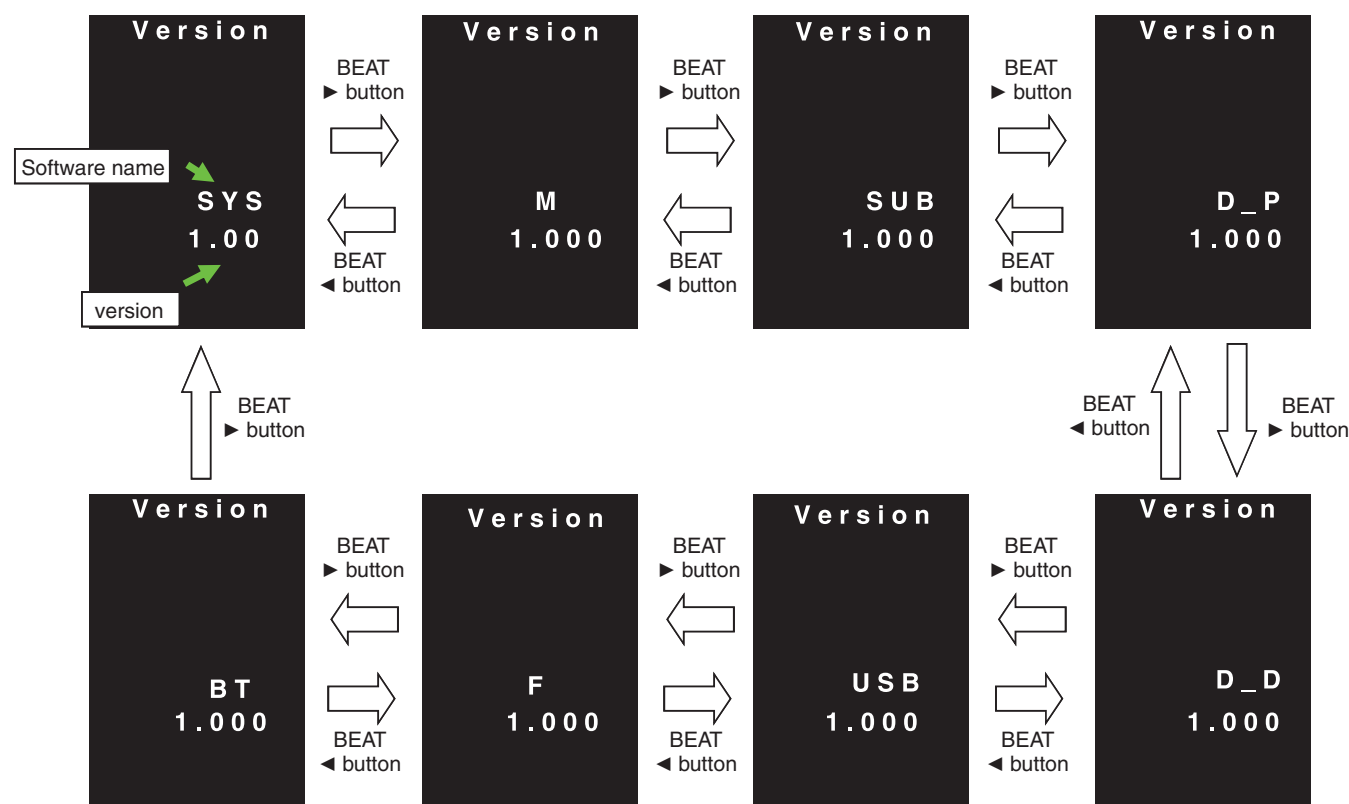
Test Mode : CANCEL



3. Test mode Contents

① Mode 1 : Confirmation of software version

- Mode for confirmation of the versions of the system, MAIN UCOM, SUB UCOM, DSP (program), DSP (data), USB UCOM, FPGA and BOOT.
When this mode is entered, "Version" is displayed at the top of the FL display.
- Mode 1 consists of 8 pages for indicating the versions of the system, MAIN UCOM, SUB UCOM, DSP (program), DSP (data), USB UCOM, FPGA and BOOT.
The pages can be changed by pressing the BEAT ◀, ▶ button.
When Mode 1 is entered, the System Version Display mode is automatically entered.



Software Name	FL Display
System	SYS
MAIN UCOM	M
SUB UCOM	SUB
DSP (program)	D_P
DSP (data)	D_D
USB UCOM	USB
FPGA	F
BOOT	BT

A ② Mode 2 : All LEDs & FL display “OFF” mode

- Mode for extinguishing all the LEDs and FL segments.
Only after this mode is entered, “ALL CLR” is displayed for about 1 second at the top of the FL display.

B ③ Mode 3 : All LEDs & FL display “ON” mode

- Mode for lighting all the LEDs and FL segments.
Only after this mode is entered, “ALL SET” is displayed for about 1 second at the top of the FL display.

④ Mode 4 : Key operating test

- Mode for indicating a pressed key with lighting of an LED and indication on the FL display.
When this mode is entered, “KEYTEST” is displayed at the top of the FL display.
- The name of a pressed key is indicated on the FL display and The key LED which can light lit.

Operating Keys	Lighting LED	FL Display	Remark
MIDI ON/OFF button	MIDI ON/OFF button LED	MD_ON	
MIDI START/STOP button	None	MD_ST	
FADER START CH-2 button	FADER START CH-2 button LED	FSCH2	
FADER START CH-3 button	FADER START CH-3 button LED	FSCH3	
CUE CH1 button	CUE CH1 button LED	CUE_1	
CUE CH2 button	CUE CH2 button LED	CUE_2	
CUE CH3 button	CUE CH3 button LED	CUE_3	
CUE CH4 button	CUE CH4 button LED	CUE_4	
CUE MASTER button	CUE MASTER button LED	CUE_M	
CUE EFFECT button	CUE EFFECT button LED	CUE_E	
BEAT ◀ button	None	BEAT<	
BEAT ▶ button	None	BEAT>	
AUTO/TAP button	None	AUTO	
SETUP (WAKE UP) button	SETUP (WAKE UP) button LED	SETUP	
COLOR FX NOISE button	COLOR FX NOISE button LED	CFX_1	
COLOR FX JET button	COLOR FX JET button LED	CFX_2	
COLOR FX CRUSH button	COLOR FX CRUSH button LED	CFX_3	
COLOR FX FILTER button	COLOR FX FILTER button LED	CFX_4	
BOOST button	BOOST button LED and COLOR control LED	BOOST	
EFFECT ON/OFF button	EFFECT ON/OFF button LED	EFXon	

⑤ Mode 5 : SELECT SW Operating test. "SW TEST"

- When this mode is entered, "SW TEST" is displayed at the top of the FL display.

Operating Switches		Lighting LED		Remark
CD/LINE, PHONO, USB 1/2 selector switch CH1	: CD/LINE	CH1 Channel Level Indicator LED	7 dB	
	: PHONO		10 dB	
	: USB 1/2		OVER	
CD/LINE, LINE, USB 3/4 selector switch CH2	: CD/LINE	CH2 Channel Level Indicator LED	7 dB	
	: LINE		10 dB	
	: USB 3/4		OVER	
CD/LINE, LINE, USB 5/6 selector switch CH3	: CD/LINE	CH3 Channel Level Indicator LED	7 dB	
	: LINE		10 dB	
	: USB 5/6		OVER	
CD/LINE, PHONO, USB 7/8 selector switch CH4	: CD/LINE	CH4 Channel Level Indicator LED	7 dB	
	: PHONO		10 dB	
	: USB 7/8		OVER	
CROSS FADER ASSIGN (A, THRU, B) selector switch CH1	: Assign A	CH1 Channel Level Indicator LED	-24dB	
	: THRU		-15dB	
	: Assign B		-10dB	
CROSS FADER ASSIGN (A, THRU, B) selector switch CH2	: Assign A	CH2 Channel Level Indicator LED	-24dB	
	: THRU		-15dB	
	: Assign B		-10dB	
CROSS FADER ASSIGN (A, THRU, B) selector switch CH3	: Assign A	CH3 Channel Level Indicator LED	-24dB	
	: THRU		-15dB	
	: Assign B		-10dB	
CROSS FADER ASSIGN (A, THRU, B) selector switch CH4	: Assign A	CH4 Channel Level Indicator LED	-24dB	
	: THRU		-15dB	
	: Assign B		-10dB	
OFF, ON, TALK OVER selector switch	: OFF	CH1 Channel Level Indicator LED	-1dB	
	: ON		0dB	
	: TALK OVER		1dB	
MONO SPLIT, STEREO selector switch	: MONO SPLIT	CH1 Channel Level Indicator LED	-5dB	
	: STEREO		-3dB	
MONO, STEREO selector switch	: MONO	CH2 Channel Level Indicator LED	0dB	
	: STEREO		1dB	
EQ CURVE (ISOLATOR, EQ) selector switch	: ISOLATOR	CH2 Channel Level Indicator LED	-3dB	
	: EQ		-2dB	
CH FADER (↘, ↗) selector switch	: Left	CH3 Channel Level Indicator LED	0dB	
	: Right		1dB	
CROSS FADER (↖, ↗, ✕) selector switch	: Left	CH4 Channel Level Indicator LED	-1dB	
	: MID		0dB	
	: Right		1dB	
Effect channel selector switch 1, 2, 3, 4, MIC, C.F.A, C.F.B, MASTER	: 1	Master Level Indicator ED L CH	-24dB	
	: 2		-15dB	
	: 3		-10dB	
	: 4		-7dB	
	: MIC		-5dB	
	: C.F.A		-3dB	
	: C.F.B		-2dB	
	: MASTER		-1dB	

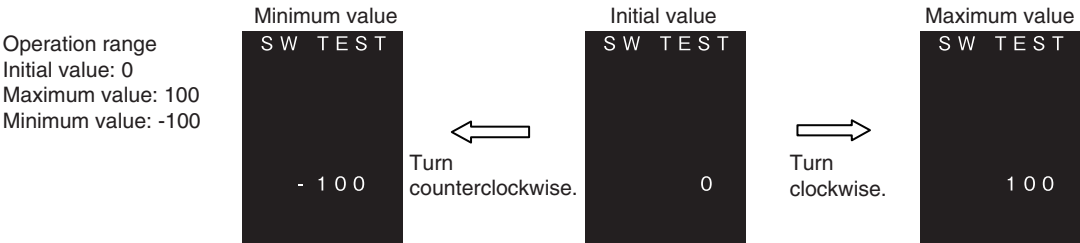
A

Operating Switches		Lighting LED		Remark
Beat effect selector switch DELAY, ECHO, SPIRAL, REVERB, TRANS, FILTER, FLANGER, PHASER, ROBOT, VINYL BRAKE, SLIP ROLL, ROLL, REV ROLL, SND/RTN	: DELAY	Master Level Indicator LED R CH	-24dB	
	: ECHO		-15dB	
	: SPIRAL		-10dB	
	: REVERB		-7dB	
	: TRANS		-5dB	
	: FILTER		-3dB	
	: FLANGER		-2dB	
	: PHASER		-1dB	
	: ROBOT		0dB	
	: VINYL BRAKE		1dB	
	: SLIP ROLL		2dB	
	: ROLL		4dB	
	: REV ROLL		7dB	
	: SND/RTN		10dB	

B

This mode is also used to check operation of the TIME control.
The value displayed on the FL display increases/decreases as you turn the TIME control:

C

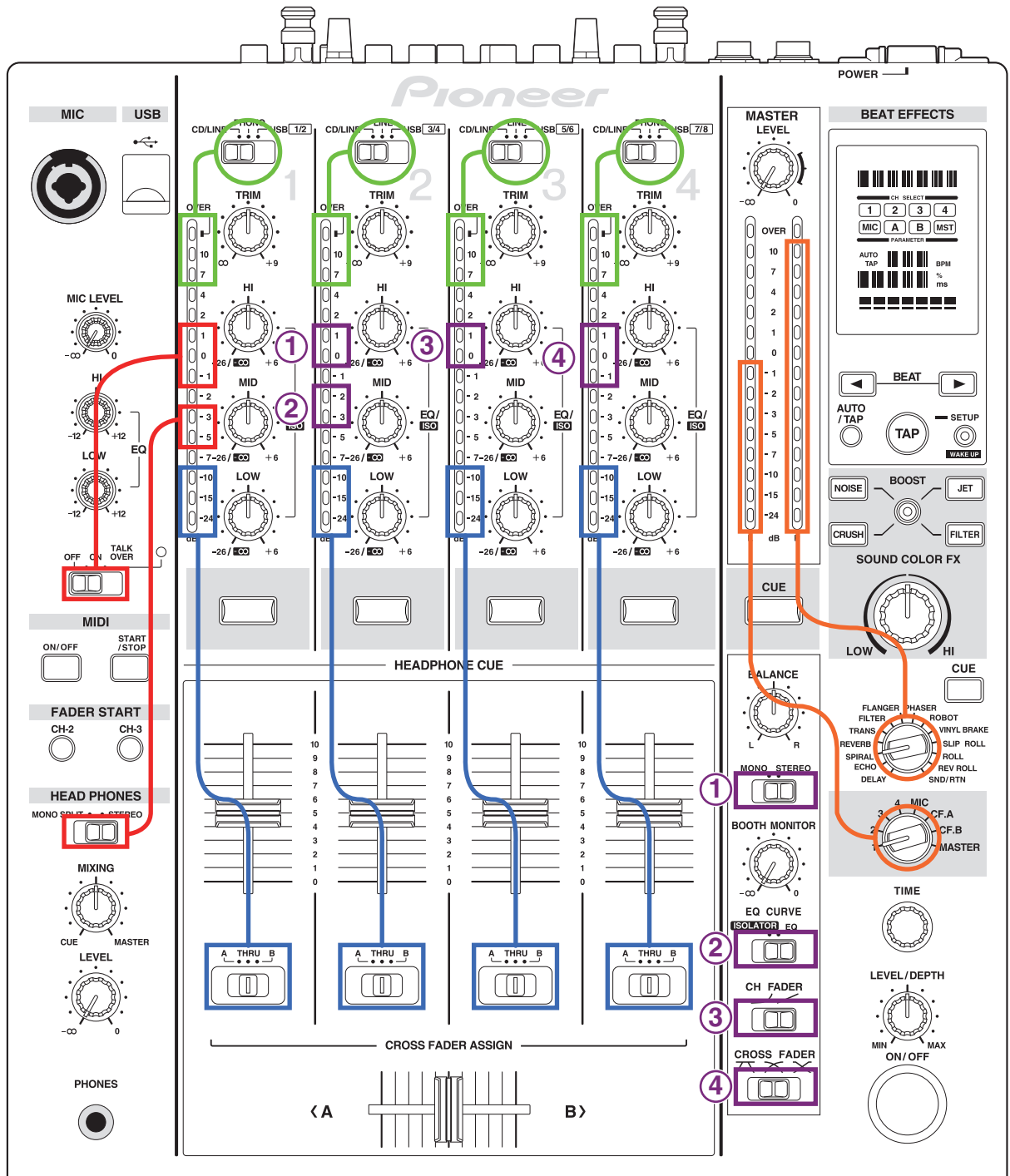


D

E

F

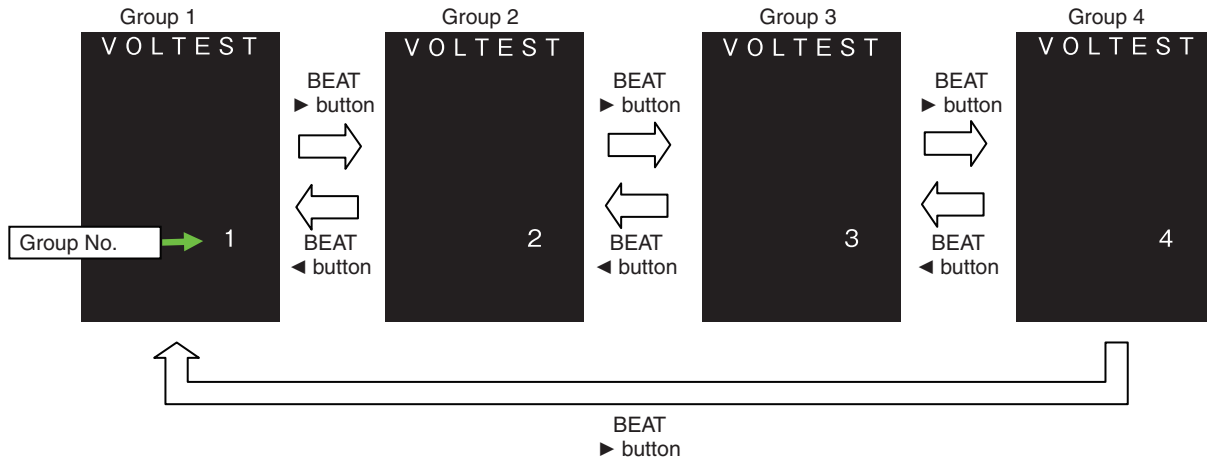
Correspondence diagram of Mode 5 : SELECT SW Operating test. "SW TEST"



A ⑥ Mode 6 : Rotary VRs value test. "VOLTEST"

- Mode for confirmation of the AD conversion value for each rotary VR on the operation panel with lighting of a level indicator LED or the segments on the FL display
When this mode is entered, "VOLTEST" is displayed at the top of the FL display.
- To indicate the AD conversion values for several rotary VRs with a level indicator, the rotary VRs are divided into 4 groups.
The group pages can be changed by pressing the BEAT ◀, ▶ button.

B



C

[Use of this mode during repair]

- For failure judgment of the rotary VRs
- For operation check of a rotary VR after replacement

• Group 1

Rotary VRs whose AD conversion values can be confirmed:

- CH1 TRIM control, CH2 TRIM control, CH3 TRIM control, CH4 TRIM control, EQ HI control, EQ LOW control, COLOR control

D

VR to be tested	Lit LED or FL	Remarks
CH1 TRIM control	CH1 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
CH2 TRIM control	CH2 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
CH3 TRIM control	CH3 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
CH4 TRIM control	CH4 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
EQ HI control	Master Level Indicator L LED	"-12": Lights off "+12": Full Illuminate
EQ LOW control	Master Level Indicator R LED	"-12": Lights off "+12": Full Illuminate
COLOR control	At the bottom of the FL display	"LOW": Lights off "HIGH": Full Illuminate

E

F

• Group 2

Rotary VRs whose AD conversion values can be confirmed:

- CH1 EQ/ISO HI control, CH2 EQ/ISO HI control, CH3 EQ/ISO HI control, CH4 EQ/ISO HI control, MIXING control, LEVEL control

VR to be tested	Lit LED or FL	Remarks
CH1 EQ/ISO HI control	CH1 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH2 EQ/ISO HI control	CH2 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH3 EQ/ISO HI control	CH3 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH4 EQ/ISO HI control	CH4 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
MIXING control	Master Level Indicator L LED	"CUE": Lights off "MASTER": Full Illuminate
LEVEL control	Master Level Indicator R LED	"-∞": Lights off "0": Full Illuminate

• Group 3

Rotary VRs whose AD conversion values can be confirmed:

- CH1 EQ/ISO MID control, CH2 EQ/ISO MID control, CH3 EQ/ISO MID control, CH4 EQ/ISO MID control, MASTER LEVEL control, BALANCE control

VR to be tested	Lit LED or FL	Remarks
CH1 EQ/ISO MID control	CH1 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH2 EQ/ISO MID control	CH2 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH3 EQ/ISO MID control	CH3 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH4 EQ/ISO MID control	CH4 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
MASTER LEVEL control	Master Level Indicator L LED	"-∞": Lights off "0": Full Illuminate
BALANCE control	Master Level Indicator R LED	"L": Lights off "R": Full Illuminate

• Group 4

Rotary VRs whose AD conversion values can be confirmed:

- CH1 EQ/ISO LOW control, CH2 EQ/ISO LOW control, CH3 EQ/ISO LOW control, CH4 EQ/ISO LOW control, BOOTH MONITOR control, LEVEL/DEPTH control

VR to be tested	Lit LED or FL	Remarks
CH1 EQ/ISO LOW control	CH1 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH2 EQ/ISO LOW control	CH2 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH3 EQ/ISO LOW control	CH3 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
CH4 EQ/ISO LOW control	CH4 Channel Level Indicator LED	"-26/-∞": Lights off "+6": Full Illuminate
BOOTH MONITOR control	Master Level Indicator L LED	"-∞": Lights off "0": Full Illuminate
LEVEL/DEPTH control	Master Level Indicator R LED	"MIN": Lights off "MAX": Full Illuminate

A

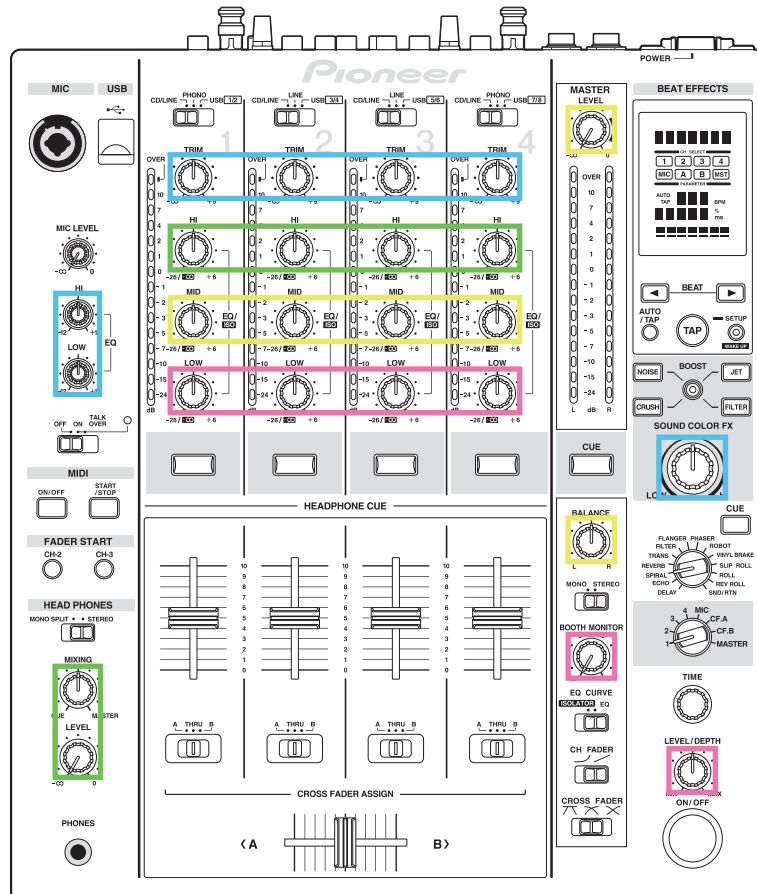
B

C

D

E

F



- : Group 1
 : Group 2
 : Group 3
 : Group 4

⑦ Mode 7 : Fader test. "FDRTEST"

- Mode for confirmation of the values of CH1–4 Channel FADER and CROSS FADER with the level indicator LEDs. When this mode is entered, "FDRTEST" is displayed at the top of the FL display.

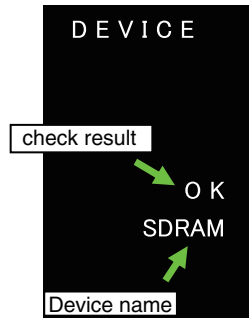
[Use of this mode during repair]

- For failure judgment of the faders
- For operation check of a fader after replacement

Fader to be tested	Lit LED	Remarks
CH1 Channel Fader	CH1 Channel Level Indicator LED	"0": Lights off "10": Full Illuminate
CH2 Channel Fader	CH2 Channel Level Indicator LED	"0": Lights off "10": Full Illuminate
CH3 Channel Fader	CH3 Channel Level Indicator LED	"0": Lights off "10": Full Illuminate
CH4 Channel Fader	CH4 Channel Level Indicator LED	"0": Lights off "10": Full Illuminate
Cross Fader	Master Level Indicator L LED	"A": Lights off "B": Full Illuminate

⑧ Mode 8 : Confirmation of device. "DEVICE"

- Mode for confirming device information
When this mode is entered, "DEVICE" is displayed at the top of the FL display.
- With this mode, perform only a check of SDRAM for DSP.
If SDRAM works normally at the middle of FL display, be indicated with "OK" and be indicated at the abnormality with "NG".
When a system is checking it, be indicated with "CHK".



Device, Address	FL Display Name	Remarks
SDRAM for DSP	SDRAM	During a check : CHK Normal : OK Abnormal : NG

⑨ Mode 9 : Channel Level Indicator LED test. "LEDTEST"

- Mode for confirming lighting of the level indicator LEDs
When this mode is entered, "LEDTEST" is displayed at the top of the FL display.
The LEDs for CH1 CUE button, CH2 CUE button, CH3 CUE button, CH4 CUE button, MASTER CUE button, and EFFECT CUE button light.
- Each time the CUE button is pressed, the level indicator LEDs for each channel light one by one from the bottom.
At first, all the LEDs are unlit.
If the CUE button is pressed after it was pressed 15 times (when the top LED is lit), all the LEDs become unlit again.

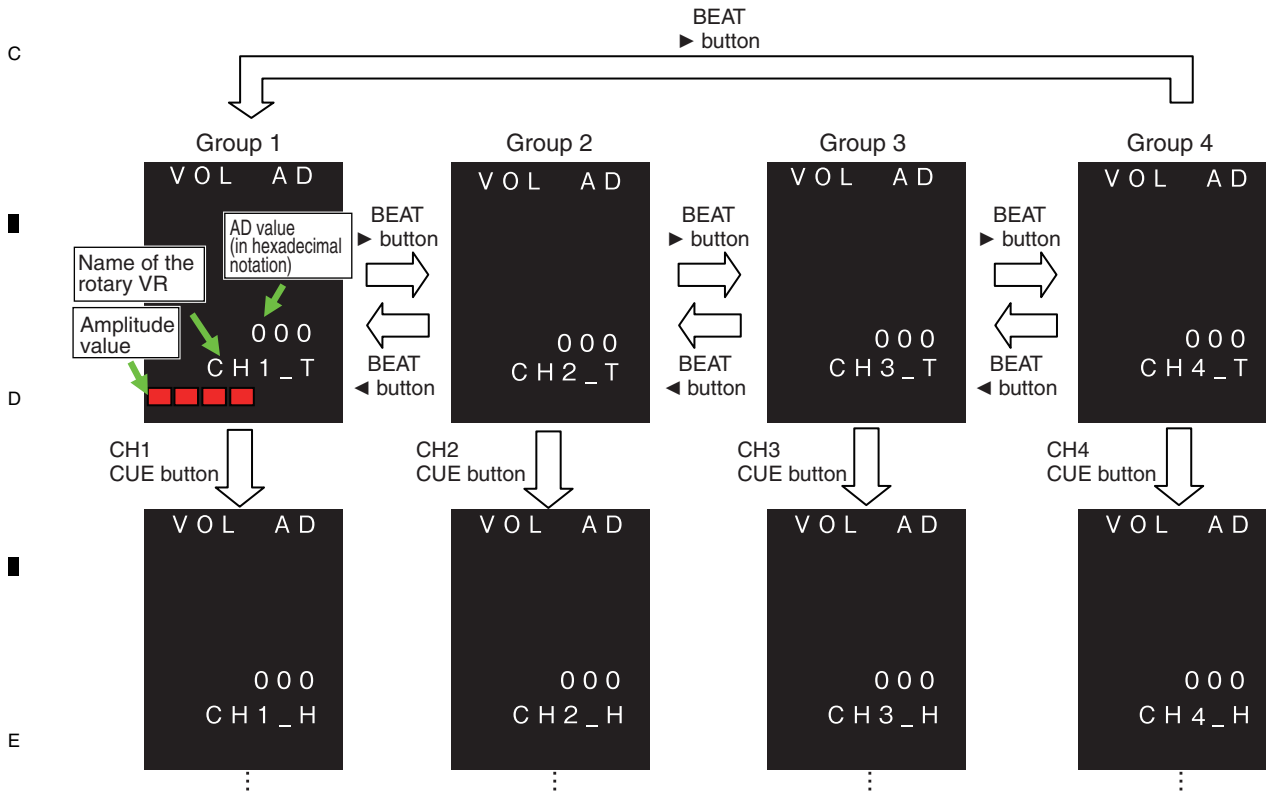
Button to be tested	Lit Meter	Remarks
CH1 CUE button	CH1 Channel Level Indicator LED	
CH2 CUE button	CH2 Channel Level Indicator LED	
CH3 CUE button	CH3 Channel Level Indicator LED	
CH4 CUE button	CH4 Channel Level Indicator LED	
MASTER CUE button	Master Level Indicator L LED	
EFFECT CUE button	Master Level Indicator R LED	

A ⑩ Mode 10 : AD values of the rotary VRs test. "VOL AD"

- Mode for displaying the AD values of rotary VRs on the FL display for confirmation.
When this mode is entered, "VOL AD" is displayed at the top of the FL display.
To indicate the AD values for several rotary VRs with a single level meter, the rotary VRs are divided into 4 groups.
The group pages can be changed by pressing the BEAT ◀, ▶ button.
When the groups are switched, the name of the VR at the top of the group list is displayed at the bottom of the FL display.
The rotary VRs in a group can be changed by pressing the CH1–4 CUE button.
- The maximum amplitude value among AD conversion values for a rotary VR being tested can be confirmed on each page of this mode.
The value is expressed with the number of segments lit at the bottom of the FL display. The measurement procedure is as indicated below.



An amplitude value in the range of ± 1 to ± 6 with regard to the VR value at the beginning of measurement is displayed. For a value greater than $+7$ or less than -7 , all the 7 segments are lit.



Note:

If the CUE button is pressed while the last VR on each group list is displayed, the top VR on that group list will then be displayed.

When the BEAT ◀, ▶ button is pressed for a layer lower than the 2nd one, the top VR on the list of the next group will be displayed.

[Use of this mode during repair]

- For failure judgment of the 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 volume changes arbitrarily.
 - Interrupted sound leakage occurs even if the volume is decreased to the minimum at the Master or ZONE.
 - The MIDI signal is output even if the corresponding VR is not operated.
- For operation check of a rotary VR after replacement

• Group 1

Rotary VRs whose AD conversion values can be confirmed:

- CH1 TRIM control, CH1 EQ/ISO HI control, CH1 EQ/ISO MID control, CH1 EQ/ISO LOW control, COLOR control, EQ HI control, EQ LOW control

VR to be tested	FL Display Name	Remarks
CH1 TRIM control	CH1_T	"-∞": 000 "+9": 3FF
CH1 EQ/ISO HI control	CH1_H	"26/-∞": 000 "+6": 3FF
CH1 EQ/ISO MID control	CH1_M	"26/-∞": 000 "+6": 3FF
CH1 EQ/ISO LOW control	CH1_L	"26/-∞": 000 "+6": 3FF
COLOR control	BOOST	"LOW": 000 "HIGH": 3FF
EQ HI control	MIC_H	"-12": 000 "+12": 3FF
EQ LOW control	MIC_L	"-12": 000 "+12": 3FF

*As an AD value that is displayed on the FL display is the one before a hysteresis removal process, and as it has an amplitude, an error of about ± 2 may be produced.

• Group 2

Rotary VRs whose AD conversion values can be confirmed:

- CH2 TRIM control, CH2 EQ/ISO HI control, CH2 EQ/ISO MID control, CH2 EQ/ISO LOW control, MIXING control, LEVEL control

VR to be tested	FL Display Name	Remarks
CH2 TRIM control	CH2_T	"-∞": 000 "+9": 3FF
CH2 EQ/ISO HI control	CH2_H	"-26/-∞": 000 "+6": 3FF
CH2 EQ/ISO MID control	CH2_M	"-26/-∞": 000 "+6": 3FF
CH2 EQ/ISO LOW control	CH2_L	"-26/-∞": 000 "+6": 3FF
MIXING control	HP_MX	"CUE": 000 "MASTER": 3FF
LEVEL control	HP_LV	"-∞": 000 "0": 3FF

*As an AD value that is displayed on the FL display is the one before a hysteresis removal process, and as it has an amplitude, an error of about ± 2 may be produced.

• Group 3

Rotary VRs whose AD conversion values can be confirmed:

- CH3 TRIM control, CH3 EQ/ISO HI control, CH3 EQ/ISO MID control, CH3 EQ/ISO LOW control, MASTER LEVEL control, BALANCE control

VR to be tested	FL Display Name	Remarks
CH3 TRIM control	CH3_T	"-∞": 000 "+9": 3FF
CH3 EQ/ISO HI control	CH3_H	"-26/-∞": 000 "+6": 3FF
CH3 EQ/ISO MID control	CH3_M	"-26/-∞": 000 "+6": 3FF
CH3 EQ/ISO LOW control	CH3_L	"-26/-∞": 000 "+6": 3FF
MASTER LEVEL control	MSTLv	"-∞": 000 "0": 3FF
BALANCE control	MST_B	"L": 000 "R": 3FF

*As an AD value that is displayed on the FL display is the one before a hysteresis removal process, and as it has an amplitude, an error of about ± 2 may be produced.

• Group 4

Rotary VRs whose AD conversion values can be confirmed:

- CH4 TRIM control, CH4 EQ/ISO HI control, CH4 EQ/ISO MID control, CH4 EQ/ISO LOW control, BOOTH MONITOR control, LEVEL/DEPTH control

VR to be tested	FL Display Name	Remarks
CH4 TRIM control	CH4_T	"-∞": 000 "+9": 3FF
CH4 EQ/ISO HI control	CH4_H	"-26/-∞": 000 "+6": 3FF
CH4 EQ/ISO MID control	CH4_M	"-26/-∞": 000 "+6": 3FF
CH4 EQ/ISO LOW control	CH4_L	"-26/-∞": 000 "+6": 3FF
BOOTH MONITOR control	BOOTH	"-∞": 000 "0": 3FF
LEVEL/DEPTH control	LV/DP	"MIN": 000 "MAX": 3FF

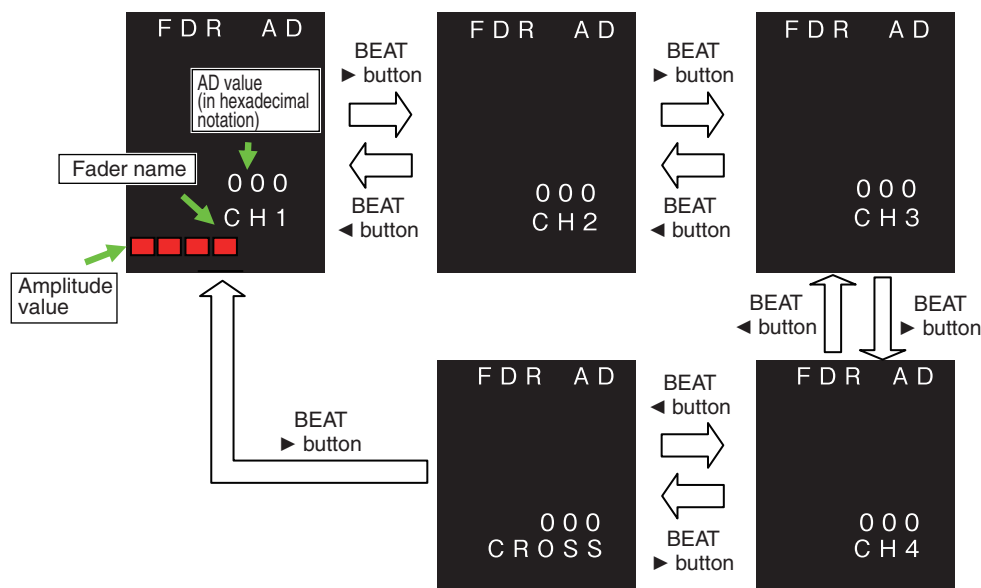
*As an AD value that is displayed on the FL display is the one before a hysteresis removal process, and as it has an amplitude, an error of about ± 2 may be produced.

⑪ Mode 11 : AD values of the fader test. "FDR AD"

- Mode for displaying the AD values of the faders on the FL display for confirmation
When this mode is entered, "FDR AD" is displayed at the top of the FL display.
- Mode 11 consists of 5 pages for indicating the values of 5 faders.
The pages can be changed by pressing the BEAT ◀, ▶ button.
When the groups are switched, the name of the VR at the top of the group list is displayed at the bottom of the FL display and its AD value is displayed in the middle.
- The maximum amplitude value among AD conversion values for a fader being tested can be confirmed on each page of this mode. The value is expressed with the number of segments lit at the bottom of the FL display. The measurement procedure is as indicated below.
Set the fader you wish to test to a desired position then press the EFFECT CUE key to start measurement. To reset, press the EFFECT CUE key again. During measurement, the maximum amplitude value will be continuously displayed.
The EFFECT CUE key is lit during measurement and goes dark when reset.
Details on the amplitude value display are shown in the figures below.



An amplitude value in the range of ± 1 to ± 7 with regard to the VR value at the beginning of measurement is displayed.
For a value greater than +7 or less than -7, all the 7 segments are lit.



[Use of this mode during repair]

- For failure judgment of the faders
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 volume changes arbitrarily.
 - Interrupted sound leakage occurs even if the volume is decreased to the minimum at the fader.
 - The MIDI signal is output even if the corresponding VR is not operated.
- For operation check of a fader after replacement

Faders that can be confirmed

Fader to be tested	FL Display Name	Remarks
CH1 Channel Fader	CH1	"0": 000 "10": 3FF
CH2 Channel Fader	CH2	"0": 000 "10": 3FF
CH3 Channel Fader	CH3	"0": 000 "10": 3FF
CH4 Channel Fader	CH4	"0": 000 "10": 3FF
Cross Fader	CROSS	"A": 000 "B": 3FF

A 4. Mode transition flowchart

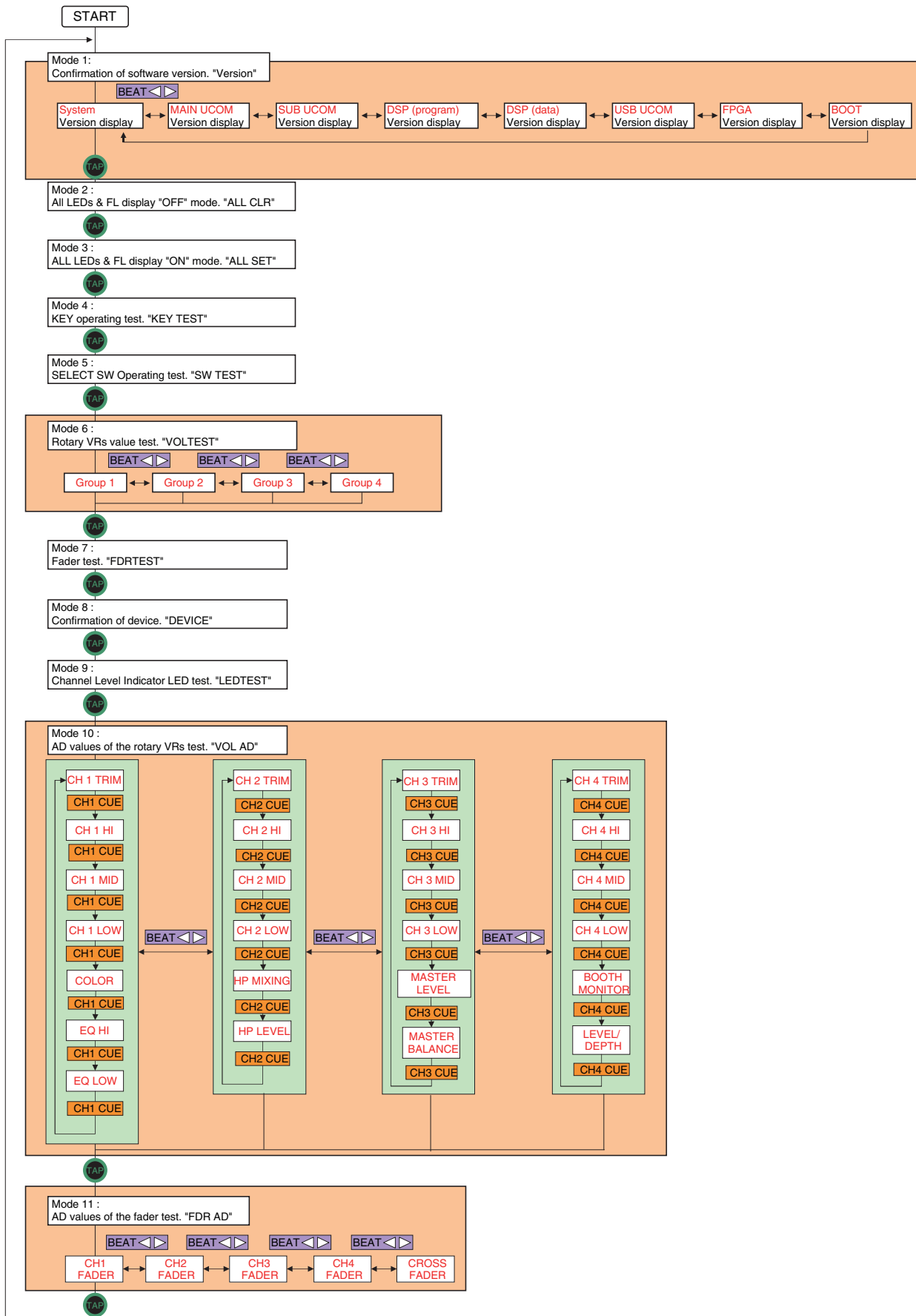
B

C

D

E

F



6.2 ABOUT THE DEVICE

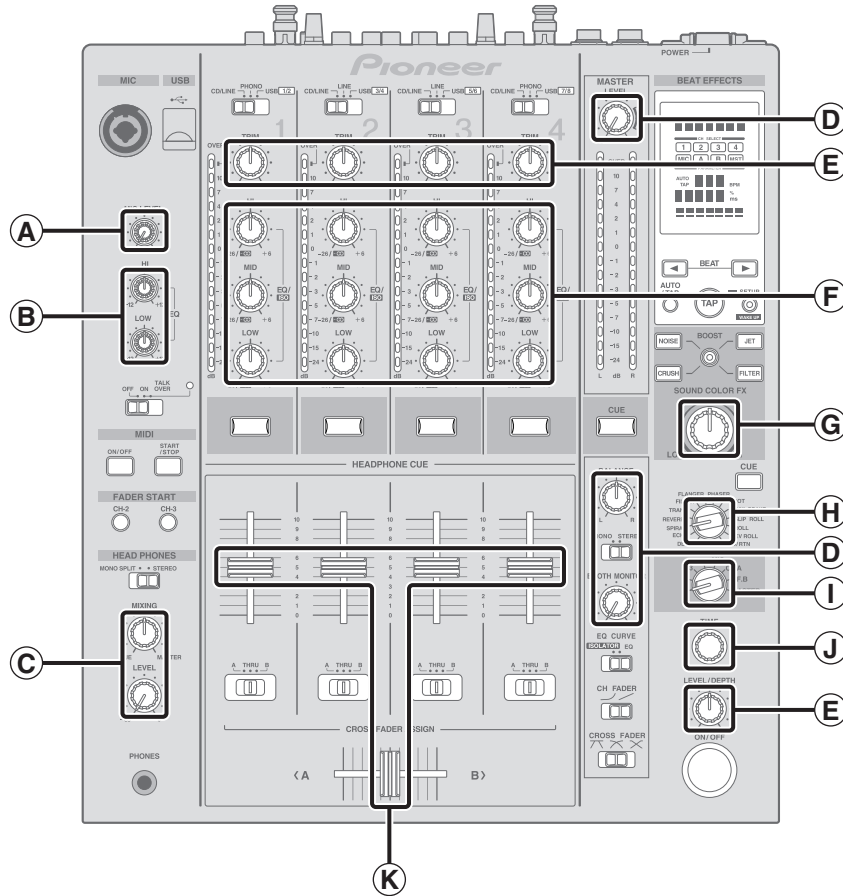
Device Name	Function	Part No.	Reference No.	Assy
MAIN UCOM	Main control	DYW1827	IC2803	MAIN Assy
FLASH (4M)	Memory for Main, USB UCOM (Firmware)	DYW1828	IC2802	MAIN Assy
FPGA	For RAM, clock divider, SRC for digital out	XC3S50A-4FTG256C	IC3007	MAIN Assy
FLASH (4M)	Memory for DSP (Firmware)	DYW1829	IC3008	MAIN Assy
DSP	Audio DSP	D810K013DZKB400	IC3201	MAIN Assy
SDRAM (256M)	Memory for DSP (Work)	M12L2561616A-5TG2A	IC3202	MAIN Assy
USB UCOM	Controller for USB	ADSP-BF525BBCZ-5A	IC2603	MAIN Assy
SDRAM (64M)	Memory for USB UCOM (Work)	M12L64164A-5TG2Y	IC2604	MAIN Assy
SUB UCOM	LED, FL, KEY, VR control	DYW1830	IC6601	PNLA Assy

Two or more FLASH and SDRAM are mounted in this unit.
Please judge the device which you should diagnose in reference to this list.

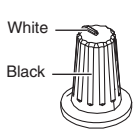
7. DISASSEMBLY

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.

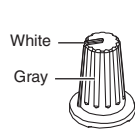
Knobs and Volumes Location



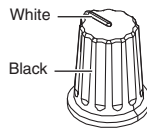
A DAA1302 ×1



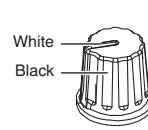
B DAA1301 ×2



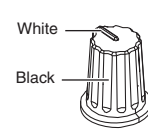
C DAA1212 ×2



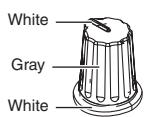
D DAA1210 ×3



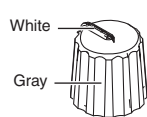
E DAA1220 ×4



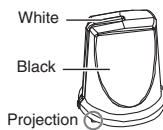
F DAA1306 ×12



G DAA1309 ×1



H DAA1205 ×1

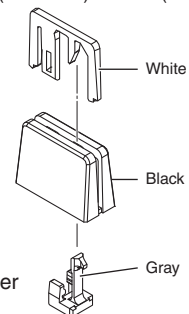


K Slider knob 1 (DAC2684) ×5 + Slider knob 2 (DAC2685) ×5 + Slider knob stopper (DNK5888) ×5

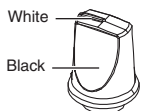
Slider knob 2

Slider knob 1

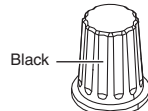
Slider knob stopper



I DAA1213 ×1



J DAA1214 ×1



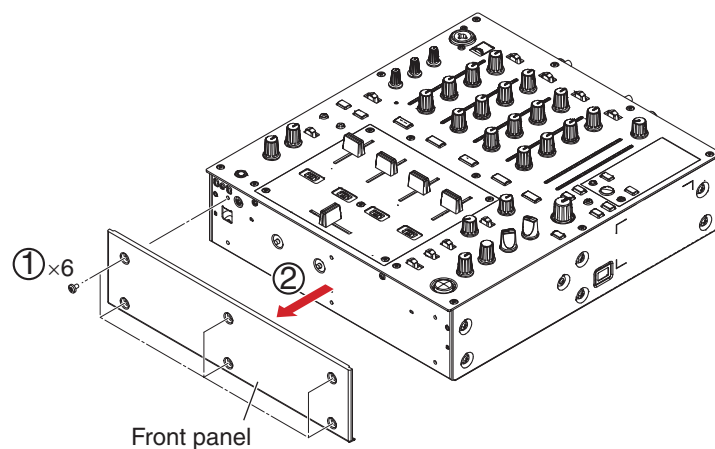
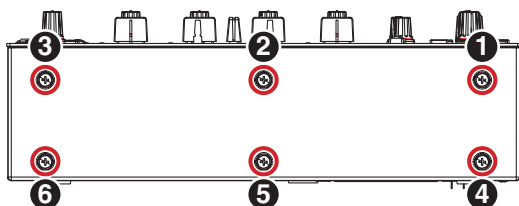
Disassembly

[1] Control Panel Section

[1-1] Front panel

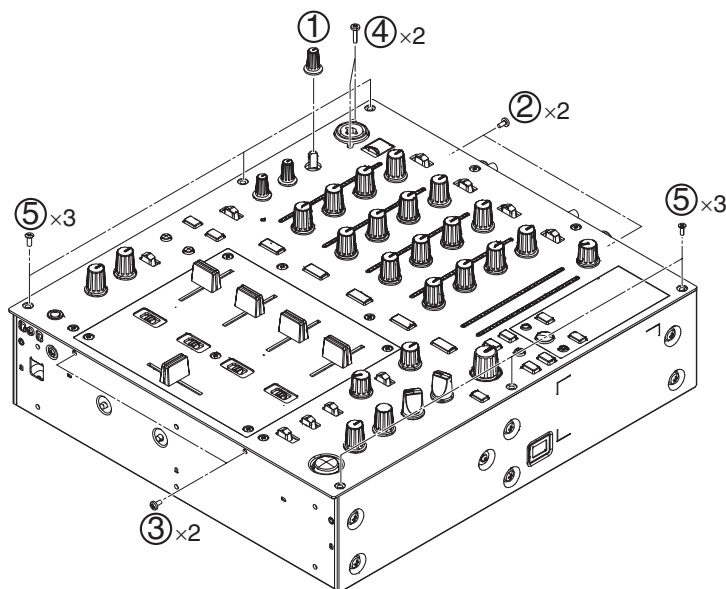
- (1) Remove the six screws. (BBZ40P060FTB)
- (2) Remove the front panel.

Screw tightening order

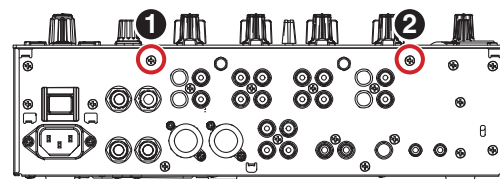
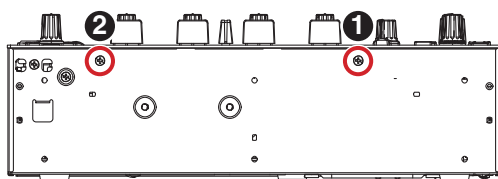
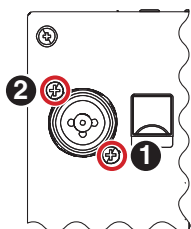


[1-2] Control panel section

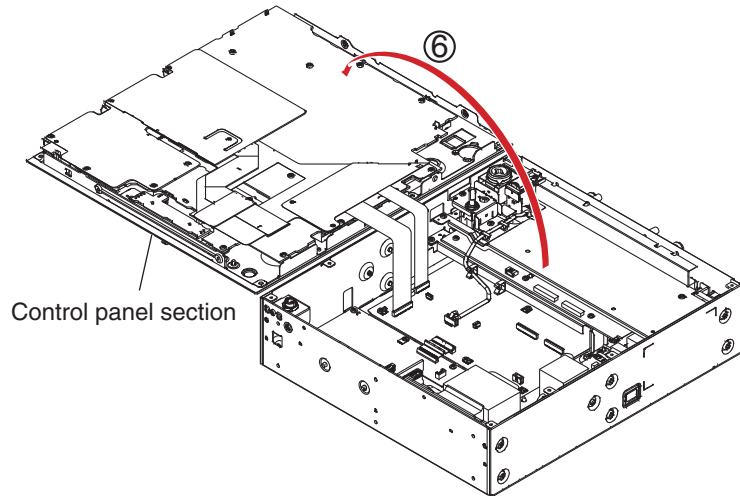
- (1) Remove the one knob (DAA1302).
- (2) Remove the two screws. (BBZ30P060FTB)
- (3) Remove the two screws. (BBZ30P060FTC)
- (4) Remove the two screws. (BPZ30P120FTB)
- (5) Remove the six screws.
(K: DBA1290, S: DBA1436)



Screw tightening order



- A (6) Remove the control panel section.

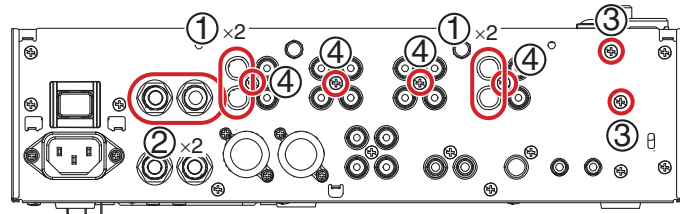


B

C

[2] INPUT Assy

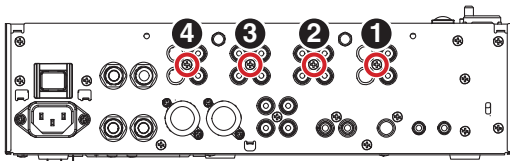
- (1) Disconnect the four short pin plugs.
- (2) Remove the two washers and two nuts.
- (3) Remove the two screws. (BBZ30P060FTB)
- (4) Remove the four screws. (BPZ30P080FTB)



• Rear view

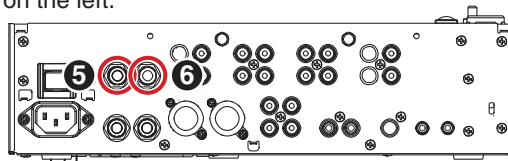
D

Screw tightening order



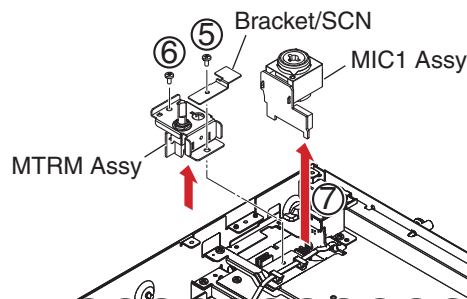
Nut tightening order

Tighten the nuts after tightening the screws indicated in the figure on the left.



E

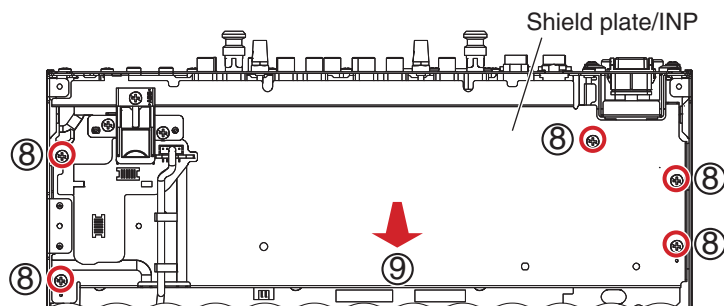
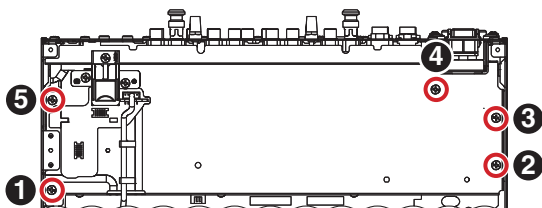
- (5) Remove the bracket/SCN by removing the one screw. (BBZ30P060FTC)
- (6) Remove the MTRM Assy with stay by removing the one screw. (BBZ30P060FTC)
- (7) Remove the MIC1 Assy.



F

- (8) Remove the five screws. (BBZ30P060FTC)
 (9) Remove the shield plate/INP.

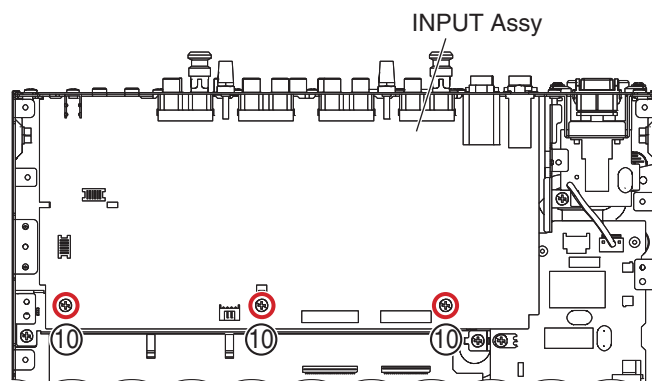
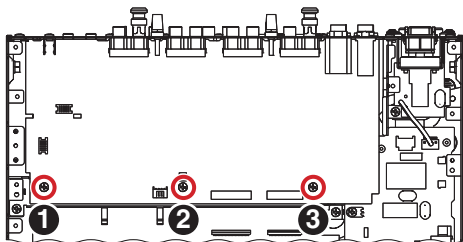
Screw tightening order



- (10) Remove the three screws. (BBZ30P060FTC)

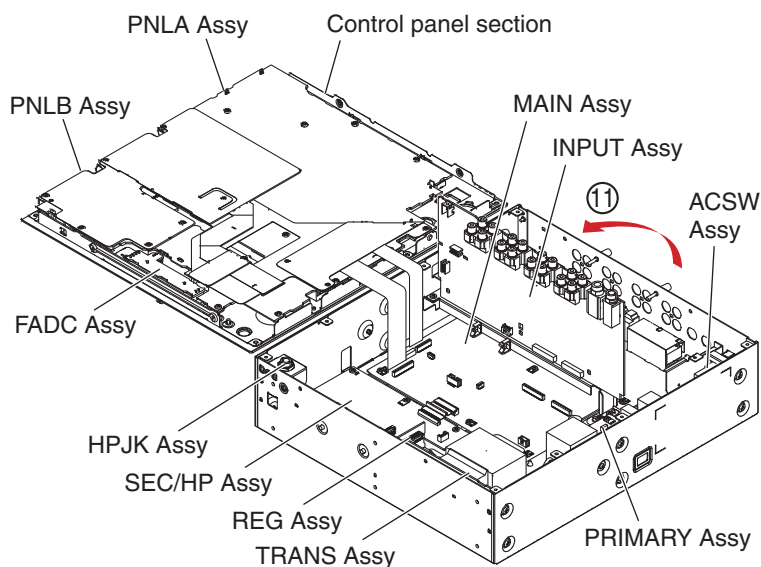
Screw tightening order

Before tightening these screws, be sure to tighten the screws and nuts for securing the INPUT Assy to the rear panel. (Positioning of the INPUT Assy is determined by its attachment position on the rear panel.)



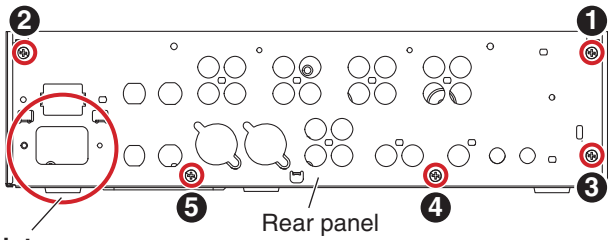
- (11) Lift up the INPUT Assy to a front direction.

Diagnosis



A ■ Reference information

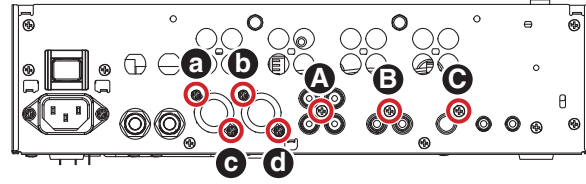
Screw tightening order (Rear panel)



Note:

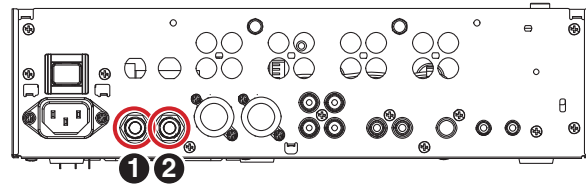
The rear panel is attached to the chassis with the INLET connector. Therefore, when detaching the rear panel, remove the two screws for INLET connector.

Screw tightening order (MAIN Assy)



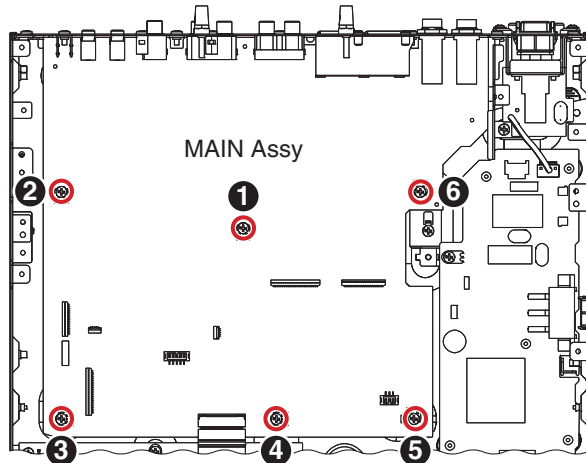
Nut tightening order (MAIN Assy)

Tighten the nuts after tightening the screws indicated in the figure on the upper.

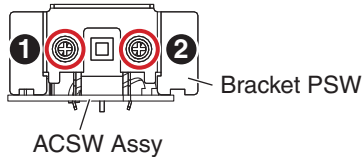


Screw tightening order (MAIN Assy)

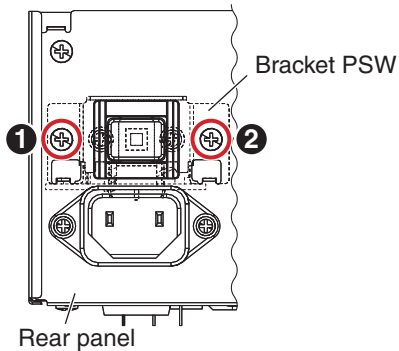
Before tightening these screws, be sure to tighten the screws and nuts for securing the MAIN Assy to the rear panel. (Positioning of the MAIN Assy is determined by its attachment position on the rear panel.)



Screw tightening order (Bracket PSW)



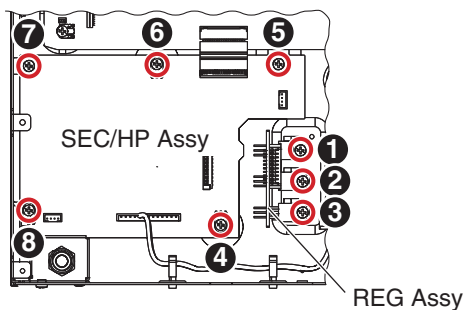
ACSW Assy



Bracket PSW

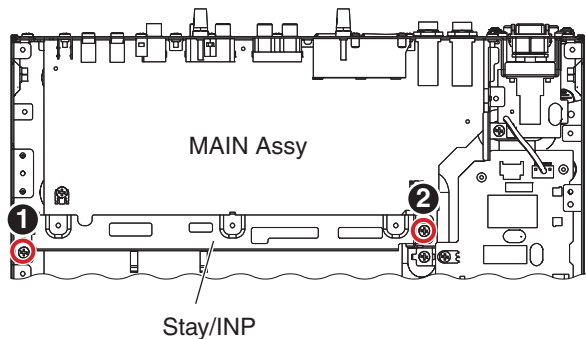
Rear panel

Screw tightening order (SEC/HP, REG Assy)



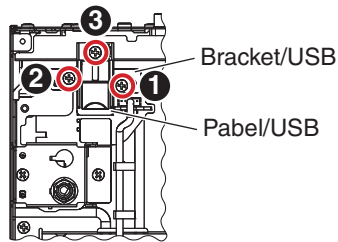
REG Assy

Screw tightening order (Stay/INP)

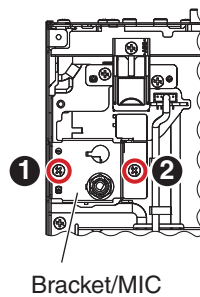


Stay/INP

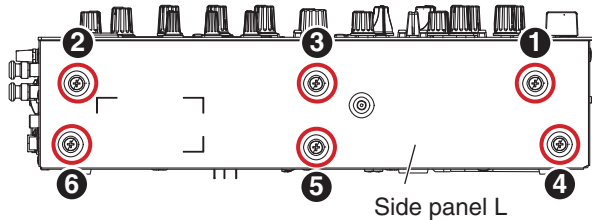
Screw tightening order (Bracket/USB)



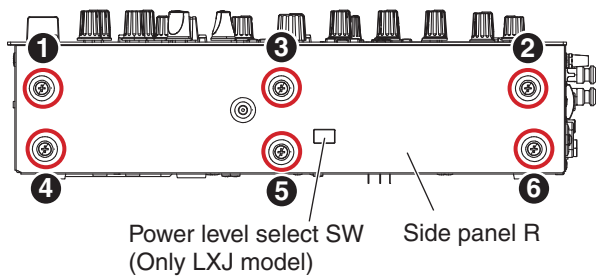
Screw tightening order (Bracket/MIC)



Screw tightening order (Side panel L)

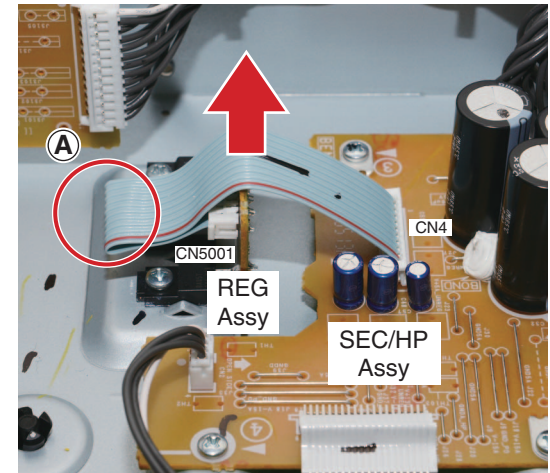


Screw tightening order (Side panel R)



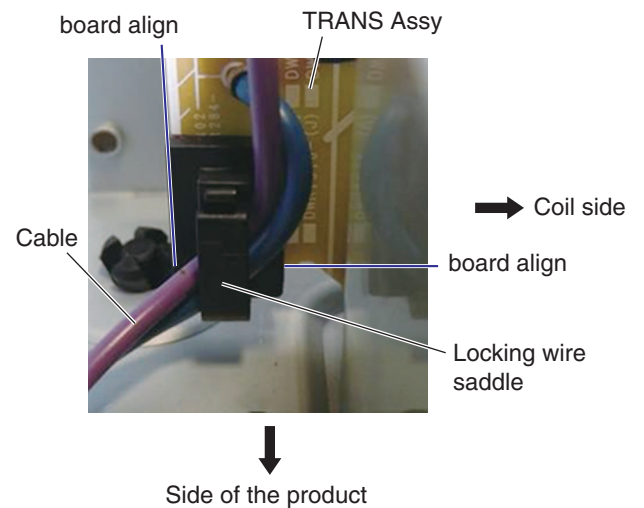
Jumper wire styling

3 rotations.
(For improving sound quality)



Bend the FFC at the place ① above so that the cable will not bulge in the direction indicated by the arrow (↑).

Locking wire saddle position (LXJ model only)



- 1: Adhere the Locking Wire Saddle so that its corner and that of the board align.
- 2: Be sure to clamp the cables to the Locking Wire Saddle so that they are styled coming from the coil side toward the side of the product, as shown in the figure above.

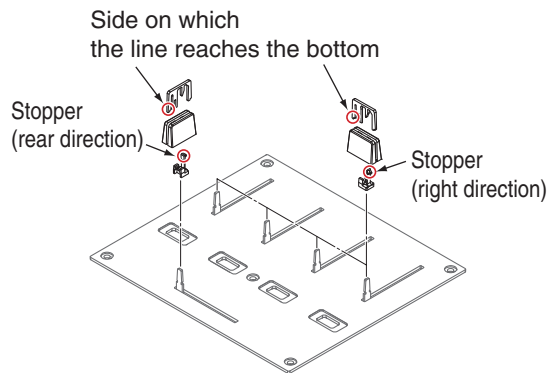
A [3] Panel Section

[3-1] Control panel and Fader panel

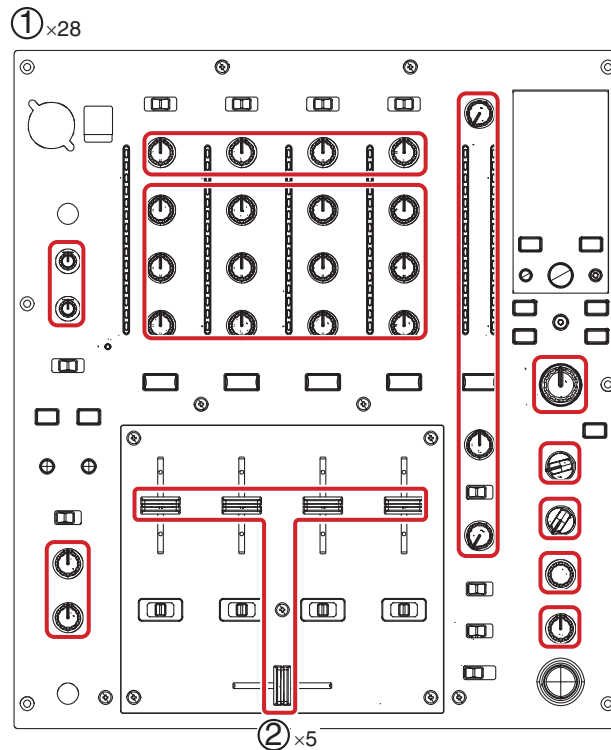
- (1) Remove the all knobs.
- (2) Remove the five slider knobs 2, five slider knobs 1, five slider knob stoppers.
(See below.)

B

The reference of the direction



C

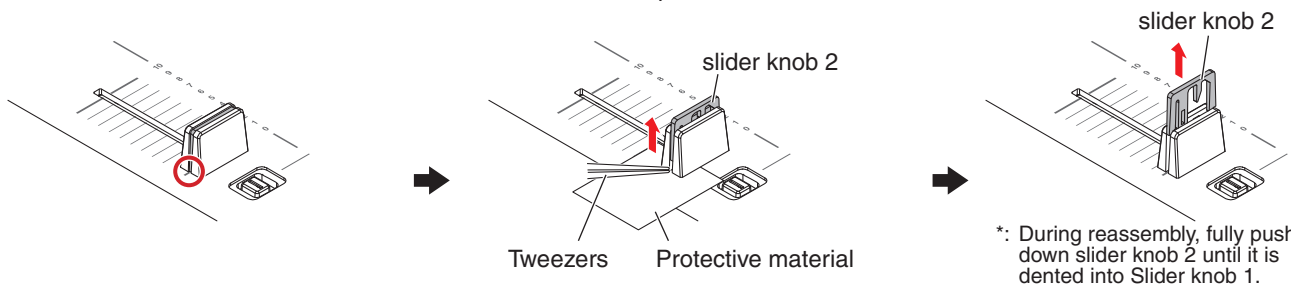


• Disassembly of the slider knob

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.

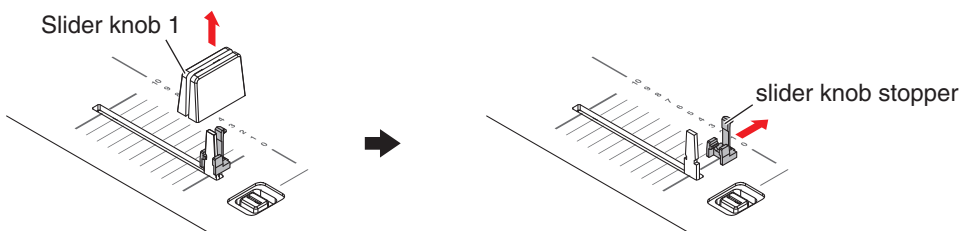
D

- 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.



E

- ④ Remove the Slider knob 1.
- ⑤ Remove the slider knob stopper.



F

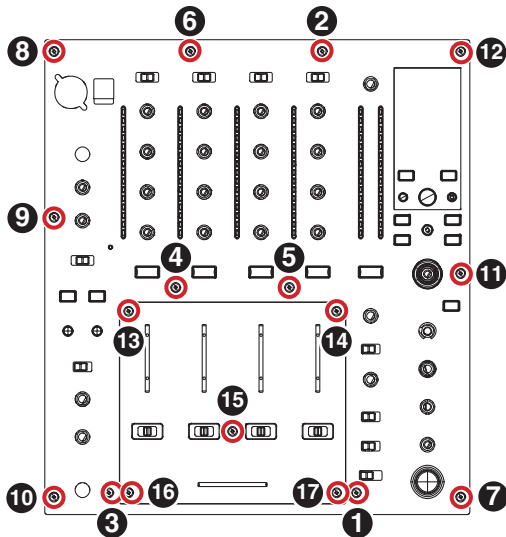
- (3) Remove the six screws.
(K: DBA1290, S: DBA1436)
- (4) Remove the five screws.
(K: DBA1290, S: DBA1436)
- (5) Remove the Control panel and panel/FD.

Note:

When you remove only panel/FD, it is a process of step (2), (4).

Screw tightening order

(for MAIN unit)



Note:

Screws ① – ⑥ are for securing the control panel and stay/PNL, screws.

Screws ⑦ – ⑫ are for securing the Control Panel Assy and the cabinet of the product.

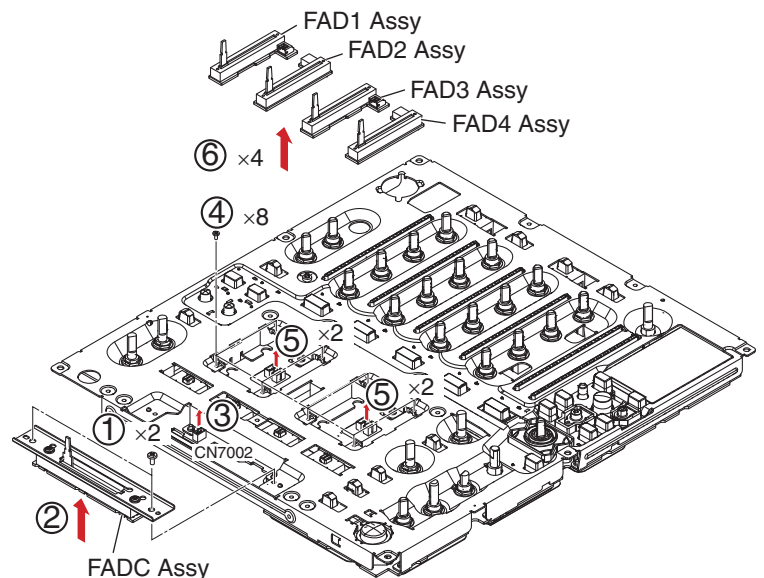
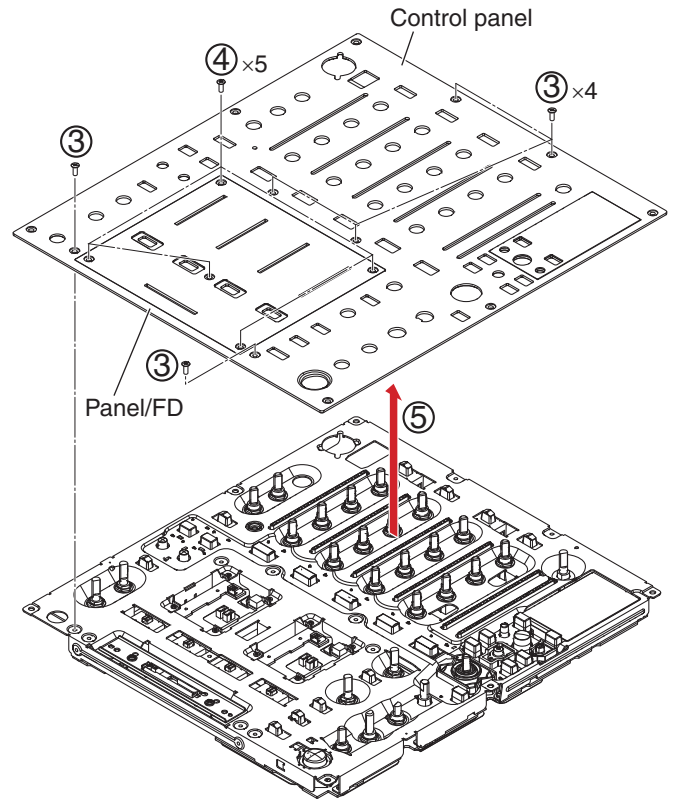
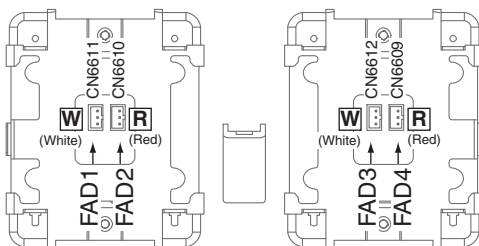
Screws ⑬ – ⑰ are for securing the Panel/FD and stay/PNL.

[3-2] Fader section

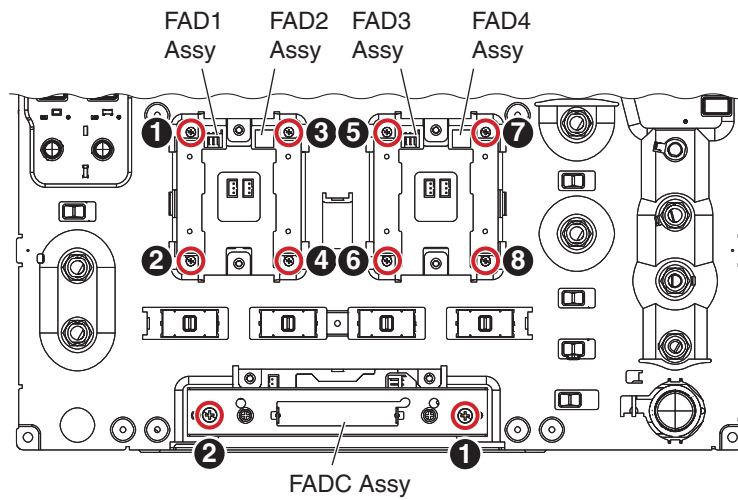
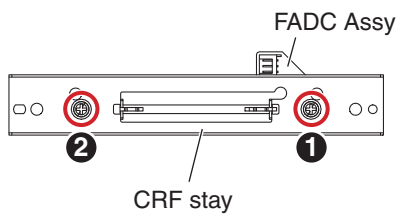
- (1) Remove the two screws. (BBZ30P060FTC)
- (2) Remove the FADC Assy.
- (3) Disconnect the one connector. (CN7002)
- (4) Remove the eight screws. (BSZ20P040FTB)
- (5) Disconnect the four connectors.
(CN6611, 6610, 6612, 6609)
- (6) Remove the FAD1 to FAD4 Assemblies.

• Connectors color

Match the color of a connected connector.

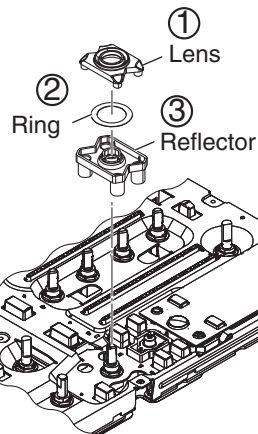


A Screw tightening order

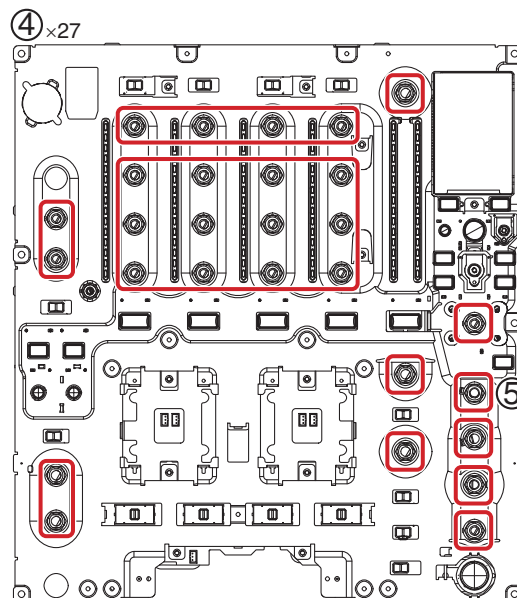


[3-3] PNLA and PNLB Assemblies

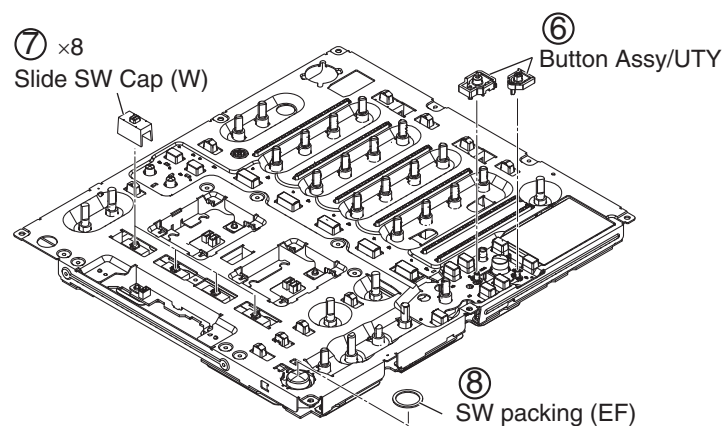
- (1) Remove the lens.
- (2) Remove the ring.
- (3) Remove the reflector.



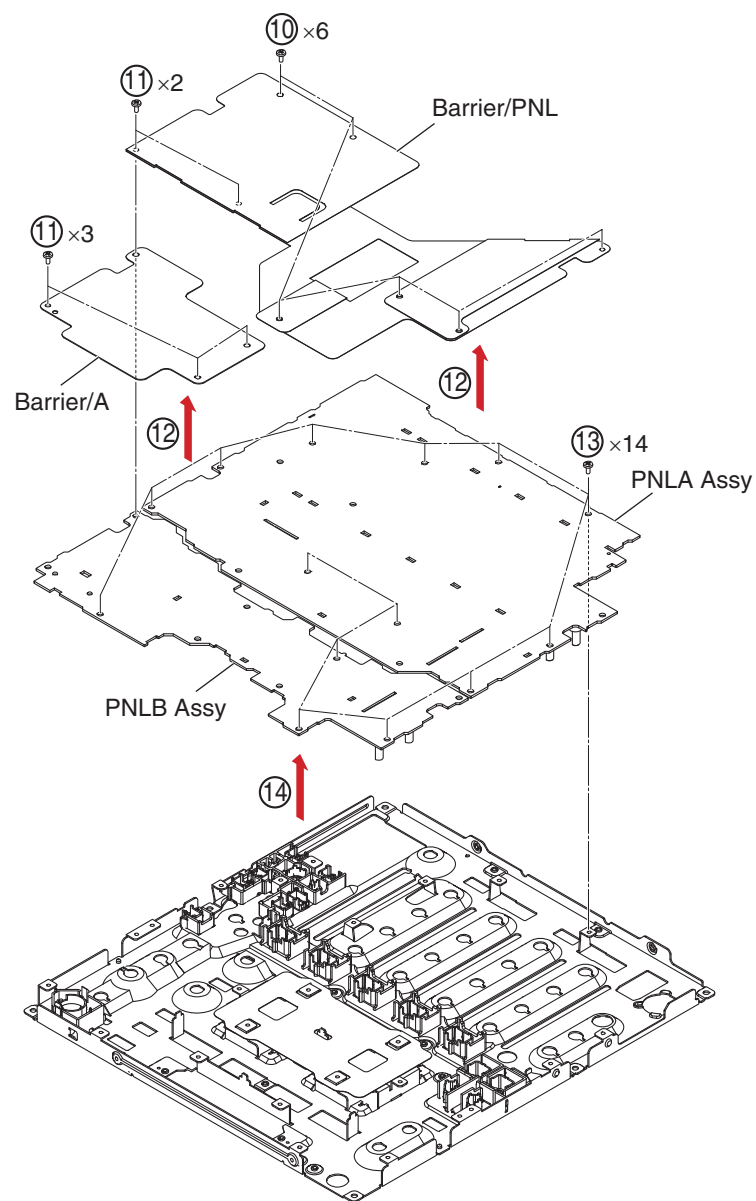
- (4) Remove the 27 flange nuts M9.
- (5) Remove the one nut.



- (6) Remove the button Assy/UTY.
- (7) Remove the four slide SW caps (W).
- (8) Remove the SW packing (EF).



- (9) Reverse the control panel section.
- (10) Remove the six screws. (BBZ30P060FTC)
- (11) Remove the five screws. (BBZ30P060FTC)
- (12) Remove the barrier/PNL and barrier/A.
- (13) Remove the 14 screws. (BBZ30P060FTC)
- (14) Remove the PNLA and PNLB Assemblies.

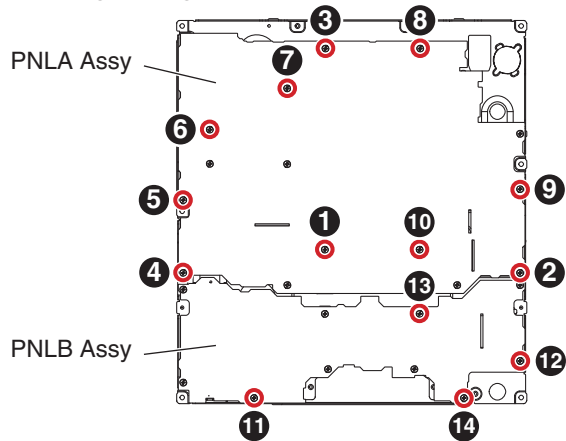


• Bottom view

A

Flexible cables, Barriers styling

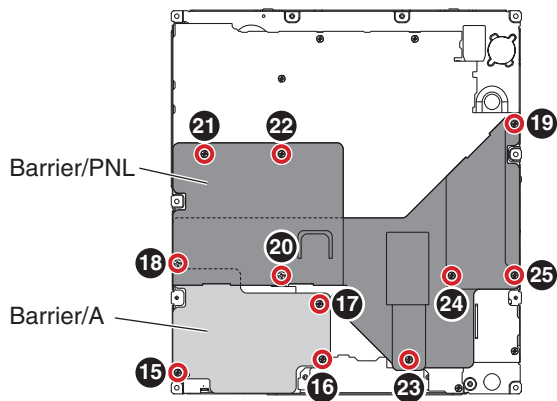
Screw tightening order



B



C



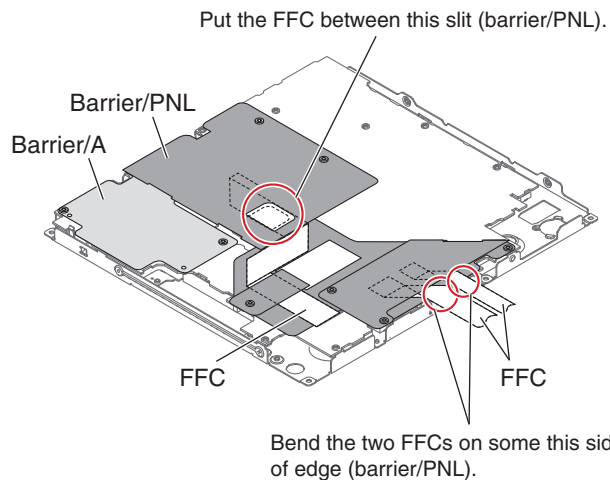
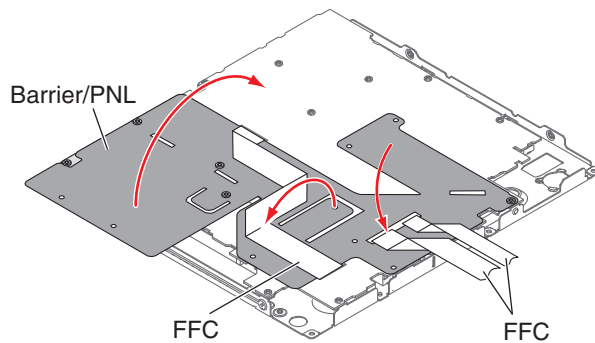
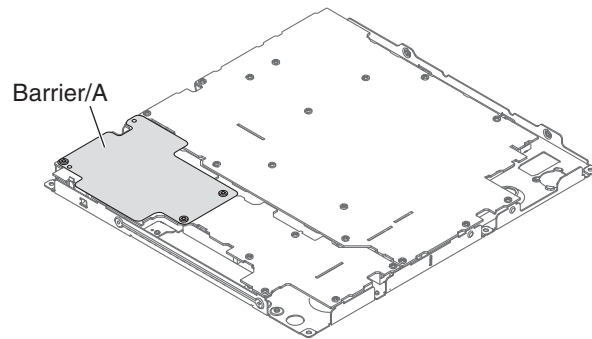
D

Note:

Tighten the screws (21 to 25) after performing styling of flexible cables.

E

F



8. EACH SETTING AND ADJUSTMENT

8.1 NECESSARY ITEMS TO BE NOTED

It is recommended that you take note of the setting data before starting repair.

Use “8.4 SHEET FOR CONFIRMATION OF THE USER SETTINGS” for taking notes.

After repairing, be sure to check the version of the firmware (see “Mode 1: For confirmation of the version” in “TEST MODE”), and if it is not the latest one, update to the latest version.

A

When the following parts are replaced, confirmation of the version of the firmware, updating to the latest version of the firmware.

■

- MAIN Assy

(MAIN UCOM: IC2803, FLASH: IC2802, FLASH: IC3008)
- PNLA Assy

(SUB UCOM: IC6601)
- B

■

C

■

D

■

E

■

F

8.2 UPDATING OF THE FIRMWARE

A. Confirmation of the Download Files:

1. Unzip the downloaded file.

For Windows:

Save the downloaded file [DJM-750Updater_vxxx_Win.zip] to an arbitrary directory such as desktop and unzip it.

For MacOS:

Save the downloaded file [DJM-750Updater_vxxx_Mac.dmg] to an arbitrary directory such as desktop and double click to mount it.

2. Check the unzipped file.

For Windows:

The [DJM-750Updater_vxxx_Win] folder is generated when the file is unzipped. Please ensure the following file is included in the folder.

1. [DJM750UP.upd]
2. [DJM-750Updater_vxxx.exe]
3. pcupdate.dll

For MacOS:

The [DJM-750Updater_vxxx_Mac] folder is generated when the file is extracted. Please ensure the following file is included in the folder.

1. [DJM-750Updater_vxxx.app]

Notes:

- xxx is the version of the new firmware.
- Extension (.exe or .app) might not be shown depending on your computer settings.

B. Set up DJM-750 for updating:

1. Connect your computer with DJM-750.

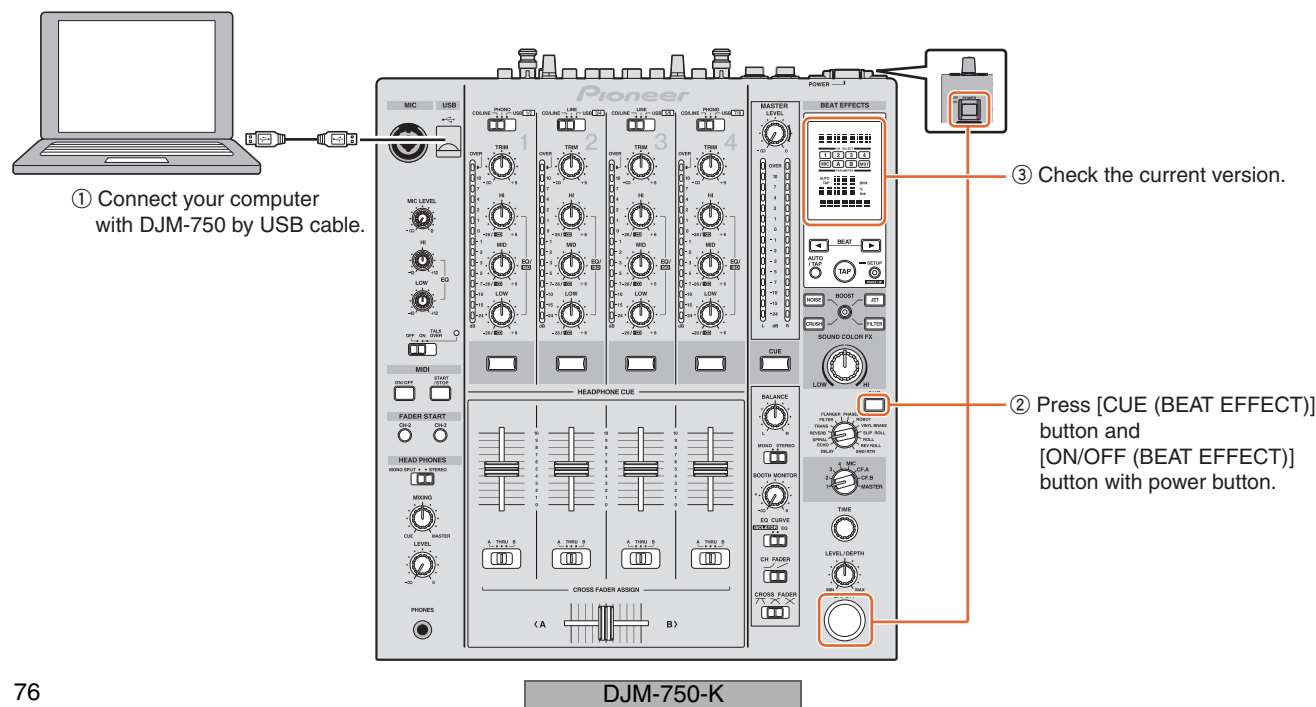
Connect your computer and the DJM-750 using a USB cable.

2. Go into update mode.

While holding [CUE (BEAT EFFECT)] and [ON/OFF (BEAT EFFECT)] buttons, press the Power button to go into update mode.

3. Check the current version.

Please check the current version of your firmware by checking the version displayed on the VFD. If the current version, xxx, is displayed, you do not need to continue the update process.



C. 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:

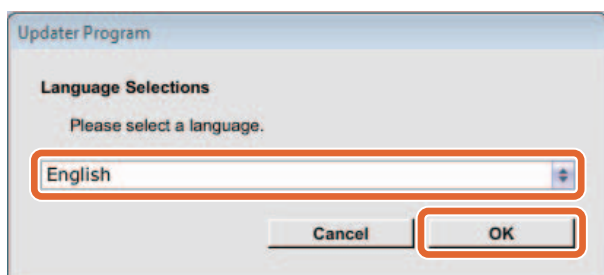
Double click [DJM-750Updater_vxxx.exe] to start the updater program.

For MacOS:

Double click [DJM-750Updater_vxxx.app] to start the updater program.

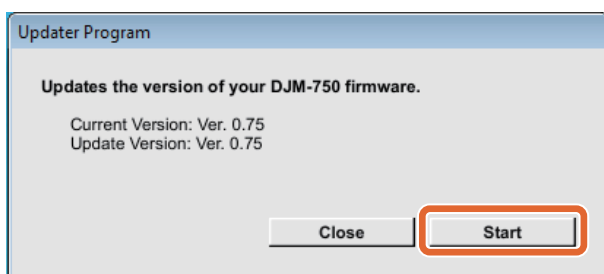
<STEP2> Select a language.

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



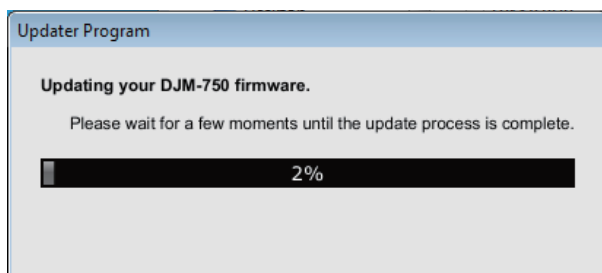
<STEP3> Check the version.

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.



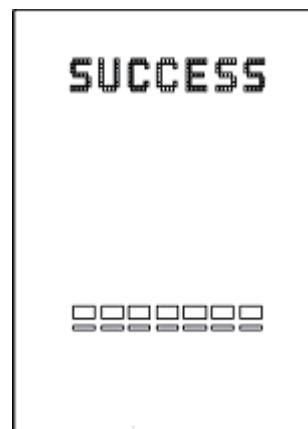
Update screen during updating

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]. "SUCCESS" message appears on the VFD of DJM-750 if the update is successfully completed.



<STEP5> Restart DJM-750.

Please turn off the power of DJM-750 and then turn it on again.

2. Check the current DJM-750 version to make sure that the update was completed.

<STEP1> Start DJM-750 in update mode:

While holding [CUE (BEAT EFFECT)] and [ON/OFF (BEAT EFFECT)] buttons, press the Power button.

<STEP2> Check the current version:

If the current version x.xx is displayed on the VFD of the DJM-750, the update has been successfully completed.

[Reference Information]

You can run this updater program only on the following OS:
Windows: WindowsXP/ Windows Vista/ Windows 7/ Windows8
MacOS: OS X 10.6/ 10.7/ 10.8

It will take approximately 3 minutes to complete the update process.

8.3 USER SETTABLE ITEMS

	Setting Item	FL Display	Setting Area	Initial Value (Factory settings)	Part No.	Part Name	Ref No.	Assy	Content to be Stored
A	MIDI CH	MIDI CH	1 to 16	1	DYW1828	Flash ROM	IC2802	MAIN	UTILITY setting
	MIDI Button Type	MIDI BT	TGL/TRG	TGL					
	TALK OVER MODE	TLK MOD	ADV/NOR	ADV					
	TALK OVER LEVEL	TLK LVL	-24dB/-18dB/-12dB/-6dB	-18dB					
B	Digital Master Out Level	DOUT LV	-19dB/-15dB/-10dB/-5dB	-19dB					
	Digital Out Sampling Rate	DOUT FS	48kHz/96kHz	96kHz					
	MASTER ATT.	MST ATT	-6dB/-3dB/0dB	0dB					
	Auto Standby	AUTOSTB	ON/OFF	ON					
	Mic Output To Booth Monitor	MIC BTH	ON/OFF	ON					
	Peak Limiter	PKLIMIT	ON/OFF	ON					
	PC Utility	PC UTLY	ON/OFF	ON					
	Factory Reset	INITIAL	YES/NO	NO					

8.4 SHEET FOR CONFIRMATION OF THE USER SETTING

When you write down a setting item, please make use of this seat.

USER SETUP

MIDI CH

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

MIDI Button Type

TGL	TRG

TALK OVER MODE

NOR	ADV

TALK OVER LEVEL

-24dB	-18dB	-12dB	-6dB

CLUB SETUP

Digital Master Out Level

-19dB	-15dB	-10dB	-5dB

Digital Out Sampling Rate

48kHz	96kHz

MASTER ATT.

-6dB	-3dB	0dB

Auto Standby

OFF	ON

Mic Output To Booth Monitor

OFF	ON

Peak Limiter

OFF	ON

PC Utility

OFF	ON

Factory Reset

NEVER perform FACTORY RESET before taking note of setting data.

■

5

■

6

■

7

■

8

■

A

■

B

■

C

■

D

■

E

■

F

■

5

■

6

■

7

■

8

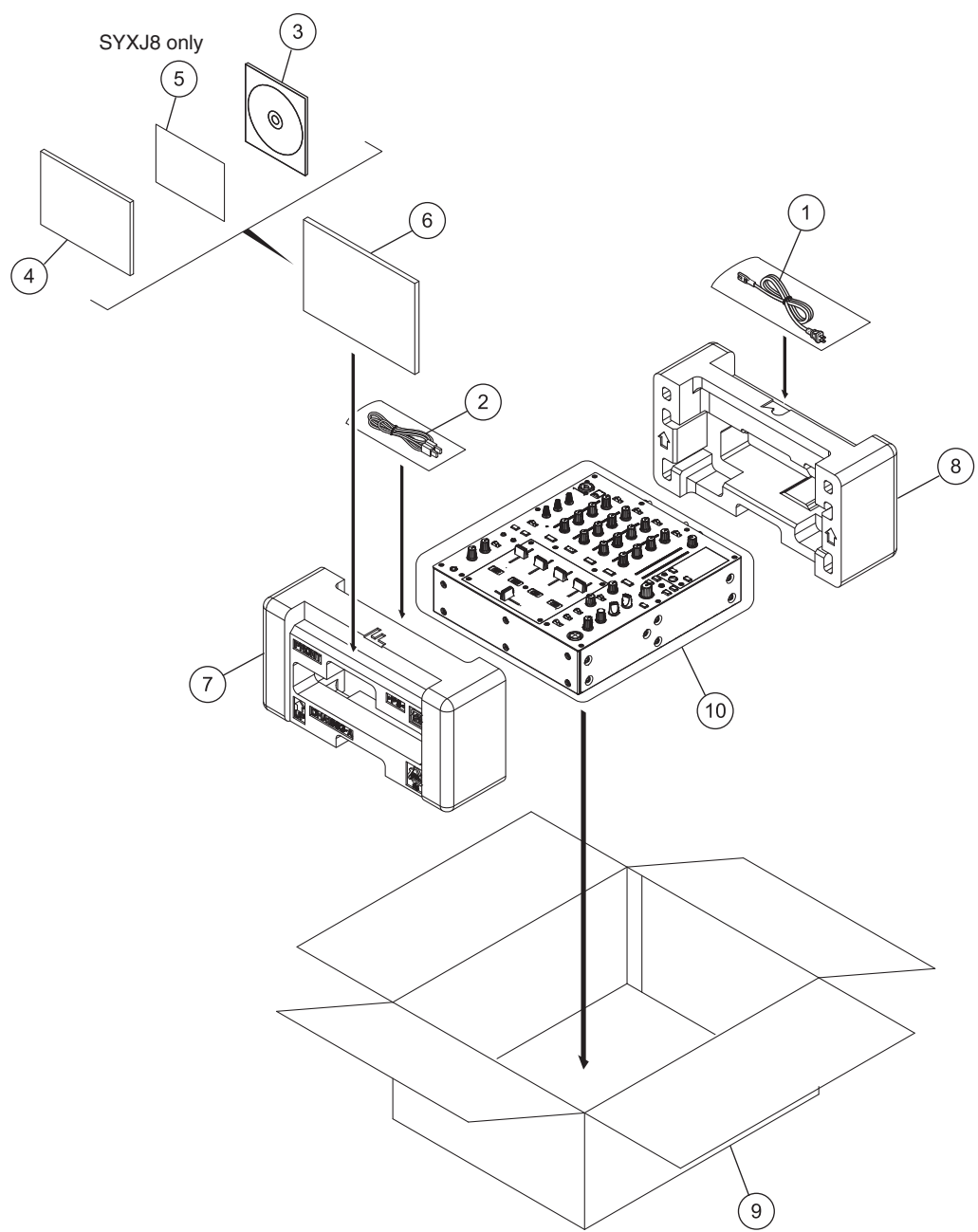
■

1 2 3 4

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

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
⚠ 1	Power Cord	See Contrast table (2)
2	USB Cable	DDE1128
3	Driver Software/ Operating Instructions CD-ROM	DXX2726
4	Read Before Use (Important)/ Quick Start Guide	See Contrast table (2)
NSP 5	Warranty	See Contrast table (2)
NSP 6	Polyethylene Bag	AHG7117
7	Packing Pad/A	DHA1883
8	Packing Pad/B	DHA1884
9	Packing Case	See Contrast table (2)
10	Packing Sheet	RHC1023

(2) CONTRAST TABLE

DJM-750-K/SYXJ8, UXJCB, LXJ, KXJ5, XJCN5, DJM-750-S/SYXJ8, UXJCB, LXJ, KXJ5 and XJCN5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-750-K /SYXJ8	DJM-750-K /UXJCB	DJM-750-K /LXJ	DJM-750-K /KXJ5	DJM-750-K /XJCN5
⚠	1	Power Cord	ADG7062	DDG1108	ADG7062	ADG7115	ADG7105
	4	Read Before Use (Important) /Quick Start Guide	DRH1205	DRH1206	DRH1216	DRH1219	DRH1218
NSP	5	Warranty	ARY7158	Not used	Not used	Not used	Not used
	9	Packing Case	DHG3239	DHG3240	DHG3241	DHG3244	DHG3243

Mark	No.	Symbol and Description	DJM-750-S /SYXJ8	DJM-750-S /UXJCB	DJM-750-S /LXJ	DJM-750-S /KXJ5	DJM-750-S /XJCN5
⚠	1	Power Cord	ADG7062	DDG1108	ADG7062	ADG7115	ADG7105
	4	Read Before Use (Important) /Quick Start Guide	DRH1205	DRH1206	DRH1216	DRH1219	DRH1218
NSP	5	Warranty	ARY7158	Not used	Not used	Not used	Not used
	9	Packing Case	DHG3245	DHG3246	DHG3247	DHG3250	DHG3249

9.2 EXTERIOR SECTION

A

Refer to
"9.4 CONTROL PANEL SECTION (1/2)" .

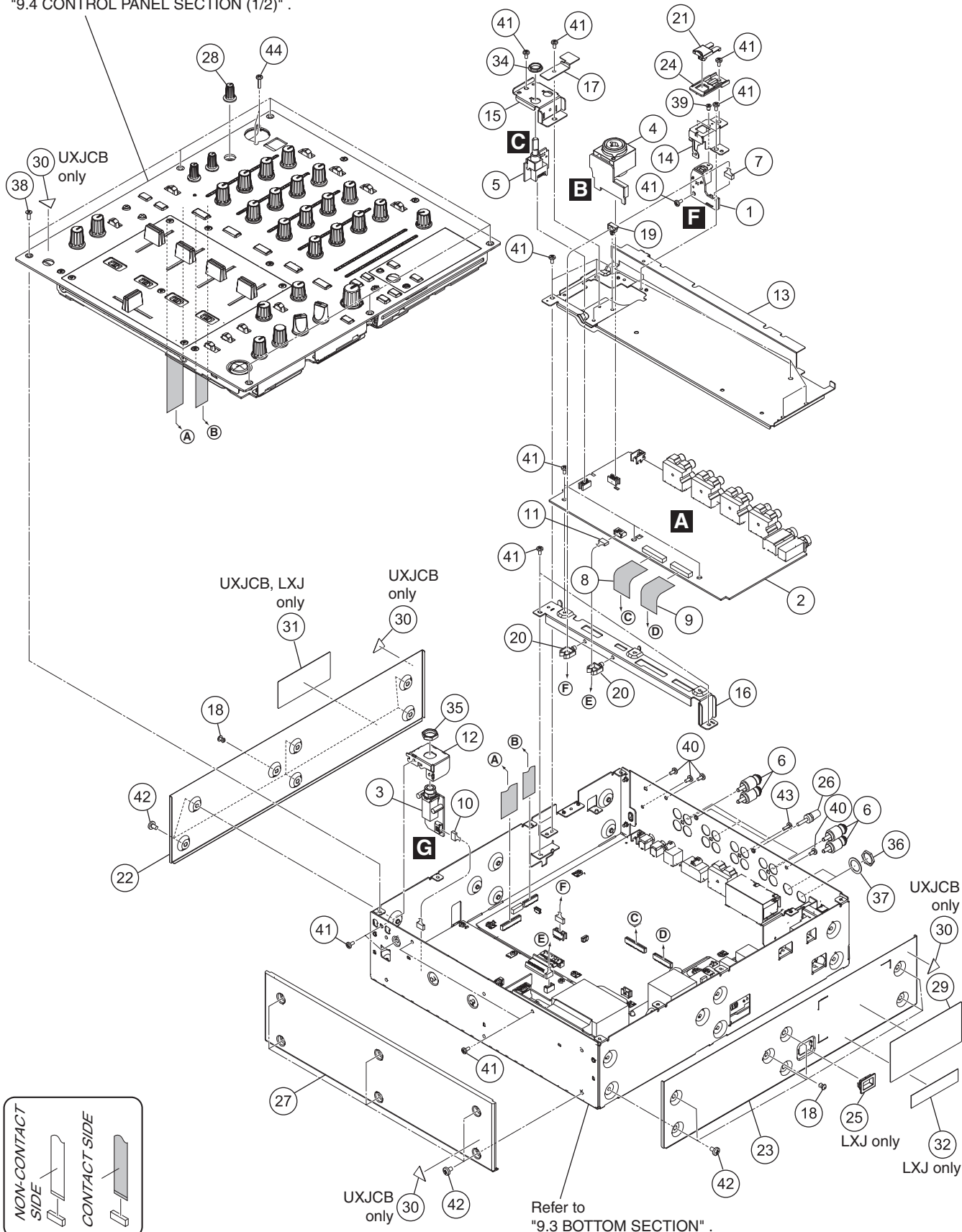
B

C

D

E

F



(1) EXTERIOR SECION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.	
1	USBI Assy	DWX3431	21	USB Cover B	DNK5868	
2	INPUT Assy	DWX3432	22	Side Panel L	DNK6061	A
3	HPJK Assy	DWX3433	23	Side Panel R	See Contrast table (2)	
4	MIC1 Assy	DWX3441	24	Panel/USB	DNK6120	
5	MTRM Assy	DWX3442	25	Knob/POW	See Contrast table (2)	
6	Plug/Pin	DKM1024	26	Terminal Screw	AKE-031	
7	Shielded Conn-Cable	DDA1043	27	Front Panel	DNK6063	
8	FFC/25P	DDD1597	28	Knob/EQ	DAA1302	
9	FFC/22P	DDD1598	NSP 29	Name Label	See Contrast table (2)	
10	Connector Assy	PF04PP-S05	NSP 30	Label	See Contrast table (2)	
11	Cable	PF04PP-S17	NSP 31	Caution Label	See Contrast table (2)	B
12	Stay/HP	DNF1907	NSP 32	V Select Label	See Contrast table (2)	
13	Shield Plate/INP	DNF1908	33	•••••		
14	Bracket/USB	DNF1909	34	Flange Nut M9	DBN1008	
15	Bracket/MIC	DNF1929	35	Nut (M12)	NKX2FNI	
16	Stay/INP	DNF1911	36	Nut M12	DBN1018	
17	Bracket/SCN	DNH3090	37	Washer	DEC2920	
18	Nylon Rivet	AEC1671	38	Screw (FE)	See Contrast table (2)	
19	Locking Mini Clamp	DEC2439	39	Screw (M3*5)	DBA1340	
20	Holder	VEC1355	40	Screw	BBZ30P060FTB	C
			41	Screw	BBZ30P060FTC	
			42	Screw	BBZ40P060FTB	
			43	Screw	BPZ30P080FTB	
			44	Screw	BPZ30P120FTB	

(2) CONTRAST TABLE

DJM-750-K/SYXJ8, UXJCB, LXJ, KXJ5, XJCN5, DJM-750-S/SYXJ8, UXJCB, LXJ, KXJ5 and XJCN5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-750-K /SYXJ8	DJM-750-K /UXJCB	DJM-750-K /LXJ	DJM-750-K /KXJ5	DJM-750-K /XJCN5
	23	Side Panel R	DNK6062	DNK6062	DNK6065	DNK6062	DNK6062
	25	Knob/POW	Not used	Not used	DNK6066	Not used	Not used
NSP	29	Name Label	DAL1260	DAL1245	DAL1246	DAL1249	DAL1248
NSP	30	Label	Not used	DRW1975	Not used	Not used	Not used
NSP	31	Caution Label	Not used	DRW2429	DRW2430	Not used	Not used
NSP	32	V Select Label	Not used	Not used	DRW2400	Not used	Not used
	38	Screw (FE)	DBA1290	DBA1290	DBA1290	DBA1290	DBA1290

Mark	No.	Symbol and Description	DJM-750-S /SYXJ8	DJM-750-S /UXJCB	DJM-750-S /LXJ	DJM-750-S /KXJ5	DJM-750-S /XJCN5
	23	Side Panel R	DNK6062	DNK6062	DNK6065	DNK6062	DNK6062
	25	Knob/POW	Not used	Not used	DNK6066	Not used	Not used
NSP	29	Name Label	DAL1261	DAL1251	DAL1252	DAL1255	DAL1254
NSP	30	Label	Not used	DRW1975	Not used	Not used	Not used
NSP	31	Caution Label	Not used	DRW2429	DRW2430	Not used	Not used
NSP	32	V Select Label	Not used	Not used	DRW2400	Not used	Not used
	38	Screw (FE)	DBA1436	DBA1436	DBA1436	DBA1436	DBA1436

9.3 BOTTOM SECTION

A

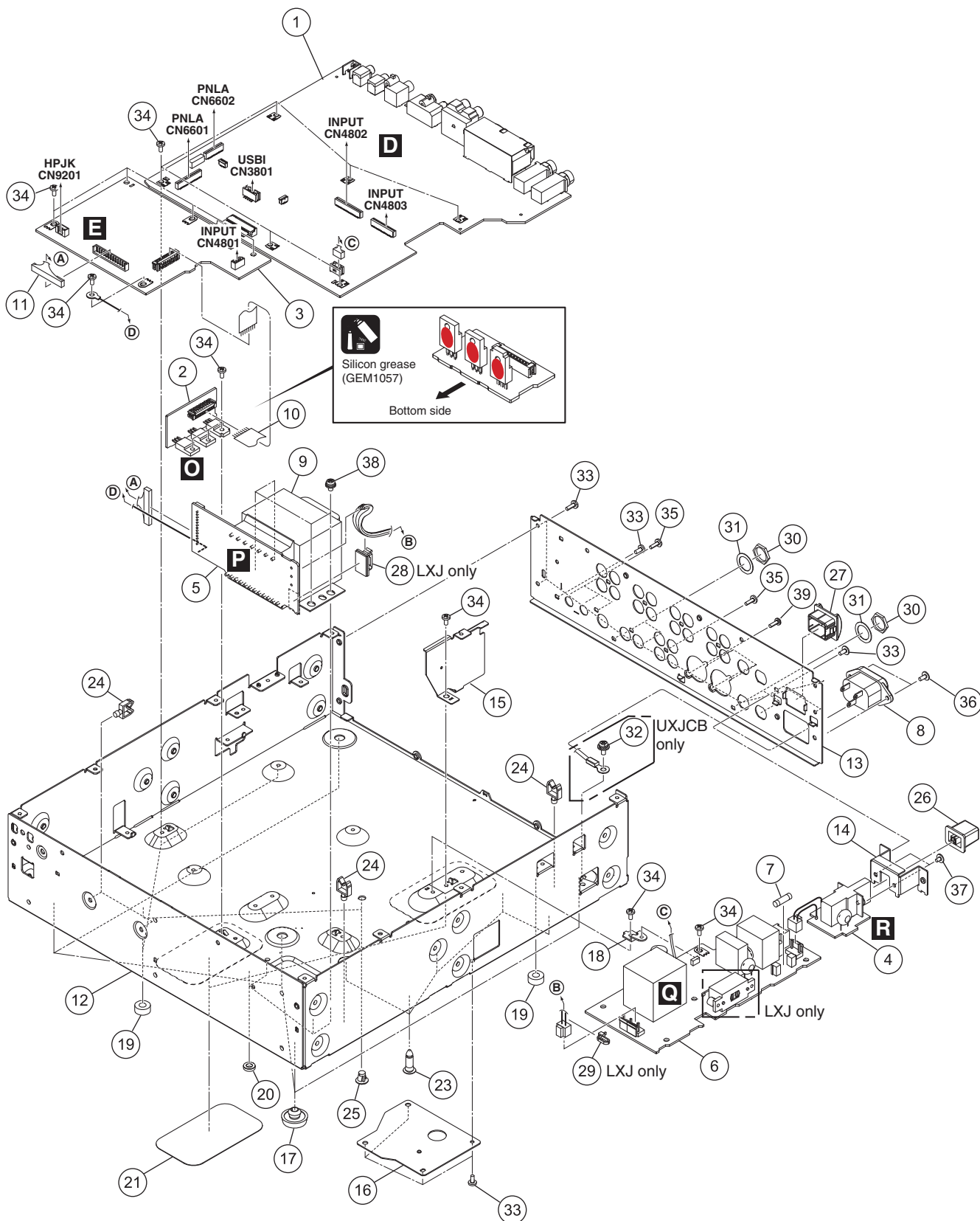
B

C

D

E

F



(1) BOTTOM SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	MAIN Assy	DWX3430	21	Sheet/BOT	DEC3404
2	REG Assy	DWR1528	22	•••••	
3	SEC/HP Assy	DWR1529	23	PCB Holder	PNW2029
4	ACSW Assy	DWR1532	24	Holder	VEC1355
5	PRIMARY Assy	See Contrast table (2)	NSP 25	PC Support	VEC1749
6	TRANS Assy	See Contrast table (2)	26	Power Knob	DAC2306
⚠ 7	Fuse (T630 mA)	AEK1052	27	Power Knob Guard	DNK4534
⚠ 8	AC Inlet	See Contrast table (2)	28	Locking Wire Saddle	See Contrast table (2)
⚠ 9	Transformer	See Contrast table (2)	29	Binder	See Contrast table (2)
10	Jumper Wire	D20PYY1010E	30	Nut (M12)	NKX2FNI
11	Connector Assy	PF13EE-S17	31	Washer	DEC2920
NSP 12	Chassis/750	DNA1453	32	Screw	See Contrast table (2)
13	Rear Panel	See Contrast table (2)	33	Screw	BBZ30P060FTB
14	Bracket PSW	DNF1759	34	Screw	BBZ30P060FTC
15	Shield Plate/PW	DNF1906	35	Screw	BPZ30P080FTB
NSP 16	Plate	DNK6124	36	Screw	IBZ30P080FTB
17	Foot (Rubber)	REC-434	37	Screw	IMZ30P040FTC
NSP 18	PCB Stay (FE)	VNE2489	38	Screw	PMB40P060FTB
NSP 19	Spacer	AEB7092	39	Screw	PPZ30P080FTB
20	Spacer	DEB1998			

(2) CONTRAST TABLE

DJM-750-K/SYXJ8, UXJCB, LXJ, KXJ5, XJCN5, DJM-750-S/SYXJ8, UXJCB, LXJ, KXJ5 and XJCN5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-750-K /SYXJ8	DJM-750-K /UXJCB	DJM-750-K /LXJ	DJM-750-K /KXJ5	DJM-750-K /XJCN5
⚠	5	PRIMARY Assy	DWR1535	DWR1537	DWR1530	DWR1535	DWR1535
⚠	6	TRANS Assy	DWR1536	DWR1538	DWR1531	DWR1536	DWR1536
⚠	8	AC Inlet/3P	Not used	DKP3915	Not used	Not used	Not used
⚠	8	AC Inlet/2P	DKP3916	Not used	DKP3916	DKP3916	DKP3916
	9	Transformer	DTT1256	DTT1257	DTT1256	DTT1256	DTT1256
	13	Rear Panel	DNC2101	DNC2102	DNC2103	DNC2106	DNC2105
	28	Locking Wire Saddle	Not used	Not used	DEC3439	Not used	Not used
	29	Binder	Not used	Not used	ZCA-SKB90BK	Not used	Not used
	32	Screw	Not used	PMH40P080FTC	Not used	Not used	Not used

Mark	No.	Symbol and Description	DJM-750-S /SYXJ8	DJM-750-S /UXJCB	DJM-750-S /LXJ	DJM-750-S /KXJ5	DJM-750-S /XJCN5
⚠	5	PRIMARY Assy	DWR1535	DWR1537	DWR1530	DWR1535	DWR1535
⚠	6	TRANS Assy	DWR1536	DWR1538	DWR1531	DWR1536	DWR1536
⚠	8	AC Inlet/3P	Not used	DKP3915	Not used	Not used	Not used
⚠	8	AC Inlet/2P	DKP3916	Not used	DKP3916	DKP3916	DKP3916
⚠	9	Transformer	DTT1256	DTT1257	DTT1256	DTT1256	DTT1256
	13	Rear Panel	DNC2101	DNC2102	DNC2103	DNC2106	DNC2105
	28	Locking Wire Saddle	Not used	Not used	DEC3439	Not used	Not used
	29	Binder	Not used	Not used	ZCA-SKB90BK	Not used	Not used
	32	Screw	Not used	PMH40P080FTC	Not used	Not used	Not used

1 2 3 4

9.4 CONTROL PANEL SECTION (1/2)

A

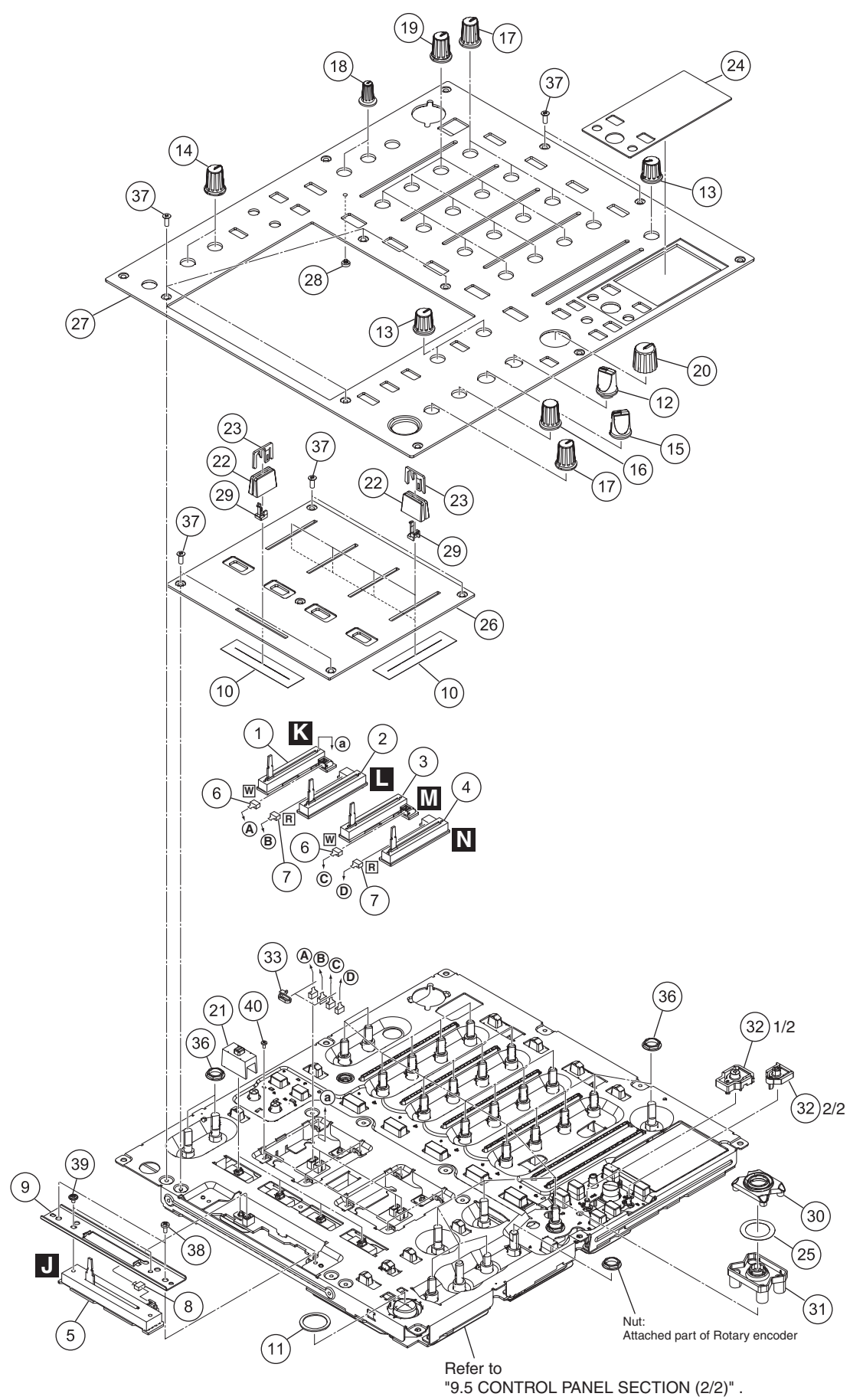
B

C

D

E

F



(1) CONTROL PANEL SECTION (1/2) PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.	
1	FAD1 Assy	DWX3434	21	Slide SW Cap (W)	DAC2401	
2	FAD2 Assy	DWX3435	22	Slider Knob 1	DAC2684	A
3	FAD3 Assy	DWX3436	23	Slider Knob 2	DAC2685	
4	FAD4 Assy	DWX3437	24	Panel/FL	DAH2936	
5	FADC Assy	DWX3438	25	Ring	DEC3479	
6	Connector Assy	PF03PP-B05	26	Panel/FD	See Contrast table (2)	
7	Connector Assy	PF03PP2B05	27	Control Panel	See Contrast table (2)	
8	Connector Assy	PF03PP6B07	28	Lens	DNK4532	
9	CRF Stay	DNF1870	29	Slider Knob Stopper	DNK5888	
10	Fader Packing	DEC2903	30	Lens	DNK6231	
11	SW Packing (EF)	DEC2929	31	Reflector	DNK6232	B
12	Select Knob	DAA1205	32	Button Assy/UTY	DXB2138	
13	Knob (MA)	DAA1210	33	Binder	ZCA-SKB90BK	
14	Knob (Black)	DAA1212	34	•••••		
15	FX SEL Knob	DAA1213	35	•••••		
16	Knob (TIME)	DAA1214	36	Flange Nut M9	DBN1008	
17	Rotary Knob (BN)	DAA1220	37	Screw (FE)	See Contrast table (2)	
18	Knob/MIC	DAA1301	38	Screw	BBZ30P060FTC	
19	Knob/RSW	DAA1306	39	Screw	IMZ30P040FTC	
20	Knob/FRE	DAA1309	40	Screw	PMA20P040FTC	C

(2) CONTRAST TABLE

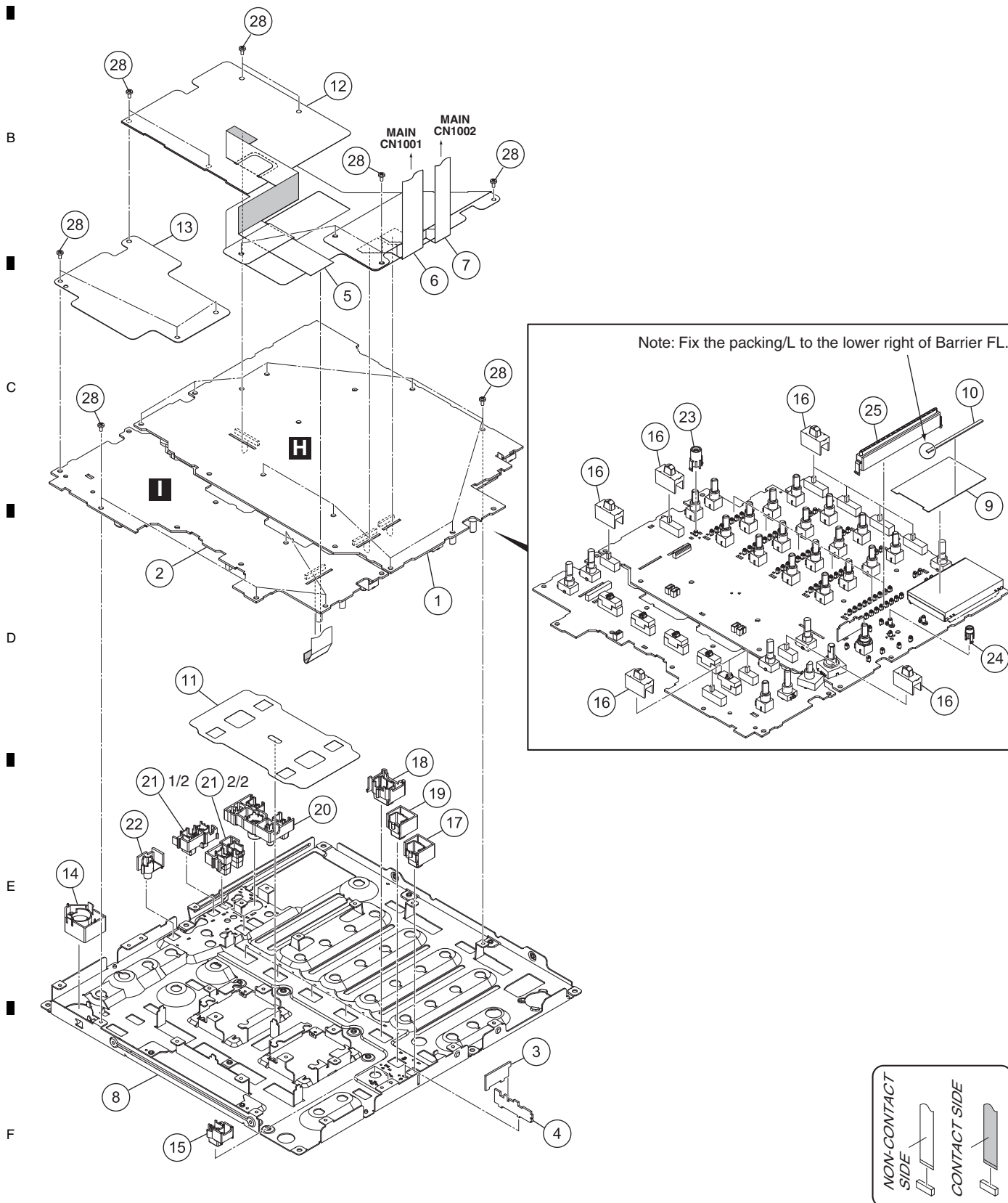
DJM-750-K/SYXJ8, UXJCB, LXJ, KXJ5, XJCN5, DJM-750-S/SYXJ8, UXJCB, LXJ, KXJ5 and XJCN5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-750-K /SYXJ8	DJM-750-K /UXJCB	DJM-750-K /LXJ	DJM-750-K /KXJ5	DJM-750-K /XJCN5	
	26	Panel/FD	DNB1216	DNB1216	DNB1216	DNB1216	DNB1216	
	27	Control Panel	DNB1218	DNB1218	DNB1218	DNB1218	DNB1218	D
	37	Screw (FE)	DBA1290	DBA1290	DBA1290	DBA1290	DBA1290	
Mark	No.	Symbol and Description	DJM-750-S /SYXJ8	DJM-750-S /UXJCB	DJM-750-S /LXJ	DJM-750-S /KXJ5	DJM-750-S /XJCN5	
	26	Panel/FD	DNB1217	DNB1217	DNB1217	DNB1217	DNB1217	
	27	Control Panel	DNB1219	DNB1219	DNB1219	DNB1219	DNB1219	
	37	Screw (FE)	DBA1436	DBA1436	DBA1436	DBA1436	DBA1436	

9.5 CONTROL PANEL SECTION (2/2)

A • Bottom view

Note:
Refer to "7. DISASSEMBLY" for styling of flexible cables, barriers.



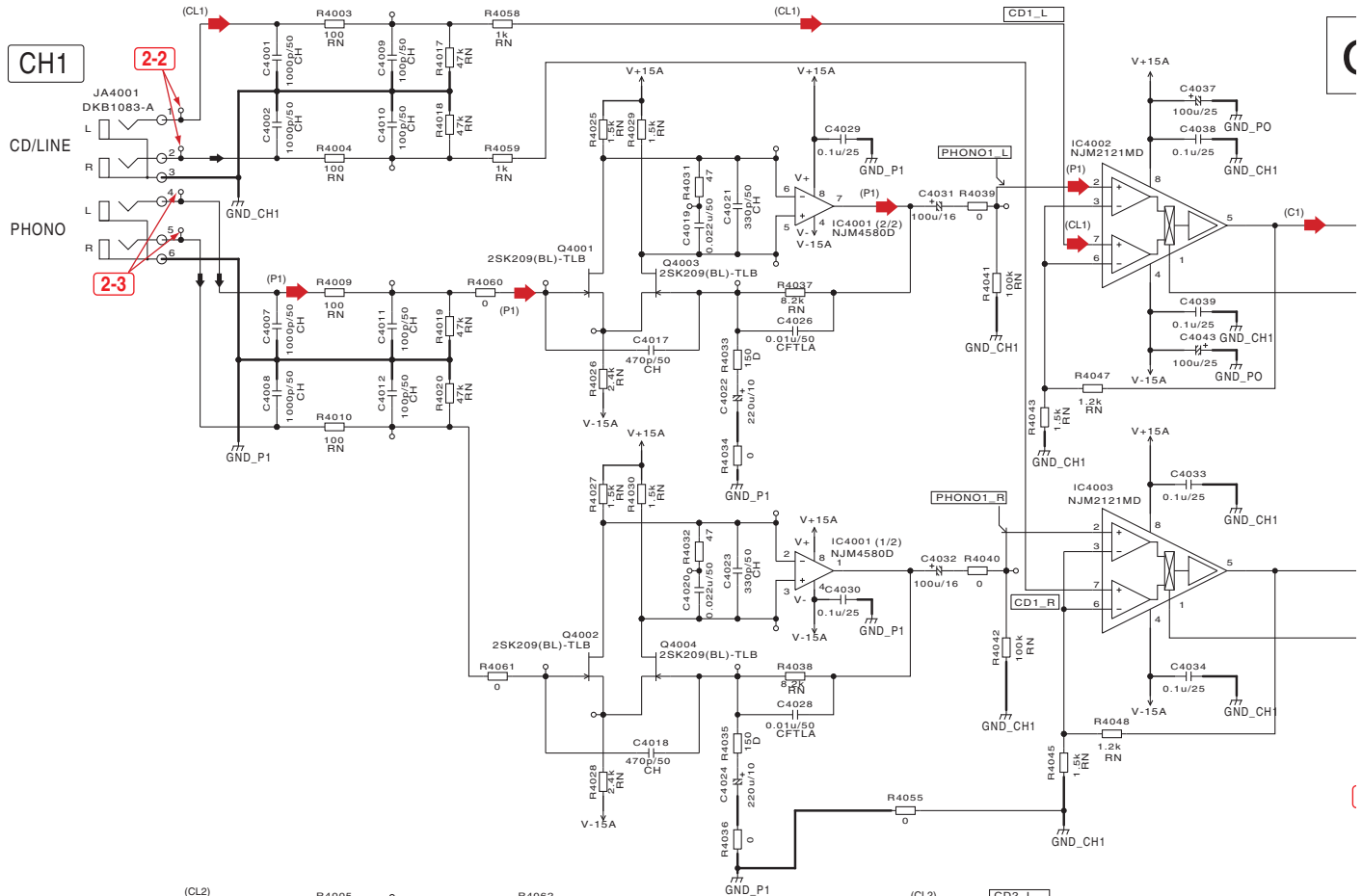
CONTROL PANEL SECTION (2/2) PARTS LIST

Mark No.	Description	Part No.	
1	PNLA Assy	DWX3439	
2	PNLB Assy	DWX3440	A
3	SHADE1 Assy	DWX3479	
4	SHADE2 Assy	DWX3483	
5	FFC/27P	DDD1601	
6	FFC/24P	DDD1628	
7	FFC/17P	DDD1629	
8	Stay/PNL	DND1275	
9	Barrier FL	DEC3351	
10	Packing/L	DEC3416	
11	Barrier/CHF	DMR1017	B
12	Barrier/PNL	DMR1018	
13	Barrier/A	DMR1019	
14	Effect Knob	DAC2304	
15	Button (FL)	DAC2398	
16	Slide SW Cap	DAC2400	
17	MIC Knob	DAC2522	
18	Button/CUE	DAC2873	
19	Button/BLK	DAC2920	
20	Button/TAP	DAC2921	C
21	Button/CFX	DAC2923	
22	Button/CUE	DAC2925	
23	Lens Holder	DNK4533	
24	Holder/LED	DNK6230	
25	Lebel Meter Assy	DXB1882	
26			
27			
28	Screw	BBZ30P060FTC	D

10. SCHEMATIC DIAGRAM

10.1 INPUT ASSY (1/5)

A



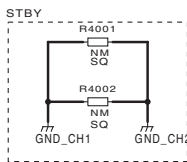
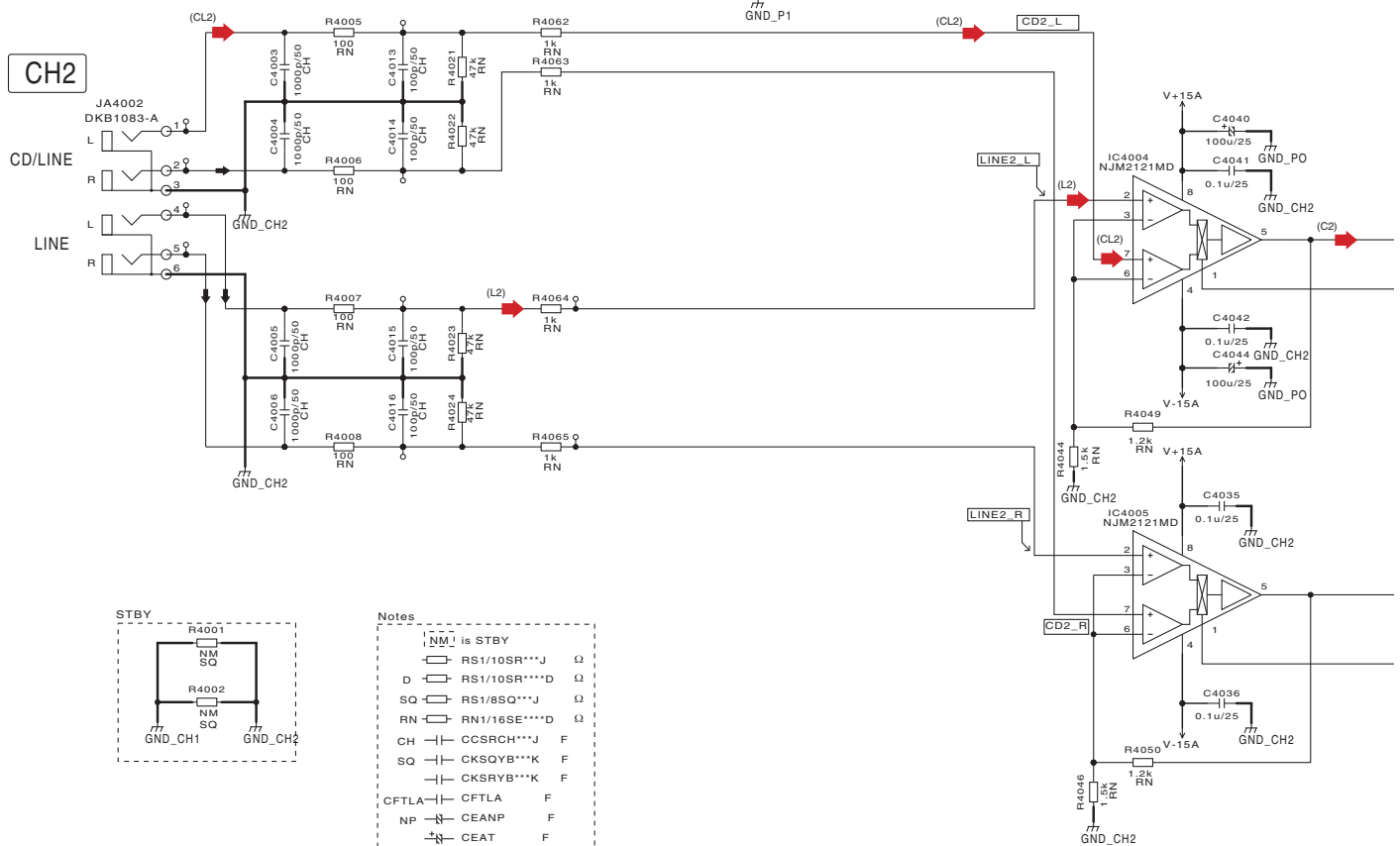
B

C

D

E

F

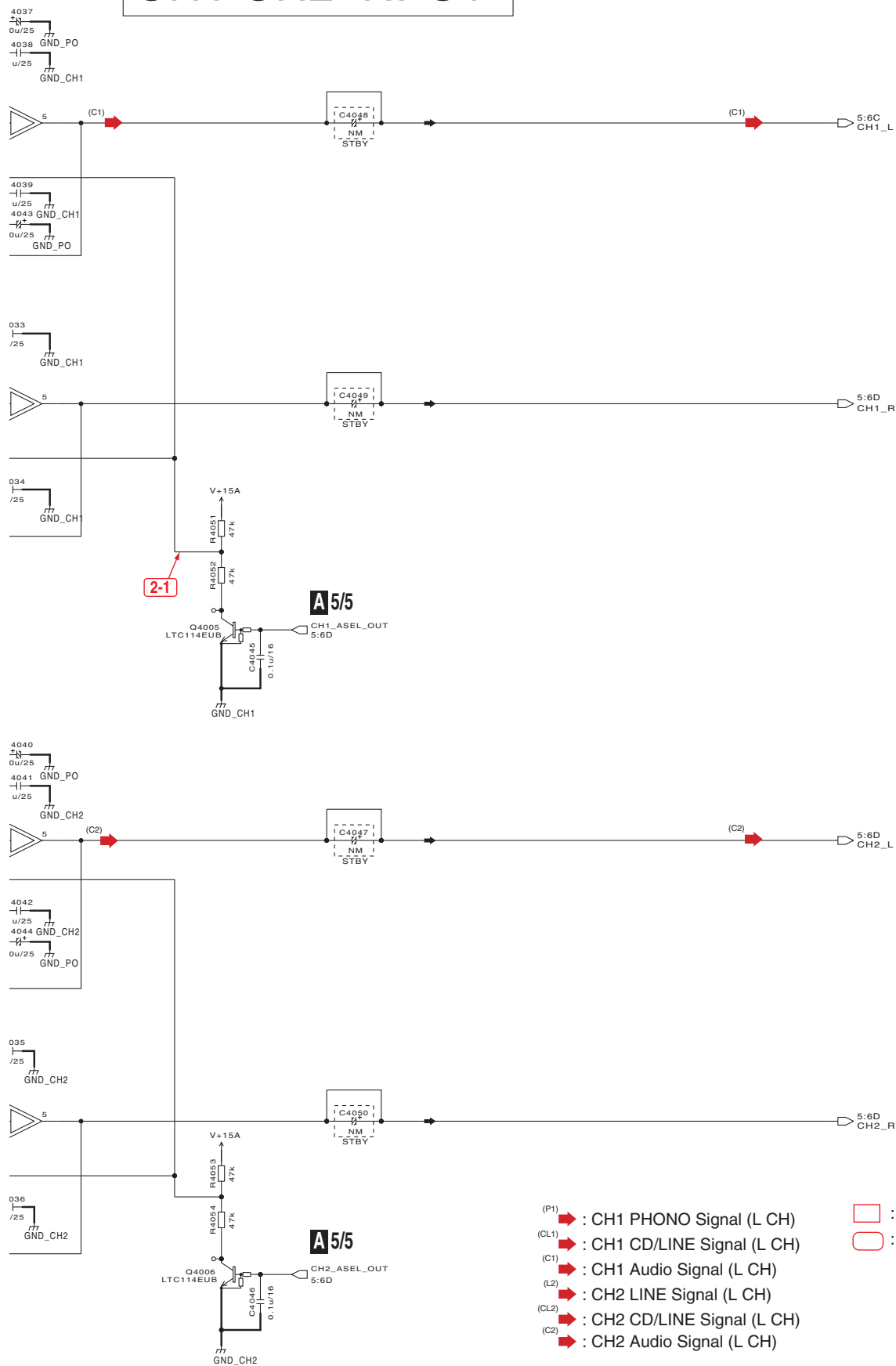


Notes

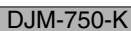
□	RS1/10SR***J	Ω
D	RS1/10SR***D	Ω
SQ	RS1/8SQ***J	Ω
RN	RN1/16SE***D	Ω
CH	CSSRCH***J	F
SQ	CKSQYB***K	F
	CKSRYB***K	F
CFTLA	CFTLA	F
NP	CEANP	F
	CEAT	F

CH1 CH2 INPUT

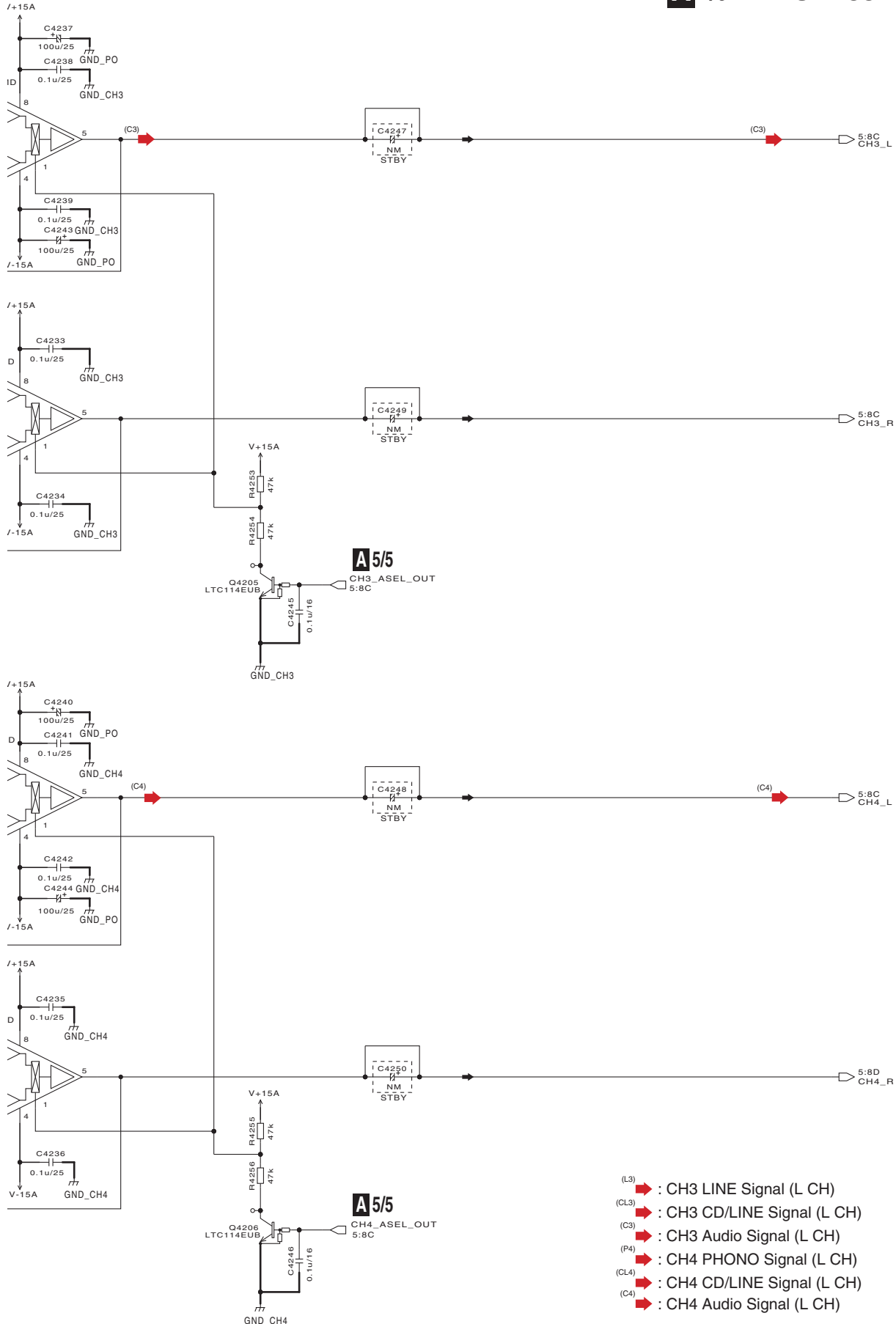
A1/5 INPUT ASSY (DWX3432)



A 2/5



A2/5 INPUT ASSY (DWX3432)



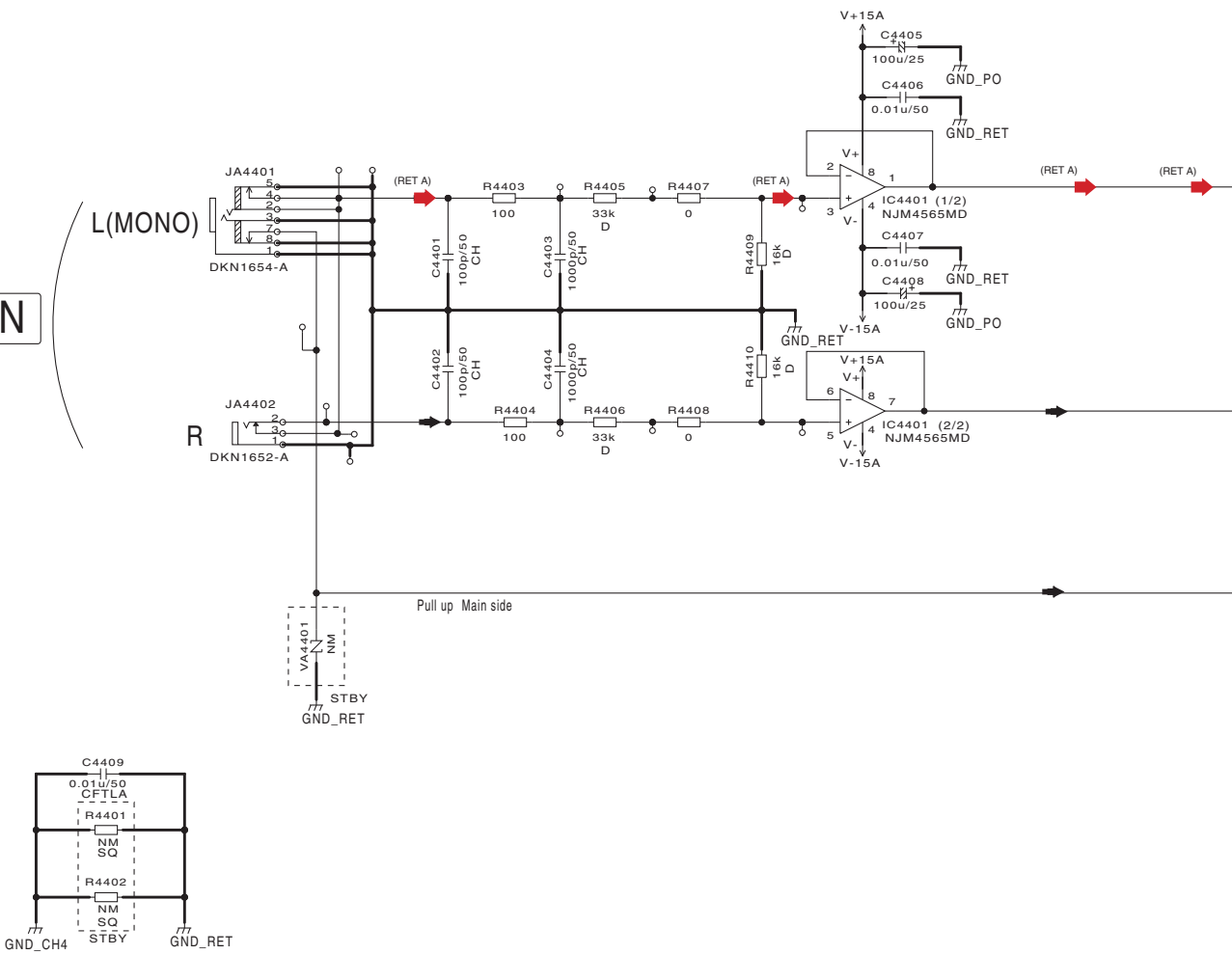
A5/5
To BOARD IF Block

- (L3) : CH3 LINE Signal (L CH)
- (CL3) : CH3 CD/LINE Signal (L CH)
- (C3) : CH3 Audio Signal (L CH)
- (P4) : CH4 PHONO Signal (L CH)
- (CL4) : CH4 CD/LINE Signal (L CH)
- (C4) : CH4 Audio Signal (L CH)

10.3 INPUT ASSY (3/5)

RETURN

RETURN



A3/5 INPUT ASSY (DWX3432)

A

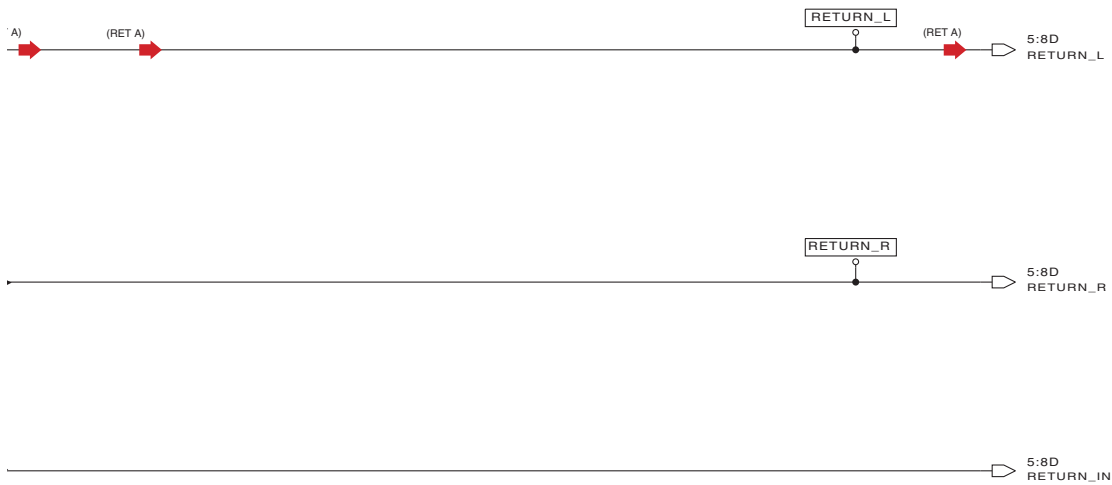
B

C

D

E

F


A5/5

To BOARD IF Block

Notes

[NM] is STBY		
RS1/10SR***J	Ω	
D RS1/10SR***D	Ω	
SQ RS1/8SQ***J	Ω	
RN RN1/16SE***D	Ω	
CH CCSRCH***J	F	
SQ CKSQYB***K	F	
CKSRYB***K	F	
CFTLA CFTLA	F	
NP CEANP	F	
CEAT	F	

(RET A)

: RETURN Audio Signal (L CH)

A

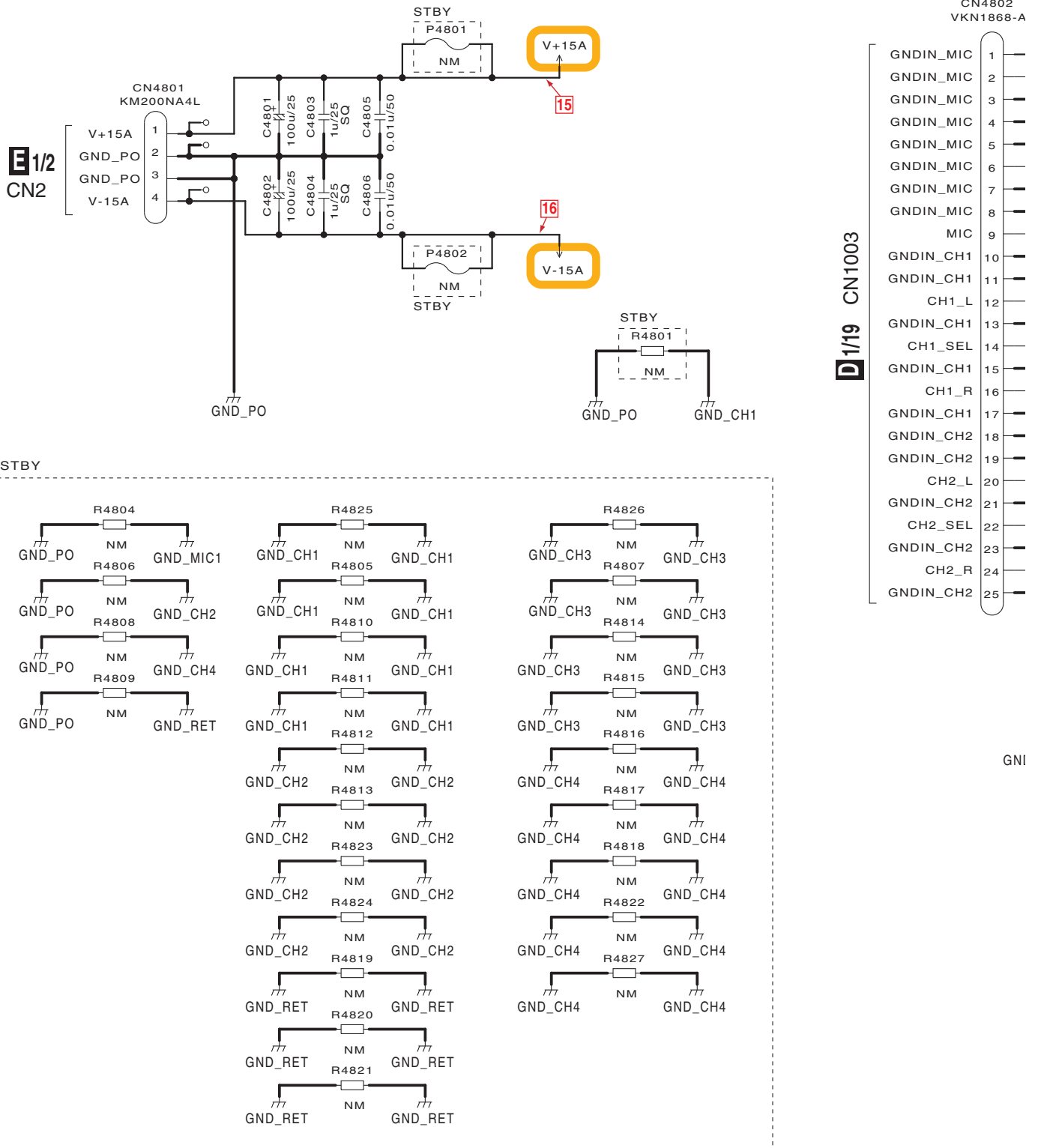


C

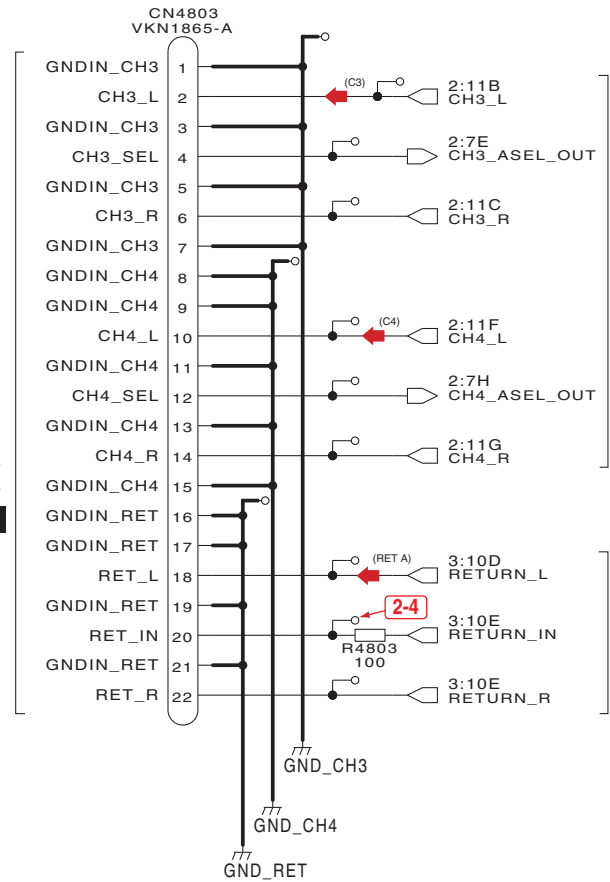
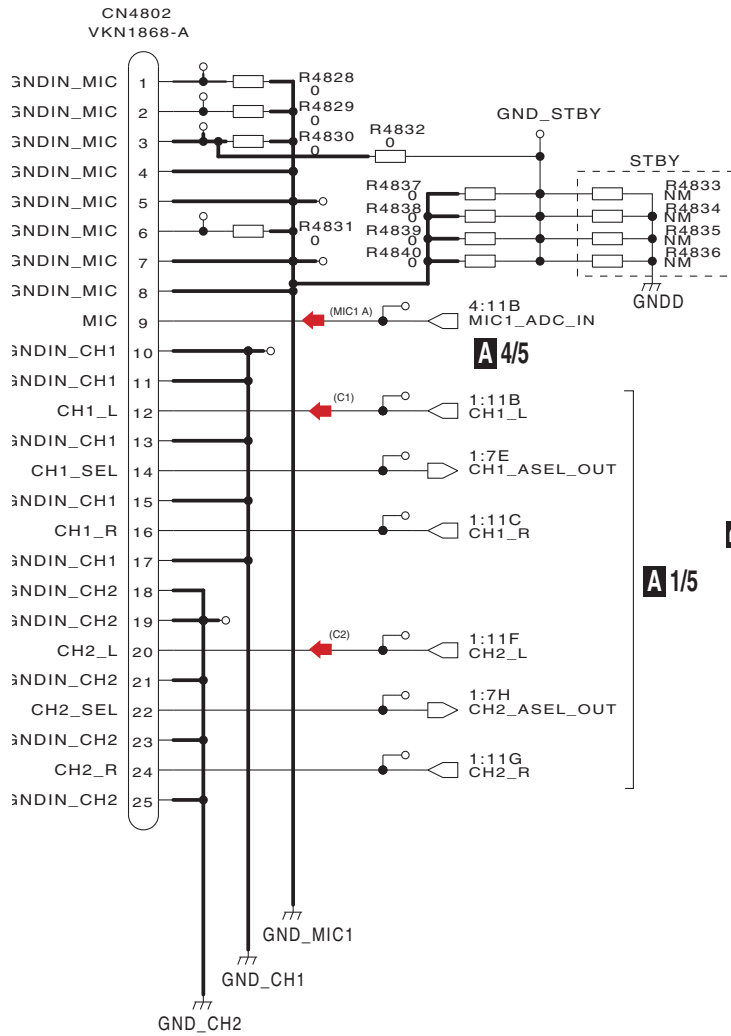
D

10.5 INPUT ASSY (5/5)

BOARD I/F



A5/5 INPUT ASSY (DWX3432)



- (C1) : CH1 Audio Signal (L CH)
(C2) : CH2 Audio Signal (L CH)
(C3) : CH3 Audio Signal (L CH)
(C4) : CH4 Audio Signal (L CH)
(RET A) : RETURN Audio Signal (L CH)
(MIC1 A) : MIC1 Audio Signal

- : Voltage measuring point
○ : Waveform measuring point

MIC1 ASSY (DWX3441)

MIC JACK

MIC SHIELD:DNF1849

MIC1

JA9001

CKS3533-A
CN9001

A4/5 CN4601

CH

NOTES

NM is STBY

SQ  CKSQYB

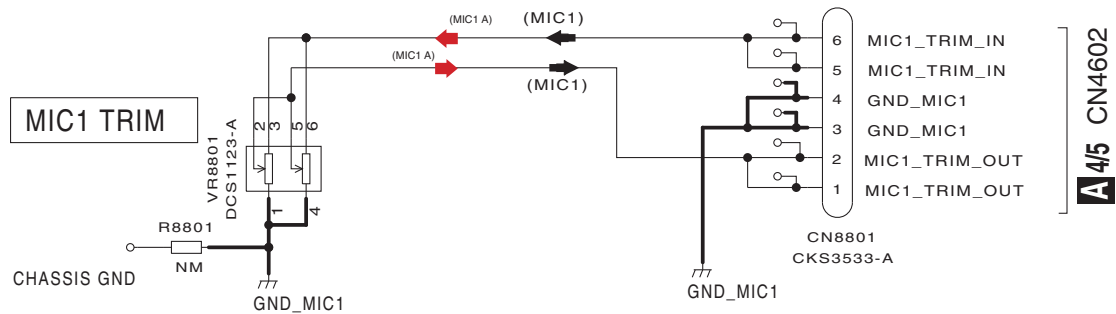
LA  CFTLA

 RS1/10SR****J

(MIC1 A)  : MIC1 Audio Signal

C MTRM ASSY (DWX3442)

MIC TRIM



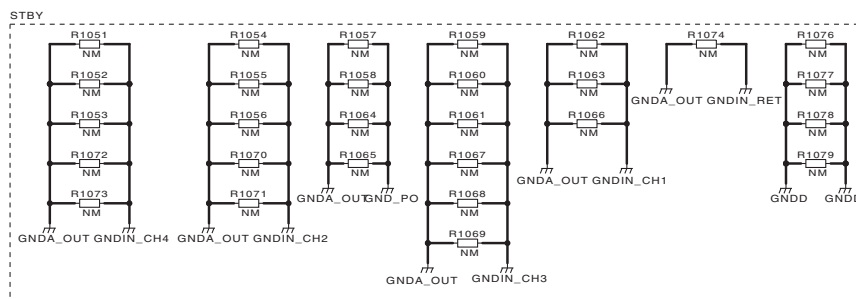
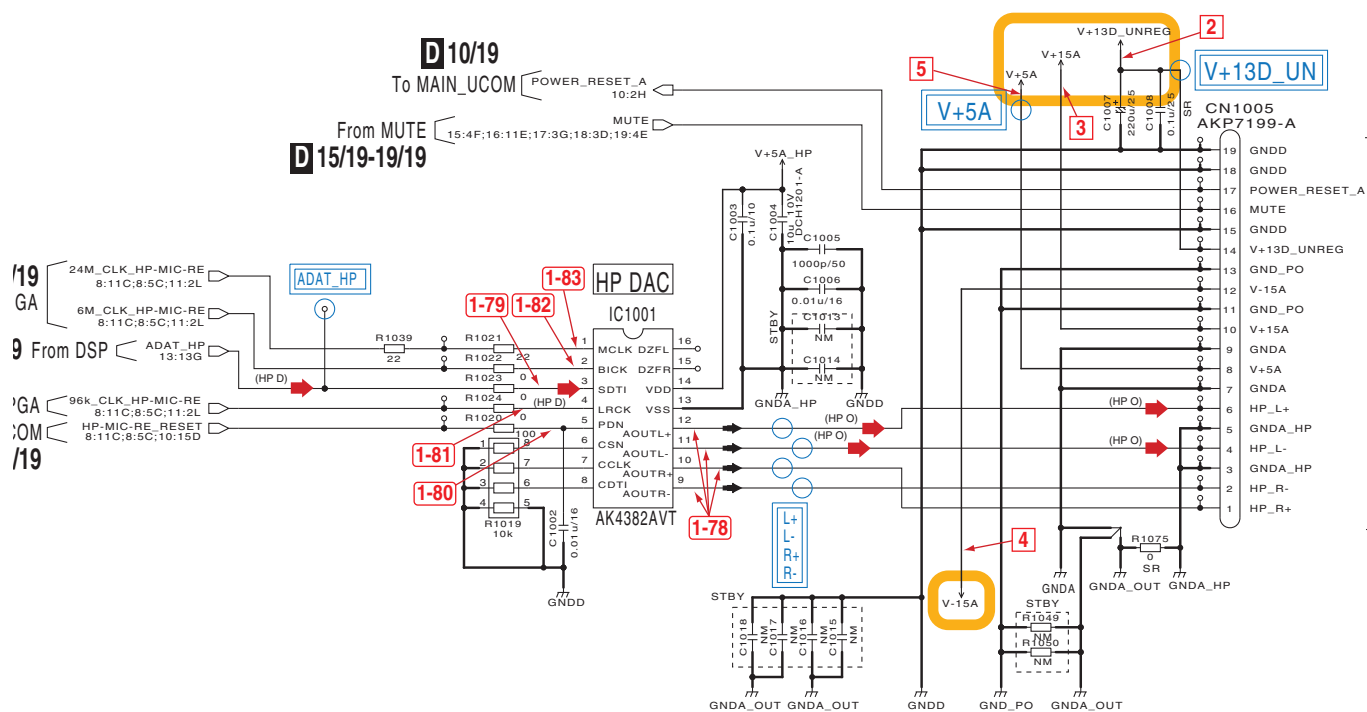
(MIC1 A) : MIC1 Audio Signal

NOTES NM is STBY
RS1/10SR***J

BOARD IF



D1/19 MAIN ASSY (DWX3430)



NOTES

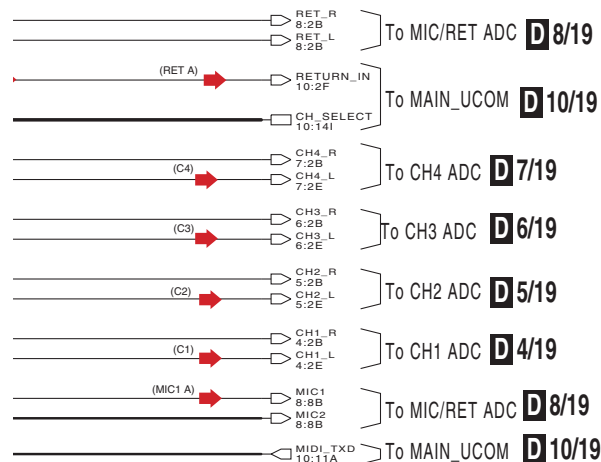
1/16W	RS1/16SS***J	Ω
(D)	RS1/16SS***D	Ω
SR	RS1/10SR***J	Ω
SR (D)	RS1/10SR***D	Ω
1/8W	RS1/8SQ***J	Ω
1/8W (F)	RS1/8SQ***F	Ω
1/4W	RS1/4SA***J	Ω
RN	RN1/16SE***D	Ω
	RAB4CQ***J	Ω
CKSSYB***K	CKSSYB***K	F
CKSRYB***K	CKSRYB***K	F
CKSQYB***K	CKSQYB***K	F
CH	CCSSCH***J	F
CH (D)	CCSSCH***D	F
SRCH	CCSRCH***J	F
SOCH	CCSOCH***J	F
CFHXSO	CFHXSO***J	F
CEVW***M	CEVW***M	F
NP	CEVWNP***M	F
HVW	CEHVW***M	F
HVAW	CEHVAW***M	F
CEANP	CEANP***M	F

- (C1) : CH1 Audio Signal (L CH)
- (C2) : CH2 Audio Signal (L CH)
- (C3) : CH3 Audio Signal (L CH)
- (C4) : CH4 Audio Signal (L CH)
- (RET A) : RETURN Audio Signal (L CH)
- (MIC1 A) : MIC1 Audio Signal
- (HP D) : HP OUT Digital Signal
- (HP O) : HP OUT Signal (L ch)

□ : Voltage measuring point

○ : Waveform measuring point

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

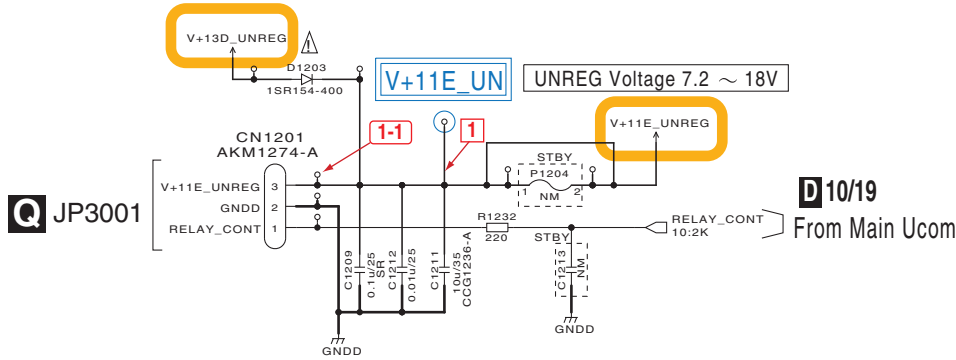


DJM-750-K

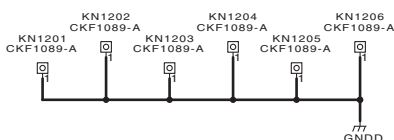
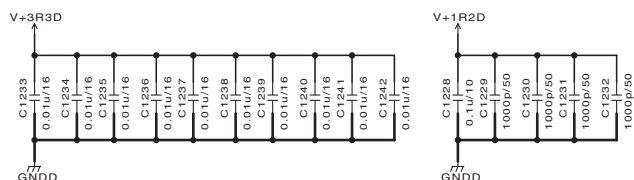
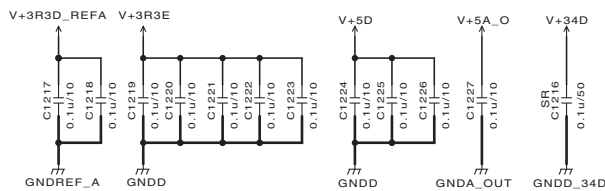
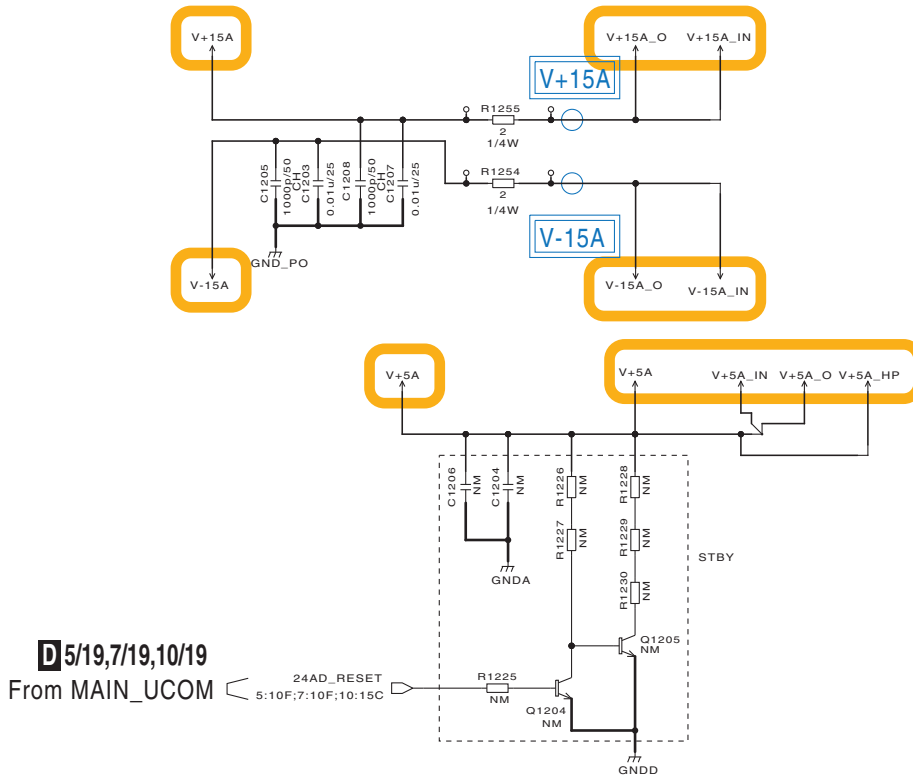
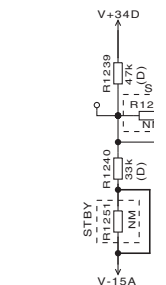
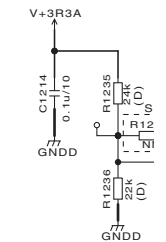
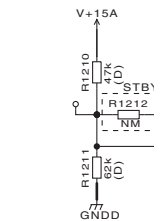
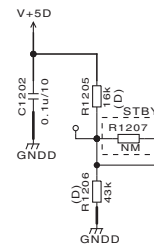
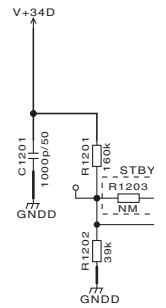
D1/19

10.8 MAIN ASSY (2/19)

POWER IF



Voltage abnormality



D2/19

A

E



□

➤ To MAIN UCOM

F

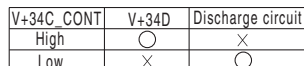
F

 : Voltage measuring point
 : Waveform measuring point

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

D2/19

POWER



D3/19 MAIN ASSY (DWX3430)

D 10/19

1R2D_CON

From MAIN_UCOM

V+1R2D_CONT 10:12K

13V → 1.2V(D)

V+1R2D

1-95

12

V+1R2D

D 10/19

3R3D_CON

From MAIN_UCOM

V+3R3D_CONT 10:12K

13V → 3.3V(D)

V+3R3D

1-94

9

V+3R3D

D 10/19

5D_CON

From MAIN_UCOM

V+5D_CONT 10:12K

13V → 5V(D)

V+5D

V+5D V+5D_LED

NOTES

is STBY		
RS1/16SS****J	Ω	
RS1/16SS****D	Ω	
RS1/10SR****J	Ω	
RS1/10SR****D	Ω	
RS1/8SQ****J	Ω	
RS1/8SQ****F	Ω	
RS1/4SA****J	Ω	
RS1/16SE****D	Ω	
RAB4CQ****J	Ω	
CKSSYB****K	F	
CKSRYB****K	F	
CKSQYB****K	F	
CCSSCH****J	F	
CCSSCH****D	F	
CCSRCH****J	F	
CCSQCH****J	F	
CFHXSQ****J	F	
CEVW****M	F	
CEVWNP****M	F	
CEHVW****M	F	
CEHVAW****M	F	
CEANP****M	F	

□ : Voltage measuring point
○ : Waveform measuring point

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.

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

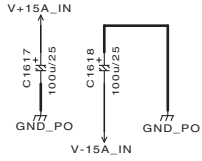
10.10 MAIN ASSY (4/19)

CH1 ADC

D1/19

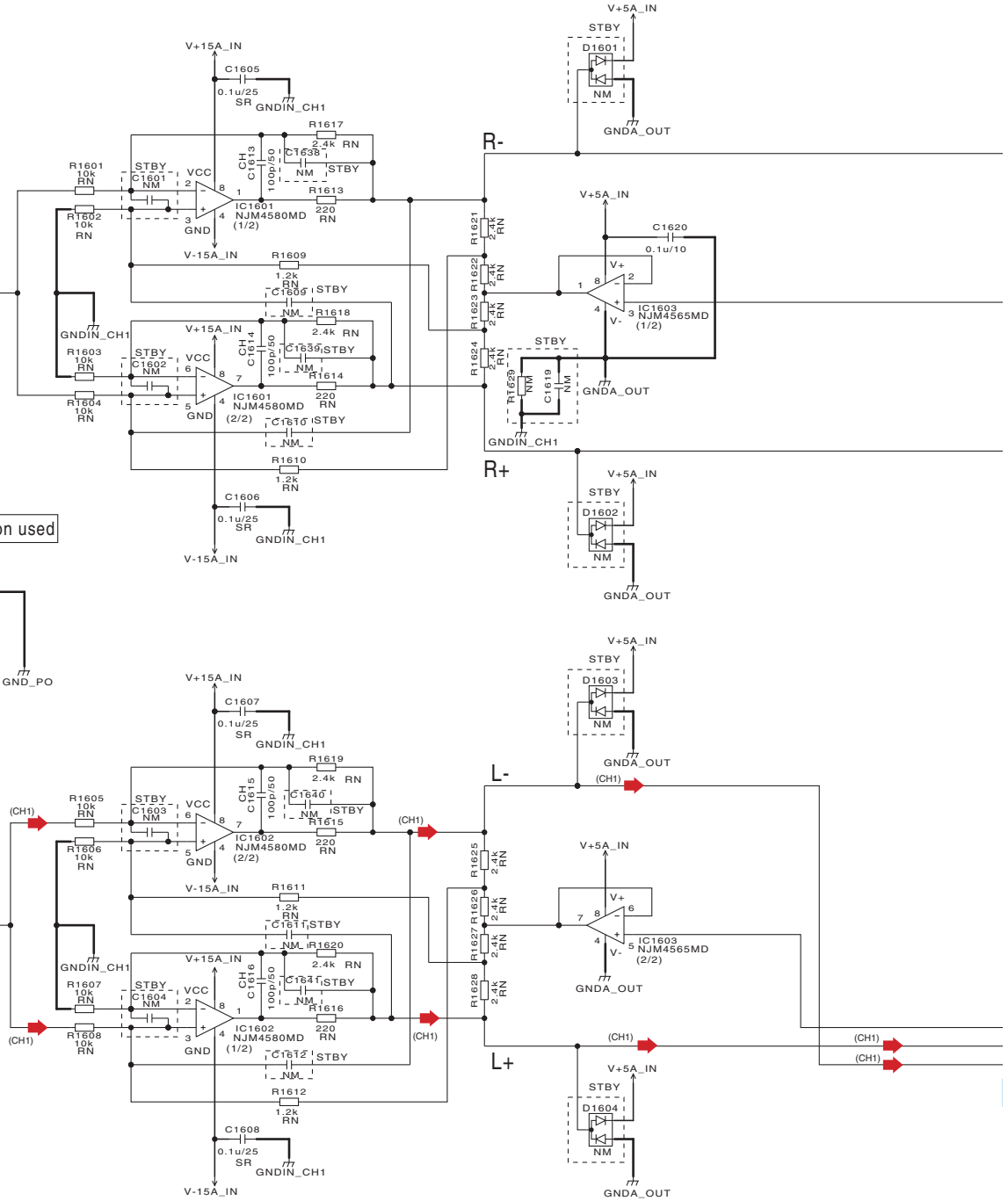
To BOARD_IF CH1_R 1:7H

CH1, CH3 common used

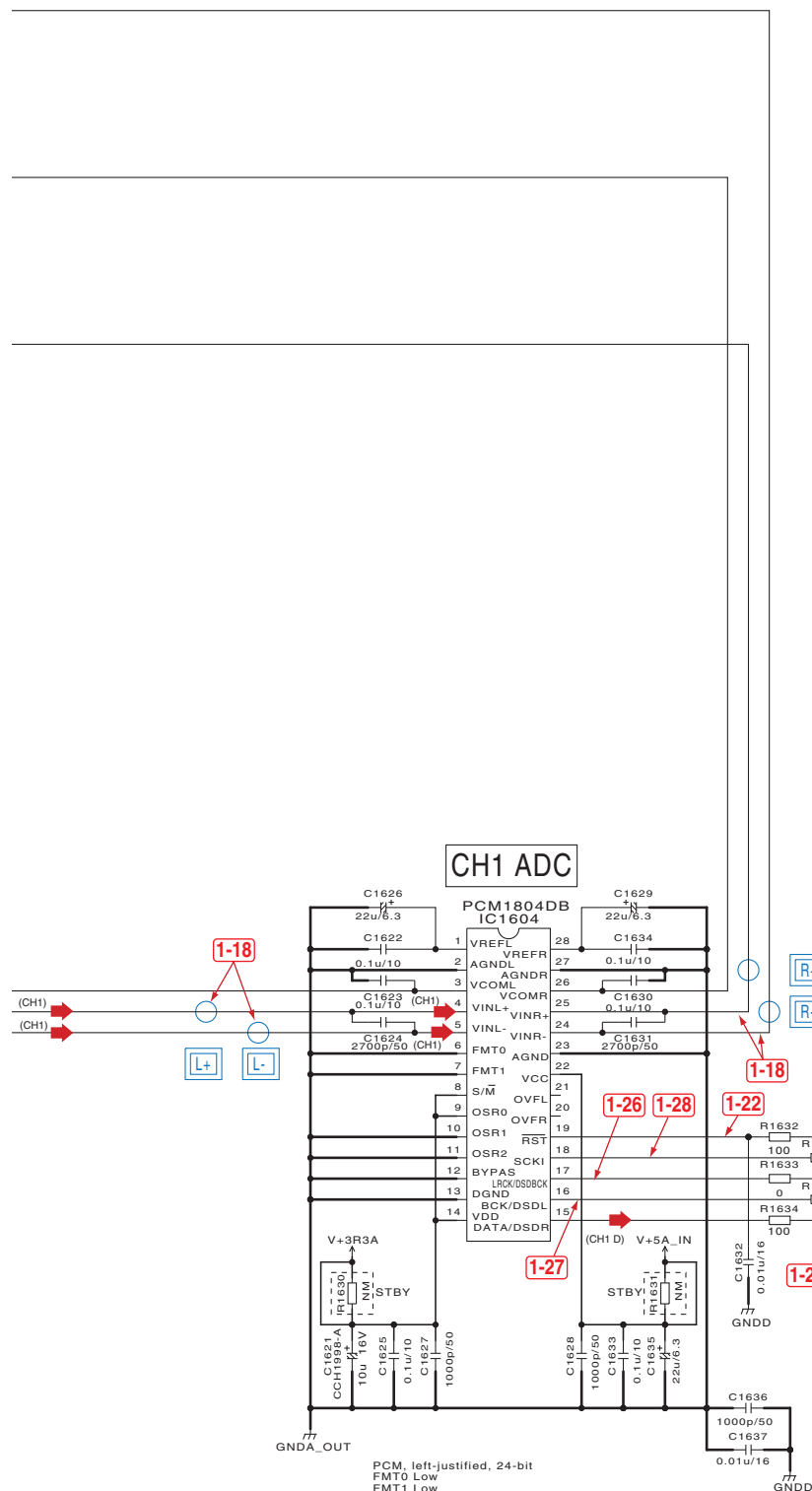


D1/19

To BOARD_IF CH1_L 1:7H



D4/19



- (CH1) ➡ : CH1 Audio Signal (L CH)
- (CH1 D) ➡ : CH1 Digital Signal
- : Voltage measuring point
- : Waveform measuring point

NOTES

NM1	is STBY	
RS1/16SS****J	Ω	
(D) RS1/16SS****D	Ω	
SR RS1/10SR****J	Ω	
SR (D) RS1/10SR****D	Ω	
1/8W RS1/8SQ****J	Ω	
1/8W (F) RS1/8SQ****F	Ω	
1/4W RS1/4SA****J	Ω	
RN1/16SE****D	Ω	
RAB4CQ****J	Ω	
CKSSYB****K	F	
SR CKSRYB****K	F	
SQ CKSQYB****K	F	
CH CCSCH****J	F	
CH (D) CCSCH****D	F	
SRCH CCSRCH****J	F	
SQCH CCSQCH****J	F	
CFHXSQ****J	F	
CEVW****M	F	
NP CEVWNP****M	F	
HVW CEHVW****M	F	
HVAW CEHVAW****M	F	
CEANP****M	F	

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

PCM, left-justified, 24-bit
FMT0 Low
FMT1 Low

Dual rate (× 64 fs slavemode
OSR0 High
OSR1 Low
OSR2 Low

From MAIN_UCOM D 6/19,10/19
From FPGA D 6/19,11/19
To DSP D 13/19

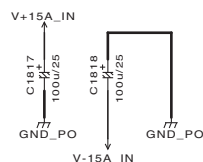
10.11 MAIN ASSY (5/19)

CH2 ADC

D 1/19

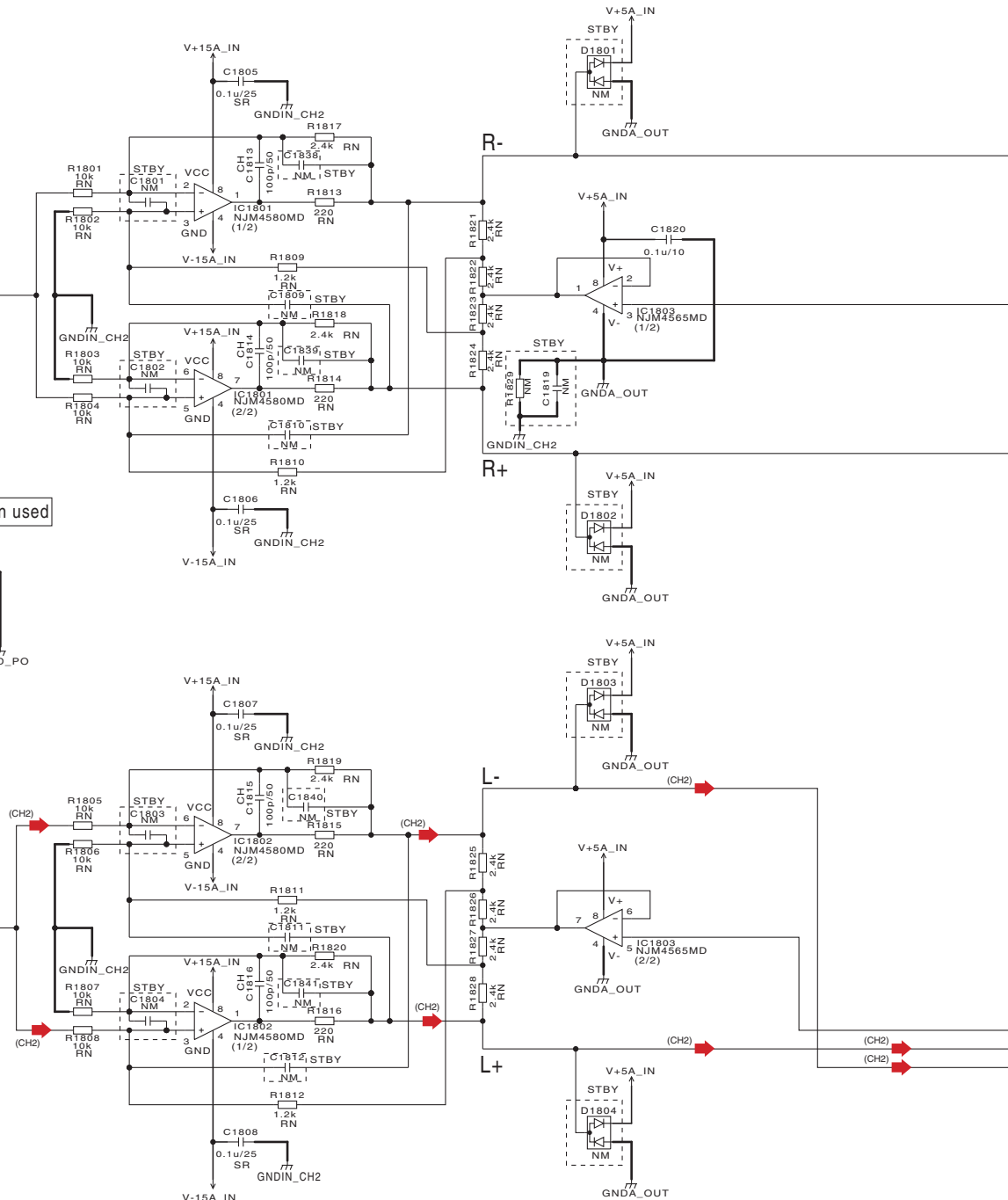
To BOARD_IF CH2_R 1:7H

CH2, CH4 common used

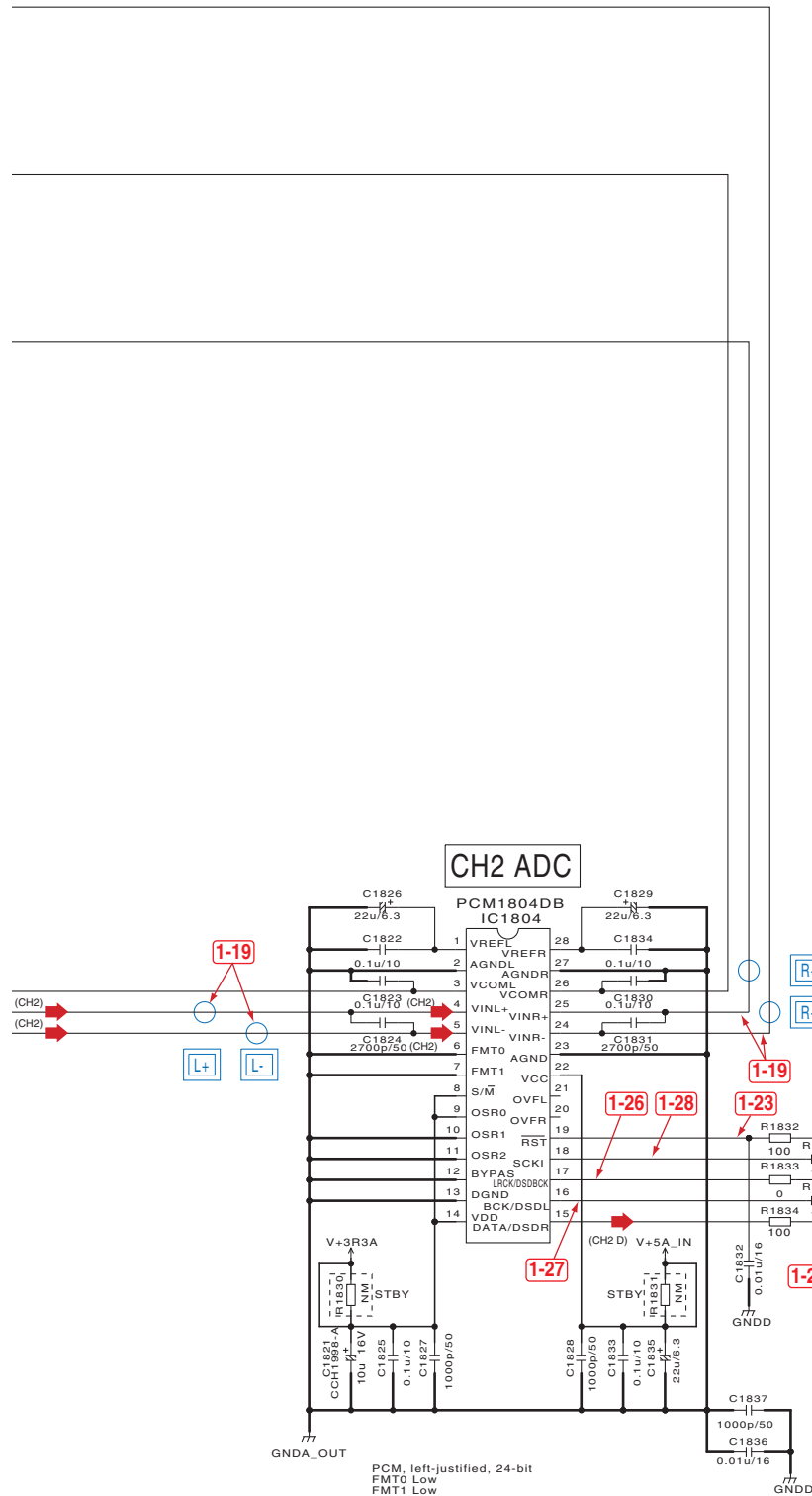


D 1/19

To BOARD_IF CH2_L 1:7H



D 5/19



NOTES

NM	is STBY	
RS1/16SS***J		Ω
RS1/16SS***D		Ω
SR	RS1/10SR***J	Ω
SR (D)	RS1/10SR***D	Ω
1/8W	RS1/8SQ***J	Ω
1/8W (F)	RS1/8SQ***F	Ω
1/4W	RS1/4SA***J	Ω
RN	RN1/16SE***D	Ω
RAB4CQ***J		Ω
CKSSYB***K		F
CKSRYB***K		F
CKSQYB***K		F
CCSSCH***J		F
CCSSCH***D		F
CCSRCH***J		F
CCSQCH***J		F
CFHXSQ***J		F
CEVW***M		F
CEVWNP***M		F
CEHVW***M		F
CEHVAW***M		F
CEANP***M		F

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

D2/19,7/19,10/19

From MAIN_UCOM

From FPGA D7/19,11/19

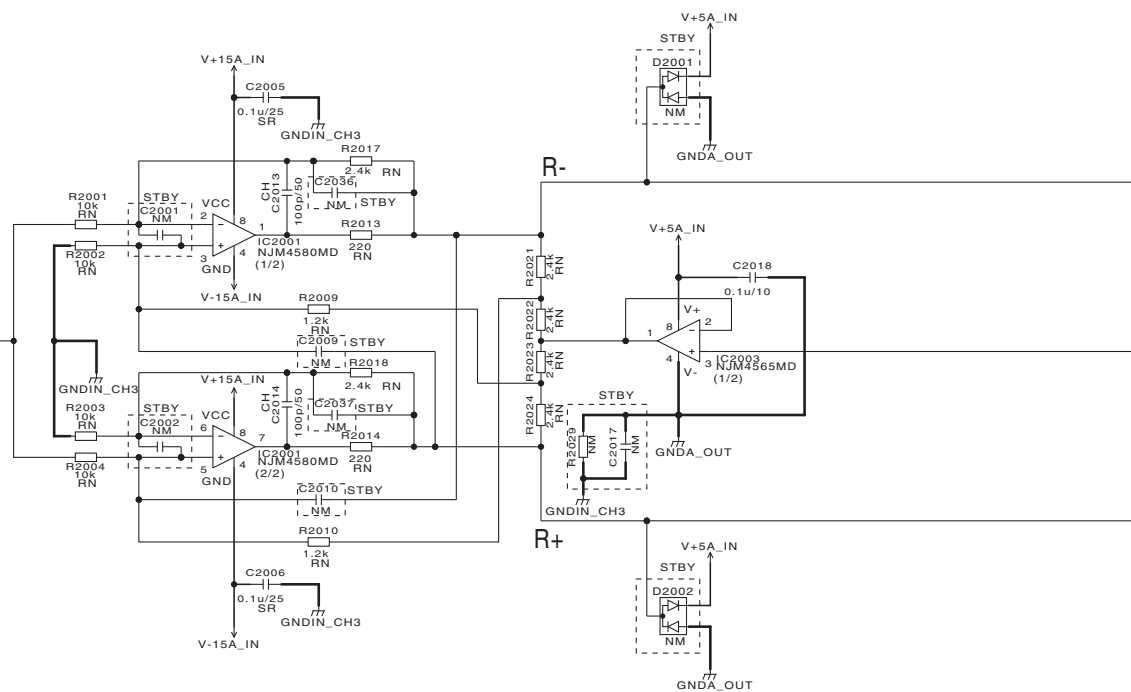
To DSP D13/19

10.12 MAIN ASSY (6/19)

CH3 ADC

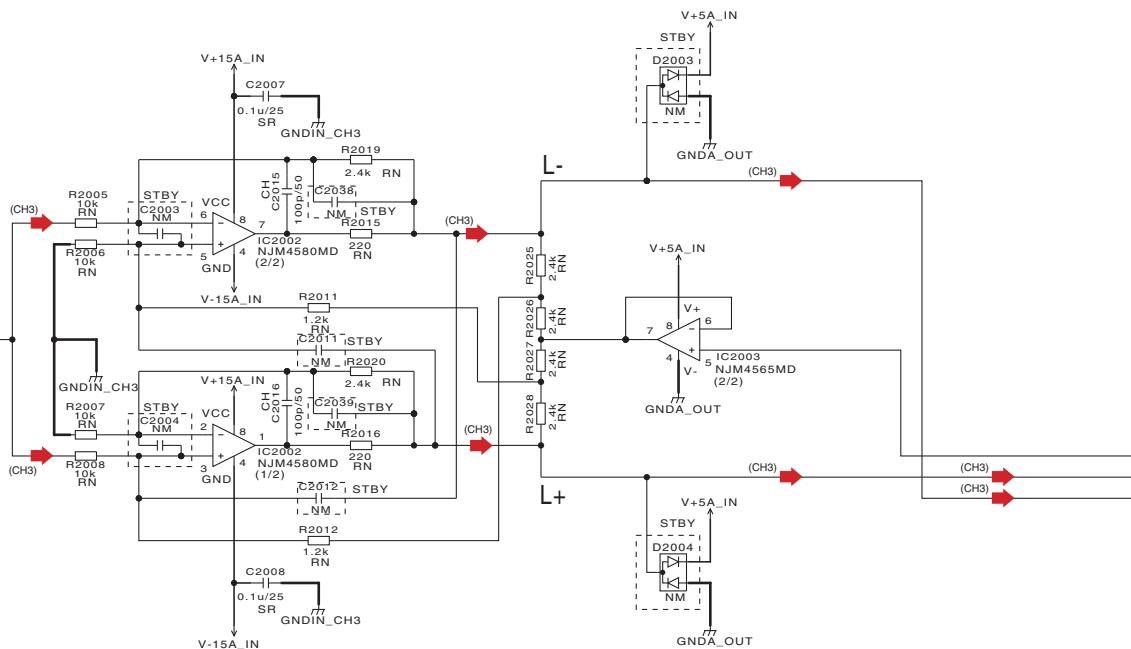
D 1/19

To BOARD_IF CH3_R 1:7G

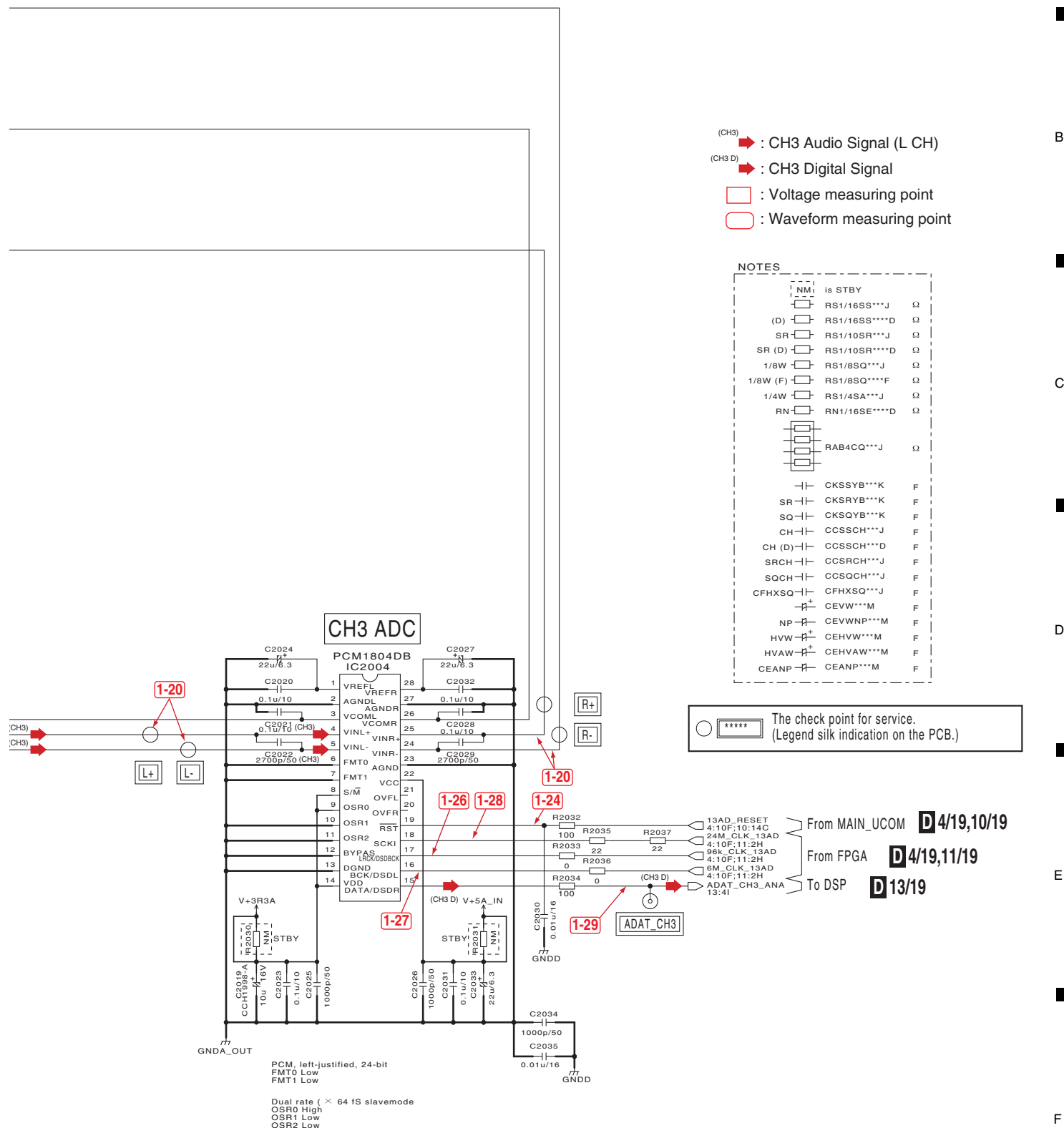


D 1/19

To BOARD_IF CH3_L 1:7H



D 6/19



10.13 MAIN ASSY (7/19)

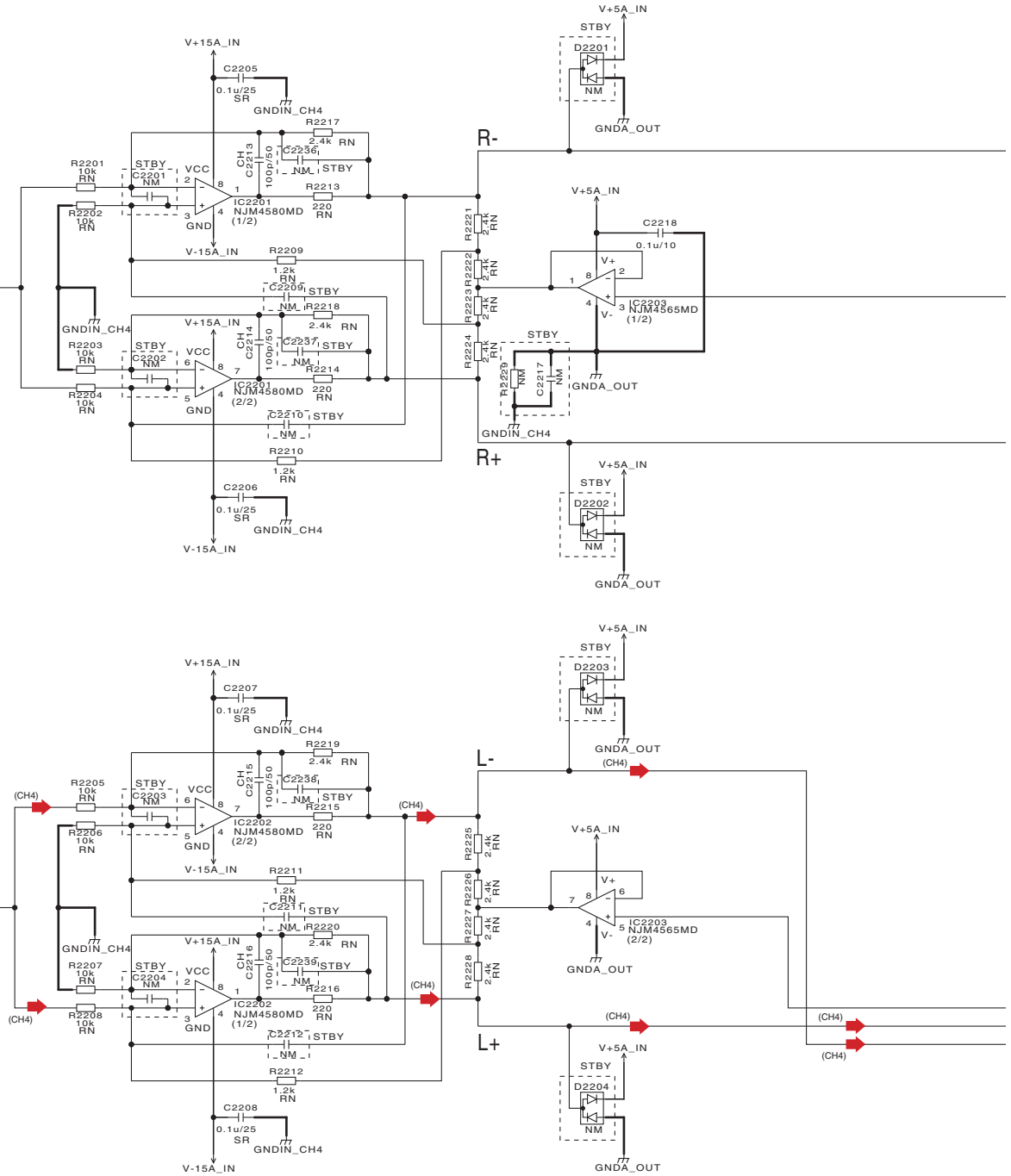
CH4 ADC

D 1/19

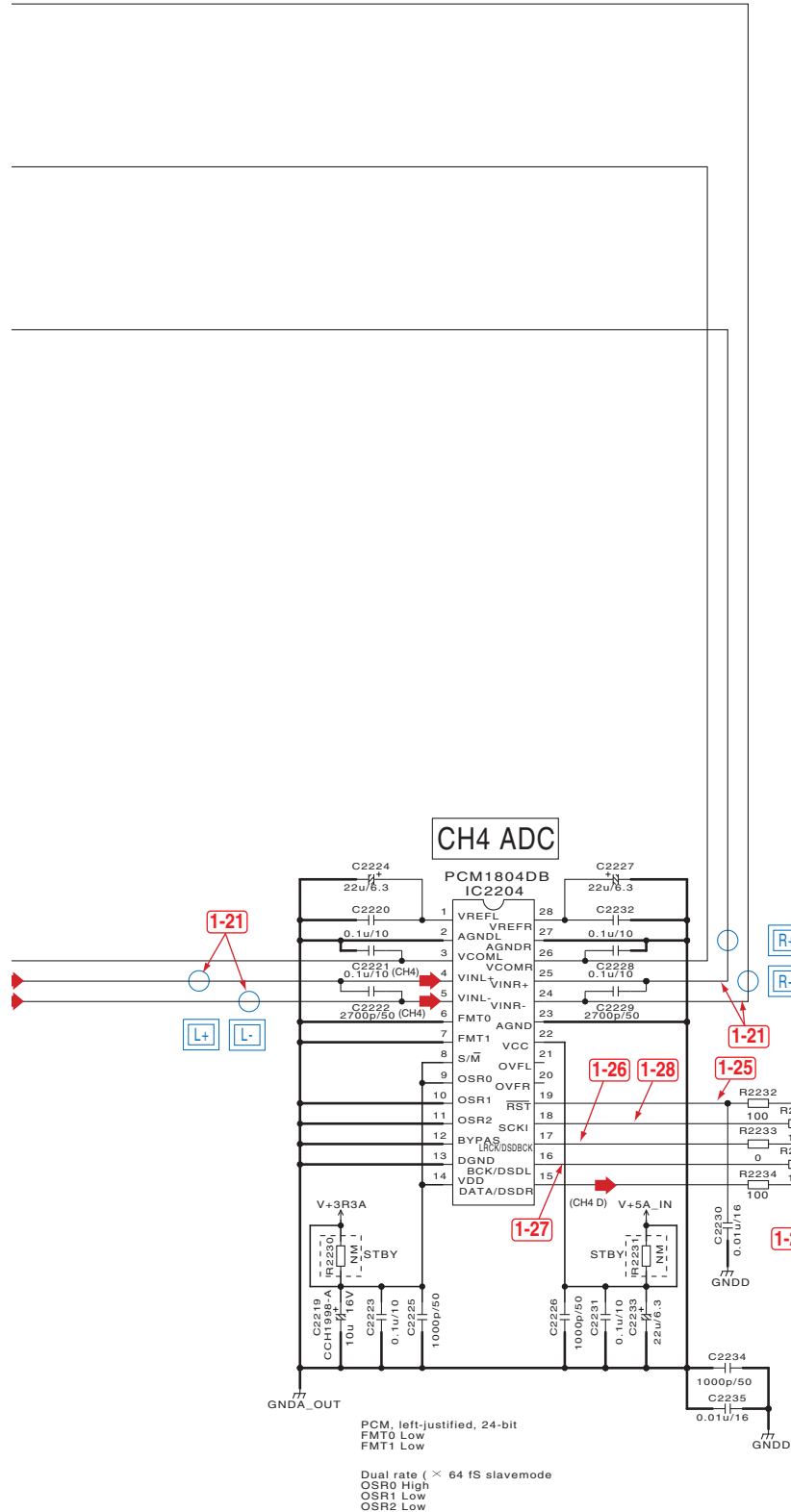
To BOARD_IF CH4_R 1:7G

D 1/19

To BOARD_IF CH4_L 1:7G



D 7/19



(CH4) → : CH4 Audio Signal (L CH)
(CH4 D) → : CH4 Digital Signal
□ : Voltage measuring point
○ : Waveform measuring point

NOTES

is STBY		
RS1/16SS***J	Ω	
RS1/16SS***D	Ω	
SR	Ω	
SR (D)	Ω	
1/8W	Ω	
1/8W (F)	Ω	
1/4W	Ω	
RN1/16SE***D	Ω	
RAB4CQ***J	Ω	
CKSSYB***K	F	
CKSRYB***K	F	
CKSQYB***K	F	
CCSSCH***J	F	
CH (D)	F	
SRCH	F	
CCSRCH***J	F	
SQCH	F	
CCSQCH***J	F	
CFHXSQ	F	
CEVW***M	F	
NP	F	
CEVWNP***M	F	
HVW	F	
CEHVW***M	F	
HVAW	F	
CEHVAW***M	F	
CEANP	F	

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

D2/19,5/19,10/19

From MAIN_UCOM

From FPGA D5/19,11/19

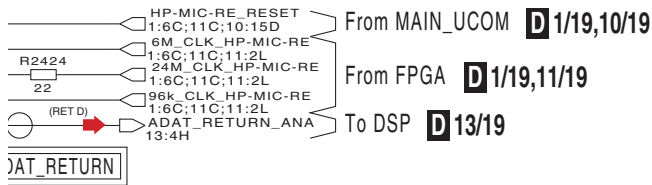
To DSP D13/19

A



D8/19 MAIN ASSY (DWX3430)

A



B

- (RET A) : RETURN Audio Signal (L CH)
(RET D) : RETURN Digital Signal
(MIC A) : MIC1 Audio Signal
(MIC D) : MIC Digital Signal

C

- : Voltage measuring point
 : Waveform measuring point

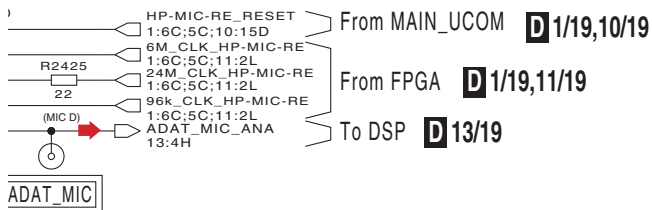
NOTES

	is STBY	
	RS1/16SS***J	Ω
(D)	RS1/16SS***D	Ω
SR	RS1/10SR***J	Ω
SR (D)	RS1/10SR***D	Ω
1/8W	RS1/8SQ***J	Ω
1/8W (F)	RS1/8SQ***F	Ω
1/4W	RS1/4SA***J	Ω
RN	RN1/16SE***D	Ω
	RAB4CQ***J	Ω
	CKSSYB***K	F
SR	CKSRYB***K	F
SQ	CKSQYB***K	F
CH	CCSSCH***J	F
CH (D)	CCSSCH***D	F
SRCH	CCSRCH***J	F
SQCH	CCSQCH***J	F
CFHXSQ	CFHXSQ***J	F
	CEVW***M	F
NP	CEVWNP***M	F
HVW	CEHVW***M	F
HVAW	CEHVAW***M	F
CEANP	CEANP***M	F

D

E

F



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

F

A



- ## NOTES
- | | | |
|---|--------------|---|
|  | is STBY | Q |
| (D) | RS1/16SS***J | Q |
| (D) | RS1/16SS***D | Q |
| SR (D) | RS1/16SS***J | Q |
| (D) | RS1/16SS***D | Q |
| 1/8W | RS1/8SO***J | Q |
| 1/8W (F) | RS1/8SO***F | Q |
| 1/4W | RS1/4SA***J | Q |
| RN | RN1/16SE***D | Q |
|  | RAB4CQ***J | Q |
|  | CK35VB***K | F |
| SR† | CK30VB***K | F |
| SQ† | CK30VB***K | F |
| CH† | CC8SCH***J | F |
| CH (D) | CC8SCH***J | F |
| SRCH | CC8SCH***J | F |
| SQCH | CC8SCH***J | F |
| CFHXSQ | CFHXSQ***J | F |
| NP† | CEVW***M | F |
| HW† | CEVWNP***M | F |
| HW† | CEVHW***M | F |
| CEANP | CEHWAV***M | F |

10.16 MAIN ASSY (10/19)

MAIN_UCOM

D 1/19

From BOARD_IF < EFX_ON/OFF 1:4B

D 11/19

From To FPGA

DSP_USB_WP
11:13J
DSP_USB_CS
11:13J
DSP_USB_SO
11:13J
DSP_USB_SI
11:13J
DSP_USB_CLK
11:13K

D 1/19

From BOARD_IF < RETURN_IN 1:7G

MAIN_CPU_RESET_2
MAIN_CPU_RESET
RESET_OUT

D 11/19

From FPGA

FPGA_XINIT
11:13K
FPGA_DONE
11:13K;15:7B

D 1/19

From BOARD_IF < POWER_RESET_A 1:9B

D 2/19

To POWER_IF < RELAY_COUNT 2:3B

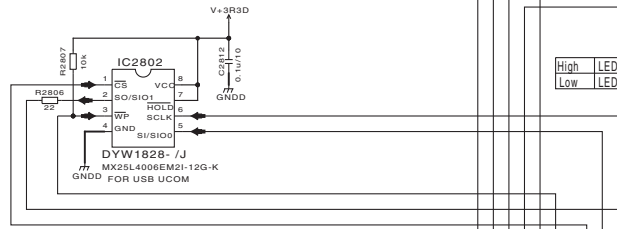
D 15/19

To OUTPUT IF < CPU_MUTE 15:2F

D 10/19

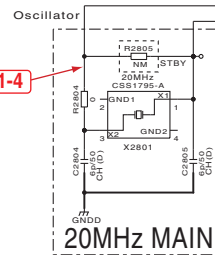
120

DJM-750-K



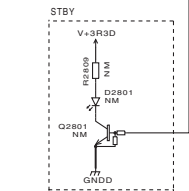
D 16/19
To MASTER1

ATT_SEL_3dB	HI	LOW	HI	LOW
ATT_SEL_6dB	(LOW)	(LOW)	(LOW)	(LOW)
ATT_SEL_6dB	(LOW)	(LOW)	(LOW)	(LOW)
Master1 & 2	0dB	-3dB	-6dB	No USE
Output Level	X1.00	X0.71	X0.50	



1-4pin INPUT SELECT SIGNAL
(open drain output)

LINE_SEL*	INPUT
LOW	CH1/CH4 PHONO CH2/CH3 LINE
HI	CH1-4 CD/LINE



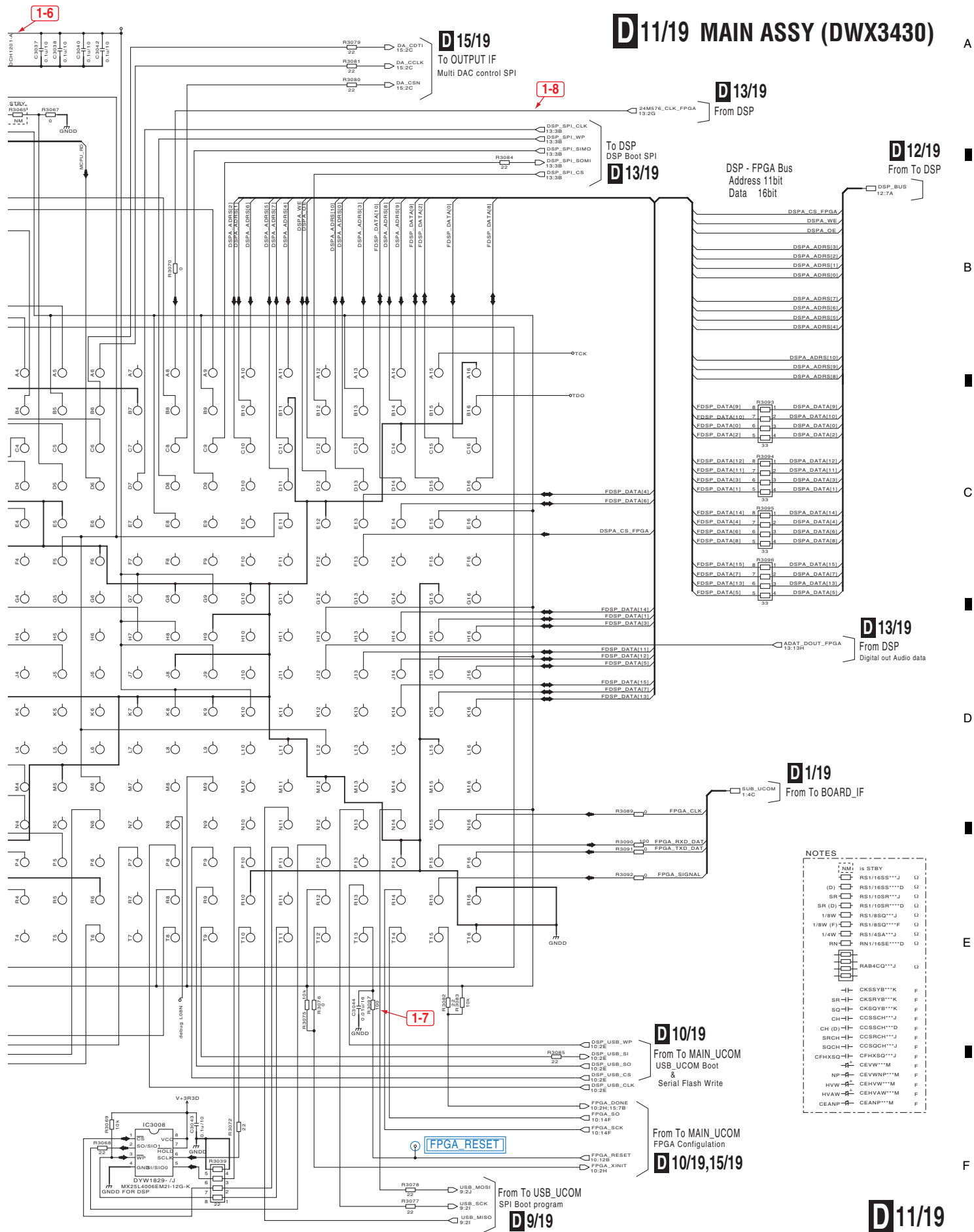


F

FPGA



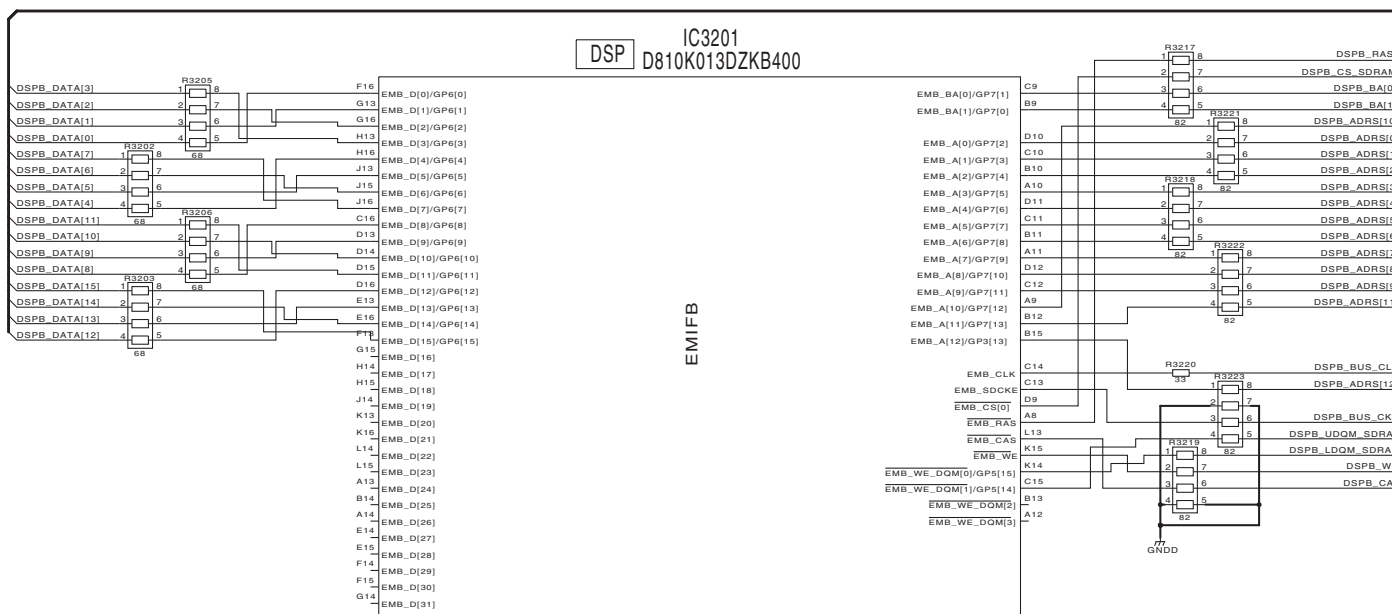
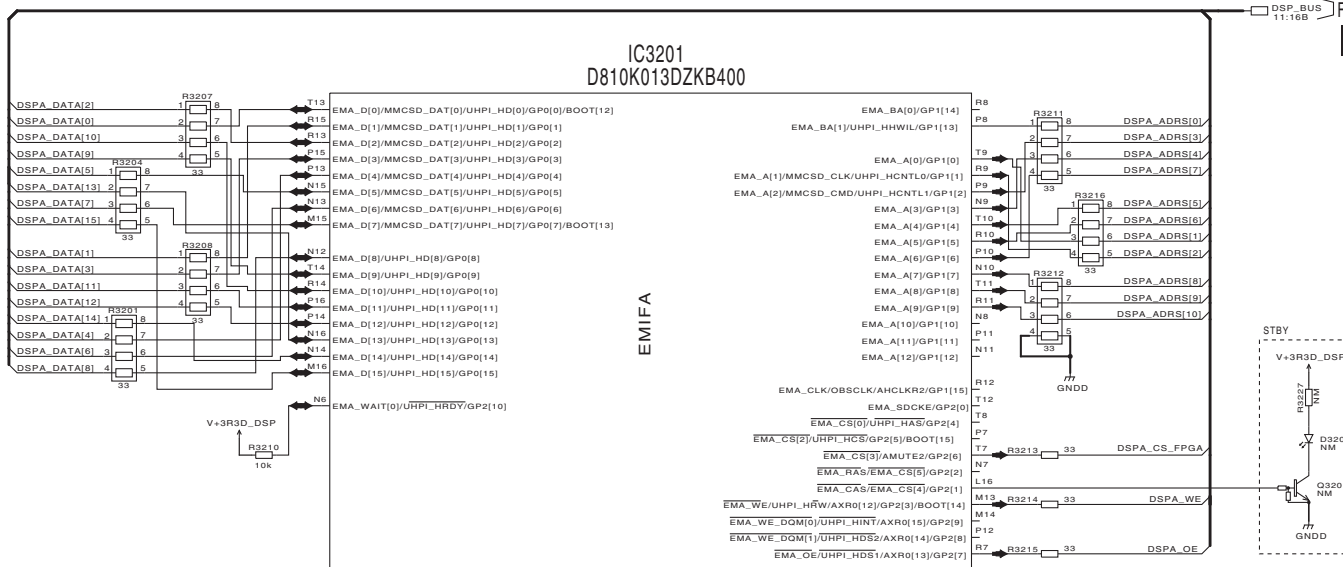
D11/19 MAIN ASSY (DWX3430)



10.18 MAIN ASSY (12/19)

DSP_1

DSP



NOTES

1. NM	is STBY	Q
(D)	RS1/16SS***J	Q
SR	RS1/16SS***D	Q
SR (D)	RS1/10SR***J	Q
1/8W	RS1/10SR***D	Q
1/8W (F)	RS1/8SQ***J	Q
1/4W	RS1/8SQ***F	Q
1/4W (F)	RS1/4SA***J	Q
RN	RN1/16SE***D	Q
	RAB4CQ***J	Q
SR	CKSVB***K	F
SQ	CKSRVB***K	F
CH	CKSVB***K	F
CH (D)	CCSSCH***D	F
SRCH	CCSSCH***J	F
SQCH	CCSQCH***J	F
CFHXSQ	CFHXSQ***J	F
CEVW	CEVW***M	F
NP	CEVWNP***M	F
HVW	CEHVW***M	F
HVAW	CEHVAW***M	F
CEANP	CEANP***M	F

□ : Voltage measuring point
○ : Waveform measuring point

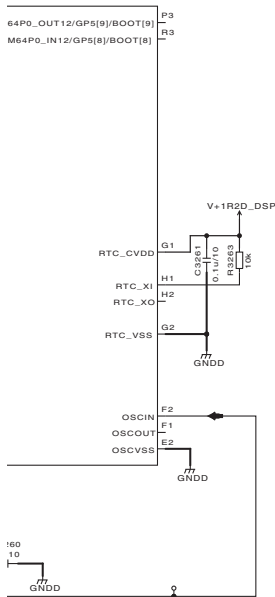
A



DSP_2



D13/19 MAIN ASSY (DWX3430)

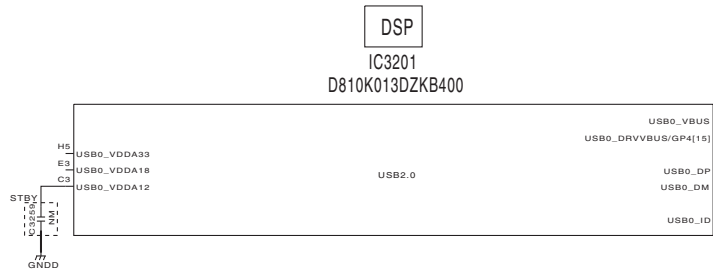


□ : Voltage measuring point
○ : Waveform measuring point

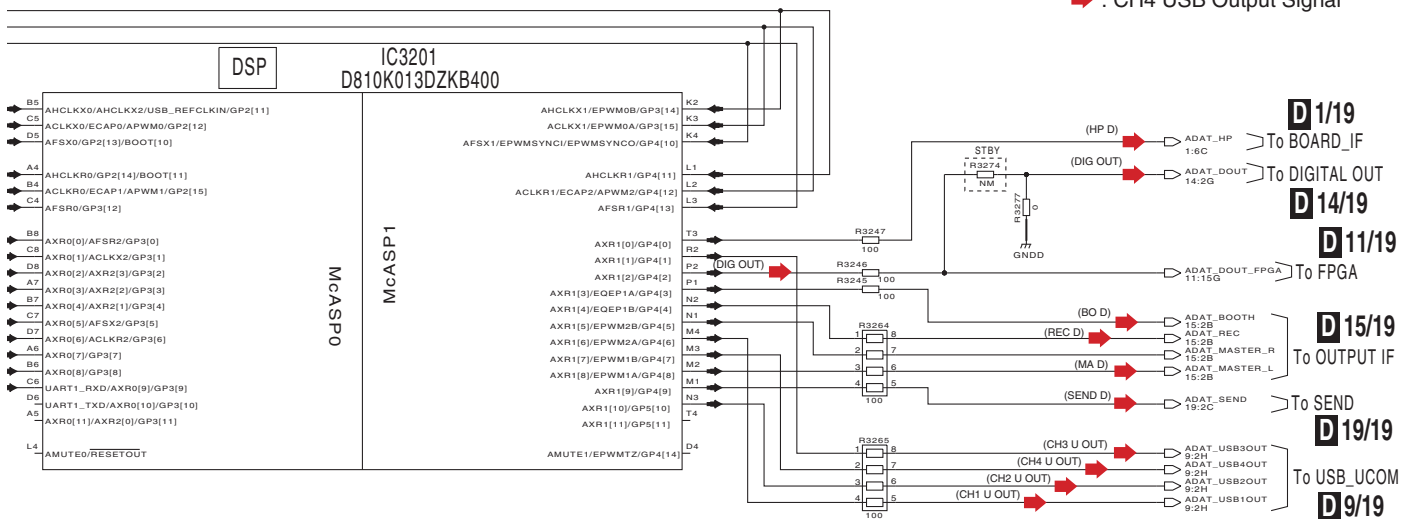
NOTES

NM	is STBY	
RS1/16SS****J		
(D) RS1/16SS****D		
SR RS1/10SR****J		
SR (D) RS1/10SR****D		
1/8W RS1/8SQ****J		
1/8W (F) RS1/8SQ****F		
1/4W RS1/4SA****J		
RN RS1/16SE****D		
RAB4CQ****J		
CKSSYB****K	F	
CKSRYB****K	F	
CKSOYB****K	F	
CCSSCH****J	F	
CH (D) CCSSCH****D	F	
CCSRCH****J	F	
CCSCH****J	F	
CFHXSO****J	F	
CEVW****M	F	
CEVWNP****M	F	
CEHVW****M	F	
CEHVAW****M	F	
CEANP****M	F	

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

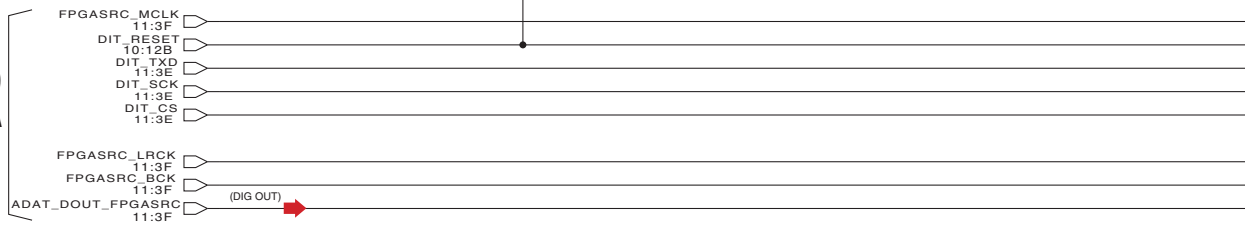


- (HP D) : HP OUT Digital Signal
- (MA D) : MASTER OUT Digital Signal
- (BO D) : BOOTH OUT Digital Signal
- (SEND D) : SEND OUT Digital Signal
- (REC D) : REC OUT Digital Signal
- (DIG OUT) : DIGITAL OUT Signal
- (CH1 U OUT) : CH1 USB Output Signal
- (CH2 U OUT) : CH2 USB Output Signal
- (CH3 U OUT) : CH3 USB Output Signal
- (CH4 U OUT) : CH4 USB Output Signal

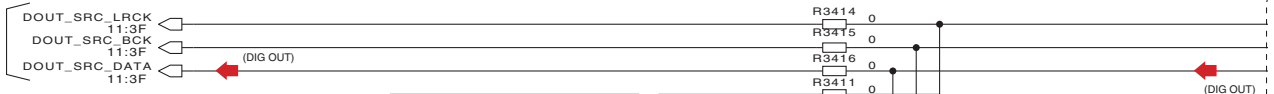


4

A



B



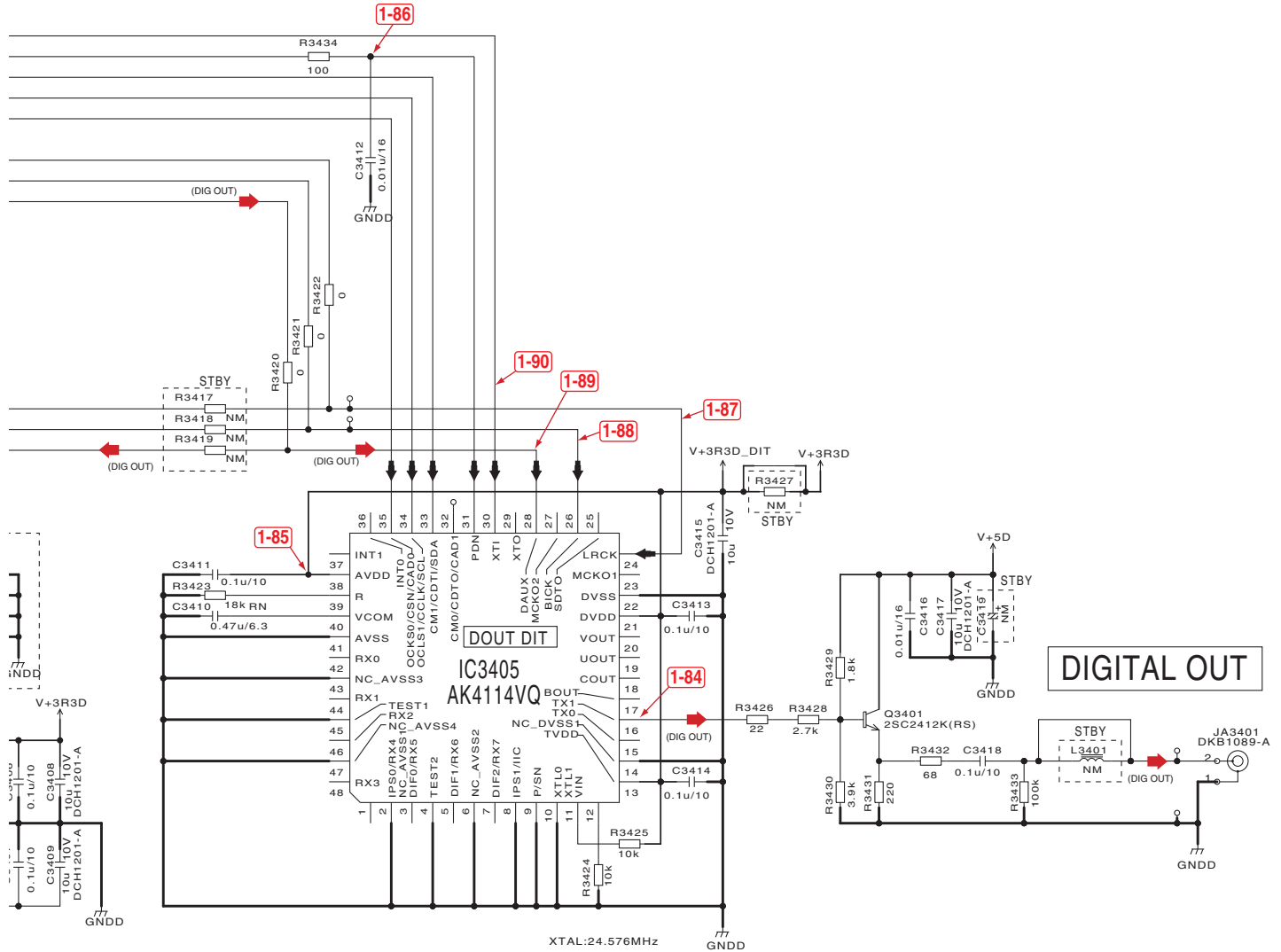
C



E

F

128

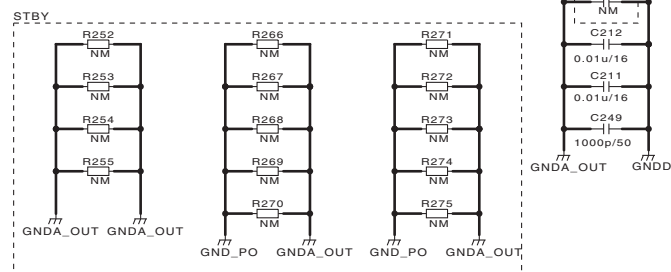
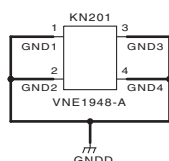
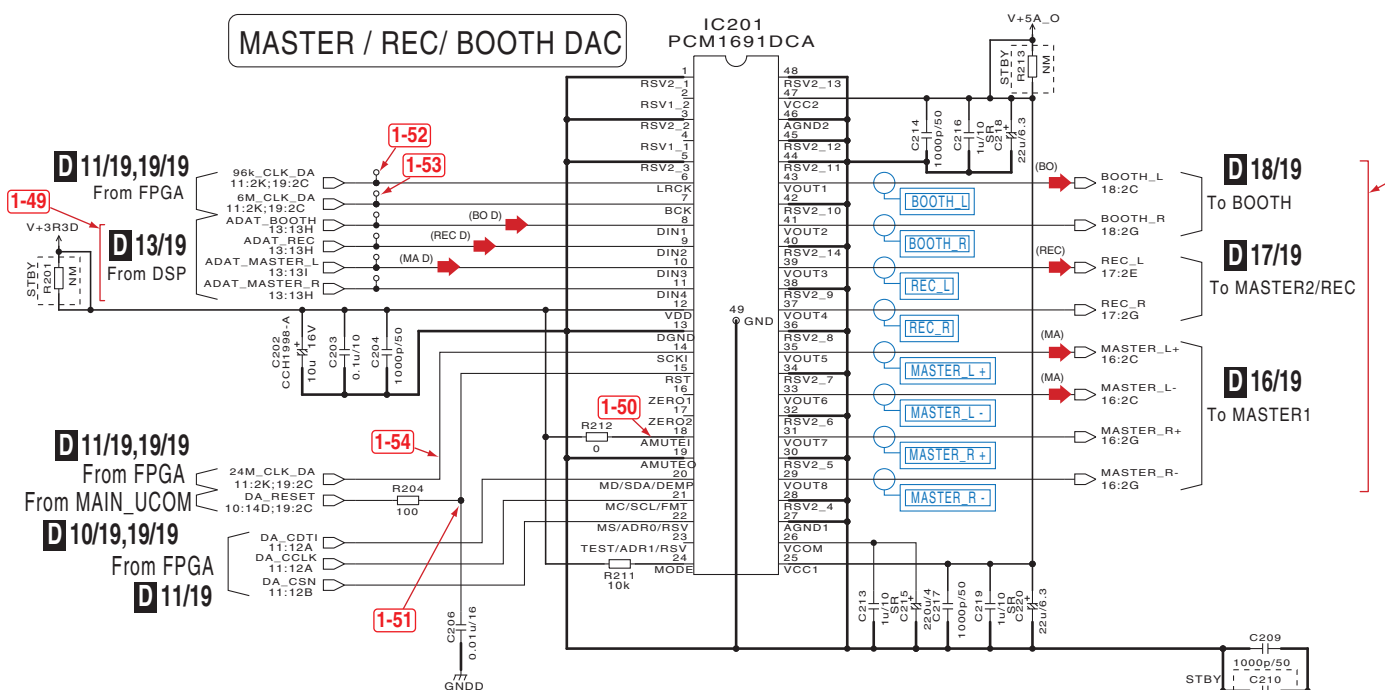


OUTPUT IF

TEST	MODE	FORMAT	MCLK	SCLK	LRCK
OPEN	SPI I2S	I2S Left-Justified 32bits	256fs 24.576MHz	64fs 6.144MHz	96kHz

MASTER / REC/ BOOTH DAC

IC201
PCM1691DCA



MUTE

D 10/19

From MAIN UCOM

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)

MASTER VR MUTE

From BOARD IF

D 1/19

D 15/19

130

DJM-750-K

CONTROL

D15/19 MAIN ASSY (DWX3430)

D18/19

To BOOTH

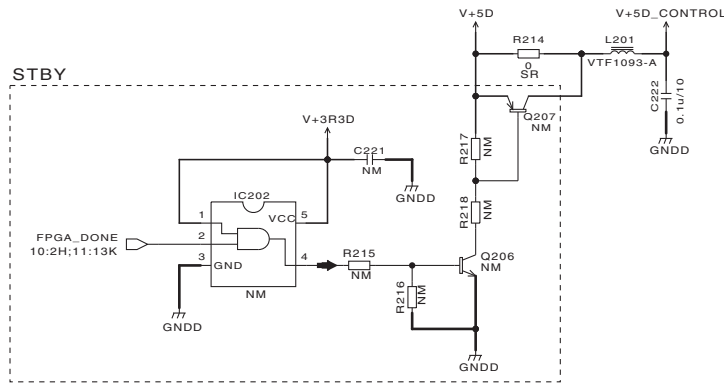
D17/19

To MASTER2/REC

D16/19

To MASTER1

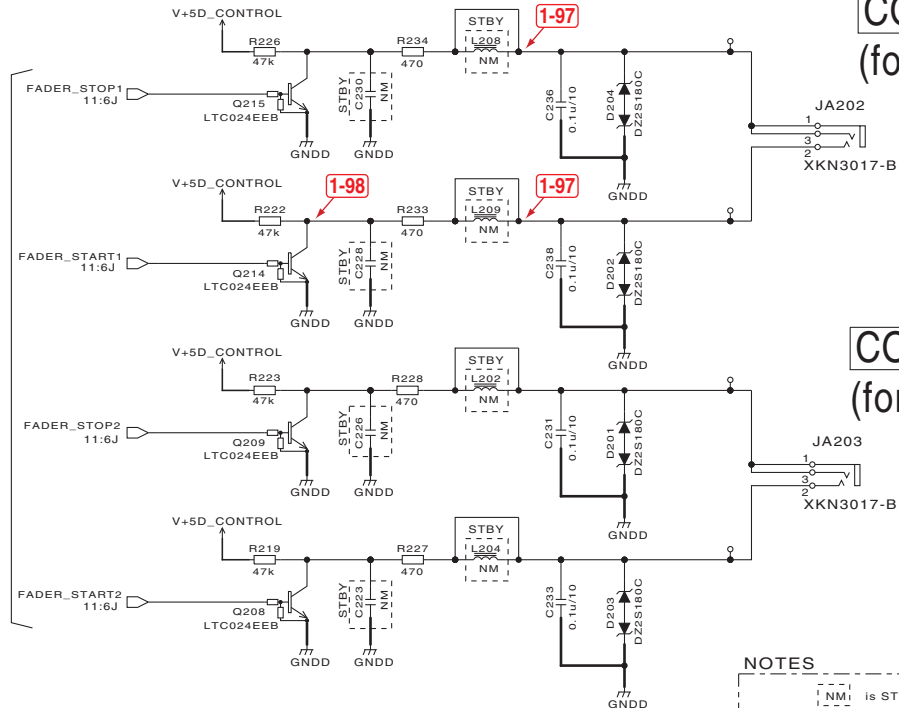
1-48



CONTROL1
(for CH2)

CONTROL2
(for CH3)

D11/19
From FPGA



NOTES

is STBY	
RS1/16SS***J	Ω
(D) RS1/16SS***D	Ω
SR RS1/10SR***J	Ω
SR (D) RS1/10SR***D	Ω
1/8W RS1/8SQ***J	Ω
1/8W (F) RS1/8SQ***F	Ω
1/4W RS1/4SA***J	Ω
RN RN1/16SE***D	Ω
RAB4CQ***J	Ω
CKSSYB***K	F
SR CKSRYB***K	F
SQ CKSQYB***K	F
CH CCSSCH***J	F
CH (D) CCSSCH***D	F
SRCH CCSRCH***J	F
SQCH CCSQCH***J	F
CFHXSQ***J	F
CEVW***M	F
NP CEVWNP***M	F
HVW CEHVW***M	F
HVAW CEHVAW***M	F
CEANP CEANP***M	F

- (MA D) : MASTER OUT Digital Signal
- (BO D) : BOOTH OUT Digital Signal
- (REC D) : REC OUT Digital Signal
- (BO) : BOOTH OUT Signal (L ch)
- (REC) : REC OUT Signal (L ch)
- (MA) : MASTER OUT Signal (L ch)

- : Voltage measuring point
- : Waveform measuring point

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

3,16/19-19/19

To BOARD_IF
MASTER1
MASTER2/REC
BOOTH
SEND

To MASTER1
MASTER2/REC

D16/19

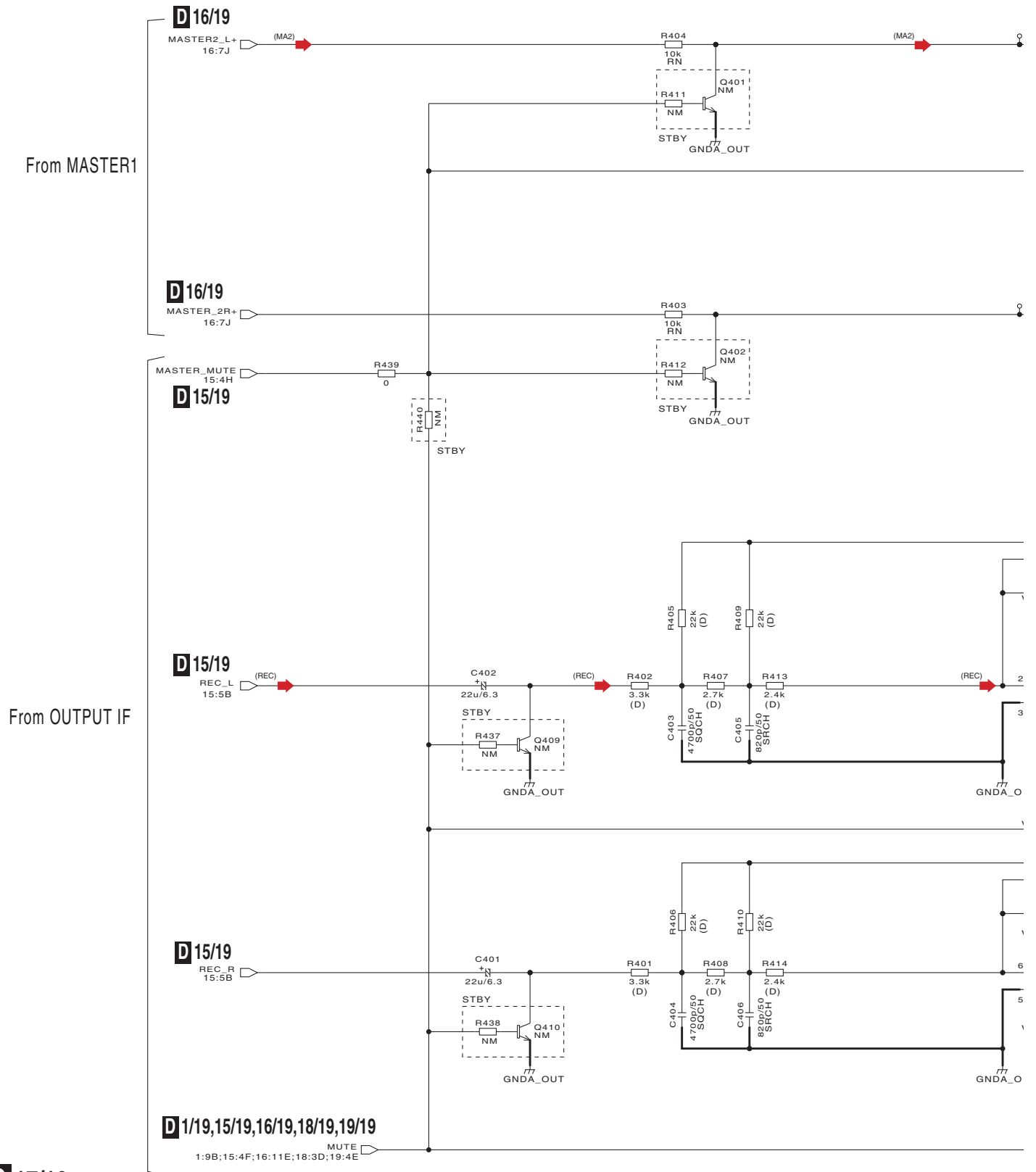
MASTER1



10.23 MAIN ASSY (17/19)

MASTER2,REC

- (MA2) : MASTER2 OUT Signal (L ch)
- (REC) : REC OUT Signal (L ch)
- : Voltage measuring point
- : Waveform measuring point



D17/19

A



D

F

F

10.24 MAIN ASSY (18/19)

BOOTH

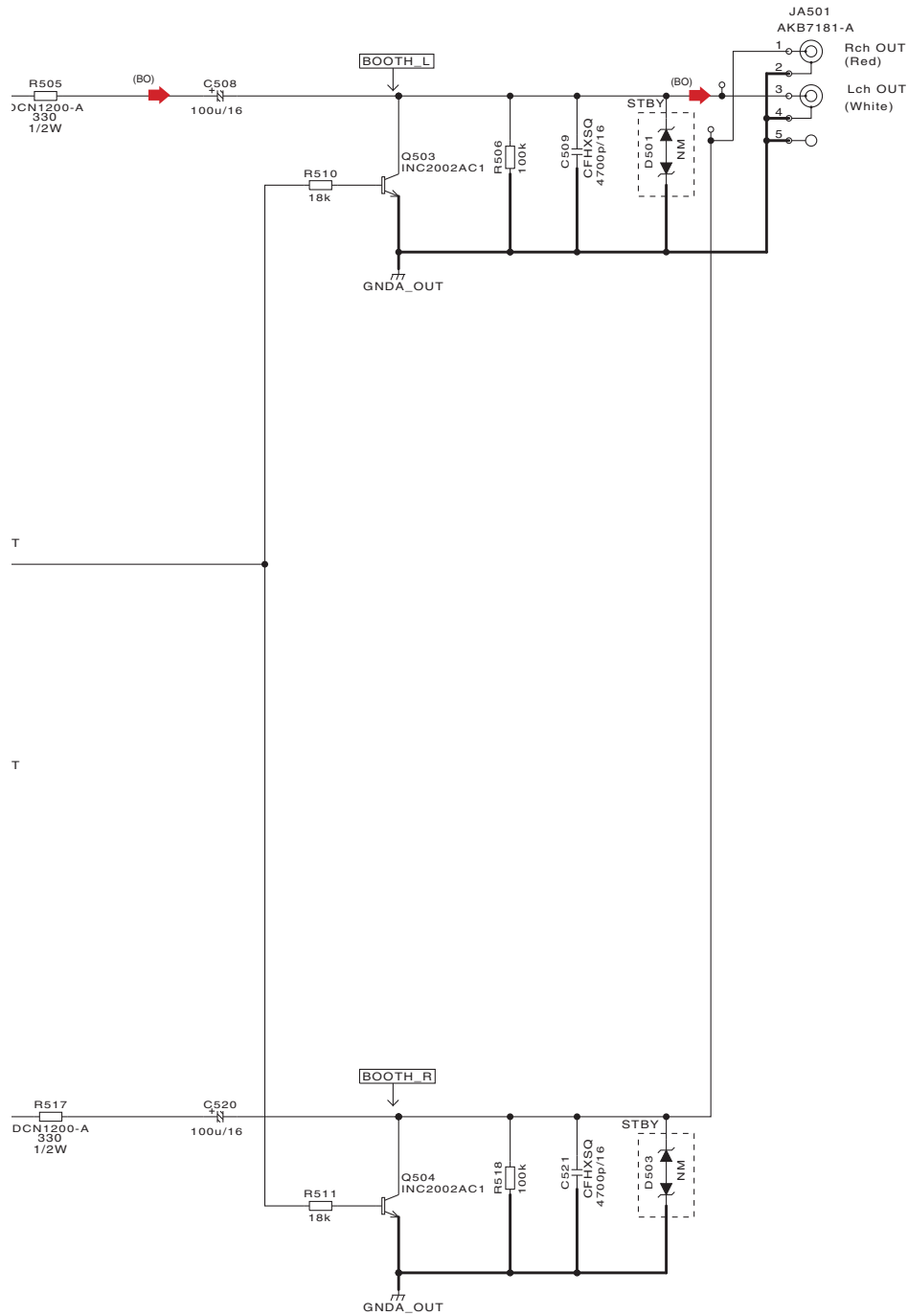
From OUTPUT IF
D 15/19

From OUTPUT IF
D 1/19,15/19-17/19,19/19

D 15/19
From OUTPUT IF

D 18/19

D18/19 MAIN ASSY (DWX3430)



(BO) : BOOTH OUT Signal (L ch)

□ : Voltage measuring point

○ : Waveform measuring point

NOTES

NM1	is STBY	
□	RS1/16SS***J	Ω
(D)	RS1/16SS***D	Ω
SR	RS1/10SR***J	Ω
SR (D)	RS1/10SR***D	Ω
1/8W	RS1/8SQ***J	Ω
1/8W (F)	RS1/8SQ***F	Ω
1/4W	RS1/4SA***J	Ω
RN	RN1/16SE***D	Ω
□	RAB4CQ***J	Ω
□	CKSSYB***K	F
SR	CKSRYB***K	F
SQ	CKSQYB***K	F
CH	CCSSCH***J	F
CH (D)	CCSSCH***D	F
SRCH	CCSRCH***J	F
SQCH	CCSQCH***J	F
CFHXSQ	CFHXSQ***J	F
□	CEVW***M	F
NP	CEVWNP***M	F
HVW	CEHVW***M	F
HVAW	CEHVAW***M	F
CEANP	CEANP***M	F

A

SEND

B

C

D

E

F

D 11/19,15/19

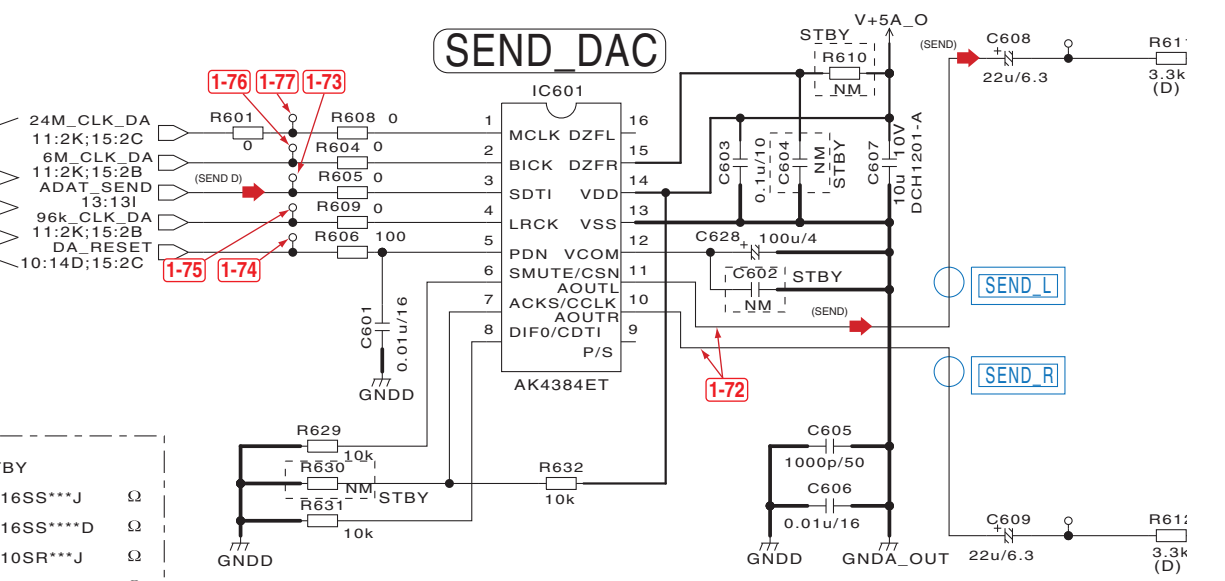
From FPGA

D 13/19 From DSP

From FPGA

From MAIN_UCOM

D 10/19,15/19



NOTES

NM	is STBY	
RS1/16SS***J		Ω
(D) RS1/16SS****D		Ω
SR RS1/10SR***J		Ω
SR (D) RS1/10SR****D		Ω
1/8W RS1/8SQ***J		Ω
1/8W (F) RS1/8SQ****F		Ω
1/4W RS1/4SA***J		Ω
RN RN1/16SE****D		Ω
RAB4CQ***J		Ω
CKSSYB***K		F
SR CKSRYB***K		F
SQ CKSQYB***K		F
CH CCSSCH***J		F
CH (D) CCSSCH****D		F
SRCH CCSRCH***J		F
SQCH CCSQCH***J		F
CFHXSQ CFHXSQ***J		F
CEVW***M		F
NP CEVWNP***M		F
HVW CEHVW***M		F
HVAW CEHVAW***M		F
CEANP CEANP***M		F

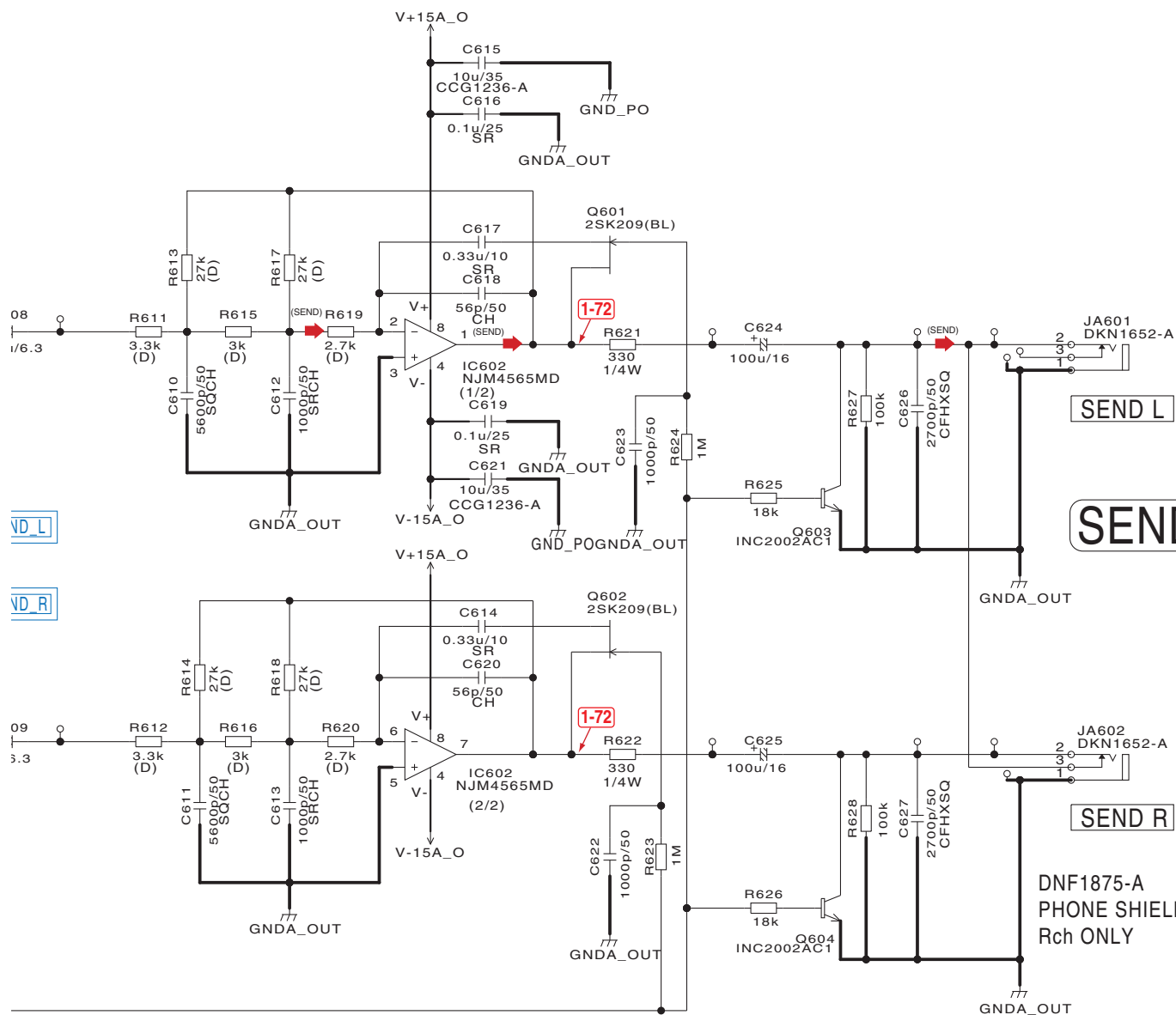
D 1/19,15/19-18/19

From OUTPUT IF

1:9B;15:4F;16:11E;17:3G;18:3D

MUTE

D 19/19



(SEND D) ➡ : SEND OUT Digital Signal

(SEND) ➡ : SEND OUT Signal (L ch)

□ : Voltage measuring point

○ : Waveform measuring point

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

10.26 SEC/HP ASSY (1/2)

SECONDARY

POWER

CN1
B13B-EH

P CN3101

KN1
AKF7002-A
GND_F

POW

V+5

GND_A_UNREG

V+5A_UNREG

V+13D_UNREG

V+HP_UNREG

V-HP_UNREG

GNDD is not connected to the chassis in this substrate.
(GNDD is connected via the MAIN board.)

Note

CF

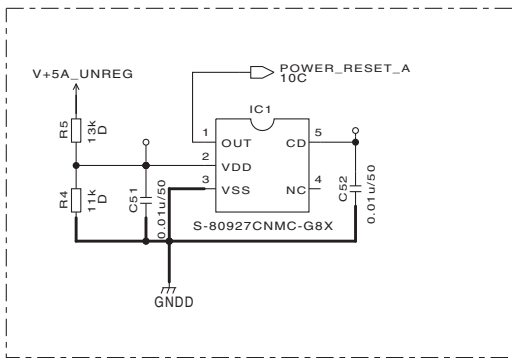
E 1/2

140

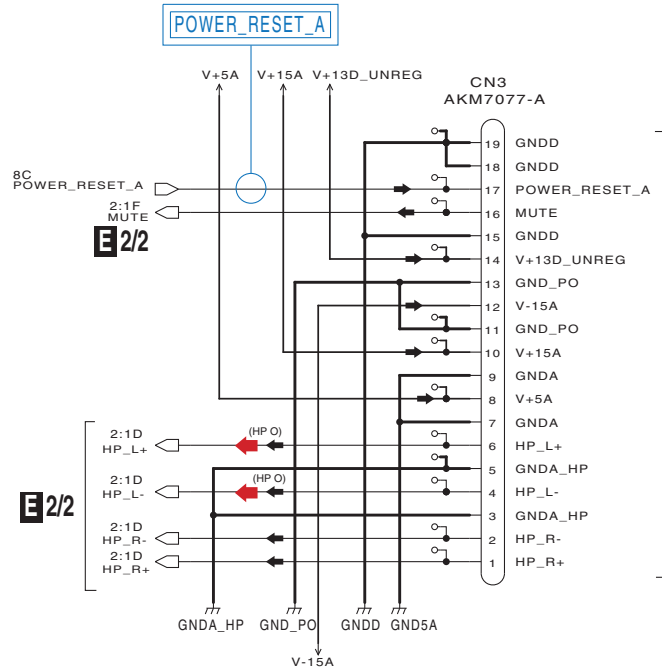
DJM-750-K

E1/2 SEC/HP ASSY (DWR1529)

POWER DOWN



EG

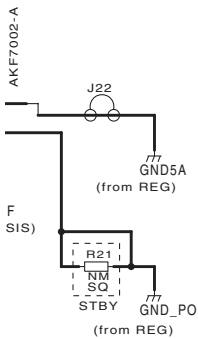


D1/19 CN1005

E2/2

E2/2

(HP O) : HP OUT Signal (L ch)

to the chassis
(the MAIN board.)

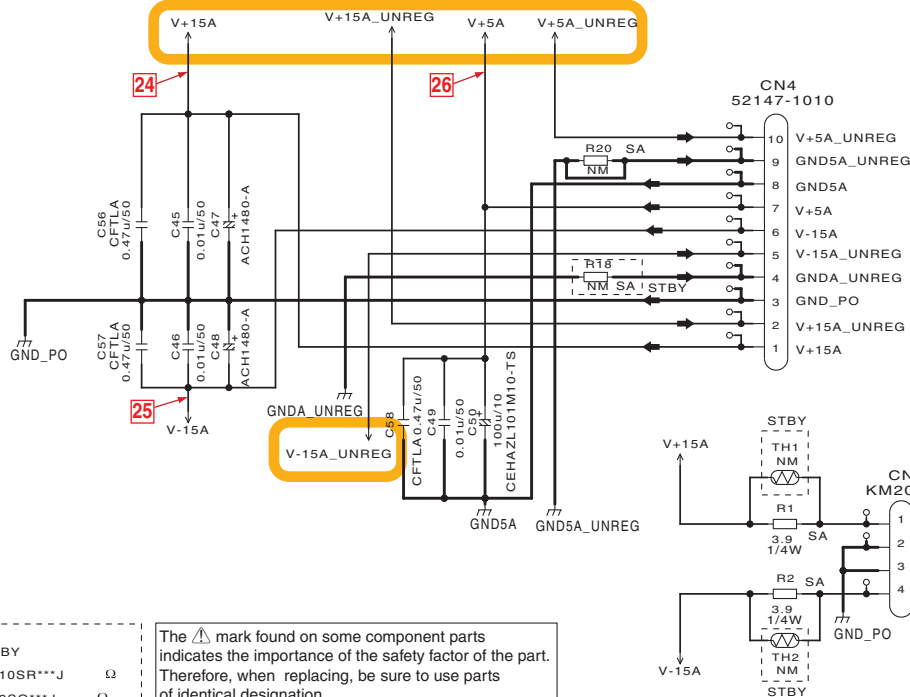
Notes

is STBY	
RS1/10SR***J	Ω
RS1/8SQ***J	Ω
RS1/4SA***J	Ω
RS1/10SR***D	Ω
RN1/16SE***D	Ω
CCSRCH***J	F
CKSRYP***K	F
CKSQYB***K	F
CFTLA***J	F
CEANP	F
CEAT	F

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

Δ 印の部品は、安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

□ : Voltage measuring point
○ : Waveform measuring point



CN5001

A5/5 CN4801

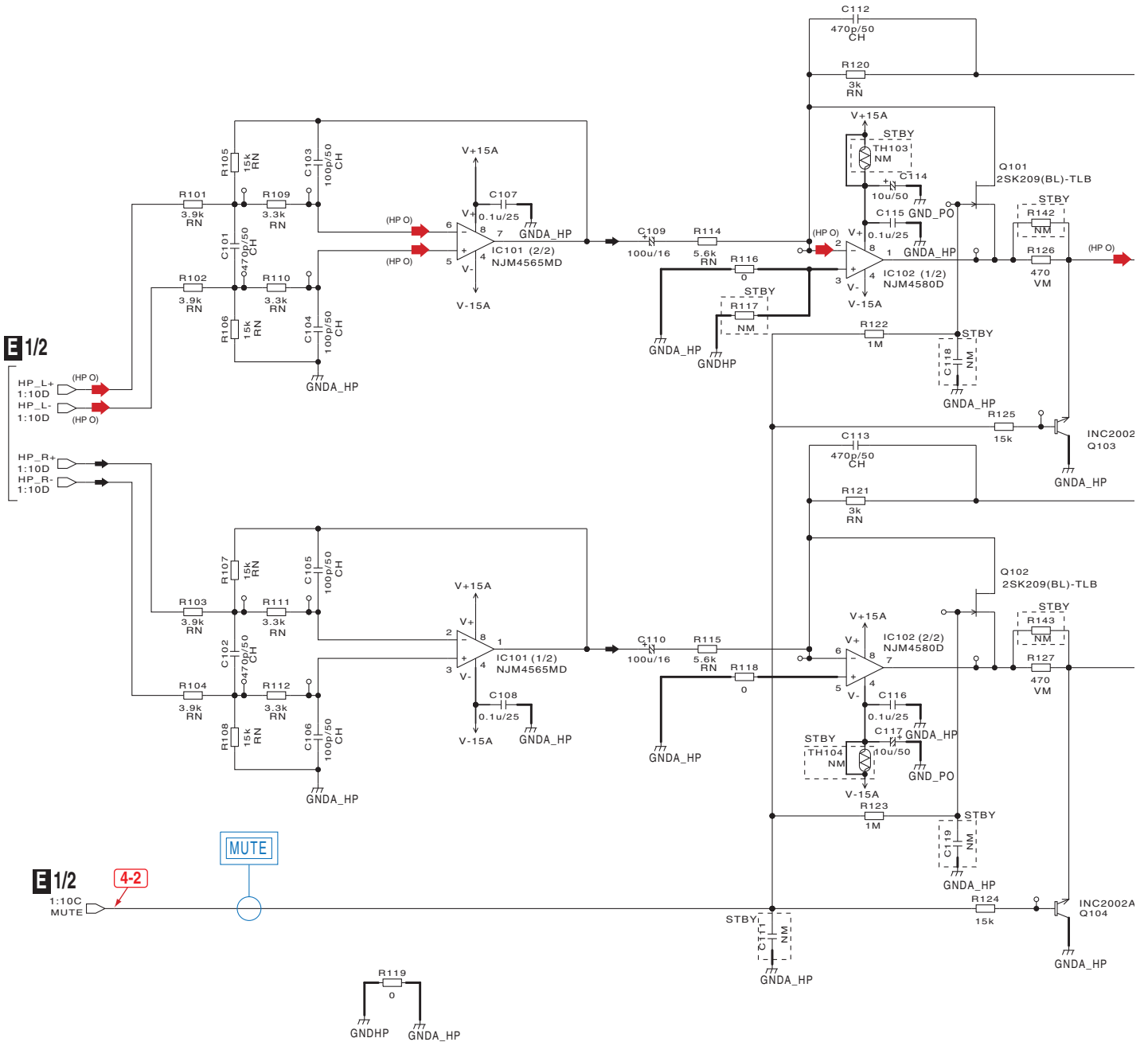
The check point for service.
(Legend silk indication on the PCB.)

10.27 SEC/HP ASSY (2/2)

HP OUT

POST Filter

AMP



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

E 2/2

A



C

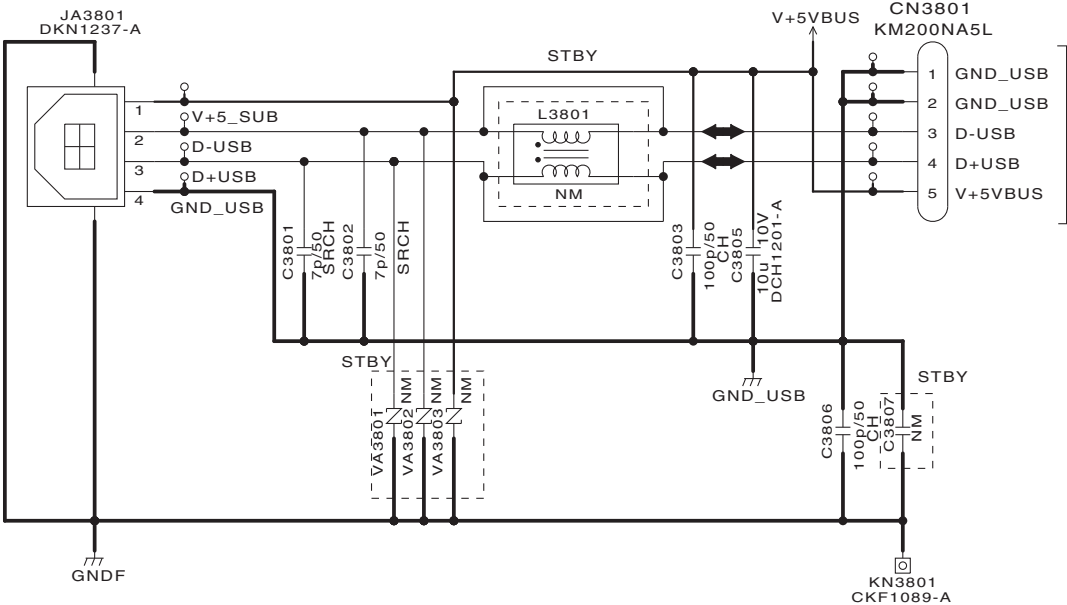
□

E

F

USBI ASSY (DWX3431)

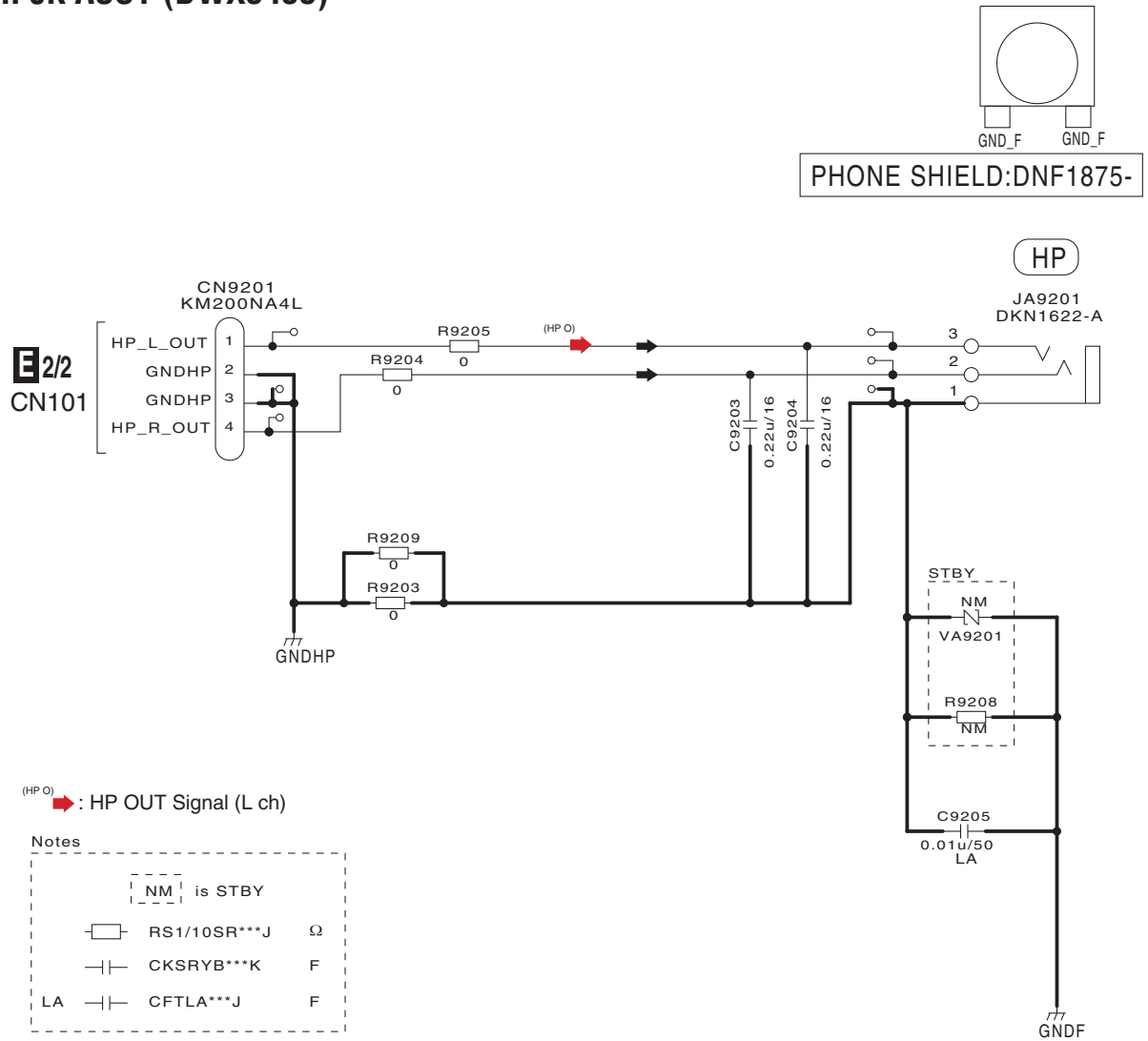
USB2.0 High speed



9/19
CN2602

NOTES			
NM	is STBY		
RS1/16SS***J		Ω	
CKSSYB***K		F	
CH CCSSCH***J		F	
SRCH CCSRCH***D		F	

G HPJK ASSY (DWX3433)



10.29 PNLA ASSY (1/2)

A

B

C

D

E

F

D1/19 CN1001

D1/19 CN1002

1 CN7001

H1/2

146

2

3

4

3-11 FL FILAMENT VOLTAGE

V+5D_LED_PA 3-10

V+34D_PA 3-9

3-13

3-14

3-15

3-16

V+3R3D_PA 3-12

2:1A KEY_PNLA H2/2

2:1A KEY_PNLA H2/2

2:6A VR_BUS H2/2

V+3R3D_PA 3-1

3-2

3-3

SUB uCOM

DYW1830-J

UPD78F1162AGF-GAS-K

P56/EX14

P56/EX13

P56/EX12

P56/EX11

P56/EX10

P56/EX9

P56/EX8

P56/EX7

P56/EX6

P56/EX5

P56/EX4

P56/EX3

P56/EX2

P56/EX1

P56/EX0

P56/EX

P56/EX

P56/EX

P56/EX

P56/EX

P56/EX

P56/EX

P56/EX

P56/EX

P56/EX

P56/EX

P56/EX

K CN7201

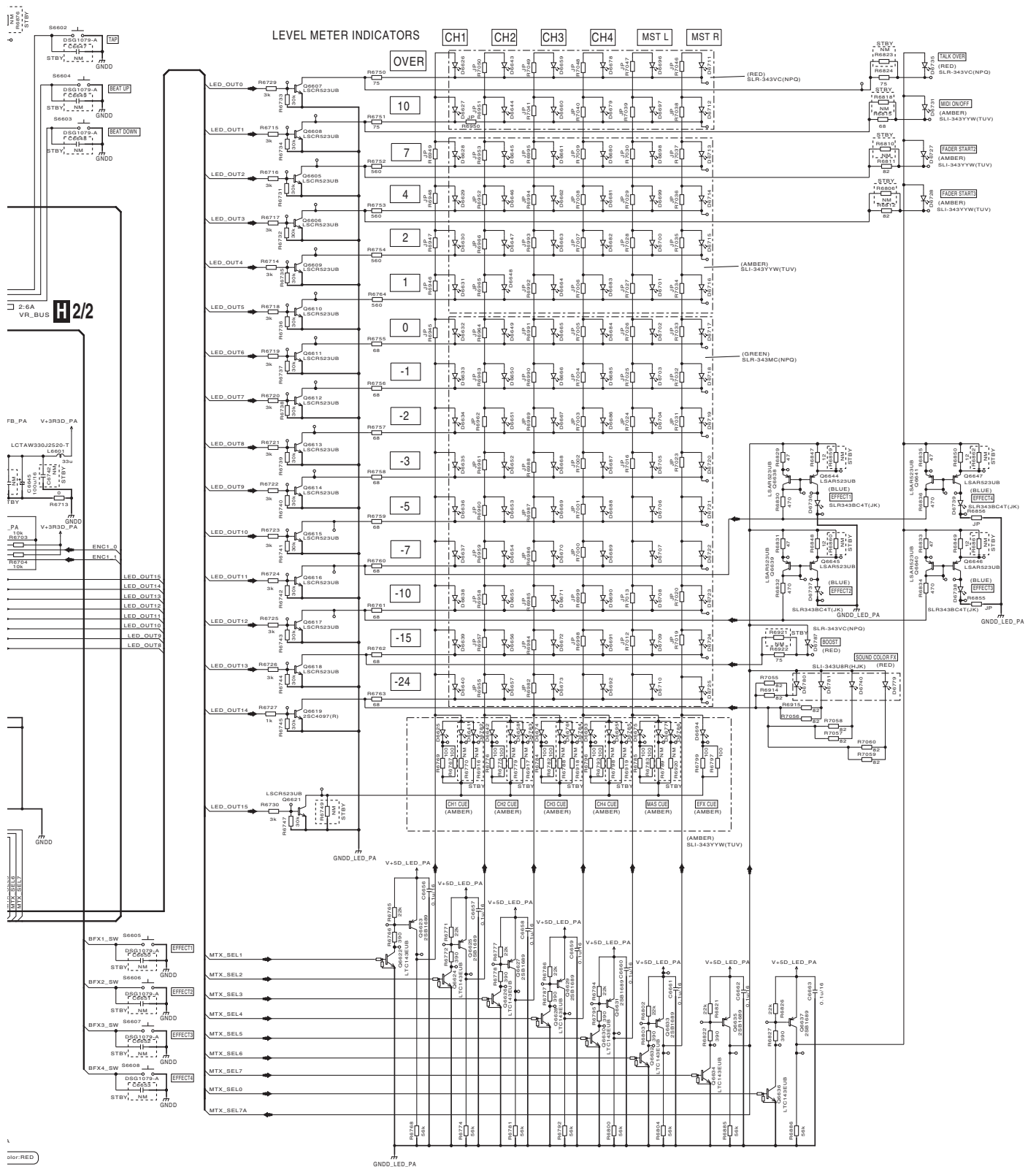
L CN7401

M CN7601

N CN7801

DJM-750-K

H1/2 PNLA ASSY (DWX3439)



NOTES

- NM is STBY
- RS1/10SR***J
- RS1/10SR***D
- RS1/10SR***F
- CKSRYS
- CCSRCH
- CEAT

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

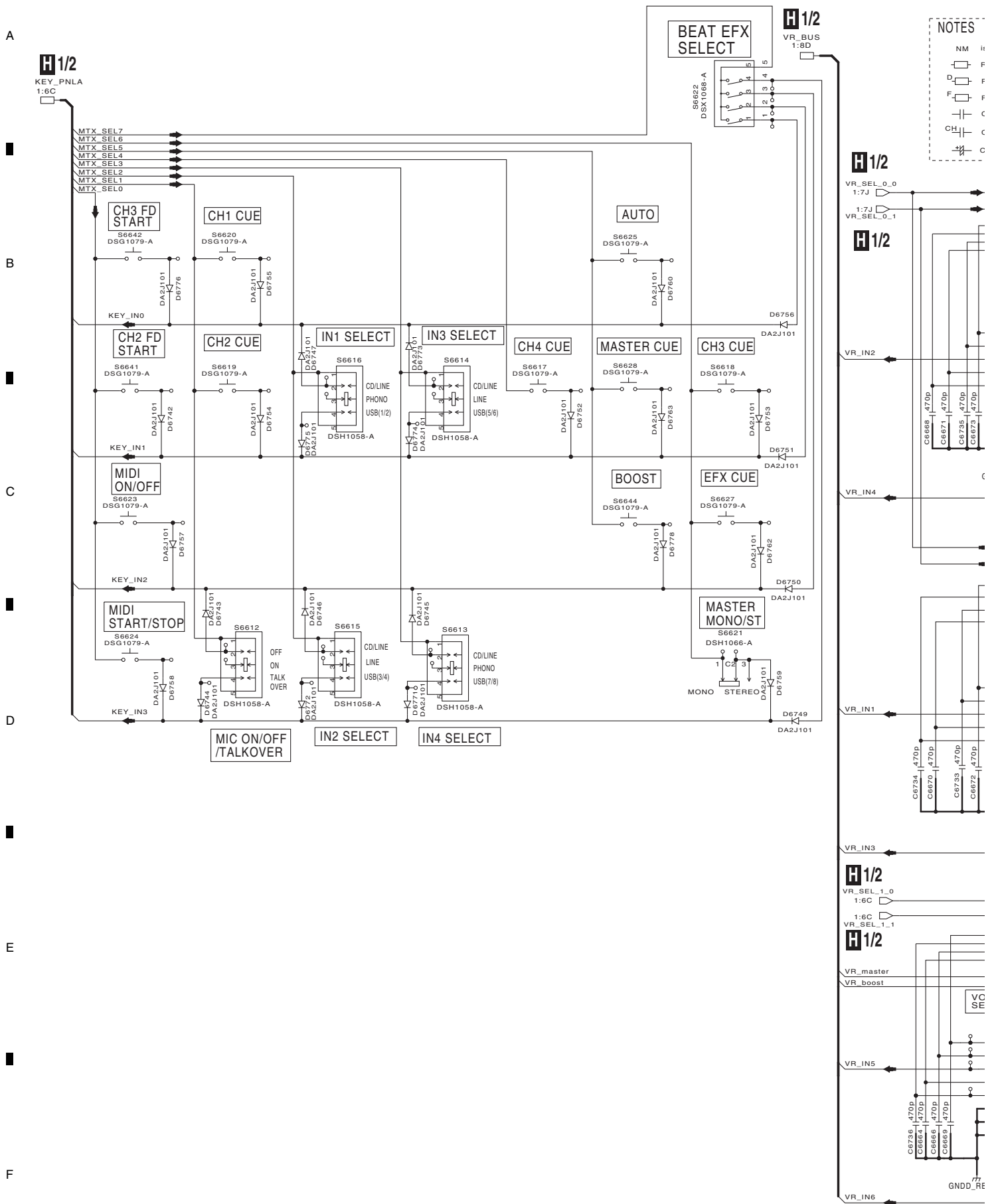
□ : Voltage measuring point
○ : Waveform measuring point

DJM-750-K

H1/2

147

10.30 PNLA ASSY (2/2)



A

$$\text{CH} \parallel \text{CCSRCH}$$

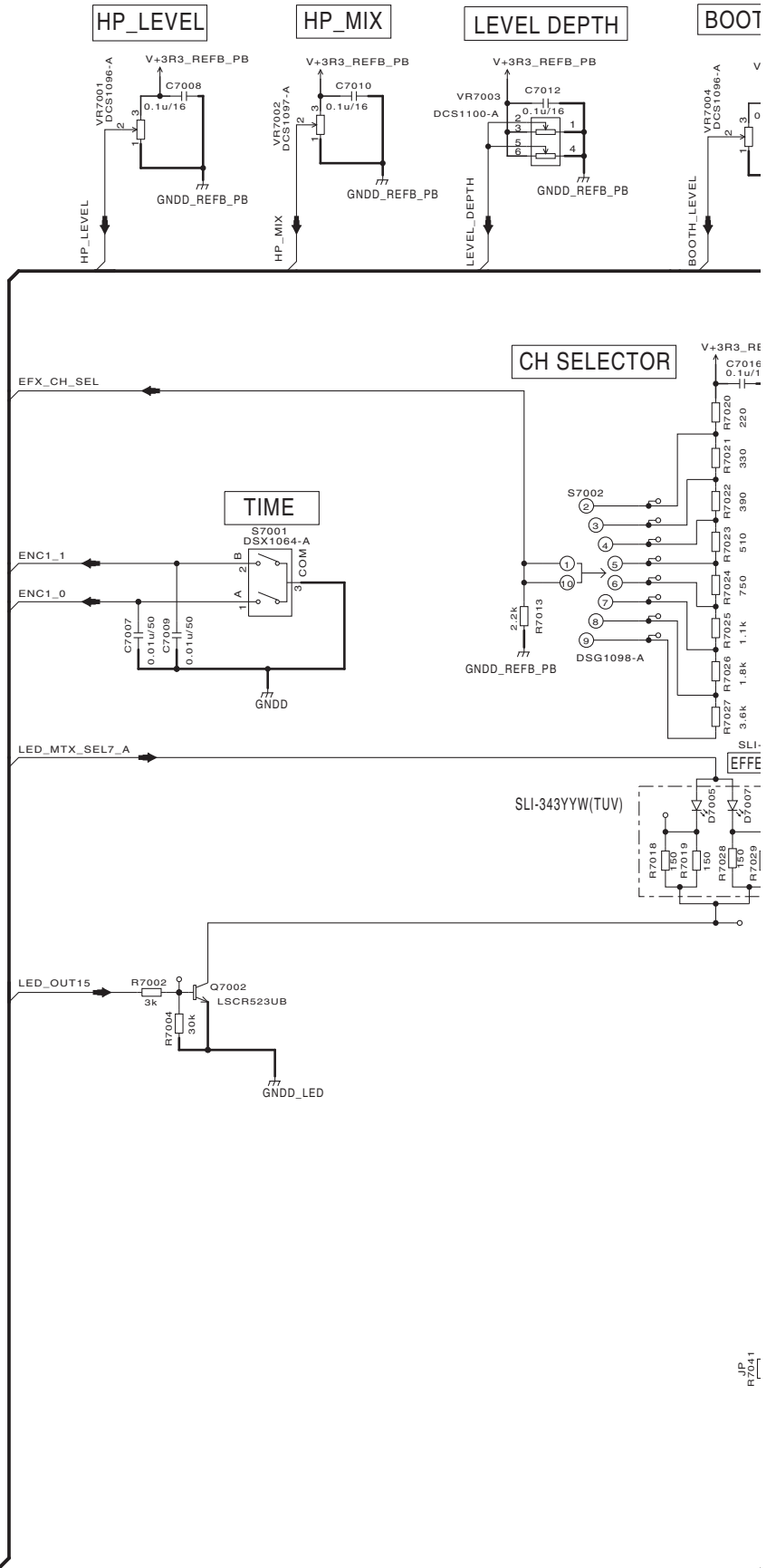

1. OUTPUT1	8. V
2. -INPUT1	7. OUTPUT2
3. +INPUT1	6. -INPUT2
4. GND	5. +INPUT2

H₂/2

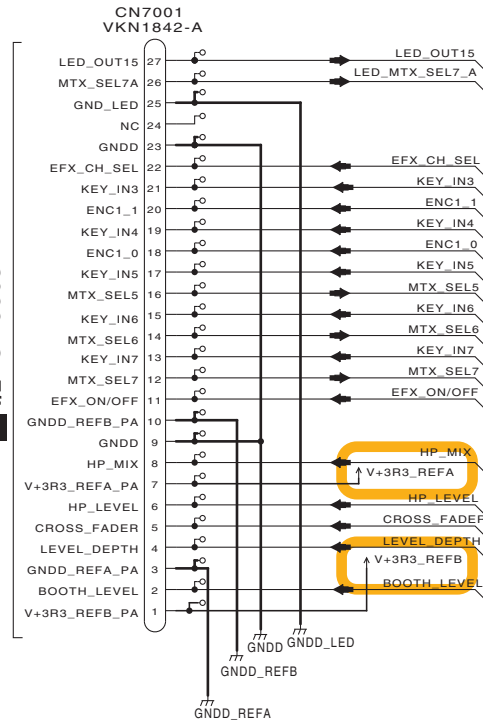
10.31 PNLB and FADC ASSYS

PNLB ASSY (DWX3440)

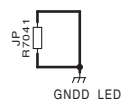
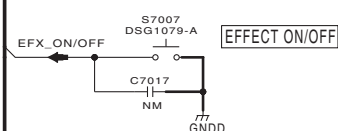
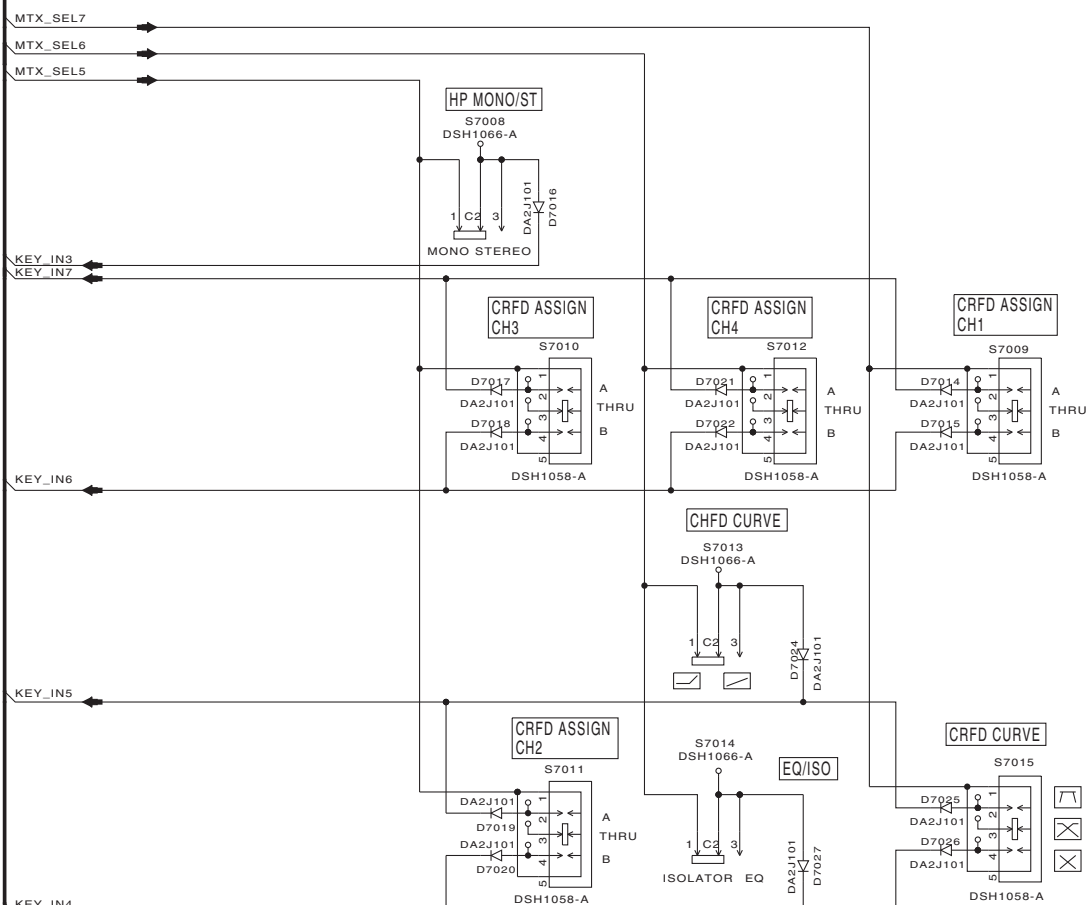
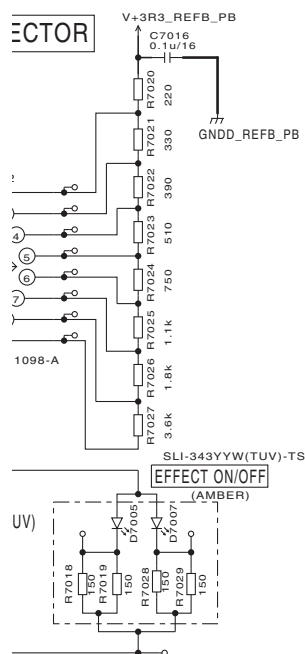
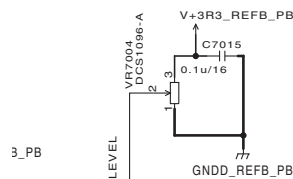
□ : Voltage measuring point
 □ : Waveform measuring point



H 1/2 CN6603



BOOTH LEVEL

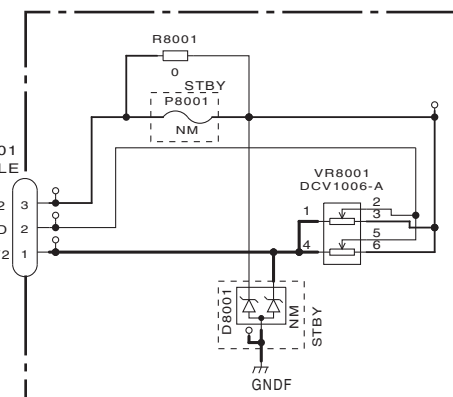


NOTES NM is STBY
 RS1/10SR***J
 CKSRYB
 CEAT***

Notes NM is STBY
 RS1/10SR***J Ω

Connector Color:Blue

FADC ASSY (DWX3438)



A

B

C

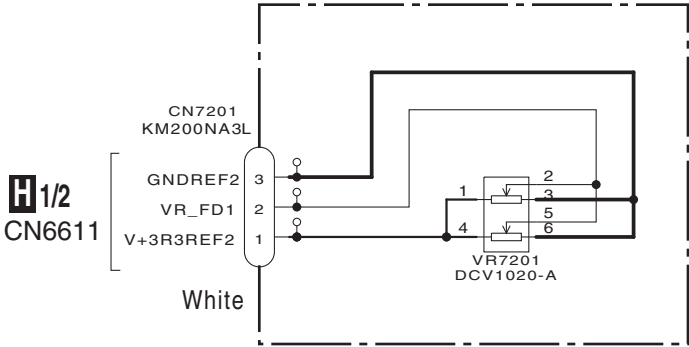
D

E

F

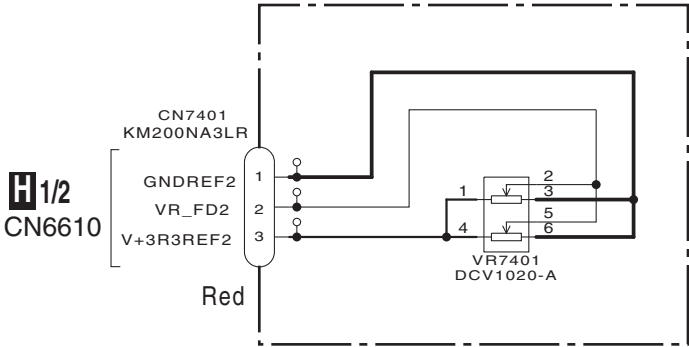
K

FAD1 ASSY (DWX3434)



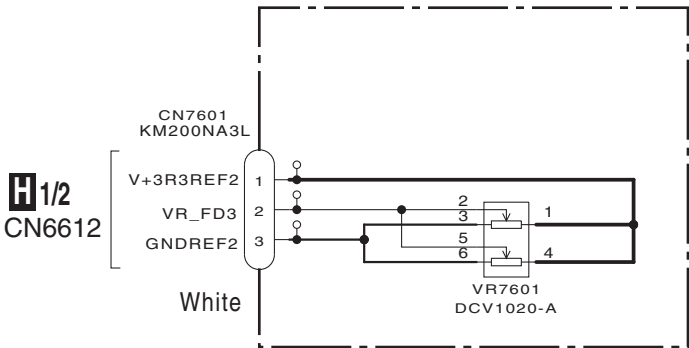
L

FAD2 ASSY (DWX3435)



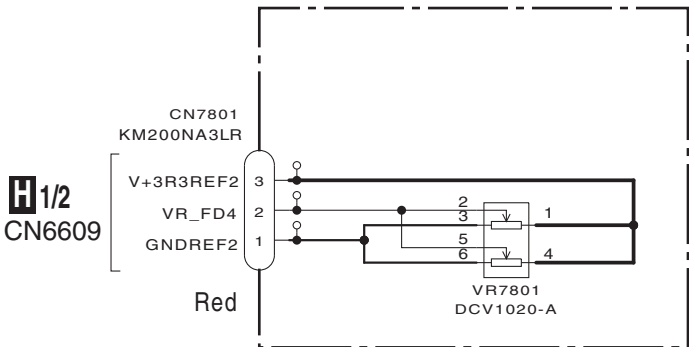
M

FAD3 ASSY (DWX3436)

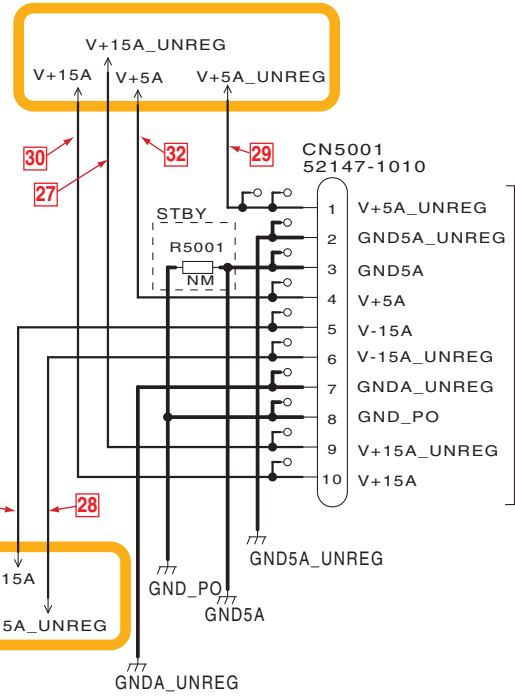
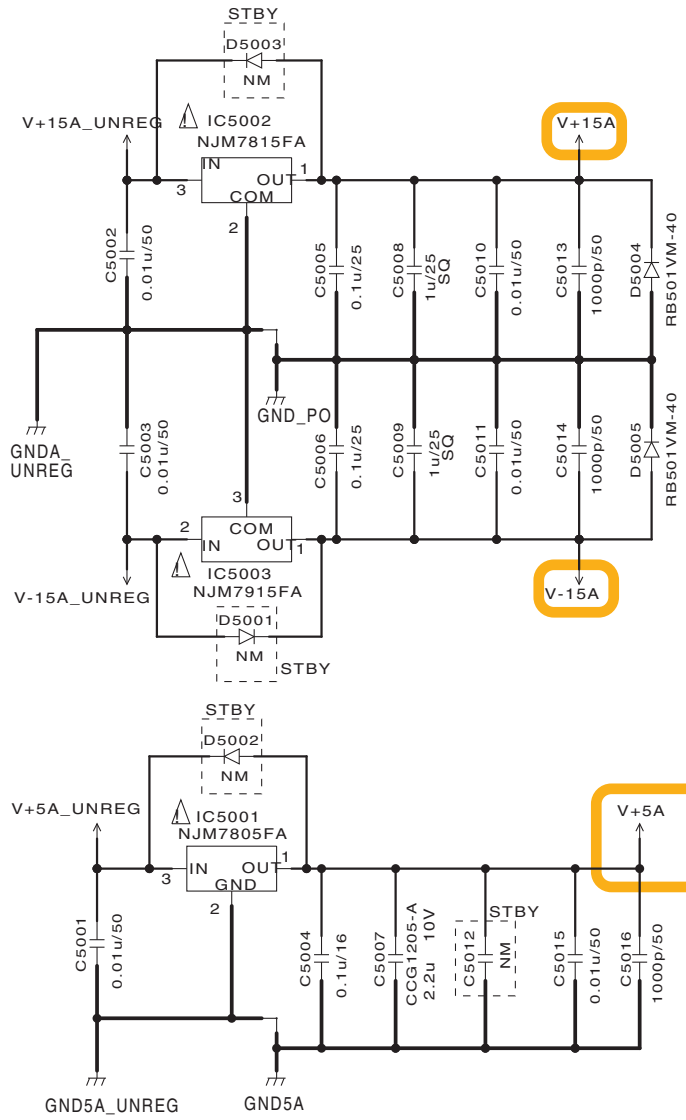


N

FAD4 ASSY (DWX3437)



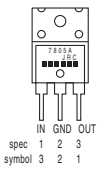
REG ASSY (DWR1528)



【CAUTION】

Pin-Signal name of NJM7805FA is different in the specification and the circuit symbol.

	Specification	circuit symbol
1pin	INPUT	OUT
2pin	GND	GND
3pin	OUTPUT	IN



- : Voltage measuring point
- : Waveform measuring point

Notes

□ is STBY

CH	— —	CCSRCH***J	F
SQ	— —	CKSQYB***K	F
	— —	CKSRYB***K	F

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.

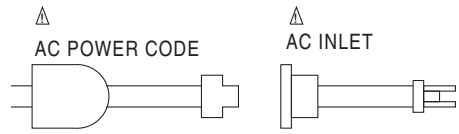
⚠ 印の部品は、安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

10.34 TRANS, PRIMARY and ACSW ASSYS

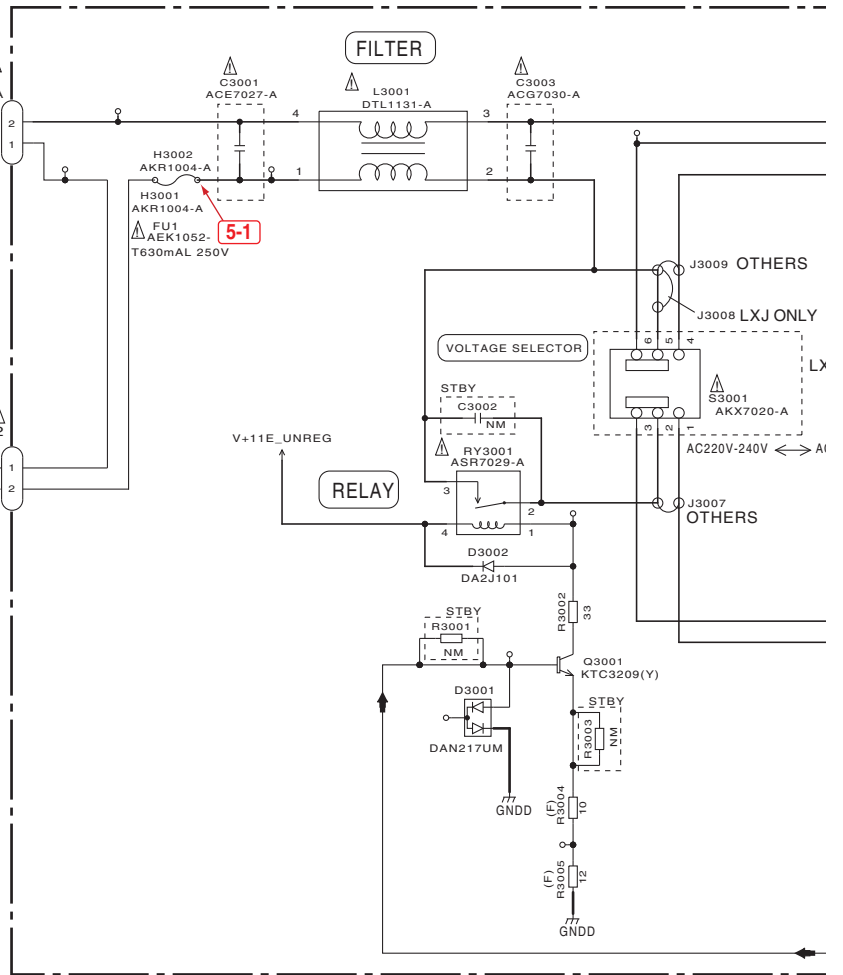
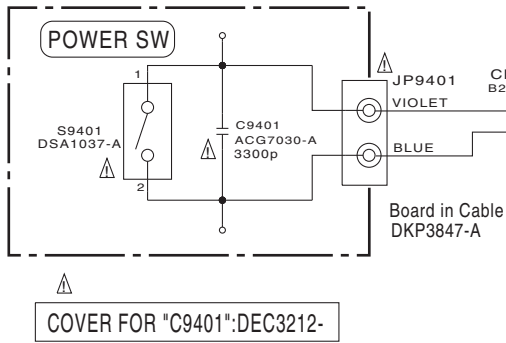
Q PRIMARY ASSY (DWR1535: SYXJ8, KXJ5, XJCN5) (DWR1537: UXJCB) (DWR1530: LXJ)

AC POWER CORD
ADG7062: SYXJ8, LXJ
ADG7115: KXJ5
ADG7105: XJCN5
DDG1108: UXJCB

AC INLET
DKP3916: SYXJ8, KXJ5, XJCN5, LXJ
DKP3915: UXJCB



R ACSW ASSY (DWR1532)



• NOTE FOR FUSE REPLACEMENT

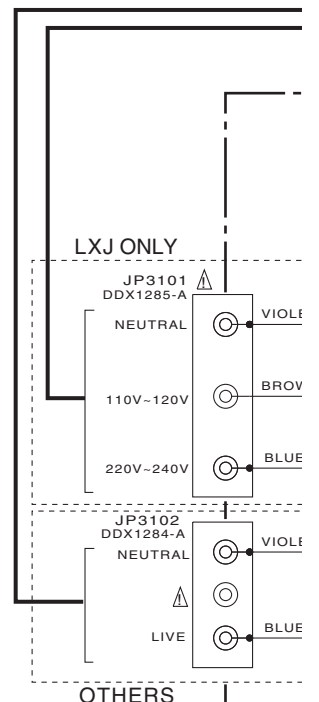
CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE ONLY WITH SAME TYPE NO. 218.630 MFD. BY
LITTELFUSE INC. FOR FU1.

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

 : Voltage measuring point
 : Waveform measuring point

NOTES

NM is STBY
CKSRYB





10.35 WAVEFORMS

A Measurement Conditioin

IN or OUT	Measure CH	IN CH	IN LEVEL	IN FREQUENCY	RL	Other Settings	Other Settings
IN	CD/LINE	CH1/2/3/4	0 dB	1K	–	TRIM LEVEL VR Center	–
IN	LINE	CH2/3	0 dB	1K	–	TRIM LEVEL VR Center	–
IN	PHONO	CH1/4	-40 dB	1K	–	TRIM LEVEL VR Center	–
IN	MIC	MIC	-40 dB	1K	–	TRIM LEVEL VR Center	Center all EQs
IN	RETURN	RETURN	0 dB	1K	–	Level depth VR Center	–
IN	USB	USB1/2/3/4	0 dB	1K	–	TRIM LEVEL VR Center	–
OUT	MASTER1/2	CH1/CD/LINE	0 dB	1K	10 kΩ	MASTER LEVEL VR Center	Center all EQs/FADER Max
OUT	BOOTH	CH1/CD/LINE	0 dB	1K	10 kΩ	BOOTH LEVEL VR Center	Center all EQs/FADER Max
OUT	REC	CH1/CD/LINE	0 dB	1K	10 kΩ	–	Center all EQs/FADER Max
OUT	SEND	CH1/CD/LINE	0 dB	1K	10 kΩ	–	Center all EQs/FADER Max
OUT	HP	CH1/CD/LINE	0 dB	1K	32 Ω	HP LEVEL Center	Center all EQs/FADER Max
OUT	DIG OUT	CH1/CD/LINE	0 dB	1K	75 Ω	–	Center all EQs/FADER Max

Measure the output waveforms at the CH1 CD/LINE input.

TSET DISC <STD-905>
Track2 1 kHz 0 dB
Track6-2 1 kHz -40 dB
Playbak in CDJ.

Switch Type Setting

MASTER ATT

: 0 dB

MONO/ST (HP)

: ST

MON/ST (MASTER)

: ST

CH FADER CURVE

: Right side (linear)

CROSS FADER CURVE

: Center

CROSS FADER ASSIGN

: THRU

MIC SW

: ON

MASTER CUE

: ON

COLOR VR

: Center

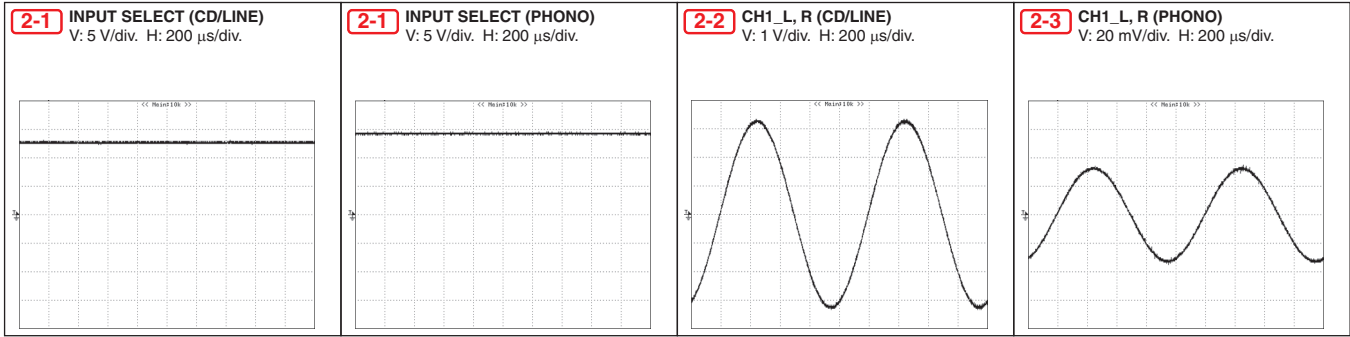
ISOLATOR

: EQ

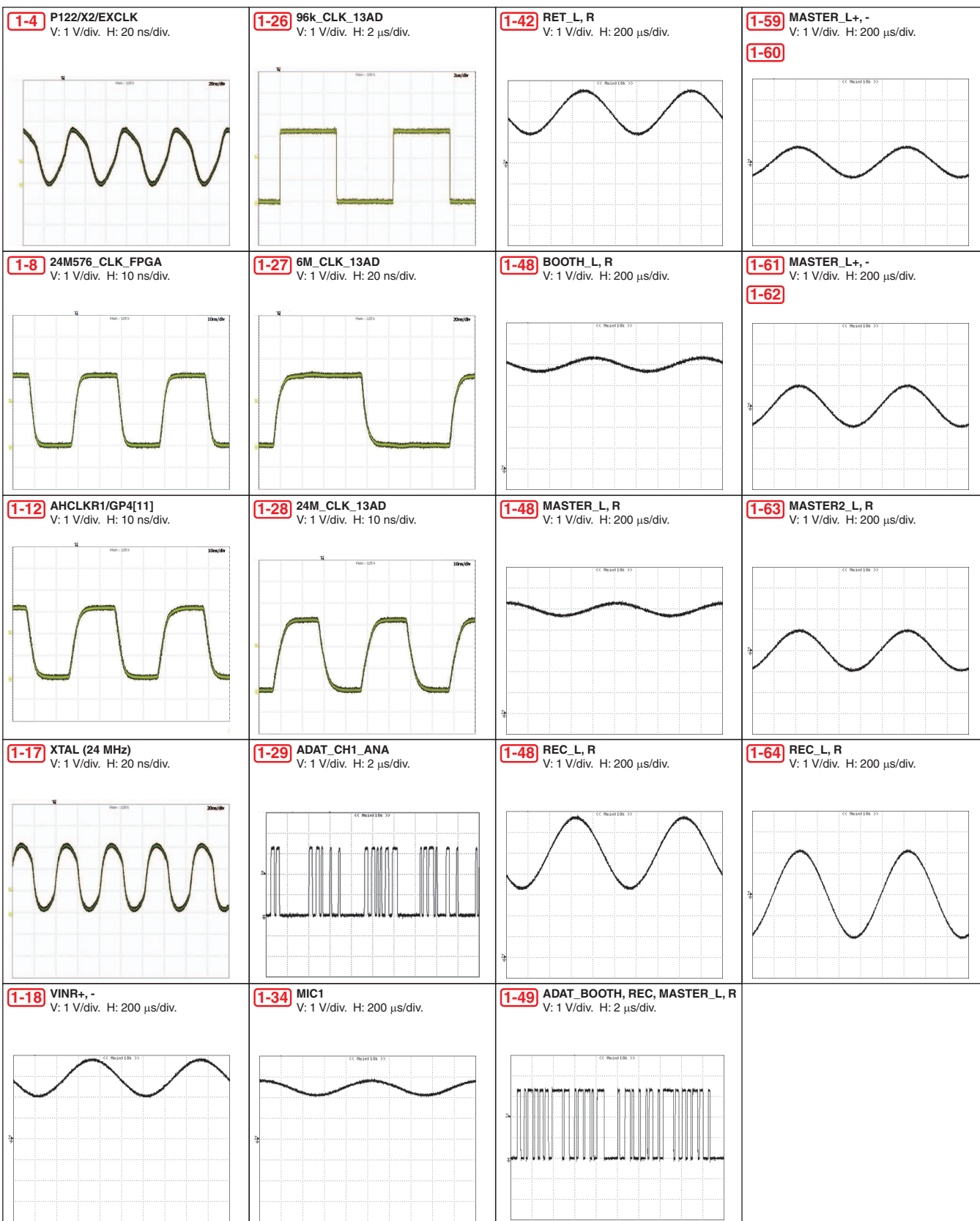
* The waveform for a high-speed signal is obtained, using an FET probe.
Note that the waveforms at the high-frequency band will be attenuated (a curve will be damped) compared with those indicated in this section if a passive probe (generally available) is used for diagnosis.

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

A INPUT ASSY



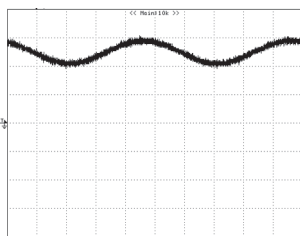
D MAIN ASSY



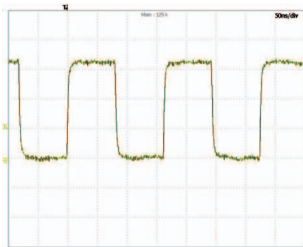
A

D MAIN ASSY

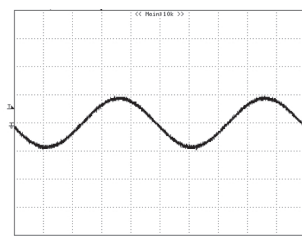
1-72 SEND_L (SENDAC output)
V: 1 V/div. H: 200 μ s/div.



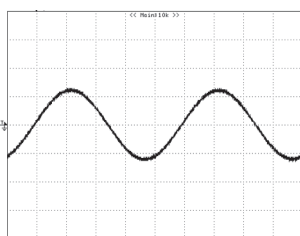
1-88 DOUT_SRC_BCK
V: 1 V/div. H: 50 ns/div.



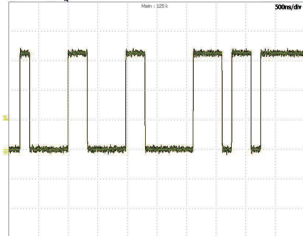
1-96 BOOTH L, R
V: 1 V/div. H: 200 μ s/div.



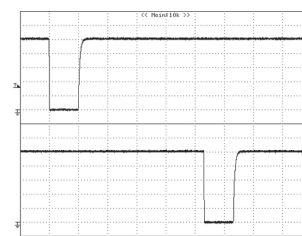
1-72 SEND_L (SEND output)
V: 1 V/div. H: 200 μ s/div.



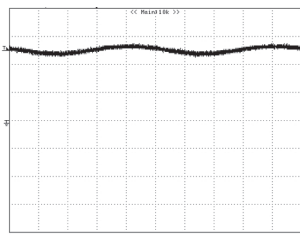
1-89 DOUT_SRC_DATA
V: 1 V/div. H: 500 ns/div.



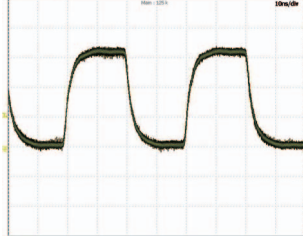
1-97 FADER_START1, FADER_STOP1
V: 1 V/div. H: 100 ms/div.
Fader Start button ON
CH Fader MIN $\leftrightarrow$ MAX



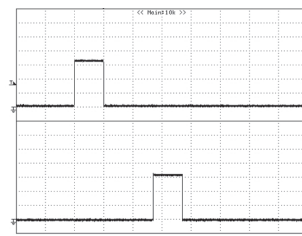
1-78 HP_L+, -, HP_R+, -
V: 1 V/div. H: 200 μ s/div.



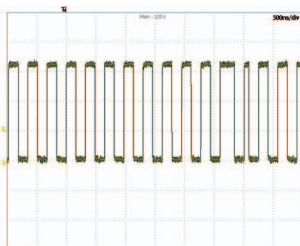
1-90 FPGASRC_MCLK
V: 1 V/div. H: 10 ns/div.



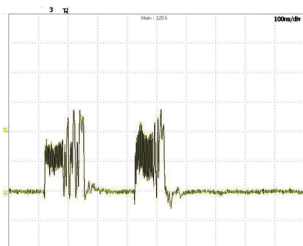
1-99 R3057, R3058
V: 1 V/div. H: 100 ms/div.
Fader Start button ON
CH Fader MIN $\leftrightarrow$ MAX



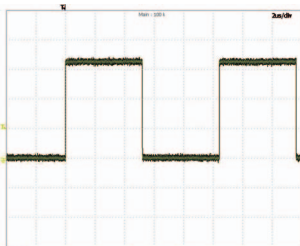
1-84 DIGITAL OUT
V: 1 V/div. H: 500 ns/div.



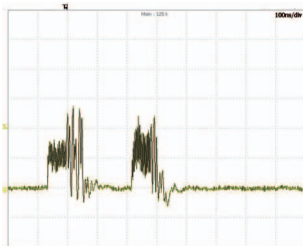
1-92 D+USB
V: 200 mV/div. H: 100 ns/div.



1-87 DOUT_SRC_LRCK
V: 1 V/div. H: 2 μ s/div.

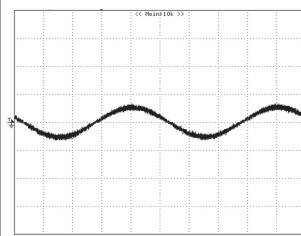


1-93 D-USB
V: 200 mV/div. H: 100 ns/div.



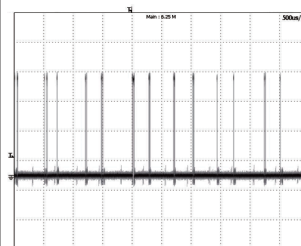
E SEC/HP ASSY

4-1 HP_L, R_OUT
V: 1 V/div. H: 200 μ s/div.

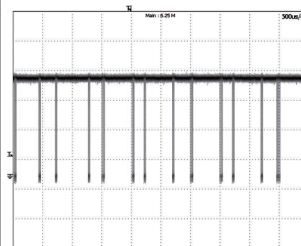


H PNLA ASSY

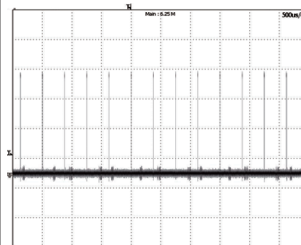
3-13 FL_TXD
V: 1 V/div. H: 500 μ s/div.



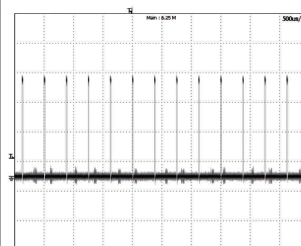
3-14 FL_SCK
V: 1 V/div. H: 500 μ s/div.



3-15 FL_LAT
V: 1 V/div. H: 500 μ s/div.



3-16 FL_BK
V: 1 V/div. H: 500 μ s/div.



■

5

■

6

■

7

■

8

■

A

■

B

■

C

■

D

■

E

■

F

■

5

■

6

■

7

■

8

■

A

Diagram illustrating the components of a P.C. Board:

- Connector
- Capacitor
- P.C. Board
- Chip Part

E



□

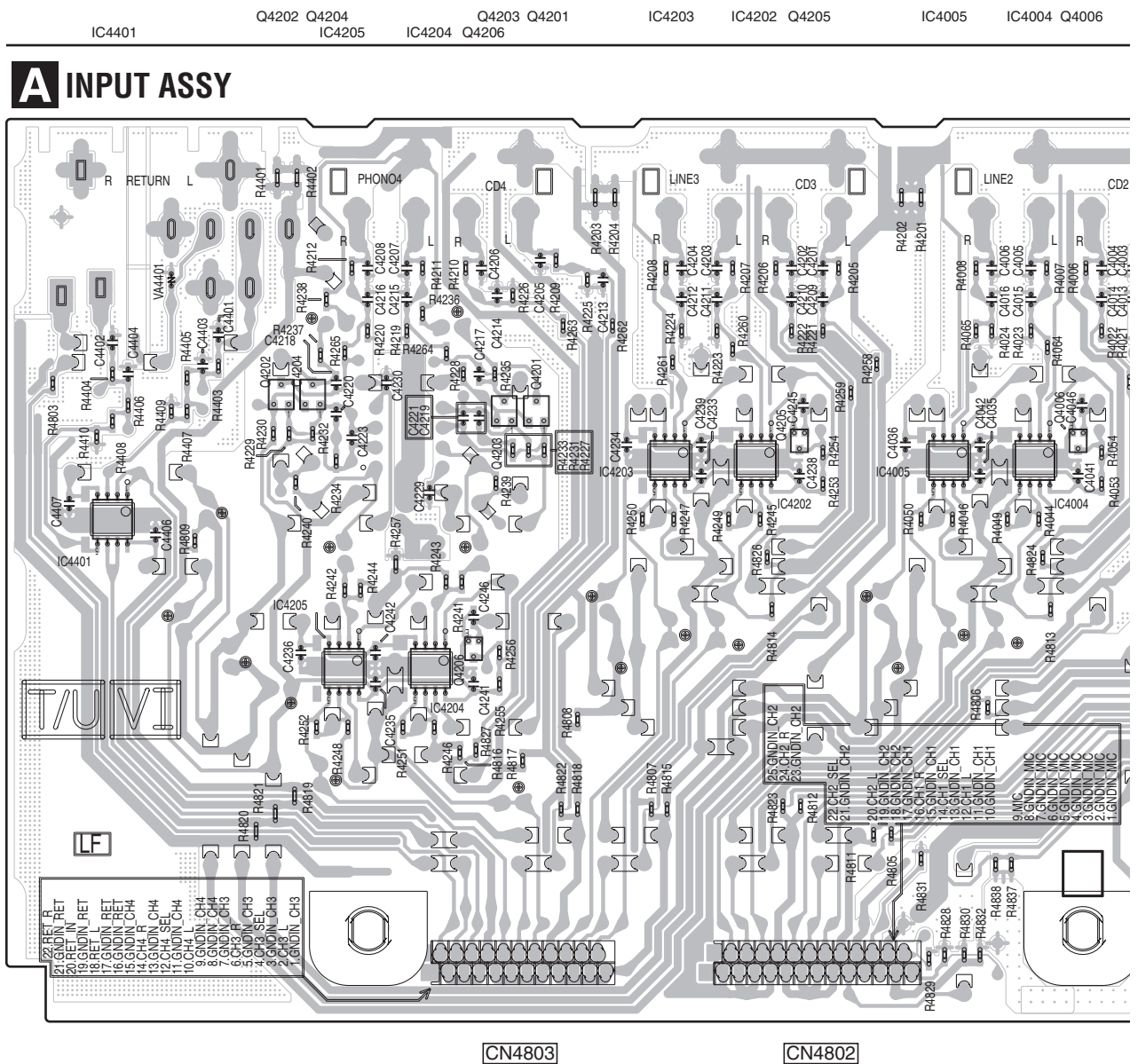
F

F

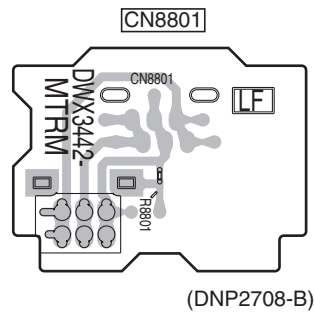
A

SIDE B

- : Voltage measuring point
 ○ : Waveform measuring point

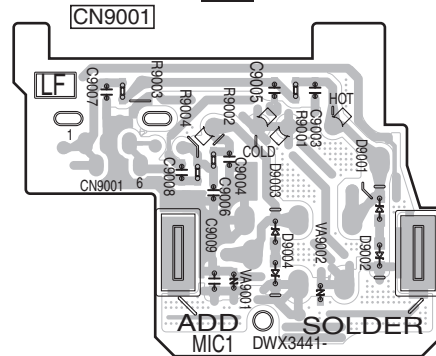


C MTRM ASSY



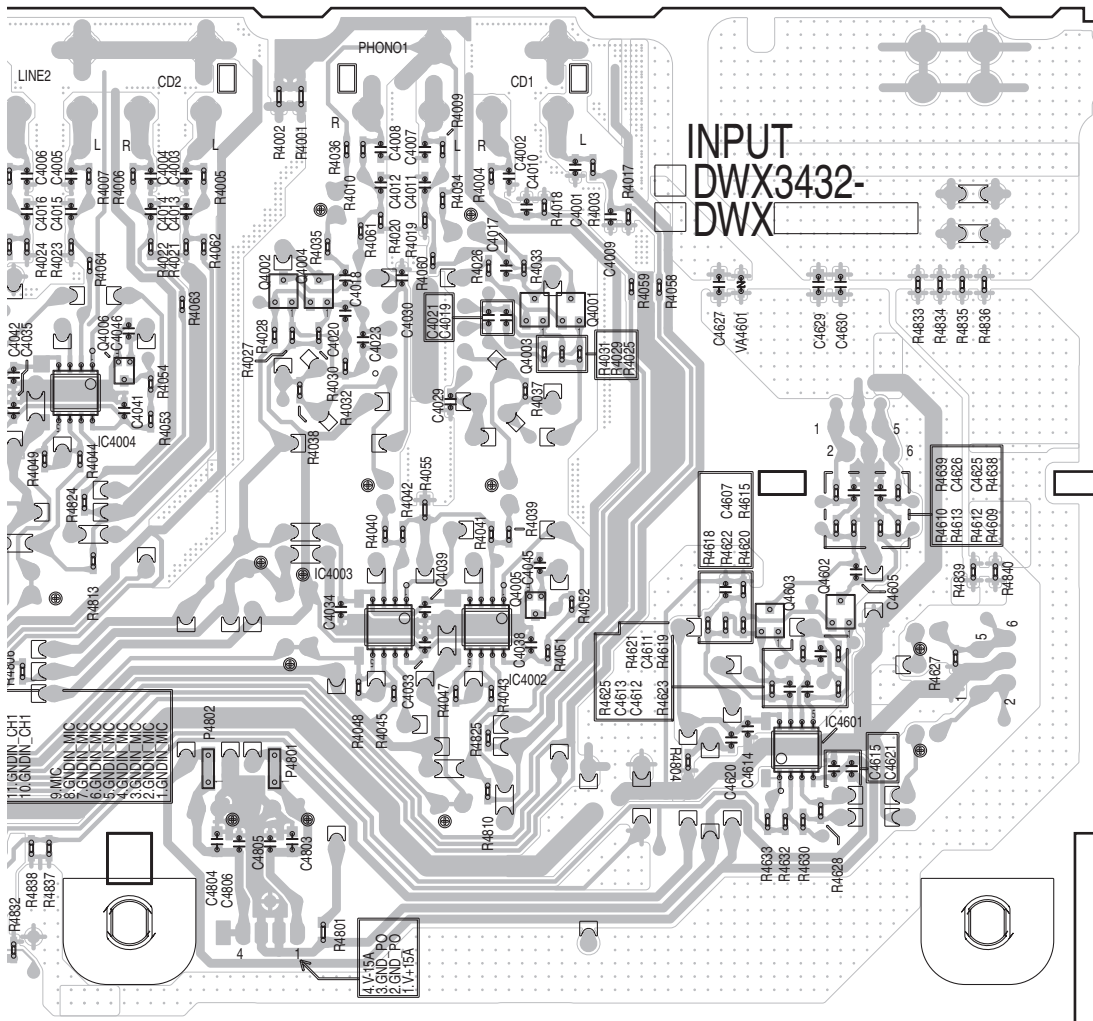
(DNP2708-B)

B MIC1 ASSY



(DNP2708-B)

IC4004 Q4006 Q4002 Q4004 Q4003 Q4002 Q4003 Q4001 Q4005 Q4603 Q4602 IC4601



11.2 MAIN ASSY

SIDE A

D MAIN ASSY

The blue character is silk for services.

A

Q3401
IC3405
Q215 Q209
Q214 Q208
Q3403 Q3402

B

IC3404
IC2801
IC2802

Q501 Q502
IC501

C

IC1406 IC201
IC3004
IC3005
IC3006 IC3204
IC3205
IC3008
IC3007

D

IC3201
IC2602 IC2601
Q3201

IC2401
IC3202
IC2603

E

IC2402
IC2605
IC2604

F

IC1001
IC1408
IC1405
IC1404

F CN3801

H CN6602

H CN6601

CN2602

CN1002

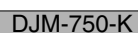
CN1001

* About [RESET_OUT]

A print position of the PCB silk of the product is wrong. A print position listed in this service manual is correct.

DJM-750-K

A



B

C

D

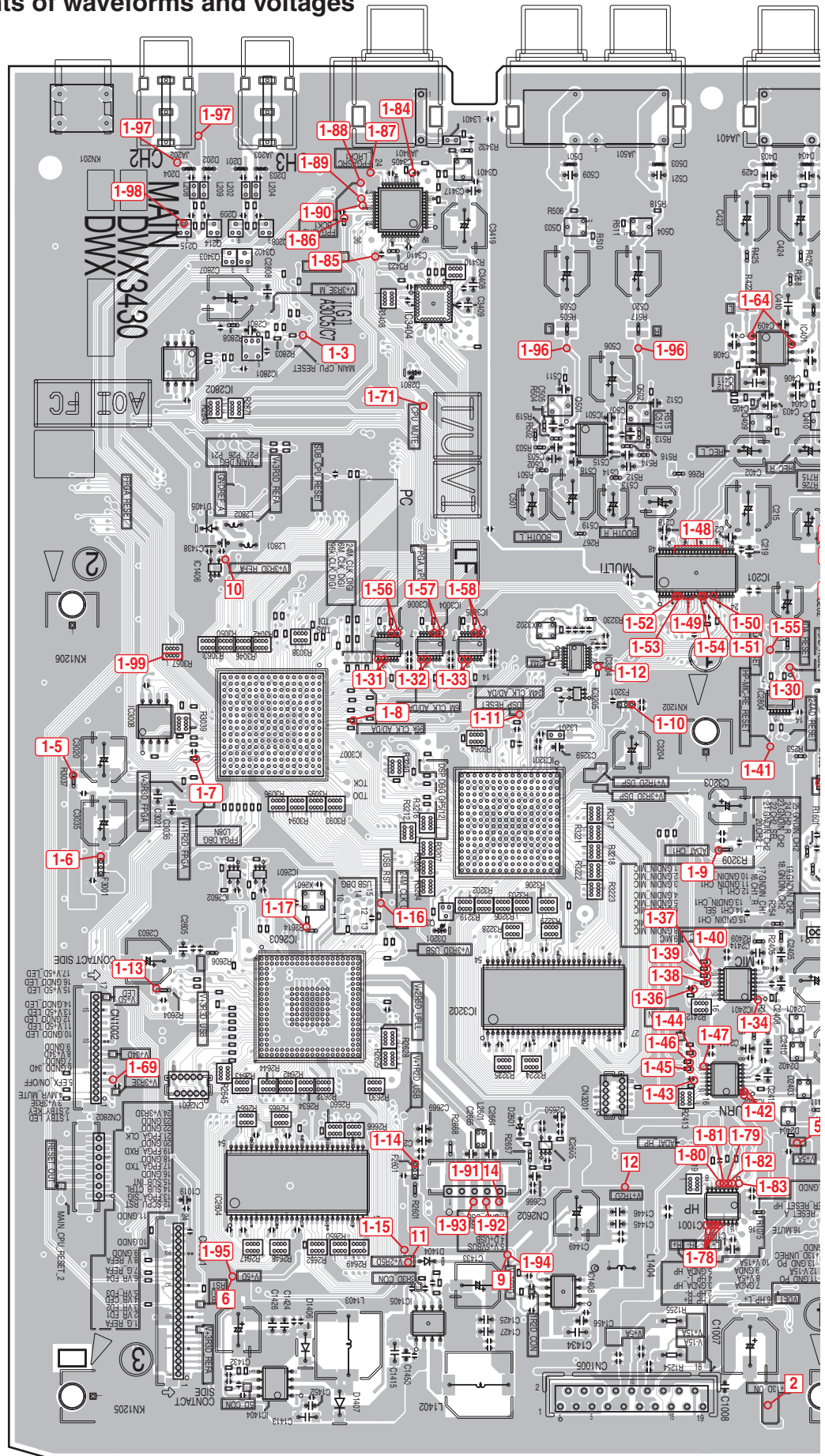
F

F

165

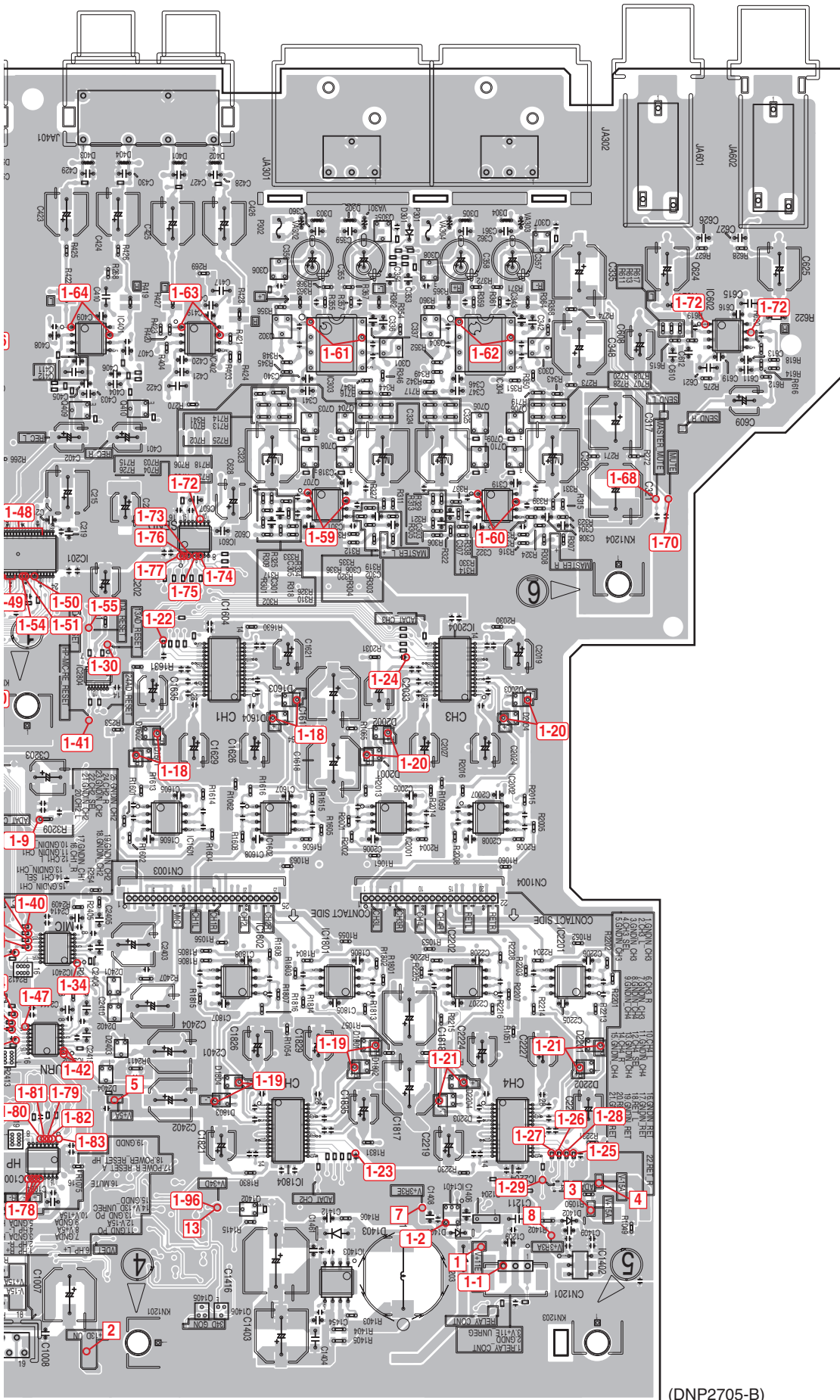
SIDE A ● Measuring points of waveforms and voltages

- : Voltage measuring point
- : Waveform measuring point



SIDE A

D MAIN ASSY



(DNP2705-B)

DJM-750-K

D

SIDE B

D MAIN ASSY

Q405-Q408

Q604 Q603

Q401-Q404

Q602 Q601

IC2003 IC1603

IC2203 IC1803

Q1201

IC1409 Q1206

Q203 Q1404

Q204 Q1401 Q1202

Q205 Q1403 Q1208

Q201 Q1207

Q202

Q2804

Q2803

CN1004
CN1003

CN1201

Lead limit 3.0mm

DJM-750-K

D

168

SIDE B

□ : Voltage measuring point
 ○ : Waveform measuring point

A

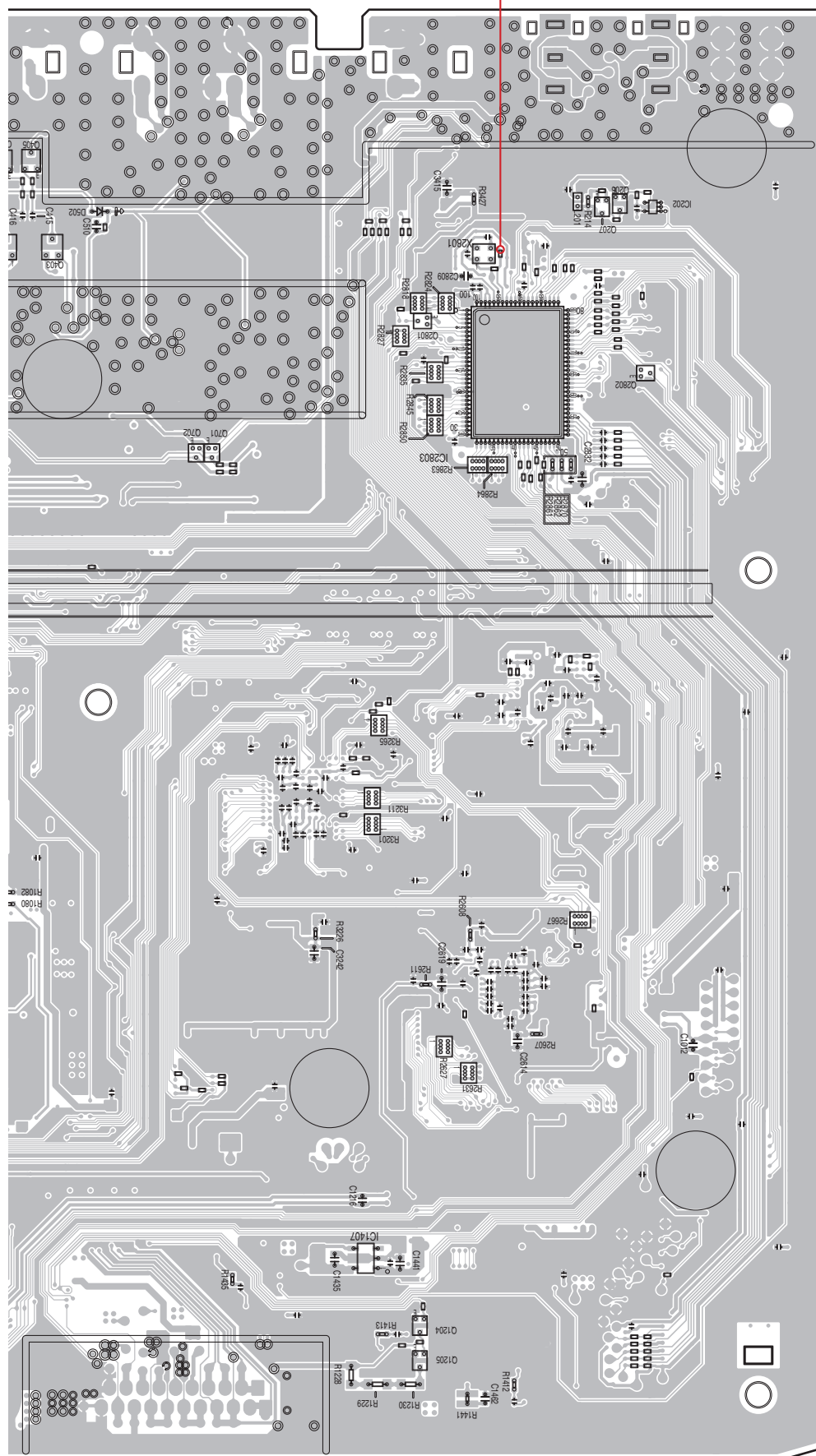
B

C

D

E

F



Q206 IC202
 Q207

Q2801

IC2803 Q2802

Q701
 Q702

[CN1002]

[CN2602]

[CN1001]

[CN1005]

IC1407

Q1204

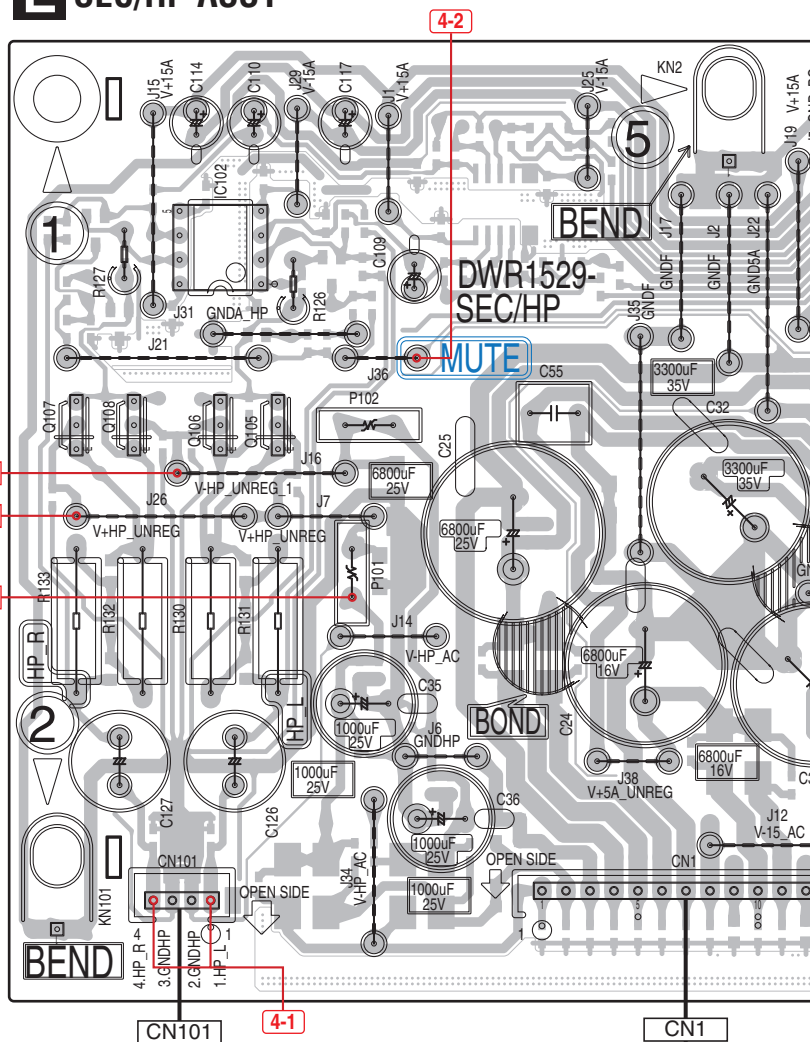
Q1205

(DNP2705-B)

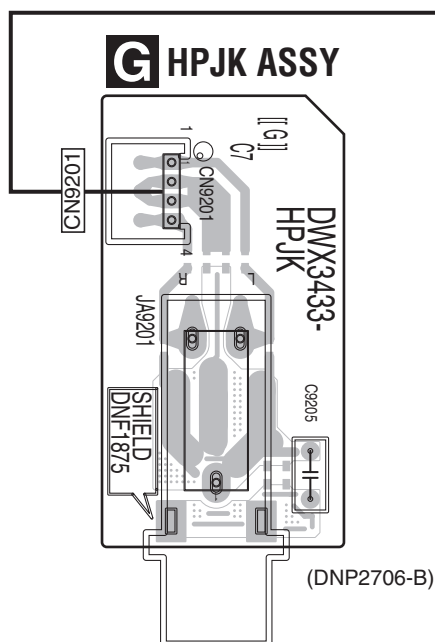
DJM-750-K

SIDE A

F



P CN3101



DJM-750-K

SIDE B

A

B

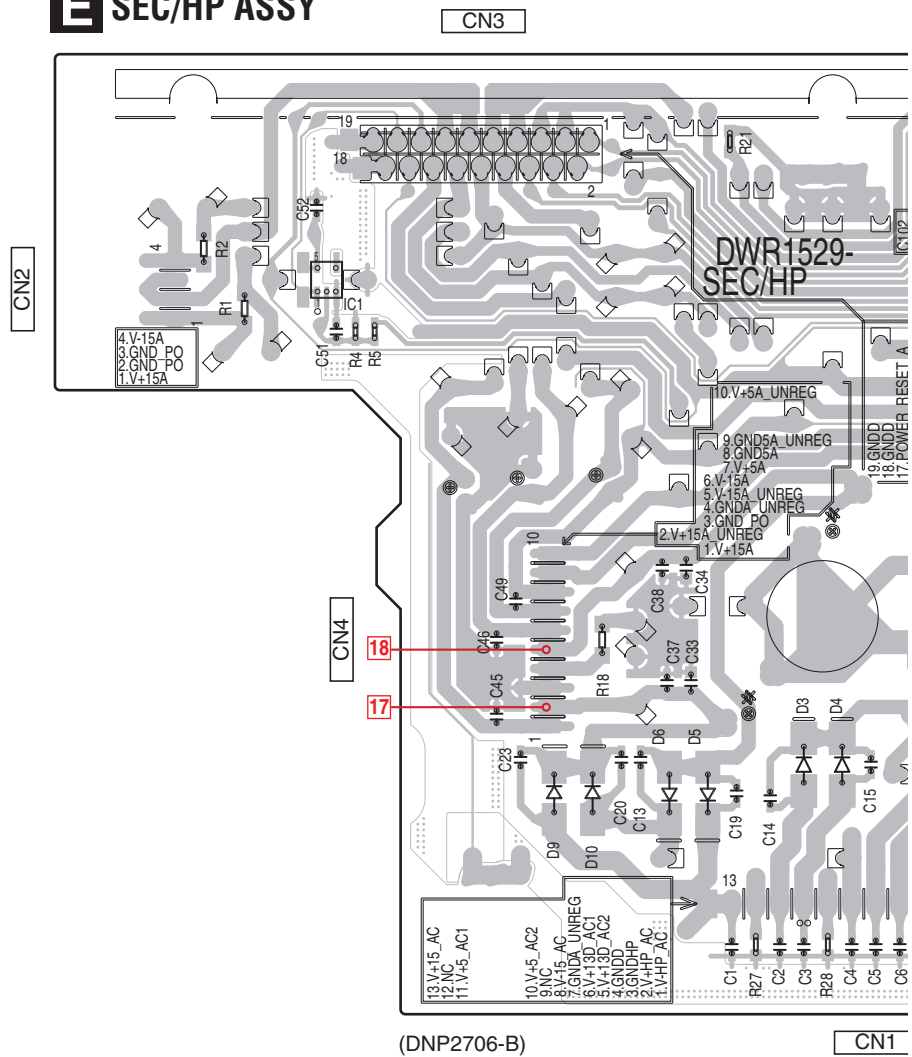
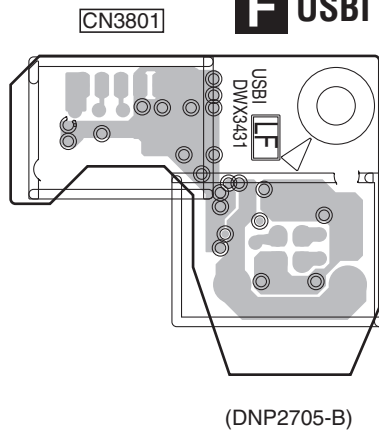
C

D

E

F

E SEC/HP ASSY

**F** USBI ASSY

SIDE B

A

-  : Voltage measuring point
-  : Waveform measuring point

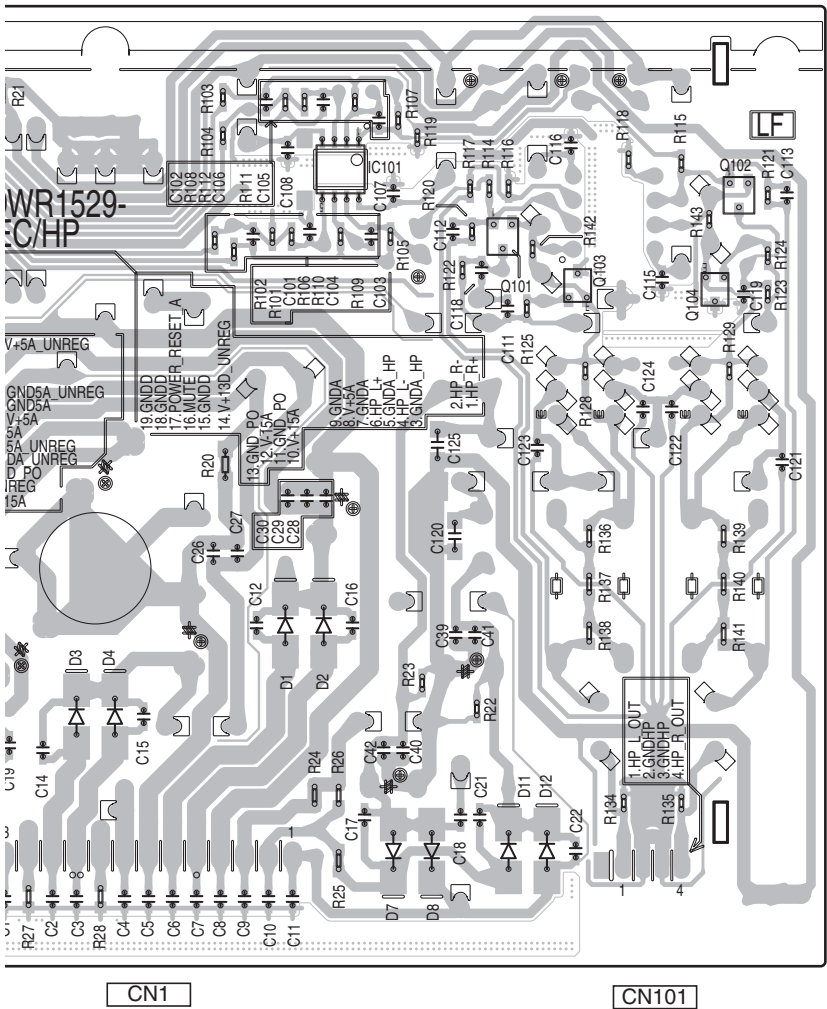
B

C

D

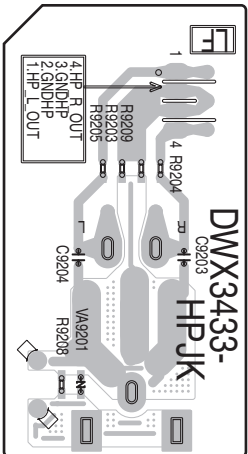
E

F



- IC101
- Q102
- IC1
- Q101
- Q103
- Q104

HPJK ASSY



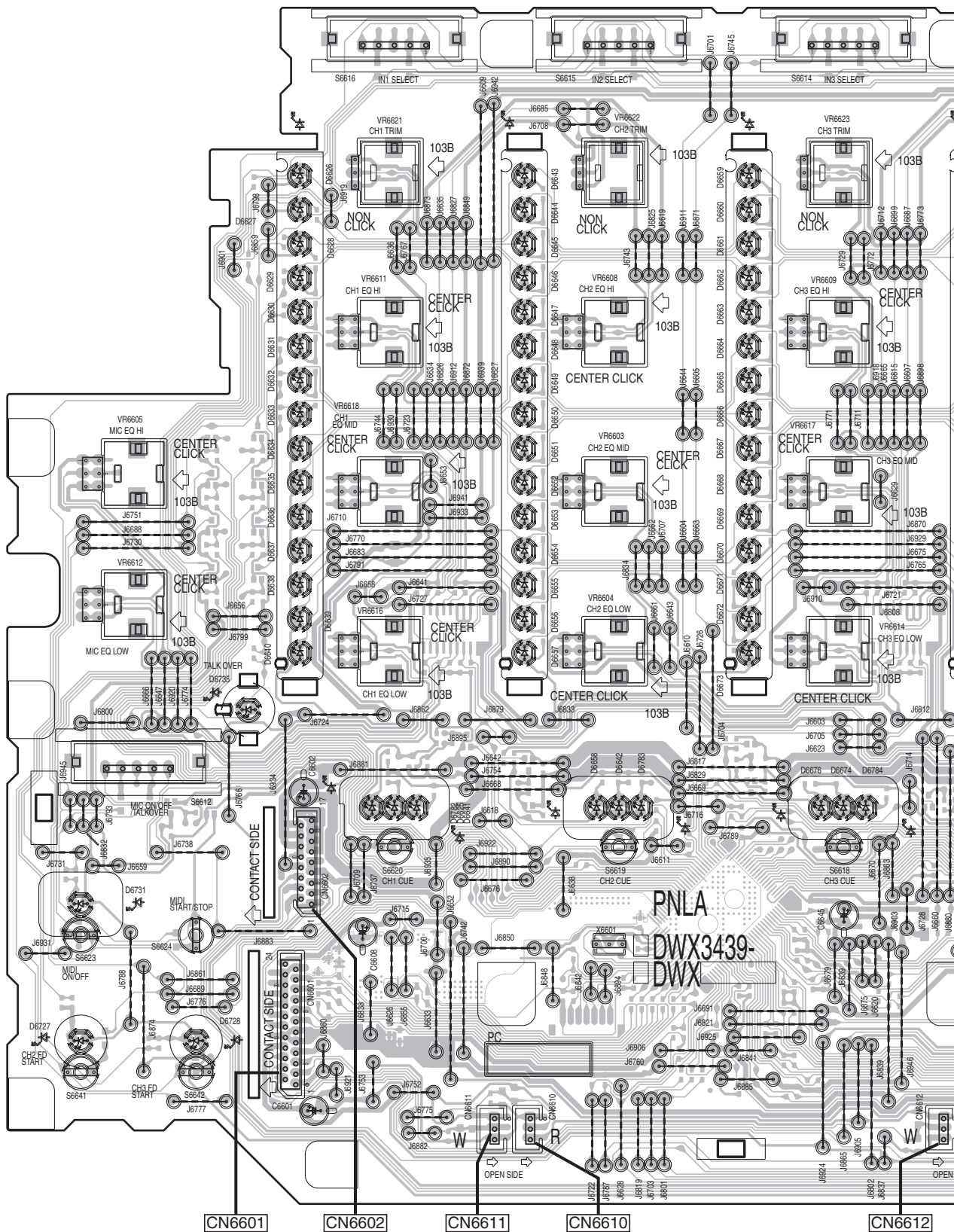
CN620

(DNP2706-B)

11.4 PNLA ASSY

SIDE A

PNLA ASSY



D CN1001 **D** CN1002 **K** CN7201 **L** CN7401 **M** CN7601

DJM-750-K

A

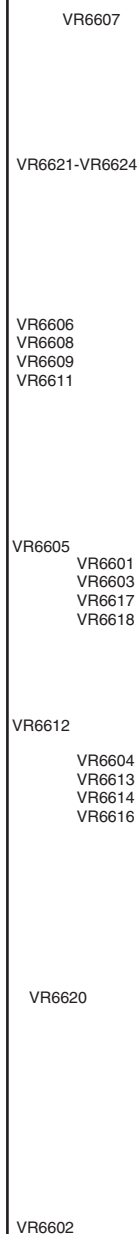
B

C

D

F

F



(DNP2707-A)

M CN7601 **N** CN7801 **I** CN7001

DJM-750-K

SIDE B

A

B

C

D

E

F

Q6650
IC6605Q6601 Q6613
Q6602Q6614
Q6615Q6609
Q6606Q6617 Q6610
Q6605

Q6618

Q6604 Q6611
Q6619 Q6608Q6638
Q6641 Q6612
Q6644 Q6607

Q6647 Q6630

IC6603 IC6602
Q6639 Q6631
Q6645

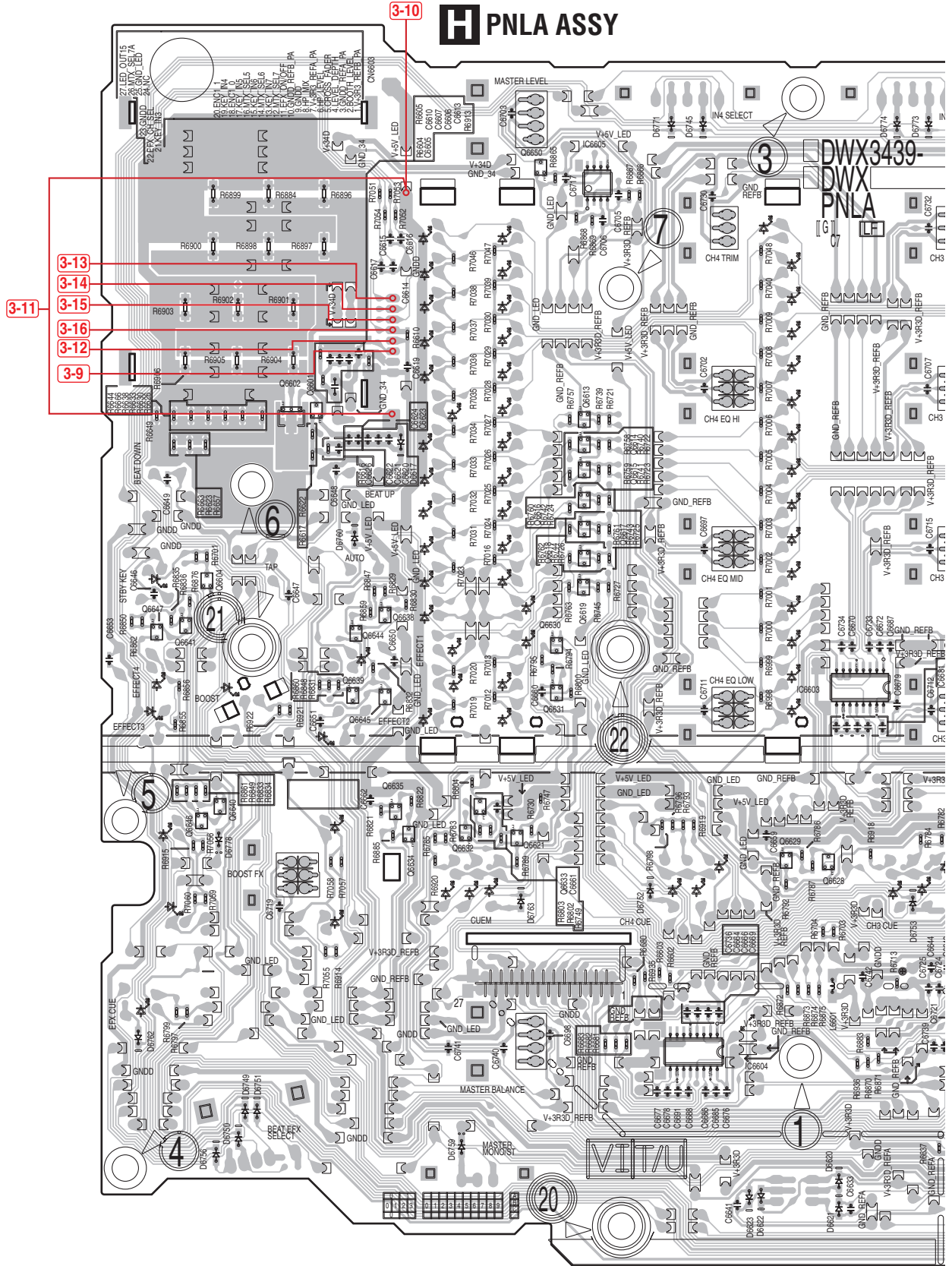
Q6640 Q6633 Q6622

Q6646 Q6632
Q6634 Q6621Q6629 Q6628
Q6636 Q6637

IC6601

IC6604

PNLA ASSY



CN6603

CN6609

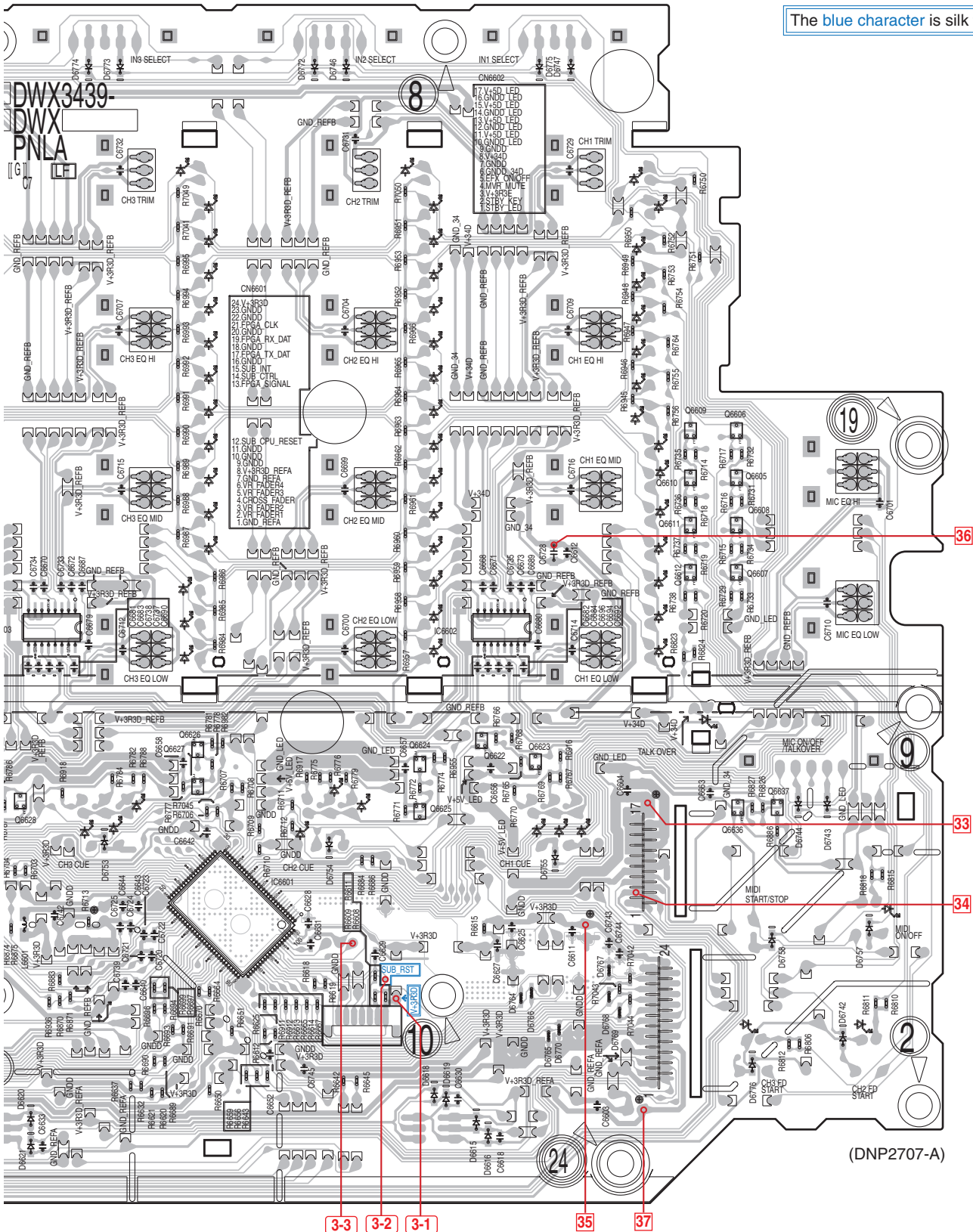
CN6612

DJM-750-K



- : Voltage measuring point
- : Waveform measuring point

The blue character is silk for services.



:N6612

CN6610 CN6611

CN6602

CN6601

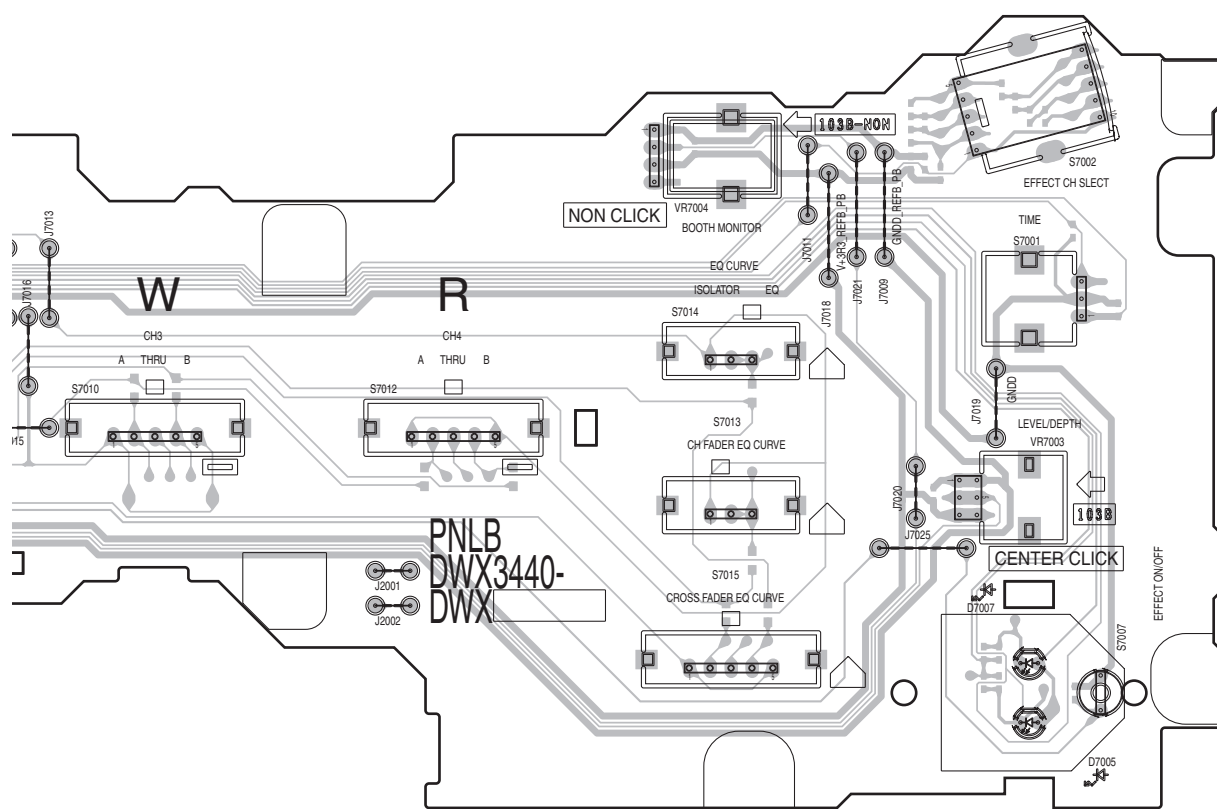
DJM-750-K

SIDE A

A

VR7004

VR7003



(DNP2708-B)

SIDE B

A

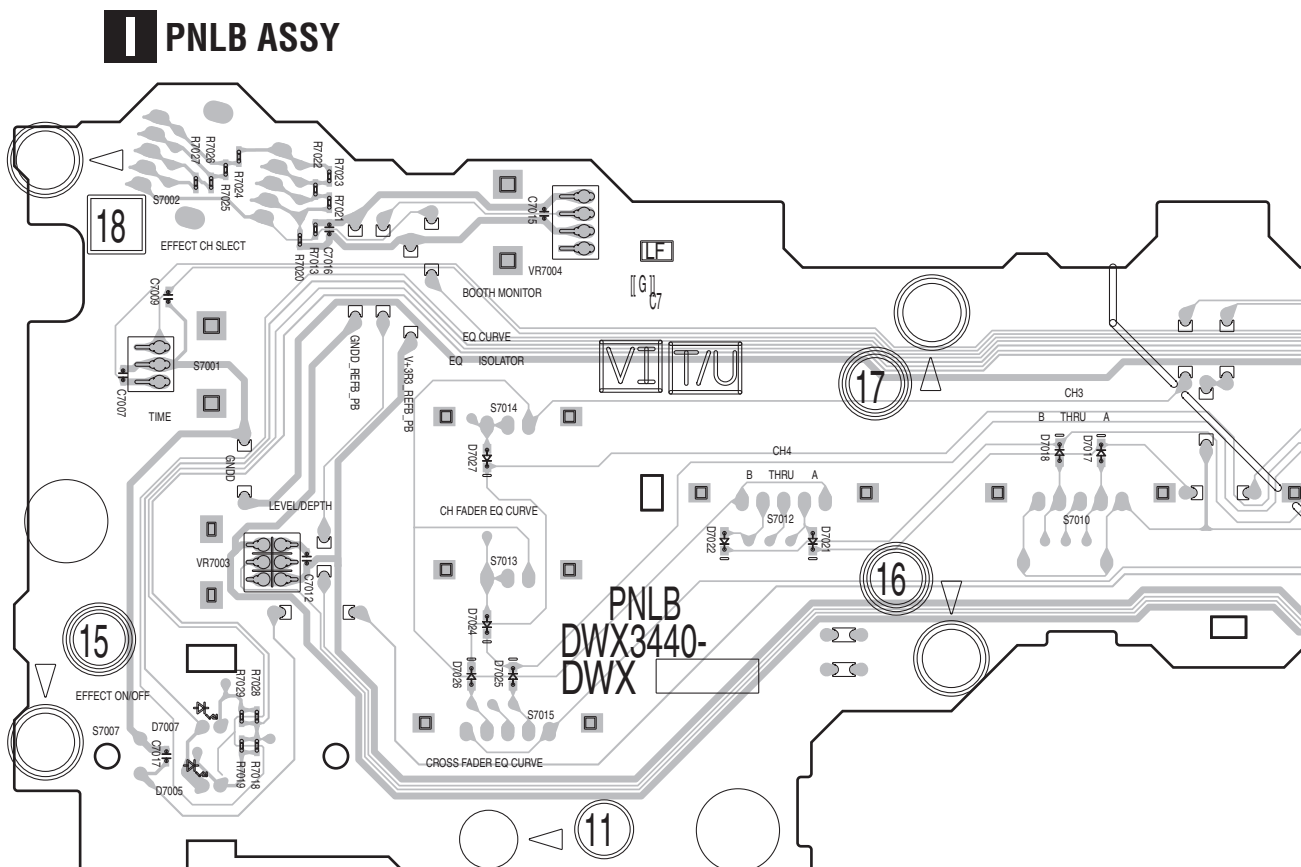
B

C

D

E

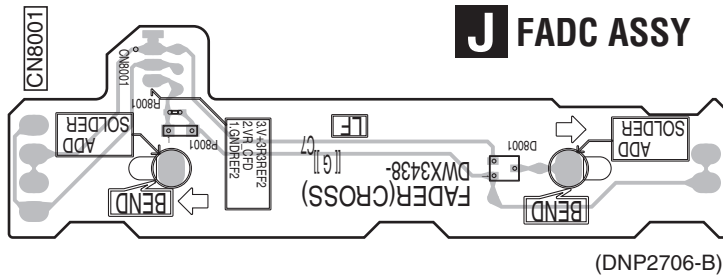
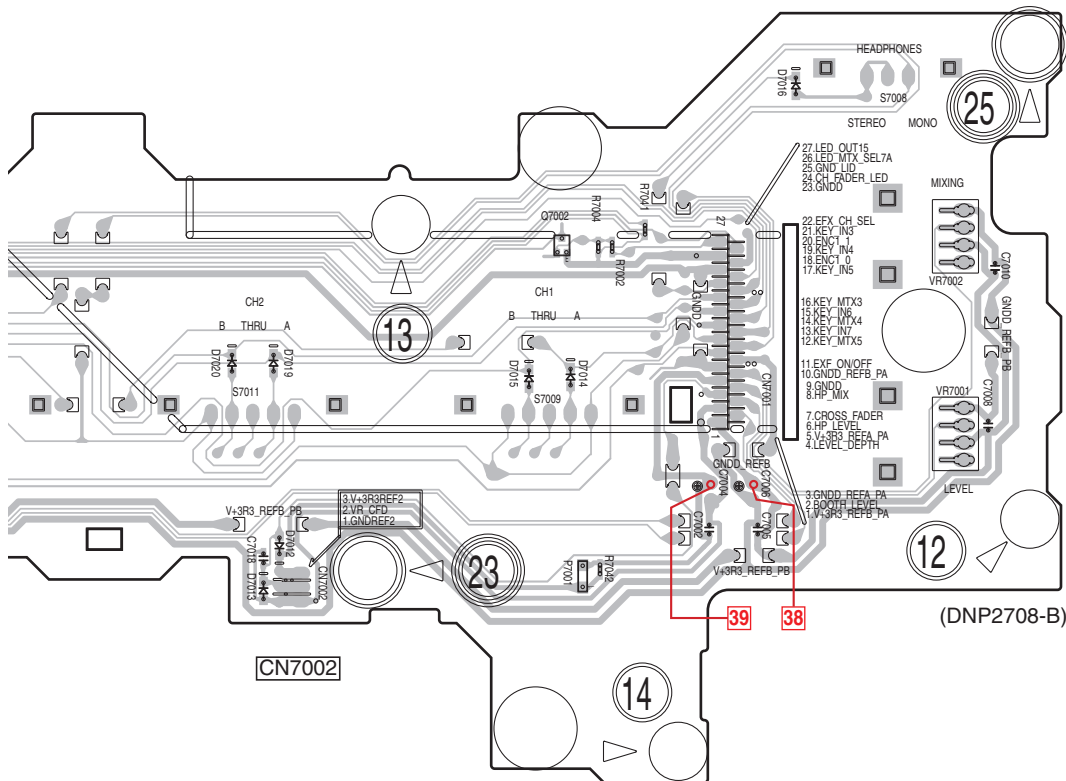
F



SIDE B

- : Voltage measuring point
 ○ : Waveform measuring point

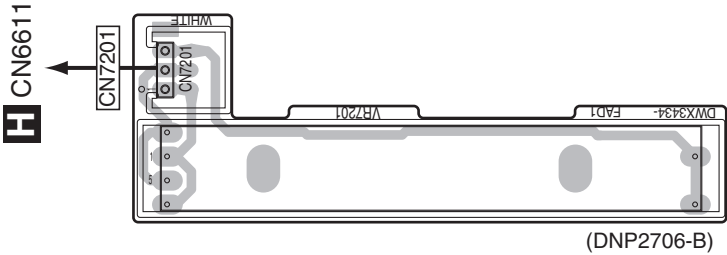
Q7002



SIDE A

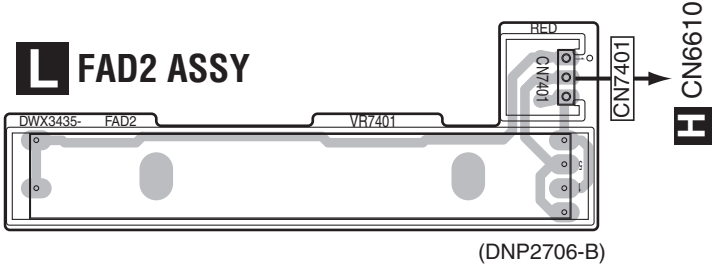
A

K FAD1 ASSY



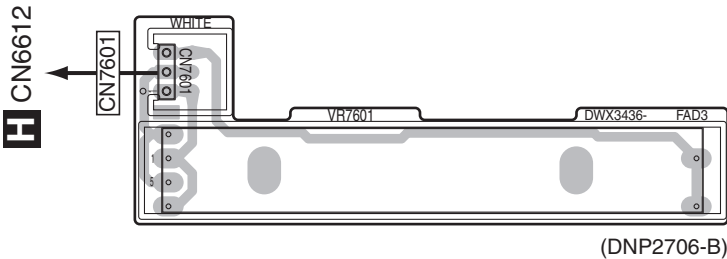
B

L FAD2 ASSY



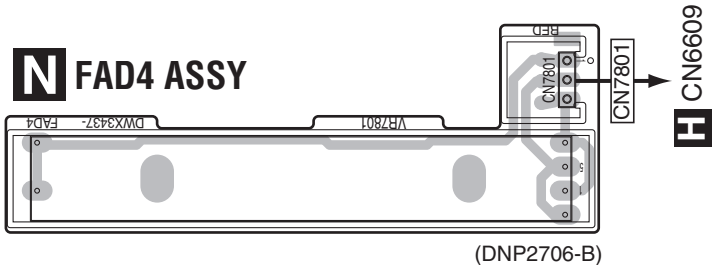
C

M FAD3 ASSY



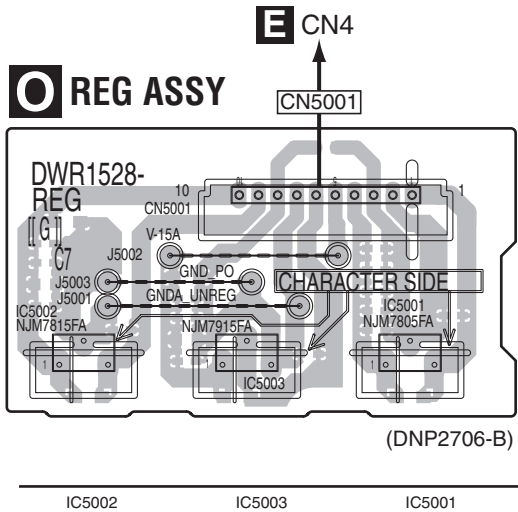
D

N FAD4 ASSY



F

O REG ASSY

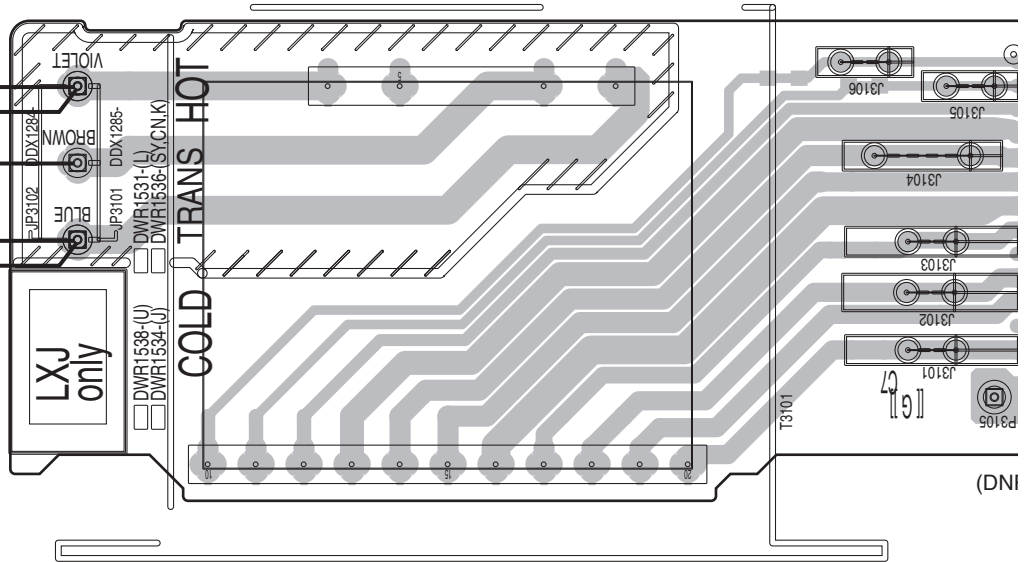


11.7 TRANS, PRIMARY and ACSW ASSYS

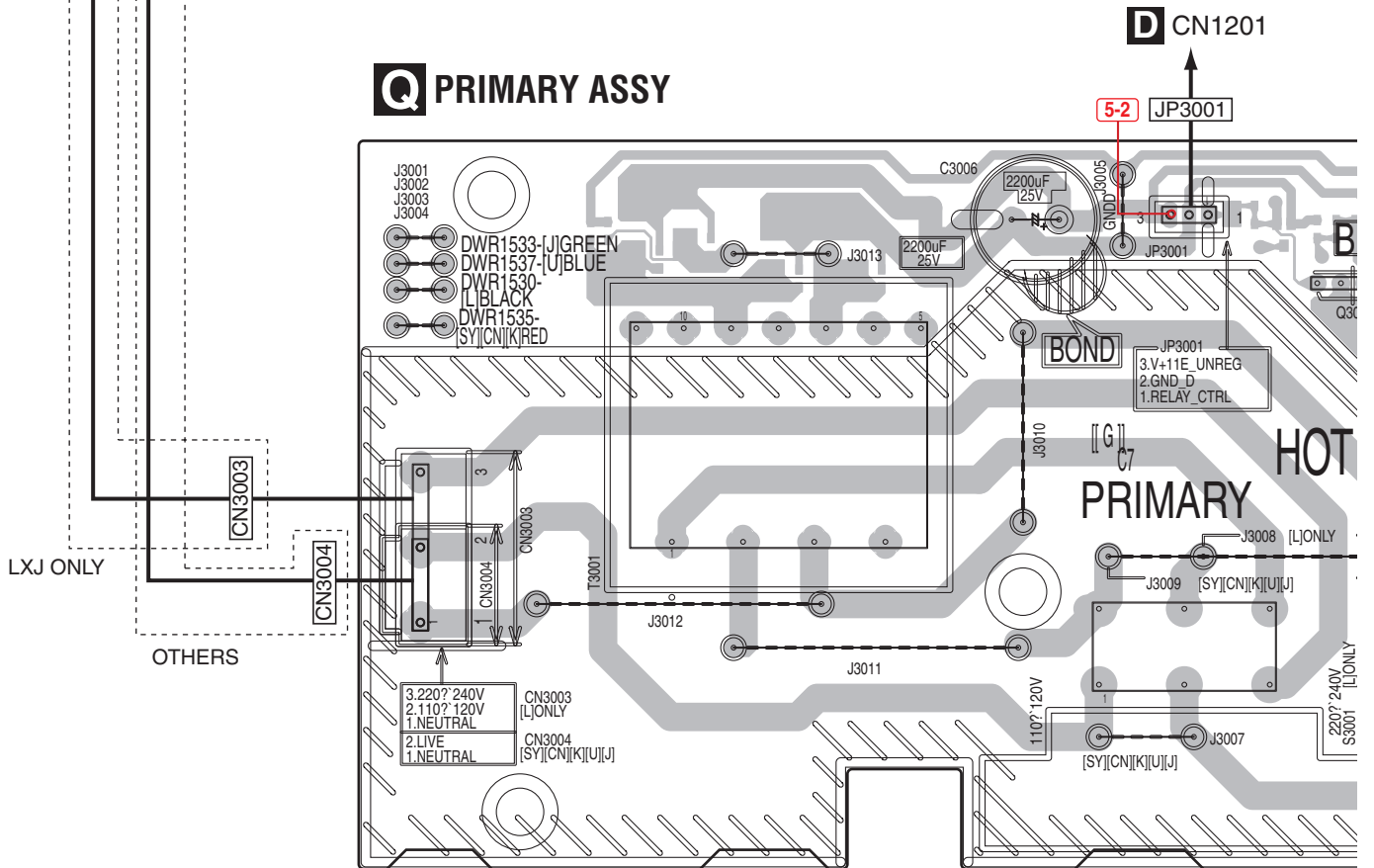
SIDE A

P TRANS ASSY

- : Voltage measuring point
- : Waveform measuring point



Q PRIMARY ASSY



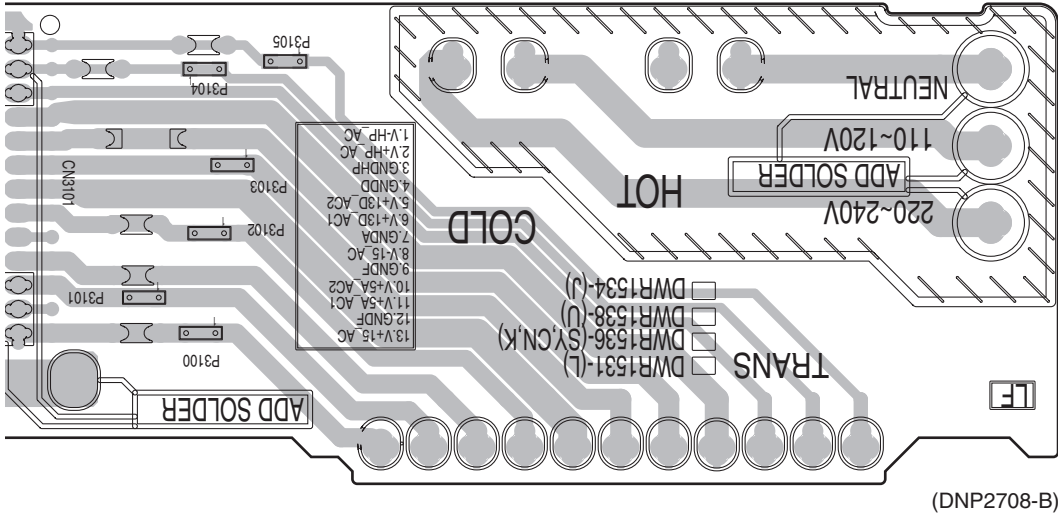
P Q

A

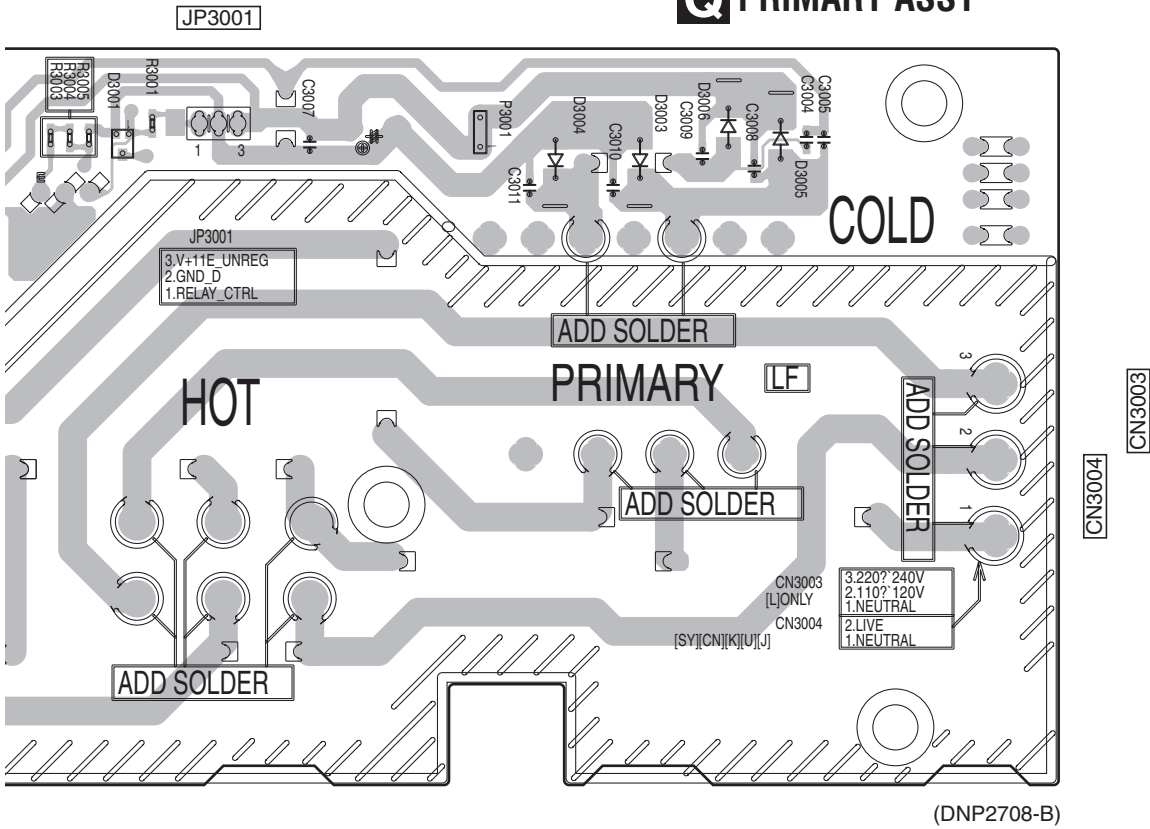


P TRANS ASSY

SIDE B



Q PRIMARY ASSY



P Q

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    J
47 kΩ → 47 × 10³ → 473 RD1/4PU    J
0.5 Ω → R50 RN2H    K
1 Ω → 1R0 RS1P    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     F

- Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
LIST OF ASSEMBLIES				NSP	1..SUB ASSY (SYXJ8, KXJ5, XJCN5)	DWM2492	
NSP	1..MOTHER ASSY	DWM2488		NSP	1..SUB ASSY (UXJCB)	DWM2493	
	2..MAIN ASSY	DWX3430		NSP	1..SUB ASSY (LXJ)	DWM2490	
	2..USB1 ASSY	DWX3431			2..ACSW ASSY	DWR1532	
					2..PRIMARY ASSY (SYXJ8, KXJ5, XJCN5)	DWR1535	
NSP	1..AUDIO ASSY	DWM2489			2..PRIMARY ASSY (UXJCB)	DWR1537	
	2..REG ASSY	DWR1528			2..PRIMARY ASSY (LXJ)	DWR1530	
	2..SEC/HP ASSY	DWR1529			2..TRANS ASSY (SYXJ8, KXJ5, XJCN5)	DWR1536	
	2..INPUT ASSY	DWX3432			2..TRANS ASSY (UXJCB)	DWR1538	
	2..HPJK ASSY	DWX3433			2..TRANS ASSY (LXJ)	DWR1531	
	2..FAD1 ASSY	DWX3434			2..PNLB ASSY	DWX3440	
	2..FAD2 ASSY	DWX3435			2..MIC1 ASSY	DWX3441	
	2..FAD3 ASSY	DWX3436			2..MTRM ASSY	DWX3442	
	2..FAD4 ASSY	DWX3437			2..SHADE1 ASSY	DWX3479	
	2..FADC ASSY	DWX3438			2..SHADE2 ASSY	DWX3483	
					1..PNLA ASSY	DWX3439	

CONTRAST OF PCB ASSEMBLIES

P TRANS ASSY

DWR1536, DWR1538 and DWR1531 are constructed the same except for the following:

Mark	Symbol and Description	DWR1536	DWR1538	DWR1531
	JP3102 Board in jumper/2P	DDX1284	DDX1284	Not used
	JP3101 Board in jumper/3P	Not used	Not used	DDX1285

Q PRIMARY ASSY

DWR1535, DWR1537 and DWR1530 are constructed the same except for the following:

Mark	Symbol and Description	DWR1535	DWR1537	DWR1530
	T3001 Transformer	DTT1245	DTT1255	DTT1242
	S3001 Voltage selector	Not used	Not used	AKX7020
	CN3004 Connector	B2P3-VH	B2P3-VH	Not used
	CN3003 Connector (VH)	Not used	Not used	B3P5-VH

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
PARTS LIST (DJM-750-K/SYXJ8)				IC	4401	NJM4565MD	
INPUT ASSY				IC	4601	NJM4580MD	
SEMICONDUCTORS				Q	4001-4004,4201-4204	2SK209	
	IC 4001,4201	NJM4580D		Q	4005,4006,4205,4206	LTC114EUB	
	IC 4002-4005,4202-4205	NJM2121MD		Q	4602,4603	2SK209	

Mark	No.	Description	Part No.
<u>MISCELLANEOUS</u>			
	JA 4001,4002,4201,4202	JACK	DKB1083
	JA 4401	6.5 DIA JACK	DKN1654
	JA 4402	6.5 DIA JACK	DKN1652
	KN4601	SCREW PLATE	VNE1948
	CN4601,4602	CONNECTOR	CKS3561
	CN4801	L-PLUG(4P)	KM200NA4L
	CN4802	25P CONNECTOR	VKN1868
	CN4803	22P CONNECTOR	VKN1865

RESISTORS

R 4003-4010,4205-4212	RN1/16SE1000D
R 4017-4024,4219-4226	RN1/16SE4702D
R 4025,4027,4029,4030	RN1/16SE1501D
R 4026,4028,4228,4230	RN1/16SE2401D
R 4033,4035,4235,4237	RS1/0SR1500D

R 4037,4038,4239,4240	RN1/16SE8201D
R 4041,4042,4243,4244	RN1/16SE1003D
R 4043-4046,4227,4229	RN1/16SE1501D
R 4047-4050,4249-4252	RN1/16SE1201D
R 4055,4257	RS1/8SQ0R0J

R 4058,4059,4062-4065	RN1/16SE1001D
R 4231,4232,4245-4248	RN1/16SE1501D
R 4258-4263	RN1/16SE1001D
R 4405,4406	RS1/10SR3302D
R 4409 4410	RS1/10SR1602D

R 4609,4610,4633,4638	RN1/16SE2200D
R 4612,4613	RN1/16SE1002D
R 4615,4625	RN1/16SE1202D
R 4618,4622	RN1/16SE4701D
R 4619,4621	RN1/16SE1501D

R 4620	RN1/16SE8200D
R 4623	RN1/16SE1500D
R 4630,4632	RN1/16SE3900D
R 4639	RN1/16SE2200D
Other Resistors	RS1/10SR###J

CAPACITORS

C 4001-4008,4201-4208	CCSRCH102J50
C 4009-4016,4209-4216	CCSRCH101J50
C 4017,4018,4217,4218	CCSRCH471J50
C 4019,4020,4219,4220	CKSRYB223K50
C 4021,4023,4221,4223	CCSRCH331J50

C 4022,4024,4222,4224	CEAT221M10
C 4026,4028,4226,4228	CFLTA103J50
C 4029,4030,4033-4036	CKSRYB104K25
C 4031,4032,4231,4232	CEAT101M16
C 4037,4040,4043,4044	CEAT101M25

C 4038,4039,4041,4042	CKSRYB104K25
C 4045,4046,4245,4246	CKSRYB104K16
C 4229,4230,4233-4236	CKSRYB104K25
C 4237,4240,4243,4244	CEAT101M25
C 4238,4239,4241,4242	CKSRYB104K25

C 4401,4402,4625,4626	CCSRCH101J50
C 4403,4404	CCSRCH102J50
C 4405,4408,4801,4802	CEAT101M25
C 4406,4407,4611,4805	CKSRYP103K50
C 4409	CFTLA103J50

C 4605	CKSRYB471K50
C 4607,4613	CCSRCH471J50
C 4612	CKSRYB331K50
C 4614,4615	CKSRYB104K25

<u>Mark</u>	<u>No.</u>	<u>Description</u>	<u>Part No.</u>
C	4617,4618		CEAT101M16
C	4630,4803,4804		CKSQYB105K25
C	4806		CKSRYB103K50

B

MIC1 ASSY

SEMICONDUCTORS

D 9001-9004

D72J150M0

B MIC1 ASSY
SEMICONDUCTORS

D 9001-9004 DZ2J150M0

MISCELLANEOUS

JA 9001	CANON CONNECTOR	DKB1108
CN9001	PLUG	CKS3533
0	MIC SHIELD	DNF1849

RESISTORS

All Resistors BS1/10SB###I

MISCELLANEOUS

VA 9001 9002 VARISTORS EZ.I71V270BM

CAPACITORS

C 9001,9002	CFTLA103J50
C 9009	CKSQYB105K25

C MTRM ASSY
MISCELLANEOUS

VR 8801	ROTARY VR	DCS1123
CN 8801	PLUG	CKS3533

D MAIN ASSY
SEMICONDUCTORS

IC 201	PCM1691DCA
IC 301,302,402,501	NJM4580MD
IC 303,304	NJM4580D
IC 401,602,1603,1803	NJM4565MD
IC 601	AK4384ET

	IC 1001	AK4382AVT
⚠	IC 1401	NJM2831F33
⚠	IC 1402	S-1132B33-U5
⚠	IC 1403	NJM2392M
⚠	IC 1404	BD9325FJ

	IC 1405,1408	BD9328EFJ
	IC 1406	NJM2878F3-33
	IC 1407	S-1132B25-U5
	IC 1601,1602,1801,1802	NJM4580MD
	IC 1604,1804,2004,2204	PCM1804DB

IC 2001,2002,2201,2202	NJM4580MD
IC 2003,2203	NJM4565MD
IC 2401	AK5358AET
IC 2402	AK5359ET
IC 2603	ADSP-BF525BBCZ-5A

IC 2604	M12L64164A-5TG2Y
IC 2801	S-80927CNMC-G8X
IC 2802	DYW1828
IC 2803	DYW1827
IC 2804,3004-3006,3204	TC74VHC08FK

IC 3007	XC3S50A-4FTG256C
IC 3008	DYW1829
IC 3201	D810K013DZKB400

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

5TG2A	IC 3202	M12L2561616A-
	IC 3205	TC7SG08FU
	IC 3405	AK4114VQ
	Q 201,203,208,209	LTC024EEB
	Q 202,1403,1404	LSCR523UB
	Q 204,205,1402	LSAR523UB
A	Q 214,215,1401,1405	LTC024EEB

■	Q 305-308,405-408	INC2002AC1
	Q 403,404,501,502	2SK209
	Q 503,504,603,604	INC2002AC1
	Q 601,602	2SK209
	Q 701,702,1406,2804	LTA024EEB

B	Q 703-710	INC2002AC1
	Q 1201,1202,1206	HN1A01FU
	Q 1207	HN1B04FU
	Q 1208	LTC114YUB
	Q 2802,2803,3402,3403	LTC024EEB

■	Q 3401	2SC2412K
	D 201-204,302-305	DZ2S180C
	D 301,502,1202	DA2J101
	D 1201,1204,1205	DAN202UM
	D 1203	1SR154-400

C	△ D 1403	RB160L-40
	△ D 1406	CMS03
	D 2402-2404	DAN217UM

MISCELLANEOUS

■	L 201 FERRITE CORE	VTF1093
	L 1401 INDUCTOR (470 uH)	DTL1123
	L 1402,1403 POWER INDUCTOR (47 uH)	ATH7048
	L 1404 SMD SPL INDUCTOR (33 uH)	CTH1527
	L 2601 COIL	ATH7015

D	L 2801 CHIP COIL	LCTAW330J2520
	L 3201 SMD FERRITE BEADS	CTF1823
	F 2601,3001,3201 EMI FILTER	DTL1106
	JA 202,203 STEREO MINI JACK	XKN3017
	JA 301,302 CANON CONNECTOR	DKB1093

■	JA 401 JACK	DKB1083
	JA 501 PIN JACK(2P)	AKB7181
	JA 601,602 6.5 DIA JACK	DKN1652
	JA 3401 1P JACK	DKB1089
	KN201 SCREW PLATE	VNE1948

E	KN 1201-1206 WRAPPING TERMINAL	CKF1089
	X 2601 CRYSTAL(24 MHz)	DSS1203
	X 2801 RESONATOR (20 MHz)	CSS1795
	X 3202 CRYSTAL OSCILLATOR (24.576 MHz)	ASS7102
	CN 1001 24P CONNECTOR	VKN1428

■	CN 1002 17P CONNECTOR	VKN1421
	CN 1003 25P CONNECTOR	VKN1429
	CN 1004 22P CONNECTOR	VKN1426
	CN 1005 19P RECEPTACLE	AKP7199
	CN 1201 CONNECTOR	AKM1274

F	CN 2602 CONNECTOR	AKM1276
	0 CANON SHIELD	DNF1789
	0 PHONE SHIELD	DNF1875
	P 301,302 PROTECTOR(1A) (1 A)	AEK1073

RESISTORS

■	R 214,1075,1085,2657	RS1/10SR0R0J
	R 301-308,501,512	RN1/16SE3301D

R	309-316,325-332	RN1/16SE2402D
	317-324,503,514	RN1/16SE3001D
	333-340	RN1/16SE2701D
R	341-344,403,404	RN1/16SE1002D
	345-352	RN1/16SE5601D
	354-361	RN1/16SE6801D
	362-365,419,422	DCN1200
	367,368,371,372	RN1/16SE2201D

R	401,402,1439	RS1/16SS3301D
	405,406,409,410	RS1/16SS2202D
	407,408,1231	RS1/16SS2701D
	413,414	RS1/16SS2401D
	420,421	RN1/16SE1202D

R	423,424	RN1/16SE3302D
	425,426	RS1/10SR100J
	427,428,505,517	DCN1200
	502,504,513,515	RN1/16SE6202D
	516,519	RN1/16SE3001D

R	611,612	RS1/10SR3301D
	613,614,617,618	RS1/10SR2702D
	615,616	RS1/10SR3001D
	619,620	RS1/10SR2701D
	621,622	RS1/4SA331J

R	627,628	RS1/10SR104J
	701-708,713-720	RS1/8SQ1800F
	725-728	RS1/8SQ2200F
	1019,2412,2413,2634	RAB4CQ103J
	1205	RS1/16SS1602D

R	1206	RS1/16SS4302D
	1210,1239	RS1/16SS4702D
	1211	RS1/16SS6202D
	1213,1428,1431,1440	RS1/16SS1002D
	1214	RS1/16SS1001D

R	1215	RS1/16SS2000D
	1216	RS1/16SS8200D
	1233,1240,1245	RS1/16SS3302D
	1234,1429	RS1/16SS4701D
	1235	RS1/16SS2402D

R	1236,1430	RS1/16SS2202D
	1242,1253	RS1/16SS1003D
	1244	RS1/16SS1202D
	1247	RS1/16SS6201D
	1248	RS1/16SS7500D

R	1252	RS1/16SS8202D
	1254,1255	RS1/4SA2R0J
	1403	RS1/10SR152J
	1404,1405	RS1/8SQ1R5J
	1407	RS1/10SR3902D

R	1408	RS1/10SR1501D
	1412,1413,1435	RS1/10SR220J
	1415	RS1/10SR183J
	1421-1425	RS1/10SR153J
	1426	RS1/16SS7501D

R	1427	RS1/16SS3902D
	1438	RS1/16SS2200D
	1601-1608,1801-1808	RN1/16SE1002D
	1609-1612,1809-1812	RN1/16SE1201D
	1613-1616,1813-1816	RN1/16SE2200D

R	1617-1628,1817-1828	RN1/16SE2401D
---	---------------------	---------------

5		6		7		8	
Mark	No. Description	Part No.	Mark	No. Description	Part No.		
R	2001-2008,2201-2208	RN1/16SE1002D	C	511,512	CCSRCH681J50		
R	2009-2012,2209-2212	RN1/16SE1201D	C	518,616,619,1008	CKSRYB104K25		
R	2013-2016,2213-2216	RN1/16SE2200D	C	606,1002,1006,1020	CKSSYB103K16	A	
R	2017-2028,2217-2228	RN1/16SE2401D	C	607,1004,1424-1427	DCH1201		
			C	610,611	CCSQCH562J50		
R	2407,2411,2668	RS1/8SQ0R0J	C	612,613	CCSRCH102J50		
R	2627-2632,3217-3219	RAB4CQ820J	C	614,617	CKSRYB334K10		
R	2642-2645,3202,3203	RAB4CQ680J	C	615,621,1211,1404	CCG1236		
R	2647-2650,2652,2660	RAB4CQ470J	C	618,620	CCSSCH560J50		
R	2664-2666,3224,3225	RAB4CQ470J	C	622,623,1005,1201	CKSSYB102K50		
R	2808,2861,2862,2870	RS1/10SR0R0J	C	624,625,2603,3020	CEVW101M16		
R	2818	RAB4CQ222J	C	626,627	CFHXSQ272J50		
R	2824,2835,2871,3038	RAB4CQ220J	C	628,3204	CEVW101M4	B	
R	2827,2845,2850,2863	RAB4CQ0R0J	C	1003,1009-1011,1202	CKSSYB104K10		
R	2843	RAB4CQ103J	C	1007	CEVW221M25		
R	2864	RAB4CQ0R0J	C	1012,1216,1461	CKSRYB104K50		
R	3039	RAB4CQ220J	C	1205,1208,1410,1411	CCSSCH102J50		
R	3042,3046,3050,3063	RAB4CQ330J	C	1209,1406,1450,1452	CKSRYB104K25		
R	3057,3264,3265	RAB4CQ101J	C	1210,1229-1232,1627	CKSSYB102K50		
R	3093-3096,3201,3204	RAB4CQ330J	C	1214,1217-1228,1402	CKSSYB104K10		
R	3205,3206	RAB4CQ680J	C	1215,1233-1242,1632	CKSSYB103K16		
R	3207,3208,3211,3212	RAB4CQ330J	C	1403,1617,1618,1817	CEVW101M25		
R	3216	RAB4CQ330J	C	1407,1418,1419,1422	CKSSYB104K10		
R	3221-3223	RAB4CQ820J	C	1408,1409,1438,2801	CKSRYB105K10	C	
R	3226,3230	RS1/10SR0R0J	C	1413,1415,1434	CCG1236		
R	3228,3229	RAB4CQ470J	C	1416	CEVW101M50		
R	3240	RAB4CQ102J	C	1417,1430,1431,1439	CCSSCH102J50		
R	3423	RN1/16SE1802D	C	1420	CKSSYB223K16		
R	3432	RS1/10SR680J	C	1421	CKSSYB333K16		
Other Resistors		RS1/16SS###J	C	1423,1428,1429,1436	CKSSYB104K10		
CAPACITORS			C	1432,1433,1449,3035	CCH1565		
C	202,1621,1821,2019	CCH1998	C	1435,1441,1445,1446	DCH1201		
C	203,222,231,233	CKSSYB104K10	C	1437,1440,1442-1444	CKSSYB104K10		
C	204,209,214,217	CKSSYB102K50	C	1447,1620,1622,1623	CKSSYB104K10		
C	206,211,212,601	CKSSYB103K16	C	1448,1451,1453,1455	CCSSCH102J50	D	
C	208,1203,1207,1212	CKSSYB103K25	C	1454,1456,1605-1608	CKSRYB104K25		
C	213,216,219,1019	CKSRYB105K10	C	1457,2636	CCSSCH102J50		
C	215	CEVW221M4	C	1613-1616,1813-1816	CCSSCH101J50		
C	218,220,401,402	CEVW220M6R3	C	1624,1631,1824,1831	CKSSYB272K50		
C	236,238,603,1001	CKSSYB104K10	C	1625,1630,1633,1634	CKSSYB104K10		
C	249,415,416,605	CKSSYB102K50	C	1626,1629,1635,1826	CEVW220M6R3		
C	301-304	CCSRCH222J50	C	1628,1636,1827,1828	CKSSYB102K50		
C	305-308	CCSRCH471J50	C	1637,1832,1836,2030	CKSSYB103K16		
C	309-316,413,414	CCSSCH560J50	C	1805-1808,2005-2008	CKSRYB104K25		
C	317,321,335,348	CEHVAW101M25	C	1818	CEVW101M25		
C	318-320,322,337	CKSRYB104K25	C	1820,1822,1823,1825	CKSSYB104K10	E	
C	338,339,344,345	CCSSCH101J50	C	1829,1835,2024,2027	CEVW220M6R3		
C	340,343,346,409	CKSRYB104K25	C	1830,1833,1834,2018	CKSSYB104K10		
C	349-352,1405	CCSSCH101J50	C	1837,2025,2026,2034	CKSSYB102K50		
C	355-358	XCEAT221M16	C	2013-2016,2213-2216	CCSSCH101J50		
C	359-362,427-430	CFHXSQ472J16	C	2020,2021,2023,2028	CKSSYB104K10		
C	403,404,502,514	CCSQCH472J50	C	2022,2029,2222,2229	CKSSYB272K50		
C	405,406,503,515	CCSRCH821J50	C	2031,2032,2218,2220	CKSSYB104K10		
C	407,408,505,517	CKSRYB334K10	C	2033,2224,2227,2233	CEVW220M6R3		
C	410,412,417,422	CCG1236	C	2035,2230,2235,2419	CKSSYB103K16		
C	411,419,420,507	CKSRYB104K25	C	2205-2208	CKSRYB104K25	F	
C	423-426,508,520	CEVW101M16	C	2219	CCH1998		
C	501,513,608,609	CEVW220M6R3	C	2221,2223,2228,2231	CKSSYB104K10		
C	504,516	CCSSCH220J50	C	2225,2226,2234,2418	CKSSYB102K50		
C	506,519	CEVW470M25					
C	509,521	CFHXSQ472J16					

Mark	No.	Description	Part No.
A	C	2232,2406,2407,2412	CKSSYB104K10
	C	2401,2402,2404	CEVW330M25
	C	2405,2408,2410,2411	DCH1201
	C	2413,2416,2417,2601	CKSSYB104K10
	C	2414,2415,2605,2606	DCH1201
B	C	2421,2423,2424,2633	CKSSYB103K16
	C	2422,2615,2617,2621	CKSSYB102K50
	C	2602,2607,2608,2616	CKSSYB104K10
	C	2609,2610,2819-2823	CKSSYB471K50
	C	2614,2619,2808,3021	DCH1201
C	C	2618	CCSSCH120J50
	C	2620,2622,2624,2626	CKSSYB104K10
	C	2623,2625,2627,2629	CKSSYB102K50
	C	2628,2630,2632,2635	CKSSYB104K10
	C	2631	CCSSCH100D50
D	C	2634,2671,2814,2815	CKSSYB102K50
	C	2637,2639,2642,2643	CKSSYB104K10
	C	2638,2640,2644,2646	CKSSYB103K16
	C	2641,2645,3010-3012	CCSSCH101J50
	C	2647,2649,2810-2812	CKSSYB104K10
E	C	2648,2653-2657,2661	CKSSYB103K16
	C	2662,2670,2802,2813	CKSSYB103K16
	C	2804,2805	CCSSCH6R0D50
	C	2809	CKSRYB105K10
	C	2817,3014,3016,3018	CKSSYB102K50
F	C	2829,2831,2833,3013	CKSSYB104K10
	C	3015,3017,3019	CKSSYB104K10
	C	3022-3034,3037-3043	CKSSYB104K10
	C	3036,3242,3408,3409	DCH1201
	C	3044,3209-3211,3213	CKSSYB103K16
G	C	3201,3202,3205,3206	CKSSYB104K10
	C	3203	CEVW470M6R3
	C	3207,3208	CKSSYB471K50
	C	3212,3214,3216,3218	CKSSYB102K50
	C	3215,3217,3219,3221	CKSSYB103K16
H	C	3220,3222,3224,3226	CKSSYB102K50
	C	3223,3225,3227,3229	CKSSYB103K16
	C	3228,3230,3232,3234	CKSSYB102K50
	C	3231,3233,3235,3237	CKSSYB103K16
	C	3236,3251,3257	CKSSYB102K50
I	C	3238,3250,3255	CCSSCH101J50
	C	3239,3243-3249,3258	CKSSYB103K16
	C	3240	CKSSYB105K6R3
	C	3252,3256,3260,3261	CKSSYB104K10
	C	3262-3264,3405,3412	CKSSYB103K16
J	C	3404,3406,3407,3411	CKSSYB104K10
	C	3410	CKSSYB474K6R3
	C	3413,3414,3418	CKSSYB104K10
	C	3415,3417 (10 uF/10 V)	DCH1201
	C	3416	CKSSYB103K16

Mark	No.	Description	Part No.
K	Q	105,107	KTC3209
	Q	106,108	KTA1281
	D	1,2	RB060L-40
	D	3,4,7,8	RB160L-40
	D	5,6,9,10	1SR154-400
L	D	11,12	RB160L-40

MISCELLANEOUS

KN 1,2,101	EARTH TERMINAL	AKF7002
CN 1	CONNECTOR	B13B-EH
CN 2,101	PLUG(4P)	KM200NA4
CN 3	19P PLUG	AKM7077
CN 4	10PJUMPER CONNECTOR	52147-1010

⚠	P 101	POLYSWITCH	RXEF075P
---	-------	------------	----------

RESISTORS

R	1,2	RS1/4SA3R9J
R	4	RS1/10SR1102D
R	5	RS1/10SR1302D
R	27,28,136,138	RS1/8SQ0R0J
R	101-104	RN1/16SE3901D
R	105-108	RN1/16SE1502D
R	109-112	RN1/16SE3301D
R	114,115	RN1/16SE5601D
R	120,121	RN1/16SE3001D
R	126,127	RD1/2VM471J
R	128,129	RN1/16SE1001D
R	130-133	RS2LMF330J
R	139,141	RS1/8SQ0R0J
Other Resistors		RS1/10SR###J

CAPACITORS

C	1-11	CKSRYB473K50
C	13-15,17-23	CCSRCH102J50
C	24	CEAT682M16
C	25	CEAT682M25
C	27,29,37,38	CKSRYB103K50
C	28,107,108,115	CKSRYB104K25
C	30	CKSRYB102K50
C	31,32	CEAT332M35
C	35,36	CEAT102M25
C	45,46,49,51	CKSRYB103K50
C	47,48	ACH1480
C	50	CEHAZL101M10
C	52	CKSRYB103K50
C	56-58	CFTLA474J50
C	101,102,112,113	CCSRCH471J50
C	103-106	CCSRCH101J50
C	109,110	CEAT101M16
C	114,117	CEAT100M50
C	116	CKSRYB104K25
C	120,125	DCH1165
C	121-124	CKSRYB104K16
C	126,127	CEANP221M16

F USBI ASSY

MISCELLANEOUS

JA 9201	HEADPHONE JACK	DKN1622
CN 9201	L-PLUG(4P)	KM200NA4L
0	PHONE SHIELD	DNF1875

E SEC/HP ASSY

SEMICONDUCTORS

IC 1	S-80927CNMC-G8X
IC 101	NJM4565MD
IC 102	NJM4580D
Q 101,102	2SK209
Q 103,104	INC2002AC1

5	6	7	8
Mark No. Description	Part No.	Mark No. Description	Part No.
RESISTORS		VR6602 POTENTIOMETER	DCS1097
All Resistors	RS1/10SR###J	VR6603-6606 VARIABLE RESISTOR	DCS1100
CAPACITORS		VR6607 POTENTIOMETER	DCS1096
C 9203,9204	CKSRYB224K16	VR6608,6609 VARIABLE RESISTOR	DCS1100
C 9205	CFTLA103J50	VR6611-6614 VARIABLE RESISTOR	DCS1100
		VR6616-6618 VARIABLE RESISTOR	DCS1100
		VR6620 POTENTIOMETER	DCS1095
HPJK ASSY		VR6621-6624 ROTARY VR	DCS1104
MISCELLANEOUS		S 6601-6608,6617-6620 TACT SWITCH	DSG1079
JA 9201 HEADPHONE JACK	DKN1622	S 6612-6616 SLIDE SWITCH	DSH1058
CN9201 L-PLUG(4P)	KM200NA4L	S 6621 SLIDE SWITCH	DSH1066
0 PHONE SHIELD	DNF1875	S 6622 ROTARY ENCODER	DSX1068
RESISTORS		S 6623-6625,6627,6628 TACT SWITCH	DSG1079
All Resistors	RS1/10SR###J	S 6641,6642,6644 TACT SWITCH	DSG1079
CAPACITORS		X 6601 CERAMIC RESONATOR	DSS1180
C 9203,9204	CKSRYB224K16	CN6601 24P CONNECTOR	VKN1839
C 9205	CFTLA103J50	CN6602 17P CONNECTOR	VKN1248
		CN6603 27P CONNECTOR	VKN1842
		CN6609,6610 PLUG(3P)	KM200NA3R
		CN6611,6612 PLUG(3P)	KM200NA3
		0 FL HOLDER	DNF1869
PNLA ASSY		RESISTORS	
SEMICONDUCTORS		R 6616	RS1/10SR1202F
IC 6601	DYW1830	R 6617	RS1/10SR8201D
IC 6602-6604	TC74HC4052AF	R 6884,6896-6899	RS1/4SA100J
IC 6605	NJM2903M	R 6901-6905	RS1/4SA100J
Q 6601,6638-6641	LSAR523UB	Other Resistors	RS1/10SR###J
Q 6602	2SC5712		
Q 6604	LTA114EUB	CAPACITORS	
Q 6605-6618,6621	LSCR523UB	C 6601,6602,6608,6645	CEAT101M16
Q 6619	2SC4097	C 6603,6604,6611,6618	CKSRYB104K16
Q 6622,6624,6626,6628	LTC143EUB	C 6606,6622	CCSRCH102J50
Q 6623,6625,6627,6629	2SB1689	C 6607,6623,6629,6640	CKSRYB103K50
Q 6630,6632,6634,6636	LTC143EUB	C 6610,6612	CKSRYB104K50
Q 6631,6633,6635,6637	2SB1689	C 6614-6617	CCSRCH101J50
Q 6644-6647	LSAR523UB	C 6619,6624,6625,6628	CKSRYB104K16
Q 6650	LTA143EUB	C 6620,6621 (2.2 uF/10 V)	CCG1205
D 6615,6616,6618-6623	DA2J101	C 6626,6631,6643,6743	CKSRYB105K10
D 6624,6626,6627,6643	SLR-343VC(NPQ)	C 6627 (10 uF/10 V)	DCH1201
D 6625,6628-6631,6642	SLI-343YYW(TUV)	C 6630,6633,6641,6642	CKSRYB104K16
D 6632-6640,6649-6657	SLR-343MC(NPQ)	C 6656-6663,6676,6679	CKSRYB104K16
D 6644,6659,6660,6678	SLR-343VC(NPQ)	C 6664,6666,6668-6673	CKSRYB471K50
D 6645-6648,6661-6664	SLI-343YYW(TUV)	C 6680,6697-6707	CKSRYB104K16
D 6665-6673,6684-6692	SLR-343MC(NPQ)	C 6685-6692,6694,6696	CKSRYB471K50
D 6674,6675,6680-6683	SLI-343YYW(TUV)	C 6709-6712,6714-6717	CKSRYB104K16
D 6679,6696,6697,6711	SLR-343VC(NPQ)	C 6719,6729-6732,6745	CKSRYB104K16
D 6693,6694,6698-6701	SLI-343YYW(TUV)	C 6720-6725,6739,6744	CKSRYB103K50
D 6702-6710,6717-6725	SLR-343MC(NPQ)	C 6728 (1 uF/50 V)	CCG1255
D 6712,6735,6787	SLR-343VC(NPQ)	C 6733-6738	CKSRYB471K50
D 6713-6716,6727,6728	SLI-343YYW(TUV)		
D 6731	SLI-343YYW(TUV)	PNLB ASSY	
D 6736-6739	SLR343BC4T(JK)	SEMICONDUCTORS	
D 6740,6779-6781	SLI-343U8R(HJK)	Q 7002	LSCR523UB
D 6742-6747,6749-6760	DA2J101	D 7005,7007	SLI-343YYW(TUV)
D 6762,6763,6771-6776	DA2J101	D 7012-7022,7024-7027	DA2J101
D 6778	DA2J101		
MISCELLANEOUS		MISCELLANEOUS	
L 6601 CHIP COIL	LCTAW330J2520	VR7001,7004 POTENTIOMETER	DCS1096
V 6601 VFD	DEL1071	VR7002 POTENTIOMETER	DCS1097
VR6601 VARIABLE RESISTOR	DCS1100	VR7003 VARIABLE RESISTOR	DCS1100
		S 7001 12MM GS ENCODER	DSX1064

Mark	No.	Description	Part No.
A	S 7002	ROTARY SWITCH	DSG1098
	S 7007	TACT SWITCH	DSG1079
	S 7008,7013,7014	SLIDE SWITCH	DSH1066
	S 7009-7012,7015	SLIDE SWITCH	DSH1058
	CN 7001	27P CONNECTOR	VKN1842
	CN 7002	PLUG(3P)	KM200NA3E

RESISTORS

All Resistors

RS1/10SR###J

CAPACITORS

C 7002,7005,7008,7010
 C 7004,7006
 C 7007,7009
 C 7012,7015,7016,7018

CKSRYB104K16
 CEAT470M35
 CKSRYB103K50
 CKSRYB104K16

J FADC ASSY

MISCELLANEOUS

VR 8001 VARIABLE RESISTOR
 CN 8001 PLUG(3P)

DCV1006
 KM200NA3LE

RESISTORS

All Resistors

RS1/10SR###J

K FAD1 ASSY

MISCELLANEOUS

VR 7201 VARIABLE RESISTOR
 CN 7201 L-PLUG(3P)

DCV1020
 KM200NA3L

L FAD2 ASSY

MISCELLANEOUS

VR 7401 VARIABLE RESISTOR
 CN 7401 PLUG(3P)

DCV1020
 KM200NA3LR

M FAD3 ASSY

MISCELLANEOUS

VR 7601 VARIABLE RESISTOR
 CN 7601 L-PLUG(3P)

DCV1020
 KM200NA3L

N FAD4 ASSY

MISCELLANEOUS

VR 7801 VARIABLE RESISTOR
 CN 7801 PLUG(3P)

DCV1020
 KM200NA3LR

O REG ASSY

SEMICONDUCTORS

⚠ IC 5001
 ⚠ IC 5002
 ⚠ IC 5003
 D 5004,5005

NJM7805FA
 NJM7815FA
 NJM7915FA
 RB501VM-40

MISCELLANEOUS

CN 5001 10PJUMPER CONNECTOR

52147-1010

CAPACITORS

C 5001-5003,5010,5011
 C 5004

CKSRYB103K50
 CKSRYB104K16

Mark	No.	Description	Part No.
	C 5005,5006		CKSRYB104K25
	C 5007 (2.2 uF/10 V)		CCG1205
	C 5008,5009		CKSQYB105K25
	C 5013,5014,5016		CKSRYB102K50
	C 5015		CKSRYB103K50

P TRANS ASSY

RESISTORS

All Resistors

RS1/8SQ###J

MISCELLANEOUS

⚠ JP 3102 BOARD IN JUMPER/2P

DDX1284

CAPACITORS

C 3101-3104,3106,3107
 C 3110,3111

CKSRYB104K50
 CKSRYB104K50

Q PRIMARY ASSY

SEMICONDUCTORS

Q 3001
 D 3001
 D 3002
 ⚠ D 3003-3006

KTC3209
 DAN217UM
 DA2J101
 1SR154-400

MISCELLANEOUS

⚠ L 3001 FILTER
 H 3001,3002 FUSE CLIP
 KN 3001 EARTH TERMINAL
 ⚠ RY 3001 RELAY
 ⚠ T 3001 TRANSFORMER/CU

DTL1131
 AKR1004
 AKF7002
 ASR7029
 DTT1245

⚠ CN 3001 AC CODE SOCKET
 ⚠ CN 3002,3004 CONNECTOR
 JP 3001 CONNECTOR ASSY

RKP1751
 B2P3-VH
 PF03PG-Q07

RESISTORS

R 3002
 Other Resistors

RS1/10SR330J
 RS1/10SR####F

CAPACITORS

⚠ C 3001
 ⚠ C 3003
 C 3004,3005
 C 3006
 C 3007

ACE7027
 ACG7030
 CKSRYB473K50
 CEAT222M25
 CKSRYB103K50

R ACSW ASSY

MISCELLANEOUS

⚠ S 9401 SWITCH
 ⚠ O MASK
 ⚠ JP 9401 CONNECTOR ASSY 2P

DSA1037
 DEC3212
 DKP3847

CAPACITORS

⚠ C 9401

ACG7030