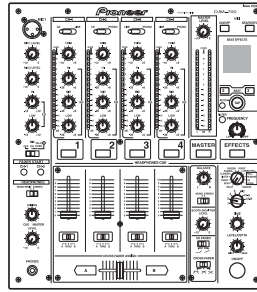


# Service Manual



DJM-700-S

ORDER NO.  
**RRV3644**

**DJ MIXER**

# DJM-700-S

# DJM-700-K

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

Model	Type	Power Requirement	Remarks
DJM-700-S	KUCXJ	AC 120 V	
DJM-700-K			
DJM-700-S	WYXJ5	AC 220 V to 240 V	
DJM-700-K			
DJM-700-S	RLXJ	AC 110 V to 120 V / AC 220 V to 240 V	
DJM-700-K			



For details, refer to "Important Check Points for good servicing".

# 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 contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65



## NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols  (fast operating fuse) and/or  (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

## REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible  (fusible de type rapide) et/ou  (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

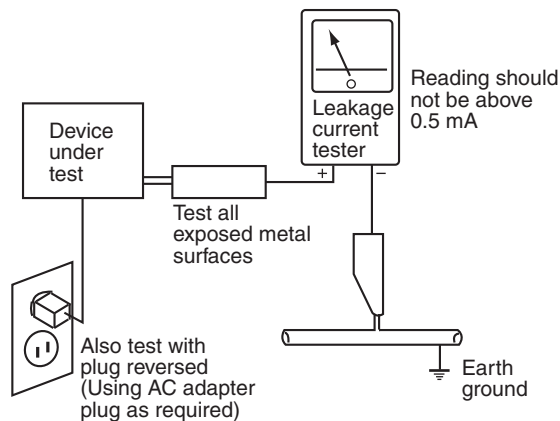
(FOR USA MODEL ONLY)

## 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 120V 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.

## [Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.  
Please be sure to confirm and follow these procedures.

### 1. Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

- ① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

- ② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification (addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

- ③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.  
Soldering should be finished with the proper quantity. (Refer to the example)

- ④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

- ⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

- ⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.  
In addition, be sure that there are no pinched wires, etc.

- ⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

- ⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.  
If you find a damaged power cord, please exchange it with a suitable one.

- ⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

- ⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.  
Please pay attention to your surroundings and repair safely.

### 2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.  
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

### 3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance.  
Make sure the proper amount is applied.

### 4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

### 5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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# 1. SERVICE PRECAUTIONS

## 1.1 NOTES ON SOLDERING

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

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.

2. SPECIFICATIONS

2.1 ACCESSORIES

● Accessories

- Operating Instructions (KUCXJ: DRB1426) (WYXJ5: DRB1425) (RLXJ: DRB1427)
- Warranty Card

2.2 SPECIFICATIONS

1 General

Power source.....	AC 120 V, 60 Hz
Power consumption .....	34 W
Operating temperature .....	+5 °C to +35 °C (+41 °F to +95 °F)
Operating humidity .....	5 % to 85 % (without condensation)
Weight .....	6.6 kg (14.6 lb)
Maximum dimensions .....	320 mm (W) x 378.4 mm(D) x 107.9 mm (H) 12.6 in (W) x 15.3 in (D) x 4.3 in (H)

2 Audio section

Sampling rate .....	96 kHz
A/D, D/A converter.....	24 bits
Frequency response	
LINE.....	20 Hz to 20 kHz
MIC .....	20 Hz to 20 kHz
PHONO .....	20 Hz to 20 kHz (RIAA)
S/N ratio (at rated output)	
LINE.....	104 dB
PHONO .....	94 dB
MIC .....	82 dB
Distortion (LINE-MASTER 1).....	0.005 %
Standard input level/Input impedance	
PHONO 2 to 4 .....	–52 dBu/47 kΩ
MIC 1 .....	–52 dBu/22 kΩ
LINE, LINE/CD 1 to 4 .....	–12 dBu/22 kΩ
RETURN.....	–16 dBu/47 kΩ
Standard output level/Load impedance/Output impedance	
MASTER 1.....	+8 dBu/10 kΩ/22 Ω or less
MASTER 2.....	+2 dBu/10 kΩ/10 Ω
REC .....	–8 dBu/10 kΩ/10 Ω
BOOTH.....	+2 dBu/10 kΩ/22 Ω
SEND.....	–12 dBu/10 kΩ/1 kΩ
PHONES .....	+8.5 dBu/32 Ω/22 Ω or less
Rated output level/Load impedance	
MASTER 1.....	+25 dBu/10 kΩ
MASTER 2.....	+20 dBu/10 kΩ
Crosstalk (LINE) .....	80 dB
Channel equalizer response	
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 response	
HI .....	–12 dB to +12 dB (10 kHz)
LOW .....	–12 dB to +12 dB (100 Hz)

3 Input/output connector systems

PHONO input connectors	
RCA pin jacks .....	3
CD input connectors	
RCA pin jacks .....	2
LINE input connectors	
RCA pin jacks .....	3
MIC input connectors	
XLR connector.....	1
Phone jack (Ø6.3 mm).....	1
RETURN input connectors	
Phone jacks (Ø6.3 mm).....	1
MASTER output connectors	
XLR connectors .....	1
RCA pin jacks .....	1
BOOTH output connectors	
RCA pin jacks .....	1
REC output connectors	
RCA pin jacks .....	1
SEND output connectors	
Phone jacks (Ø6.3 mm).....	1
DIGITAL coaxial output connector	
RCA pin jack.....	1
MIDI OUT connector	
5P DIN.....	1
PHONES output connector	
Stereo phone jack (Ø6.3 mm) .....	1
CONTROL connector	
Mini phone jacks (Ø3.5 mm).....	2

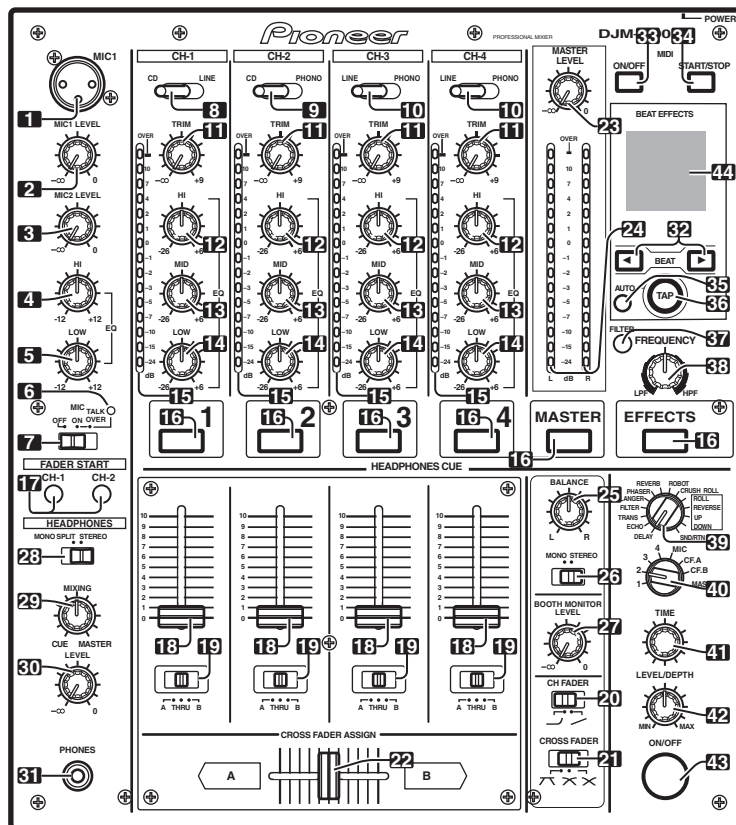
4 Accessories

Operating Instructions .....	1
Warranty card .....	1

Specifications and appearance are subject to change without notice.

## 2.3 PANEL FACILITIES

### OPERATION PANEL



#### 1 Microphone 1 input jack (MIC 1)

Connect microphone with XLR-type plug.

#### 2 Microphone 1 level control dial (MIC 1 LEVEL)

Use to adjust the volume of microphone 1. (adjustable range  $-\infty$  to 0 dB)

#### 3 Microphone 2 level control dial (MIC 2 LEVEL)

Use to adjust the volume of microphone 2. (adjustable range  $-\infty$  to 0 dB)

#### 4 Microphone equalizer high-range control dial (HI)

Use to adjust the treble (high-range) frequencies of microphones 1 and 2. (adjustable range  $-12$  dB to  $+12$  dB)

#### 5 Microphone equalizer low-range control dial (LOW)

Use to adjust the bass (low-range) frequencies of microphones 1 and 2. (adjustable range  $-12$  dB to  $+12$  dB)

#### 6 Microphone function indicator

Lights when microphone is ON; flashes when TALK OVER is ON.

#### 7 Microphone function selector switch (MIC)

**OFF:**

No microphone sound is output.

**ON:**

Microphone sound is output normally.

#### TALK OVER:

Microphone sound is output; when sound is input to a connected microphone, the TALK OVER function operates and all sound other than that from the microphone is attenuated by 20 dB.

- When not using the TALK OVER function, it is recommended to set the switch to the [OFF] or [ON] position.

#### 8 Channel 1 input selector switch

**CD:**

Selects **CD** input (line level analog input).

**LINE:**

Use to select **LINE** input connectors.

#### 9 Channel 2 input selector switch

**CD:**

Use to select **CD** input (line level analog input).

**PHONO:**

Use to select **PHONO** input connectors (analog turntable input).

#### 10 Channel 3, 4 input selector switch

**LINE:**

Use to select **LINE** input (line level analog input).

**PHONO:**

Use to select **PHONO** input connectors (analog turntable input).

#### 11 TRIM adjust dial

Use to adjust the input level for each channel. (adjustable range:  $-\infty$  to  $+9$  dB, mid-position is about 0 dB)

#### 12 Channel equalizer high-range adjust dial (HI)

Use to adjust the treble (high-range) frequency sound for each channel. (adjustable range:  $-26$  dB to  $+6$  dB)

A

**13 Channel equalizer mid-range adjust dial (MID)**

Use to adjust the mid-range frequency sound for each channel. (adjustable range: -26 dB to +6 dB)

**14 Channel equalizer low-range adjust dial (LOW)**

Use to adjust the bass (low-range) frequency sound for each channel. (adjustable range: -26 dB to +6 dB)

■

**15 Channel level indicator**

Displays the current level for each channel, with two-second peak hold.

**16 HEADPHONES CUE buttons/indicators**

These buttons are used to select from **1** to **4**, **MASTER**, or **EFFECTS**, to allow you to monitor the desired source through headphones. If multiple buttons are pressed simultaneously, the selected audio sources are mixed. Press the button once more to cancel the selected source. Unselected buttons glow darkly, while selected source buttons light brightly.

B

**17 Fader start button/indicator (FADER START CH-1, CH-2)**

Enables the fader start/back cue function for the channel to which a DJ CD player is connected. The button lights when set to ON. When enabled, the operation differs depending on the setting of the **CROSS FADER ASSIGN** switch.

- When the **CROSS FADER ASSIGN** switch is set to the **[A]** or **[B]** position, fader start button operation is linked to the operation of the cross fader (and unlinked to channel fader).
- When the **CROSS FADER ASSIGN** switch is set to the **[THRU]** position, fader start button operation is linked to the operation of the channel fader (and unlinked to cross fader).

C

**18 Channel fader lever**

Use to adjust sound volumes for each channel. (adjustable range:  $-\infty$  to 0 dB)

Output is in accordance with the channel fader curve selected with the **CH FADER** curve switch.

**19 CROSS FADER ASSIGN switch**

This switch assigns each channel's output to either right or left side of the cross fader (if multiple channels are assigned to the same side, the result will be the combined sum of the channels).

■

**A:**

The selected channel is assigned to the cross fader's A (left) side.

**THRU:**

The channel fader's output is sent as is to the master output, without being passed through the cross fader.

D

**B:**

The selected channel is assigned to the cross fader's B (right) side.

**20 Channel fader curve switch (CH FADER)**

This switch allows the user to select from two types of channel fader curve response. This setting is applied equally to channels 1 to 4.

- At the left setting, the curve operates to produce a rapid rise as the channel fader approaches its distant position.
- At the right setting, the curve operates to produce an even, neutral rise throughout the channel fader's movement.

■

E

**21 Cross fader curve switch (CROSS FADER)**

This switch allows the user to select from three types of cross fader curve response.

- At the left setting, the curve produces a rapid signal rise. (As soon as the cross fader lever leaves the **[A]** side, the **[B]** channel sound is produced.)
- At the right setting, the curve operates to produce an even, neutral rise throughout the cross fader's movement.
- At the middle setting, an intermediate curve is produced, midway between the two curves noted above.

**22 Cross fader lever**

Outputs sound assigned to **[A]** and **[B]** sides in accordance with setting of the **CROSS FADER ASSIGN** switch, and subject to the cross fader curve selected with the **CROSS FADER** curve switch.

**23 Master output level dial (MASTER LEVEL)**

Use to adjust the master output level. (adjustable range:  $-\infty$  to 0 dB)

The master output is the sum combination of the sound from channels set to **[THRU]** with the **CROSS FADER ASSIGN** switch; the signal passed through the cross fader; and the signals from microphone 1 and microphone 2 (if the effect selector is set to **[SND/RTN]**, the **RETURN** input is also added).

**24 Master level indicator (MASTER L, R)**

These segment indicators display the output level from L and R channels. The indicators have a two-second peak hold.

**25 Master balance dial (BALANCE)**

Use to adjust the L/R channel balance for master output, booth monitor output, recording output, and digital output.

**26 Master output MONO/STEREO selector switch**

When set to the **[MONO]** position, master output, booth monitor output, recording output, digital output are all produced in L+R monaural.

**27 BOOTH MONITOR LEVEL control dial**

This dial is used to adjust the booth monitor output volume. The volume can be adjusted independently of the master output level. (adjustable range:  $-\infty$  to 0 dB)

**28 Headphones output switch (MONO SPLIT/STEREO)****MONO SPLIT:**

When **HEADPHONES CUE** (1,2,3,4 or **EFFECTS**) button is selected, the selected audio is output to the L channel. When **HEADPHONES CUE (MASTER)** button is selected, the master audio is output from the R channel.

**STEREO:**

The audio source selected with the **HEADPHONES CUE** button is output in stereo.

**29 Headphones mixing dial (MIXING)**

When rotated clockwise (toward **[MASTER]**), the master output audio is produced at the headphones (only when **[MASTER]** has been selected with the **HEADPHONES CUE** button); when rotated counterclockwise (toward **[CUE]**), the headphones output becomes the mixture of the effect monitor and the channel selected with the **HEADPHONES CUE** button.

In the middle position, the audio from **[MASTER]** and **[CUE]** will be output.

**30 Headphones level adjust dial (LEVEL)**

Adjusts the output level of the headphones jack. (adjustable range:  $-\infty$  to 0 dB)

### 31 Headphones jack (PHONES)

Connect to headphones equipped with phone-type jack.

### 32 Beat select buttons (◀ BEAT ▶)

- ▶ (Beat up): Doubles the calculated BPM.
- ◀ (Beat down): Halves the calculated BPM.
- Some effects can be set for "3/4".

With some effects, these are used for functions other than setting the beat.

### 33 MIDI ON/OFF button

Sets MIDI output function (not including timing lock) to ON/OFF. When power is first turned ON, automatically defaults to OFF.

### 34 MIDI start/stop button (MIDI START/STOP)

Outputs START/STOP signal for MIDI control function. When this control is enabled, the [MIDI START (STOP)] message appears for two seconds on the display.

### MIDI SNAP SHOT:

When the MIDI START/STOP button is held depressed, a snapshot is sent to the external MIDI component.

### 35 BPM measuring mode button (AUTO)

Switches between the BPM measuring modes AUTO and TAP. When [AUTO] indicator on the display is lighted, the BPM will be measured automatically.

### 36 TAP button

The BPM is calculated from the intervals at which the TAP button is struck. If the TAP button is pressed in the AUTO mode, the mode automatically switches to the TAP mode (manual input).

### 37 MANUAL/EFFECT Frequency filter button

Use to switch between manual filter and effect frequency filter.

When power is first turned ON, defaults to effect frequency filter and the button indicator lights. When manual filter is selected, the button indicator does not light.

### 38 Manual filter adjust dial (FREQUENCY)

Use to adjust the cutoff frequency of the selected filter.

### 39 Effect selector (DELAY, ECHO, TRANS, FILTER, FLANGER, PHASER, REVERB, ROBOT (ROBOT VOCODER), CRUSH, ROLL, REVERSE (REVERSE ROLL), UP (UP ROLL), DOWN (DOWN ROLL), SND/RTN (SEND/RETURN))

Use to select desired type of effect.

When using an external effector connected to the SEND and RETURN connectors, set to the [SND/RTN] position.

### 40 Effect channel selector (1, 2, 3, 4, MIC, CF.A, CF.B, MASTER)

Use to select the channel to which effects are applied. When [MIC] is selected, effects are applied to both microphone 1 and microphone 2.

### 41 Effect parameter 1 dial [TIME (PARAMETER 1)]

Adjusts time parameter for selected effect (With some effects, this is used for adjustments other than time parameters.)

- If the TIME dial is rotated while depressing the TAP button, direct BPM can be set manually.
- If the TIME dial is rotated while holding the TAP button and AUTO/TAP buttons depressed, the BPM can be set in 0.1 units.

### 42 Effect parameter 2 dial [LEVEL/DEPTH (PARAMETER 2)]

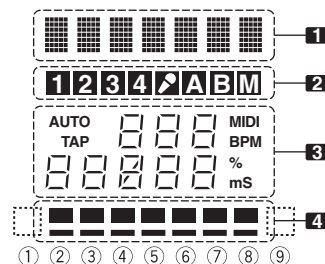
Adjusts quantitative parameters for selected effect.

### 43 Effect button/indicator (ON/OFF)

Sets selected effect ON/OFF. When power is first turned ON, defaults to effect OFF. When set to effect OFF, the button indicator lights. When effects are enabled (ON), the button flashes.

### 44 Display

## DISPLAY SECTION



### 1 Effects display section

Text display (7 characters) displays effect name as shown in accompanying table. Also, when one of the change operations is performed as noted in the table, the corresponding characters are displayed for two seconds, after which the display returns to the original effect name.

Switching Operation	Display
At MIDI start	START
At MIDI stop	STOP
MIDI snapshot	SNAP
When MIDI output function is ON	MIDI On
When MIDI output function is OFF	MIDI Off

### 2 Channel select display section

Lights position selected by effect channel selector.

### 3 Parameter display section

#### AUTO/TAP:

[AUTO] lights when the BPM measuring mode is set to AUTO, and [TAP] lights when the BPM measuring mode is set to manual (TAP).

#### BPM counter display (3 digits):

In AUTO mode, displays the automatically detected BPM value. If the BPM count cannot be detected automatically, the display will flash at the previously detected value. In manual (TAP) mode, displays the BPM value designated by TAP input, etc.

#### BPM:

Lights constantly.

#### MIDI:

Indicates status of MIDI output function ON/OFF.

- Lights when MIDI output function is ON.
- Not lighted when MIDI output function is OFF.

#### Parameter 1 display (5 digits):

Displays parameters designated for each effect. When the beat select buttons (BEAT ◀, ▶) are pressed, the corresponding beat multiple change is displayed for two seconds. If the beat select buttons (BEAT ◀, ▶) are used to designate a value outside the parameter range, the current number will flash but will not change.

#### Unit Display (%/ms):

Lights in accordance with the unit used for each effect.

A

#### 4 Beat display section

Displays the location of parameter 1 relative to BPM (1/1 beat). The lower row is lighted constantly. When the parameter 1 location approaches a threshold value, the corresponding indicator is lighted. When the parameter 1 is between threshold values, the

indicator flashes. Although the display includes seven actual indicators, the values of the two ends can also be considered to represent indicators, with the result that nine positions can be logically assumed. When the values are at the two ends, no indicators light.

B

C

D

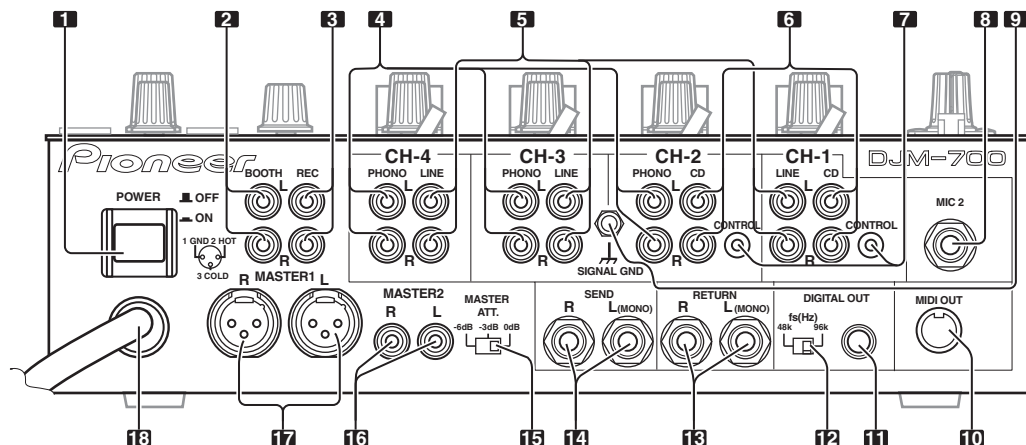
Effect selector	① Effect display	③ Parameter display				④ Beat display								
	Effect name	Minimum value	Maximum value	Default	Unit	①	②	③	④	⑤	⑥	⑦	⑧	⑨
DELAY	DELAY	1	4 000	500	ms	1/8	1/4	1/2	3/4	1/1	2/1	4/1	8/1	16/1
ECHO	ECHO	1	4 000	500	ms	1/8	1/4	1/2	3/4	1/1	2/1	4/1	8/1	16/1
TRANS	TRANS	10	16 000	500	ms	1/16	1/8	1/4	1/2	1/1	2/1	4/1	8/1	16/1
FILTER	FILTER	10	32 000	2 000	ms	1/4	1/2	1/1	2/1	4/1	8/1	16/1	32/1	64/1
FLANGER	FLANGER	10	32 000	2 000	ms	1/4	1/2	1/1	2/1	4/1	8/1	16/1	32/1	64/1
PHASER	PHASER	10	32 000	2 000	ms	1/4	1/2	1/1	2/1	4/1	8/1	16/1	32/1	64/1
REVERB	REVERB	1	100	50	%	10	20	30	40	50	60	70	80	90
ROBOT	ROBOT	-100	100	0	%	—	-100	-66	-50	0	26	50	100	—
CRUSH	CRUSH	10	32 000	2 000	ms	1/4	1/2	1/1	2/1	4/1	8/1	16/1	32/1	64/1
ROLL	ROLL	10	4 000	500	ms	1/16	1/8	1/4	1/2	1/1	2/1	4/1	8/1	16/1
REV ROLL	REVROLL	10	4 000	500	ms	1/16	1/8	1/4	1/2	1/1	2/1	4/1	8/1	16/1
UP ROLL	UP ROLL	10	4 000	500	ms	1/16	1/8	1/4	1/2	1/1	2/1	4/1	8/1	16/1
DOWN ROLL	DWNROLL	10	4 000	500	ms	1/16	1/8	1/4	1/2	1/1	2/1	4/1	8/1	16/1
SND/RTN	SND/RTN													

Shaded items  are not displayed.

E

F

## CONNECTION PANEL



### 1 POWER switch

### 2 BOOTH monitor output connectors

RCA-type booth monitor output jack.

The sound level from these connectors is controlled independently by the **BOOTH MONITOR LEVEL** dial, regardless of the position of the **MASTER LEVEL** dial.

### 3 Recording output connectors (REC)

RCA type output connectors for recording.

### 4 PHONO input connectors

RCA type phono level (MM cartridge) input connectors.

Do not use for inputting line level signals.

### 5 LINE input connectors

RCA type line level input connectors.

Use to connect a cassette deck or other line level output component.

### 6 CD input connectors

RCA type line level input connectors.

Use to connect a DJ CD player or other line level output component.

### 7 CONTROL connectors

Ø3.5 mm mini-connector. Use to connect to the control connector of a Pioneer DJ CD player.

When the connectors are connected, the DJM-700-S/DJM-700-K's fader can be used to perform start/stop on the DJ CD player.

### 8 Two microphone input jacks (MIC 2)

Connect microphones equipped with phone-type plugs.

### 9 Signal grounding terminals (SIGNAL GND)

Reduces noise when connecting an analog turntable.

### 10 MIDI OUT connector

DIN type output connector.

Use to connect to other MIDI component.

### 11 DIGITAL OUT connector

RCA type digital coaxial output connector.

Master audio digital output.

### 12 Sampling frequency selector switch (fs 48 k/96 k)

Use to set the sampling frequency of the digital output to 96 kHz/24-bit format or 48 kHz/24-bit format.

- Turn power off before changing this switch position.

### 13 RETURN connectors

Ø6.3 mm phone-type input connectors.

Use to connect to the output connectors of external effectors or similar components.

When the L channel only is connected, the L channel input is simultaneously input to the R channel.

### 14 SEND output connectors

Ø6.3 mm phone-type output connectors.

Use to connect to the input connectors of external effectors or other similar components. When the L channel only is connected, a L+R monaural signal is output.

### 15 Master output attenuator switch (MASTER ATT)

Use to attenuate the level of the master 1 and master 2 outputs. Attenuation can be set to 0 dB, -3 dB, or -6 dB.

### 16 MASTER 2 output connectors

RCA type unbalanced output.

### 17 MASTER 1 output connectors

XLR type (male) balanced output.

- When using a cord with RCA-type plug, users are recommended to connect the plug directly to the **MASTER 2** connectors without using an XLR/RCA converter plug.

### 18 Power cord

Connect to ordinary AC outlet.



## 3. BASIC ITEMS FOR SERVICE

### 3.1 CHECK POINTS AFTER SERVICING

A

To ensure the quality of the product after repair, check the recommended items shown below:

No.	Procedures	Item to be checked
1	Check if all the symptoms pointed out by the customer have been addressed. If a symptom pointed out by the customer is attributable to a particular source, such as Mic, each Input, Fader, Equalizer, and Trim, input that particular source for checking.	The symptoms in question must not be reproduced. Audio and operations must be normal.
2	Check the analog audio inputs. (Make connections for analog audio signals with a CDJ player.)	Audio for each channel and operations must be normal.
3	Check Fader playback. (Select Fader and check the multichannel operations via the DSP.)	Audio for each channel and operations must be normal.
4	Check the master outputs. (Connect with a CDJ player.)	Audio and operations must be normal.
5	Check the audio from headphone output.	Audio must be normal, without noise.
6	Check the exterior section.	Check for any scratches or dirt that have been made or attached on the exterior section after receiving the product for repair.

B

C

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	

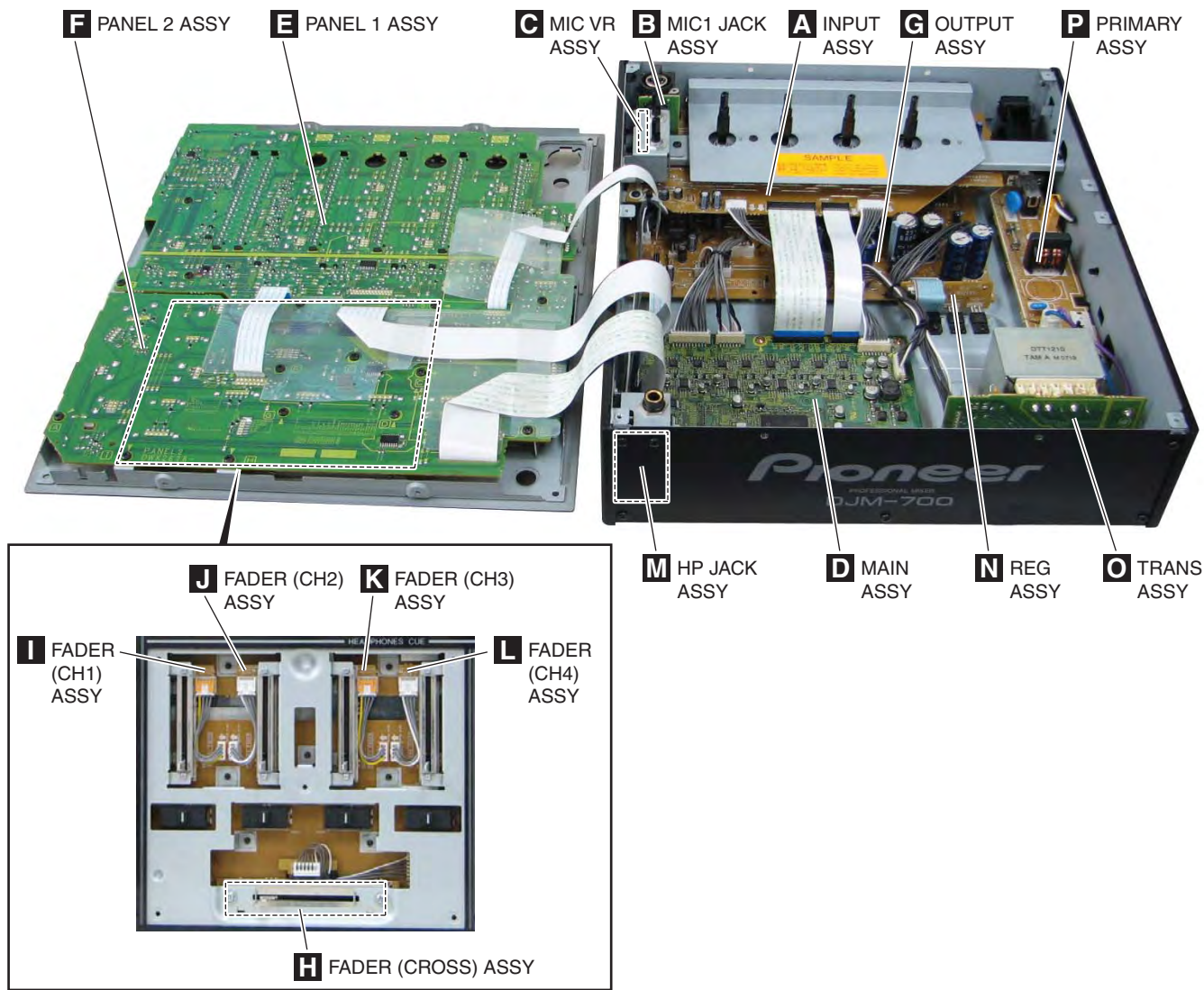
D

E

F



3.2 PCB LOCATIONS



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							
		1..MAIN ASSY	DWX2674				
NSP	1..INPL ASSY	DWM2309		● For KUCXJ and WYXJ5 types			
	2..INPUT ASSY	DWX2675		NSP	1..OUPW ASSY	DWM2310	
	2..PANEL 2 ASSY	DWX2678			2..OUTPUT ASSY	DWX2676	
	2..MIC1 JACK ASSY	DWX2685		⚠	2..PRIMARY ASSY	DWX2687	
	2..MIC VR ASSY	DWX2686			2..TRANS ASSY	DWX2688	
					2..REG ASSY	DWX2689	
					2..HP JACK ASSY	DWX2690	
NSP	1..PANL ASSY	DWM2311		● For RLXJ type			
	2..PANEL 1 ASSY	DWX2677		NSP	1..OUPW ASSY	DWM2315	
	2..FADER (CROSS) ASSY	DWX2680			2..OUTPUT ASSY	DWX2676	
	2..FADER (CH1) ASSY	DWX2681		⚠	2..PRIMARY ASSY	DWX2692	
	2..FADER (CH2) ASSY	DWX2682			2..TRANS ASSY	DWX2757	
	2..FADER (CH3) ASSY	DWX2683			2..REG ASSY	DWX2689	
	2..FADER (CH4) ASSY	DWX2684			2..HP JACK ASSY	DWX2690	

### 3.3 JIGS LIST

A

■ Jigs list

Jig Name	Jig No.	Remarks
Dedicated cable	GGD1530	Used for connector conversion
Interface device	GGF1605	Used for firmware download

B

■

C

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## 4.2 OVERALL BLOCK DIAGRAM

A

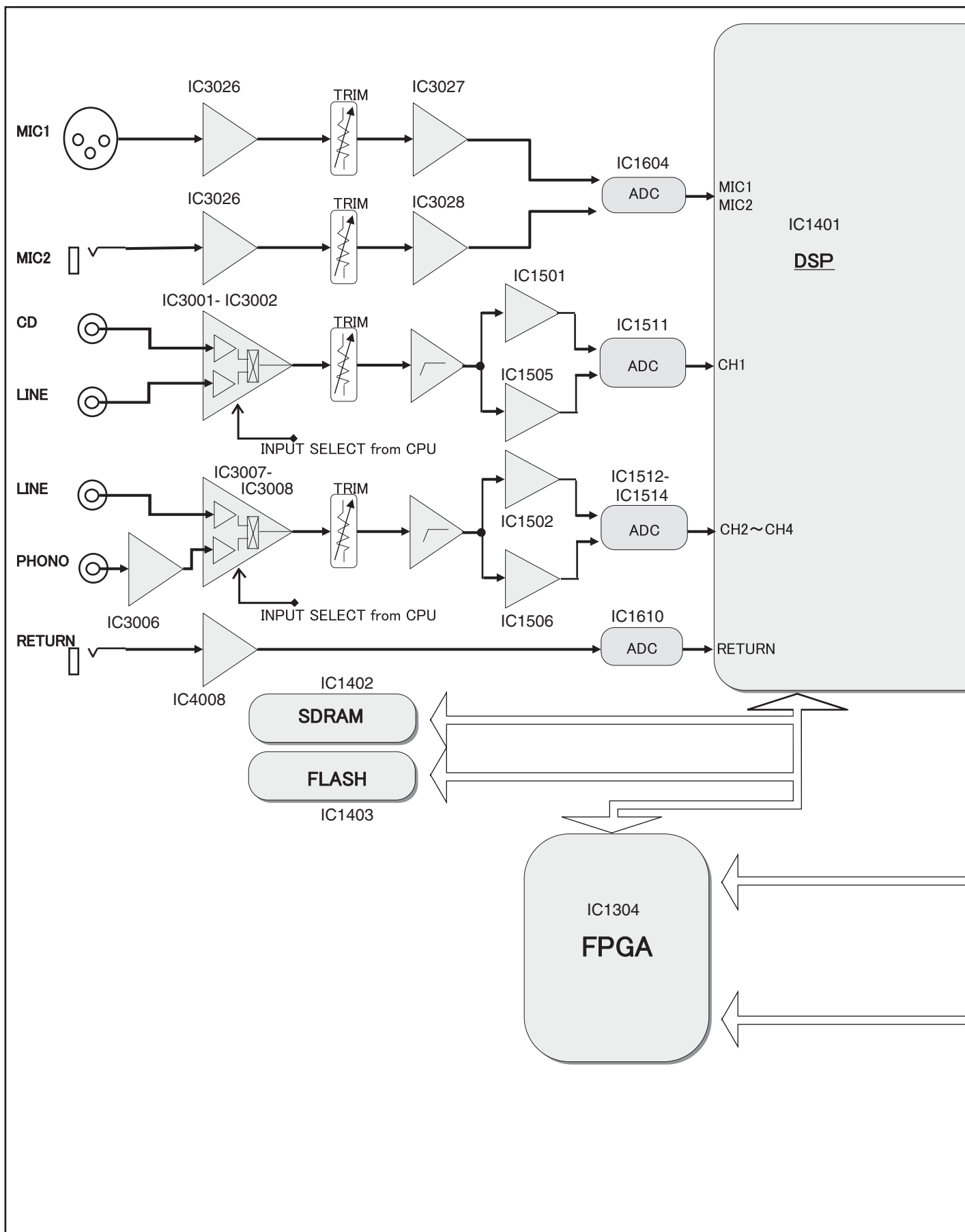
B

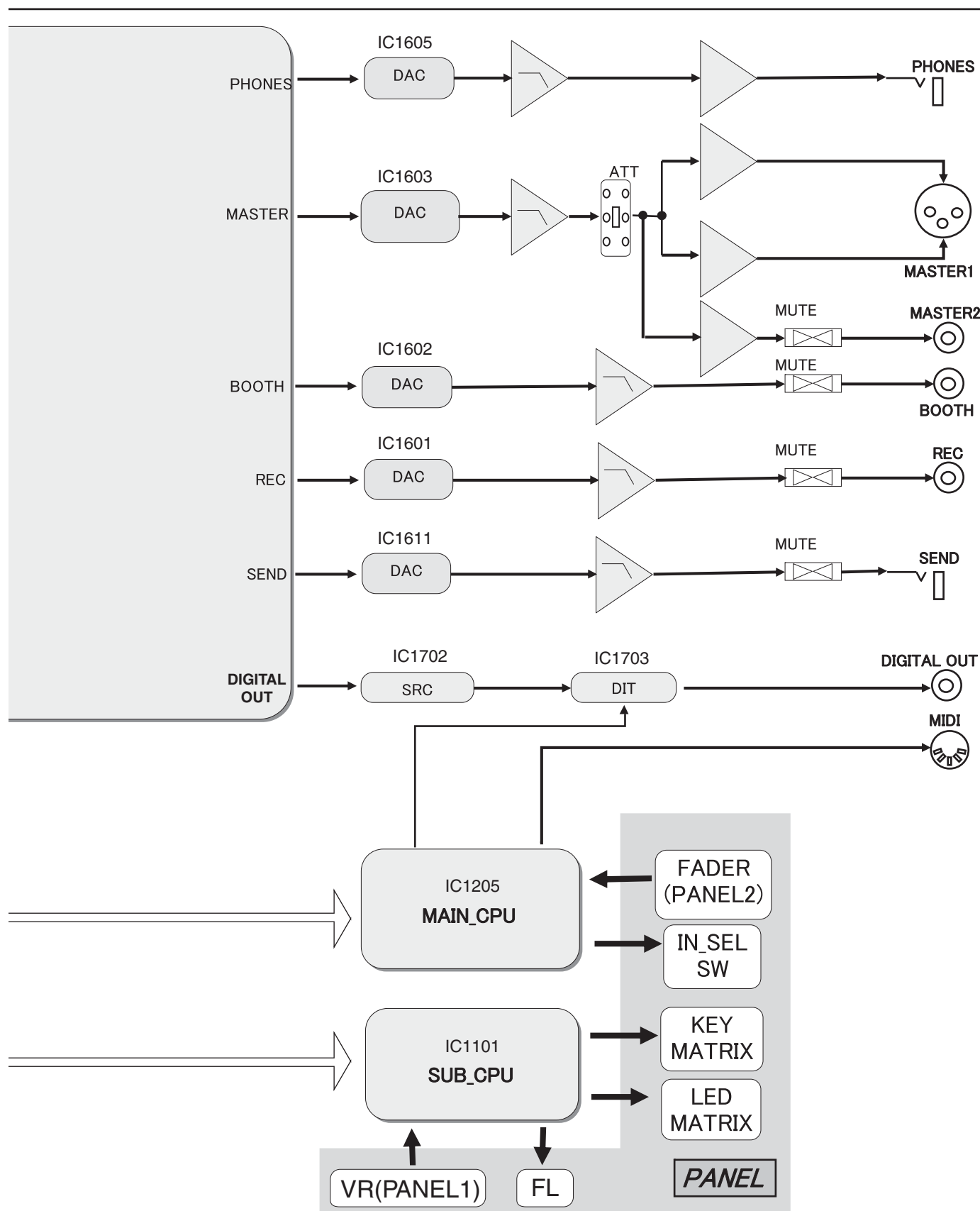
C

D

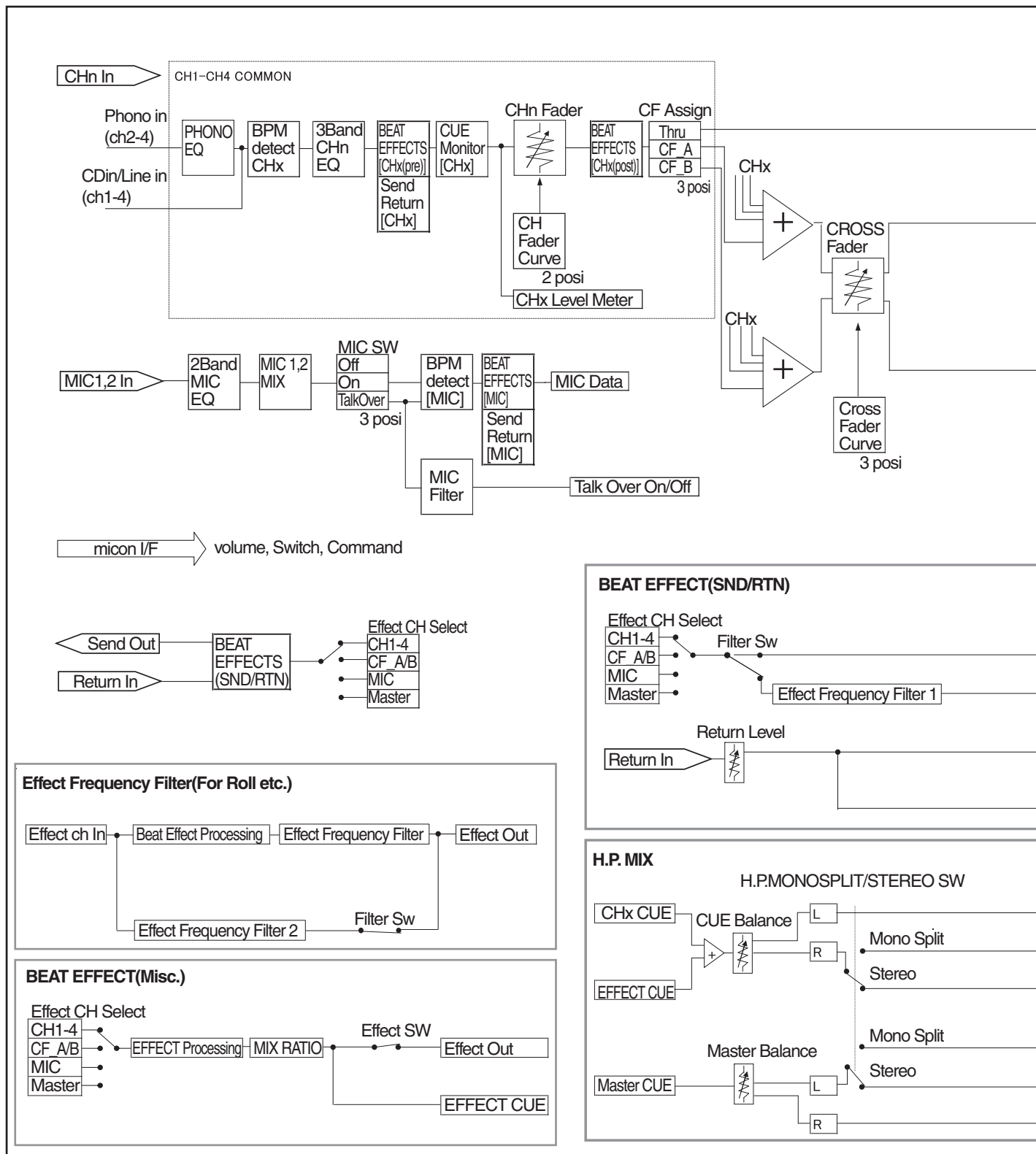
E

F

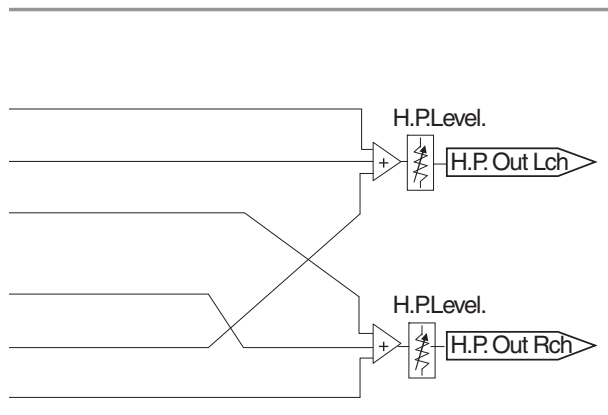
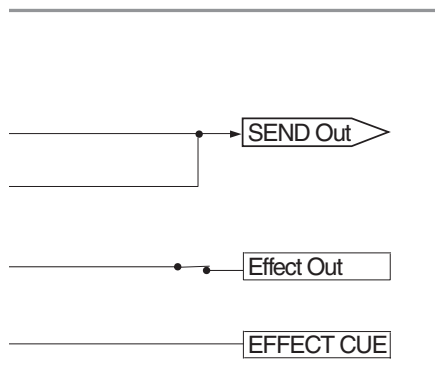
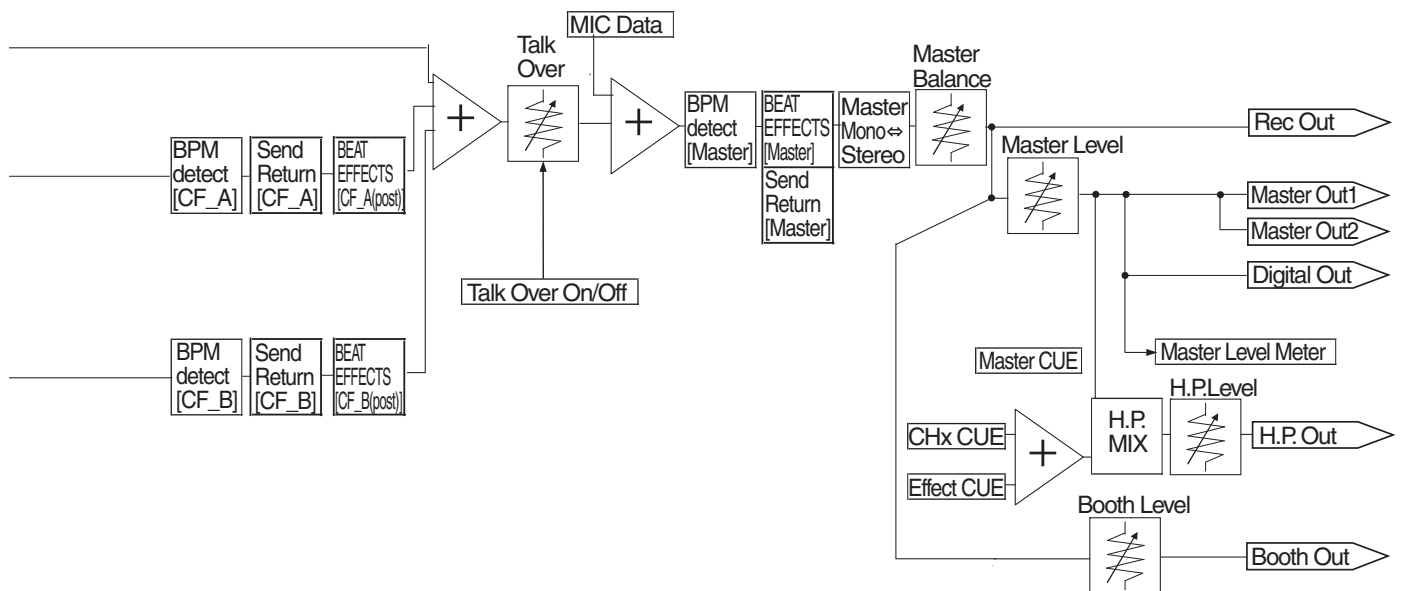




## 4.3 MAIN BLOCK DIAGRAM







DSP Status  
BPM Detect data  
Level Meter data

EFFET Processing ↔ SD-RAM

### BPM Detection Process

Effect CH Select

CH1-4

CF A/B

MIC

Master

BPM Detection Process

BPM is sent to CPU

### Effect Frequency Filter(For effects other than Roll)

Effect ch In

Effect Frequency Filter 1

Beat Effect Processing

Effect Out

Effect Frequency Filter 2

Filter Sw

# 5. DIAGNOSIS

## 5.1 TEST MODE

### 1. Description of Test Modes

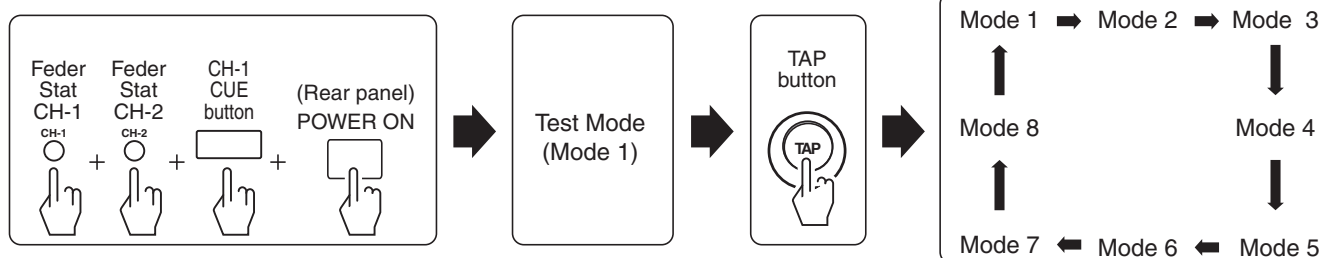
The Following eight test modes are provided for this unit:

- ① Mode 1 : Confirmation of software version.
- ② Mode 2 : ALL LED & FL display "OFF" MODE. "ALL CLR"
- ③ Mode 3 : ALL LED & 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 : Volume Test. "VOLTEST"
- ⑦ Mode 7 : Fader Test. "FDRTEST"
- ⑧ Mode 8 : Meter LED Test. "LEDTEST"

### 2. Test Mode

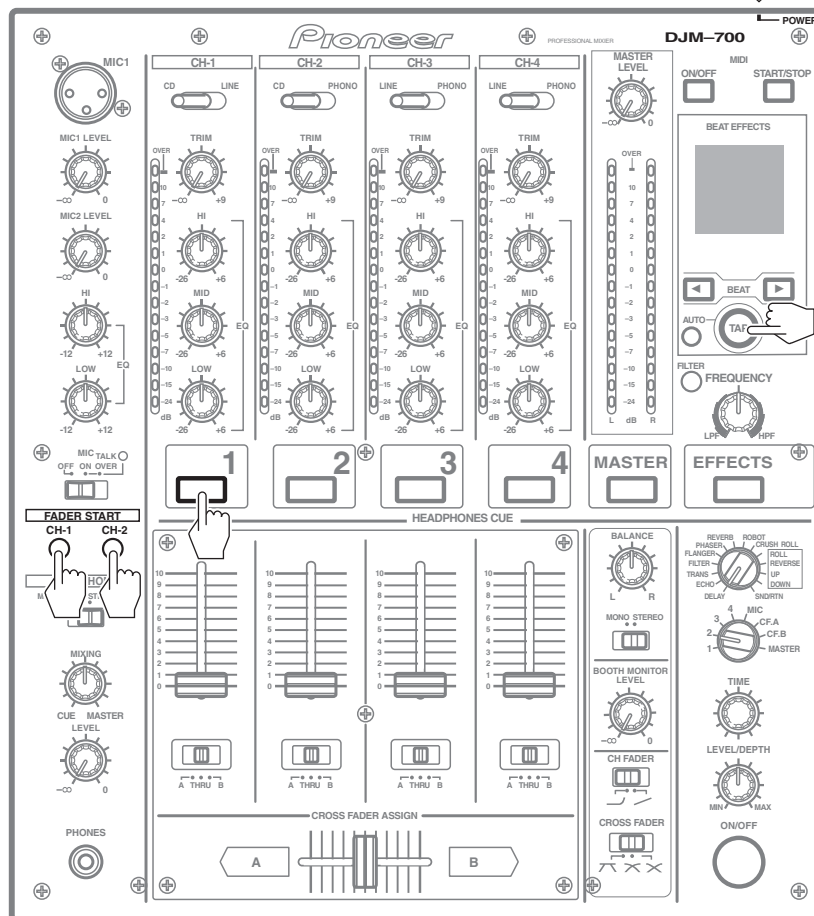
#### Test Mode : ON

Cyclic operation



#### Test Mode : CANCEL

(Rear panel)  
POWER OFF



### 1. Test mode contents.

- ① Mode 1 : Confirmation of software version.
- ② Mode 2 : ALL LED & FL display "OFF" MODE. "ALL CLR"
- ③ Mode 3 : ALL LED & 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 : Volume Test. "VOLTEST"
- ⑦ Mode 7 : Fader Test. "FDRTEST"
- ⑧ Mode 8 : Meter LED Test. "LEDTEST"

### 2. How to start the Test Mode.

To enter test mode, turn the Power button while pressing all of the FADER START CH1, FADER START CH2, CUE CH1 buttons.

There are 8 modes in this Test Mode.

If the TAP button is pressed, Mode1-8 can be selected by selector switch.

When set up mode is started, Mode 1 is selected automatically.

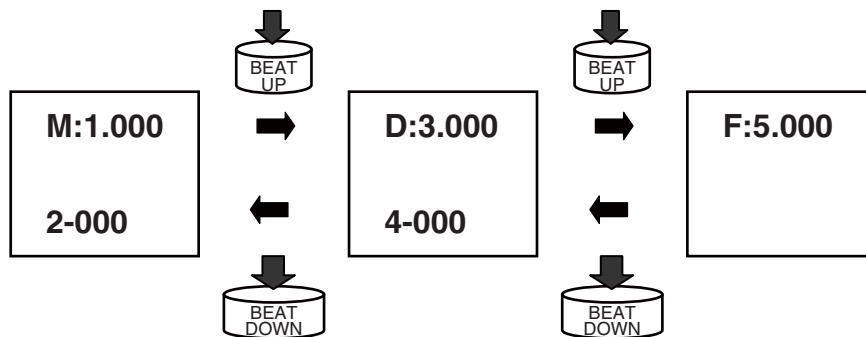
Once Test Mode starts, it keeps the test mode until turning the Power off.

### 3. Test mode

#### ① Mode 1 : Confirmation of software version.

- Mode that confirms version of microcomputer(MAIN), microcomputer(SUB), DSP (program), DSP (data), and FPGA.
- There are 3 screens for displaying each version of microcomputer, DSP, and FPGA in this Mode.

Those screens is changed by pressing BEAT UP or DOWN buttons.



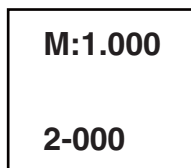
It is displayed a version of firmware by FL display.

- Microcomputer versions display

For exsample

Microcomputer(MAIN) : 1.000

Microcomputer(SUB) : 2.000

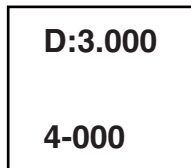


- DSP versions display

For exsample

DSP(program) : 3.000

DSP(data) : 4.000



- FPGA versions display  
For example  
FPGA : 5.000

**F:5.000**

## ② Mode 2 : ALL LED & FL display "OFF" MODE. "ALL CLR"

- It displays "ALL CLR" on the FL display in the first 2 seconds.

## ③ Mode 3 : ALL LED & FL display "ON" MODE. "ALL SET"

- It displays "ALL SET" on the FL display in the first 2 seconds.

## ④ Mode 4 : KEY OPERATING TEST. "KEY TEST"

- While the self-illumination buttons are being pressed, LEDs lights.
- The name of the key while pressing it to the FL display is displayed.

### LED TABLE

Buttons	Lighting LED		Remark
FADER START CH1	FADER START CH1 LED		Two LED lights.
	CH1 Level Meter LED	-24dB	
FADER START CH2	FADER START CH2 LED		Two LED lights.
	CH2 Level Meter LED	-24dB	
CUE CH1	CUE CH1 LED		
CUE CH2	CUE CH2 LED		
CUE CH3	CUE CH3 LED		
CUE CH4	CUE CH4 LED		
CUE MASTER	CUE MASTER LED		
CUE EFFECT	CUE EFFECT LED		
MIDI ON/OFF	Master Level Meter L CH LED	OVER	
MIDI START/STOP	Master Level Meter R CH LED	OVER	
BEAT DOWN(◀)	Master Level Meter L CH LED	10dB	
BEAT UP (▶)	Master Level Meter R CH LED	10dB	
AUTO/TAP	Master Level Meter L CH LED	7dB	
EFFECT ON/OFF	EFFECT ON/OFF LED		
FILTER	FILTER LED		Two LED lights.
	Master Level Meter L CH LED	4dB	

## ⑤ Mode 5 : SELECT SW Operating Test. "SW TEST"

- The selected SW can be confirmed by LEDs lights.

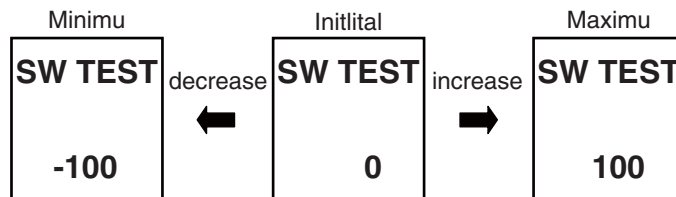
Switch	Lighting LED		Remark
MIC	: OFF	FADER START CH1 LED	
	: ON	MIC LED	
	: TALK OVER	FADER START CH2 LED	
Headphone MONO/STEREO	: MONO SPLIT	CH1 Level Meter LED	0dB
	: STEREO		1dB
CH FADER Assign CH1	: Assign A	CH1 Level Meter LED	-24dB
	: THRU		-15dB
	: Assign B		-10dB
CH FADER Assign CH2	: Assign A	CH2 Level Meter LED	-24dB
	: THRU		-15dB
	: Assign B		-10dB
CH FADER Assign CH3	: Assign A	CH3 Level Meter LED	-24dB
	: THRU		-15dB
	: Assign B		-10dB
CH FADER Assign CH4	: Assign A	CH4 Level Meter LED	-24dB
	: THRU		-15dB
	: Assign B		-10dB

Swich		Lighting LED		Remark
CD/LINE	: CD	CH1 Level Meter LED	10dB	
	: LINE		OVER	
CD/PHONO	: CD	CH2 Level Meter LED	10dB	
	: PHONO		OVER	
LINE/PHONO	: LINE	CH3 Level Meter LED	10dB	
	: PHONO		OVER	
LINE/PHONO	: LINE	CH4 Level Meter LED	10dB	
	: PHONO		OVER	
CH FADER CURVE select SW	: Left	Master Level Meter L CH LED	4dB	
	: Right		7dB	
CROSS FADER CURVE select SW	: Left	Master Level Meter L CH LED	0dB	
	: Center		1dB	
	: Right		2dB	
Channel Select SW	: 1	Master Level Meter L CH LED	-24dB	
	: 2		-15dB	
	: 3		-10dB	
	: 4		-7dB	
	: MIC		-5dB	
	: CF.A		-3dB	
	: CF.B		-2dB	
	: MASTER		-1dB	
	: DELAY		-24dB	
	: ECHO		-15dB	
Effect Select SW	: TRANS	Master Level Meter R CH LED	-10dB	
	: FILTER		-7dB	
	: FLANGER		-5dB	
	: PHASER		-3dB	
	: REVERB		-2dB	
	: ROBOT		-1dB	
	: ROLL		0dB	
	: REVROLL		1dB	
	: UP ROLL		2dB	
	: DWNROLL		4dB	
	: STRROLL		7dB	
	: SND/RTN		10dB	
DigitalOut Sampling Rate Select SW	: 48k	CH2 Level Meter LED	0dB	
	: 96k		1dB	
MONO STEREO Select SW	: MONO	Master Level Meter L CH LED	OVER	
	: STEREO		10dB	

The numerical value on the FL diplay can be increased and decreased by operating the rotary encoder.

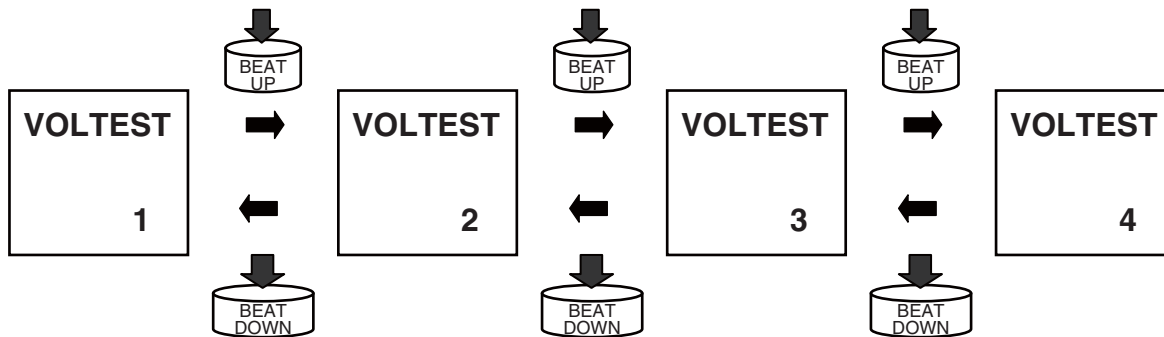
Range of operation

Initial value : 0  
Minimum value : 100  
Maximum value : 100



## ⑥ Mode 6 : Volume Test . “VOLTEST”

- Mode to confirm analog to digital translation value of rotary volume on operation panel by lighting Level Meter LED.
  - In this mode, to display the value of two or more rotary volumes with one level meter LED, each rotary volume is divided into four groups.
- Those groups is changed by pressing BEAT UP or DOWN buttons.



- group 1  
Rotary volume that can be confirmed
  - CH1 HI, CH2 HI, CH3 HI, CH4 HI, MIC HI, MIC LOW

Volume	Lighting LED	Remark
CH1 HI	CH1 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH2 HI	CH2 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH3 HI	CH3 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH4 HI	CH4 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
MIC HI	Master Level Meter L CH LED	"-12" : Lights off "+12" : Full Illuminate
MIC LOW	Master Level Meter R CH LED	"-12" : Lights off "+12" : Full Illuminate

- group 2  
Rotary volume that can be confirmed
  - CH1 MID, CH2 MID, CH3 MID, CH4 MID, MASTER LEVEL, FILTER

Volume	Lighting LED	Remark
CH1 MID	CH1 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH2 MID	CH2 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH3 MID	CH3 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH4 MID	CH4 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
MASTER LEVEL	Master Level Meter L CH LED	"-∞" : Lights off "0" : Full Illuminate
FREQUENCY	Master Level Meter R CH LED	"LPF" : Lights off "HPF" : Full Illuminate

### ⑥ Mode 6 : Volume Test. "VOLTEST"

- group 3

Rotary volume that can be confirmed

- CH1 LOW, CH2 LOW, CH3 LOW, CH4 LOW

Volume	Lighting LED	Remark
CH1 LOW	CH1 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH2 LOW	CH2 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH3 LOW	CH3 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate
CH4 LOW	CH4 Level Meter LED	"-26" : Lights off "+6" : Full Illuminate

- group 4

Rotary volume that can be confirmed

- H.P. MIXING, H.P. LEVEL, MASTER BALANCE, BOOTH MONITOR, LEVEL/DEPTH

Volume	Lighting LED	Remark
H.P. MIXING	CH1 Level Meter LED	"CUE" : Lights off
		"MASTER" : Full Illuminate
H.P. LEVEL	CH2 Level Meter LED	"-∞" : Lights off
		"0" : Full Illuminate
MASTER BALANCE	CH3 Level Meter LED	"L" : Lights off
		"R" : Full Illuminate
BOOTH MONITOR	CH4 Level Meter LED	"-∞" : Lights off
		"0" : Full Illuminate
LEVEL/DEPTH	Master Level Meter L CH LED	"MIN" : Lights off
		"MAX" : Full Illuminate

The value of CH SELECT SW to read the selection position by the analog to digital translation can be confirmed in this group.

Volume	Lighting LED	Remark
CH Select SW	:1	-24dB to '10dB
	:2	-24dB to '4dB
	:3	-24dB to '2dB
	:4	-24dB to '0dB
	:MIC	-24dB to '-1dB
	:CF.A	-24dB to '-3dB
	:CF.B	-24dB to '-7dB
	:MASTER	-24dB to '-10dB

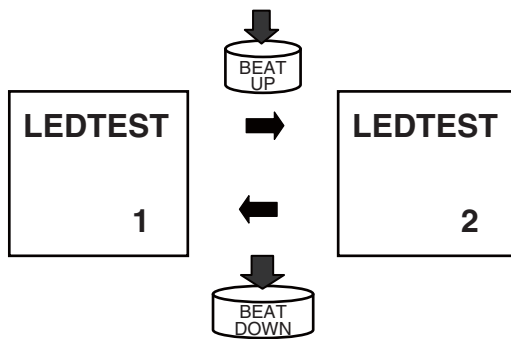
## ⑦ Mode 7 : Fader Test. "FDRTEST"

- Mode that confirms a value of each CH Fader and Cross Fader.

FADER	Lighting LED	Remark
CH1 FADER	CH1 Level Meter LED	"0" : Lights off "10" : Full Illuminate
CH2 FADER	CH2 Level Meter LED	"0" : Lights off "10" : Full Illuminate
CH3 FADER	CH3 Level Meter LED	"0" : Lights off "10" : Full Illuminate
CH4 FADER	CH4 Level Meter LED	"0" : Lights off "10" : Full Illuminate
CROSS FADER	Master Level Meter L CH LED	"A" : Full Illuminate "B" : Lights off

## ⑧ Mode 8 : Mater LED Test. "LEDTEST"

- Mode that confirms the brightness of Level Meter LED.
- In this mode, two methods of confirming lighting meter LED exist.  
Those methods is changed by pressing BEAT UP or DOWN buttons.



- confirmation method 1

If the CUE key is pressed, the LEDs for the corresponding channels of the Master Level Meter light up one by one, from the bottom upward, as follows:

If the MASTER CUE key is pressed, the LEDs for the L channel of the Master Level Meter light up.

If the EFFECTS CUE key is pressed, the LEDs for the R channel of the Master Level Meter light up.

The default all Lights off.

It is possible to return to all Lights off when pressing it 15 times again after it presses it (LED on lights most) and to repeat from the beginning.

- confirmation method 2

When the CUE key is pushed, all LED of the level meter of the channel corresponding to the key switches lighting to turning off.



## 5.2 UPDATING OF THE FIRMWARE

**Purpose:** After replacement of the MAIN PCB Assy, updating of the firmware to the latest version is required.

### Necessary software and tools

PC (With Windows 98, Me, 2000, or XP)

GGD1530 (Dedicated cable for connector conversion)

GGF1605 (Interface device: MINICUBE2)

QB-Programmer (software for updating) Refer to the next page.

Parameter file (To be used with QB-Programmer)

Firmware file

- You can obtain QB-Programmer and the parameter file from the website on the Internet. (See "How to Download the Update Software.")
- You can obtain the firmware file from Niis on the Internet.  
Connect either of the two terminals (for the main and sub-microcomputers) provided on the left side of the DJM-700 and the terminal on the MINICUBE2 with the dedicated cable. Connect the PC on which updating software has been installed and the MINICUBE2 with the USB cable supplied with the MINICUBE2.

### Connections



- Exterior view of the special cable  
Part number : GGD1530



The update target determines which terminal is used.

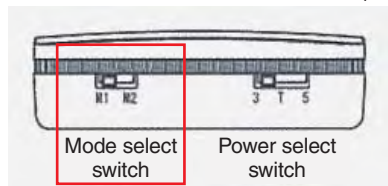
Update target	Terminal to connect with
Main microcomputer, DSP	Left side
Sub microcomputer	Right side

\* Refer to the section "5.3 How to update."

**Note:** Turn off the DJM-700 before connecting it.

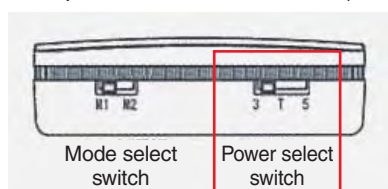
### MINICUBE2 Setting

- Set the mode for the microcomputer to be updated.  
Set the mode select switch to "M1" (left side)



\* Selecting "M1" allows you to update the DJM-700 microcomputer.  
("M2" is used for another microcomputer and is not used at this time.)

- Select the power supply for the microcomputer that needs the update.  
Set the power select switch to "3" (left side)



Switch number (printed on the device)	Power supply method	Voltage	Switch position
3	Supplied by the host machine via USB	3V	Left
T	Draws power from the target machine	Depends on the power supply	Center
5	Supplied by the host machine via USB	5V	Right

\* If either "3" or "5" is selected, it is not necessary to turn the DJM-700 on during the update.

\* To change the settings, make sure the MINICUBE2 is not connected to the host machine (LED on the MINICUBE2 is not lit).

## How to Download the Update Software

**What to download :** QB-Programmer (software for updating)

Parameter file (necessary for using QB-Programmer and is different depending on the model of the microcomputer)

**Address of the download site :** [https://www5.necel.com/micro/tool\\_reg/OdsListTop.do?lang=en](https://www5.necel.com/micro/tool_reg/OdsListTop.do?lang=en)

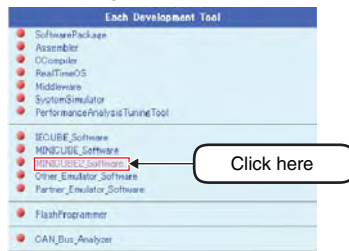
**Download procedures :**

- QB-Programmer
  1. Access the download site.
  - Top page of the download site



2. Click [MINICUBE2\_Software] under "Each Development Tool".

- Selecting MINICUBE2 for downloading



3. From [Common] under "Product Series", click [QB-Programmer V2.21 (33,143,851byte)] under "Product Name Version (File Size)" to download.

Download file name: qbp\_v221\_e.exe

Product Series	Product Name Version (File Size)	Release Date	Material
Common	MINICUBE2_Firmware V2.21 (33,143,851byte)	04-Apr-2007	Completion
	QB-Programmer V2.21 (33,143,851byte)	30-Jan-2007	Click here
V550	Integrated Debugger for V550 V2.40 (81,200,891byte)	04-Apr-2007	Click here
78K0R	Integrated Debugger for 78K0R V2.20 (3,630,191byte)	30-Jan-2007	Click here
		14-Jul-2006	

\* Click to start downloading

- Parameter file

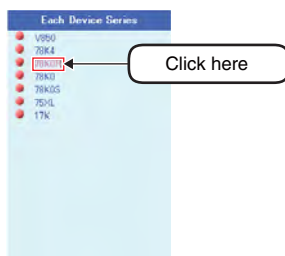
- Access the download site.

- Top page of the download site



- Click [78K0R] under "Each Device Series".

- Selecting a parameter file for downloading



- From [78K0R/KG3] under "Nickname", click either "UPD78F1164" or "UPD78F1166" under "Device Name".

\* Downloading either one does not change the file downloaded in step 4.



Nickname	Device Name
78K0R/KE3	UPD78F1142
	UPD78F1143
	UPD78F1144
	UPD78F1145
	UPD78F1146
78K0R/KF3	UPD78F1152
	UPD78F1153
	UPD78F1154
	UPD78F1155
	UPD78F1156
78K0R/KG3	UPD78F1162
	UPD78F1163
	UPD78F1164
	UPD78F1165
	UPD78F1166
	UPD78F1167
	UPD78F1168
	UPD78F1174
	UPD78F1175

Click one

A

4. From [ParameterFile\_PG-FP4\_PG-FPLx\_MINICUBE2] under "Product Type", click [PRM78F1188 V1.00 (624,746byte)] under "Product Name Version (File Size)" to download.  
Download file name : prm78f1188\_v100.exe

\* Includes parameter files and documents for multiple models of the K0R microcomputer.

Product Type	Product Name Version (File Size)	Release Date	Material
Device File	DF781100 V2.00 205,776(byte)	Complement	
		05-Nov-2009	
		File: V0.20 or later, RA78K0R V1.00 or later, CC78K0R V1.00 or later, SM78100 V2.20 or later, SM78100-S V2.20 or later, S78K0R-C0 V2.20 or later are supported. Note: SM78100-S V2.20 does not support the UPD78C1167, UPD78F1166, 78K0R-AHS, and 78K0R-VJ2.	
Parameter File: PG-FP4_PG-FPLx_MINICUBE2	PRM78F1188 V1.00 624,746(byte)	05-Nov-2009	
Device version: ALL CPU clock: No limitation Communication mode: UART			

Click here

\* Click to start downloading

B

### Setup instructions after download :

- QB-Programmer

Open the downloaded exe file and follow the instructions on-screen to install the software.

C

- Parameter file

Opening the downloaded exe files creates a folder named PRM78F1188\_V100 that contains compressed documentation files with explanations about the parameter files for various models of the K0R microcomputer. Use this information to select the appropriate parameter file for your model of the microcomputer to use with QB-Programmer.

Microcomputer listing	Serial number	Compatible parameter file
Main Microcomputer	UPD781166	78F1166.prm
Sub microcomputer	UPD781164	78F1164.prm

D

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## 5.3 HOW TO UPDATE

### ■ Procedures for Updating

1. Updating of the DSP program (only when necessary)
2. Updating of the DSP data (only when necessary)
3. Updating of the microcomputer

Note: After updating of the DSP program or/and data is completed, updating of the main microcomputer must be performed.

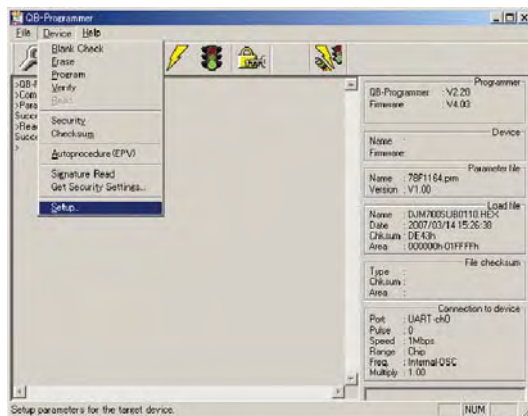
### ■ How to Update the Microcomputer

**Note:** Please turn power of DJM-700 into OFF.

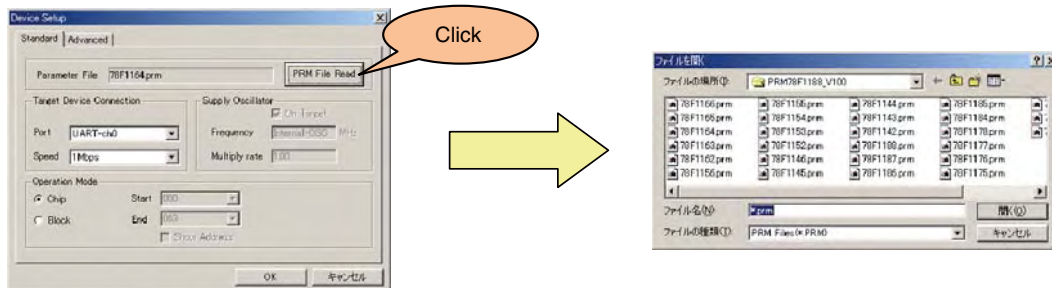
- 1) Start up QB-Programmer then perform the settings for the parameter file.  
(The settings for the parameter file must be made only the first time. After the first startup, your settings will be stored in memory. Later change in the settings is possible.)

#### How to set the parameter file:

Click on "Device" then "Setup" to display the "Device Setup" screen.



Select the appropriate parameter file for the chip on the "Device Setup" screen from the "Parameter File" list on the "Standard" tab.



Click "OK" to finish the setup.

Parameter file for each microcomputer

Microcomputer	Parameter file	Chip model number
Main	78F1166.prm	μPD78F1166
Sub	78F1164.prm	μPD78F1164

A

2) Set the command options after setting the parameter file.

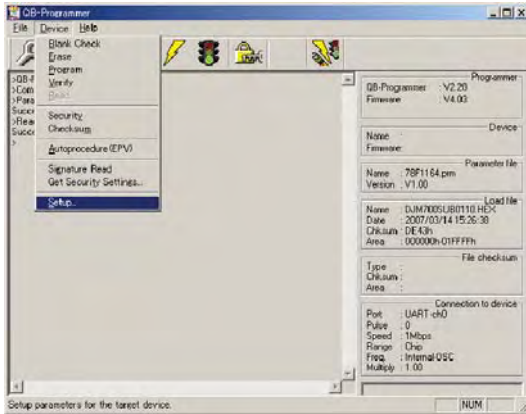
(You only need to set the command options the first time you start the program \*1)

\*1 Command option settings are cleared when you change the parameter file, making it necessary to reconfigure the settings.

Setup procedure:

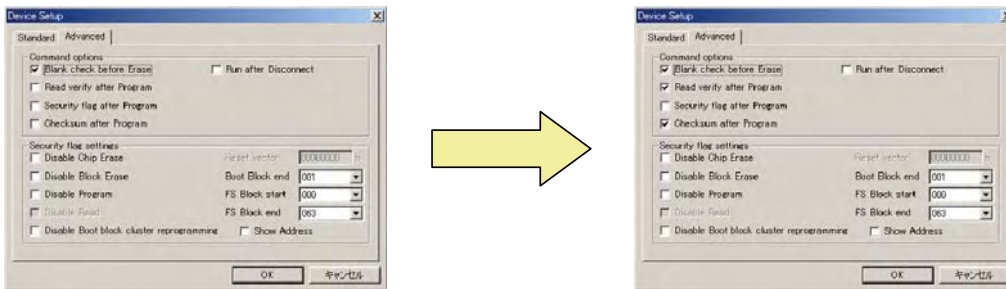
Display the "Device Setup" screen by selecting "Setup" from the "Device" menu.

B



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Under the "Advanced" tab, check the following check boxes under "Command options" on the "Device Setup" screen.



D

Click "OK" to finish the setup.

Items to check	Description of the command option
Blank check before erase	Checks if the chip is blank before erasure (decides erasure is unnecessary if the area is blank.)
Read verify after Program	Automatically verifies newly downloaded firmware.
Checksum after Program	Automatically performs a checksum on newly downloaded firmware.

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# B

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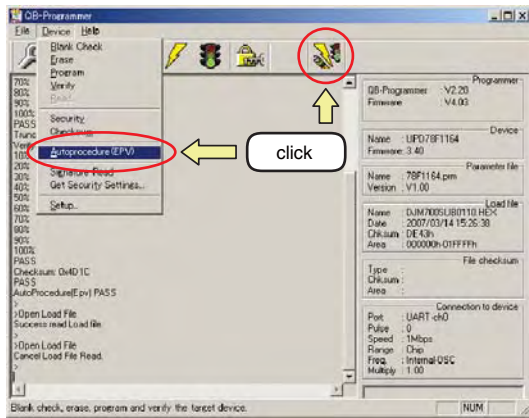
F



4) Download the new firmware to the microcomputer.

Setup procedure:

Select "Autoprocedure (EPV)" from the "Device" menu or click the "Autoprocedure" icon.

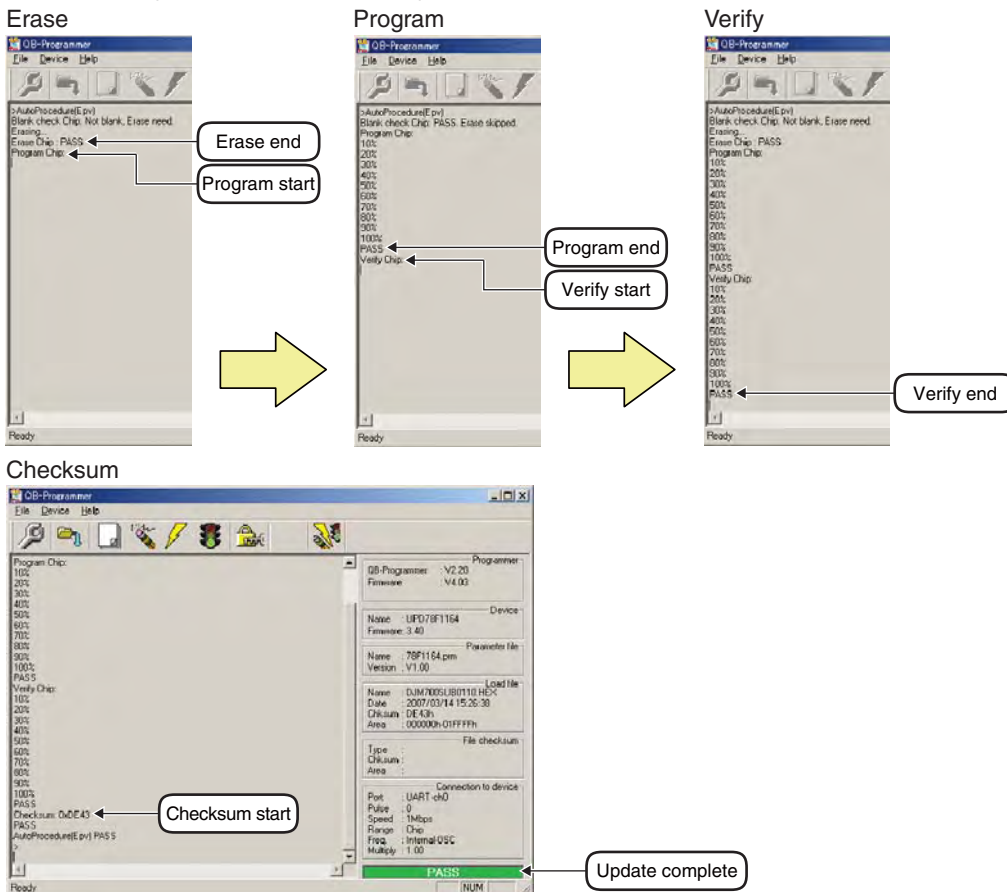


Update with Autoprocedure is performed in the following order.

- The old firmware is erased from the microcomputer (erase). If old firmware does not exist (blank), this step is skipped.
- New firmware is downloaded (Program)
- Verification performed (Verify) \*2
- Checksum performed (Checksum) \*2

\*2 Must be configured under command options.

However, you can still use the verify and Checksum functions.



5) Close the QB-Programmer and disconnect the host machine from the MINICUBE2 (USB).

**Note:** After updating is completed, enter Mode 1 (Confirmation of software version) of Test mode to check if the versions have been all updated.



## ■ How to Update the DSP Program/Date

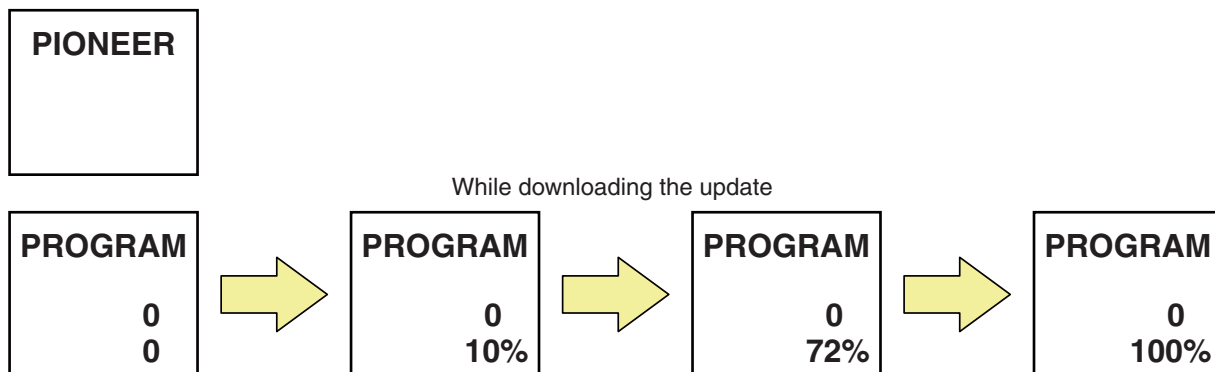
### Notes:

- Please turn power of DJM-700 into OFF.
  - If updating of both the DSP program and data is necessary, the following updating procedures must be performed separately for the program and data.
- 1) Referring to "How to Update the Main Microcomputer," download the firmware for updating the DSP program/data. Use the parameter file "78F1166.prm" for the main microcomputer.
    - Please turn power of DJM-700 into OFF.
  - 2) After downloading of the firmware is completed, disconnect the MINICUBE2 from the DJM-700 then turn the DJM-700 ON.  
Updating of the DSP program or data will be automatically started and completed.

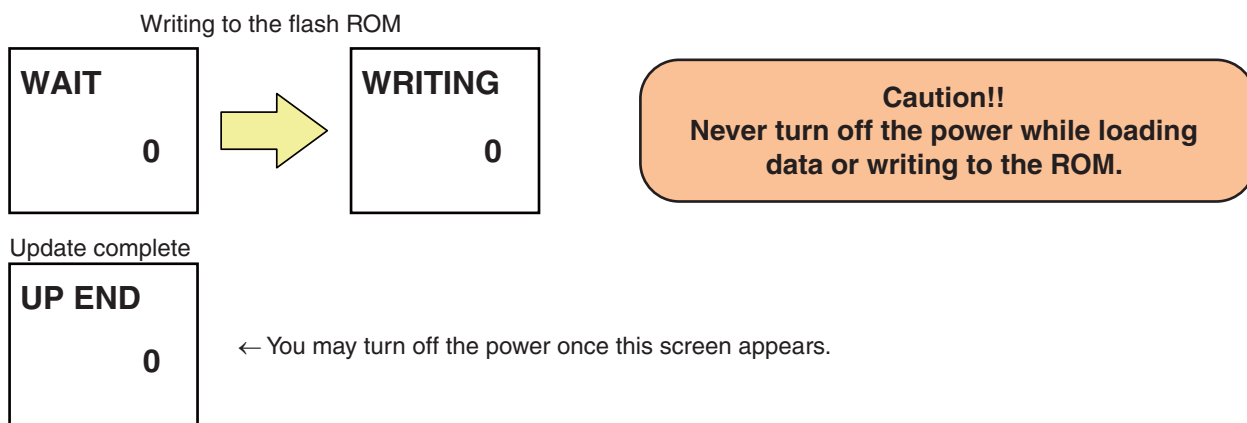
### Caution!!

If the DJM-700 is on during the download, the DSP update is performed immediately after the MINICUBE2 is disconnected. (This is because the DJM-700 is in reset status when connected to the host machine by the MINICUBE2 and reset status is cleared when the DJM-700 is disconnected.)  
In this situation, do not turn off the power until the following DSP update complete screen is displayed.  
Do not turn off the power during the update. Otherwise, the DSP may not restart.

- Modifying the FL display during the update (for the DSP program update)



\* "DATA" is displayed instead of "PROGRAM" while updating the DSP data.



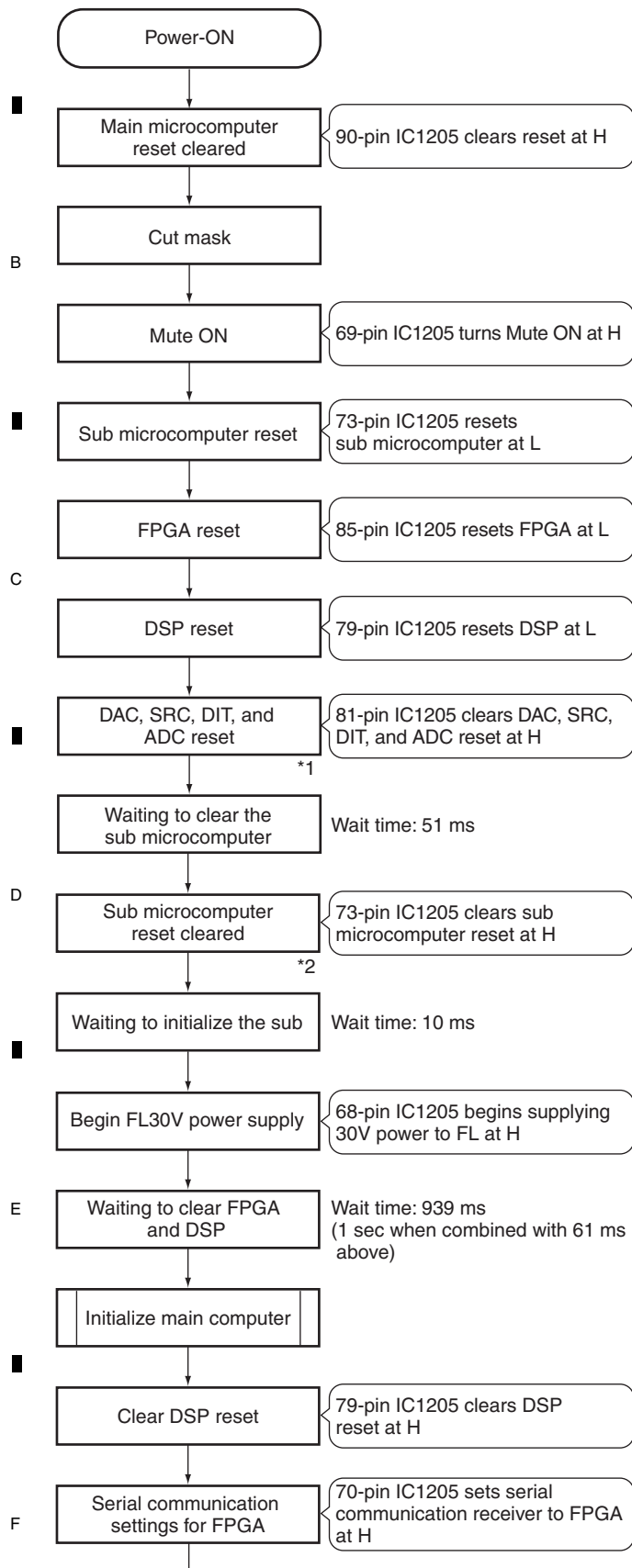
- 3) After DSP updating is completed, perform the firmware update of the main microcomputer.  
If it does not perform this update, this unit cannot use the normal function.

**Note:** After updating is completed, enter Mode 1 (Confirmation of software version) of Test mode to check if the versions have been all updated.

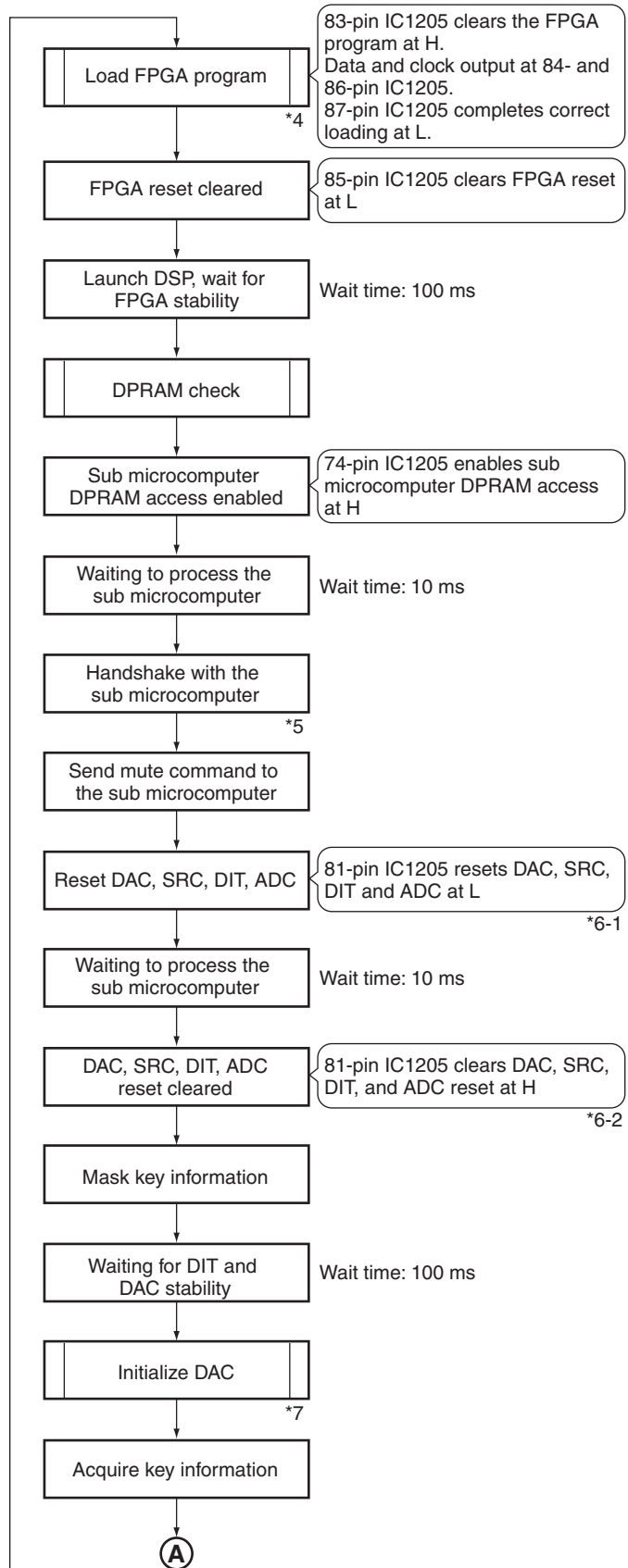
## 5.4 POWER ON SEQUENCE

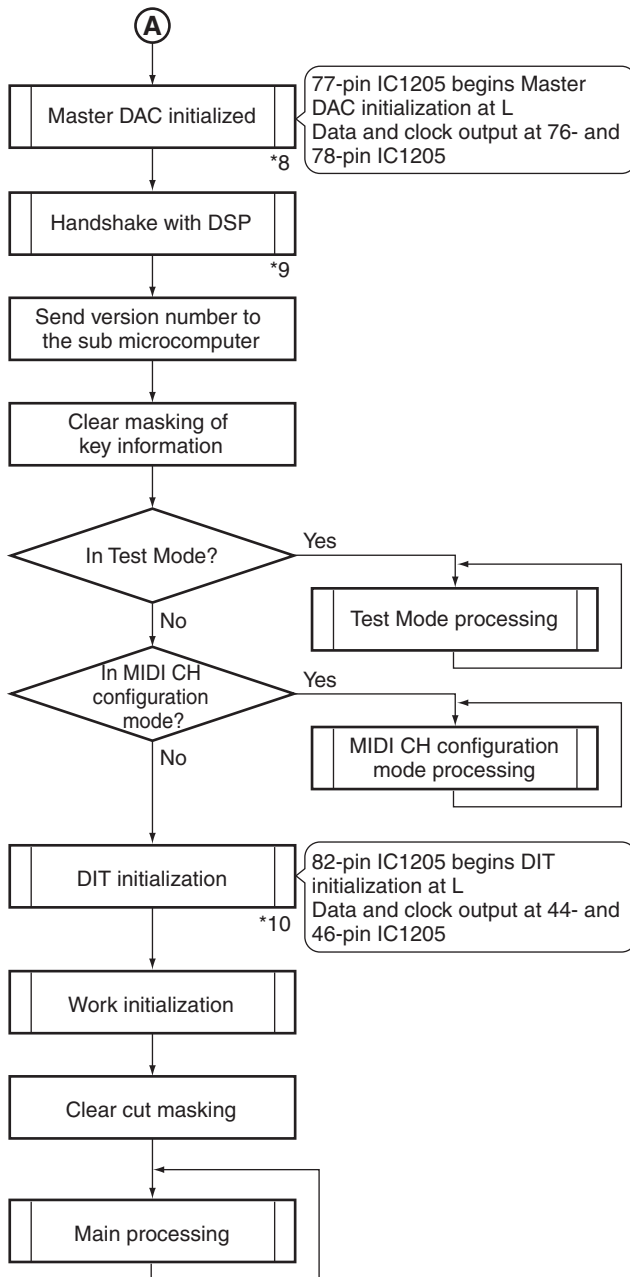
A

### ● Main microcomputer



F





\* 1: In order to clarify signal standing edge during reset, the signal is temporarily set to H. Further processing drops it to L and then it is returned to H (at \*6).

\* 6 1-2: Clears the DAC reset

\* 2 to 5, 7 to 9: If there is a failure in an IC initialization or with a handshake, normal startup is deemed impossible at that point and processing from that point is aborted. (Internal processes enter unending loop processing.)

A

## ● Sub microcomputer

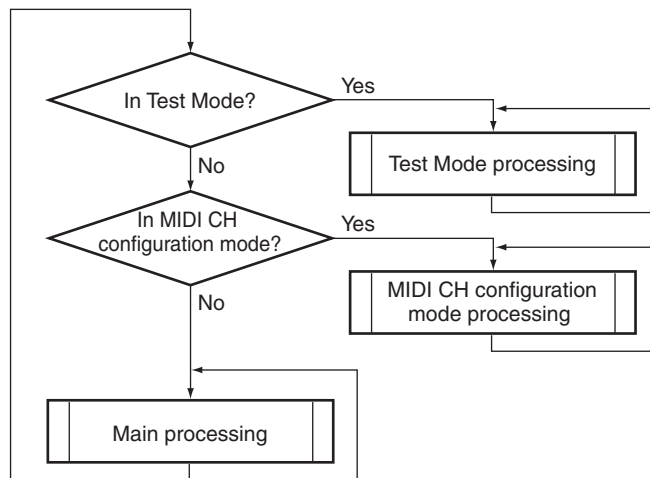
B

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\* 1 to 4: If these processes do not end within 20 seconds, there is a problem. Move to \*5 Error Display Mode processing.

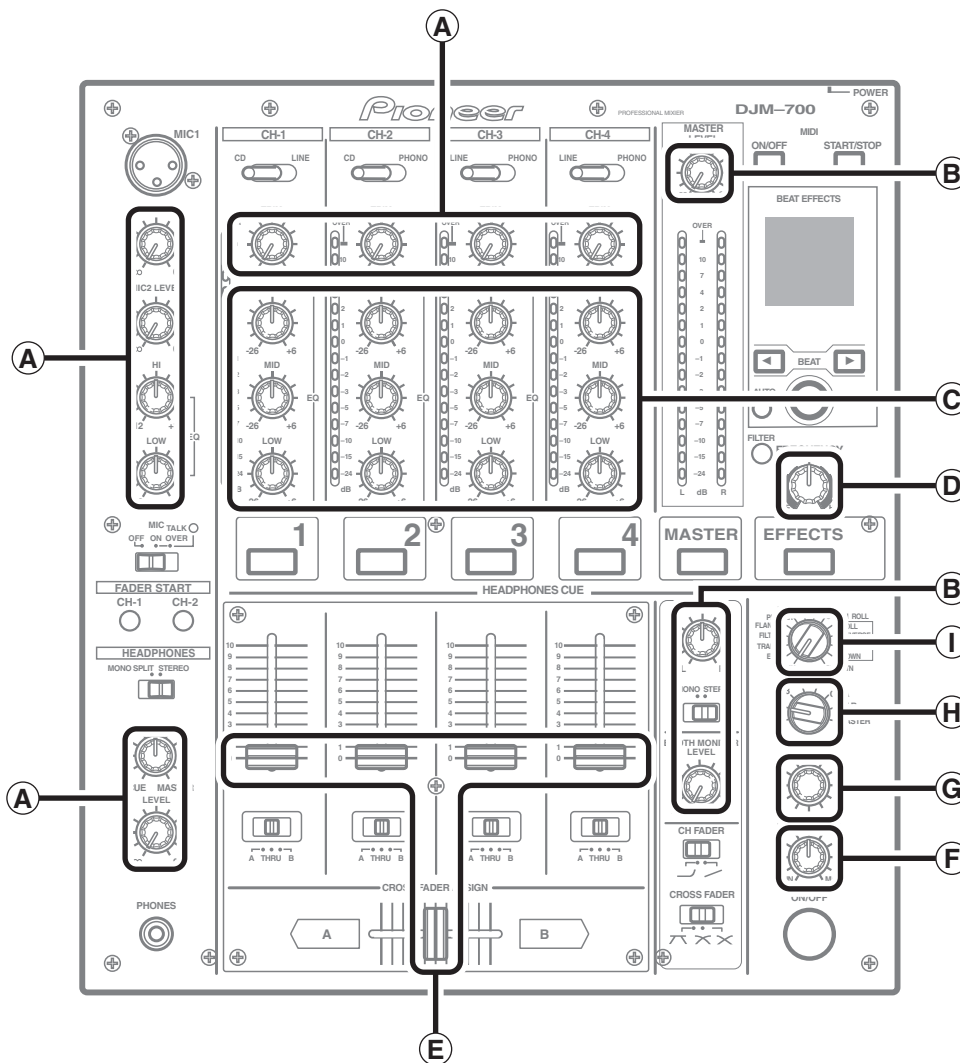
## 6. SERVICE MODE

- There is no information to be shown in this chapter.

# 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** Knob (BLACK)  
(DAA1212) ×10



**D** Rotary SW knob (HM)  
(DAA1197) ×1



**G** Knob (TIME)  
(DAA1214) ×1



**B** Knob (MA)  
(DAA1210) ×3



**E** Slider knob (L2)  
(DAC2371) ×5



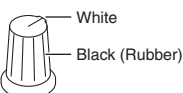
**H** FX SEL knob  
(DAA1213) ×1



**C** Rotary SW knob (G)  
(DAA1219) ×12



**F** Rotary knob (BN)  
(DAA1220) ×1



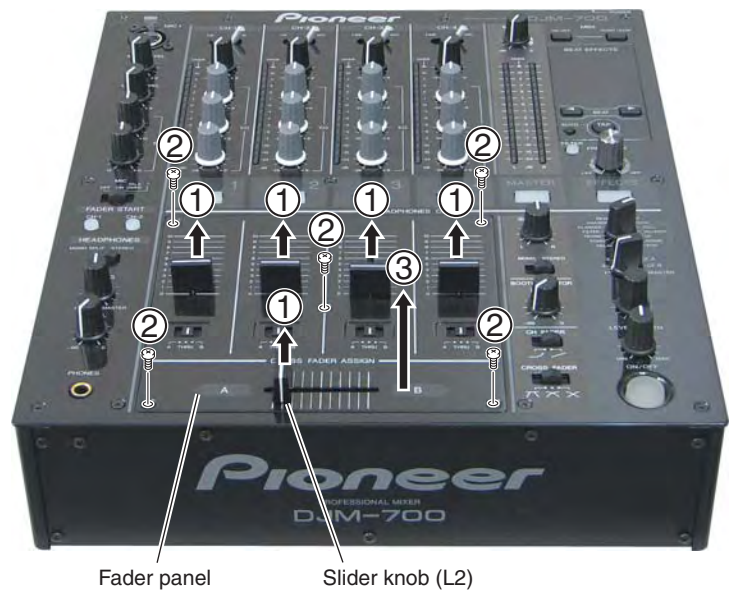
**I** Select knob  
(DAA1205) ×1



## DISASSEMBLY

### 1 Fader

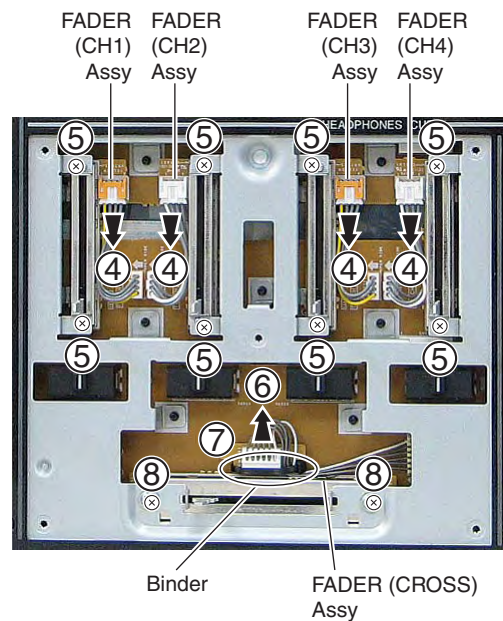
- ① Remove the 5 slider knob (L2).
- ② Remove the 5 screws.
- ③ Remove the fader panel.



- ④ Disconnect the 4 connectors.
- ⑤ Remove the 8 screws.
- ⑥ Disconnect the connector.
- ⑦ Cut the binder.
- ⑧ Remove the 2 screws.



**Exchange**





## 2 Control Panel

- ① Remove the 6 Knobs (BLACK).
- ② Remove the 2 screws.
- ③ Remove the 2 screws.
- ④ Remove the 6 screws.
- ⑤ Remove the 2 screws.



### Note:

Be sure to remove the screws that secure the MIC. Not doing so may result in damage to the connector.

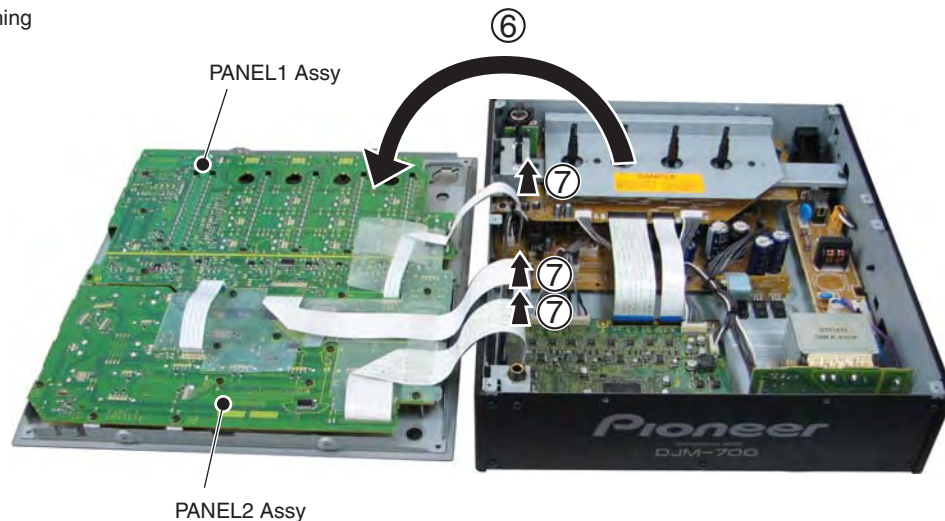


Note: Be sure to remove these screws.



Control panel

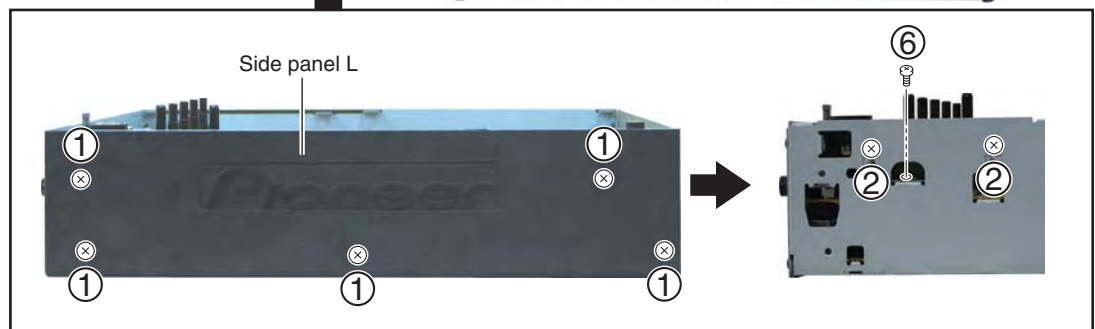
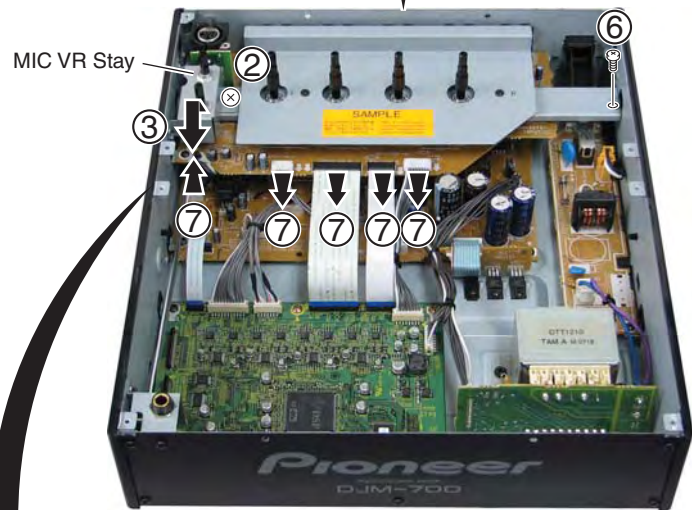
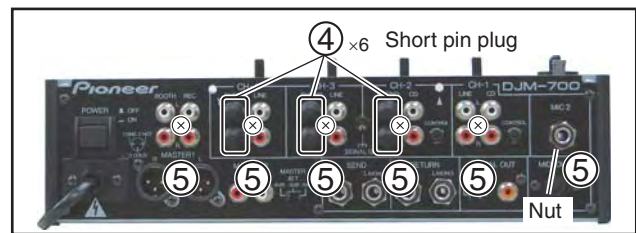
- ⑥ Remove the control panel by opening it in the direction of the arrow.
- ⑦ Unplug the 3 flexible cables.



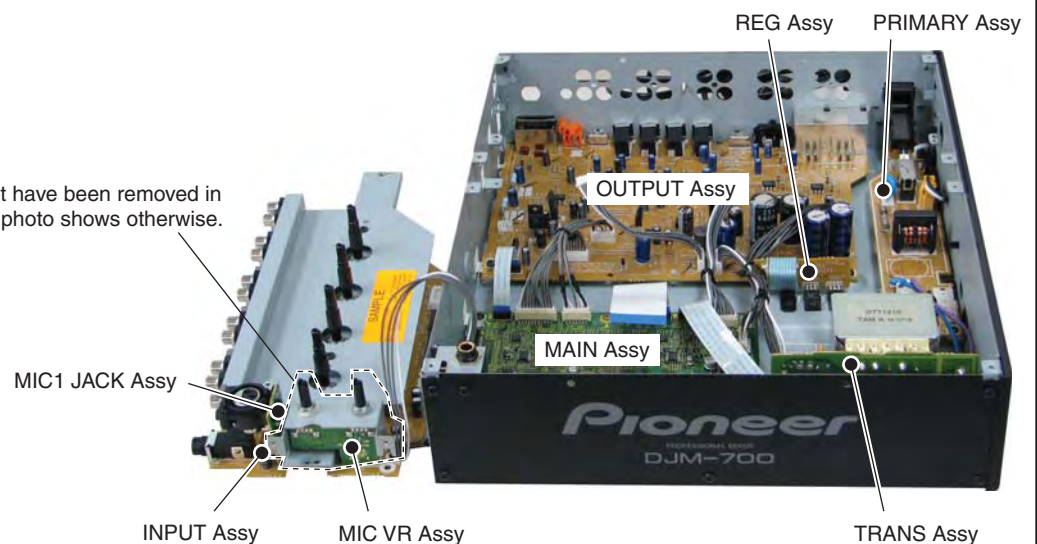


### 3 INPUT Assy

- ① Remove the 5 screws to remove the side panel L.
- ② Remove the 3 screws.
- ③ Remove the MIC VR stay by sliding it up and forward.
- ④ Remove the 6 short pin plugs.
- ⑤ Remove the 5 screws and nuts.
- ⑥ Remove the 2 screws.
- ⑦ Remove the 3 connectors and the 2 flexible cables.



These parts in the photo must have been removed in Steps ② and ③ although the photo shows otherwise.



# 8. EACH SETTING AND ADJUSTMENT

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- There is no information to be shown in this chapter.

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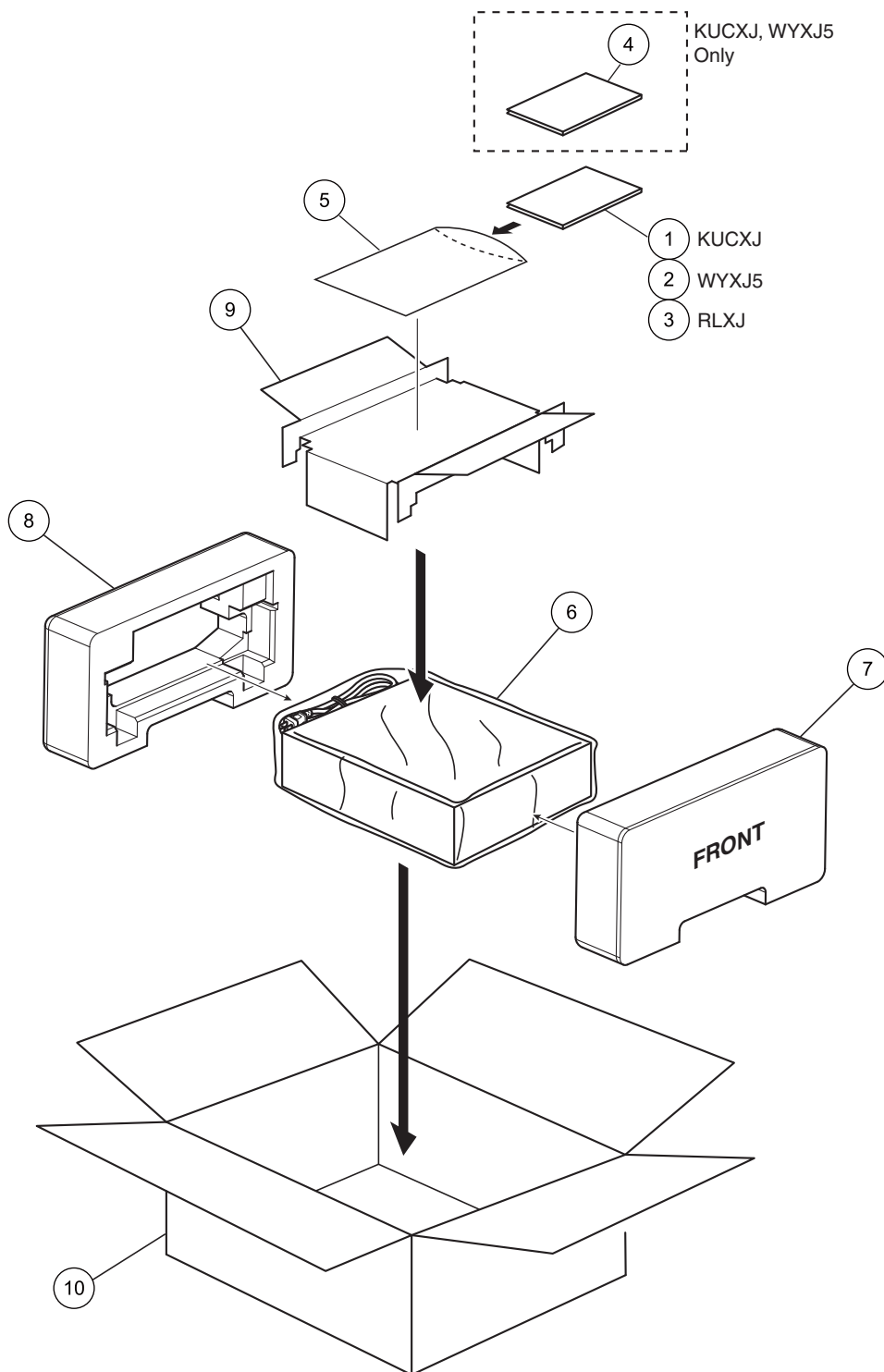
■

## 9. EXPLODED VIEWS AND PARTS LIST

NOTES:

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to  mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual.  
(In the case of no amount instructions, apply as you think it appropriate.)

### 9.1 PACKING SECTION



## (1) PACKING SECTION PARTS LIST

Mark No.	Description	Part No.
1	Operating Instructions (English)	See Contrast table (2)
2	Operating Instructions (English, French, German, Italian, Dutch, Spanish, Russian)	See Contrast table (2)
3	Operating Instructions (English, Spanish, Chinese)	See Contrast table (2)
NSP 4	Warranty Card	See Contrast table (2)
NSP 5	Polyethylene Bag (0.06 x 230 x 340)	AHG7117
6	Packing Sheet	AHG7010
7	Pad F	DHA1741
8	Pad R	DHA1742
9	Pad T	DHA1764
10	Carton Box	See Contrast table (2)

## (2) CONTRAST TABLE

DJM-700-S/KUCXJ, WYXJ5, RLXJ, DJM-700-K/KUCXJ, WYXJ5 and RLXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-700-S /KUCXJ	DJM-700-S /WYXJ5	DJM-700-S /RLXJ	DJM-700-K /KUCXJ	DJM-700-K /WYXJ5	DJM-700-K /RLXJ
	1	Operating Instructions (English)	DRB1426	Not used	Not used	DRB1426	Not used	Not used
	2	Operating Instructions (English, French, German, Italian, Dutch, Spanish, Russian)	Not used	DRB1425	Not used	Not used	DRB1425	Not used
	3	Operating Instructions (English, Spanish, Chinese)	Not used	Not used	DRB1427	Not used	Not used	DRB1427
NSP	4	Warranty Card	ARY7043	ARY7107	Not used	ARY7043	ARY7107	Not used
	10	Carton Box	DHG2690	DHG2689	DHG2691	DHG2696	DHG2695	DHG2715

## 9.2 EXTERIOR SECTION

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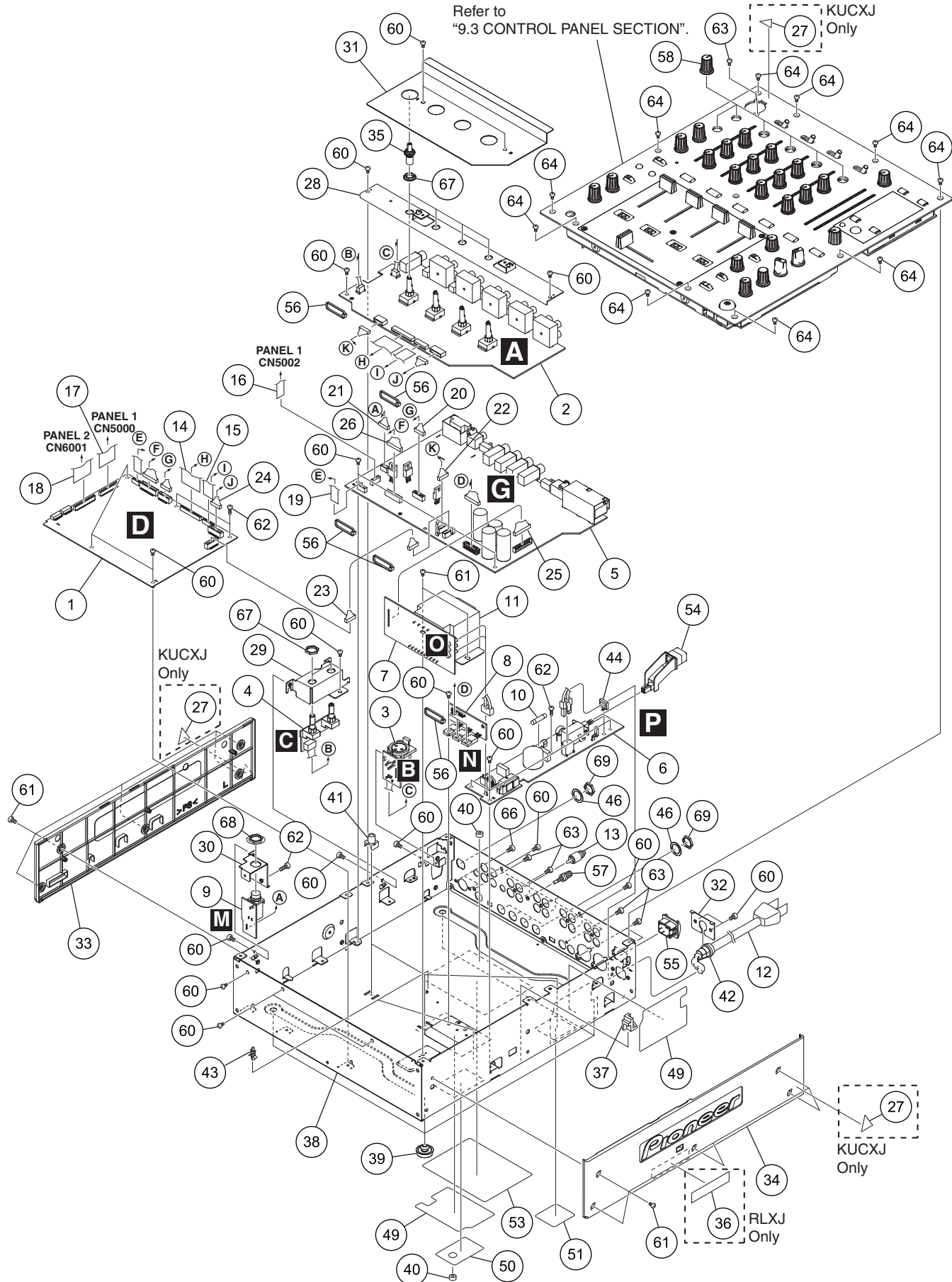
D

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Refer to  
"9.3 CONTROL PANEL SECTION".

KUCXJ  
Only







## (1) EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.	
1	MAIN Assy	DWX2674	46	Washer	DEC2920	
2	INPUT Assy	DWX2675	47	•••••		A
3	MIC1 JACK Assy	DWX2685	48	•••••		
4	MIC VR Assy	DWX2686	49	Bottom Sheet A	DEC3020	
5	OUTPUT Assy	DWX2676	50	Bottom Sheet B	DEC3021	
⚠ 6	PRIMARY Assy	See Contrast table (2)	51	Bottom Sheet C	DEC3022	
7	TRANS Assy	See Contrast table (2)	52	•••••		
8	REG Assy	DWX2689	NSP 53	Label	See Contrast table (2)	
9	HP JACK Assy	DWX2690	54	Button (POWER)	DAC2394	
⚠ 10	Fuse (FU1901:T500mA)	AEK1051	55	Power Knob Guard	DNK4534	
⚠ 11	Power Transformer	See Contrast table (2)	56	Binder	ZCA-SKB90BK	B
⚠ 12	AC Power Cord	See Contrast table (2)	57	Terminal Screw	AKE-031	
13	Short Pin Plug	AKM7008	58	Knob (BLACK)	DAA1212	
14	30P FFC	DDD1362	59	•••••		
15	16P FFC	DDD1363	60	Screw	BBZ30P060FTB	
16	11P FFC	DDD1366	61	Screw	BBZ40P060FTB	
17	27P FFC	DDD1367	62	Screw	BCZ30P140FTC	
18	31P FFC	DDD1368	63	Screw	BPZ30P080FTB	
19	9P FFC	DDD1364	64	Screw	See Contrast table (2)	
20	Connector Assy	DKP3787	65	•••••		C
21	Connector Assy	PF04PP-D27	66	Screw	PMH30P100FTB	
22	Connector Assy	PF06PP-D10	67	Flange Nut M9	DBN1008	
23	Connector Assy	PF07PP-S12	68	Flange Nut M12	DBN1012	
24	Connector Assy	PF08PP-D12	69	Nut M12	NKX2FNI	
25	Connector Assy	PF10EE-S22				
26	Connector Assy	PF11PP-D10				
NSP 27	Label	See Contrast table (2)				
28	Trim Stay	DNF1765				
29	MIC VR Stay	DNF1766				D
30	HP Stay	DNF1767				
31	Input Shield	DNF1770				
32	Power Cord Stay	DNF1792				
33	Side Panel L	DNK4945				
34	Side Panel R	See Contrast table (2)				
35	Extension Shaft	DNK4948				
NSP 36	V Select Label	See Contrast table (2)				
37	Stopper (Screw)	DNK5084				
38	Chassis Assy	See Contrast table (2)				E
39	Foot Assy	REC-434				
40	Spacer	AEB7092				
41	PCB Mold (PP)	AMR2534				
42	Cord Stopper	See Contrast table (2)				
43	Spacer	DEC2369				
44	Locking Mini Clamp	DEC2439				
45	•••••					F

**(2) CONTRAST TABLE**

DJM-700-S/KUCXJ, WYXJ5, RLXJ, DJM-700-K/KUCXJ, WYXJ5 and RLXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-700-S /KUCXJ	DJM-700-S /WYXJ5	DJM-700-S /RLXJ	DJM-700-K /KUCXJ	DJM-700-K /WYXJ5	DJM-700-K /RLXJ
A		6 PRIMARY Assy	DWX2687	DWX2687	DWX2692	DWX2687	DWX2687	DWX2692
	7	TRANS Assy	DWX2688	DWX2688	DWX2757	DWX2688	DWX2688	DWX2757
		11 Power Transformer	DTT1209	DTT1208	DTT1208	DTT1209	DTT1208	DTT1208
		12 AC Power Cord	VDG1075	Not used	Not used	VDG1075	Not used	Not used
		12 Power Cord with Plug	Not used	VDG1061	VDG1061	Not used	VDG1061	VDG1061
B	NSP	27 Label	DRW1975	Not used	Not used	DRW1975	Not used	Not used
	34	Side Panel R	DNK4946	DNK4946	DNK4947	DNK4946	DNK4946	DNK4947
	NSP	36 V Select Label	Not used	Not used	DRW2349	Not used	Not used	DRW2349
	38	Chassis Assy	DXB1952	DXB1951	DXB1951	DXB1952	DXB1951	DXB1951
	42	Cord Stopper	CM-22C	CM-22B	CM-22B	CM-22C	CM-22B	CM-22B
C	NSP	53 Label	DRW2351	DRW2350	DRW2352	DRW2357	DRW2356	DRW2358
	64	Screw	CCZ30P060FNI	CCZ30P060FNI	CCZ30P060FNI	CCZ30P060FTB	CCZ30P060FTB	CCZ30P060FTB





5



6



7



8



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B



C



D



E



F



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6



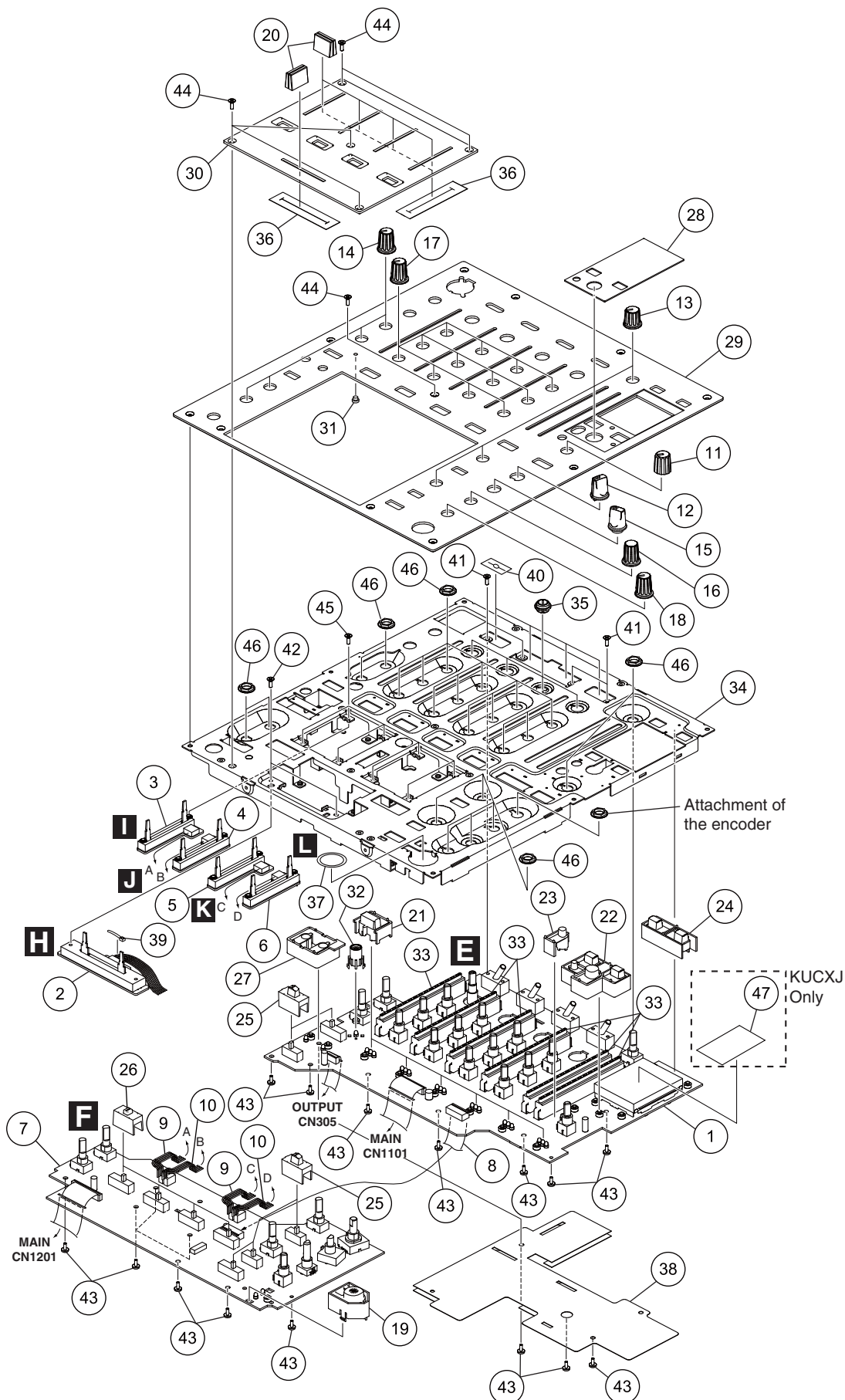
7



8



## 9.3 CONTROL PANEL SECTION



## (1) CONTROL PANEL SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	PANEL 1 Assy	DWX2677	26	Slide SW Cap (W)	DAC2401
2	FADER (CROSS) Assy	DWX2680	27	Button (FS)	DAC2422
3	FADER (CH1) Assy	DWX2681	28	Display Window	See Contrast table (2)
4	FADER (CH2) Assy	DWX2682	29	Control Panel	See Contrast table (2)
5	FADER (CH3) Assy	DWX2683	30	Fader Panel	See Contrast table (2)
6	FADER (CH4) Assy	DWX2684	31	Lens	DNK4532
7	PANEL 2 Assy	DWX2678	32	Lens Holder	DNK4533
8	13P FFC	DDD1369	33	Level Meter Assy	DXB1882
9	Connector Assy	PF04PP-B05	34	Panel Stay	DNF1764
10	Connector Assy	PF04PP4B05	35	Bush	DNK4996
11	Rotary SW Knob (HM)	DAA1197	36	Fader Packing	DEC2903
12	Select Knob	DAA1205	37	SW Packing	DEC2929
13	Knob (MA)	DAA1210	38	Barrier (PANEL)	DEC3009
14	Knob (BLACK)	DAA1212	39	Binder	ZCA-SKB90BK
15	FX SEL Knob	DAA1213	40	SW Packing	DED1177
16	Knob (TIME)	DAA1214	41	Screw	AMZ26P040FTC
17	Rotary SW Knob (G)	DAA1219	42	Screw	AMZ30P040FTC
18	Rotary Knob (BN)	DAA1220	43	Screw	BBZ30P060FTB
19	Effect Knob	DAC2304	44	Screw	See Contrast table (2)
20	Slider Knob (L2)	DAC2371	45	Screw	PMA20P040FTC
21	Button (CUE)	DAC2395	46	Flange Nut M9	DBN1008
22	Button (TAP)	DAC2397	47	Barrier (FL)	See Contrast table (2)
23	Button (FL)	DAC2398			
24	Button (MIDI)	DAC2399			
25	Slide SW Cap	DAC2400			

## (2) CONTRAST TABLE

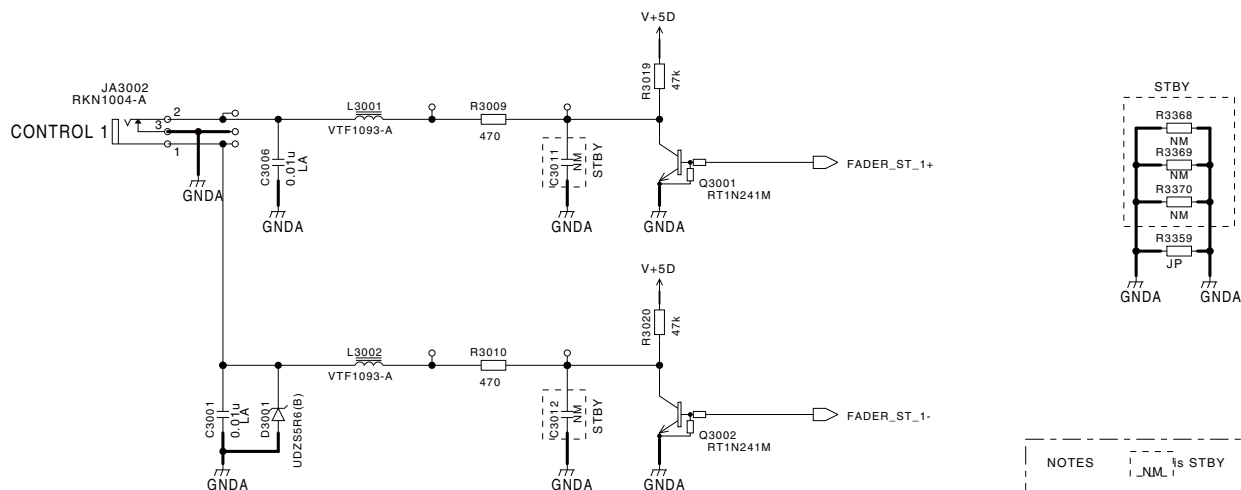
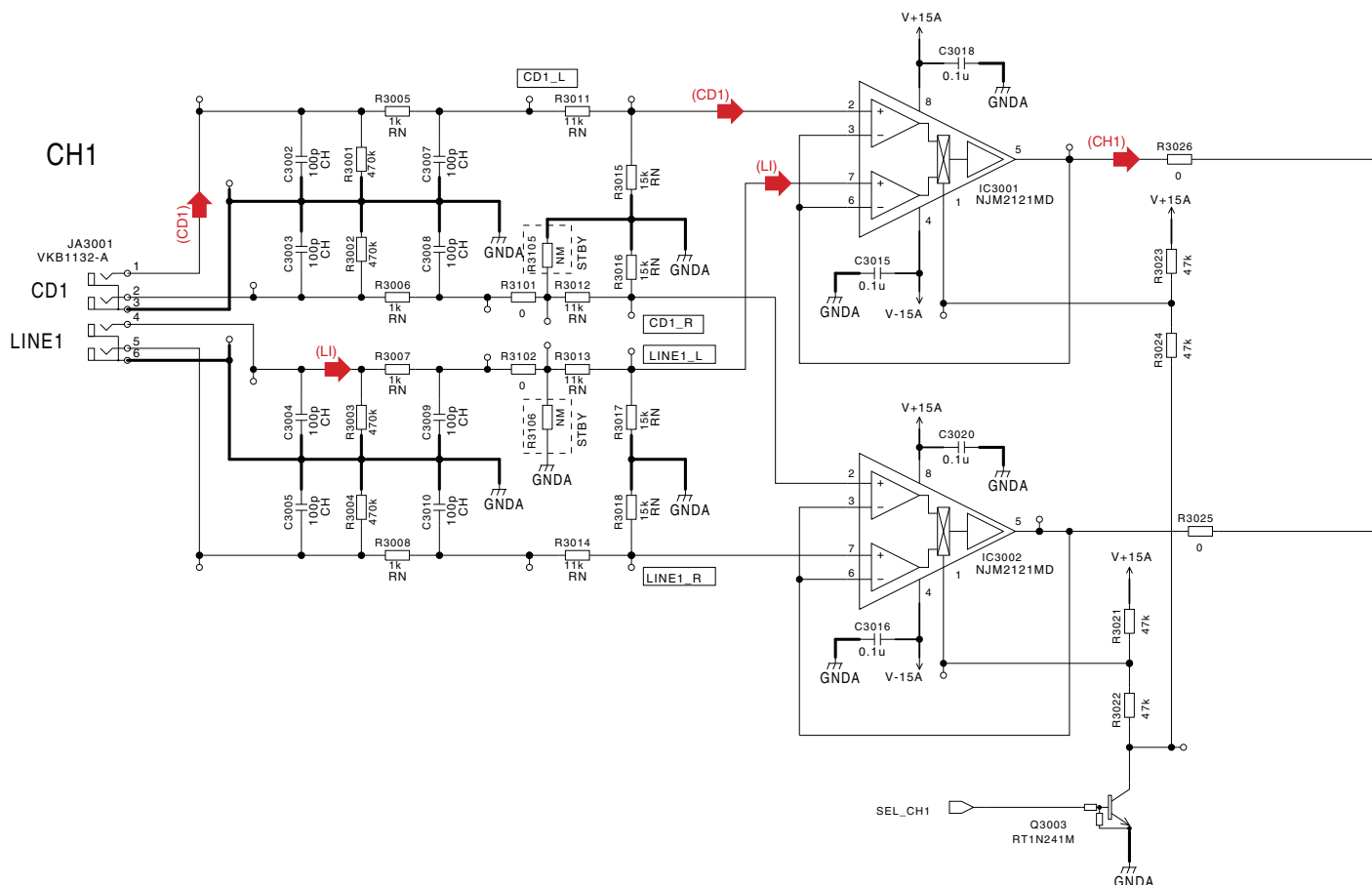
DJM-700-S/KUCXJ, WYXJ5, RLXJ, DJM-700-K/KUCXJ, WYXJ5 and RLXJ are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-700-S /KUCXJ	DJM-700-S /WYXJ5	DJM-700-S /RLXJ	DJM-700-K /KUCXJ	DJM-700-K /WYXJ5	DJM-700-K /RLXJ
	28	Display Window S	DAH2542	DAH2542	DAH2542	Not used	Not used	Not used
	28	Display Window B	Not used	Not used	Not used	DAH2543	DAH2543	DAH2543
	29	Control Panel	DNB1152	DNB1152	DNB1152	Not used	Not used	Not used
	29	Control Panel B	Not used	Not used	Not used	DNB1153	DNB1153	DNB1153
	30	Fader Panel	DNB1154	DNB1154	DNB1154	Not used	Not used	Not used
	30	Fader Panel B	Not used	Not used	Not used	DNB1155	DNB1155	DNB1155
	44	Screw	CCZ30P060FNI	CCZ30P060FNI	CCZ30P060FNI	CCZ30P060FTB	CCZ30P060FTB	CCZ30P060FTB
	47	Barrier (FL)	DEC3058	Not used	Not used	DEC3058	Not used	Not used

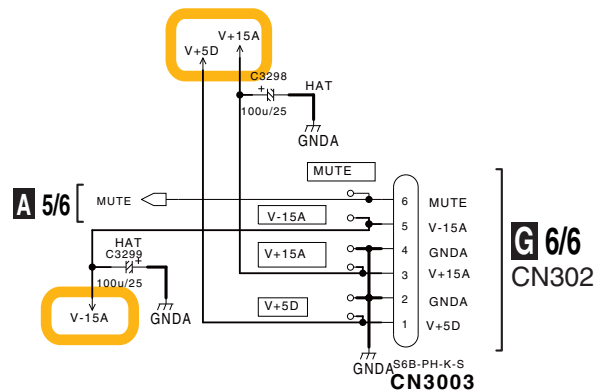
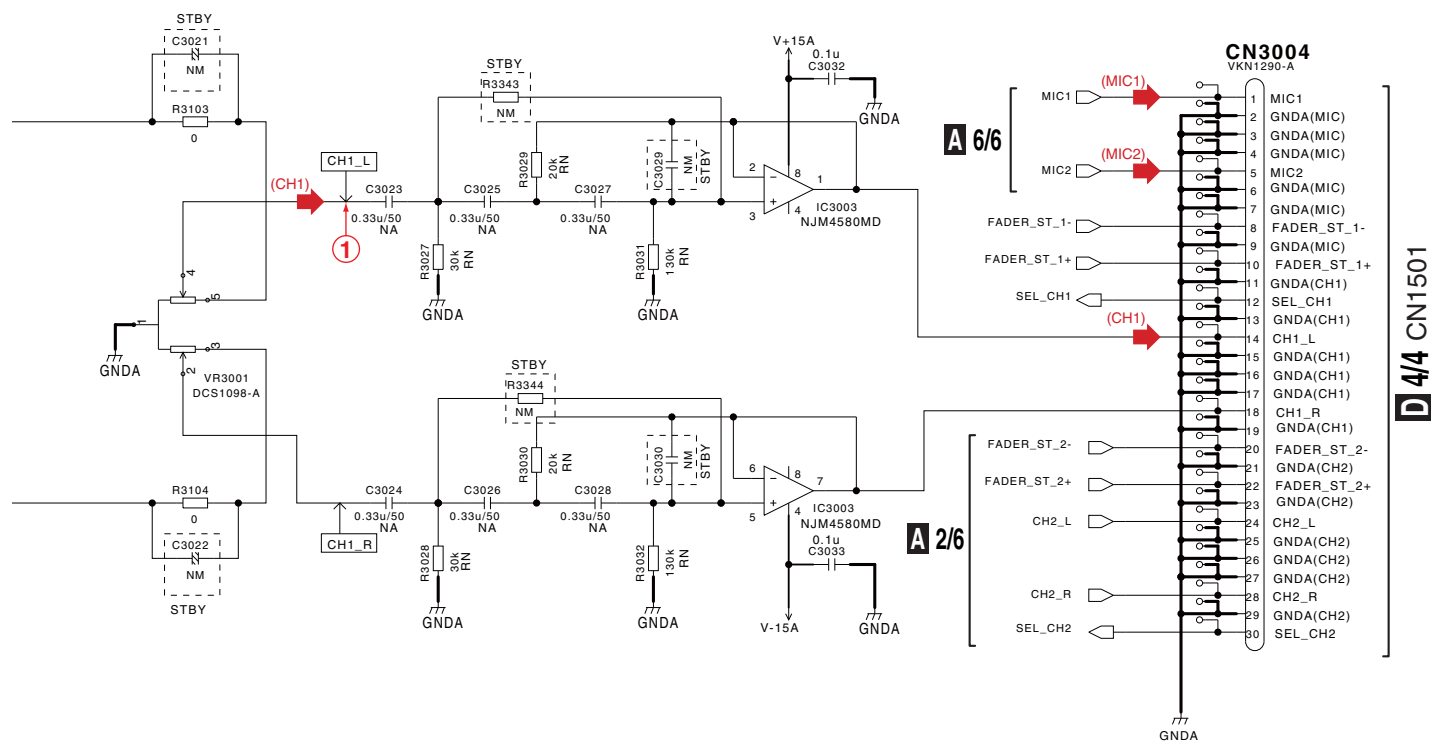
# 10. SCHEMATIC DIAGRAM

## 10.1 INPUT ASSY (1/6)

### A 1/6 INPUT ASSY (DWX2675)



NOTES	STBY
RS1/16S****J	
RN RN1/16SE****D	
CKSRYB	
CCSRCH	
CFTLA	
CQMA	
CFTNA	
CEAT	
CEALNP	
CEHAT	



**AUDIO SIGNAL ROUTE**

(CD1) : CD INPUT L CH SIGNAL

(LI) : LINE INPUT L CH SIGNAL

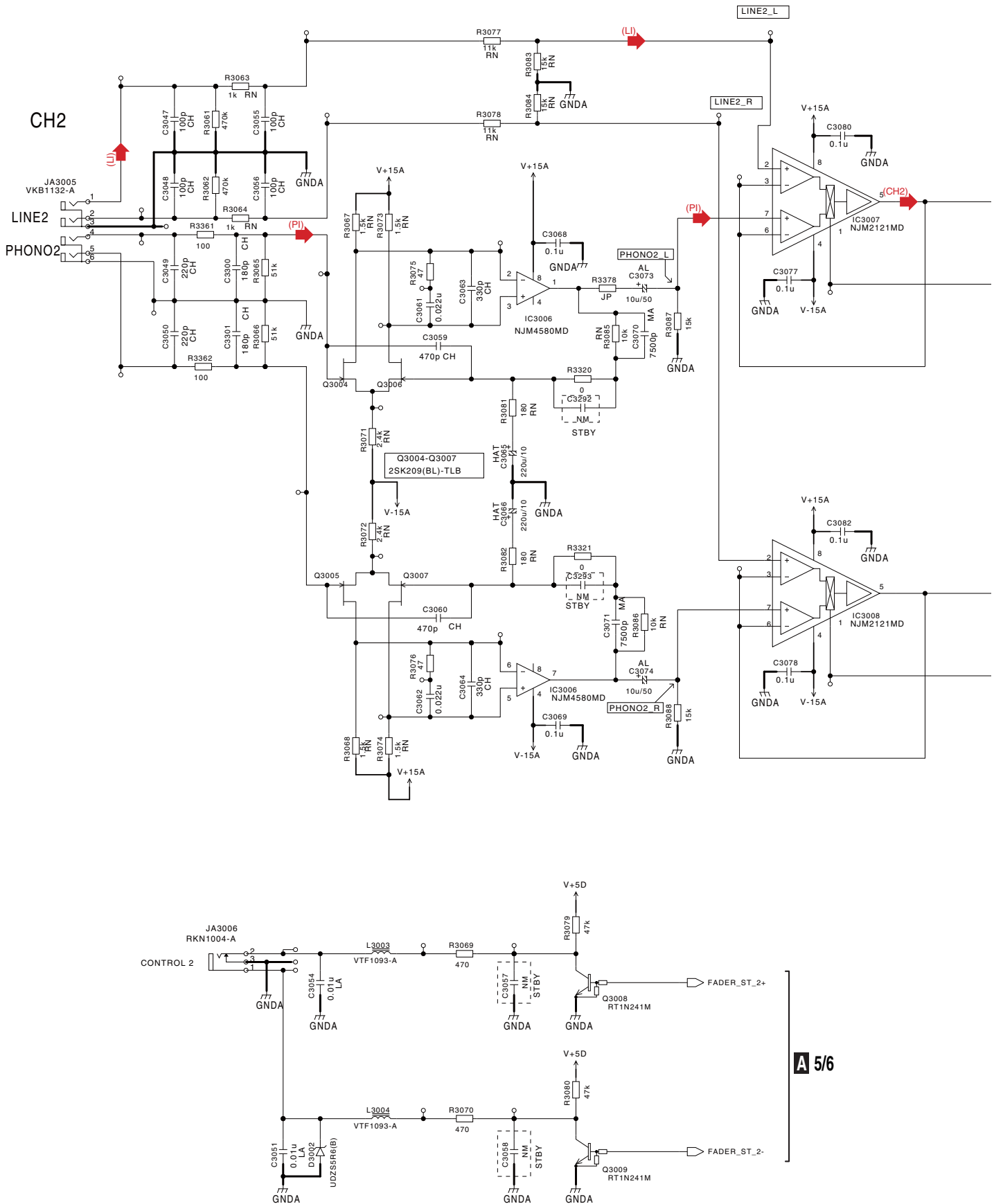
(CH1) : CH1 L CH SIGNAL

(MIC1) : MIC1 CH SIGNAL

(MIC2) : MIC2 CH SIGNAL

## A 2/6 INPUT ASSY (DWX2675)

A

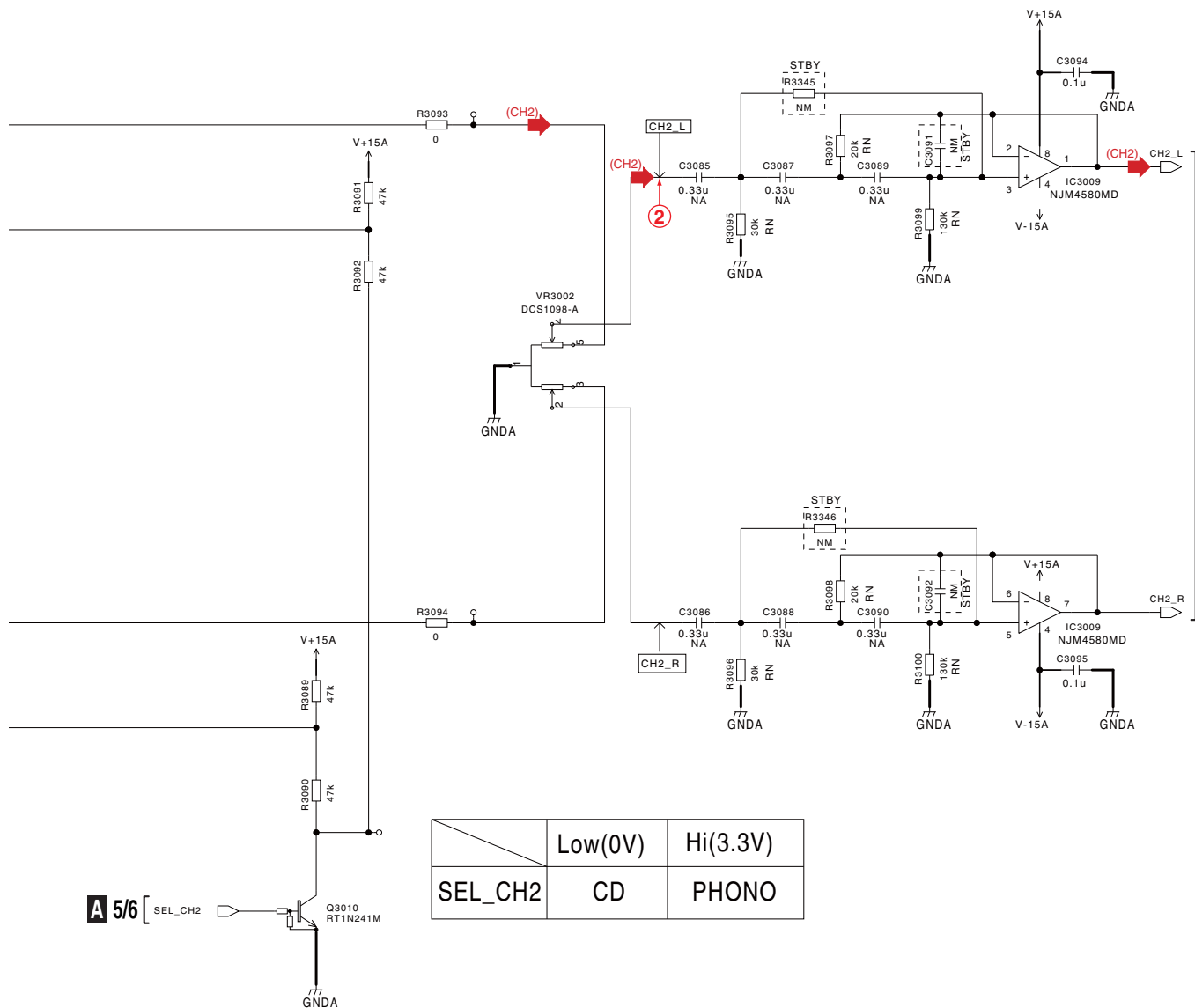


E

F

## AUDIO SIGNAL ROUTE

- (PI) ➡ : PHONO INPUT L CH SIGNAL  
 (LI) ➡ : LINE INPUT L CH SIGNAL  
 (CH2) ➡ : CH2 L CH SIGNAL

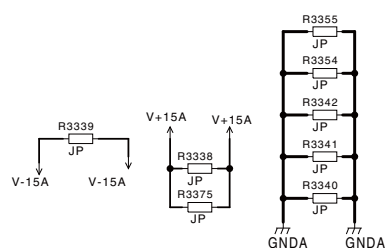
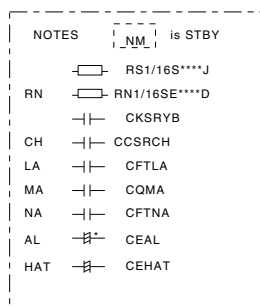


A 5/6

SEL\_CH2

Q3010  
RT1N241M

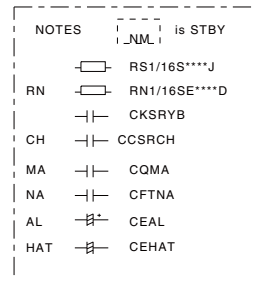
GNDA



A 2/6

59

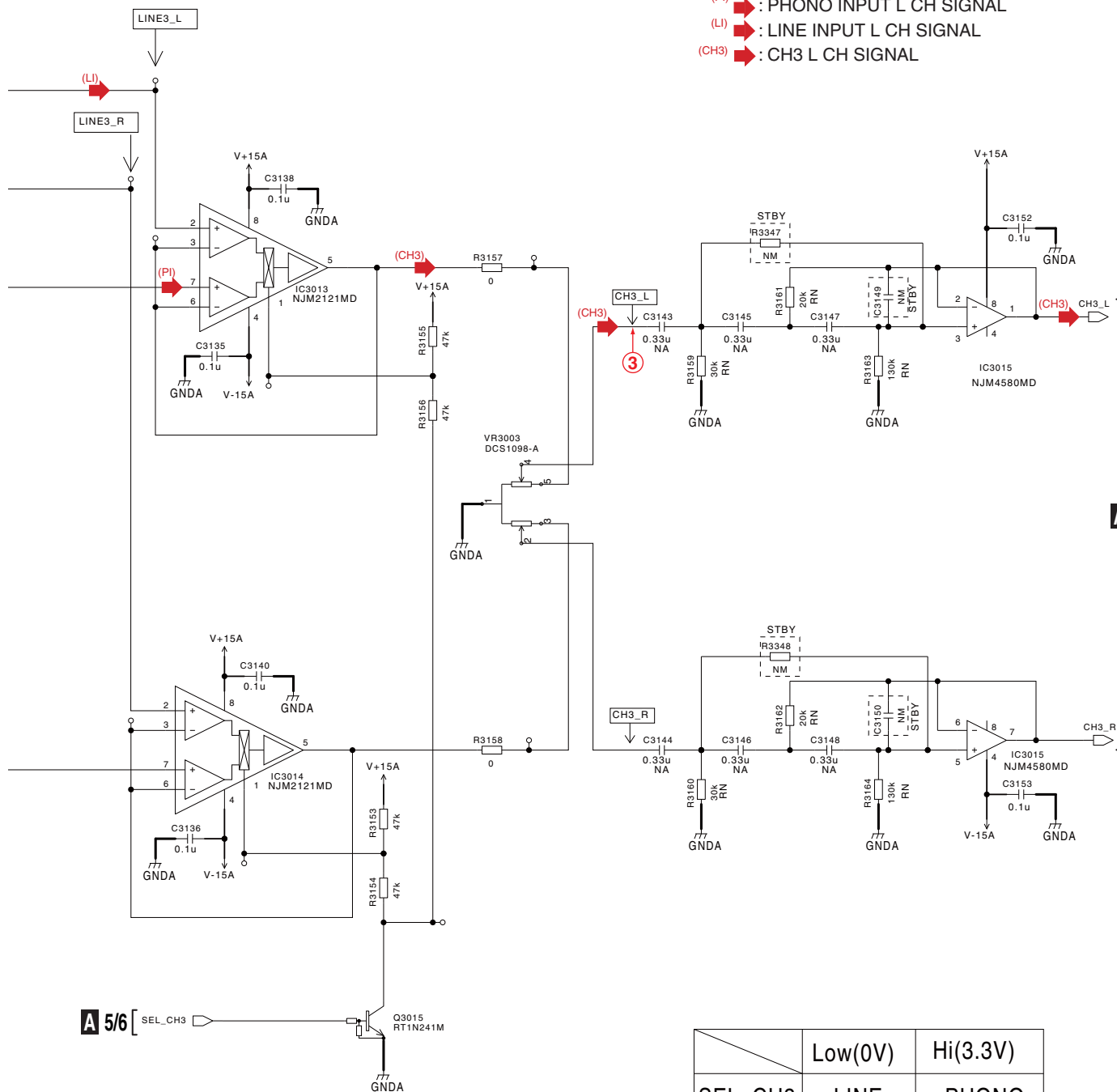
A



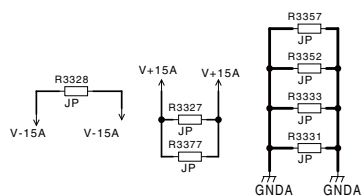










## AUDIO SIGNAL ROUTE

- (PI) ➡ : PHONO INPUT L CH SIGNAL  
 (LI) ➡ : LINE INPUT L CH SIGNAL  
 (CH3) ➡ : CH3 L CH SIGNAL



## A 4/6 INPUT ASSY (DWX2675)



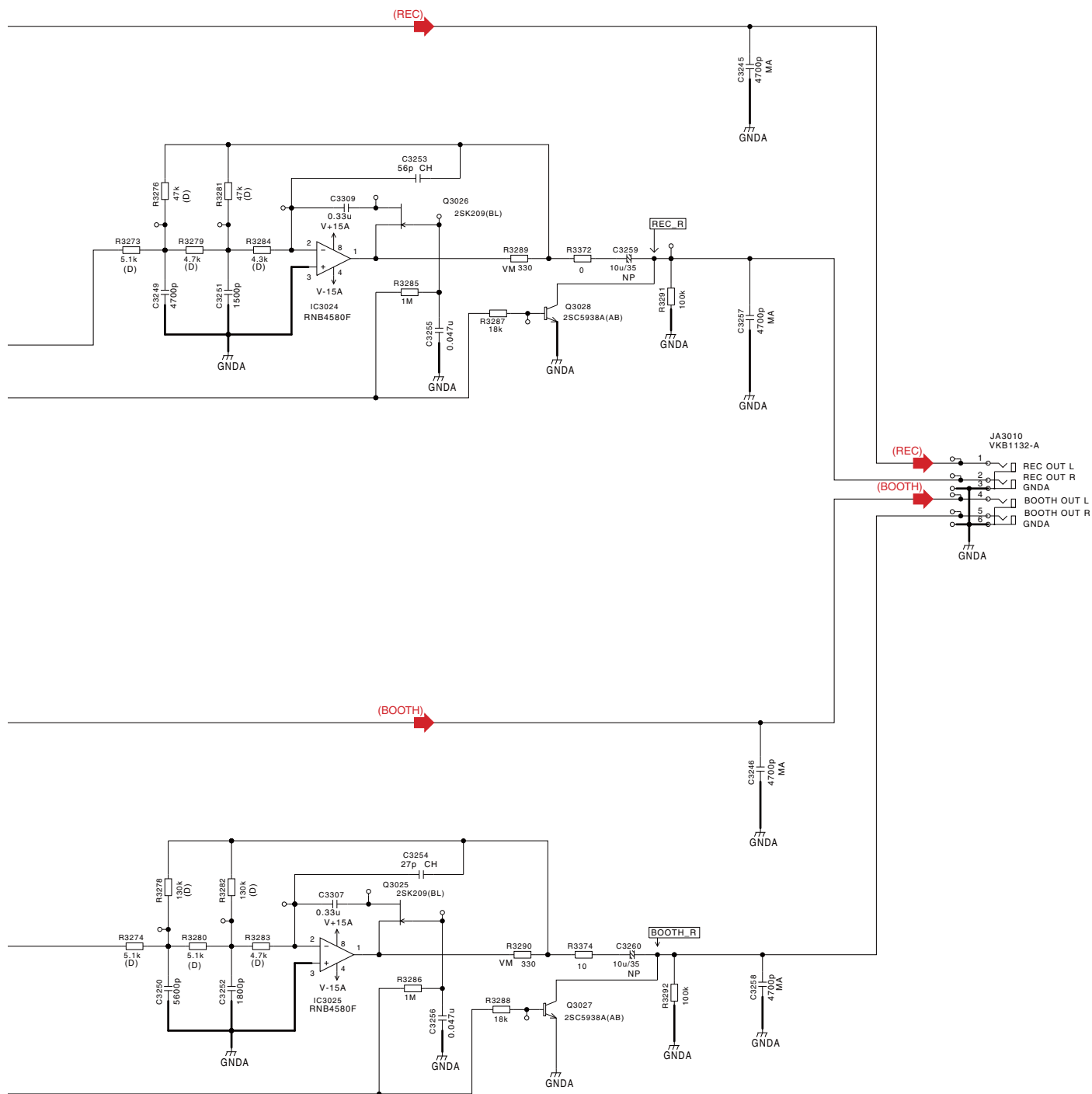
NOTES	_____NM_____ is STBY
	 RS1/16S****J
RN	 RN1/16SE****D
	 CKSRYB
CH	 CCSRCH
MA	 CQMA
NA	 CFTNA
AL	 CEAL
HAT	 CEHAT





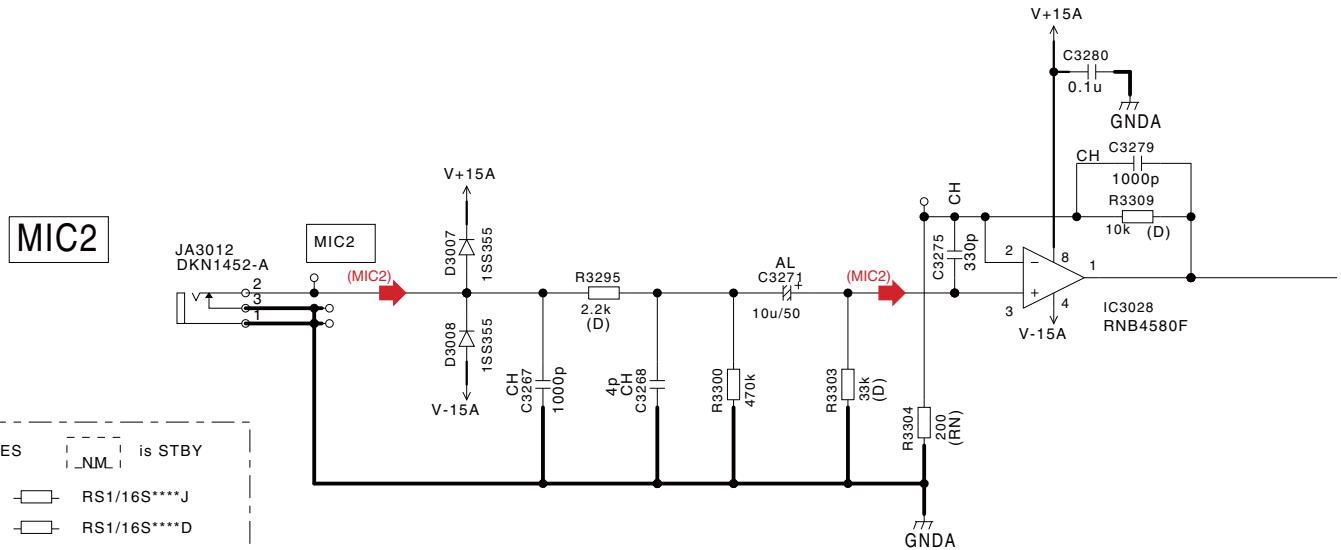
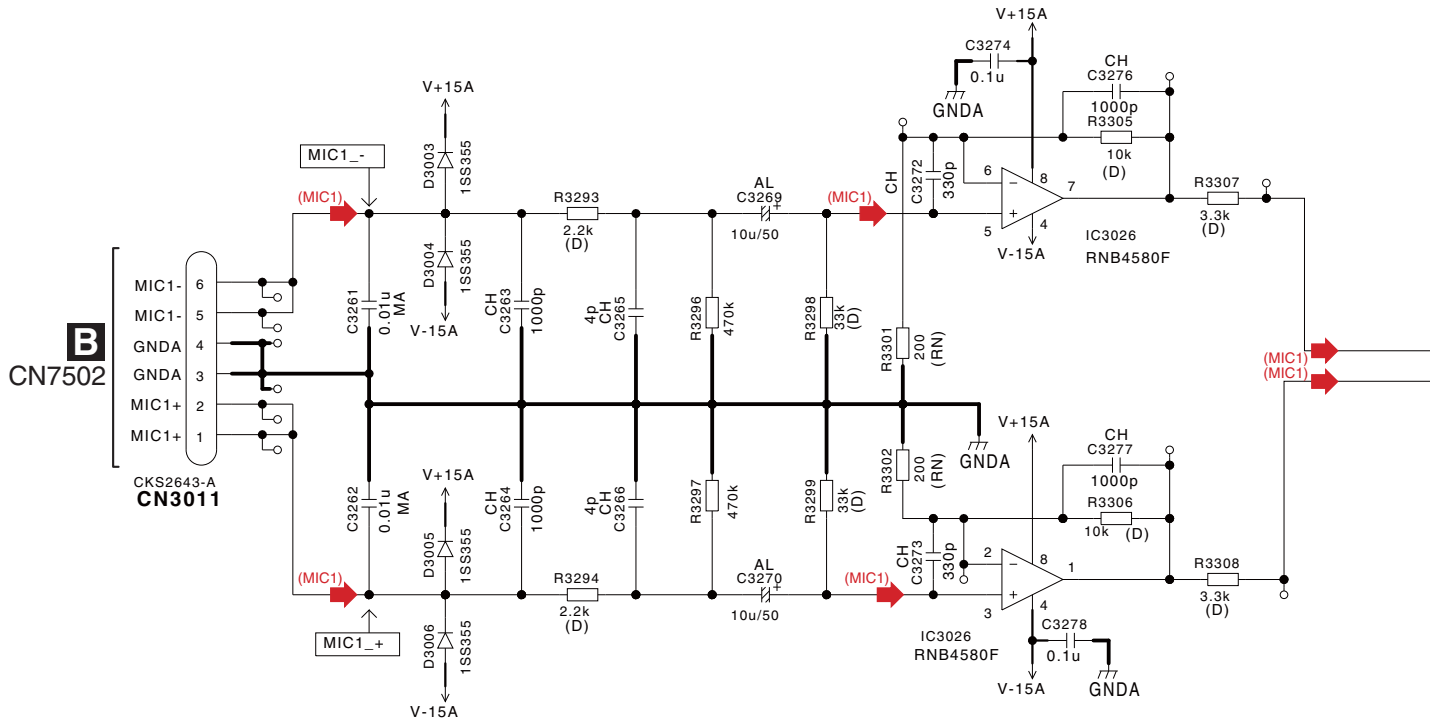
## AUDIO SIGNAL ROUTE










(REC) ➡ : REC L CH SIGNAL  
 (BOOTH) ➡ : BOOTH L CH SIGNAL

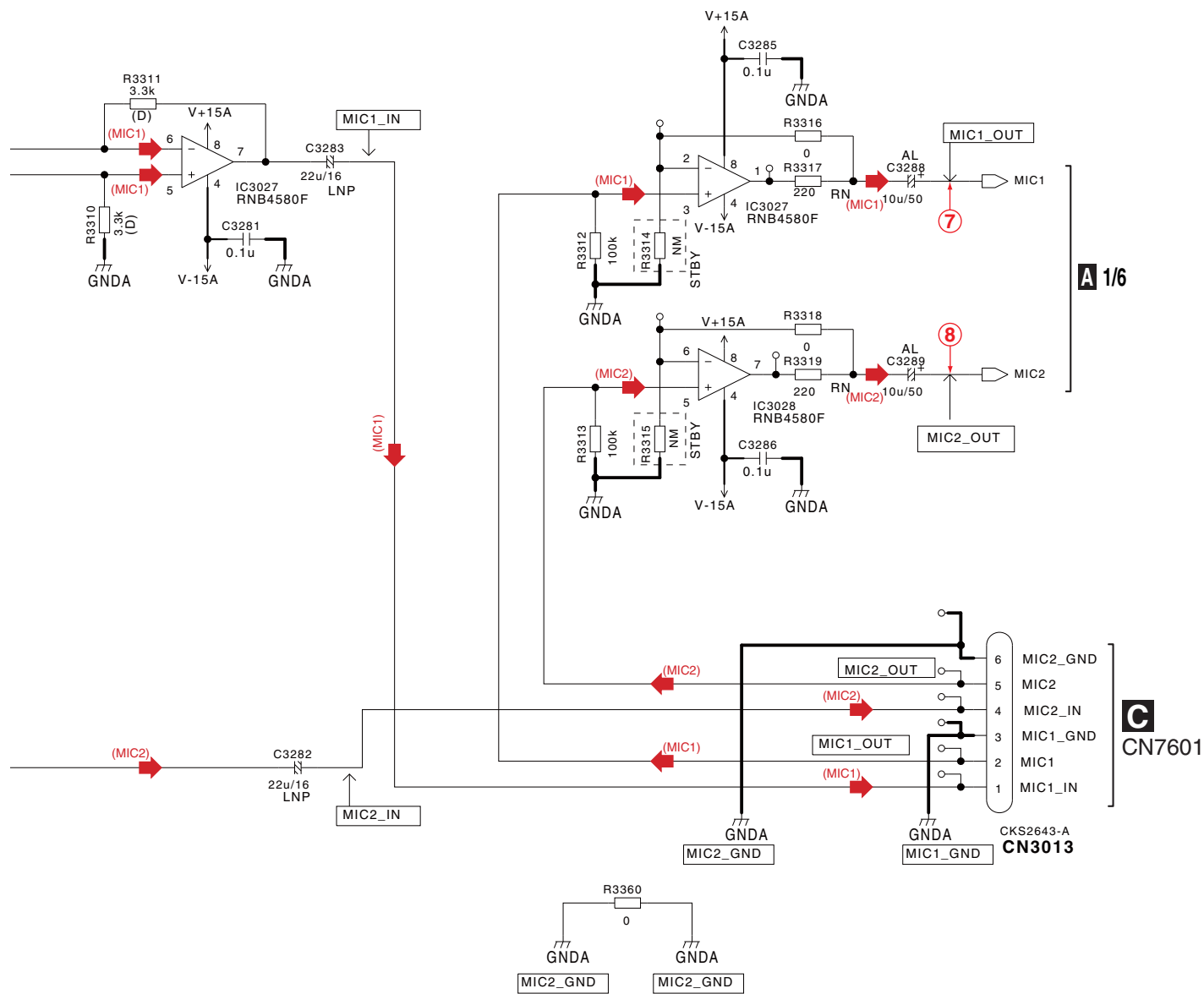


## A 6/6 INPUT ASSY (DWX2675)

A



NOTES	_____ is STBY
	 RS1/16S****J
D	 RS1/16S****D
RN	 RN1/16SE****D
VM	 RD1/2VM***J
	 CKSRYB
CH	 CCSRCH
MA	 CQMA
AL	 CEAL
LNP	 CEALNP



**AUDIO SIGNAL ROUTE**

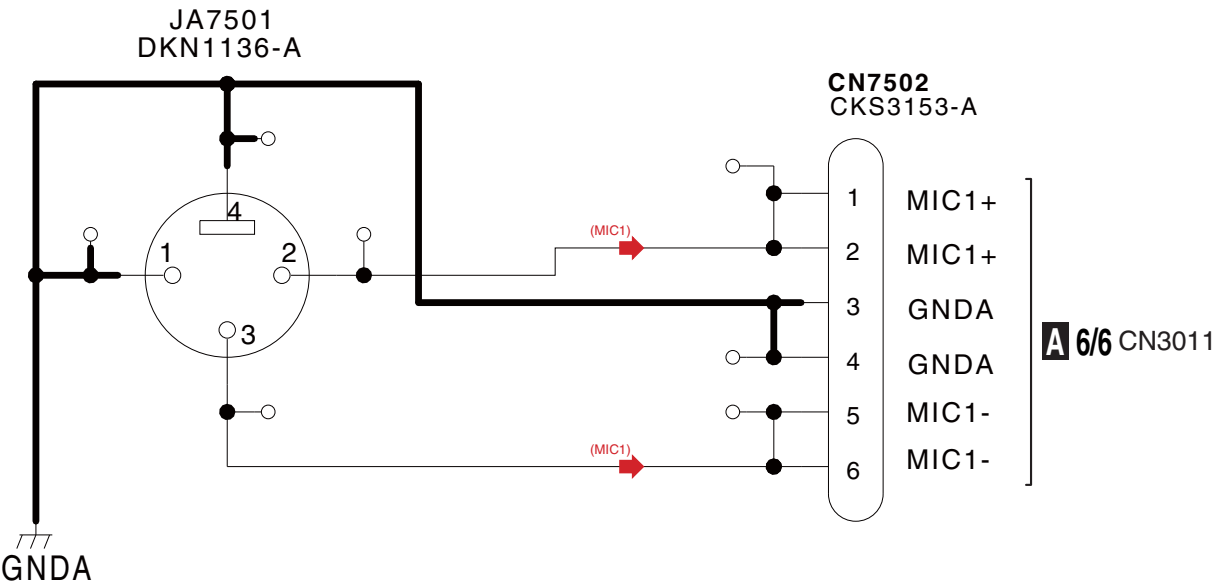
(MIC1) : MIC1 SIGNAL

(MIC2) : MIC2 SIGNAL

10.7 MIC1 JACK ASSY

B MIC1 JACK ASSY (DWX2685)

MIC1 JACK

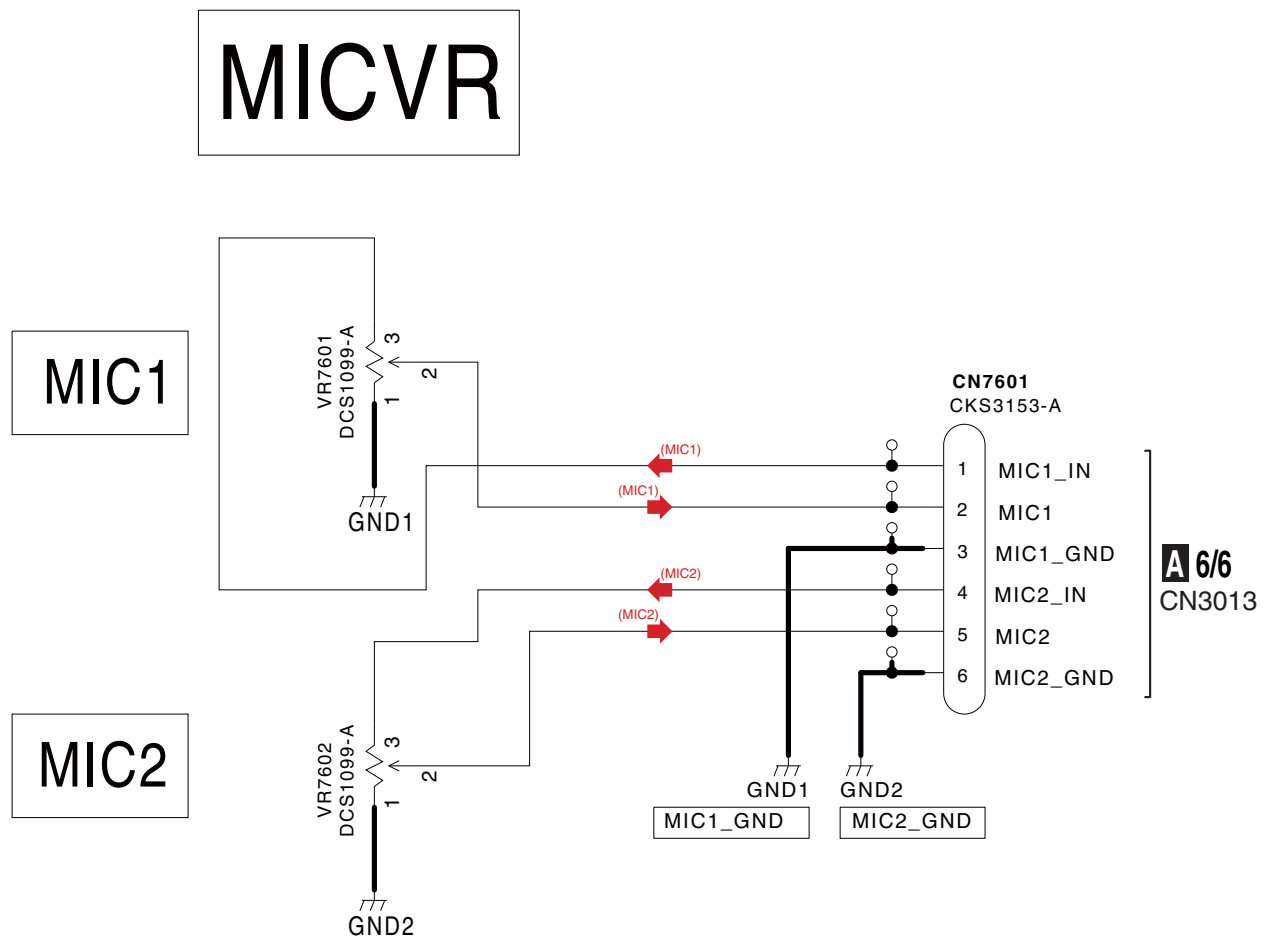


AUDIO SIGNAL ROUTE  
(MIC1) ➡ : MIC1 SIGNAL



## 10.8 MIC VR ASSY

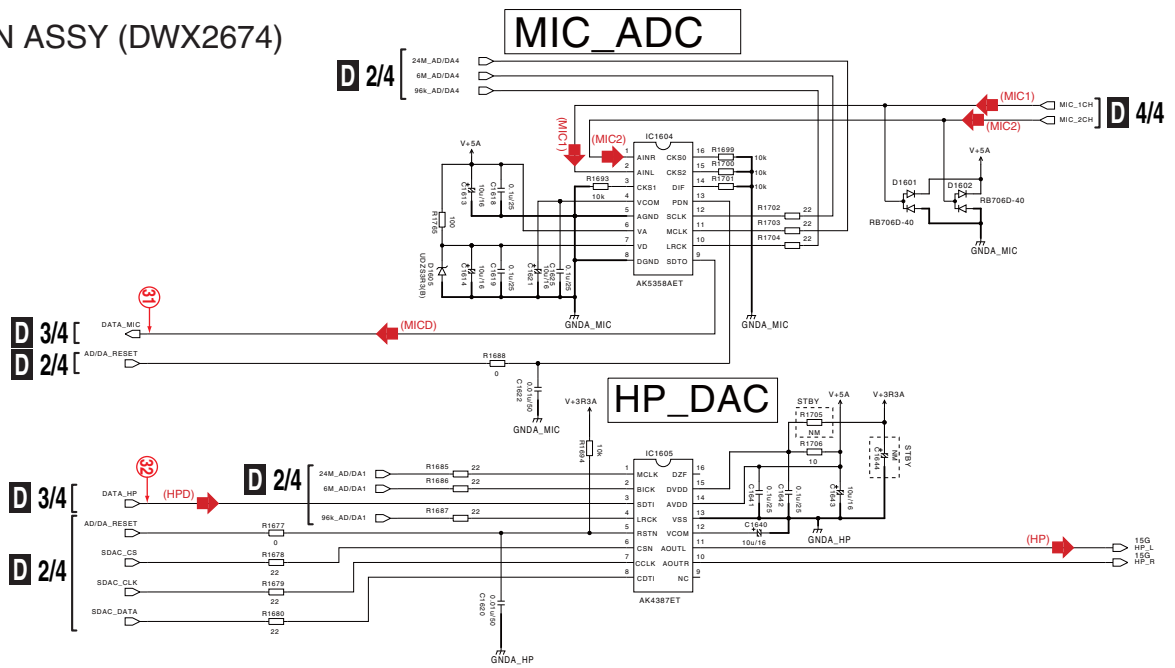
### C MIC VR ASSY (DWX2686)



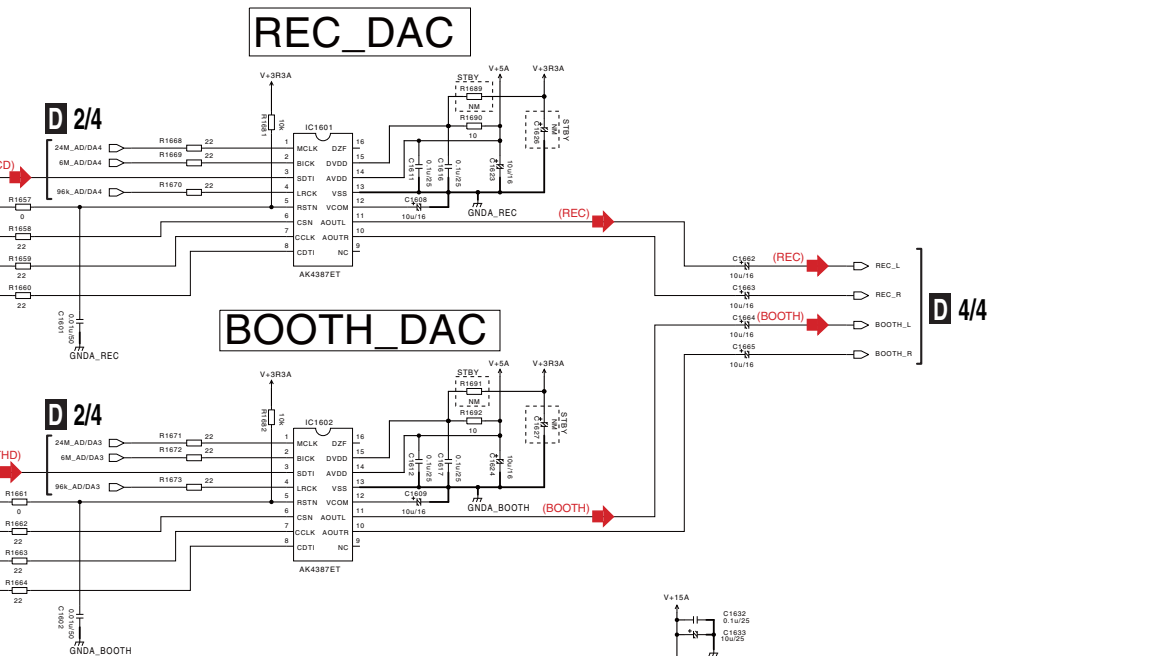
AUDIO SIGNAL ROUTE  
 (MIC1) : MIC1 SIGNAL  
 (MIC2) : MIC2 SIGNAL

**D 1/4 MAIN ASSY (DWX2674)**

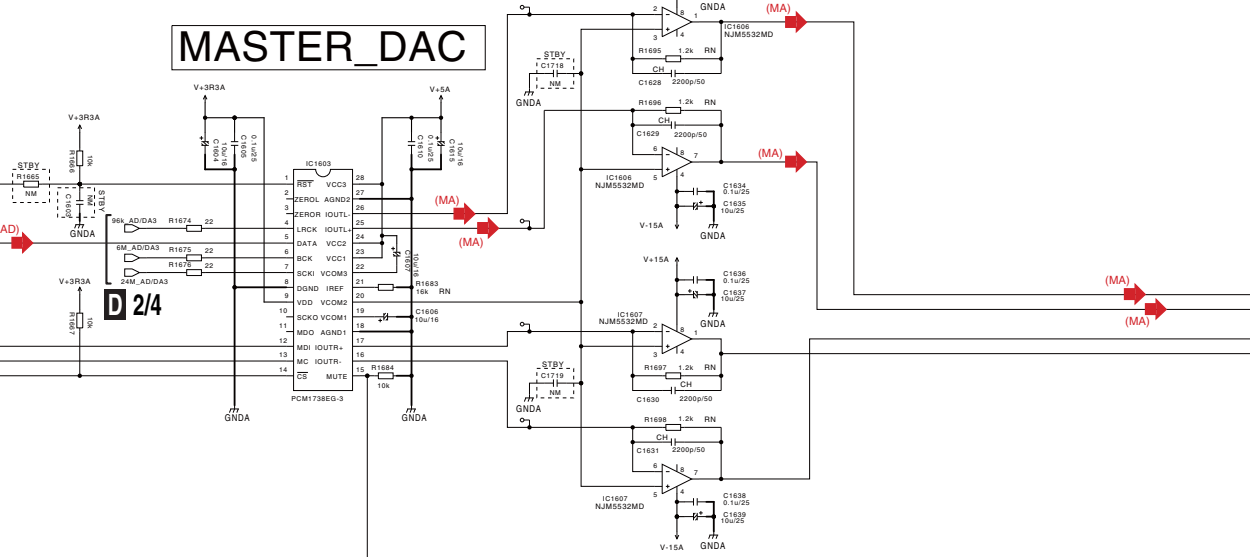
A



B



C



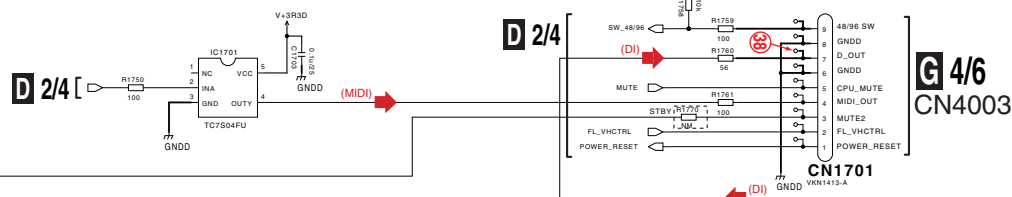
# E

F

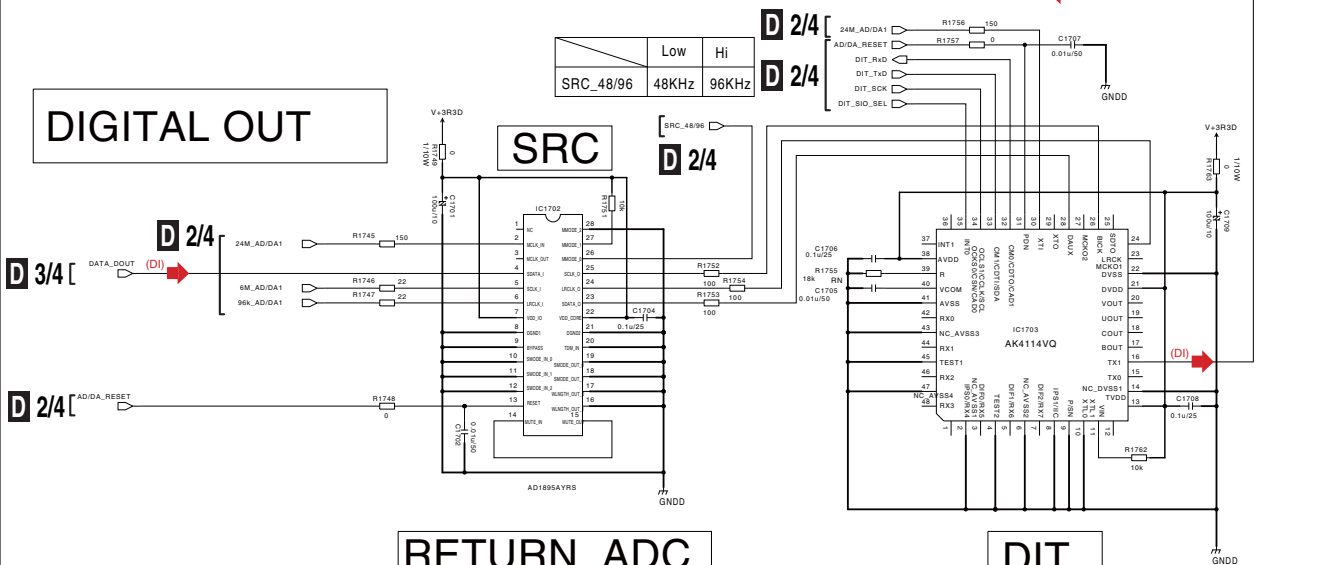
**D 1/4**

## MIDI OUT

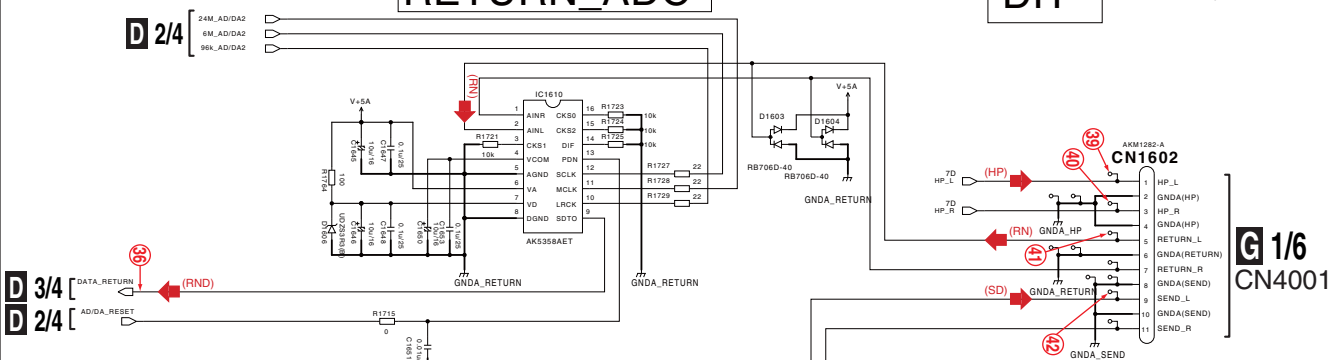
	Low	Hi
SW_48/96	48KHz	96KHz



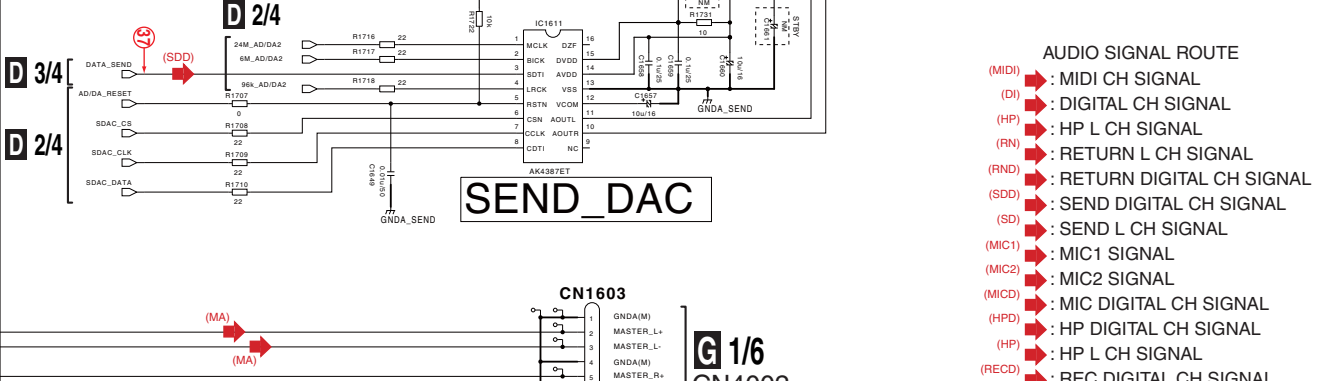
## DIGITAL OUT



## RETURN\_ADC



## SEND\_DAC



## AUDIO SIGNAL ROUTE

- (MIDI) : MIDI CH SIGNAL
- (DI) : DIGITAL CH SIGNAL
- (HP) : HP L CH SIGNAL
- (RN) : RETURN L CH SIGNAL
- (RND) : RETURN DIGITAL CH SIGNAL
- (SDD) : SEND DIGITAL CH SIGNAL
- (SD) : SEND L CH SIGNAL
- (MIC1) : MIC1 SIGNAL
- (MIC2) : MIC2 SIGNAL
- (MICD) : MIC DIGITAL CH SIGNAL
- (HPD) : HP DIGITAL CH SIGNAL
- (HP) : HP L CH SIGNAL
- (RECD) : REC DIGITAL CH SIGNAL
- (REC) : REC L CH SIGNAL
- (BOOTH) : BOOTH DIGITAL CH SIGNAL
- (BOOTH) : BOOTH L CH SIGNAL
- (MAD) : MASTER DIGITAL CH SIGNAL
- (MA) : MASTER L CH SIGNAL

NOTES

- RS1/16S\*\*\*J
- RN1/16S\*\*\*D-T
- RS1/16S\*\*\*J
- RS1/8S\*\*\*J
- CKSRBY
- CKSYB
- CCSRCH
- CEVW\*\*\*

C1030 0.1u/25 GND\_A\_HP  
C1031 0.1u/25 GND\_A\_RETURN  
C1032 0.1u/25 GND\_A\_SEND  
C1034 0.1u/25 GND\_A\_BOOTH  
C1035 0.1u/25 GND\_A\_REC  
C1036 0.1u/25 GND\_A\_MIC

CN1603  
1 GND\_A(M)  
2 MASTER\_L+  
3 MASTER\_L-  
4 GND\_A(M)  
5 MASTER\_R+  
6 MASTER\_R-  
7 GND\_A(M)

G 1/6  
CN4002

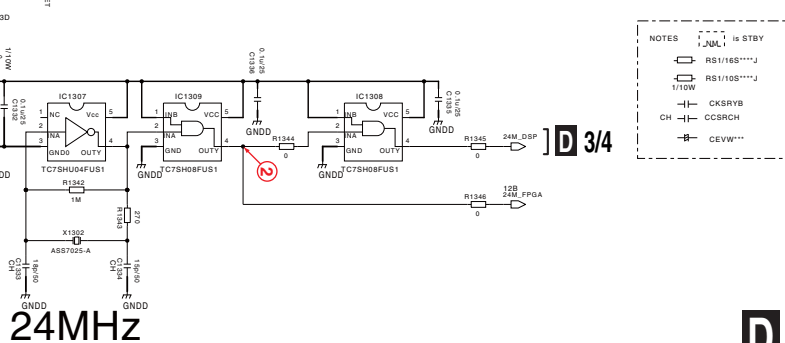
STBY  
ATT\_SW1 R1738 NM  
ATT\_SW2 R1739 NM  
RETURN\_IN R1744 NM  
GND0

D 1/4

## F



A



73

# 10.11 MAIN ASSY (3/4)

## D 3/4 MAIN ASSY (DWX2674)

A

B

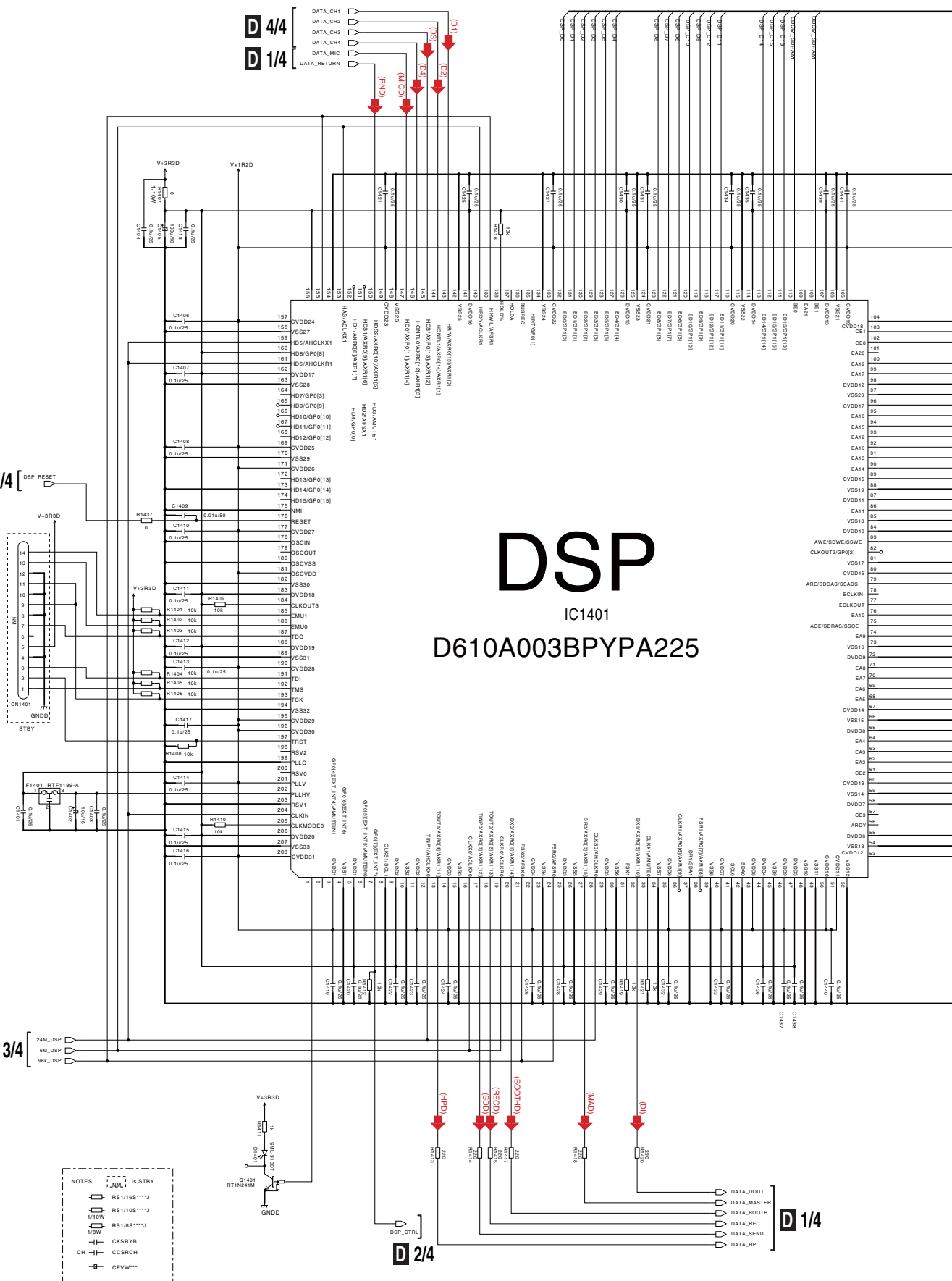
C

D

E

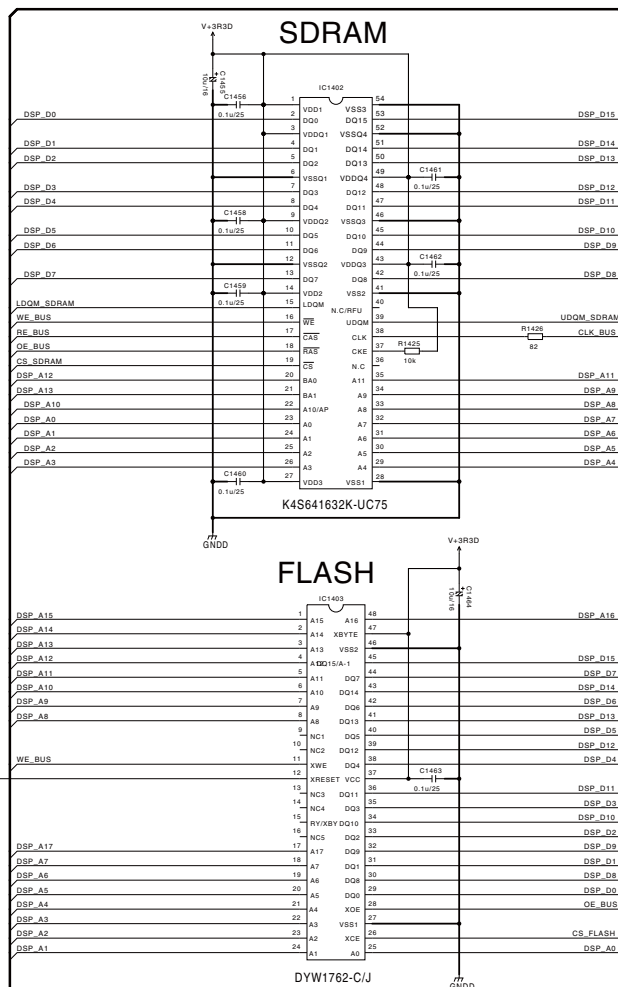
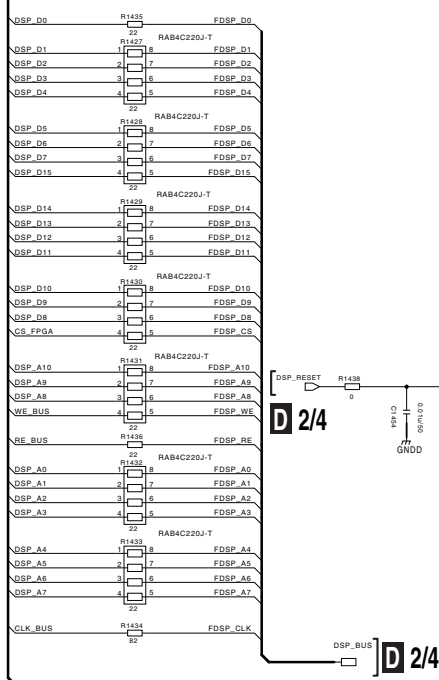
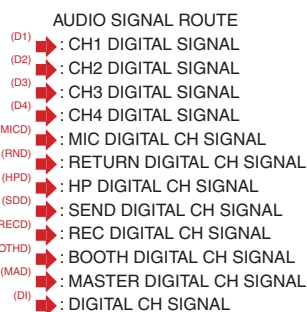
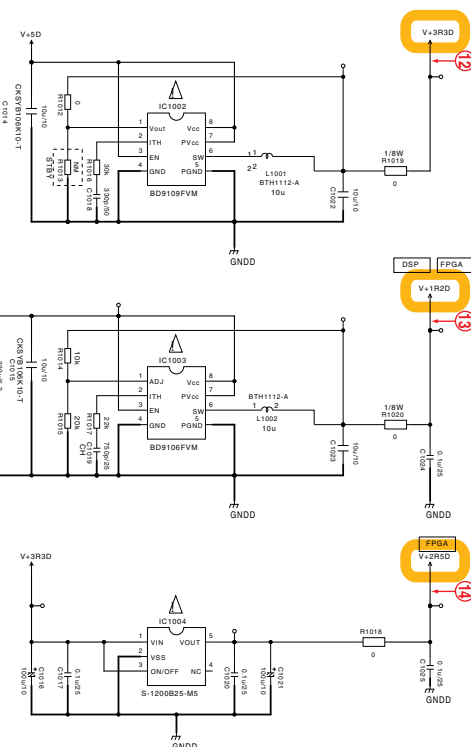
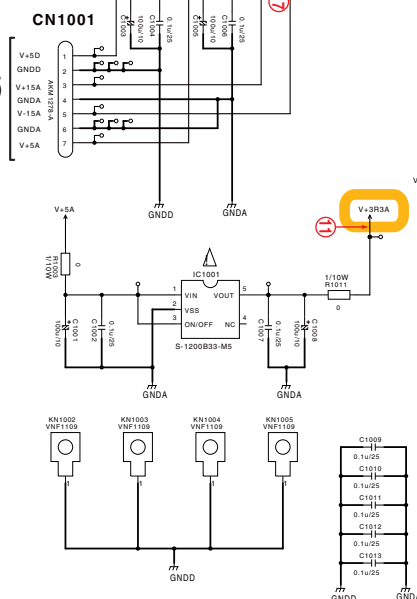
F

1 2 3 4



# POWER

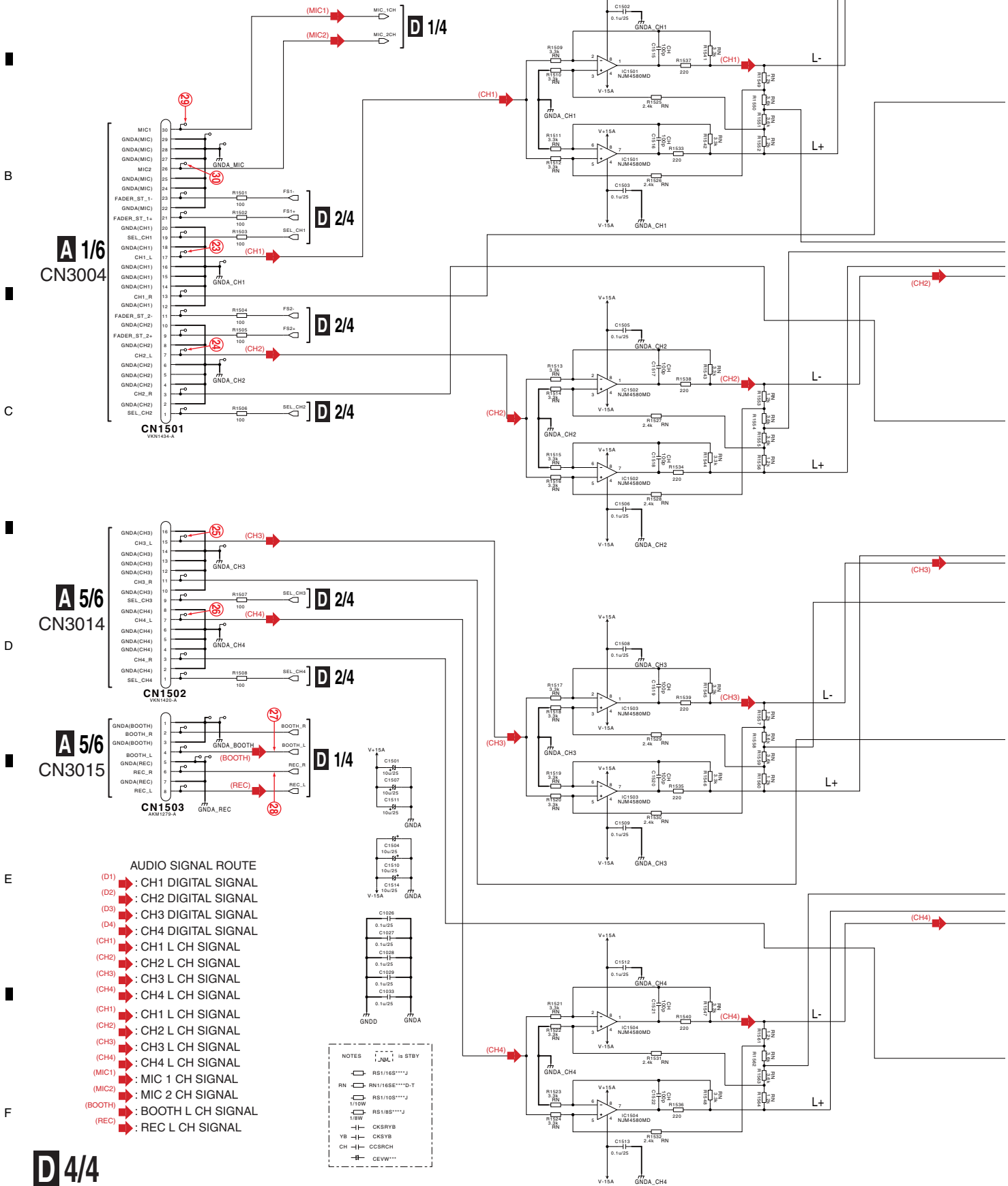
**G 6/6**  
CN304



**D 3/4**

## D 4/4 MAIN ASSY (DWX2674)

A







# 10.13 PANEL 1 ASSY

## PANEL 1 ASSY (DWX2677)

A

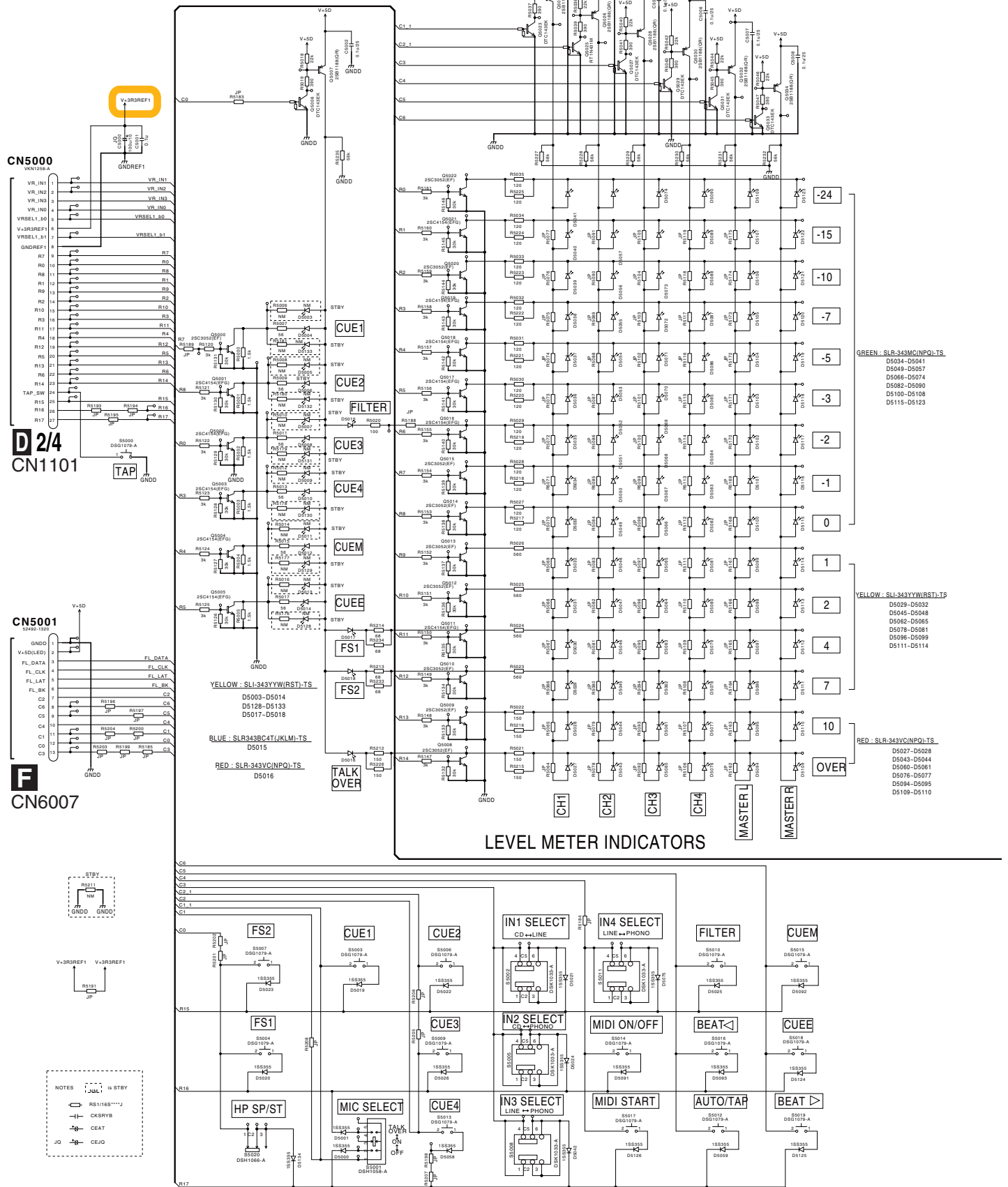
B

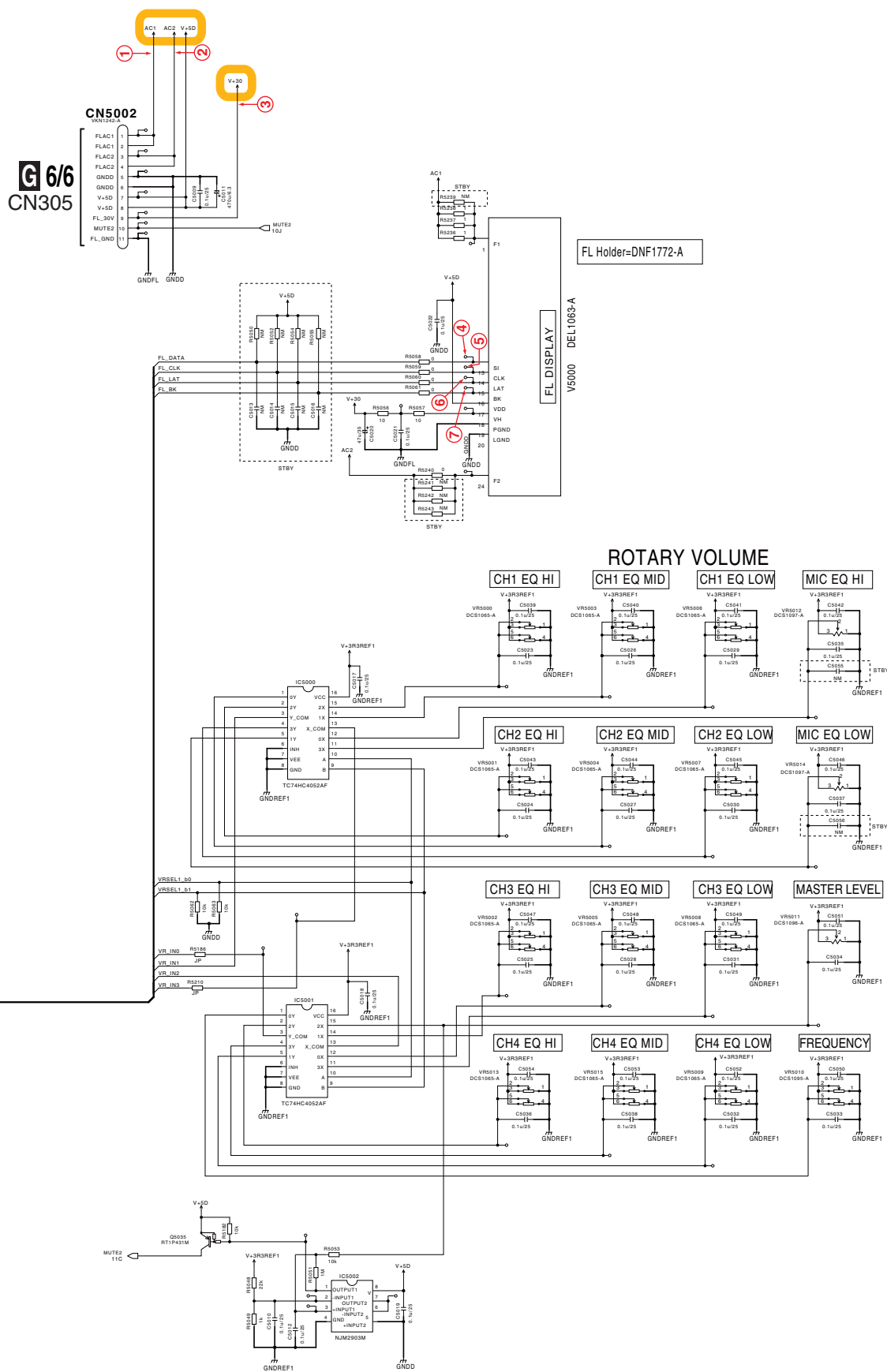
C

D

E

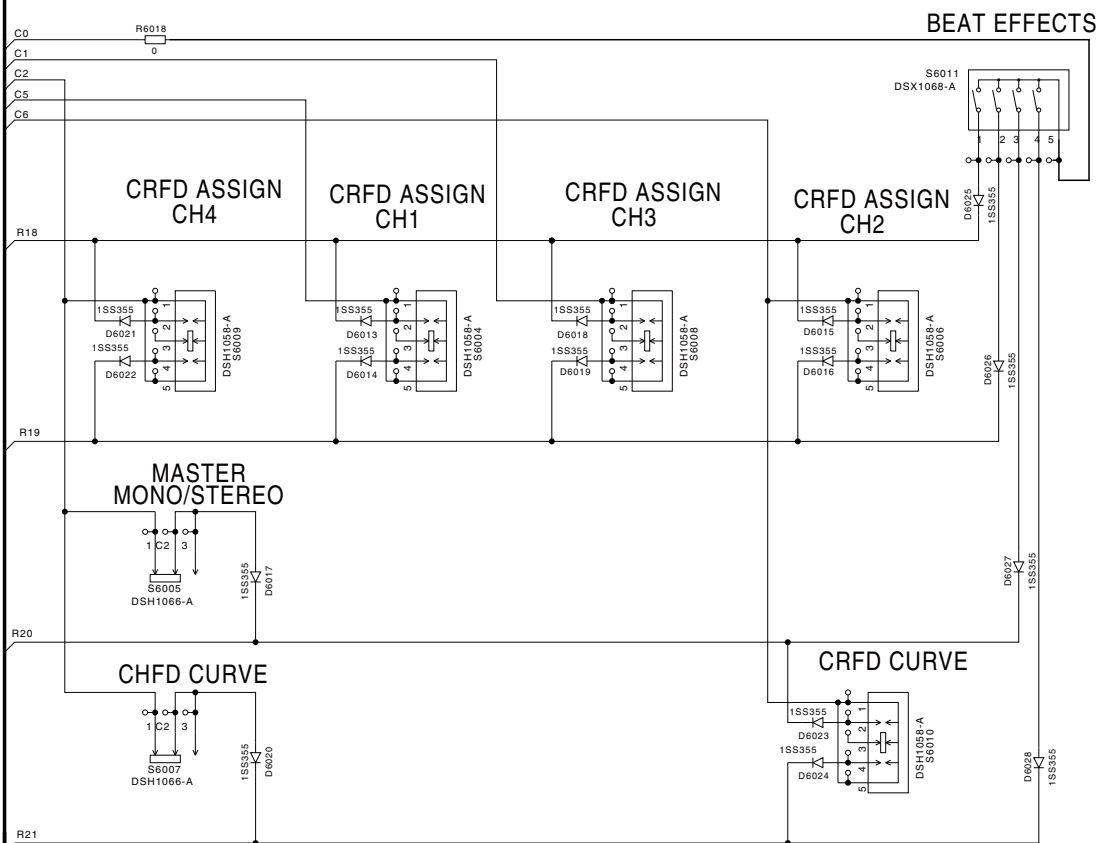
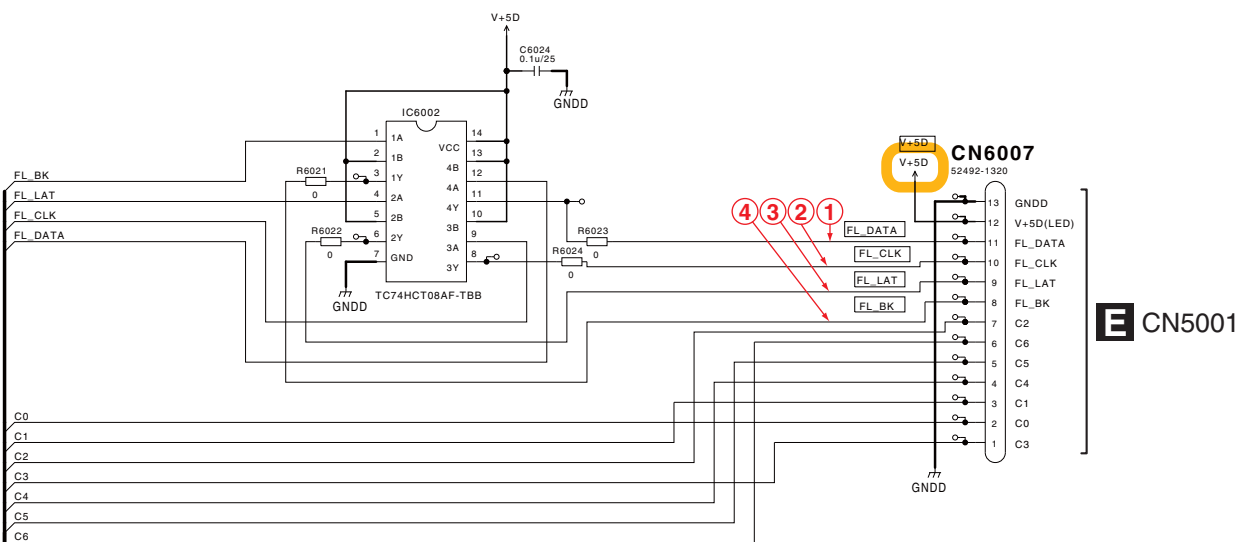
F





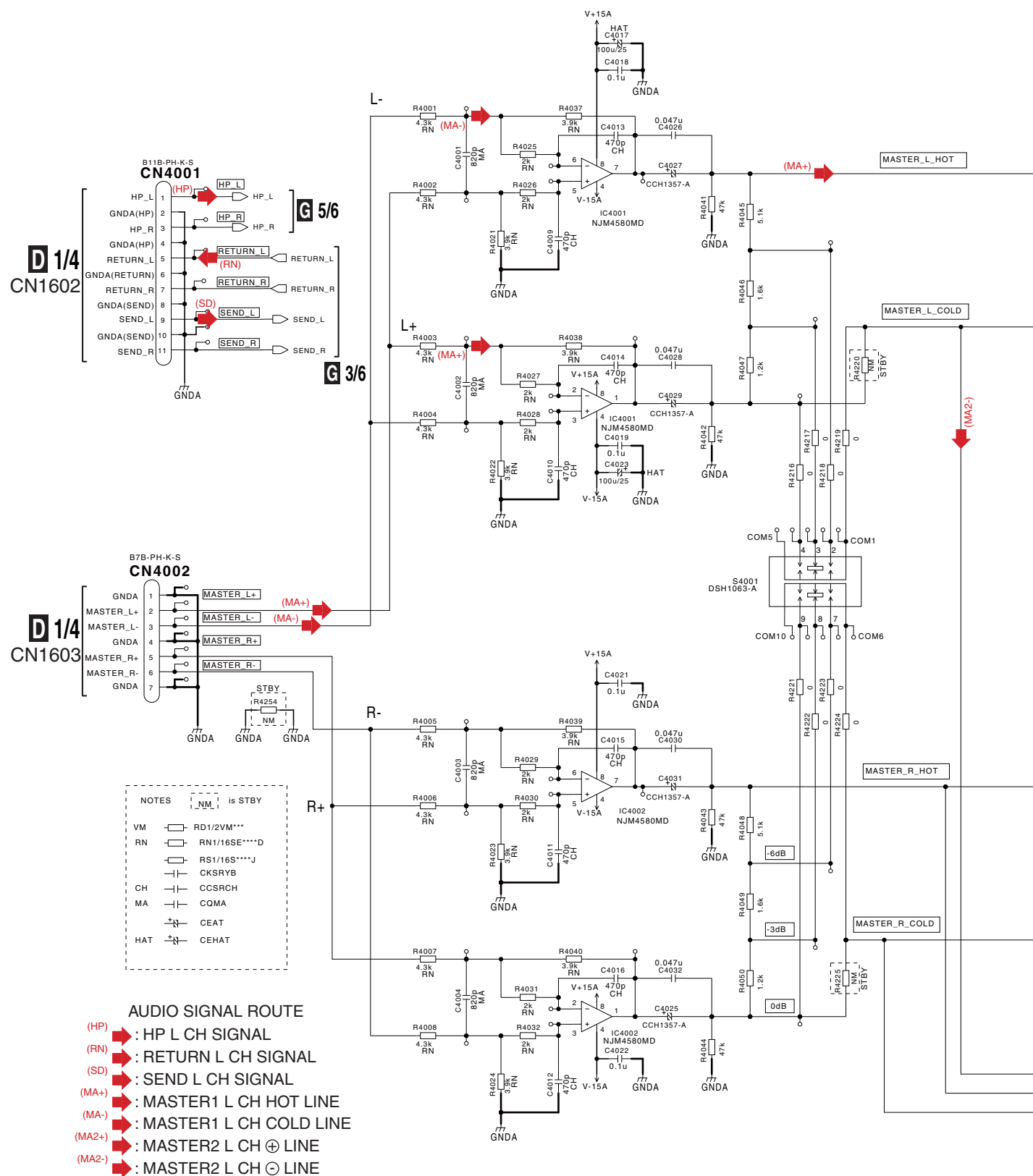
## **F** PANEL 2 ASSY (DWX2678)



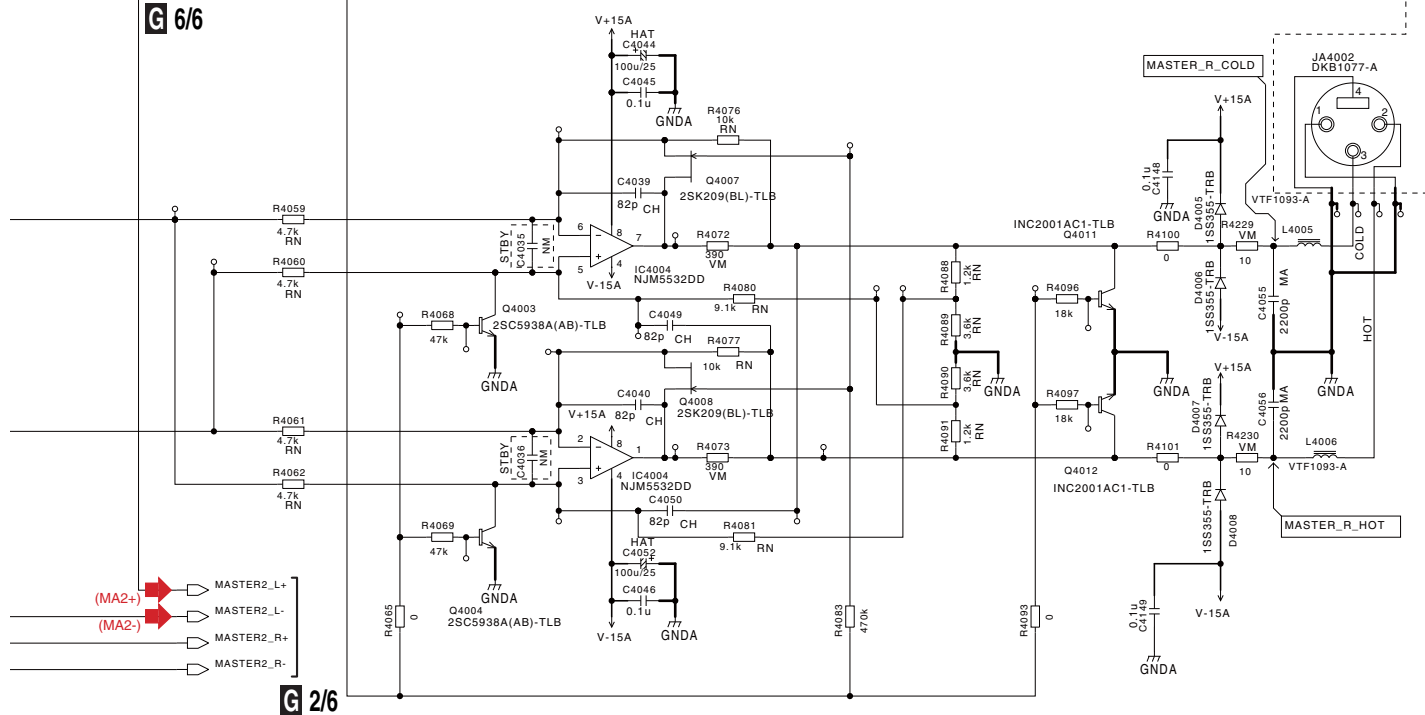
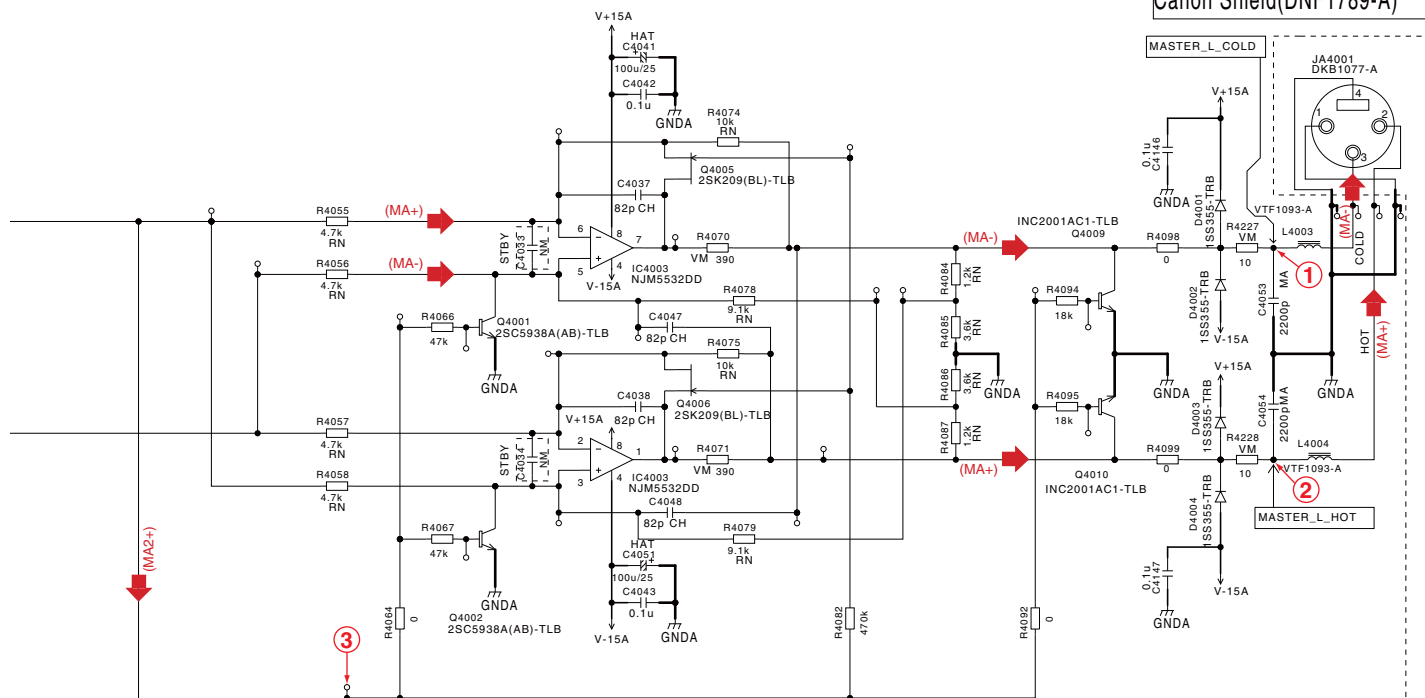


## G 1/6 OUTPUT ASSY (DWX2676)

## G 1/6 OUTPUT ASSY (DWX2676)

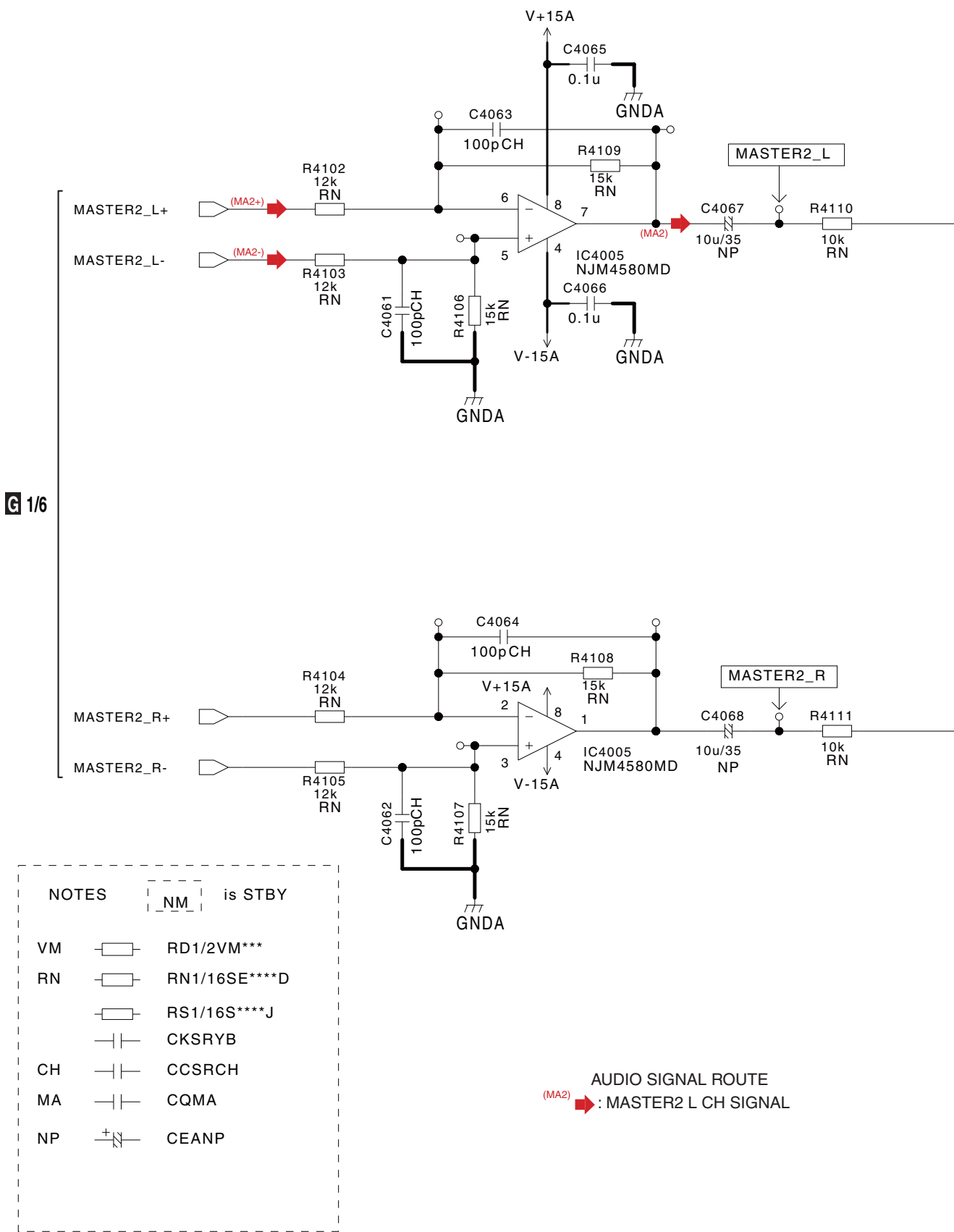


## Canon Shield(DNF1789-A)

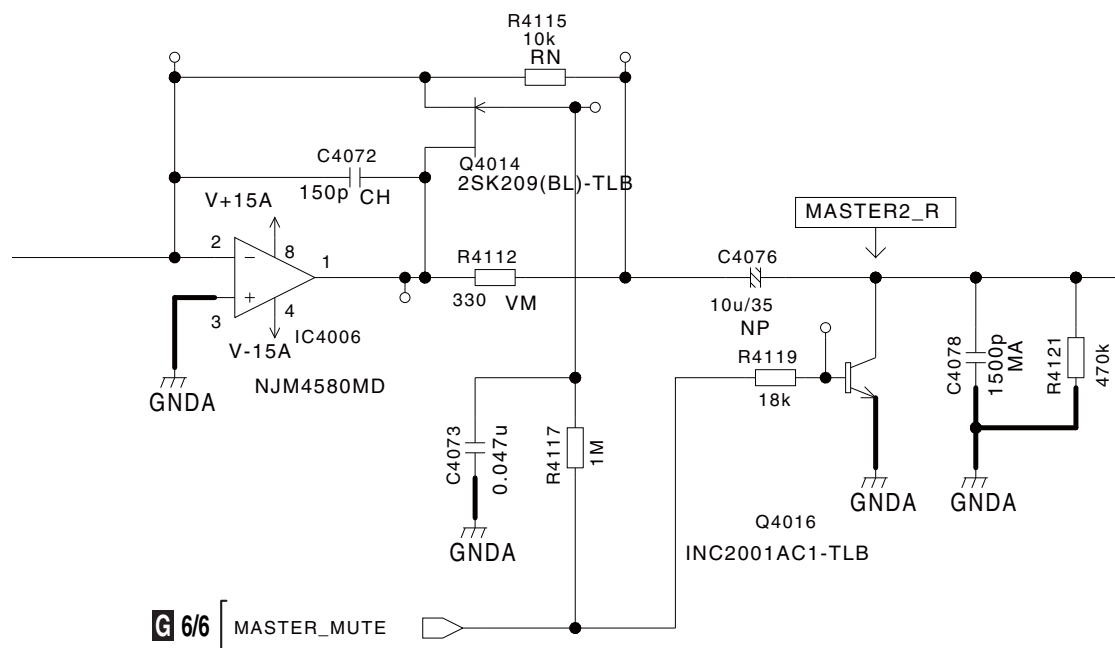
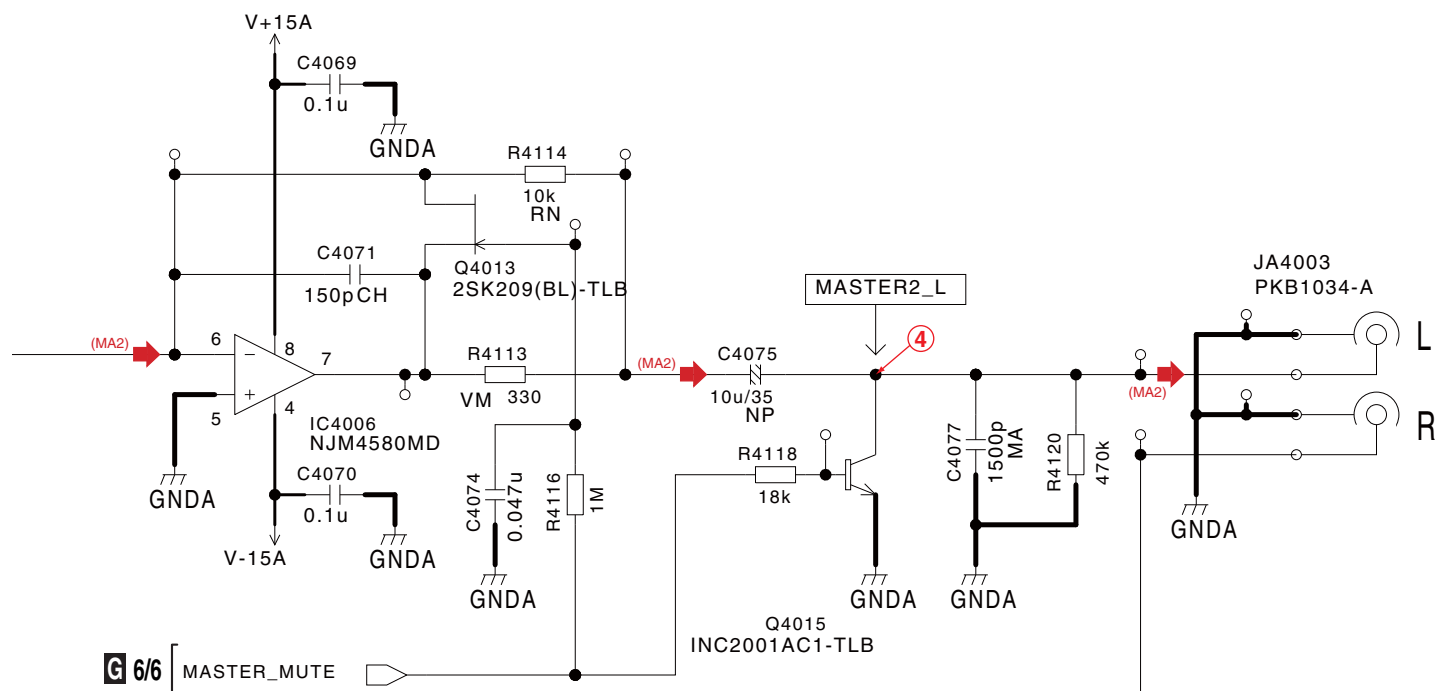


10.16 OUTPUT ASSY (2/6)

G 2/6 OUTPUT ASSY (DWX2676)







## 10.17 OUTPUT ASSY (3/6)

### G 3/6 OUTPUT ASSY (DWX2676)

A

B

C

D

E

F

G 1/6

G 6/6

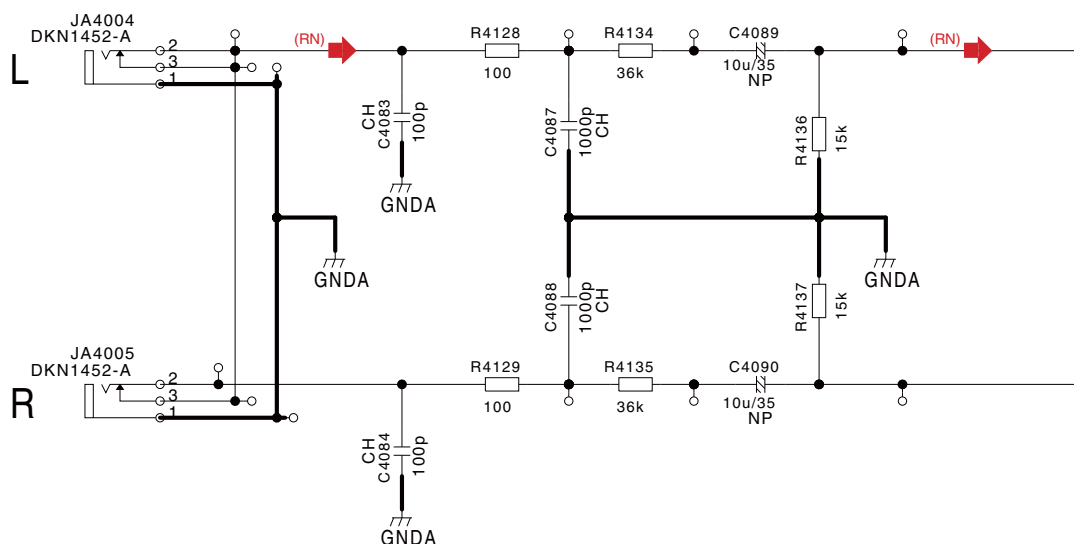
AUDIO SIGNAL ROUTE  
 (SD) → SEND L CH SIGNAL  
 (RN) → RETURN L CH SIGNAL

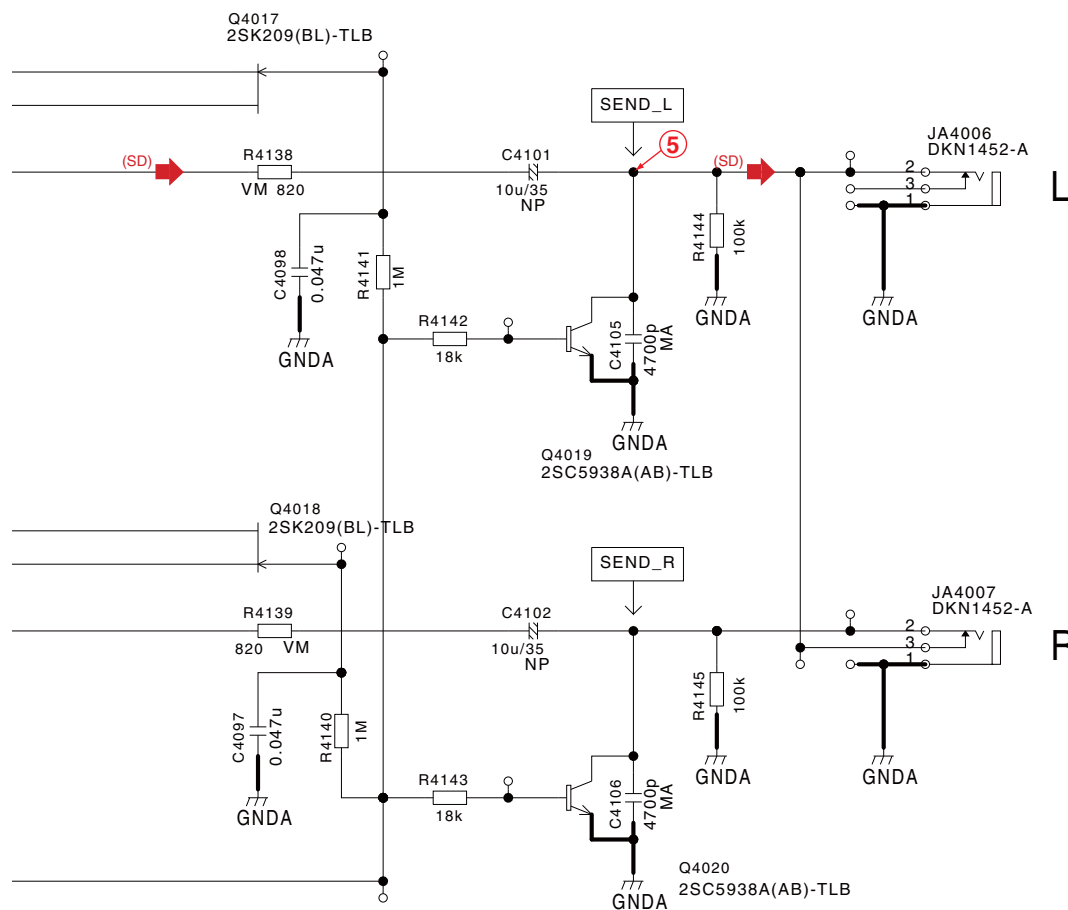
RETURN

G 3/6

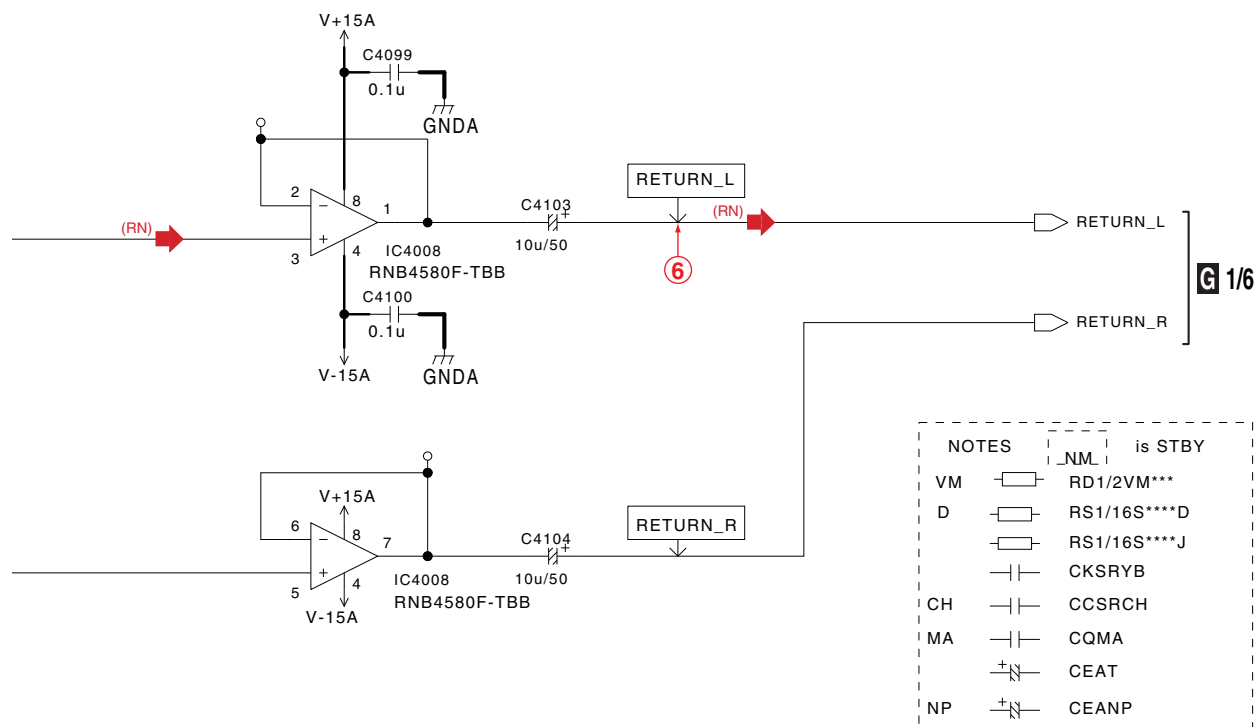
86

DJM-700-S











SEND

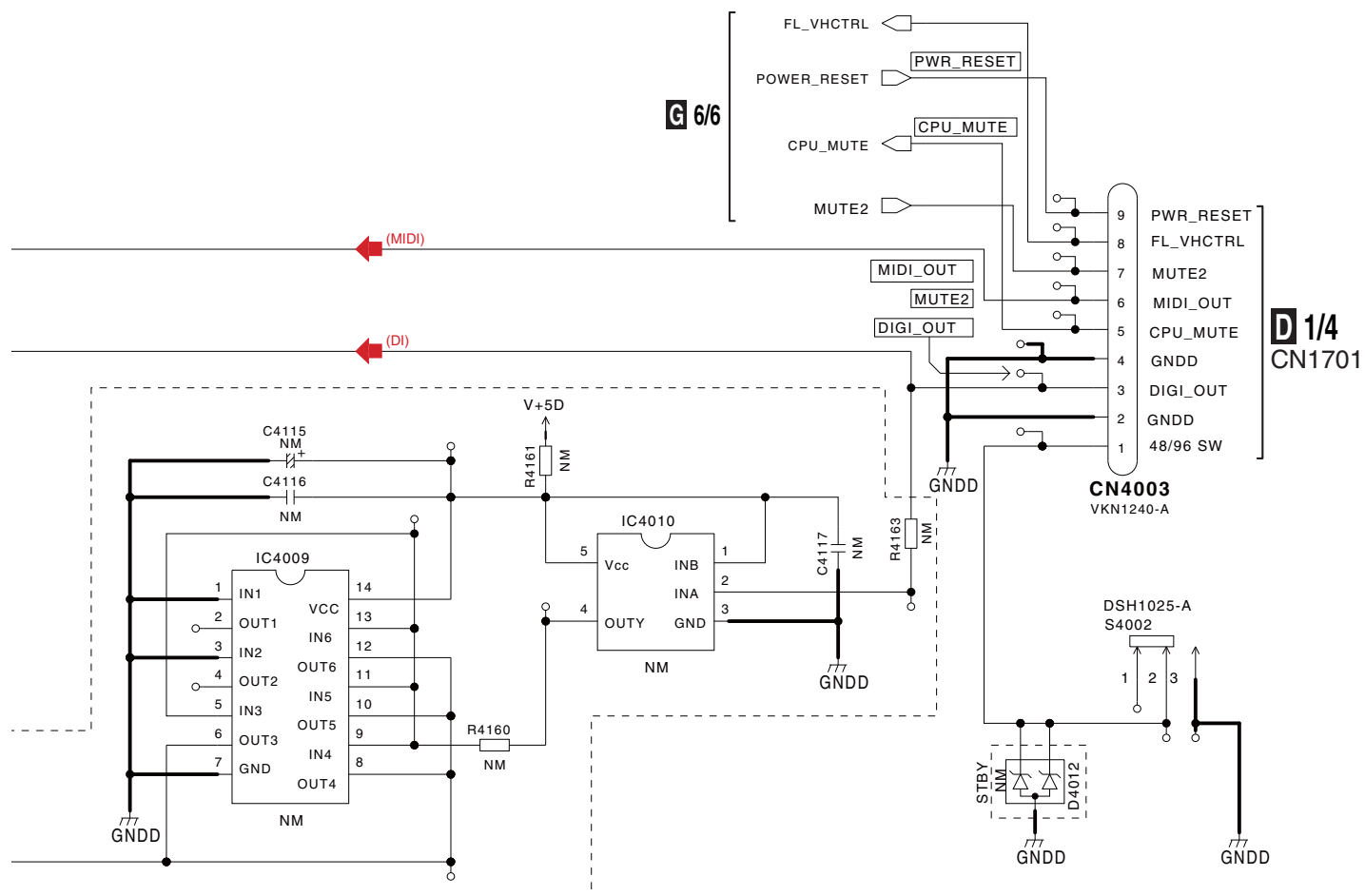


## MIDI OUT



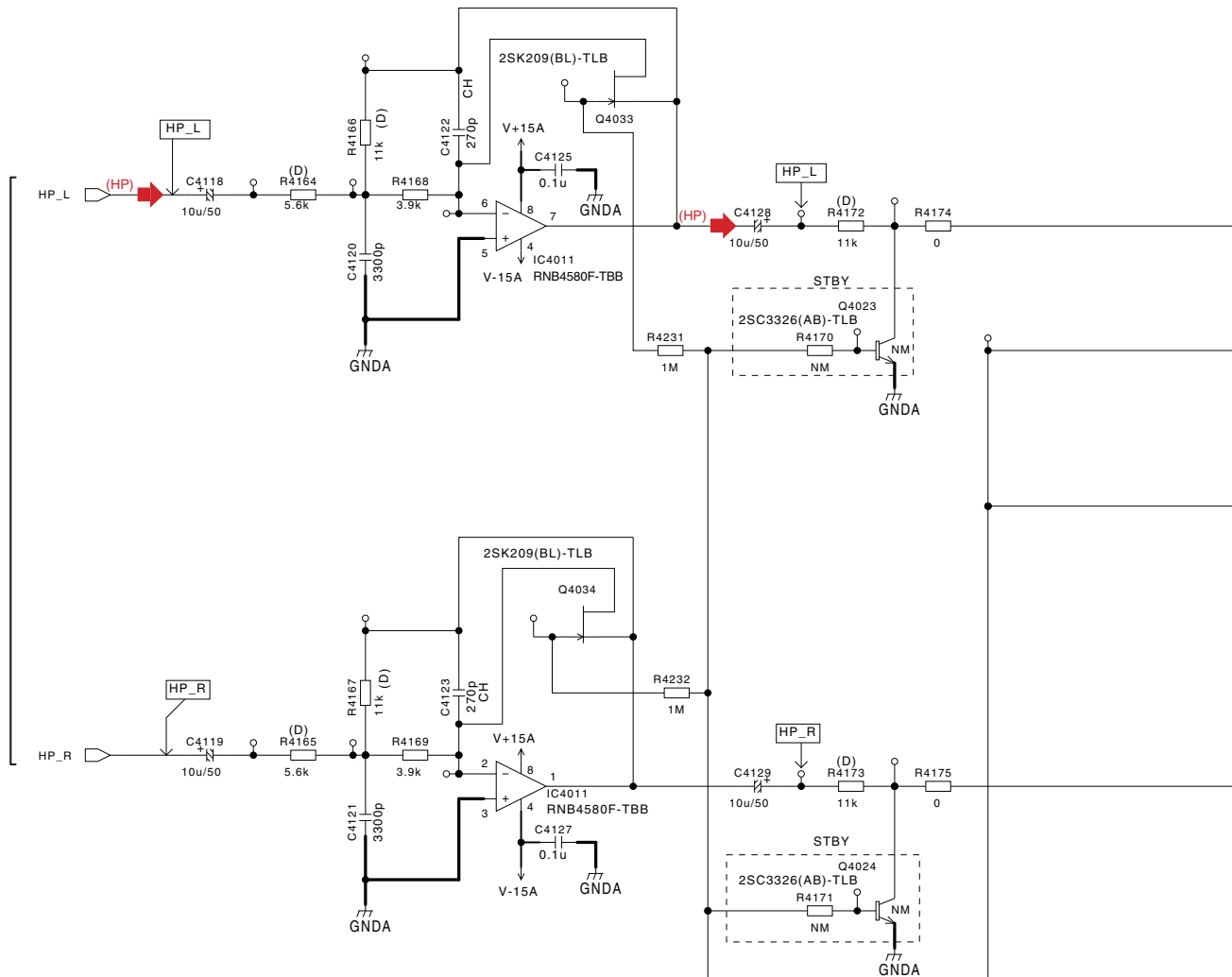
VM		RD1/2VM***
F		RS1/16S****F
		RS1/16S****J
		CKSRYB
CH		CCSRCH
HAT		CEHAT

(MIDI) ➡ : MIDI CH SIGNAL  
(DI) ➡ : DIGITAL CH SIGNAL



# 10.19 OUTPUT ASSY (5/6)

## G5/6 OUTPUT ASSY (DWX2676)



NOTES \_NM\_ is STBY

- D   RS1/16S\*\*\*\*D
- LMF   RS2LMF\*\*\*\*J
- RS1/16S\*\*\*\*J
- CKSRYB
- CH   CCSRCH
- CEAT

G 6/6 [ MUTE   ]

AUDIO SIGNAL ROUTE  
(HP) ➔ : HP L CH SIGNAL



## G 6/6 OUTPUT ASSY (DWX2676)



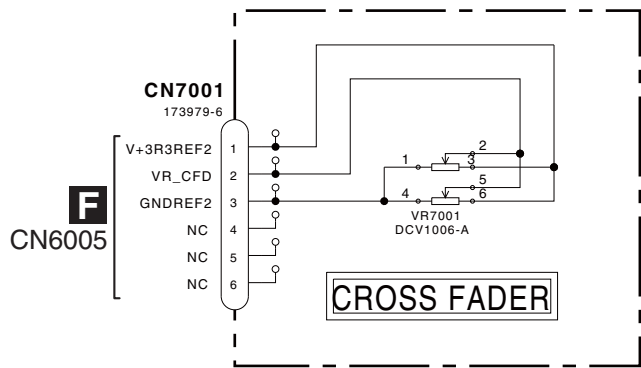




10.21 FADER (CROSS), (CH1), (CH2), (CH3) and (CH4) ASSYS

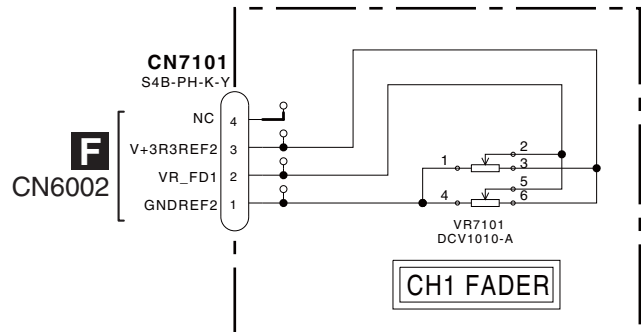
A

**H** FADER (CROSS) ASSY (DWX2680)



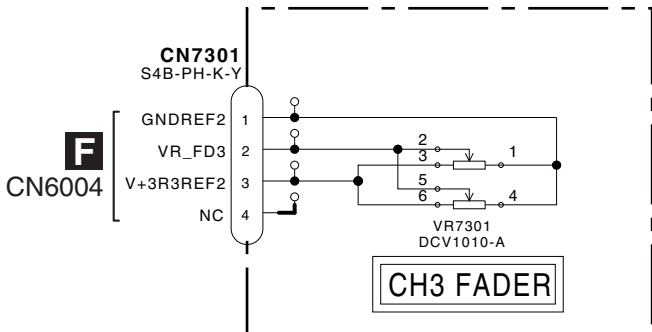
B

**I** FADER (CH1) ASSY (DWX2681)



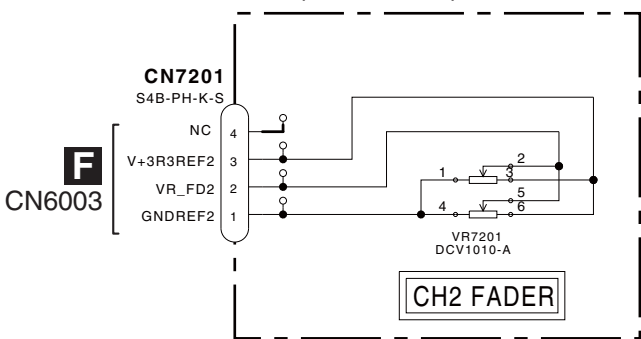
C

**K** FADER (CH3) ASSY (DWX2683)



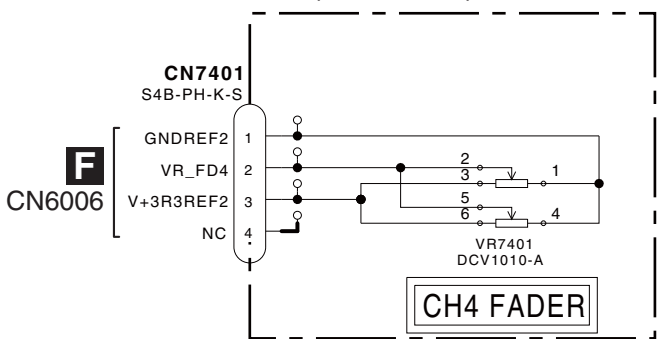
D

**J** FADER (CH2) ASSY (DWX2682)



E

**L** FADER (CH4) ASSY (DWX2684)

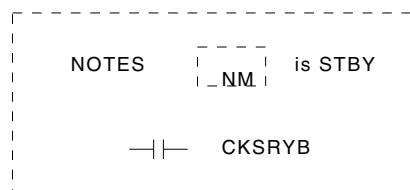
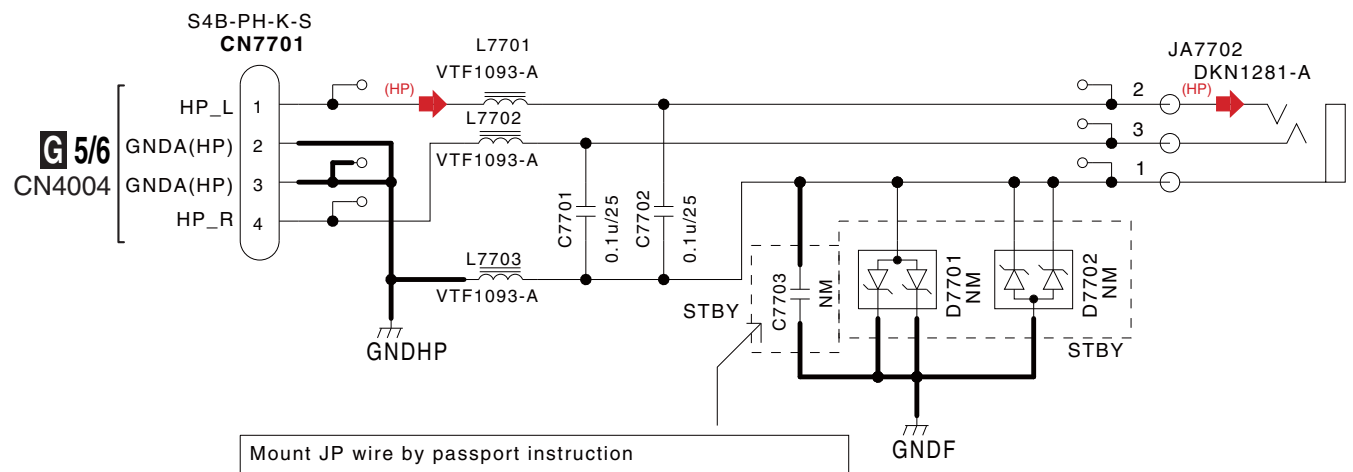


F

**H I J K L**

## 10.22 HP JACK ASSY

### M HP JACK ASSY (DWX2690)



AUDIO SIGNAL ROUTE  
(HP) → : HP L CH SIGNAL

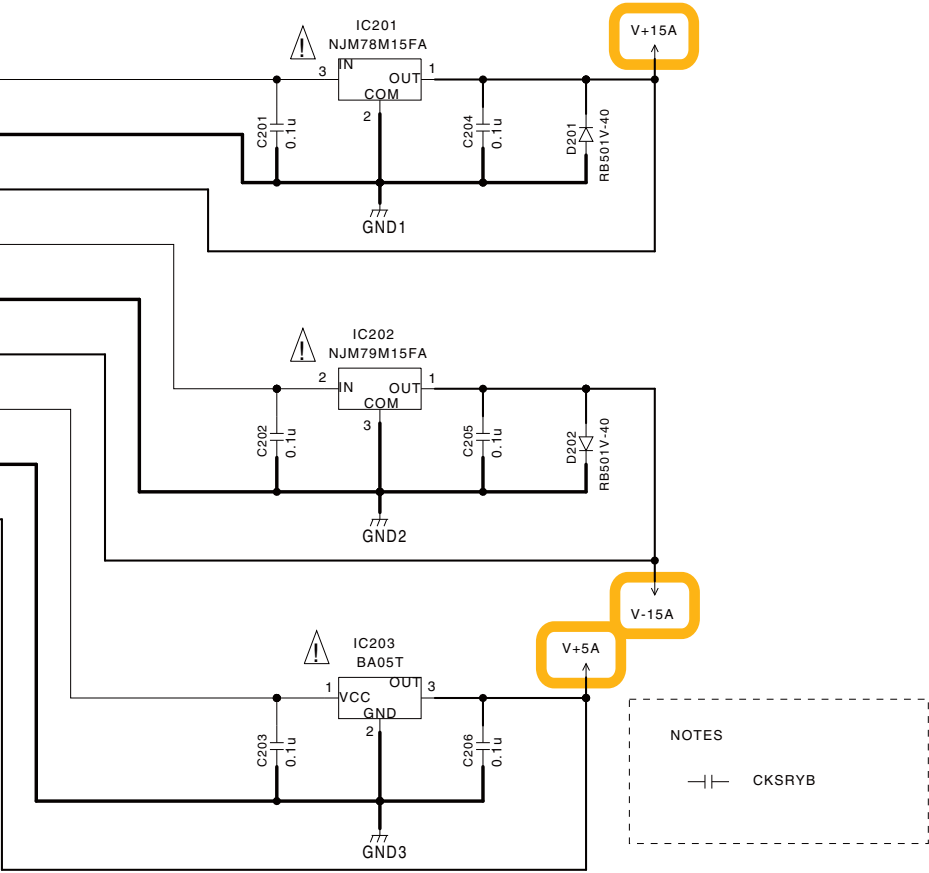
10.23 REG ASSY

**N** REG ASSY (DWX2689)

REG

**G** 6/6  
CN303

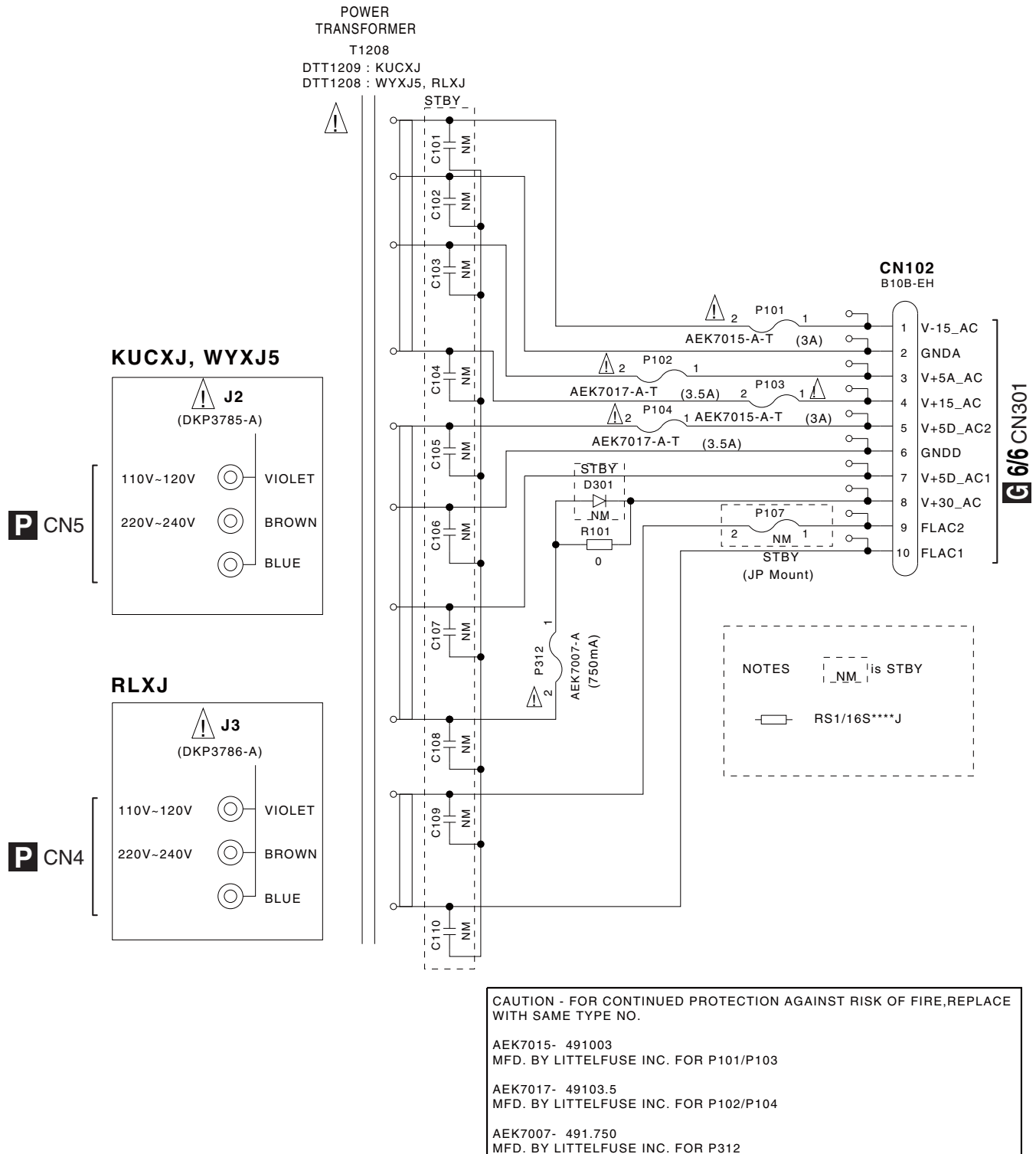
JH201  
51048-0900  
J1(Parallel line  
D20PDY0910E )



**N**

## 10.24 TRANS ASSY

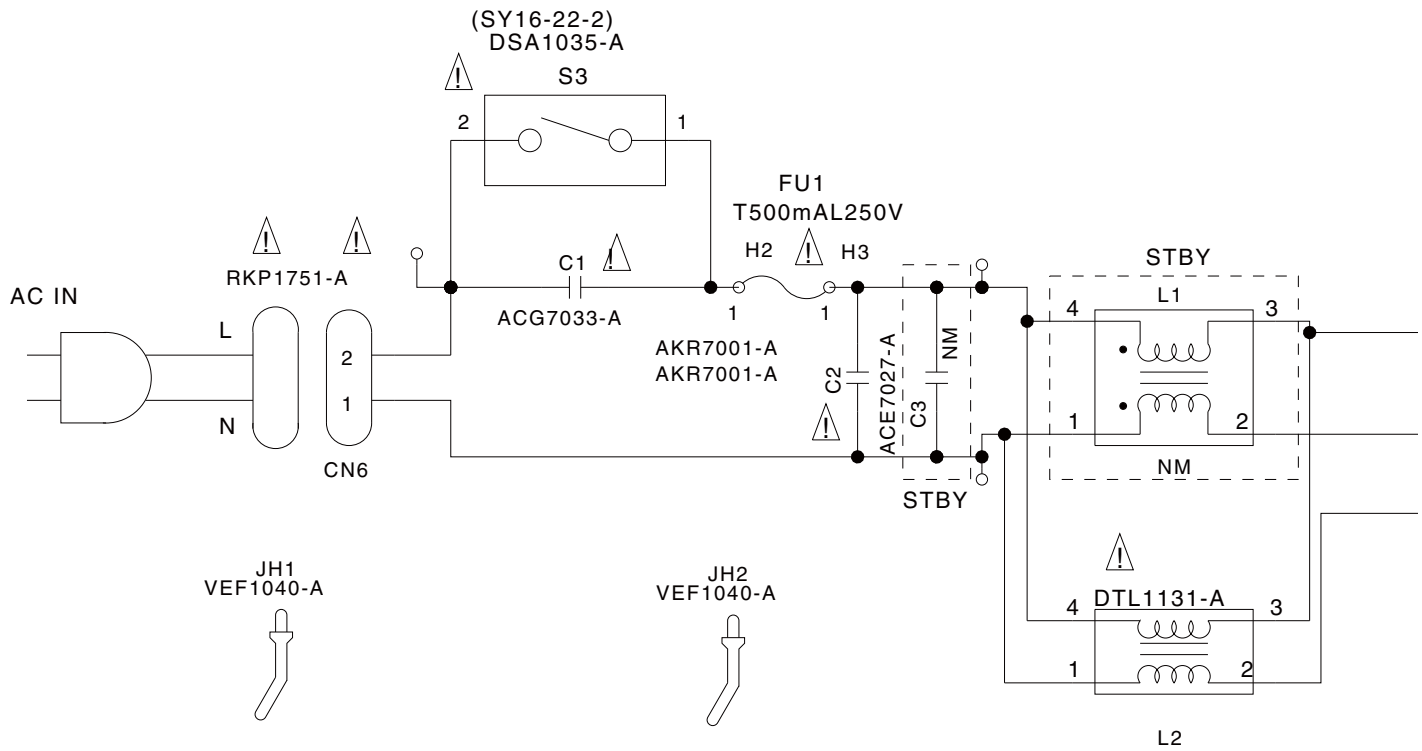
**O** TRANS ASSY (DWX2688 : KUCXJ, WYXJ5)  
(DWX2757 : RLXJ)



## 10.25 PRIMARY ASSY

**P** PRIMARY ASSY (DWX2687 : KUCXJ, WYXJ5)  
(DWX2692 : RLXJ)

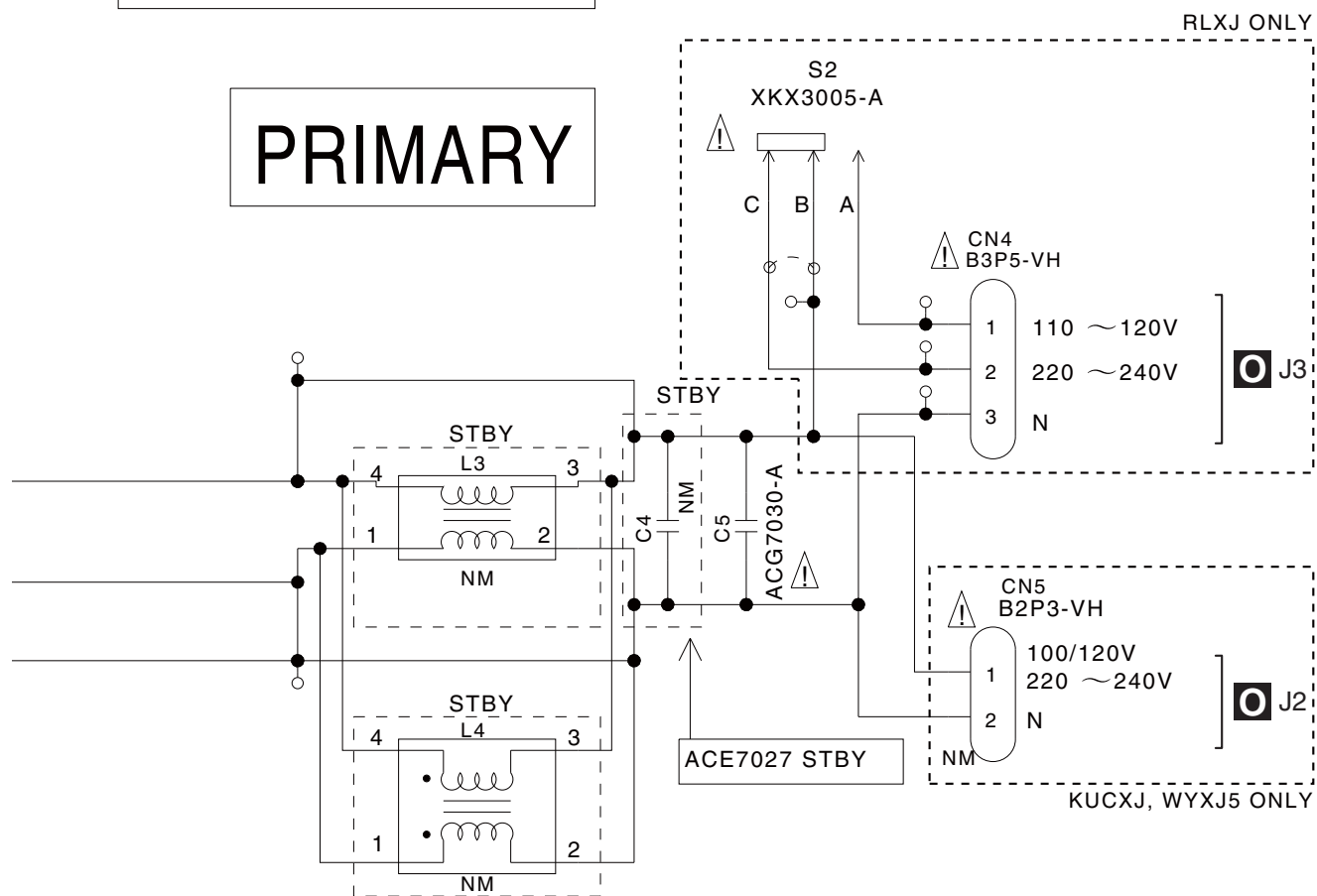
CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY  
WITH SAME TYPE NO.218.500 MFD. BY LITTELFUSE FOR FU1.



NOTES

NM is STBY

PRIMARY



## 10.26 VOLTAGES

### Measurement Condition

Input connectors	CD/LINE	Nothing
	PHONO	Nothing
	RETURN	Nothing
	MIC1	Nothing
	MIC2	Nothing
Output connectors	MASTER1	Non connction
	MASTER2	Non connction
	REC	Non connction
	BOOTH	Non connction
	SEND	Non connction
	DIGITAL OUT	Non connction
	HP	Non connction
MIC	MIC LEVEL 1	Max
	MIC LEVEL 2	Max
	MIC EQ HI	Center
	MIC EQ LOW	Center
	MIC TKOV.	OFF
FADER ST.		All Ch OFF
FREQUENCY		Center
HP	HP MONO/STEREO	STEREO
	MIXING	Center
	LEVEL	Max
CH	INPUT SELECT	All Fully counter clock wise direction (CDorLINE)
	TRIM	Max
	EQ HI	Center
	EQ MID	Center
	EQ LOW	Center
	CUE	All OFF
	FADER	All Max
	CROSS FADER ASSIGN	All Ch THRU
	CRS FADER	Center
MASTER	LEVEL	Max
	BALANCE	Center
	CUE	OFF
	MONO/STEREO	STEREO
BOOTH MONITOR		Max
CH FADER CURVE		FLAT
CRS FADER CURVE		Center
EFFECT	AUTO/TAP	AUTO
	MIDI START/STOP	START
	CUE	OFF
	EFFECT	DERAY
	CHANNEL	MASTER
	TIME	-
	LEVEL/DEPTH	Max
	ON/OFF	OFF (Lighting)
	REAR	MASTER ATT.
fs	MASTER ATT.	0dB
	fs	96K

#### Notes:

- On grounding during diagnosis of the MAIN Assy  
When the flexible cables or other cables that connect between the MAIN Assy and INPUT or OUTPUT Assys are removed, ground for some audio analog signals may be shifted upward from the chassis. In such a case, connect the frame of the phono plug (GND) and the chassis (GND) then perform diagnosis.
- On grounding during diagnosis of the INPUT or OUTPUT Assy  
When the INPUT or OUTPUT Assy is removed, ground for some audio analog signals may be shifted upward from the chassis. In such a case, connect the frame of the phono plug (GND) and the chassis (GND) then perform diagnosis.



## VOLTAGES

### D 1/4 MAIN ASSY

#### IC1101 (DYW1761-A/J)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	0.27	51	0
2	0	52	1.61
3	0	53	1.61
4	0	54	2.01
5	0 (*)	55	1.62
6	3.16	56	0
7	3.16	57	0
8	3.16	58	0
9	0	59	0
10	0	60	0
11	0	61	0.42
12	0	62	0.42
13	0	63	0.42
14	0	64	0.42
15	0	65	0.42
16	0.3	66	0.42
17	0	67	0.42
18	3.17	68	0.37
19	1.52	69	3.24
20	0	70	3.24
21	0	71	0
22	0.22	72	0
23	0.22	73	1.6
24	0	74	1.6
25	0	75	0
26	0.21	76	0
27	0	77	0.36
28	0.21	78	0
29	0	79	0.36
30	3.16	80	0.37
31	0	81	0
32	0	82	0
33	0.21	83	0.16
34	0.21	84	0.94
35	0	85	0
36	0	86	3.05
37	0	87	3.22
38	0	88	3.23
39	0	89	3.23
40	0	90	3.23
41	0	91	0
42	0	92	0
43	0	93	0
44	0	94	1.54
45	0	95	0.03
46	0	96	2.43
47	3.11	97	0
48	3.16	98	0
49	3.16	99	3.23
50	3.11	100	3.23

- If the level is low (less than 1 V), the microcomputers are operating on the external clock (X'tal). (OK)
- If the level is high (3.3 V), the microcomputers are operating on the internal clock. (NG)

### D 1/4 MAIN ASSY

#### IC1205 (DYW1760-A/J)

Pin No	Voltage(V)	Pin No	Voltage(V)
1	0	51	0
2	0	52	0
3	0	53	0
4	0	54	0
5	0 (*)	55	0
6	3.22	56	1.48
7	3.22	57	1.76
8	3.22	58	1.76
9	0	59	0
10	0	60	0
11	0	61	0
12	0	62	0
13	0	63	0
14	0	64	0
15	0	65	0
16	0	66	0
17	0	67	0
18	3.23	68	3.19
19	1.59	69	0
20	0	70	3.21
21	1.02	71	0
22	1.01	72	3.19
23	1.03	73	0
24	1.06	74	3.21
25	1.03	75	0
26	1.06	76	0
27	1.03	77	3.21
28	1.01	78	3.21
29	1.61	79	3.19
30	3.24	80	0
31	1.01	81	3.15
32	1.1	82	3.18
33	0	83	3.16
34	0	84	0
35	0	85	3.17
36	0	86	3.18
37	0	87	0
38	2	88	0
39	3.24	89	0
40	0	90	3.18
41	0	91	0
42	0	92	0
43	3.22	93	0
44	0	94	1.5
45	0.01	95	0
46	3.24	96	2.38
47	3.22	97	0
48	1.57	98	0
49	1.57	99	3.18
50	3.22	100	3.18

## Confirmation of microcomputer operation

Although the microcomputers normally operate on the external clock (X'tal), they may operate on the internal clock. In such a case, performance cannot be guaranteed. Whether the microcomputers are operating on the external or internal clock can be detected by checking whether the output from Pin 5 of IC1101 or IC1205 is low or high.

### Overview:

The purpose is to check if the 20-MHz clock is input to the microcomputers IC1101 and IC1205 from the X'tal and if they operate properly with that clock.

### Description:

For the microcomputers IC1101 and IC1205 of this unit, users can select whether the internal clock from the built-in oscillation circuit or the external clock is to be used after initialization of the unit. After the first startup and reset is canceled, the unit operates on the internal clock from the built-in high-speed oscillation circuit (default setting: 4 MHz) until user setting is made. By so doing, the microcomputers can continue operation with the internal clock if signals from the external clock are not supplied for any reason. The discrepancy in clock frequencies, which is not apparent visually, may be detected with the following phenomena, because the discrepancy in clock frequencies results in a discrepancy in processing speed:

Main microcomputer:

Discrepancy in the MIDI timing clock

Sub-microcomputer:

Discrepancy in frequencies of LED's lighting/flashing

Discrepancy in frequencies of FL's flashing

### How to judge:

The microcomputers IC1101 and IC1205 can detect whether the clock on which they are operating is internal or external, by referring to the value of an internal register. After initialization is completed, they refer to that value and judge whether or not they are operating on the external clock then output the result (low or high) from the specified terminal.

Terminal from which the result is output: Pin 5 (IC1101 and IC1205)

Status of terminal (voltage)	Result	Remarks
Low	OK	The microcomputers are operating on the 20-MHz external clock (X'tal).
High	NG	The microcomputers are operating on the internal clock.

### Note:

Only whether the operating clock is external or internal can be judged by the microcomputers. They cannot judge whether the frequency of the external clock is 20 MHz or not. If a clock whose frequency is not 20 MHz is supplied, the microcomputers operate on that clock.

**E** PANEL 1 ASSY**IC5002 (NJM2903M)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	4.91	5	0
2	0.14	6	0
3	3.23	7	0
4	0	8	4.93

**F** PANEL 2 ASSY**IC6002 (TC74HCT08AF-TBB)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	0.77	8	1
2	0.04	9	0.11
3	0.002	10	1.34
4	0	11	0.2
5	1.5	12	0
6	0	13	0.91
7	0.58	14	0.91

**N** REG ASSY**IC201 (NJM78M15FA)**

Pin No	Voltage(V)
1	14.79
2	-0.05
3	23.01

**N** REG ASSY**IC202 (NJM79M15FA)**

Pin No	Voltage(V)
1	-0.04
2	-23.21
3	-15.36

**N** REG ASSY**IC203 (BA05T)**

Pin No	Voltage(V)
1	9.46
2	0.002
3	5.017

**G** 6/6 OUTPUT ASSY**IC301 (BD9703T-V5)**

Pin No	Voltage(V)
1	12.58
2	4.995
3	-0.057
4	0.941
5	11.52

**G** 6/6 OUTPUT ASSY**IC303 (NJM78M05FA)**

Pin No	Voltage(V)
1	5
2	0
3	12.53

**G** 6/6 OUTPUT ASSY**IC304 (NJM79M05FA)**

Pin No	Voltage(V)
1	-5
2	-13.16
3	0

**D** 1/4 MAIN ASSY**IC1304 (XC3S50-4TQG144C)**

Pin no	Voltage(V)	Pin no	Voltage(V)	Pin no	Voltage(V)
1	3.01	60	0	119	2.06
2	3.01	61	1.12	120	2.42
3	3.18	62	2.45	121	1.11
4	3.01	63	0	122	1.56
5	3.01	64	0	123	1.62
6	3.01	65	0	124	2.01
7	2.99	66	3.2	125	1.56
8	3.02	67	0	126	3.19
9	0	68	0	127	0
10	2.94	69	0	128	1.43
11	2.91	70	0	129	1.61
12	3.03	71	2.43	130	2
13	3.12	72	2.45	131	1.56
14	3.01	73	1.02	132	1.62
15	3	74	1	133	1.12
16	0	75	3.2	134	2.43
17	2.98	76	1	135	1.98
18	2.99	77	1.02	136	0
19	3.16	78	1.01	137	1.57
20	0	79	0.99	138	3.2
21	0	80	0.99	139	0
22	0	81	0	140	3.13
23	0	82	1.02	141	3.19
24	3.15	83	0.98	142	0
25	0	84	1	143	2.43
26	0	85	0	144	2.43
27	0	86	0		
28	3.14	87	0		
29	0	88	0		
30	3.12	89	3.2		
31	0	90	3.2		
32	3.03	91	3.2		
33	3.02	92	0		
34	3.16	93	0		
35	3.02	94	0		
36	3.02	95	0		
37	2.4	96	0		
38	2.4	97	0		
39	2.4	98	0		
40	3.02	99	0		
41	3.01	100	0		
42	0	101	0		
43	3.17	102	0		
44	3.01	103	0		
45	0	104	0		
46	3.16	105	0		
47	0	106	3.2		
48	2.5	107	0		
49	1.16	108	0		
50	0	109	2.43		
51	0	110	2.49		
52	3.21	111	2.49		
53	3.21	112	0		
54	3.22	113	0		
55	0	114	0		
56	1.6	115	3.18		
57	0	116	1.56		
58	3.22	117	0		
59	1.97	118	1.62		

**D 2/4 MAIN ASSY****IC1001 (S-1200B33-M5)**

Pin No	Voltage(V)
1	4.98
2	0
3	4.98
4	0
5	3.25

**D 2/4 MAIN ASSY****IC1002 (BD9109FVM)**

Pin No	Voltage(V)
1	3.12
2	0.76
3	4.77
4	0
5	0
6	3.13
7	4.77
8	4.77

**D 2/4 MAIN ASSY****IC1003 (BD9106FVM)**

Pin No	Voltage(V)
1	0.46
2	0.55
3	4.49
4	0
5	0
6	0.85
7	4.46
8	4.45

**D 2/4 MAIN ASSY****IC1004 (S-1200B25-M5)**

Pin No	Voltage(V)
1	3.24
2	0
3	3.24
4	0
5	2.49

**D 2/4 MAIN ASSY****IC1402 (K4S641632K-UC75)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	3.22	28	0
2	3.04	29	2.87
3	3.21	30	2.87
4	3.04	31	2.87
5	3.05	32	2.86
6	0	33	0
7	0	34	0
8	3.22	35	0
9	3.22	36	0
10	3.04	37	2.98
11	3.03	38	1.33
12	0	39	2.91
13	3.07	40	0
14	3.21	41	0
15	3.15	42	2.83
16	3.2	43	2.96
17	3.18	44	2.86
18	3.19	45	2.87
19	3.19	46	0
20	0.1 - 3.2	47	2.7
21	2.98	48	2.89
22	0	49	2.96
23	0	50	2.89
24	3.08	51	2.69
25	3.07	52	0
26	3.07	53	2.69
27	3.22	54	0

**D 2/4 MAIN ASSY****IC1403 (DYW1762-C/J)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	0	25	0
2	0	26	3.21
3	2.98	27	0
4	0 - 3.04	28	3.19
5	0	29	3
6	0	30	3.08
7	0	31	3.17
8	0	32	3.18
9	0	33	3.17
10	0	34	3.18
11	3.2	35	3.18
12	3.18	36	3.17
13	0	37	3.21
14	0	38	3.17
15	0	39	3.17
16	0	40	3.18
17	0	41	3.17
18	3.06	42	3.17
19	3.06	43	3.18
20	3.07	44	3.19
21	3.07	45	2.94
22	3.07	46	0
23	3.07	47	3.21
24	3.08	48	0

**D 2/4 MAIN ASSY****IC1401 (D610A003BPYP225)**

Pin No	Voltage(V)	Pin No	Voltage(V)	Pin No	Voltage(V)	Pin No	Voltage(V)
1	0.07-3.24	60	1	119	3.12	178	0
2	3.24	61	3.05	120	3.12	179	0.09
3	1.16	62	1.63	121	2.97	180	0
4	0	63	3.11	122	2.98	181	0.94
5	3.24	64	3.1	123	2.97	182	0
6	3.24	65	3.24	124	0	183	3.06
7	0	66	0	125	0	184	0
8	0	67	1.16	126	3.01	185	0
9	3.24	68	3.1	127	0	186	3.07
10	0	69	3.1	128	2.99	187	0
11	1.16	70	3.1	129	2.99	188	3.07
12	1.6	71	3.09	130	2.99	189	0
13	0	72	3.24	131	2.98	190	0.98
14	1.16	73	0	132	2.98	191	3.06
15	0	74	3.09	133	0.94	192	3.06
16	1.67	75	3.22	134	0	193	3.06
17	2.46 - 2.51	76	0	135	3.24	194	0
18	2.46 - 2.49	77	1.61	136	0	195	0
19	1.68	78	0.16	137	0	196	0.98
20	2.43 - 2.49	79	3.21	138	3.24	197	0
21	1.62	80	1.16	139	1.62	198	3.06
22	1.16	81	0	140	1.67	199	0
23	0	82	0	141	3.24	200	0
24	1.46	83	3.23	142	0	201	0.98
25	3.08	84	3.24	143	0.8	202	3.06
26	0	85	0	144	0	203	0
27	2.31	86	0	145	0	204	1.37
28	1.45	87	3.24	146	0	205	3.06
29	1	88	0	147	1.35	206	3.05
30	0	89	1.16	148	0	207	0
31	0	90	0 - 3.01	149	1.16	208	0.96
32	0.6	91	0	150	1.24 - 1.4		
33	0	92	0	151	3.2		
34	0	93	0	152	3.2		
35	1	94	3.03	153	1.67		
36	0	95	0	154	0		
37	0	96	1.17	155	1.62		
38	0	97	0	156	3.24		
39	0	98	3.24	157	1.16		
40	1	99	0	158	0		
41	0	100	0	159	1.49		
42	0	101	0	160	3.24		
43	1	102	3.23	161	1.49		
44	3.08	103	3.24	162	3.24		
45	0	104	1.16	163	3.23		
46	1	105	1.15	164	3.23		
47	3.08	106	0	165	3.23		
48	0	107	0	166	3.23		
49	0	108	3.21	167	3.23		
50	1	109	0	168	3.23		
51	1	110	3.15	169	1.16		
52	0	111	3.14	170	0		
53	1	112	2.95	171	0		
54	0	113	2.95	172	3.23		
55	3.08	114	3.21	173	0		
56	3.08	115	0	174	3.24		
57	3.08	116	1.13	175	0		
58	3.08	117	2.96	176	3.21		
59	0	118	3.14	177	1.16		

**D 3/4 MAIN ASSY****IC1511 (WM8786GEDS/V)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.54	11	3.23
2	2.53	12	0
3	0	13	3.23
4	4.97	14	0
5	0	15	3.24
6	1.6	16	0
7	0.76 - 0.8	17	2.52
8	1.66	18	4.05
9	1.89	19	2.53
10	0	20	2.54

**D 4/4 MAIN ASSY****IC1604 (AK5358AET)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.5	9	1.4
2	2.5	10	1.61
3	0	11	1.79
4	2.5	12	1.65
5	0	13	3.24
6	4.98	14	0
7	3.6	15	0
8	0	16	0

**D 4/4 MAIN ASSY****IC1603 (PCM1738EG-3)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	3.25	15	0
2	0	16	2.43
3	0	17	2.43
4	1.62	18	0
5	2.13	19	2.44
6	1.65	20	2.43
7	1.81	21	2.44
8	0	22	2.84
9	3.25	23	4.98
10	1.72	24	4.98
11	0.07	25	2.43
12	0	26	2.43
13	3.23	27	0
14	3.23	28	4.98

**D 4/4 MAIN ASSY****IC1702 (AD1895AYRS)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	0	15	0
2	1.63	16	0
3	1.12	17	0
4	3.04	18	0
5	1.48	19	0
6	1.42	20	0
7	3.04	21	0
8	0	22	3.06
9	0	23	0.88
10	0	24	1.43
11	0	25	1.44
12	0	26	0
13	3.05	27	3.06
14	0	28	0

**D 3/4 MAIN ASSY****IC1512 (WM8786GEDS/V)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.54	11	3.29
2	2.53	12	0
3	0	13	3.29
4	4.97	14	0
5	0	15	3.29
6	1.6	16	0
7	0.77	17	2.5
8	1.65	18	3.99
9	1.89	19	2.53
10	0	20	2.54

**D 4/4 MAIN ASSY****IC1605 (AK4387ET)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.9	9	0
2	1.66	10	2.5
3	0	11	2.5
4	1.61	12	2.47
5	3.24	13	0
6	3.23	14	4.98
7	0	15	4.94
8	0	16	0

**D 4/4 MAIN ASSY****IC1610 (AK5358AET)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.4	9	1.1 - 1.31
2	2.4	10	1.54
3	0	11	1.83
4	2.4	12	1.58
5	0	13	3.17
6	4.91	14	0
7	3.52	15	0
8	0	16	0

**D 4/4 MAIN ASSY****IC1703 (AK4114VQ)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.48	25	0.28
2	0	26	1.59
3	1.49	27	2.09
4	0	28	0.49
5	1.49	29	1.14
6	0	30	1.8
7	1.49	31	3.21
8	0	32	0
9	0	33	0
10	0	34	3.21
11	3.14	35	3.2
12	0	36	0
13	3.14	37	0
14	0	38	3.21
15	3.14	39	1.15
16	0	40	1.15
17	1.28	41	0
18	0	42	1.56
19	0	43	0
20	0	44	1.56
21	3.13	45	0
22	0	46	1.56
23	1.93	47	0
24	1.5	48	1.56

**D 3/4 MAIN ASSY****IC1513 (WM8786GEDS/V)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.55	11	3.19
2	2.54	12	0
3	0	13	3.19
4	4.92	14	0
5	0	15	3.19
6	1.55	16	0
7	0.72	17	2.41
8	1.59	18	3.94
9	1.75	19	2.45
10	0	20	2.46

**D 4/4 MAIN ASSY****IC1601 (AK4387ET)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.79	9	0
2	1.65	10	2.48
3	2.13	11	2.48
4	1.61	12	2.47
5	3.24	13	0
6	3.23	14	4.98
7	0	15	4.98
8	0	16	0

**D 4/4 MAIN ASSY****IC1611 (AK4387ET)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.83	9	0
2	1.59	10	2.39
3	2.33	11	2.39
4	1.54	12	2.4
5	3.17	13	0
6	3.16	14	4.91
7	0	15	4.86
8	0	16	0

**D 3/4 MAIN ASSY****IC1514 (WM8786GEDS/V)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	2.45	11	3.19
2	2.44	12	0
3	0	13	3.19
4	4.92	14	0
5	0	15	3.19
6	1.55	16	0
7	0.74	17	2.43
8	1.59	18	3.94
9	1.74	19	2.44
10	0	20	2.45

**D 4/4 MAIN ASSY****IC1602 (AK4387ET)**

Pin No	Voltage(V)	Pin No	Voltage(V)
1	1.81	9	0
2	1.65	10	2.5
3	2.13	11	2.5
4	1.61	12	2.5
5	3.24	13	0
6	3.23	14	4.98
7	0	15	4.98
8	0	16	0

## 10.27 WAVEFORMS

### Waveform Measurement Conditions

IN or OUT	Measure CH	IN CH	IN LEVEL (Trim Max)	IN FREQUENCY	RL	Other settings	Other settings
IN	CD	CH1	-6dB	1K			
IN	LINE	CH1	-6dB	1K			
IN	PHONO	CH3	-46dB	1K			
IN	MIC 1/2	MIC 1/2	-46dB	1K			
IN	RETURN	RETURN	-6dB	1K		Center the Level/Depth VR	
OUT	MASTER1/2	CH1/CD	-6dB	1K	10K $\Omega$		Center all EQs/FADER at Max
OUT	BOOTH	CH1/CD	-6dB	1K	10K $\Omega$		Center all EQs/FADER at Max
OUT	REC	CH1/CD	-6dB	1K	10K $\Omega$		Center all EQs/FADER at Max
OUT	SEND	CH1/CD	-6dB	1K	10K $\Omega$		Center all EQs/FADER at Max
OUT	HP	CH1/CD	-6dB	1K	32 $\Omega$	Center HP LEVEL	Center all EQs/FADER at Max
OUT	DIG OUT	CH1/CD	-6dB	1K	75 $\Omega$		Center all EQs/FADER at Max

Switch type settings (fixed)  
 MASTER ATT . . . . 0dB  
 fs . . . . . 96K  
 MONO/ST . . . . . ST  
 CH FADER CURVE . . . FLAT  
 CROSS FADER CURVE . . . CENTER  
 CROSS FADER ASSIGN . . . THRU

\* The output waveform is measured at the CH1CD input.

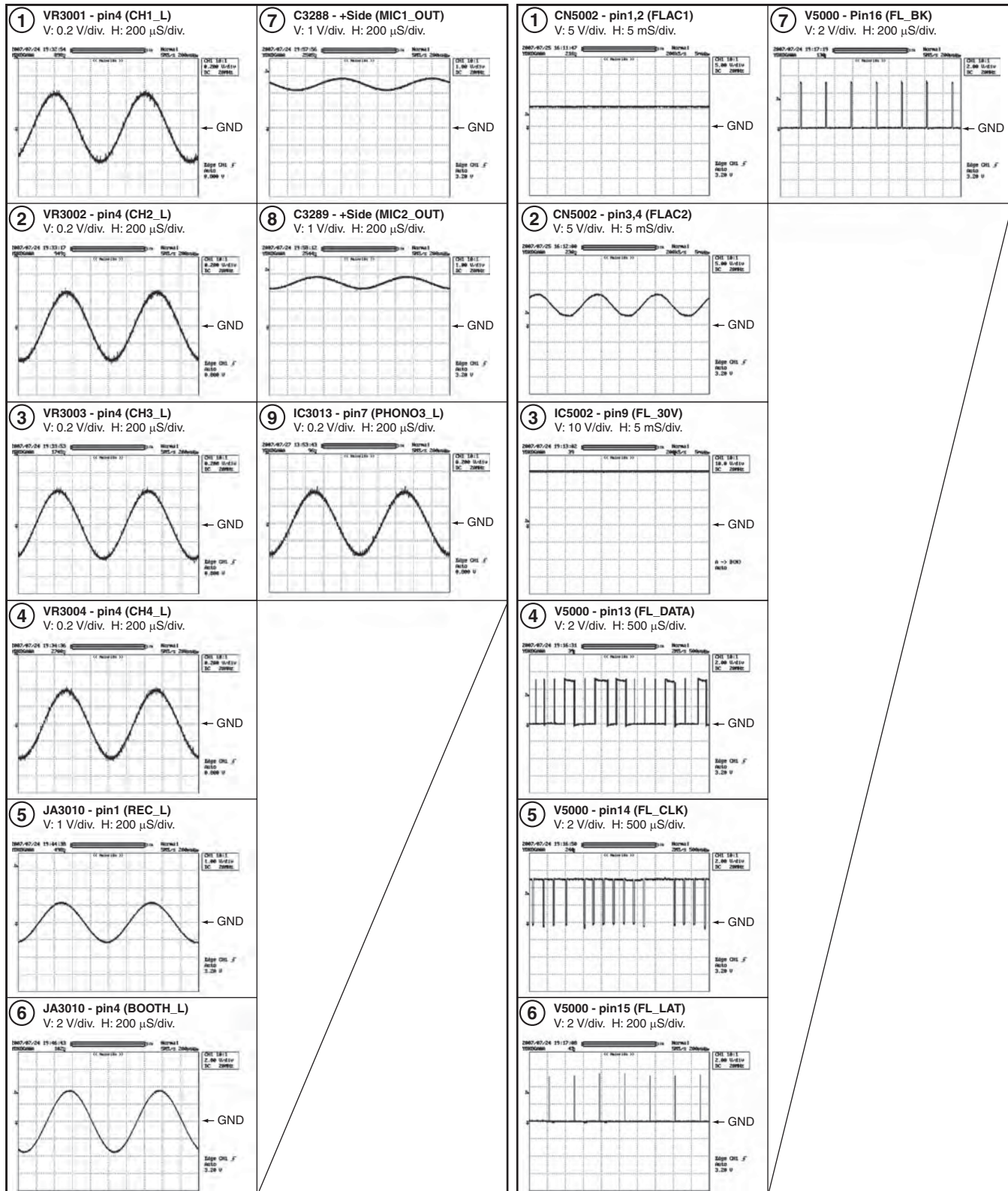
#### Notes:

- On grounding during diagnosis of the MAIN Assy  
 When the flexible cables or other cables that connect between the MAIN Assy and INPUT or OUTPUT Assys are removed, ground for some audio analog signals may be shifted upward from the chassis. In such a case, connect the frame of the phono plug (GND) and the chassis (GND) then perform diagnosis.
- On grounding during diagnosis of the INPUT or OUTPUT Assy  
 When the INPUT or OUTPUT Assy is removed, ground for some audio analog signals may be shifted upward from the chassis. In such a case, connect the frame of the phono plug (GND) and the chassis (GND) then perform 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

## E PANEL 1 ASSY

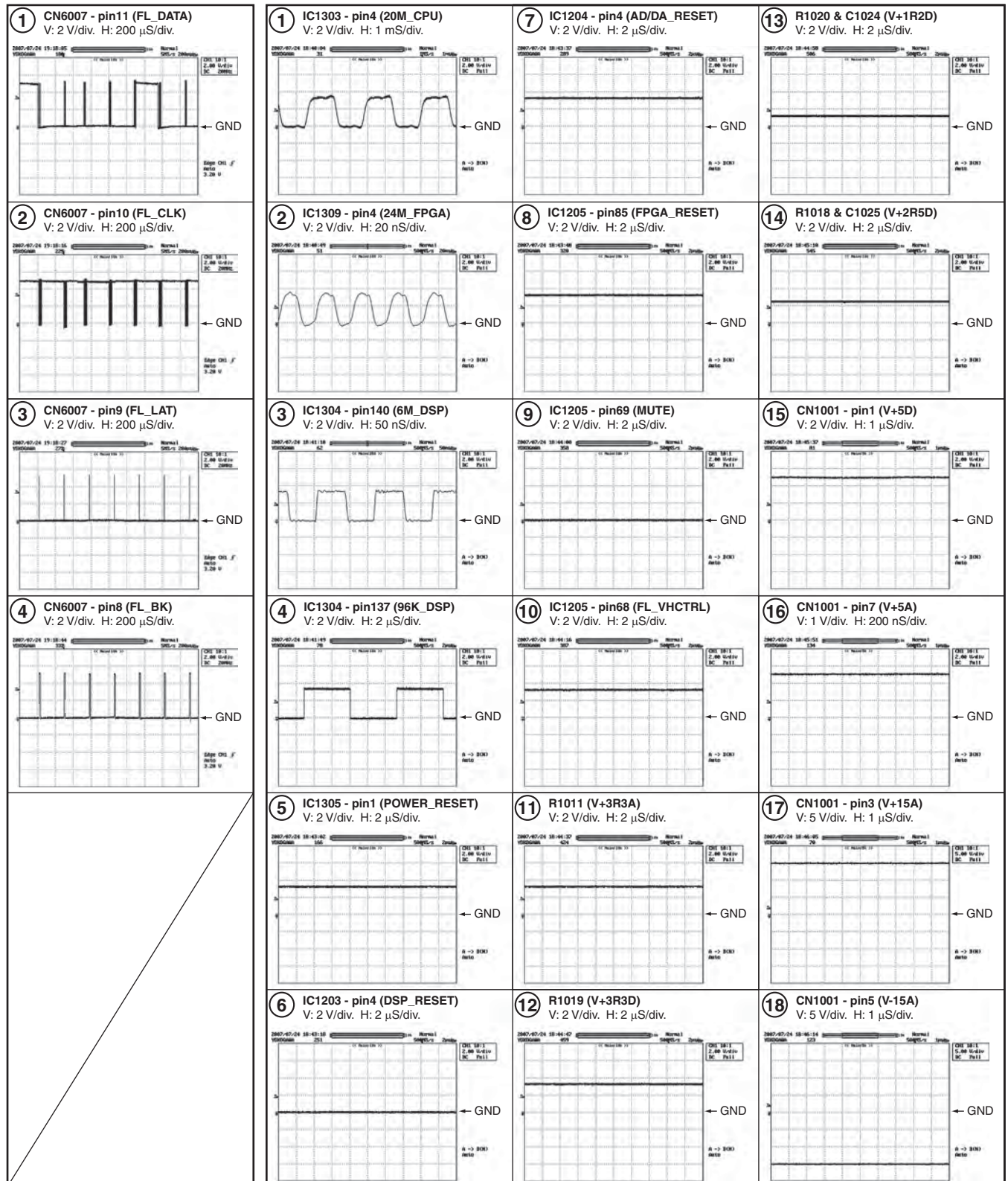




**NOTE:** The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

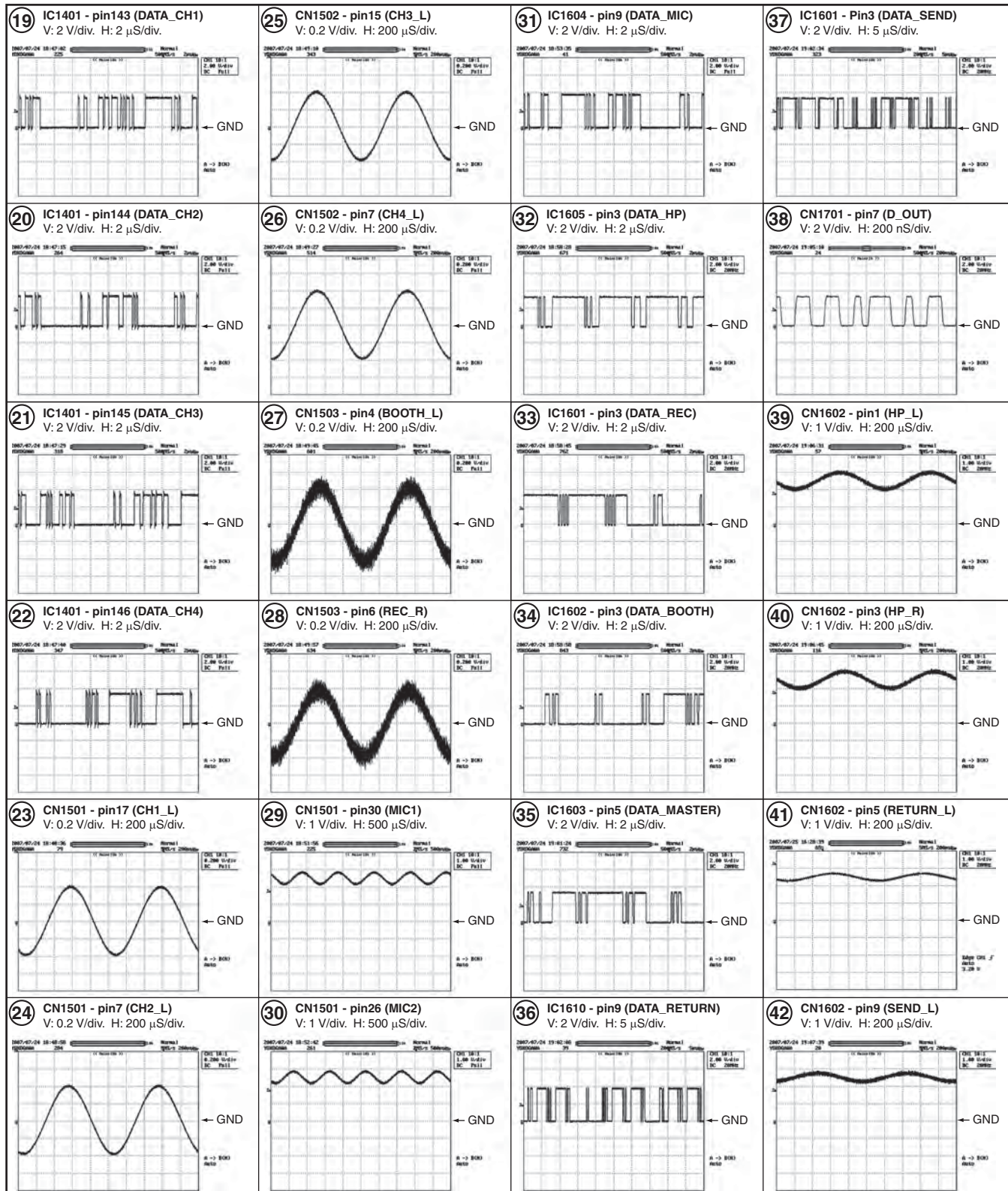
## F PANEL 2 ASSY

## D MAIN ASSY



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

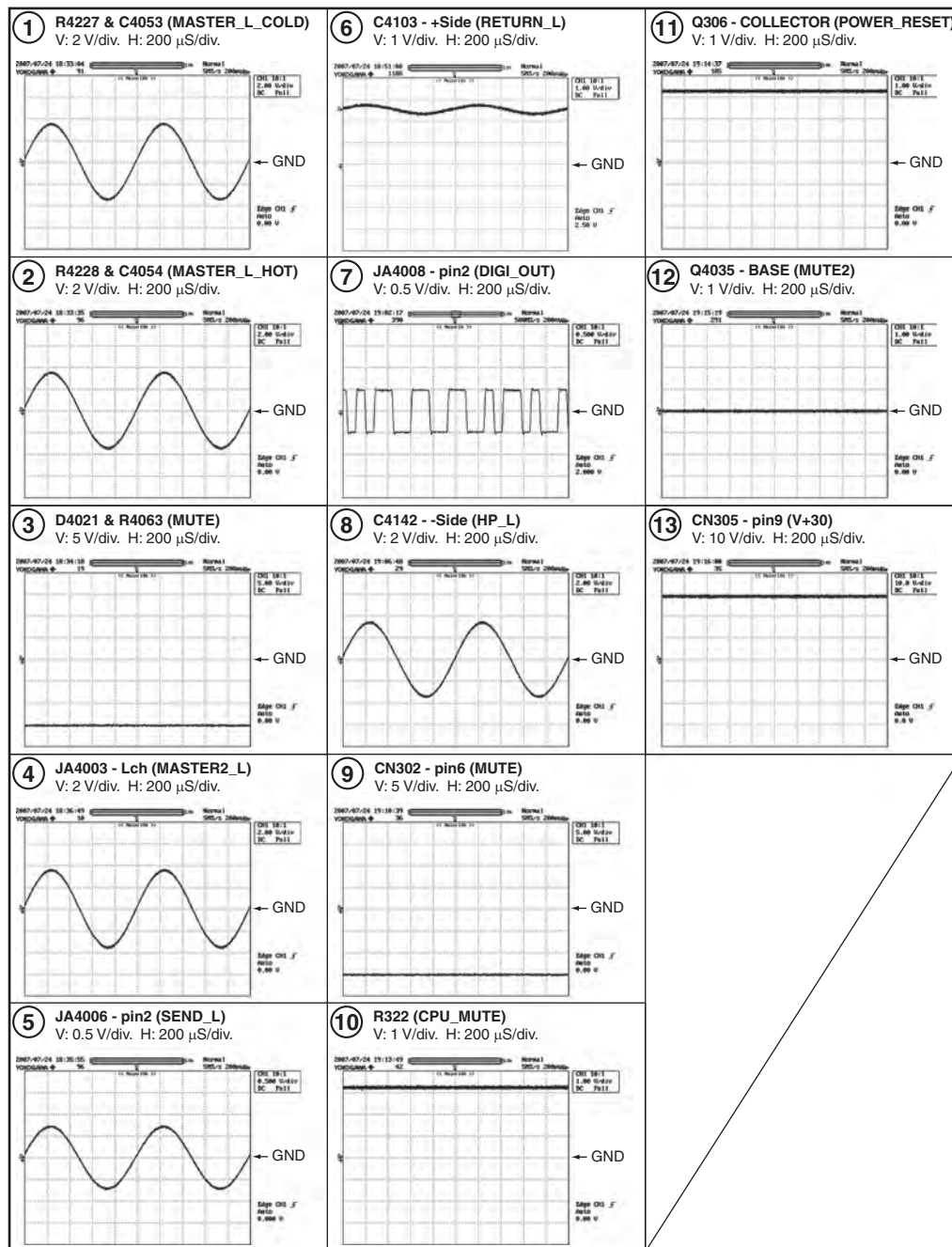
## D MAIN ASSY





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

## G OUTPUT ASSY



•

F

## VR3002





Q

□

- F

1

- 1

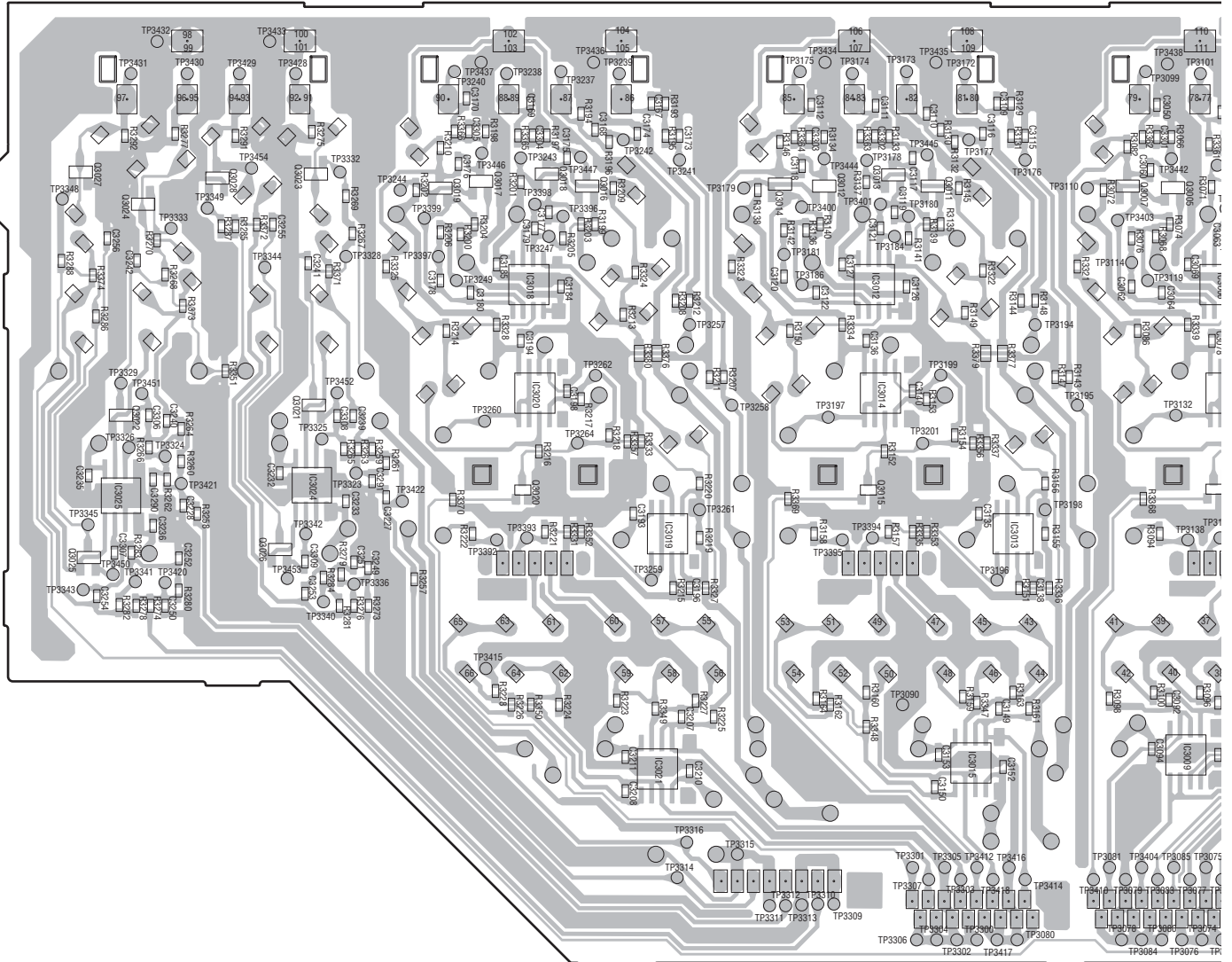


A

A

Q3027	Q3024	Q3028	Q3023	Q3019	Q3017	Q3018	Q3016	Q3014	Q3012	Q3013	Q3011	Q3007	Q3005	IC301
	Q3022		Q3021			IC3018				IC3012				IC301
	IC3025		IC3024			IC3020				IC3014				Q301
Q3025		Q3026				Q3020	IC3019			Q3015	IC3015	IC3013	IC3009	
						IC3021								

## A INPUT ASSY



CN3015

CN3014

CN3C

E

F

**A**

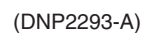


A

IC3027



CN7502



1

113

:

# 11.2 MAIN ASSY

SIDE A

**D** MAIN ASSY

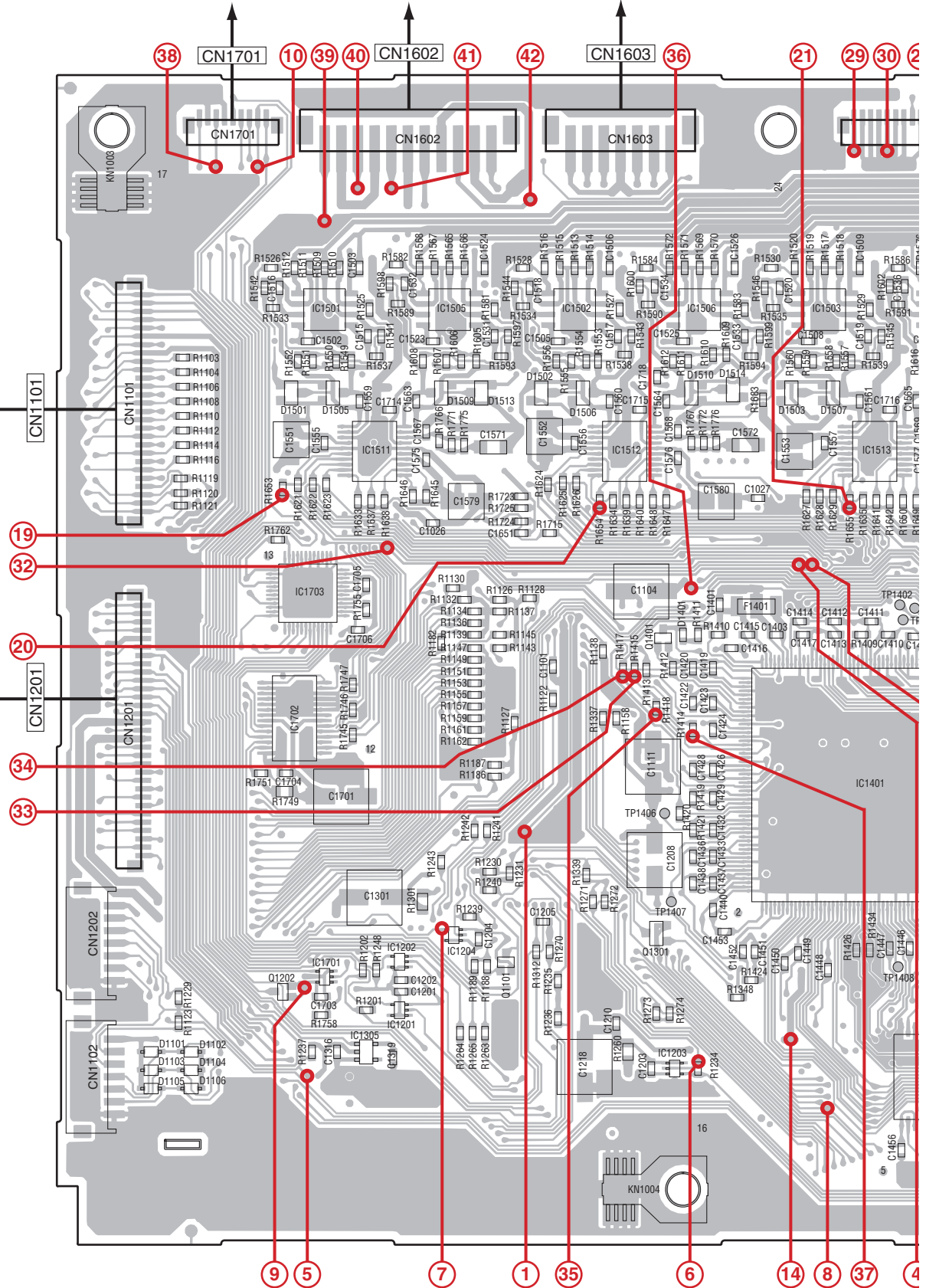
**G** CN4003

**G** CN4001

**G** CN4002

**E** CN5000

**F** CN6001



**SIDE A**

A

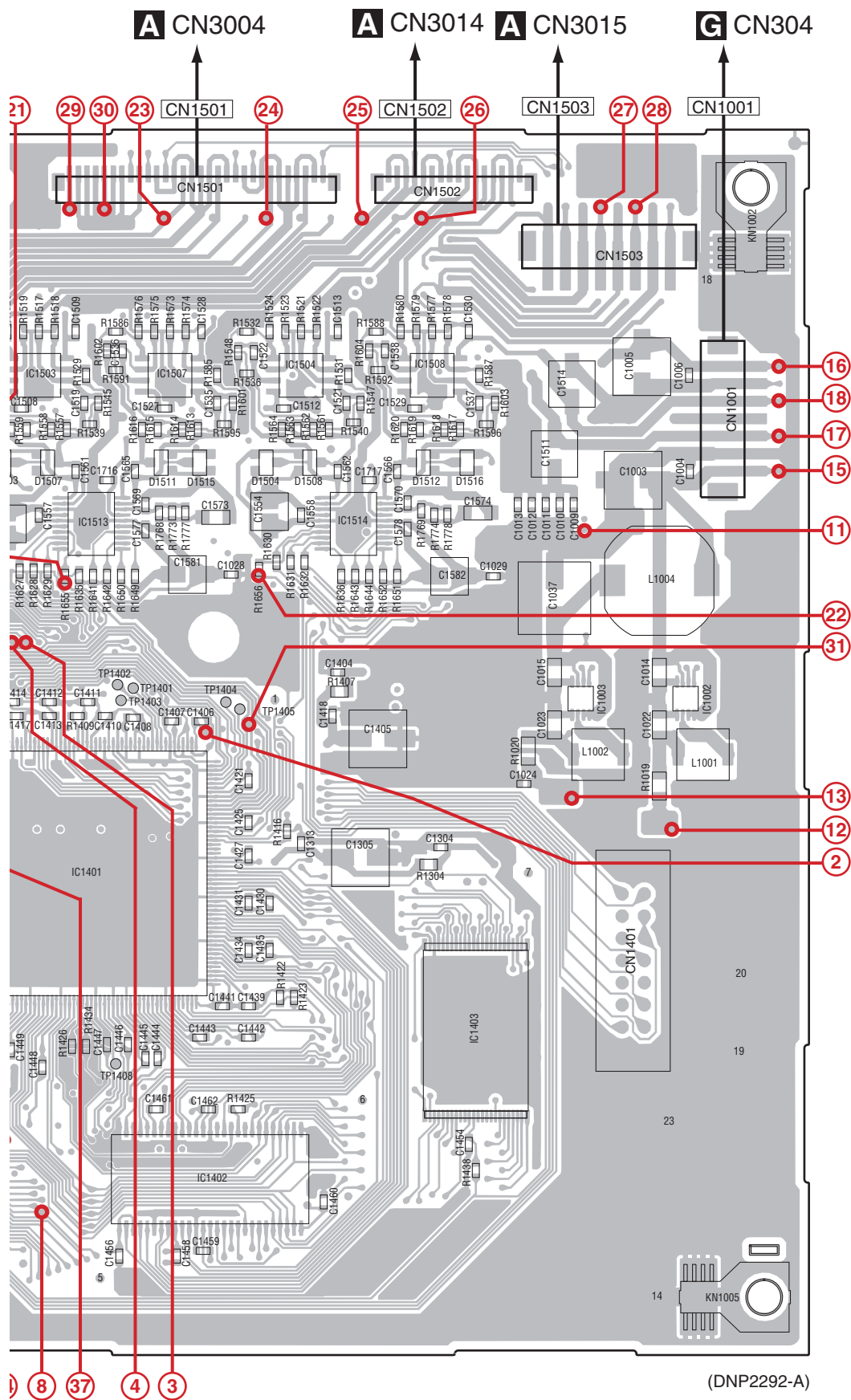
B

C

D

E

F



IC1501 IC1502 IC1503 IC1508  
IC1505 IC1506 IC1507 IC1504

IC1511 IC1512 IC1513  
IC1514

IC1703  
IC1003 IC1002  
Q1401

IC1702

IC1401

IC1403

IC1204 Q1301  
IC1701 IC1202  
Q1101  
IC1201

IC1305  
IC1203  
IC1402

**NOTE:** The encircled numbers denote measuring point.

DJM-700-S

**D**

A

B

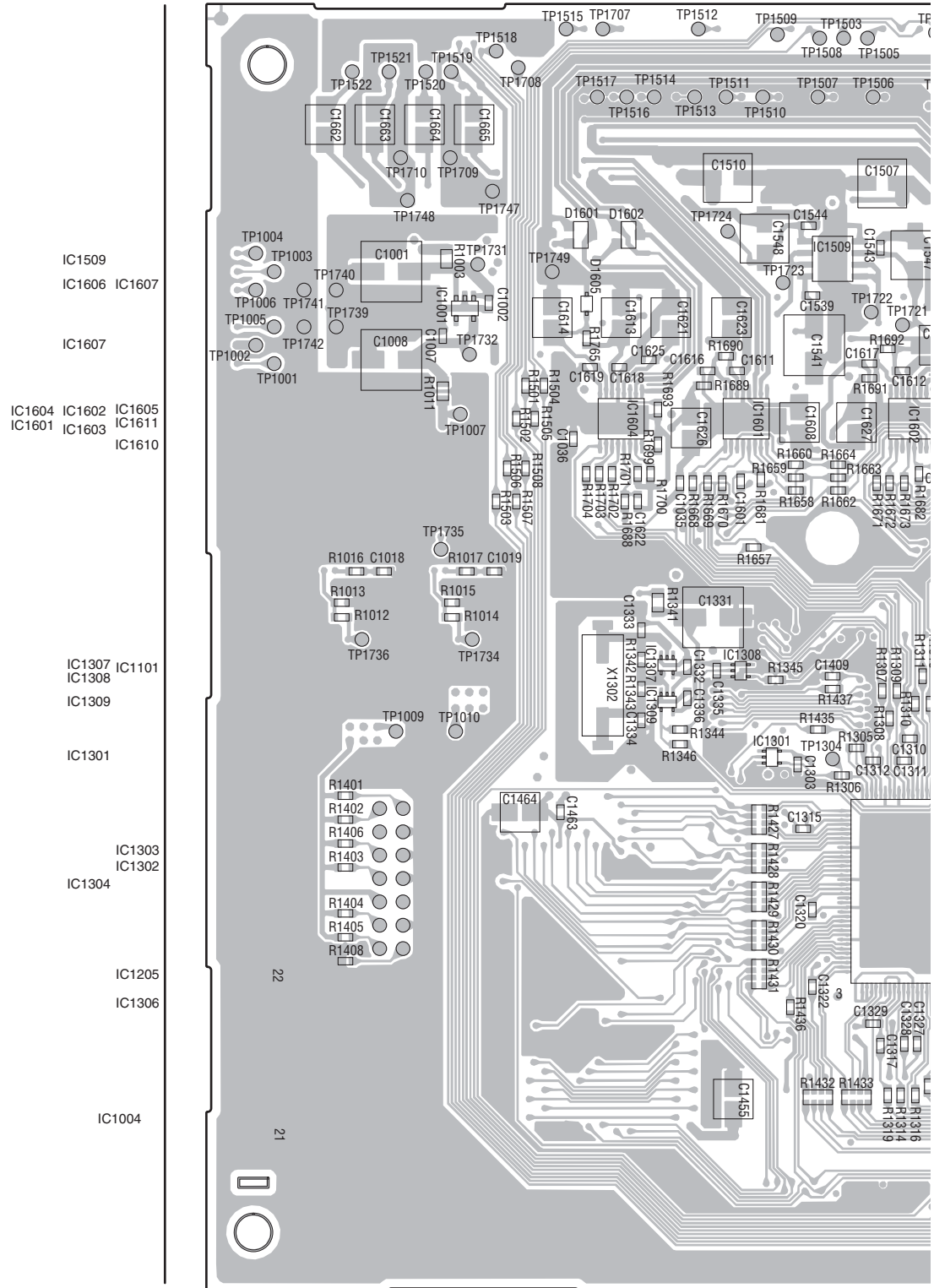
C

D

E

F

## D MAIN ASSY



D



A

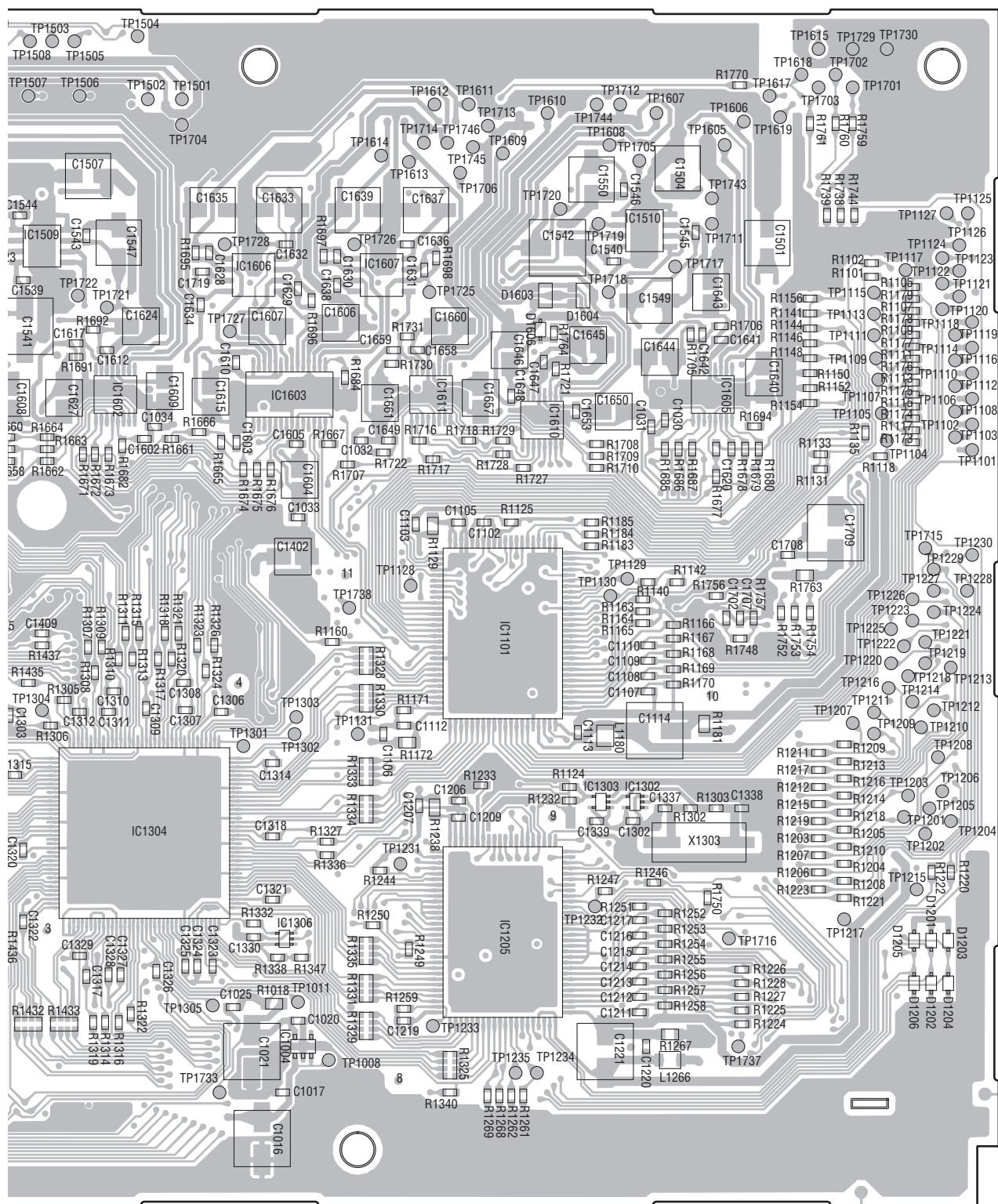
1

C

□

E

1



(DNP2292-A)

D

117

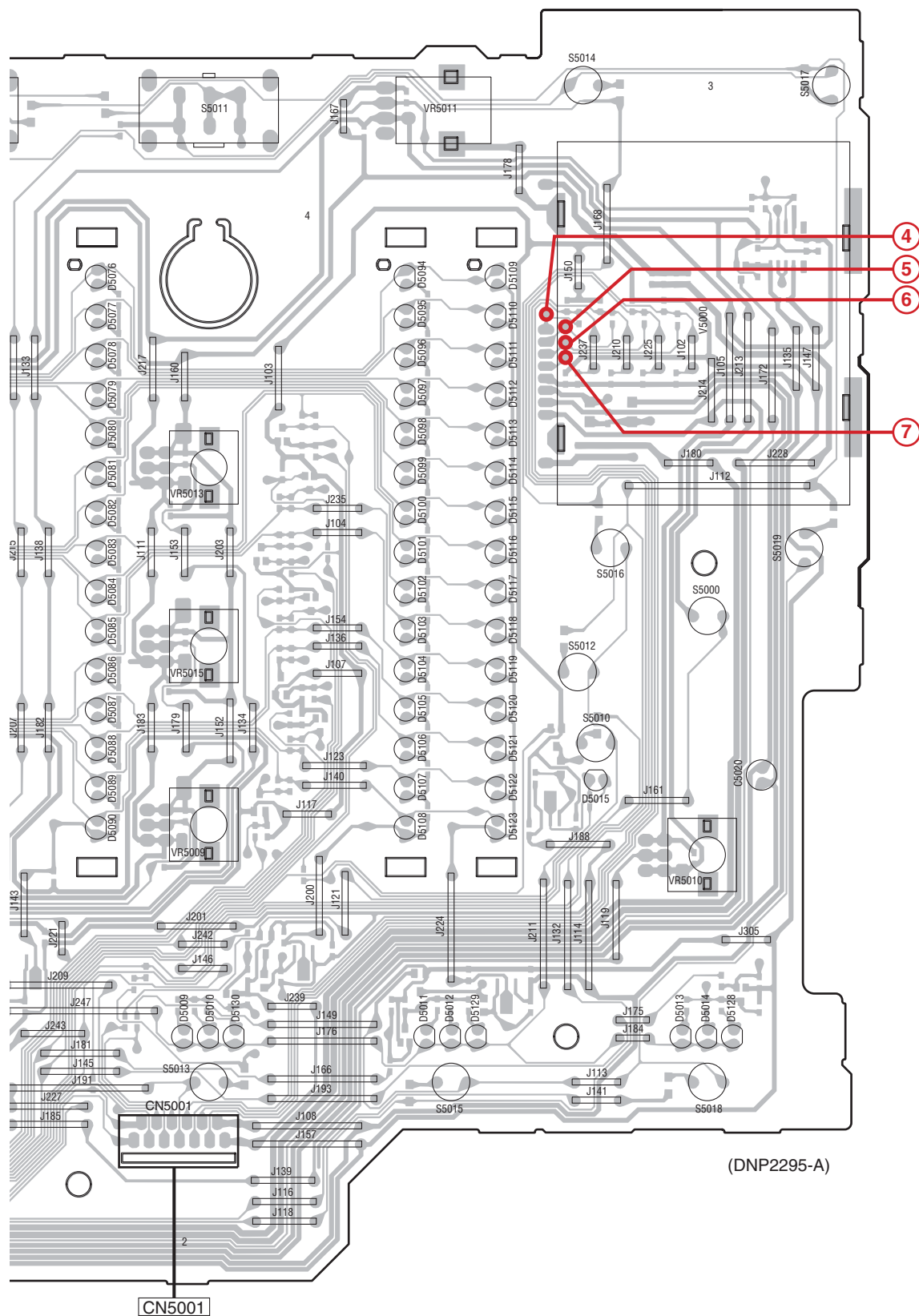
DJM-700-S

## SIDE A

## 1

**G** CN305

**D** CN1101

**SIDE A****F** CN6007**NOTE:** The encircled numbers denote measuring point.

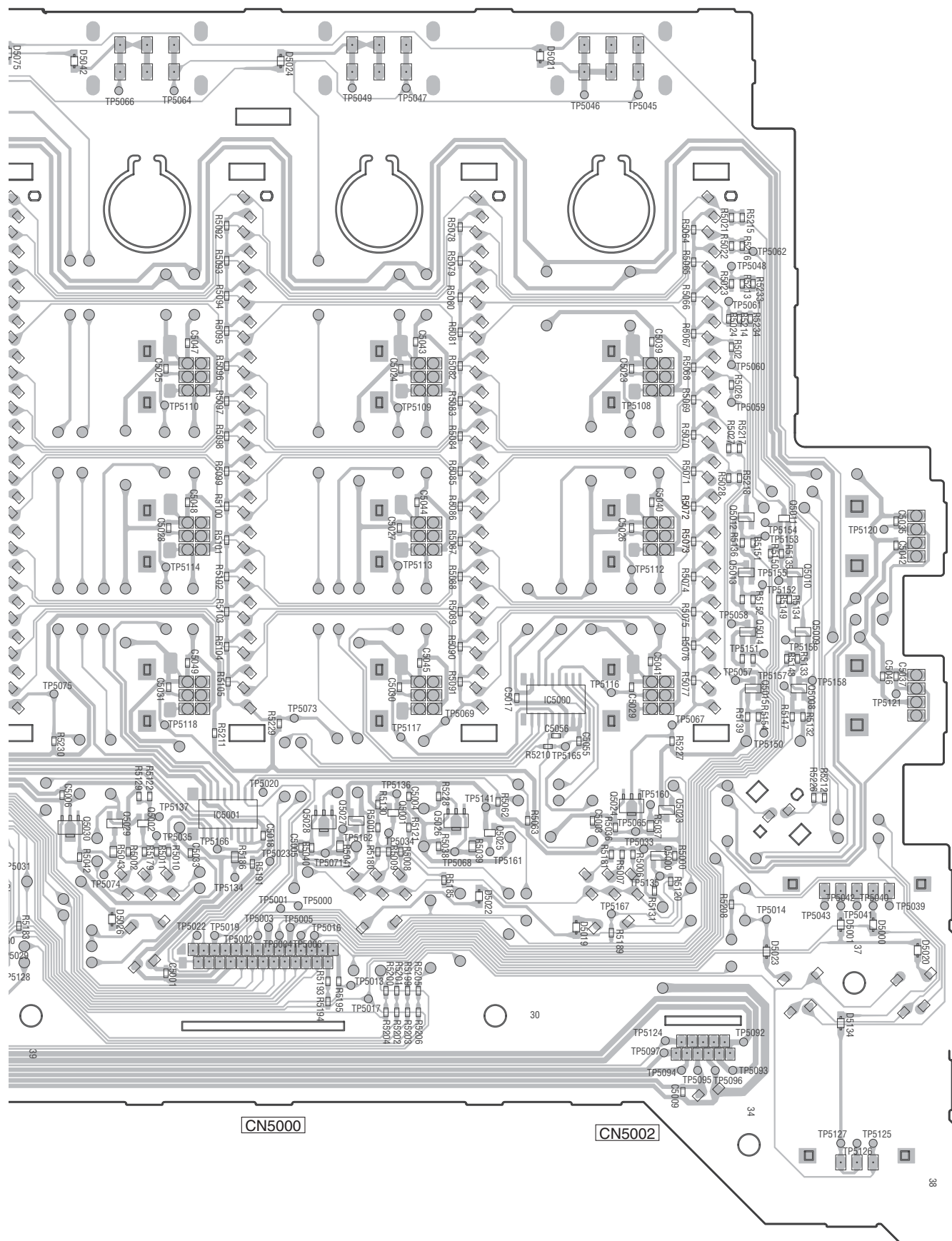
DJM-700-S





**SIDE B**

1

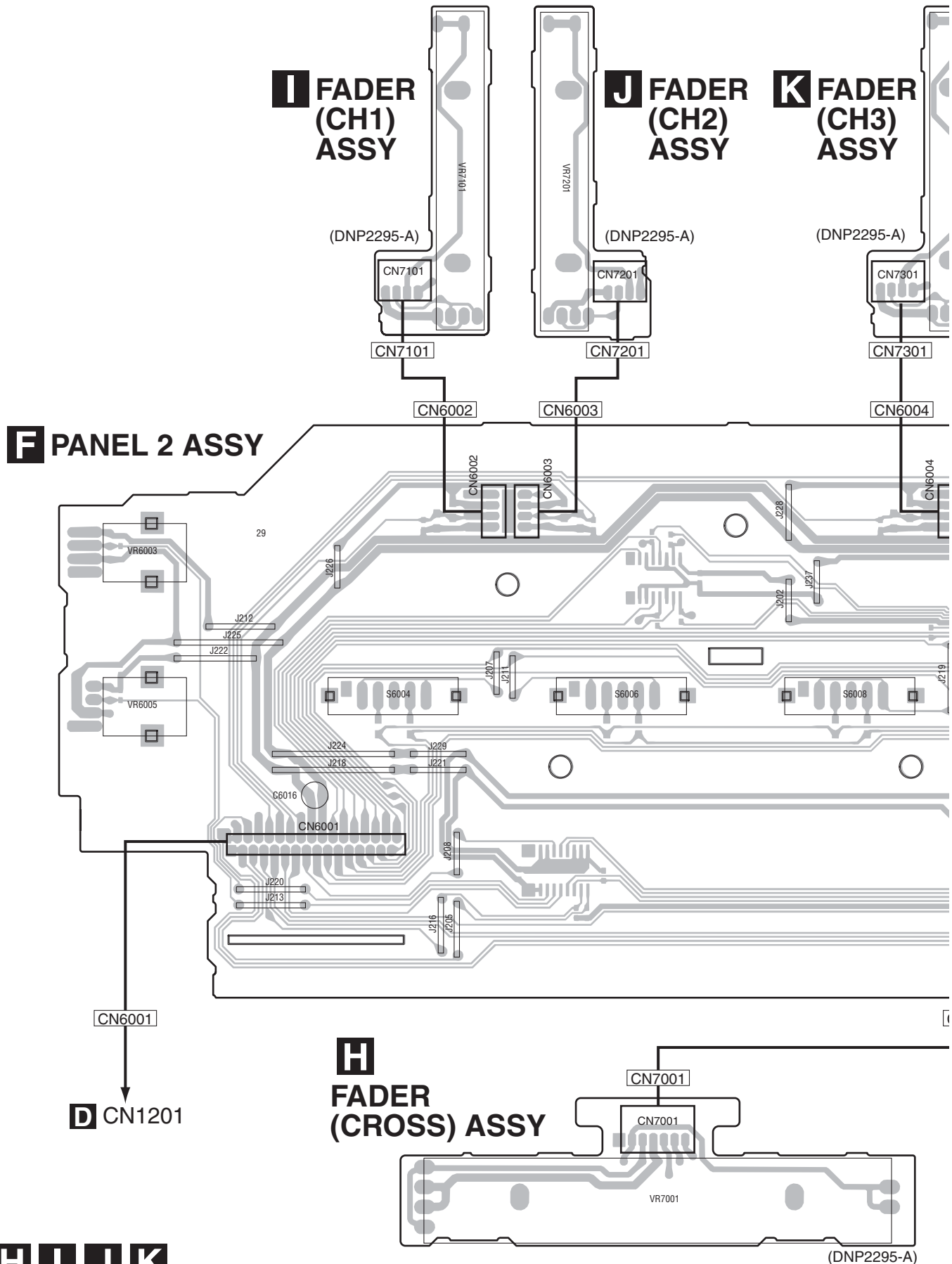


(DNP2295-A)



## SIDE A

F



A



9

□

F

1

123

8

A

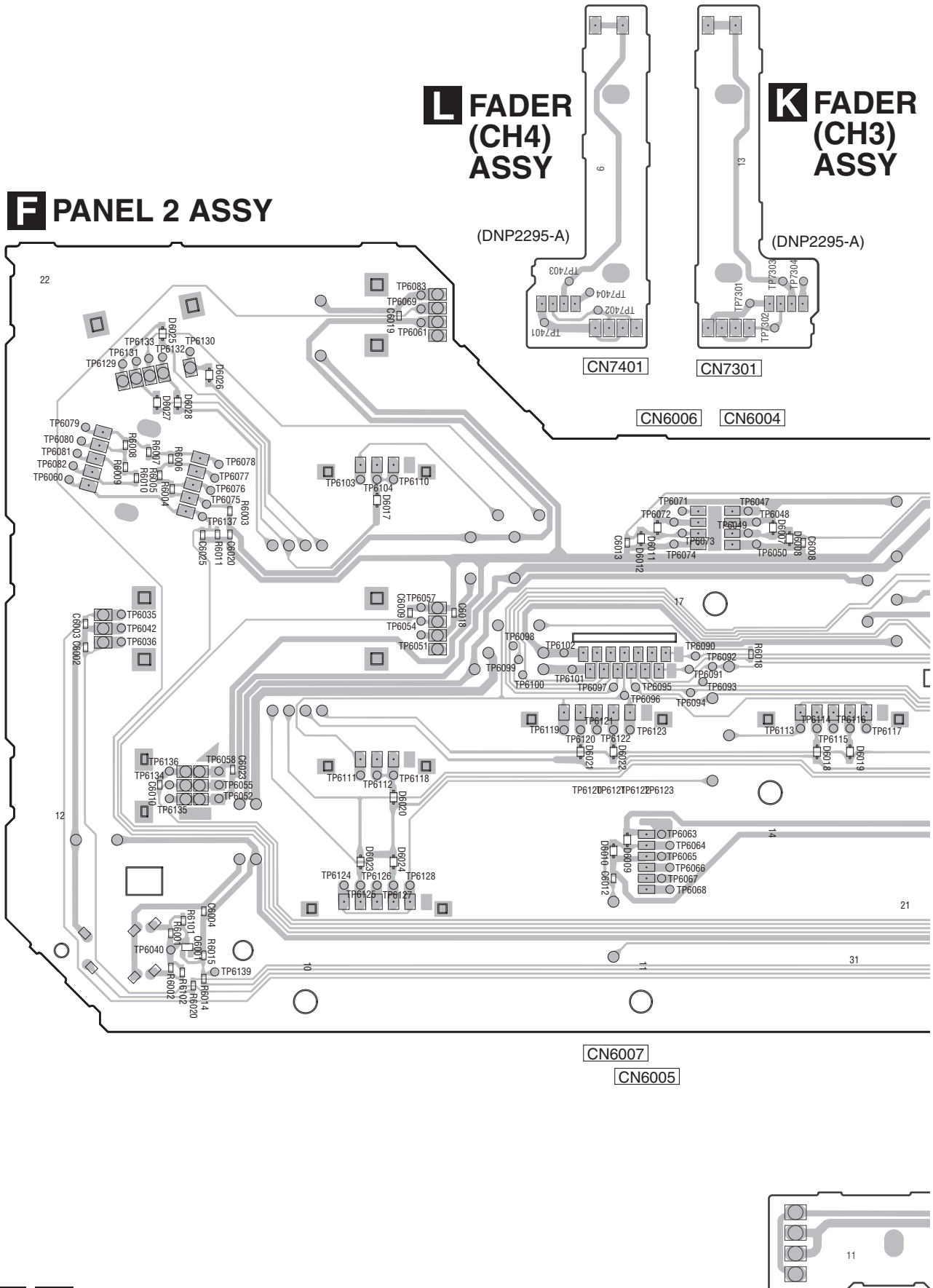
B

C

D

E

F



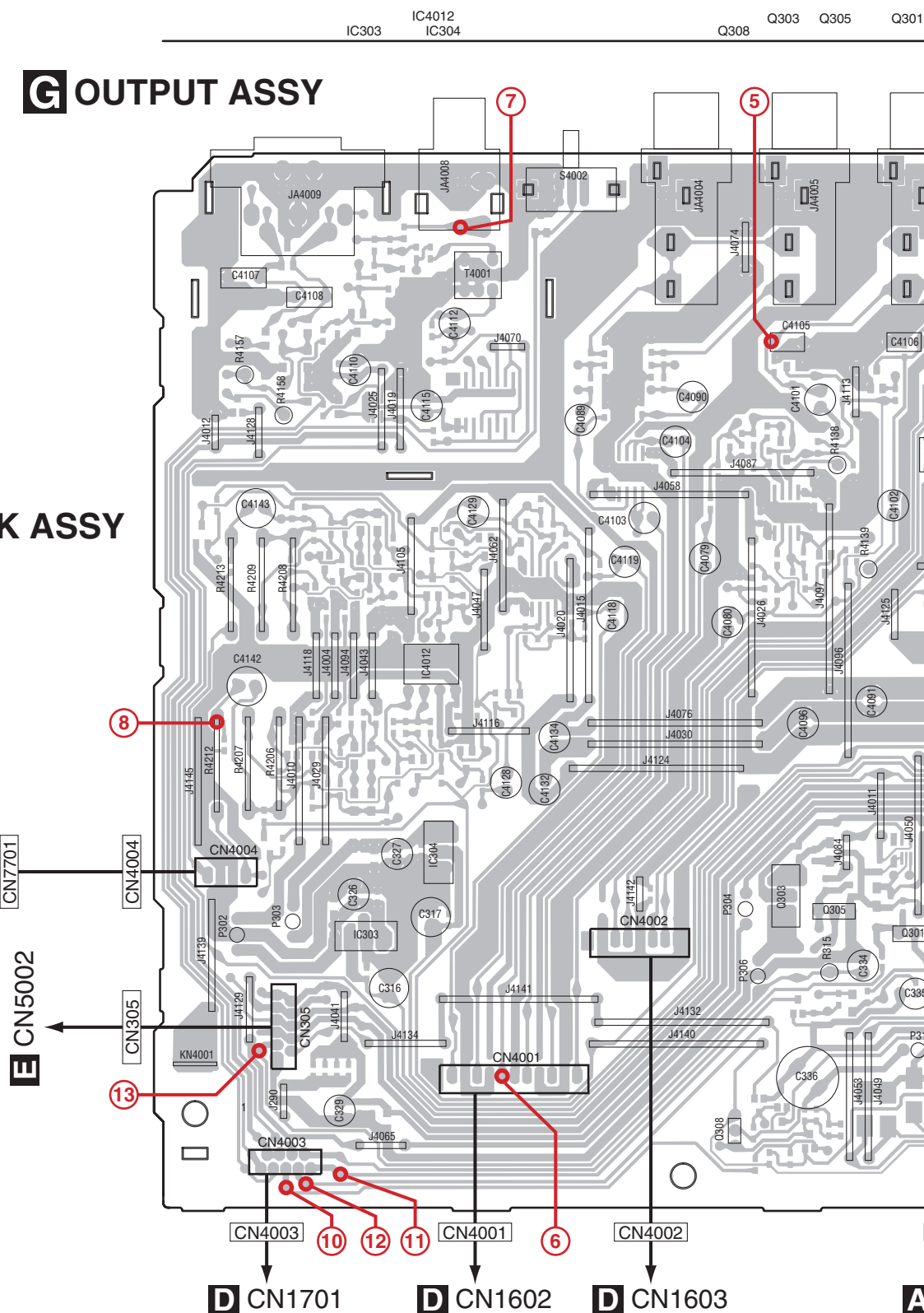
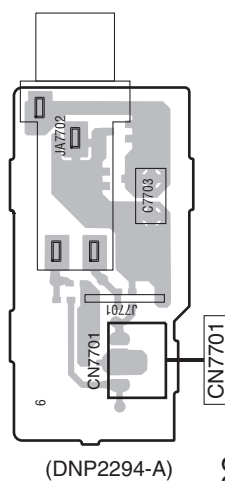


A

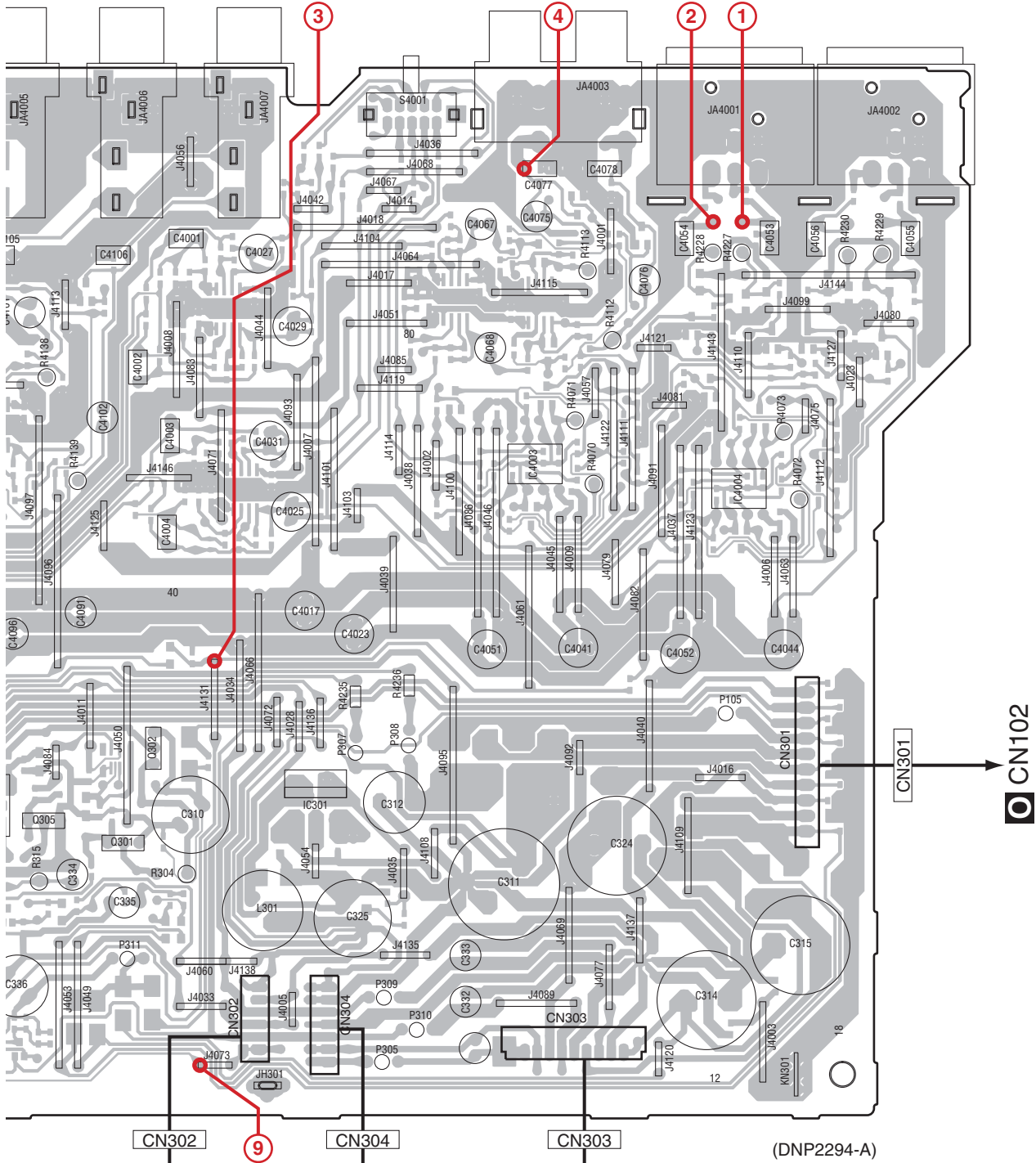
125

## SIDE A

## M HP JACK ASSY



3 Q305 Q301 Q302 IC301 IC4003 IC4004



**A** CN3003

**D** CN1001

**N** JH201

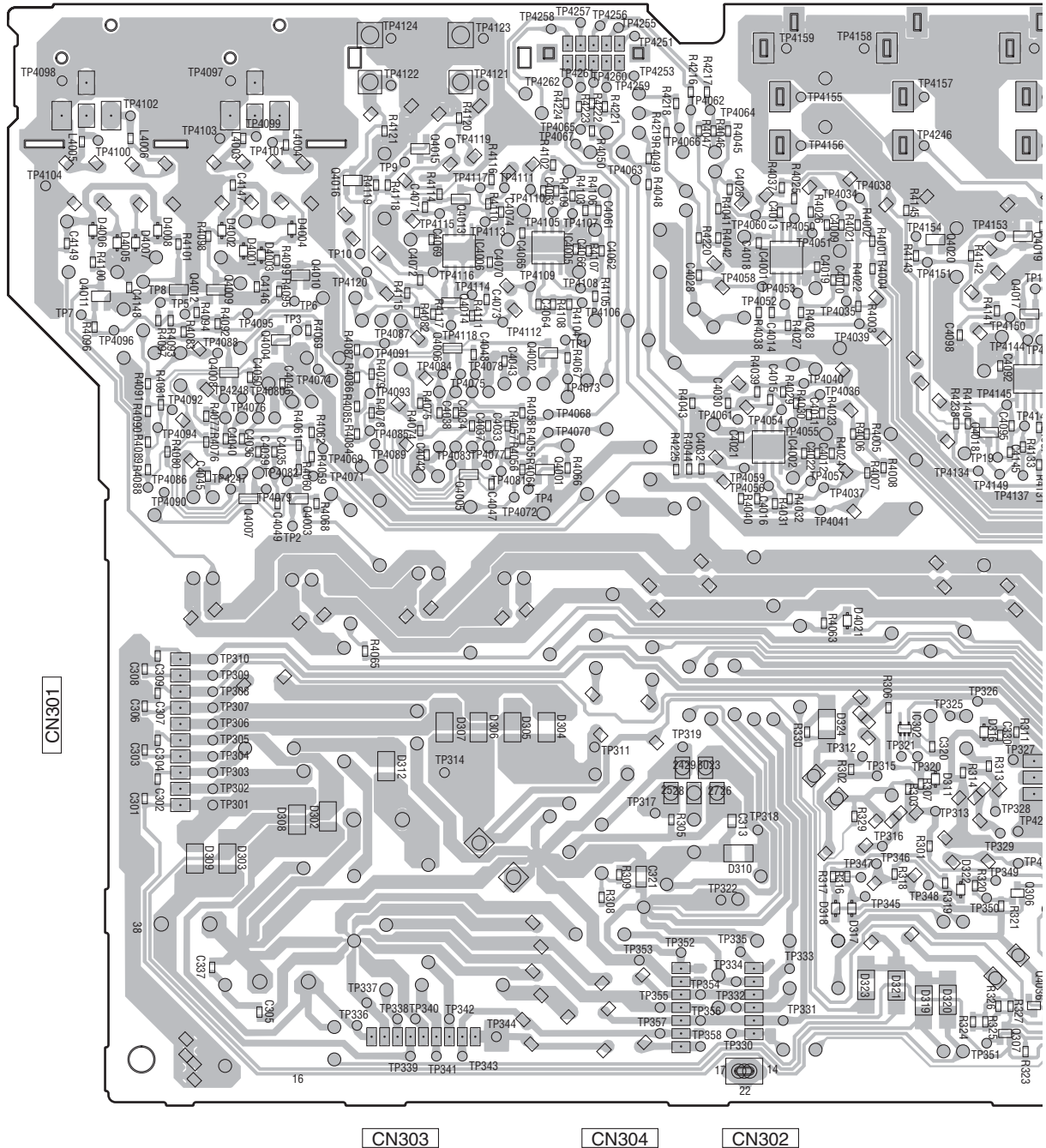
**NOTE:** The encircled numbers denote measuring point.

DJM-700-S

SIDE B

Q4011 Q4012 Q4009 Q4016 Q4016 Q4015 IC4006 IC4001 Q4020 Q4019  
 Q4014 Q4017  
 Q4018 IC4007  
 Q4008 Q4004 Q4002 IC4002 Q4018 IC4007  
 Q4007 Q4003 Q4001 Q4001 IC302 Q307 Q403

# OUTPUT ASSY



CN303

CN304

CN302

DJM-700-S

*A*

1

C

□



1



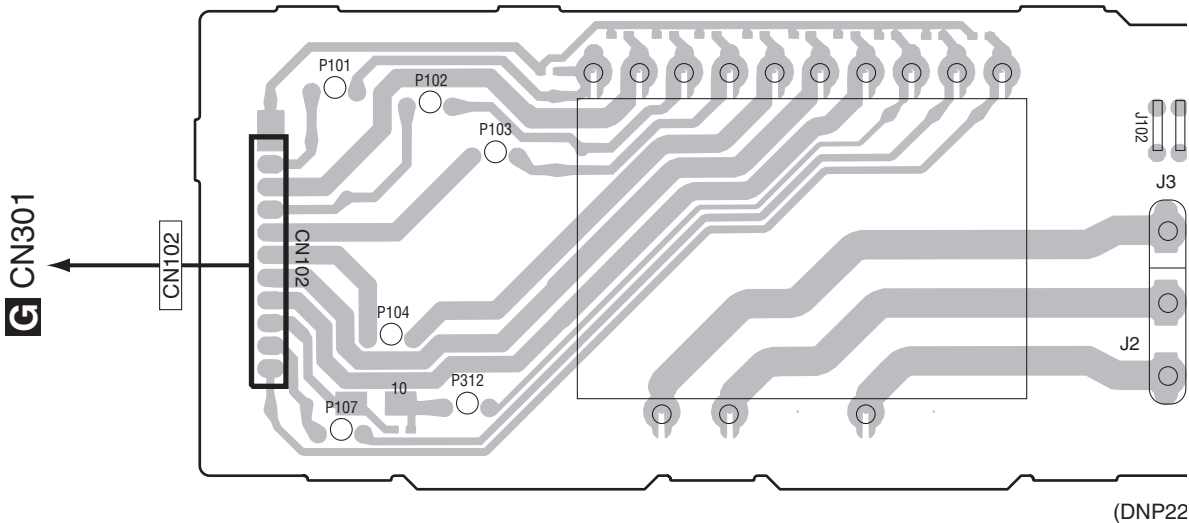
:

11.6 REG, TRANS and PRIMARY ASSYS

SIDE A

A

TRANS ASSY



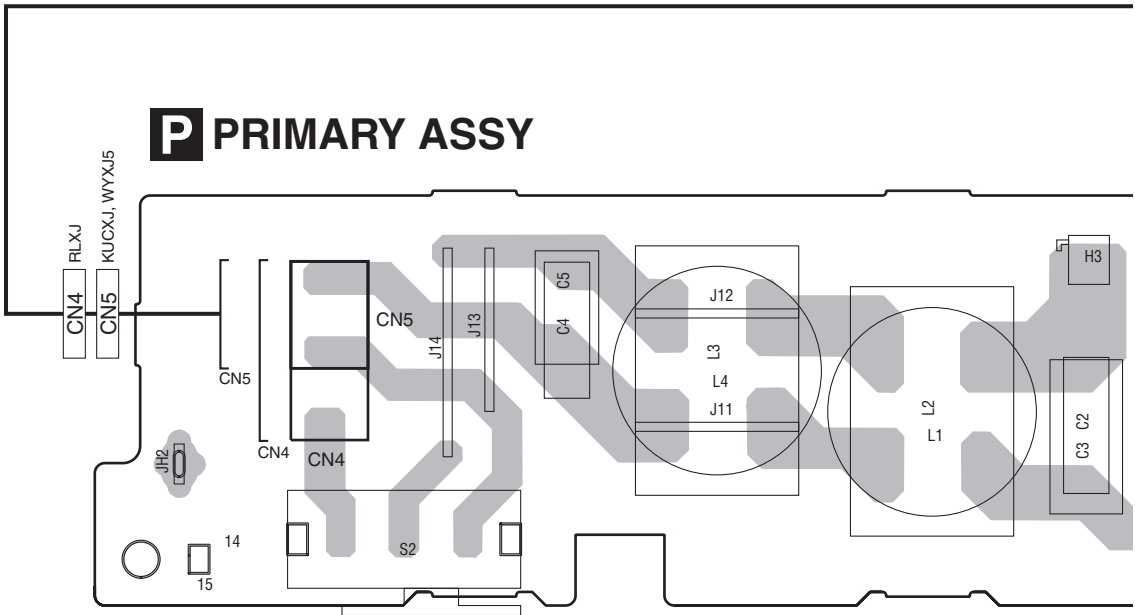
B

C

C

D

PRIMARY ASSY



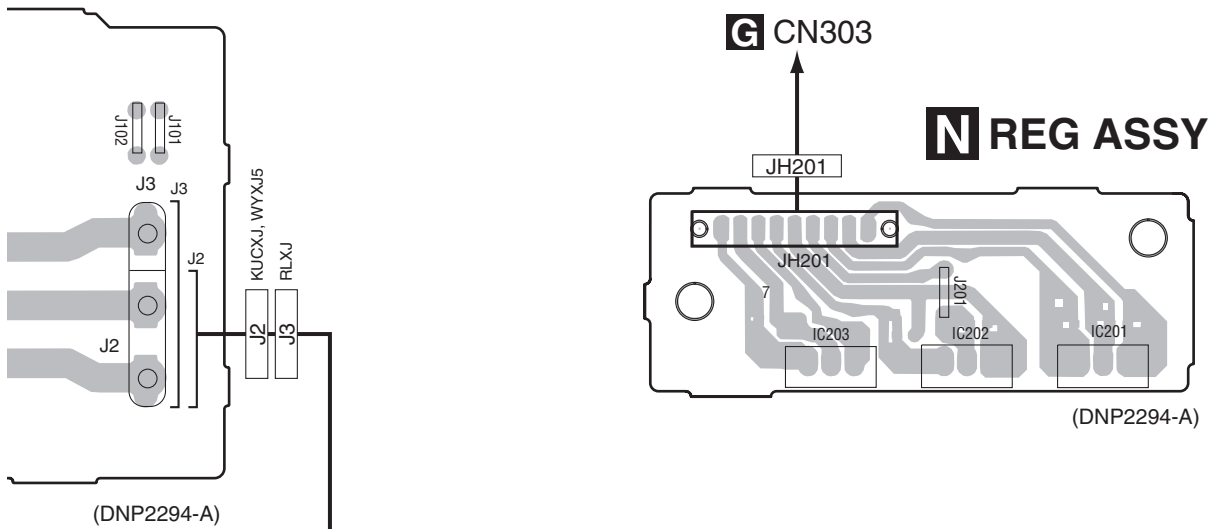
E

F

OP

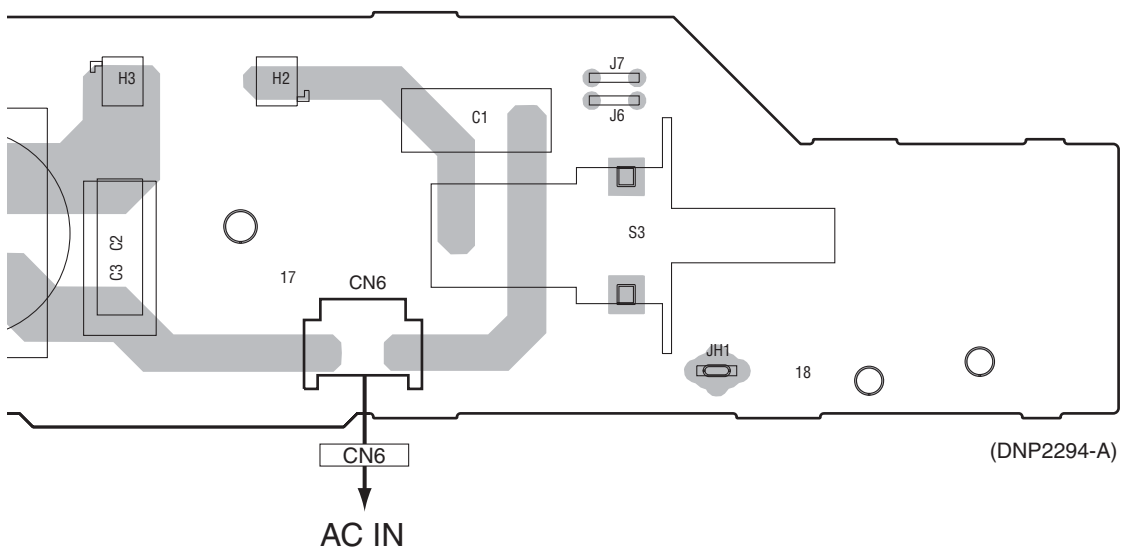
**SIDE A**

A



B

C



D

E

F

**N O P**



SIDE B

A

B

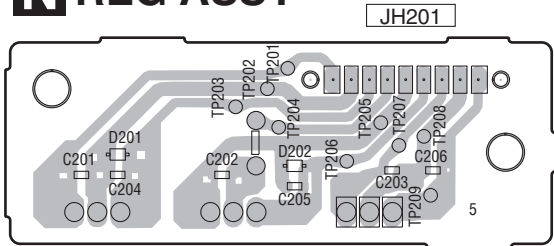
C

D

E

F

N REG ASSY



(DNP2294-A)

O

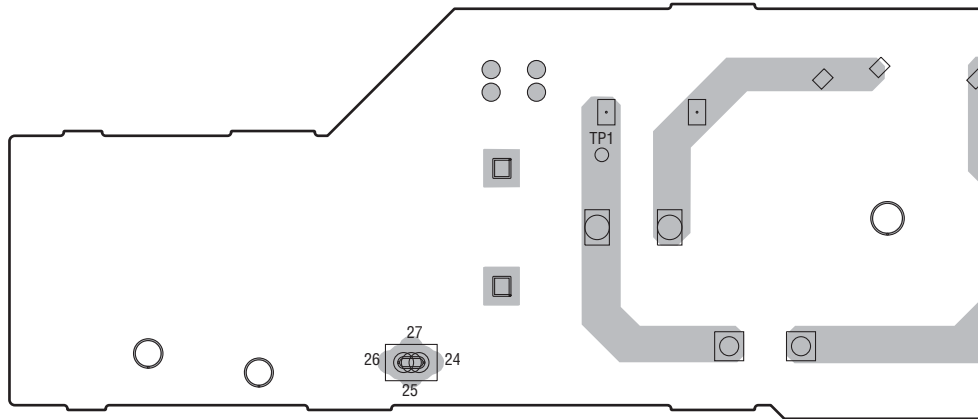
KUCXJ, WYXJ5

RLXJ

J2

J3

P PRIMARY ASSY



CN6

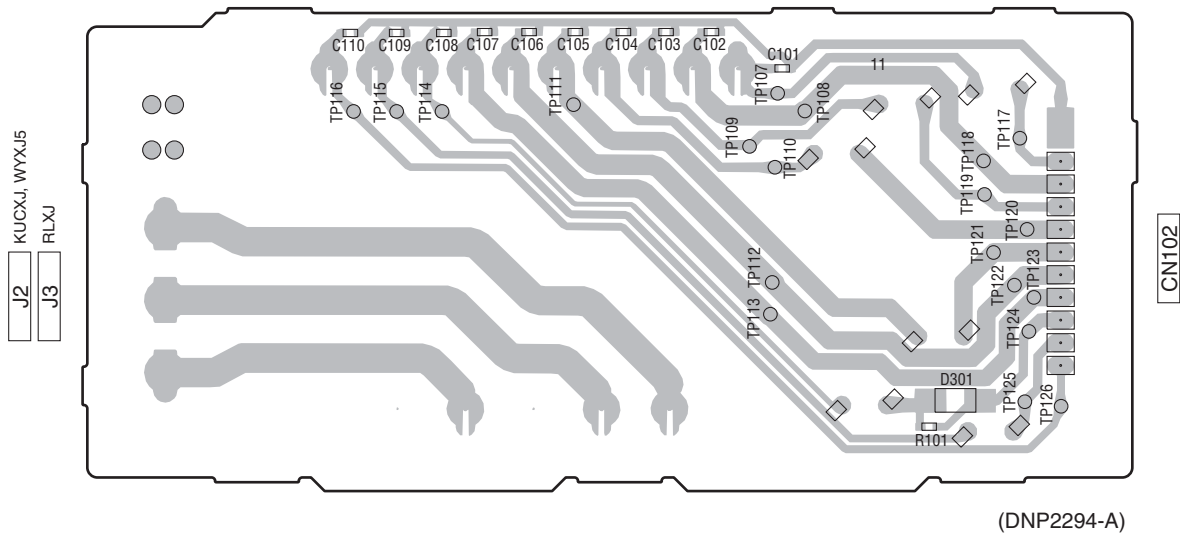
N O P



SIDE B

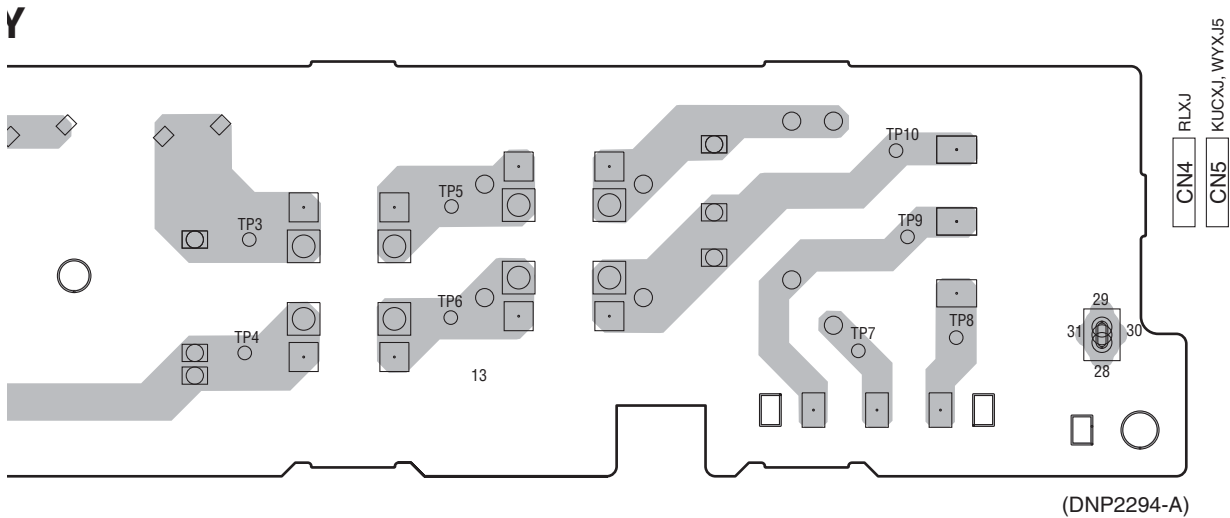
A

TRANS ASSY



B

C




D

















E

F


OP

# 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 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω → 56 x 10<sup>1</sup> → 561 ..... RD1/4PU  J  
 47k Ω → 47 x 10<sup>3</sup> → 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).  
 5.62k Ω → 562 x 10<sup>1</sup> → 5621 ..... RN1/4PC  F



## LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	DJM-700-S /KUCXJ	DJM-700-S /WYXJ5	DJM-700-S /RLXJ	DJM-700-K /KUCXJ	DJM-700-K /WYXJ5	DJM-700-K /RLXJ
	1..MAIN ASSY	DWX2674	DWX2674	DWX2674	DWX2674	DWX2674	DWX2674
NSP	1..INPL ASSY	DWM2309	DWM2309	DWM2309	DWM2309	DWM2309	DWM2309
	2..INPUT ASSY	DWX2675	DWX2675	DWX2675	DWX2675	DWX2675	DWX2675
	2..PANEL 2 ASSY	DWX2678	DWX2678	DWX2678	DWX2678	DWX2678	DWX2678
	2..MIC1 JACK ASSY	DWX2685	DWX2685	DWX2685	DWX2685	DWX2685	DWX2685
	2..MIC VR ASSY	DWX2686	DWX2686	DWX2686	DWX2686	DWX2686	DWX2686
NSP	1..OUPW ASSY	DWM2310	DWM2310	DWM2315	DWM2310	DWM2310	DWM2315
	2..OUTPUT ASSY	DWX2676	DWX2676	DWX2676	DWX2676	DWX2676	DWX2676
	2..PRIMARY ASSY	DWX2687	DWX2687	DWX2692	DWX2687	DWX2687	DWX2692
	2..TRANS ASSY	DWX2688	DWX2688	DWX2757	DWX2688	DWX2688	DWX2757
	2..REG ASSY	DWX2689	DWX2689	DWX2689	DWX2689	DWX2689	DWX2689
	2..HP JACK ASSY	DWX2690	DWX2690	DWX2690	DWX2690	DWX2690	DWX2690
NSP	1..PANL ASSY	DWM2311	DWM2311	DWM2311	DWM2311	DWM2311	DWM2311
	2..PANEL 1 ASSY	DWX2677	DWX2677	DWX2677	DWX2677	DWX2677	DWX2677
	2..FADER (CROSS) ASSY	DWX2680	DWX2680	DWX2680	DWX2680	DWX2680	DWX2680
	2..FADER (CH1) ASSY	DWX2681	DWX2681	DWX2681	DWX2681	DWX2681	DWX2681
	2..FADER (CH2) ASSY	DWX2682	DWX2682	DWX2682	DWX2682	DWX2682	DWX2682
	2..FADER (CH3) ASSY	DWX2683	DWX2683	DWX2683	DWX2683	DWX2683	DWX2683
	2..FADER (CH4) ASSY	DWX2684	DWX2684	DWX2684	DWX2684	DWX2684	DWX2684

## CONTRAST OF PCB ASSEMBLIES


### TRANS ASSY

DWX2688 and DWX2757 are constructed the same except for the following :

Mark	Symbol and Description	DWX2688	DWX2757
	J2 Connector Assy	DKP3785	Not used
	J3 Connector Assy	Not used	DKP3786

### PRIMARY ASSY

DWX2687 and DWX2692 are constructed the same except for the following :

Mark	Symbol and Description	DWX2687	DWX2692
	S2 Voltage Selector	Not used	XKX3005
	CN4 3P VH Connector	Not used	B3P5-VH
	CN5 2P VH Connector	B2P3-VH	Not used

# PCB PARTS LIST FOR DJM-700-S/KUCXJ UNLESS OTHER WISE NOTED

Mark No.	Description	Part No.	Mark No.	Description	Part No.
<b>A</b>	<b>INPUT ASSY</b>				
	<b>SEMICONDUCTORS</b>				
	IC3001,3002,3007,3008	NJM2121MD	R3298,3299,3303	RS1/16S3302D	
	IC3003,3006,3009,3012	NJM4580MD	R3301,3302,3304	RN1/16SE2000D	A
	IC3013,3014,3019,3020	NJM2121MD	R3305,3306,3309	RS1/16S1002D	
	IC3015,3018,3021	NJM4580MD	R3307,3308,3310,3311	RS1/16S3301D	
	IC3024-3028	RNB4580F	R3317,3319	RN1/16SE2200D	
	Q3001-3003,3008-3010	RT1N241M	R3375-3380	RS1/10S0R0J	
	Q3004-3007,3011-3014	2SK209	Other Resistors	RS1/16S###J	
	Q3015,3020	RT1N241M	<b>CAPACITORS</b>		
	Q3016-3019,3021,3022	2SK209	C3001,3006,3051,3054	CFTLA103J50	
	Q3023,3024,3027,3028	2SC5938A	C3002-3005,3007-3010	CCSRCH101J50	
			C3015,3016,3018,3020	CKSRYB104K25	
			C3023-3028,3085-3090	CFTNA334J50	B
			C3032,3033,3068,3069	CKSRYB104K25	
	Q3025,3026	2SK209			
	D3001,3002	UDZS5R6(B)	C3047,3048,3055,3056	CCSRCH101J50	
	D3003-3008	1SS355	C3049,3050,3111,3112	CCSRCH221J50	
			C3059,3060,3117,3118	CCSRCH471J50	
			C3061,3062,3119,3120	CKSRYB223K25	
			C3063,3064,3121,3122	CCSRCH331J50	
<b>MISCELLANEOUS</b>					
	L3001-3004 FERRITE CORE	VTF1093			
	JA3001,3005,3007,3008 JACK	DKB1083	C3065,3066,3123,3124	CEHAT221M10	
	JA3002,3006 JACK	RKN1004	C3070,3071,3129,3130	CQMA752J50	
	JA3010 JACK	DKB1083	C3073,3074,3131,3132	CEAL100M50	
	JA3012 HP JACK	DKN1452	C3077,3078,3080,3082	CKSRYB104K25	
			C3094,3095,3126,3127	CKSRYB104K25	C
	VR3001-3004 POTENTIOMETER	DCS1098			
	CN3003 CONNECTOR	S6B-PH			
	CN3004 30P CONNECTOR	VKN1290	C3109,3110,3115,3116	CCSRCH101J50	
	CN3011,3013 CONNECTOR	CKS2643	C3135,3136,3138,3140	CKSRYB104K25	
	CN3014 16P CONNECTOR	VKN1276	C3143-3148,3201-3206	CFTNA334J50	
			C3152,3153,3184,3185	CKSRYB104K25	
			C3167,3168,3173,3174	CCSRCH101J50	
<b>RESISTORS</b>					
	R3005-3008,3063,3064	RN1/16SE1001D	C3169,3170	CCSRCH221J50	
	R3011-3014,3077,3078	RN1/16SE1102D	C3175,3176	CCSRCH471J50	
	R3015-3018,3083,3084	RN1/16SE1502D	C3177,3178	CKSRYB223K25	
	R3027,3028,3095,3096	RN1/16SE3002D	C3179,3180,3272,3273	CCSRCH331J50	
	R3029,3030,3097,3098	RN1/16SE2002D	C3181,3182	CEHAT221M10	
	R3031,3032,3099,3100	RN1/16SE1303D	C3186,3187	CQMA752J50	D
	R3067,3068,3073,3074	RN1/16SE1501D	C3189,3190,3269-3271	CEAL100M50	
	R3071,3072,3137,3138	RN1/16SE2401D	C3193,3194,3196,3198	CKSRYB104K25	
	R3081,3082,3145,3146	RN1/16SE1800D	C3210,3211,3232,3233	CKSRYB104K25	
	R3085,3086,3149,3150	RN1/16SE1002D	C3227,3249	CKSRYB472K50	
	R3131,3132,3195	RN1/16SE1001D	C3228,3250	CKSRYB562K50	
	R3135,3136,3139,3140	RN1/16SE1501D	C3235,3236,3274,3278	CKSRYB104K25	
	R3143,3144,3207,3208	RN1/16SE1102D	C3239,3253	CCSRCH560J50	
	R3147,3148,3211,3212	RN1/16SE1502D	C3240,3254	CCSRCH270J50	
	R3159,3160,3223,3224	RN1/16SE3002D	C3241,3242,3255,3256	CKSRYB473K25	
	R3161,3162,3225,3226	RN1/16SE2002D	C3245,3246,3257,3258	CQMA472J50	
	R3163,3164,3227,3228	RN1/16SE1303D	C3247,3248,3259,3260	CEANP100M35	E
	R3199,3200,3203,3204	RN1/16SE1501D	C3251,3291	CKSRYB152K50	
	R3201,3202	RN1/16SE2401D	C3252,3290	CKSRYB182K50	
	R3209,3210	RN1/16SE1800D	C3261,3262	CQMA103J50	
	R3213,3214	RN1/16SE1002D	C3263,3264,3267,3276	CCSRCH102J50	
	R3257,3258,3262,3273	RS1/16S5101D	C3265,3266,3268	CCSRCH4R0C50	
	R3259,3263,3276,3281	RS1/16S4702D	C3275	CCSRCH331J50	
	R3260,3264,3278,3282	RS1/16S1303D	C3277,3279	CCSRCH102J50	
	R3261,3266,3279,3283	RS1/16S4701D	C3280,3281,3285,3286	CKSRYB104K25	
	R3265,3284	RS1/16S4301D	C3282,3283	CEALNP220M16	
	R3271,3272,3289,3290	RD1/2VM331J	C3288,3289	CEAL100M50	F
	R3274,3280	RS1/16S5101D	C3298,3299	CEHAT101M25	
	R3293,3295	RS1/16S2201D	C3300-3305	CCSRCH181J50	
	R3294	RN1/16SE2201D	C3306-3309	CKSRYB334K10	

**Mark No. Description****Part No.****Mark No. Description****Part No.****B MIC1 JACK ASSY  
MISCELLANEOUS**

A JA7501 CONNECTOR DKN1136  
CN7502 PLUG CKS3153

CN1201 31P CONNECTOR VKN1435  
CN1501 30P CONNECTOR VKN1434  
CN1502 16P CONNECTOR VKN1420  
CN1503 CONNECTOR AKM1279  
CN1602 CONNECTOR AKM1282  
  
CN1701 9P CONNECTOR VKN1413

**C MIC VR ASSY  
MISCELLANEOUS**

VR7601,7602 POTENTIOMETER DCS1099  
CN7601 PLUG CKS3153

**RESISTORS**

R1003,1011,1018,1129 RS1/10S0R0J  
R1014 RS1/16S1002D  
R1015 RS1/16S2002D  
R1019,1020 RS1/8S0R0J  
R1172,1181,1238,1260 RS1/10S0R0J  
  
R1267,1301,1304,1341 RS1/10S0R0J  
R1325,1328-1331 RAB4C220J  
R1333-1335,1427-1433 RAB4C220J  
R1407,1749,1763 RS1/10S0R0J  
R1509-1524,1541-1548 RN1/16SE3301D  
  
R1525-1532,1581-1588 RN1/16SE2401D  
R1549,1552,1553,1556 RN1/16SE1201D  
R1550,1551,1554,1555 RN1/16SE3601D  
R1557,1560,1561,1564 RN1/16SE1201D  
R1558,1559,1562,1563 RN1/16SE3601D  
  
R1565-1580,1597-1604 RN1/16SE3301D  
R1605,1608,1609,1612 RN1/16SE1201D  
R1606,1607,1610,1611 RN1/16SE3601D  
R1613,1616,1617,1620 RN1/16SE1201D  
R1614,1615,1618,1619 RN1/16SE3601D  
  
R1683 RN1/16SE1602D  
R1695-1698 RN1/16SE1201D  
R1755 RN1/16SE1802D  
Other Resistors RS1/16S###J

**D MAIN ASSY  
SEMICONDUCTORS**

IC1001 S-1200B33-M5  
IC1002 BD9109FVM  
IC1003 BD9106FVM  
IC1004 S-1200B25-M5  
IC1101 DYW1761  
  
IC1204,1301,1303,1306 TC7SH08FUS1  
IC1205 DYW1760  
IC1302,1307 TC7SHU04FUS1  
IC1304 XC3S50-4TQG144C  
IC1305 BU4230G  
  
IC1308,1309 TC7SH08FUS1  
IC1401 D610A003BPYP225  
IC1402 K4S641632K-UC75  
IC1501-1508 NJM4580MD  
IC1509,1510 RNB4580F  
  
IC1511-1514 WM8786GEDS/V  
IC1601,1602,1605,1611 AK4387ET  
IC1603 PCM1738EG-3  
IC1604,1610 AK5358AET  
IC1606,1607 NJM5532MD  
  
IC1701 TC7S04FU  
IC1702 AD1895AYRS  
IC1703 AK4114VQ  
Q1101 2SC4154  
Q1202 RT1P241M  
  
Q1301 2SC3052  
Q1401 RT1N241M  
D1101-1106,1201-1206 1SS355  
D1401 SML-310DT  
D1501-1516,1601-1604 RB706D-40  
  
D1605,1606 UDZS3R3(B)

**CAPACITORS**

C1001,1003,1005,1008 CEVW101M10  
C1002,1004,1006,1007 CKSRYB104K25  
C1009-1013,1017,1020 CKSRYB104K25  
C1014,1015,1022,1023 CKSYB106K10  
C1016,1021,1104,1111 CEVW101M10  
  
C1018 CKSRYB331K50  
C1019 CCSRCH751J25  
C1024-1036,1103,1105 CKSRYB104K25  
C1037 CEVW331M6R3  
C1101,1107-1110,1205 CKSRYB103K50  
  
C1102,1206,1316 CKSRYF105Z10  
C1106,1112,1113 CKSRYB104K25  
C1114,1208,1218,1221 CEVW101M10  
C1201-1204,1207,1209 CKSRYB104K25  
C1210,1219,1220 CKSRYB104K25  
  
C1211-1215 CKSRYB471K50  
C1216,1217,1317,1319 CKSRYB103K50  
C1301,1305,1331,1405 CEVW101M10  
C1302-1304,1306-1315 CKSRYB104K25  
C1318,1320-1330,1332 CKSRYB104K25  
  
C1333,1337 CCSRCH180J50  
C1334,1338 CCSRCH150J50  
C1335,1336,1339,1401 CKSRYB104K25  
C1402,1455,1464 CEVW100M16  
C1403,1404,1406-1408 CKSRYB104K25

**MISCELLANEOUS**

L1001,1002 INDUCTOR BTH1112  
L1004 INDUCTOR (470 uH) DTL1123  
L1180,1266 CHIP COIL LCTAW330J2520  
F1401 COIL RTF1189  
KN1002-1005 EARTH METAL FITTING VNF1109  
  
X1302 CRYSTAL RESONATOR (24 MHz) ASS7025  
X1303 CRYSTAL RESONATOR (20 MHz) ASS7023  
CN1001,1603 CONNECTOR AKM1278  
CN1101 27P CONNECTOR VKN1431  
CN1102,1202 CONNECTOR VKN1945

5	
Mark No.	Description
C1409,1454,1601,1602	
C1410-1453,1456	
C1458-1463,1502,1503	
C1501,1504,1507,1510	
C1505,1506,1508,1509	

C1511,1514,1633,1635	
C1512,1513,1523-1530	
C1515-1522,1531-1538	
C1539,1540,1543-1546	
C1541,1542,1701,1709	

C1547-1550	
C1551-1554,1579-1582	
C1555-1558,1567-1570	
C1559-1566	
C1571-1574	

C1575-1578,1605	
C1604,1606-1609	
C1610-1612,1616-1619	
C1613-1615,1621,1623	
C1620,1622,1649,1651	

C1624,1640,1643,1645	
C1625,1632,1634,1636	
C1628-1631	
C1637,1639	
C1638,1641,1642,1647	

C1646,1650,1657,1660	
C1648,1653,1658,1659	
C1662-1665	
C1702,1705,1707	
C1703,1704,1706,1708	

C1714-1717	
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## SEMICONDUCTORS

IC1403



## PANEL 1 ASSY SEMICONDUCTORS

IC5000,5001  
IC5002  
Q5000,5008-5010  
Q5001-5005,5011  
Q5006,5023,5027,5029

Q5007,5024,5026,5028  
Q5012-5015,5020,5022  
Q5016-5019,5021  
Q5025  
Q5030,5032,5034

Q5031,5033  
Q5035  
D5000,5001,5019-5026  
D5004,5006,5008,5010  
D5012,5014,5017,5018

D5015  
D5016,5027,5028,5043  
D5029-5032,5045-5048  
D5033-5041,5049-5057  
D5042,5058,5059,5075

6	
Part No.	
CKSRYB103K50	
CKSRYB104K25	
CKSRYB104K25	
CEVW100M25	
CKSRYB104K25	

CEVW100M25	
CKSRYB104K25	
CCSRCH101J50	
CKSRYB104K25	
CEVW101M10	

CCH1585	
CEVW100M16	
CKSRYB104K25	
CKSRYB272K50	
CKSYB106K10	

CKSRYB104K25	
CEVW100M16	
CKSRYB104K25	
CEVW100M16	
CKSRYB103K50	

CEVW100M16	
CKSRYB104K25	
CCSRCH222J50	
CEVW100M25	
CKSRYB104K25	

CEVW100M16	
CKSRYB104K25	
CEVW100M16	
CKSRYB103K50	
CKSRYB104K25	

CKSRYB104K25	
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DYW1762

TC74HC4052AF  
NJM2903M  
2SC3052  
2SC4154  
DTC143EK

2SB1188  
2SC3052  
2SC4154  
RT1N431M  
2SB1188

DTC143EK  
RT1P431M  
1SS355  
SLI-343YYW(RST)  
SLI-343YYW(RST)

SLR343BC4T(JKLM)  
SLR-343VC(NPQ)  
SLI-343YYW(RST)  
SLR-343MC(NPQ)  
1SS355

7	
Mark No.	Description
D5044,5060,5061,5076	
D5062-5065,5078-5081	
D5066-5074,5082-5090	
D5077,5094,5095,5109	
D5091-5093,5124-5126	

D5096-5099,5111-5114	
D5100-5108,5115-5123	
D5110	
D5134	

## MISCELLANEOUS

V5000 FL INDICATOR TUBE  
VR5000-5009,5013 POTENTIOMETER  
VR5010 POTENTIOMETER  
VR5011 POTENTIOMETER  
VR5012,5014 POTENTIOMETER

VR5015 POTENTIOMETER  
S5000,5003,5004,5006 TACT SWITCH  
S5001 SLIDE SWITCH  
S5002,5005,5008 LEVER SWITCH  
S5007,5009,5010 TACT SWITCH

S5011 LEVER SWITCH  
S5012-5019 TACT SWITCH  
S5020 SLIDE SWITCH  
CN5000 27P CONNECTOR  
CN5001 CONNECTOR 13P

CN5002 11P CONNECTOR  
0 FL HOLDER

## RESISTORS

R5019,5037,5039,5041  
R5043,5045,5047  
R5056,5057  
R5186  
Other Resistors

## CAPACITORS

C5000  
C5001-5010,5012  
C5011  
C5017-5019,5021-5054  
C5020



## PANEL 2 ASSY SEMICONDUCTORS

IC6001  
IC6002  
Q6001  
D6001,6002,6005-6028  
D6003,6004

## MISCELLANEOUS

VR6001,6005 POTENTIOMETER  
VR6002 POTENTIOMETER  
VR6003,6004 POTENTIOMETER  
S6001 12MM GS ENCODER  
S6002 TACT SWITCH

S6003 ROTARY SWITCH  
S6004,6006 SLIDE SWITCH  
S6005,6007 SLIDE SWITCH  
S6008-6010 SLIDE SWITCH  
S6011 ROTARY ENCODER

8	
Part No.	
SLR-343VC(NPQ)	
SLI-343YYW(RST)	
SLR-343MC(NPQ)	
SLR-343VC(NPQ)	
1SS355	

SLI-343YYW(RST)	
SLR-343MC(NPQ)	
SLR-343VC(NPQ)	
1SS355	

DEL1063  
DCS1065  
DCS1095  
DCS1096  
DCS1097

DCS1065  
DSG1079  
DSH1058  
DSK1033  
DSG1079

DSK1033  
DSG1079  
DSH1066  
VKN1258  
52492-1320

VKN1242  
DNF1772

RS1/10S391J  
RS1/10S391J  
RS1/8S100J  
RS1/10S0R0J  
RS1/16S###J

CEJQ101M10  
CKSRYB104K25  
CEAT471M6R3  
CKSRYB104K25  
CEAT470M35

TC74HC4052AF  
TC74HCT08AF  
2SC4154  
1SS355  
SLI-343YYW(RST)

DCS1096  
DCS1065  
DCS1097  
DSX1064  
DSG1079

DSG1098  
DSH1058  
DSH1066  
DSH1058  
DSX1068

**Mark No. Description**

CN6001 31P CONNECTOR  
CN6002,6004 CONNECTOR  
CN6003,6006 CONNECTOR  
CN6005 WIRE ASSEMBLY  
CN6007 CONNECTOR 13P

**Part No.**

VKN1262  
B4B-PH-K-Y  
B4B-PH  
PG06MR-E07  
52492-1320

**Mark No. Description**

JA4004-4007 HP JACK  
JA4008 JACK BOARD  
JA4009 CONNECTOR  
KN301,4001 WRAPPING TERMINAL  
S4001 SLIDE SWITCH

**Part No.**

DKN1452  
PKB1033  
DKN1188  
VNF1084  
DSH1063

**RESISTORS**

All Resistors

RS1/16S###J

**CAPACITORS**

C6001,6004,6006-6015  
C6002,6003  
C6016  
C6017-6025

CKSRYB104K25  
CKSRYB103K50  
CEAT101M10  
CKSRYB104K25

S4002 SLIDE SWITCH  
CN301 10P TOP POST  
CN302 CONNECTOR  
CN303 9P JUMPER CONNECTOR  
CN304,4002 CONNECTOR POST

DSH1025  
B10B-EH  
B6B-PH  
52147-0910  
B7B-PH

**OUTPUT ASSY  
SEMICONDUCTORS**

⚠ IC301  
IC302  
⚠ IC303  
⚠ IC304  
IC4001,4002,4005,4006

BD9703T-V5  
TC7S04FU  
NJM78M05FA  
NJM79M05FA  
NJM4580MD

IC4003,4004,4012  
IC4007,4008,4011  
Q301,305  
Q302  
⚠ Q303

NJM5532DD  
RNB4580F  
2SD1859X  
2SB1238X  
2SD2012

Q306,307  
Q308  
Q4001-4004,4019,4020  
Q4005-4008,4013,4014  
Q4009-4012,4015,4016

2SC4154  
2SC1740S  
2SC5938A  
2SK209  
INC2001AC1

Q4017,4018,4025,4026  
Q4021  
Q4022,4035  
Q4027,4028  
Q4029,4031

2SK209  
2SC2412K  
RT1N241M  
2SC5938A  
2SC4081

Q4030,4032  
Q4033,4034  
Q4036  
⚠ D302-305,308,309  
⚠ D306,307

2SA1576A  
2SK209  
RT1P241M  
1SR154-400  
RB060L-40

⚠ D310  
D311  
⚠ D312,321,323,324  
D313  
D314,315

RB160L-40  
UDZS5R1(B)  
1SR154-400  
UDZS5R6(B)  
RB501V-40

D316  
D317,318,322  
D4001-4008,4010,4011  
D4021

UDZS30(B)  
1SS355  
1SS355  
1SS355

**MISCELLANEOUS**

L301 RADIAL LEAD INDUCTOR  
L4001 FERRITE CORE  
L4003-4006 FERRITE CORE  
JA4001,4002 CANON CONNECTOR  
JA4003 JACK

DTL1168  
VTF1091  
VTF1093  
DKB1077  
PKB1034

CN305 11P CONNECTOR  
CN4001 CONNECTOR  
CN4003 9P CONNECTOR  
CN4004 CONNECTOR  
0 SHIELD CASE (MIDI)

VKN1242  
B11B-PH  
VKN1240  
B4B-PH  
DNH2736

0 CANON SHIELD  
JH301 PCB BINDER  
⚠ P105 PROTECTOR (3.5 A)  
⚠ P306 PROTECTOR (250 mA)  
⚠ P311 PROTECTOR (315 mA)

DNF1789  
VEF1040  
AEK7017  
AEK7002  
AEK7003

**RESISTORS**

R304  
R308  
R309  
⚠ R315  
R4001-4008

RD1/2VM562J  
RS1/16S3301F  
RS1/16S8200F  
RD1/2VM102J  
RN1/16SE4301D

R4021-4024,4037-4040  
R4025-4032  
R4055-4062  
R4070-4073  
R4074-4077,4110,4111

RN1/16SE3901D  
RN1/16SE2001D  
RN1/16SE4701D  
RD1/2VM391J  
RN1/16SE1002D

R4078-4081  
R4084,4087,4088,4091  
R4085,4086,4089,4090  
R4102-4105  
R4106-4109

RN1/16SE9101D  
RN1/16SE1201D  
RN1/16SE3601D  
RN1/16SE1202D  
RN1/16SE1502D

R4112,4113  
R4114,4115  
R4122,4123,4126,4127  
R4124,4125,4130,4131  
R4132,4133

RD1/2VM331J  
RN1/16SE1002D  
RS1/16S4701D  
RS1/16S4702D  
RS1/16S4301D

R4134,4135  
R4138,4139  
R4151,4152,4159  
R4155  
R4156

RN1/16SE3602D  
RD1/2VM821J  
RS1/10S0R0J  
RS1/16S1801F  
RS1/16S3901F

R4157,4158  
R4164,4165  
R4166,4167,4172,4173  
R4176,4177  
R4212,4213

RD1/2VM221J  
RS1/16S5601D  
RS1/16S1102D  
RS1/16S3302D  
RS2LMF150J

R4227-4230  
⚠ R4235,4236  
Other Resistors

RD1/2VM100J  
RD1/4MUF100J  
RS1/16S###J



5  
**Mark No. Description**

**CAPACITORS**

C301,303,307  
C302,304,306,308  
C305,318-320,322  
C309,4026,4028,4030  
C310

C311  
C312  
C313  
C314,315  
C316,317,4017,4023

C321  
C323,328,4018,4019  
C324  
C325  
C326,327,331-334

C329,4110  
C330  
C335  
C336  
C4001-4004

C4009-4016  
C4021,4022,4042,4043  
C4025,4027,4029,4031  
C4032,4073,4074,4097  
C4037-4040,4047-4050

C4041,4044,4051,4052  
C4045,4046,4065,4066  
C4053-4056  
C4061-4064,4083,4084  
C4067,4068,4075,4076

C4069,4070,4092,4094  
C4071,4072  
C4077,4078  
C4079,4080,4091,4096  
C4081,4082

C4085,4086  
C4087,4088  
C4089,4090,4101,4102  
C4093,4095  
C4098,4136,4137

C4099,4100,4109,4125  
C4103,4104,4118,4119  
C4105,4106  
C4107,4108  
C4111,4114

C4120,4121  
C4122,4123  
C4127,4133,4135  
C4128,4129,4132,4134  
C4130,4131

C4138-4141,4146-4149  
C4142,4143  
C4144,4145

6  
**Part No.**

CKSRYB473K50  
CKSRYB473K25  
CKSRYB104K25  
CKSRYB473K25  
CEHAT471M50

CEAT682M25  
CEAT102M25  
CKSQYB105K16  
CEAT332M35  
CEHAT101M25

CKSYB106K10  
CKSRYB104K25  
CEAT682M16  
CEAT222M16  
CEAT100M50

CEHAT101M10  
CKSRYB104K50  
CEANP2R2M50  
CEAT471M35  
CQMA821J50

CCSRCH471J50  
CKSRYB104K25  
CCH1357  
CKSRYB473K25  
CCSRCH820J50

CEHAT101M25  
CKSRYB104K25  
CQMA222J50  
CCSRCH101J50  
CEANP100M35

CKSRYB104K25  
CCSRCH151J50  
CQMA152J50  
CEAT100M50  
CKSRYB472K50

CKSRYB152K50  
CCSRCH102J50  
CEANP100M35  
CCSRCH560J50  
CKSRYB473K25

CKSRYB104K25  
CEAT100M50  
CQMA472J50  
CFTLA103J50  
CKSRYB103K50

CKSRYB332K50  
CCSRCH271J50  
CKSRYB104K25  
CEAT100M50  
CCSRCH181J50

CKSRYB104K25  
CEAT221M16  
CKSRYB334K10

7  
**Mark No. Description**

**H FADER (CROSS) ASSY**  
**MISCELLANEOUS**

VR7001 VARIABLE RESISTOR  
CN7001 CONNECTOR(MT)

DCV1006  
173979-6

**I FADER (CH1) ASSY**  
**MISCELLANEOUS**

VR7101 VARIABLE RESISTOR

DCV1010

**J FADER (CH2) ASSY**  
**MISCELLANEOUS**

VR7201 VARIABLE RESISTOR  
CN7201 CONNECTOR

DCV1010  
S4B-PH

**K FADER (CH3) ASSY**  
**MISCELLANEOUS**

VR7301 VARIABLE RESISTOR

DCV1010

**L FADER (CH4) ASSY**  
**MISCELLANEOUS**

VR7401 VARIABLE RESISTOR  
CN7401 CONNECTOR

DCV1010  
S4B-PH

**M HP JACK ASSY**  
**MISCELLANEOUS**

L7701-7703 FERRITE CORE  
JA7702 HEADPHONE JACK  
CN7701 CONNECTOR

VTF1093  
DKN1281  
S4B-PH

**CAPACITORS**

C7701,7702

CKSRYB104K25

**N REG ASSY**  
**SEMICONDUCTORS**

⚠ IC201  
⚠ IC202  
⚠ IC203  
D201,202

NJM78M15FA  
NJM79M15FA  
BA05T  
RB501V-40

**MISCELLANEOUS**

J1 JUMPER WIRE  
JH201 9P CABLE HOLDER

D20PDY0910E  
51048-0900

**CAPACITORS**

C201,202  
C203-206

CKSRYB104K50  
CKSRYB104K25

	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
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**O TRANS ASSY**  
**MISCELLANEOUS**

A	⚠ J2	CONNECTOR ASSY	DKP3785
	CN102	10P TOP POST	B10B-EH

**RESISTORS**

All Resistors	RS1/16S###J
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**MISCELLANEOUS**

⚠ P101,103	PROTECTOR (3 A)	AEK7015
⚠ P102,104	PROTECTOR (3.5 A)	AEK7017
⚠ P312	PROTECTOR (750 mA)	AEK7007

**B**  
**P PRIMARY ASSY**  
**MISCELLANEOUS**

⚠ L2	FILTER	DTL1131
H2,3	FUSE CLIP	AKR7001
⚠ S3	SWITCH	DSA1035
⚠ CN5	CONNECTOR	B2P3-VH
⚠ CN6	AC CORD SOCKET	RKP1751
JH1,2	PCB BINDER	VEF1040

**CAPACITORS**

C	⚠ C1	ACG7033
	⚠ C2	ACE7027
	⚠ C5	ACG7030