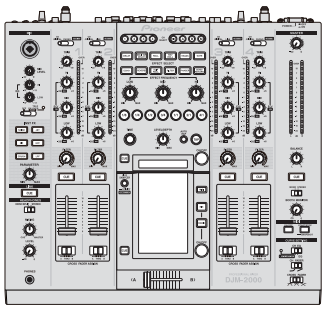
Pioneer

Service Manual



DJM-2000

ORDER NO.
RRV4046

DJ MIXER

DJM-2000

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

Model	Type	Power Requirement	Remarks
DJM-2000	SYXJ8	AC 220 V to 240 V	
DJM-2000	CUXJ	AC 120 V	
DJM-2000	LXJ	AC 110 V to 240 V	
DJM-2000	KXJ5	AC 220 V	
DJM-2000	AXJ5	AC 220 V to 240 V	

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

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ⓒ**PIONEER CORPORATION 2010**

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SAFETY INFORMATION

This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

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

Health & Safety Code Section 25249.6 - Proposition 65

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.

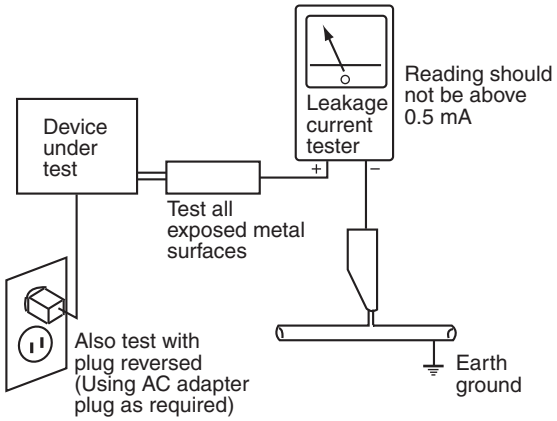
(FOR USA MODEL ONLY)

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 ºC.
  Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 ºC in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

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

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

The following lead-free solders are available as service parts:
- Parts numbers of lead-free solder:
  GYP1006 1.0 in dia.
  GYP1007 0.6 in dia.
  GYP1008 0.3 in dia.

1.2 VOLTAGE MONITORING

This unit always monitors for power failure and will shut itself off immediately after an error is detected.
A power failure is indicated with flashing of the UTILITY LED (Intervals: 250 ms [Lit 125 ms/Unlit 125 ms]).
All the LEDs other than UTILITY will be unlit and all the switches and variable registers will be disabled.
Repair the unit according to the diagnostic procedures described in “5.3 VOLTAGE MONITORING CIRCUIT.”

1.3 CONFIRMATION OF USER-SETTING DATA

This product has user- and club-setting data. Be sure to confirm those data before starting repair, although changing them may not have a large effect. Use the Check Sheet in “8.6,” to which you can transcribe the settings, as required. The settings are stored in Flash ROM (IC1703) on the MAIN Assy.
To display the [USER SETUP] screen, hold [LIVE SAMPLER (UTILITY, WAKE UP)] pressed for at least 1 sec.
To display the [CLUB SETUP] screen, press [POWER] while holding [LIVE SAMPLER (UTILITY, WAKE UP)] pressed.

1.4 ON THE EEPROM ON THE PCIF ASSY

No program has been stored in the EEPROM (IC2003) on the PCIF Assy (empty ROM) when it is supplied as a part for service. After the Assy is replaced, be sure to update the firmware. When updating, note that the procedures are different from those for the usual firmware updating. For details, see “8.2.”
The program to be stored in this IC is that for USB control. However, depending on the versions of the firmware programs, no program for USB control may be included. Therefore, first load the first edition of the firmware program then update it to the latest version.

1.5 NOTES ON REPLACEMENT OF THE TOUCH PANEL

Perform calibration after the touch panel is replaced. The calibration procedures are described in “Touch Panel Test” in “6. Service Mode.”
Be careful not trap dirt inside or put fingerprints on the display while reassembling, and check that there is no trapped dirt or fingerprints after reassembling.

1.6 NOTE FOR THE HANDLING OF THE TOUCH PANEL

(1) Transparency is an important factor for the touch panel. So, please wear clean finger sacks, gloves and mask to protect the touch panel from fingerprint or stain attach, and also hold the portion outside the view area when handling the touch panel.
(2) Do not handle the touch panel by holding the flexible pattern portion in order to assure the reliability.
(3) Do not put one touch panel on the other. Otherwise, it may cause the touch panel to be scratched and/or change on cosmetic occur (e.g. Newton ring).
(4) Do not put a heavy, hard or sharp object on the touch panel.

2. SPECIFICATIONS
2.1 SPECIFICATIONS

General

Power requirements.....AC 220 V to 240 V, 50 Hz/ 60 Hz (SYXJ8)
AC 120 V, 60 Hz (CUXJ)
AC 110 V to 240 V, 50 Hz/ 60 Hz (LXJ)
AC 220 V, 60 Hz (KXJ5)
AC 220 V to 240 V, 50 Hz/ 60 Hz (AXJ5)
Power consumption.....42 W
Power consumption (standby).....0.4 W
Main unit weight.....8.5 kg
External dimensions.....430 mm (W) x 107.9 mm (H) x 409 mm (D)
Tolerable operating temperature.....+5 °C to +35 °C
Tolerable operating humidity.....5 % to 85 % (no condensation)

Audio Section

Sampling rate.....96 kHz
A/ D, D/ A converter.....24 bits
Frequency characteristic
CD/ LINE/ MIC.....20 Hz to 20 kHz
S/ N ratio (rated output)
PHONO.....93 dB
CD/ DIGITAL, LINE.....107 dB
MIC.....85 dB
Total harmonic distortion (LINE — MASTER1).....0.004 %
Standard input level / Input impedance
PHONO.....–52 dBu/ 47 kΩ
CD/ LINE..... –12 dBu/ 47 kΩ
MIC..... –52 dBu/ 8 kΩ
RETURN..... –12 dBu/ 47 kΩ
Standard output level / Load impedance / Output impedance
MASTER1.....+8 dBu/ 10 kΩ/ 1 Ω or lower
MASTER2.....+2 dBu/ 10 kΩ/ 22 Ω or lower
REC OUT.....–8 dBu/ 10 kΩ/ 22 Ω or lower
BOOTH.....+8 dBu/ 10 kΩ/ 1 kΩ or lower
SEND.....–12 dBu/ 10 kΩ/ 1 kΩ or lower
PHONES.....+8.5 dBu/ 32 Ω/ 1 Ω or lower
Rated output level / Load impedance
MASTER1.....+26 dBu/ 10 kΩ
MASTER2.....+20 dBu/ 10 kΩ
Crosstalk (LINE).....82 dB
Channel equalizer characteristic
HI.....–26 dB to +6 dB (13 kHz)
MID.....–26 dB to +6 dB (1 kHz)
LOW.....–26 dB to +6 dB (70 Hz)
Microphone equalizer characteristic
HI.....–12 dB to +12 dB (10 kHz)
LOW.....–12 dB to +12 dB (100 Hz)

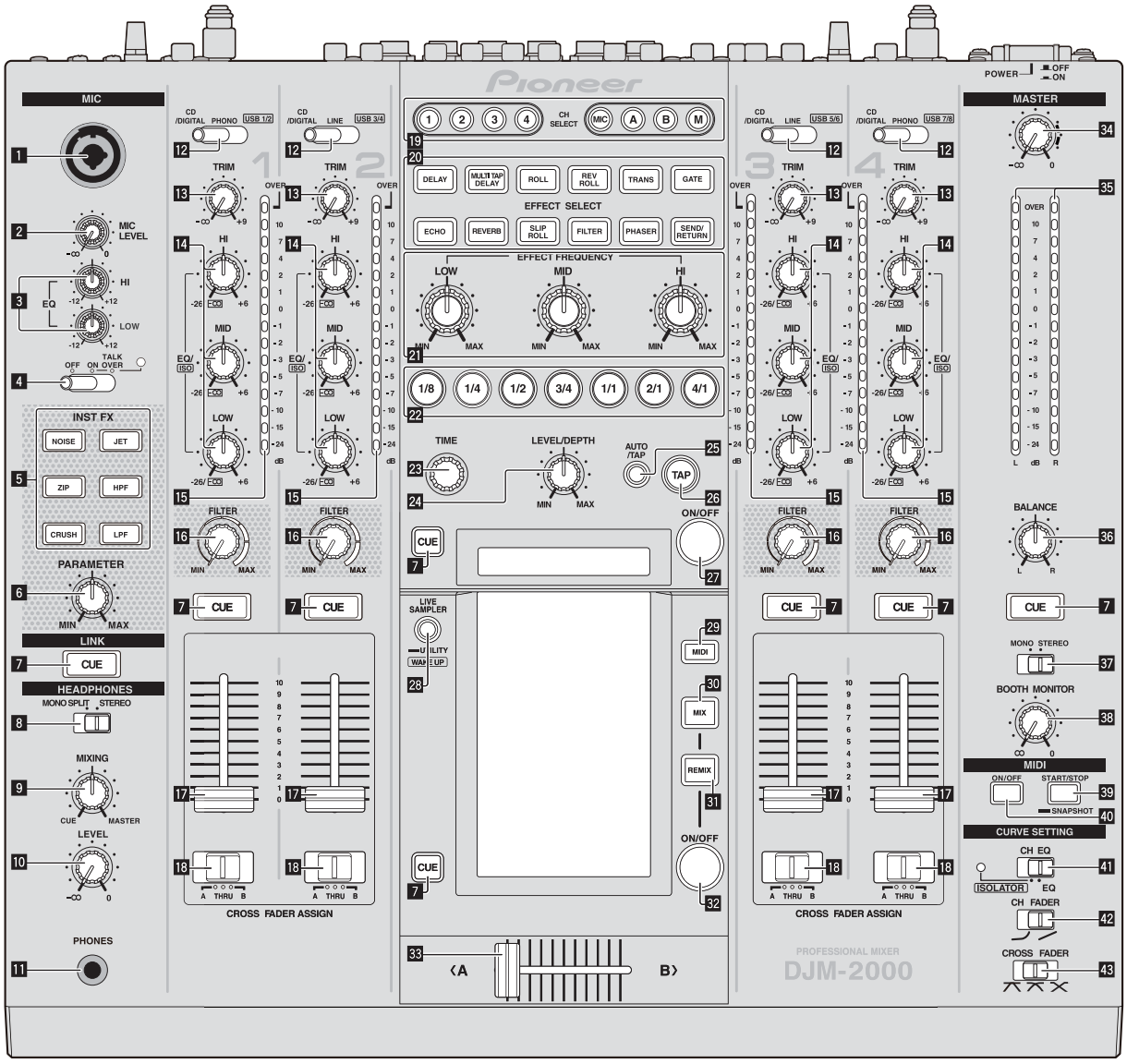
Input / Output terminals

PHONO input terminal
RCA pin jack.....2
CD input terminal
RCA pin jack.....4
LINE input terminal
RCA pin jack.....2
MIC input terminal
XLR connector/ Phone jack (Ø 6.3 mm).....1
RETURN Input terminals
Phone jack (Ø 6.3 mm).....1
DIGITAL IN coaxial input terminal
RCA pin jack.....4
MASTER output terminal
XLR connector.....1
RCA pin jack.....1
BOOTH output terminal
Phone jack (Ø 6.3 mm).....1
REC OUT output terminal
RCA pin jack.....1
SEND output terminal
Phone jack (Ø 6.3 mm).....1
DIGITAL OUT coaxial output terminal
RCA pin jack.....1
MIDI OUT terminal
5P DIN.....1
PHONES output terminal
Stereo phone jack (Ø 6.3 mm).....1
USB terminal
B-type.....1
CONTROL terminal
Mini phone jack (Ø 3.5 mm).....2
LINK terminal
LAN terminal (100Base-TX).....6

The specifications and design of this product are subject to change withoutnotice.

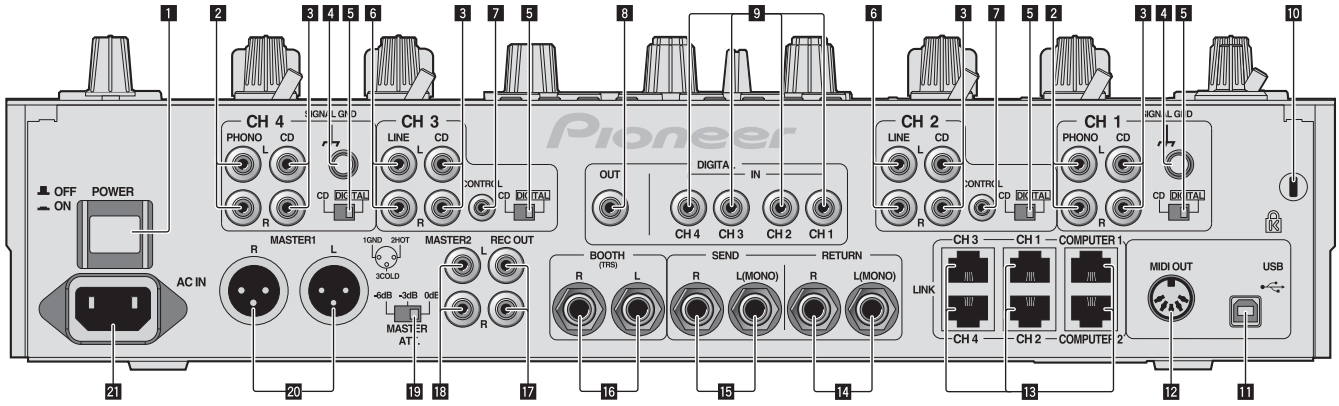
2.2 PANEL FACILITIES

Control Panel



1 Microphone input jack
2 MIC LEVEL
3 EQ (HI, LOW)
4 OFF, ON, TALK OVER
5 INST FX
6 PARAMETER
7 CUE
8 MONO SPLIT, STEREO
9 MIXING
10 LEVEL
11 PHONES
12 CD/DIGITAL, PHONO, LINE, USB */*
13 TRIM
14 EQ/ISO (HI, MID, LOW)
15 Channel Level Indicator
16 FILTER
17 Channel Fader
18 CROSS FADER ASSIGN (A, THRU, B)
19 CH SELECT
20 EFFECT SELECT
21 EFFECT FREQUENCY (HI, MID, LOW)
22 Beat buttons
23 TIME
24 LEVEL/DEPTH
25 AUTO/TAP
26 TAP
27 ON/OFF (BEAT EFFECT)
28 LIVE SAMPLER (UTILITY, WAKE UP)
29 MIDI
30 MIX
31 REMIX
32 ON/OFF (TOUCH PANEL EFFECT)
33 Crossfader
34 MASTER
35 Master Level Indicator
36 BALANCE
37 MONO, STEREO
38 BOOTH MONITOR
39 START/STOP (SNAPSHOT)
40 ON/OFF (MIDI)
41 CH EQ (ISOLATOR, EQ)
42 CH FADER (⌣, ⌢)
43 CROSS FADER (⌅, ⌅, ✕)

Rear Panel



1 POWER
Turns this unit's power on and off.

2 PHONO
Connect to a phono level (MM cartridge) output device. Do not input line level signals.

3 CD
Connect to a DJ player or a line level output component.

4 SIGNAL GND
Connect an analog player's ground wire here. This helps reduce noise when the analog player is connected.

5 CD, DIGITAL
Selects the analog signal input terminals (**CD**) or the digital signal input terminals (**DIGITAL IN**).

6 LINE
Connect to a cassette deck or a line level output component.

7 CONTROL
Connect using a control cord (included with Pioneer DJ players).

8 DIGITAL OUT
Outputs the master channel audio signals.

9 DIGITAL IN
Connect these to the digital coaxial output terminals on DJ players, etc. The sound may be momentarily interrupted when the output signal sampling frequency is switched.

10 Kensington security slot

11 USB
Connect to a computer.

12 MIDI OUT
Connect this to the MIDI IN terminal on an external MIDI sequencer.

13 LINK
Connect these to the LINK terminals on Pioneer DJ players or the LAN ports of computers on which rekordbox is installed (PRO DJ LINK).

14 RETURN
Connect to the output terminal of an external effector. When the [**L (MONO)**] channel only is connected, the [**L (MONO)**] channel input is simultaneously input to the [**R**] channel.

15 SEND
Connect to the input terminal of an external effector. When the [**L (MONO)**] channel only is connected, a monaural audio signal is output.

16 BOOTH
Output terminals for a booth monitor, compatible with balanced or unbalanced output for a TRS connector.

17 REC OUT
This is an output terminal for recording.

18 MASTER2
Connect to a power amplifier, etc.

19 MASTER ATT.
Switches the attenuation level of the sound output from the [**MASTER1**] and [**MASTER2**] terminals. Select 0 dB, –3 dB or –6 dB.

20 MASTER1
Connect to a power amplifier, etc.

21 AC IN
Connect to a power outlet using the included power cord. Wait until all connections between the equipment are completed before connecting the power cord.
Be sure to use the included power cord.

3. BASIC ITEMS FOR SERVICE
3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing / DJM

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

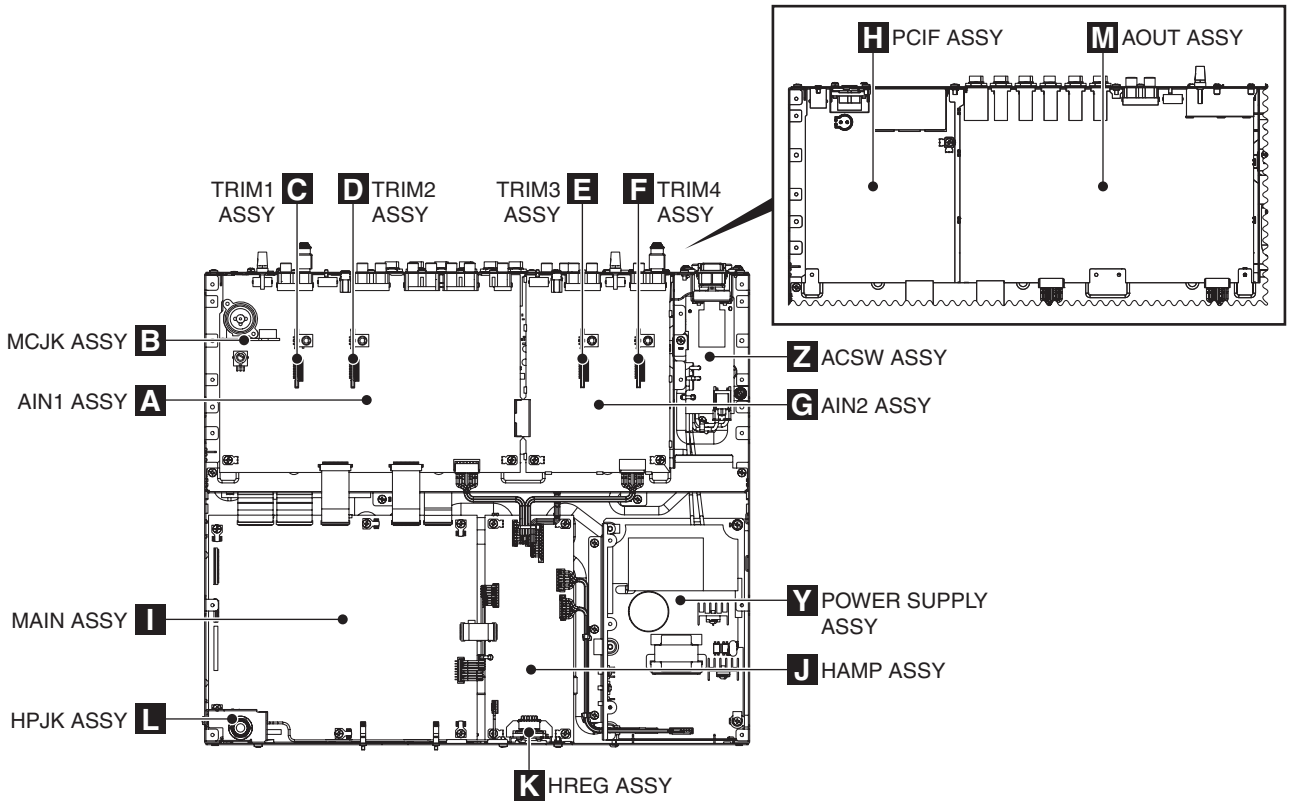
No.	Procedures	Check points
1	Confirm whether the customer complain has been solved. If the customer complain occurs with the specific source, such as Mic, each Input, Fader, Equalizer, and Trim, input that specific source for checking.	The customer complain must not be reappeared. Audio and operations must be normal.
2	Check the analog audio playback. (Make the analog connections 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 sound from headphone output.	Sound must be normal, without noise.
6	Check the connection of each interface.	
	USB B	Device must be recognized by the PC.
	LINK	Connection of the LAN must be normal in the Test mode.
7	Check the keys on the unit.	Check whether a product can be operated properly by buttons on the product.
8	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

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

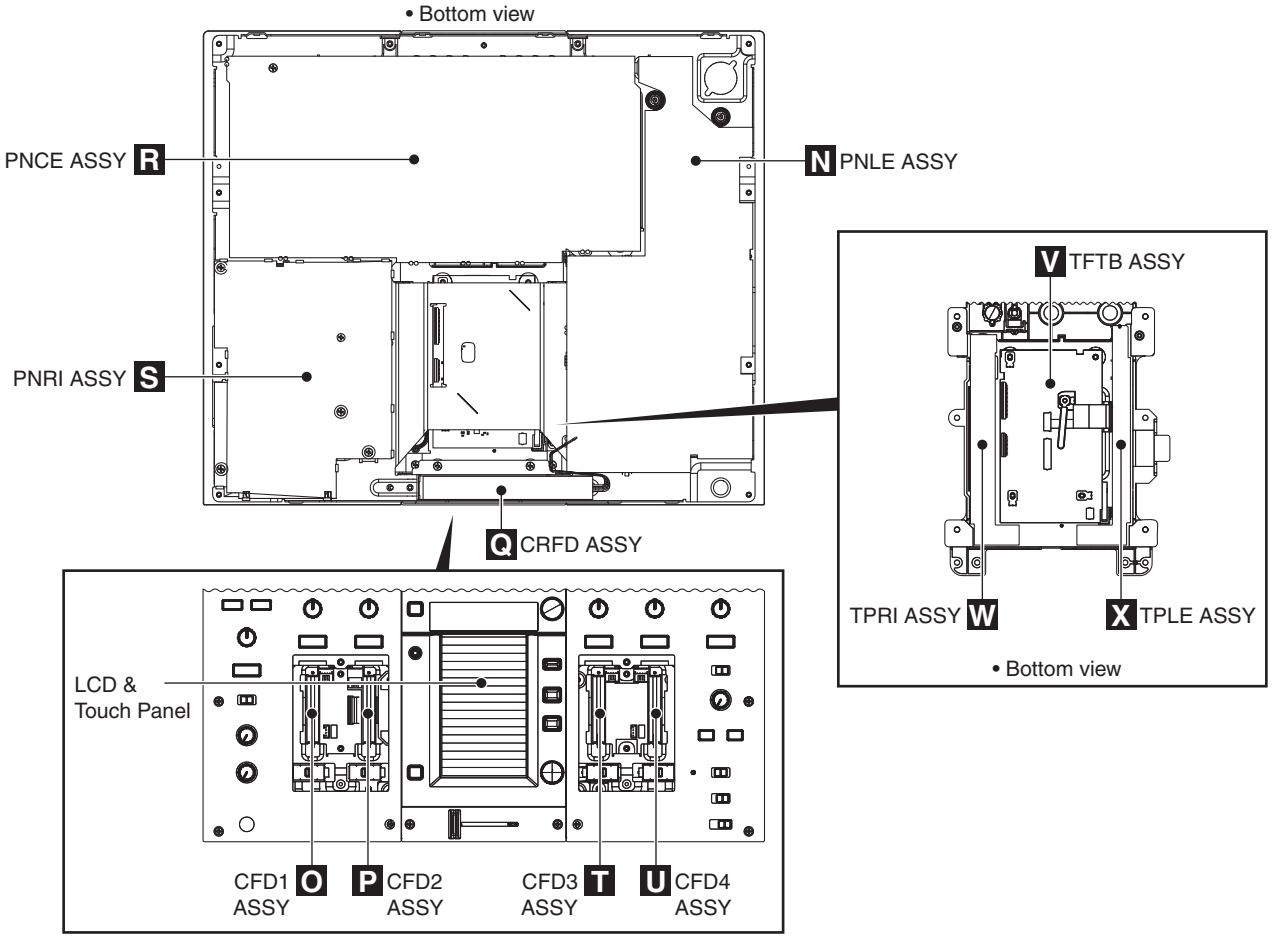
Item to be checked regarding audio
Distortion
Noise
Volume too low
Volume too high
Volume fluctuating
Sound interrupted

3.2 PCB LOCATIONS

■ Main Section



■ Control Panel Section



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

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
NSP	1..	AITF ASSY	DWM2334
	2..	TFTB ASSY	DWX2921
	2..	AIN1 ASSY	DWX2922
	2..	TRIM1 ASSY	DWX2935
	2..	TRIM2 ASSY	DWX2936
NSP	1..	AIPC ASSY	DWM2335
	2..	AIN2 ASSY	DWX2923
	2..	PCIF ASSY	DWX2925
	2..	TRIM3 ASSY	DWX2937
	2..	TRIM4 ASSY	DWX2938
	2..	TPLE ASSY	DWX3010
	2..	TPRI ASSY	DWX3011
NSP	1..	OUHP ASSY	DWM2336
	2..	HAMP ASSY	DWX2919
	2..	AOUT ASSY	DWX2924
	2..	HPJK ASSY	DWX2939
	2..	HREG ASSY	DWX2940
NSP	1..	PNLA ASSY	DWM2337
	2..	ACSW ASSY	DWX2918
	2..	PNCE ASSY	DWX2926
	2..	MCJK ASSY	DWX2934
NSP	1..	PNLB ASSY	DWM2338
	2..	PNLE ASSY	DWX2927
	2..	PNRI ASSY	DWX2928
	2..	CRFD ASSY	DWX2929
	2..	CFD1 ASSY	DWX2930
	2..	CFD2 ASSY	DWX2931
	2..	CFD3 ASSY	DWX2932
	2..	CFD4 ASSY	DWX2933
	1..	MAIN ASSY	DWX2920
⚠	1..	POWER SUPPLY ASSY	DWR1473 or DWR1492
		LCD	CWX3868
		Touch Panel	DSX1081

A

B

C

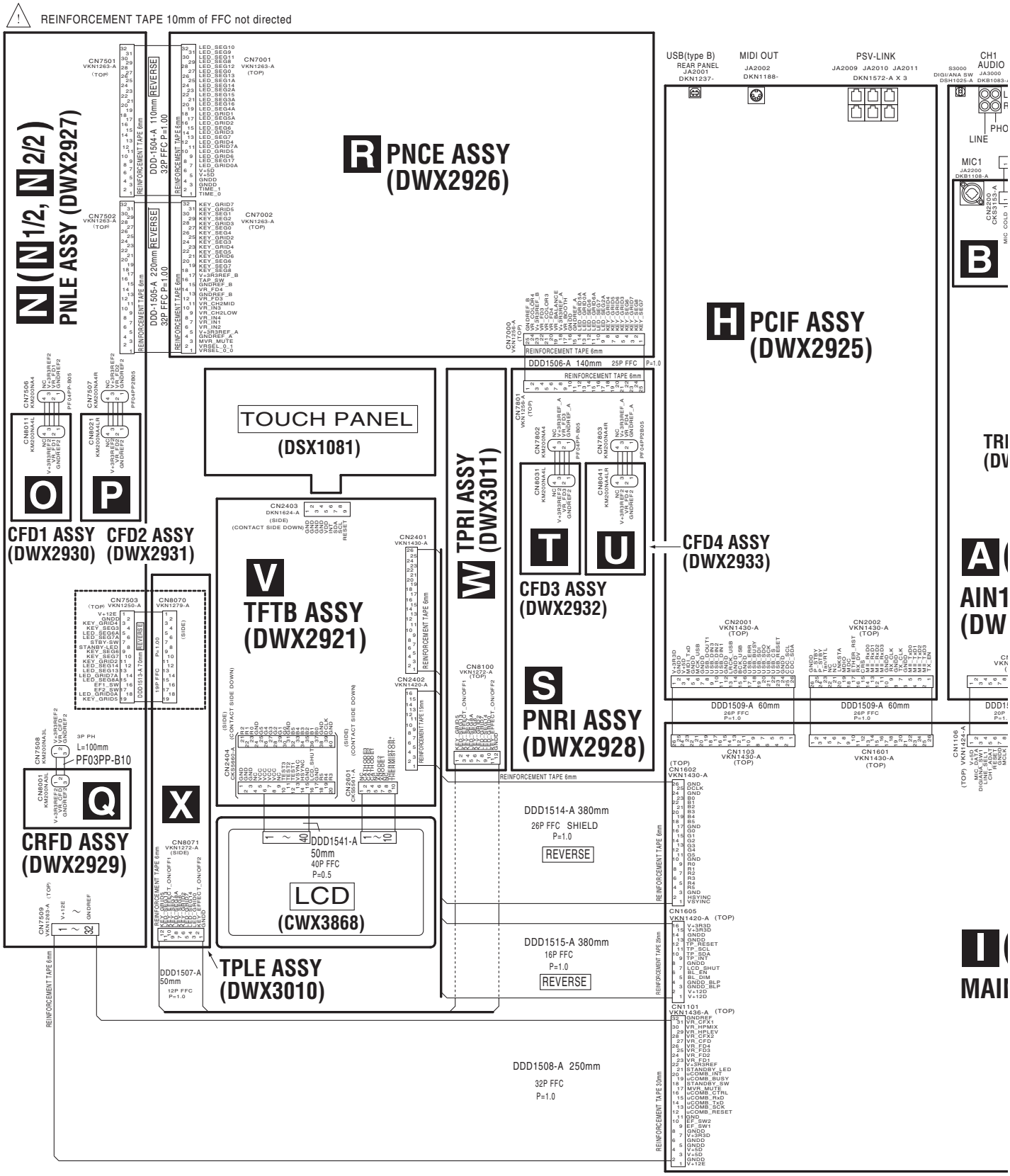
D

E

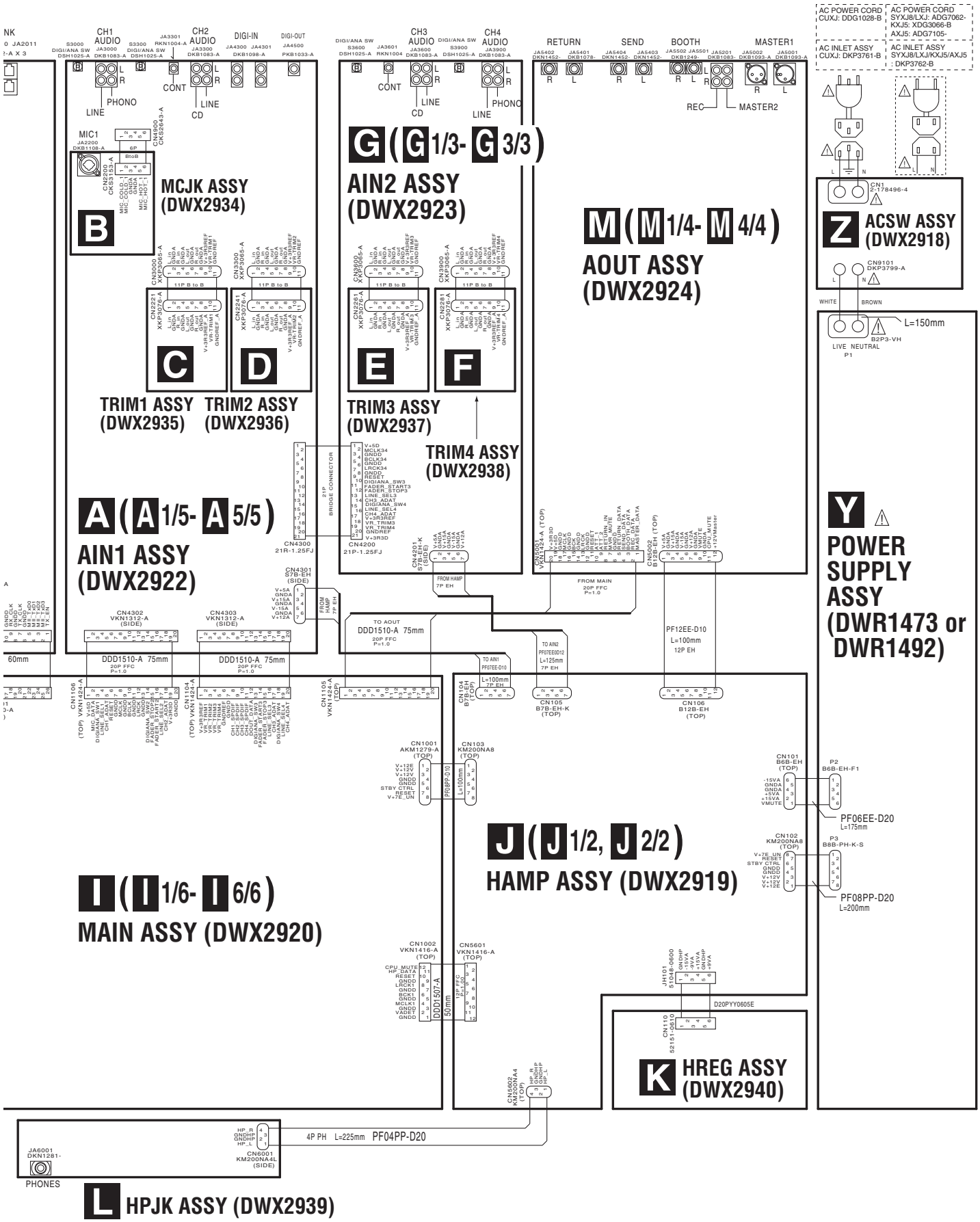
F

4. BLOCK DIAGRAM

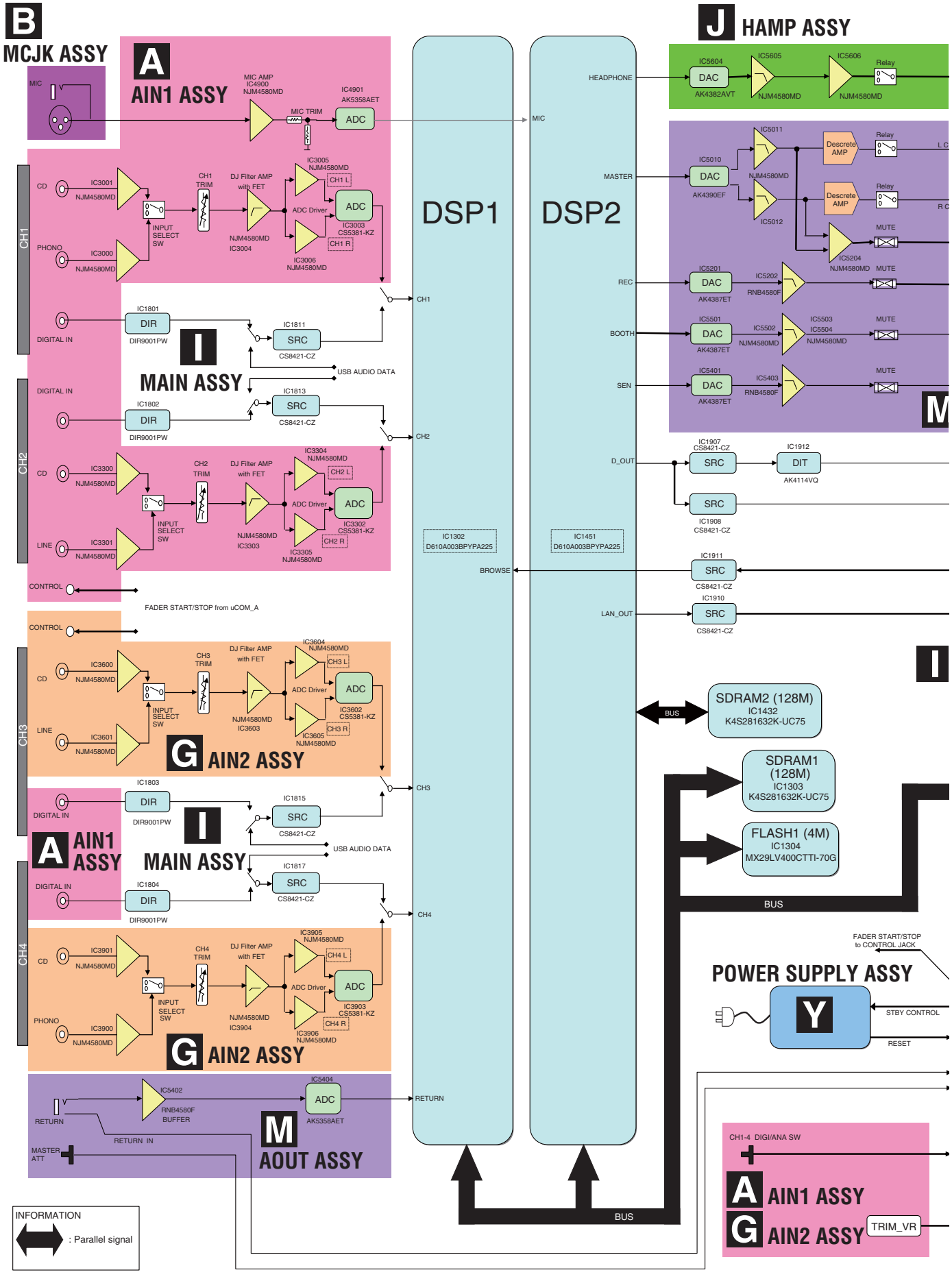
4.1 OVERALL CONNECTION DIAGRAM

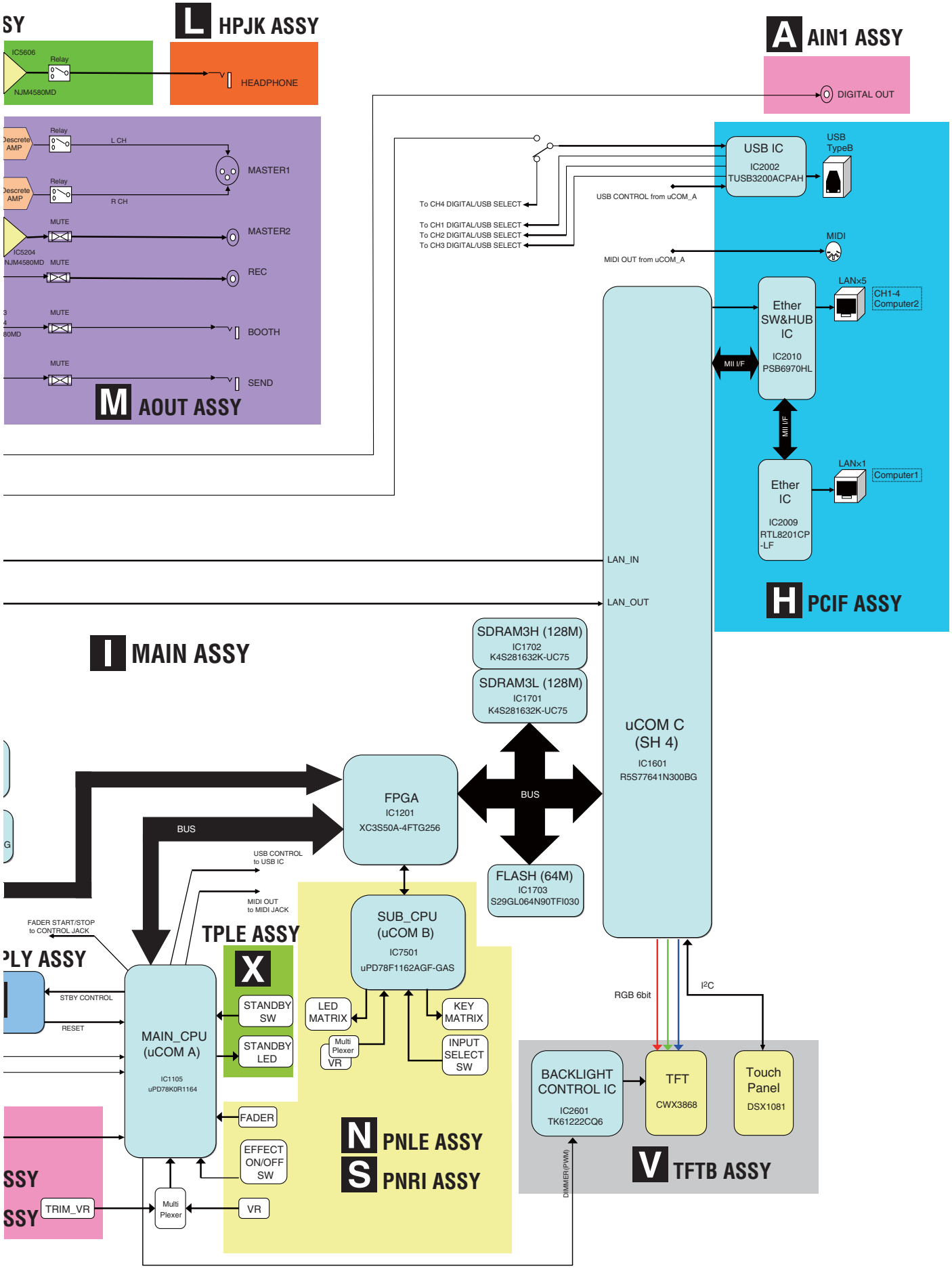


- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply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

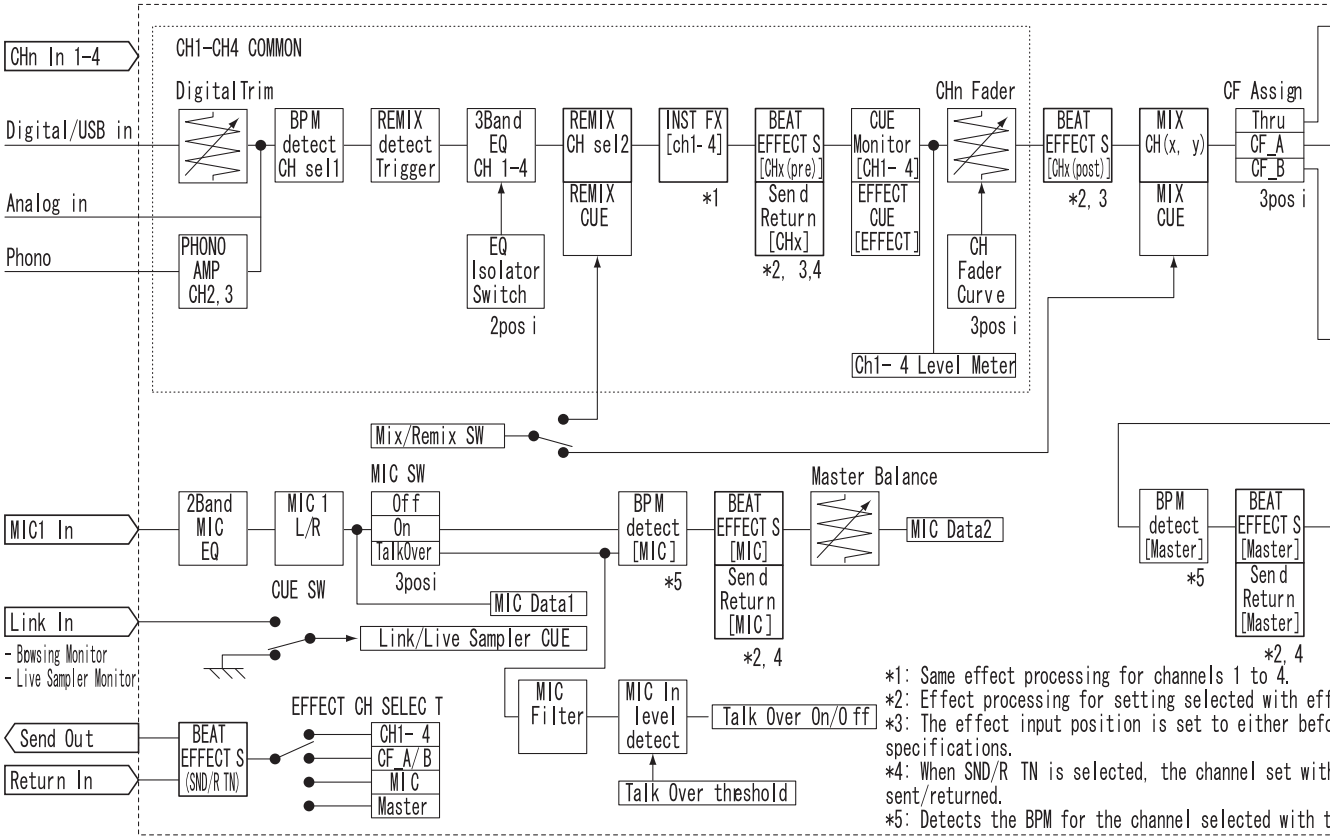

AC POWER CORD CUXJ: DDG1028-B
AC POWER CORD SYXJ8/LXJ: ADG7062- KXJ5: XDG3066-B AXJ5: ADG7105-
AC INLET ASSY CUXJ: DKP3761-B
AC INLET ASSY SYXJ8/LXJ/KXJ5/AXJ5 : DKP3762-B
CH1 AUDIO
CH2 AUDIO
DIGI-IN
DIGI-OUT
CH3 AUDIO
CH4 AUDIO
RETURN
SEND
BOOTH
MASTER1
LINE
PHONO
CONT
CD
REC
MASTER2
MIC1
MCJK ASSY (DWX2934)
B
G(G1/3-G3/3)
AIN2 ASSY (DWX2923)
M(M1/4-M4/4)
AOUT ASSY (DWX2924)
Z ACSW ASSY (DWX2918)
C
D
TRIM1 ASSY (DWX2935)
TRIM2 ASSY (DWX2936)
E
F
TRIM3 ASSY (DWX2937)
TRIM4 ASSY (DWX2938)
A(A1/5-A5/5)
AIN1 ASSY (DWX2922)
Y
POWER SUPPLY ASSY (DWR1473 or DWR1492)
I(I1/6-I6/6)
MAIN ASSY (DWX2920)
J(J1/2, J2/2)
HAMP ASSY (DWX2919)
K HREG ASSY (DWX2940)
L HPJK ASSY (DWX2939)
PHONES
L=150mm
B2P3-VH
LIVE NEUTRAL
P1
WHITE
BROWN
PF06EE-D20
L=175mm
PF08PP-D20
L=200mm
PF12EE-D10
L=100mm
4P PH L=225mm PF04PP-D20

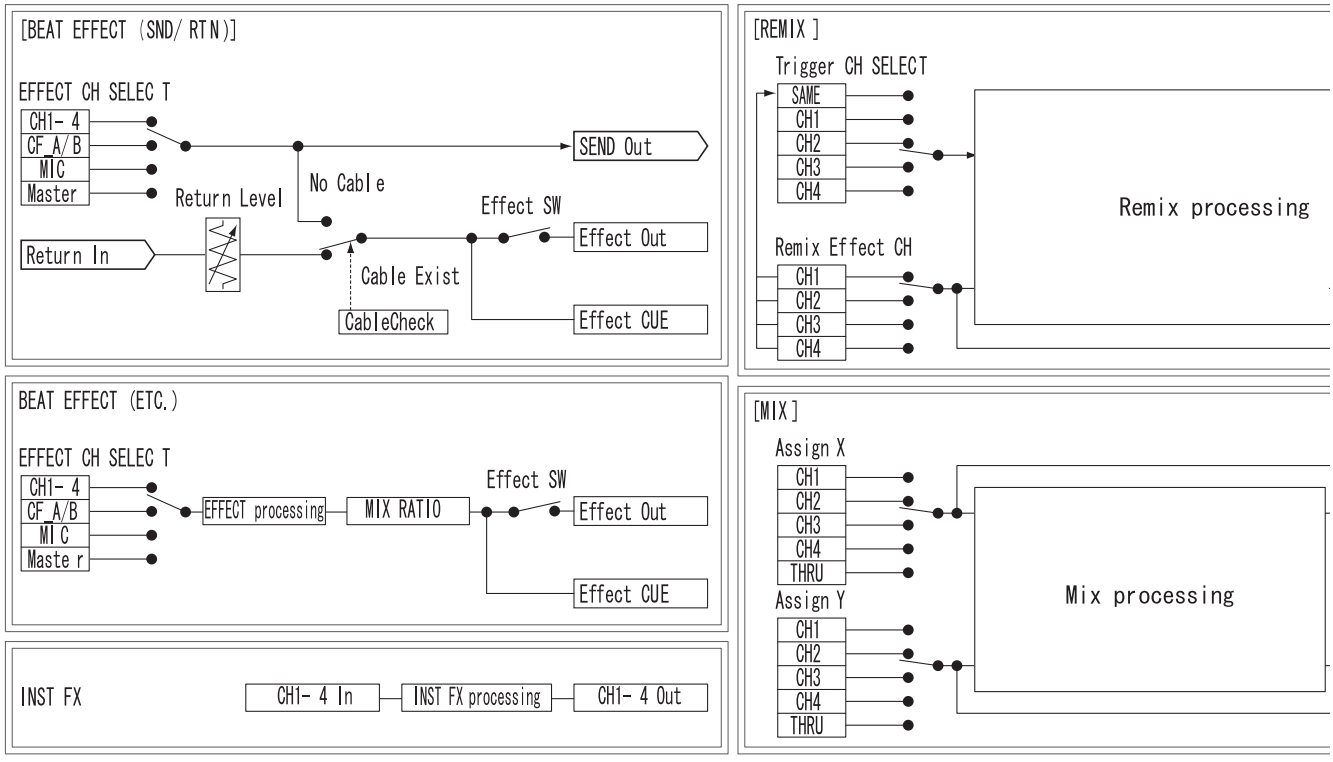
4.2 BLOCK DIAGRAM

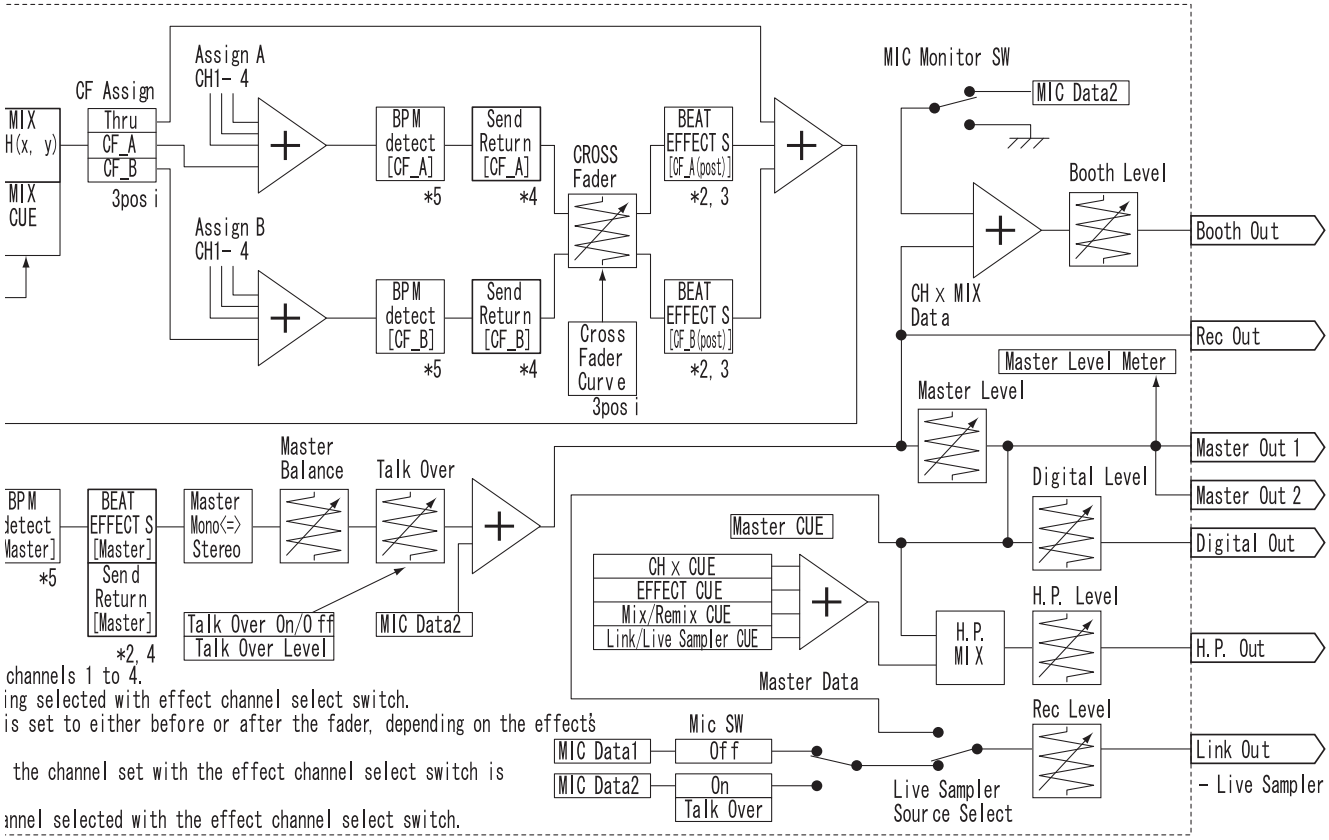


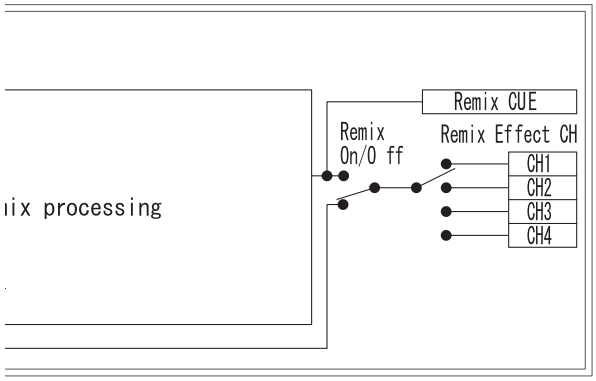

SY
L HPJK ASSY
IC5606
Relay
NJM4580MD
HEADPHONE
A AIN1 ASSY
DIGITAL OUT
Relay
L CH
MASTER1
R CH
MUTE
MASTER2
REC
BOOTH
SEND
M AOUT ASSY
USB IC
IC2002
TUSB3200ACPAH
USB TypeB
To CH4 DIGITAL/USB SELECT
USB CONTROL from uCOM_A
To CH1 DIGITAL/USB SELECT
To CH2 DIGITAL/USB SELECT
To CH3 DIGITAL/USB SELECT
MIDI
MIDI OUT from uCOM_A
LAN×5
CH1-4 Computer2
Ether SW&HUB IC
IC2010
PSB6970HL
MII I/F
Ether IC
IC2009
RTL8201CP -LF
LAN×1
Computer1
H PCIF ASSY
LAN_IN
LAN_OUT
I MAIN ASSY
SDRAM3H (128M)
IC1702
K4S281632K-UC75
SDRAM3L (128M)
IC1701
K4S281632K-UC75
uCOM C (SH 4)
IC1601
R5S77641N300BG
FPGA
IC1201
XC3S50A-4FTG256
BUS
FLASH (64M)
IC1703
S29GL064N90TFI030
USB CONTROL to USB IC
MIDI OUT to MIDI JACK
FADER START/STOP to CONTROL JACK
TPLE ASSY
X
SUB_CPU (uCOM B)
IC7501
uPD78F1162AGF-GAS
PLY ASSY
STBY CONTROL
RESET
MAIN_CPU (uCOM A)
IC1105
uPD78K0R1164
STANDBY SW
STANDBY LED
LED MATRIX
KEY MATRIX
Multi Plexer
VR
INPUT SELECT SW
RGB 6bit
I²C
BACKLIGHT CONTROL IC
IC2601
TK61222CQ6
TFT
CWX3868
Touch Panel
DSX1081
V TFTB ASSY
FADER
EFFECT ON/OFF SW
N PNLE ASSY
S PNRI ASSY
SSY
SSY
TRIM_VR
Multi Plexer
VR
DIMMER(PWM)

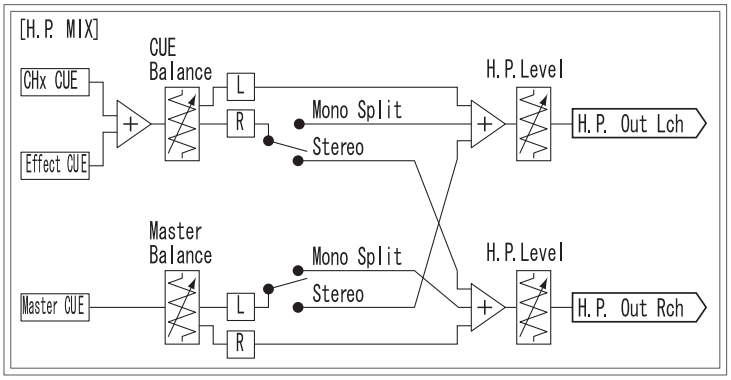
4.3 DSP BLOCK DIAGRAM

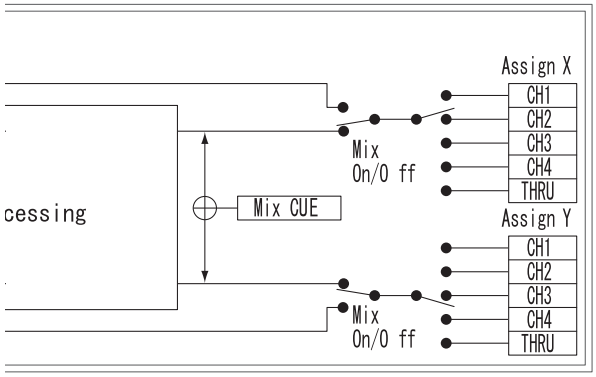




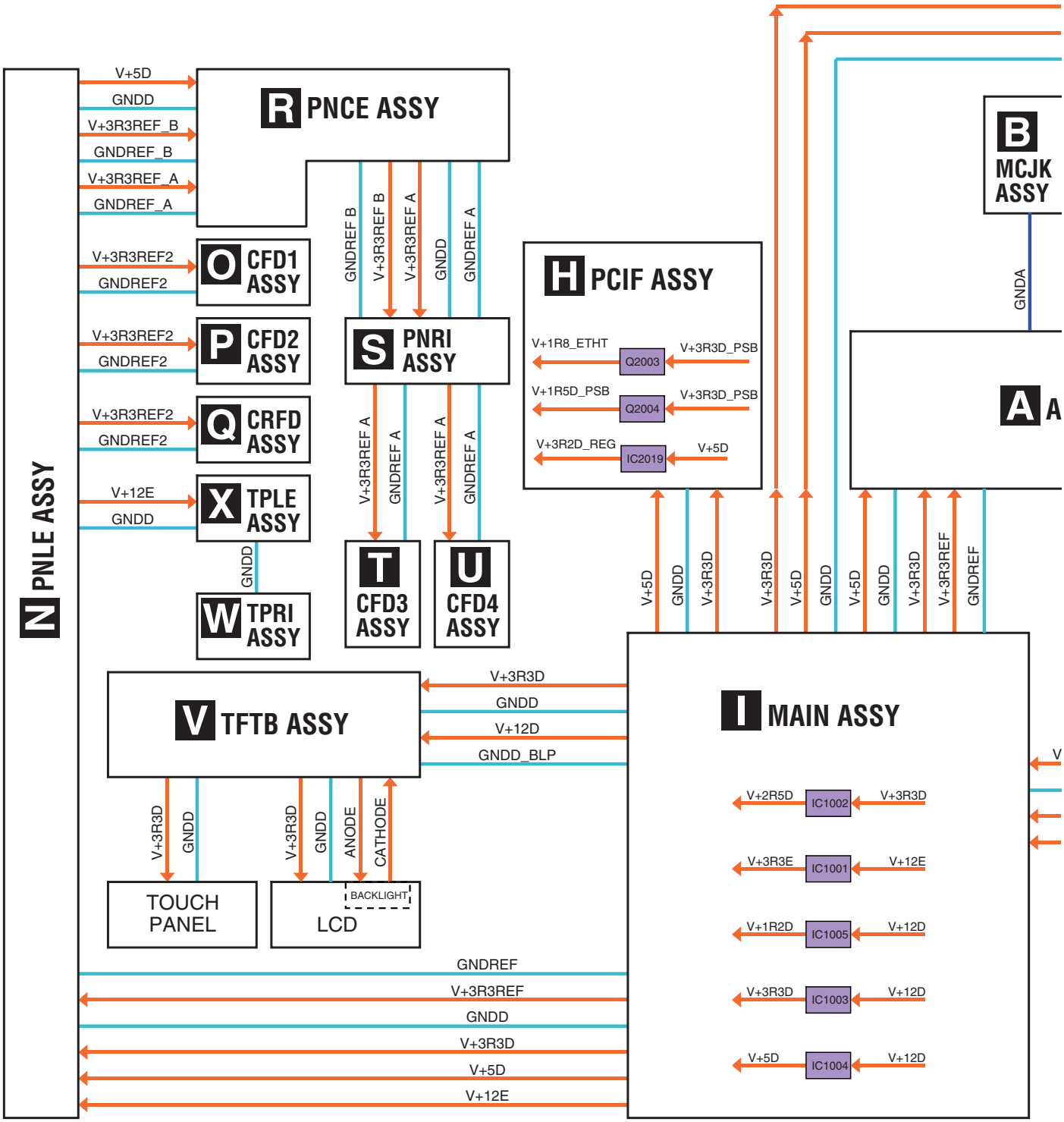

CF Assign
Thru
CF_A
CF_B
3pos i
Assign A
CH1- 4
Assign B
CH1- 4
BPM detect [CF_A]
*5
Send Return [CF_A]
*4
BPM detect [CF_B]
*5
Send Return [CF_B]
*4
CROSS Fader
Cross Fader Curve
3pos i
BEAT EFFECT S [CF_A(post)]
*2, 3
BEAT EFFECT S [CF_B(post)]
*2, 3
MIC Monitor SW
MIC Data2
Booth Level
Booth Out
CH x MIX Data
Rec Out
Master Level Meter
Master Level
Master Out 1
Master Out 2
Digital Level
Digital Out
Master CUE
CH x CUE
EFFECT CUE
Mix/Remix CUE
Link/Live Sampler CUE
H.P. MIX
H.P. Level
H.P. Out
Master Data
Rec Level
Link Out
- Live Sampler
Mic SW
MIC Data1
Off
MIC Data2
On
Talk Over
Live Sampler Source Select
Master Balance
Talk Over
Master Mono<=> Stereo
Talk Over On/Off
Talk Over Level
MIC Data2
BPM detect [Master]
*5
BEAT EFFECT S [Master]
Send Return [Master]
*2, 4
channels 1 to 4.
ing selected with effect channel select switch.
is set to either before or after the fader, depending on the effect's
the channel set with the effect channel select switch is
annel selected with the effect channel select switch.

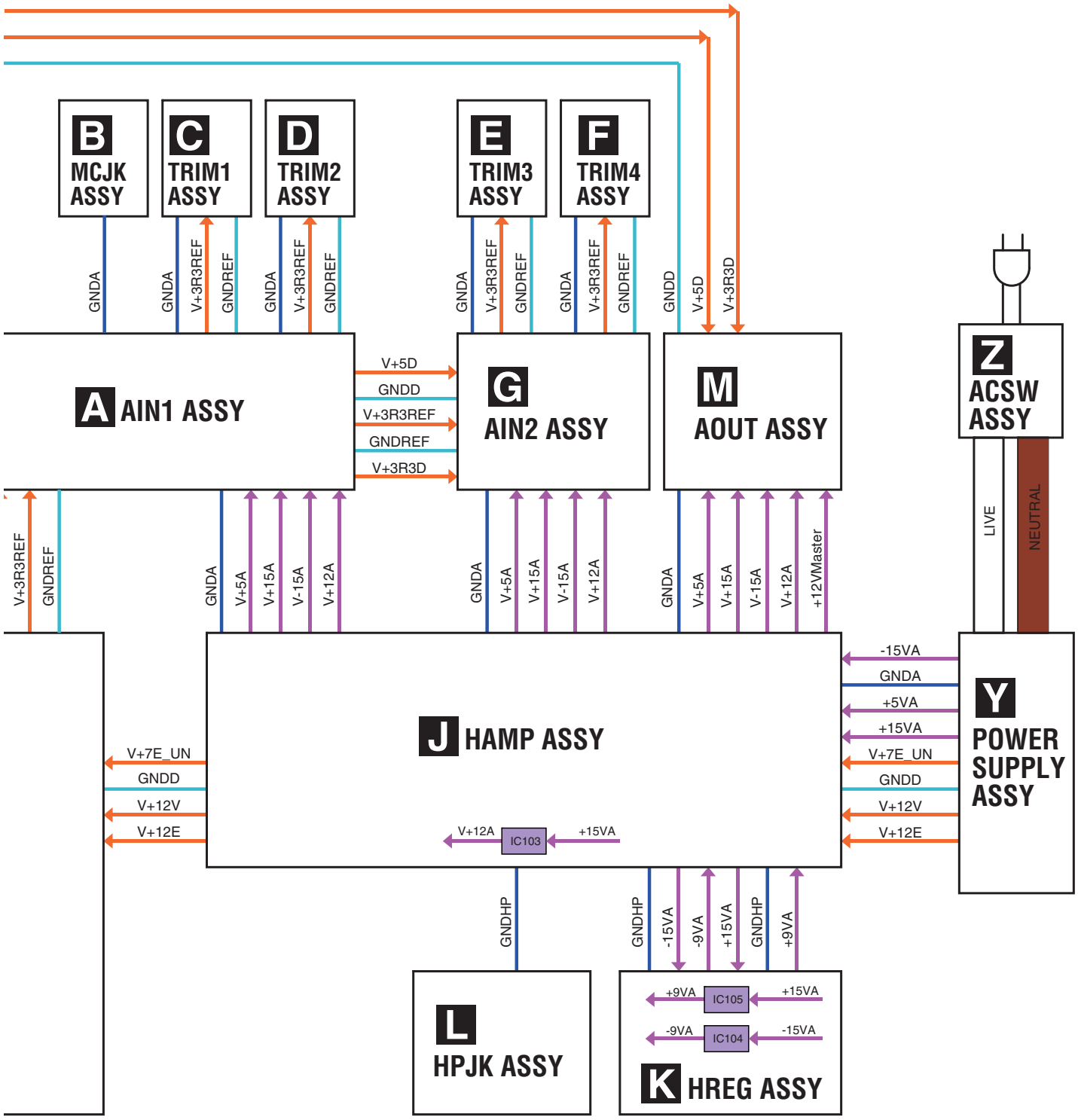

ıix processing
Remix CUE
Remix On/Off
Remix Effect CH
CH1
CH2
CH3
CH4


[H.P. MIX]
CHx CUE
Effect CUE
CUE Balance
L
R
Mono Split
Stereo
H.P.Level
H.P. Out Lch
Master Balance
Master CUE
L
R
Mono Split
Stereo
H.P.Level
H.P. Out Rch

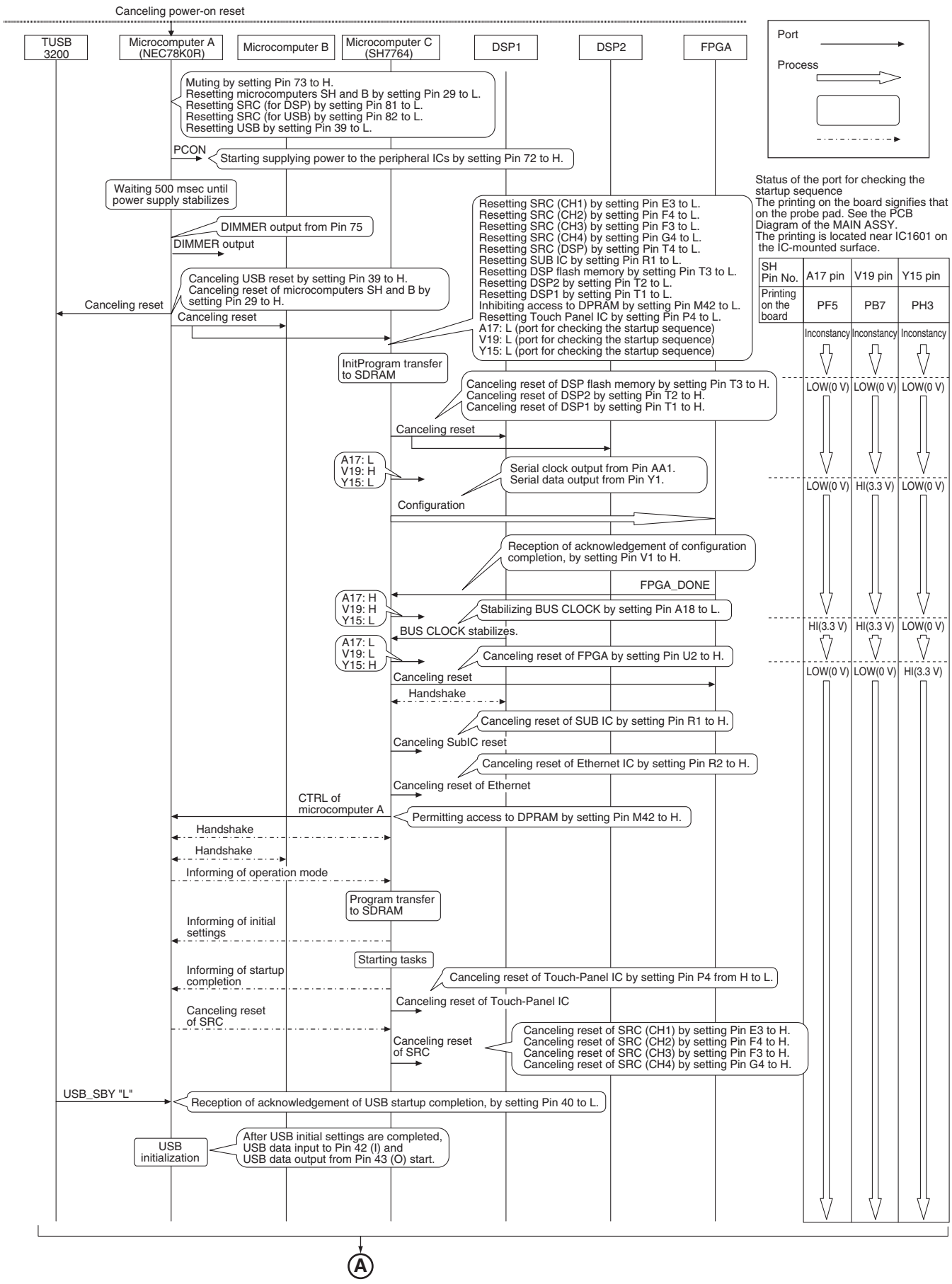

cessing
Assign X
CH1
CH2
CH3
CH4
THRU
Mix On/Off
Mix CUE
Assign Y
CH1
CH2
CH3
CH4
THRU
Mix On/Off

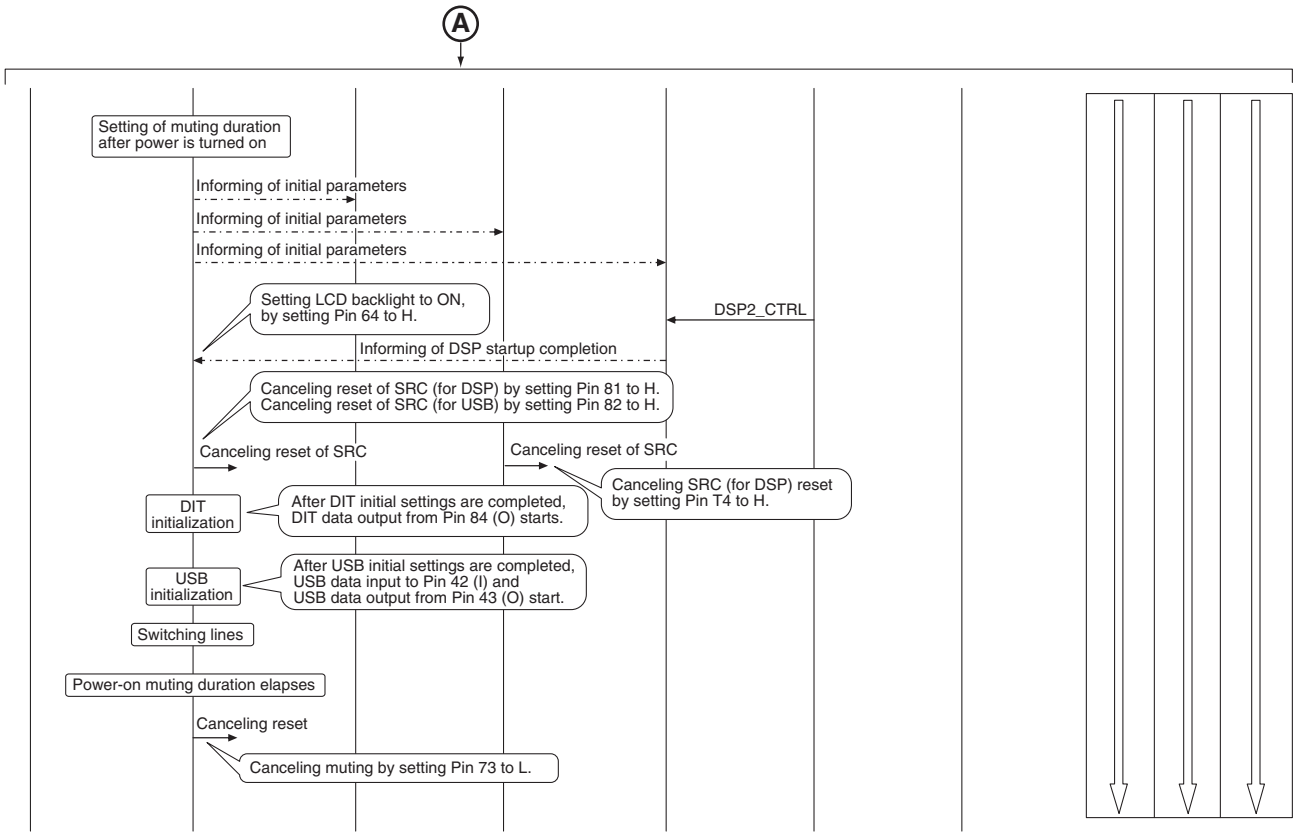
4.4 POWER BLOCK DIAGRAM




B
MCJK
ASSY
C
TRIM1
ASSY
D
TRIM2
ASSY
E
TRIM3
ASSY
F
TRIM4
ASSY
GNDA
V+3R3REF
GNDREF
GNDD
V+5D
V+3R3D
A AIN1 ASSY
V+5D
GNDD
V+3R3REF
GNDREF
V+3R3D
G
AIN2 ASSY
M
AOUT ASSY
Z
ACSW
ASSY
LIVE
NEUTRAL
V+5A
V+15A
V-15A
V+12A
+12VMaster
J HAMP ASSY
V+7E_UN
V+12V
V+12E
IC103
-15VA
+5VA
+15VA
Y
POWER
SUPPLY
ASSY
GNDHP
-9VA
+9VA
L
HPJK ASSY
IC105
IC104
K HREG ASSY

5. DIAGNOSIS
5.1 POWER ON SEQUENCE




A
Setting of muting duration after power is turned on
Informing of initial parameters
Informing of initial parameters
Informing of initial parameters
Setting LCD backlight to ON, by setting Pin 64 to H.
DSP2_CTRL
Informing of DSP startup completion
Canceling reset of SRC (for DSP) by setting Pin 81 to H.
Canceling reset of SRC (for USB) by setting Pin 82 to H.
Canceling reset of SRC
Canceling reset of SRC
Canceling SRC (for DSP) reset by setting Pin T4 to H.
DIT initialization
After DIT initial settings are completed, DIT data output from Pin 84 (O) starts.
USB initialization
After USB initial settings are completed, USB data input to Pin 42 (I) and USB data output from Pin 43 (O) start.
Switching lines
Power-on muting duration elapses
Canceling reset
Canceling muting by setting Pin 73 to L.

5.2 ERROR INDICATIONS

■ Indications of Errors during Startup

If an error is detected during the boot sequence, the following requirements must be met:
• Master muting should not be canceled.
• An error status should be notified to the user.
The indication method differs, depending on where an error was generated. See the table below.
Note: If there are several errors whose error codes are to be indicated on the LCD display, those error codes are added.
Example: USB + DIT = 0x0004 + 0x0008 = 0x000C

Error (in the order of detection)	Detection Microcomputer	Indication	Cause	Diagnostics Point
DSP	A	Repeated 3-time flashing of the UTILITY LED (lit and unlit for 250 ms each 3 times then unlit for 1 s)	• SH does not start. • DSP does not start. • Configuration of the FPGA is not completed.	• Check SH_RESET is Hi level. • Check DSP_RESET is Hi level. • Check 24 MHz clock is oscillated. → MAIN Assy No. 30 • Check FPGA_DONE is Hi level. → MAIN Assy No. 37
FPGA	A	Repeated 3-time flashing of the UTILITY LED (lit and unlit for 250 ms each 3 times then unlit for 1 s)	• SH does not start. • DSP does not start. • Configuration of the FPGA is not completed.	• Check SH_RESET is Hi level. • Check DSP_RESET is Hi level. • Check 24 MHz clock is oscillated. → MAIN Assy No. 30 • Check FPGA_DONE is Hi level. → MAIN Assy No. 37
Microcomputer A	A	Error code 0x0001 is displayed on the LCD display or Update mode is started.	A state of the ROM is not correct.	• Check a voltage of V+3R3E. • Check POWER_RESET is Hi level.
SH	A	Repeated 3-time flashing of the UTILITY LED (lit and unlit for 250 ms each 3 times then unlit for 1 s)	• SH does not start. • DSP does not start. • Configuration of the FPGA is not completed.	• Check SH_RESET is Hi level. • Check DSP_RESET is Hi level. • Check 24 MHz clock is oscillated. → MAIN Assy No. 30 • Check FPGA_DONE is Hi level. → MAIN Assy No. 37
Microcomputer B	A	Error code 0x0002 is displayed on the LCD display.	The communication between microcomputer A and the microcomputer B is not possible.	• Check uCOMB_RESET is Hi level. • Check uCOMB_SCK. → MAIN Assy No. 4 • Check uCOMB_TXD.→ MAIN Assy No. 5 • Check uCOMB_RXD.→ MAIN Assy No. 6 • Check uCOMB_CTRL.→ MAIN Assy No. 7
USB	A	Error code 0x0004 is displayed on the LCD display.	• Does not start. • Communication is not possible.	• Check voltages of V+3R3D_USB and V+5D_USB. • Check USB_RESET is Hi level. → PCIF Assy No. 3 • Check USB_CS, SCK, SDI and SDO.
DIT	A	Error code 0x0008 is displayed on the LCD display.	Communication is not possible.	• Check SUBIC_RESET is Hi level. • Check DITD_CS, SCK, TXD and RXD.
LINK(CH1)	SH	Error code 0x0080 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
LINK(CH2)	SH	Error code 0x0040 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
LINK(CH3)	SH	Error code 0x0020 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
LINK(CH4)	SH	Error code 0x0010 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
LINK(PC1)	SH	Error code 0x0200 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11

* No. of the PCB Assy are referred to section "10.30 WAVEFORMS."

Error (in the order of detection)	Detection Microcomputer	Indication	Cause	Diagnostics Point
LINK(PC2)	SH	Error code 0x0100 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
Touch panel	SH	Error code 0x0800 is displayed on the LCD display.	Communication is not possible.	• Check a voltage of V+3R3D adjacent to the touch panel. • Check TP_RESET. → MAIN Assy No. 42 • Check TP_SCL. → MAIN Assy No. 43 • Check TP_SDA. → MAIN Assy No. 44 • Check TP_INT. → MAIN Assy No. 45

* No. of the PCB Assy are referred to section "10.30 WAVEFORMS."

Indications of Errors during Power Failure

The UTILITY LED flashes (Intervals: 250 ms [Lit 125 ms/Unlit 125 ms]).
Refer to the "5.3 VOLTAGE MONITORING CIRCUIT".

Indications of Errors during Updating

Indication	Microcomputer in failure	Correspondence
Update Error E001	Microcomputer A	Please update it again.
Update Error E002	Microcomputer B	Please update it again.
Update Error E003	SH	Please update it again.
Update Error E004	DSP1 program	Please update it again.
Update Error E005	DSP2 program	Please update it again.
Update Error E006	DSP data	Please update it again.
Update Error E007	USB	Please update it again.
Update Error E008	Update file error	Please update it again.
Update Error EE00 - EE64	Network error	Please update it again.

5.3 VOLTAGE MONITORING CIRCUIT

■ Voltage Monitoring

This unit monitors the voltages of the main power-supply units, using VDET signals.
The VDET signal level is middle (+1.08 V to +1.32 V) during normal operations. When the level falls outside the middle level, as shown in the table below, microcomputer A (IC1105) is notified of an error.

Product behavior when an error is generated

Upon reception of a VDET signal that informs of power failure, microcomputer A sets the Pcon signal to Low and stops the switching-system output from SW power. Microcomputer A instructs that the STANDBY LED signal be sent so that the UTILITY button will flash to notify the user of a power failure.

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

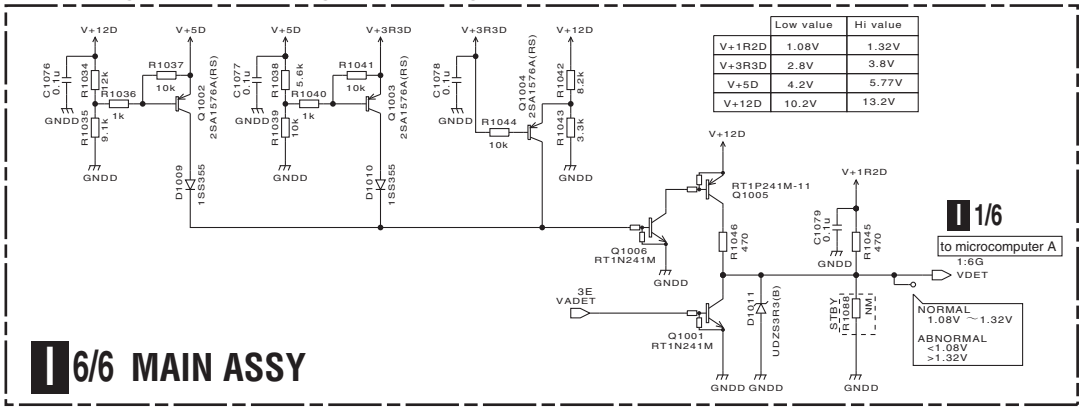
As the switching-system output is stopped, the indications other than the UTILITY button are unlit and all the switches and VRs are disabled.

Diagnostic procedure

If any voltage is abnormal, that error will be detected by the voltage monitoring program after it is started after a usual start-up of the unit. Then the SW power output will be stopped. For this reason, power will be supplied for about 10 sec after start-up. Identify which power-supply IC is defective by turning the unit OFF then back ON while monitoring each voltage on an oscilloscope. Check the value of each voltage immediately before stopping power supply.

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

Circuit diagram of the voltage monitoring section



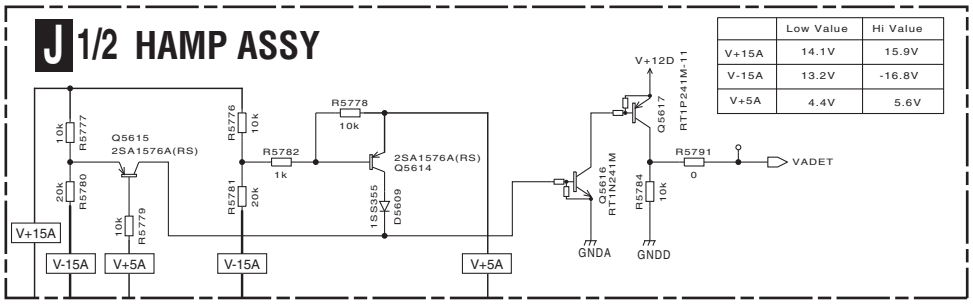


Table: List of voltage values for power monitoring and statuses of the voltage comparator transistors

State	Power	Voltage	Statuses of voltage comparator transistors										VDET Voltage
			Q1002	Q1003	Q1004	Q1006	Q1005	Q5614	Q5615	Q5616	Q5617	Q1001	
In normal operation			OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	Mid
When an error is generated	V+12D	< 10.2V	**ON**	OFF	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	Hi
		> 13.2V	OFF	OFF	**ON**	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	Hi
	V+5D	< 4.2V	OFF	**ON**	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	Hi
		> 5.77V	**ON**	OFF	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	HI
	V+3R3D	< 2.8V	OFF	OFF	**ON**	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	HI
		> 3.8V	OFF	**ON**	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	HI
	V+1R2D	< 1.08V	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	< 1.08V
		> 1.32V	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	> 1.32V
	V+15A	< 14.1V	OFF	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**	Low
		> 15.9V	OFF	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**	Low
	V-15A	< -16.8V	OFF	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**	Low
		> -13.2V	OFF	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**	Low
	V+5A	< 4.4V	OFF	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**	Low
		> 5.6V	OFF	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**	Low

5.4 CONNECTION CHECK WITH EACH INTERFACE

■ USB

[1. USB B connector]

Whether communication between the PC connected via the USB B connector and this unit is properly performed or not can be confirmed on the PC.
Note: Installation of the driver software is necessary.

■ Use Device Manager for checking.

If the PC and this unit are properly connected, the components of this unit are added in Device Manager (under Hardware) as devices.
If all components are properly displayed, the PC and this unit are properly communicating via the USB connector.

In a case of Windows XP:
Start, Control Panel, System, Hardware, then Device Manager
Devices to be added:
- Universal Serial Bus controllers
  USB Composite Device
- Under “Sound, video and game controllers”
  PIONEER DJM-2000
  USB Audio Device

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

■ LAN

[2. LINK]

You can check from this unit if the mixer can properly communicate via LAN.
Note: Use a Category 5 cable or a cable with higher specifications for connection.
Either a straight or cross LAN cable can be used when the unit is directly connected with the PC, but when the unit is connected with the PC via a hub, be sure to use a straight cable.

■ Check the LAN conditions, using Test mode of this unit:

① Start up the unit in Test mode.
② Open Page01: Device Test.
③ The IP Address and Subnet Mask are indicated at the bottom of the screen.
④ Check if the LAN is properly connected.

When the LAN is properly connected:

IP Address : xxx.xxx.xxx.xxx
Subnet Mask : yyy.yyy.yyy.yyy
x and y: Any numeric value
Four blocks of numerical string delimited by dots

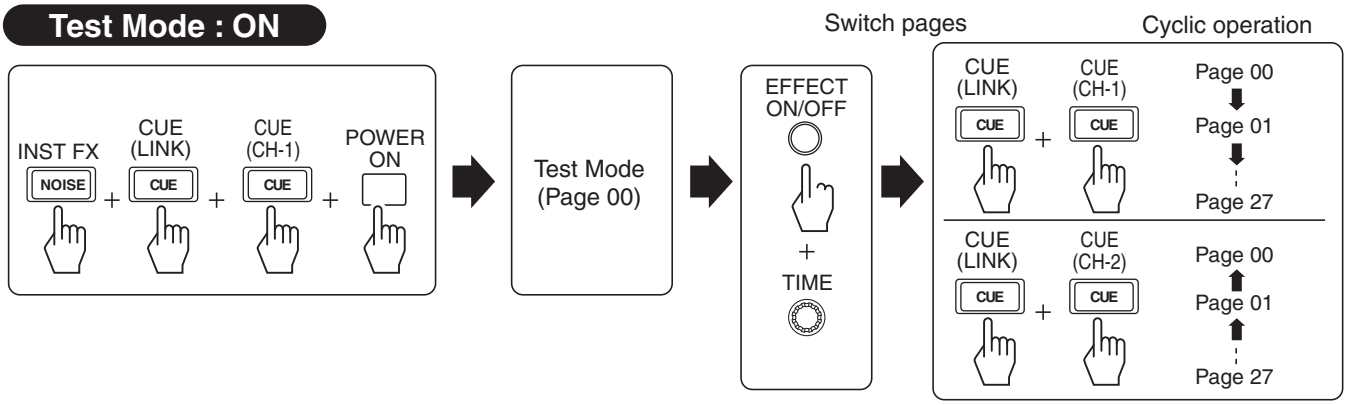
When the LAN is not properly connected:

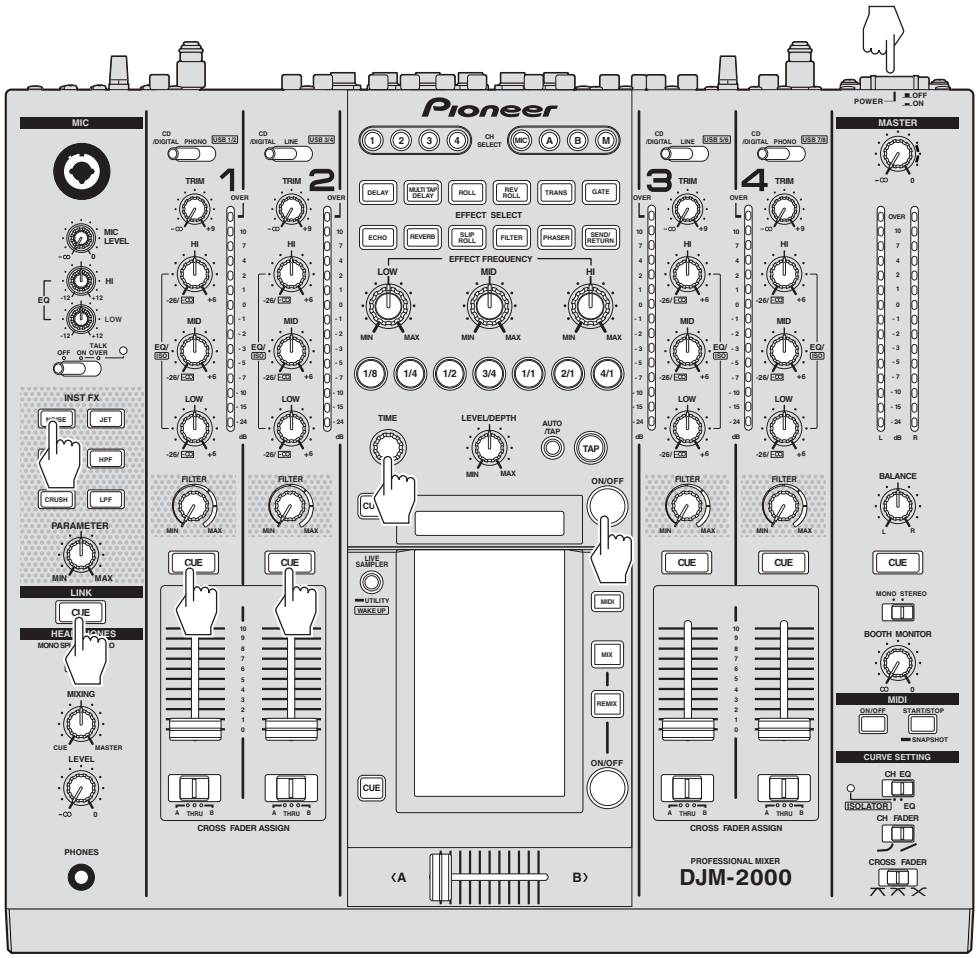
IP Address : can not get IP addr
Subnet Mask :

6. SERVICE MODE
6.1 TEST MODE

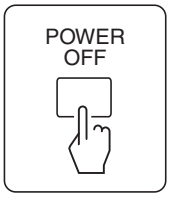
1. How to Enter and Cancel the Test Mode

Test Mode : ON





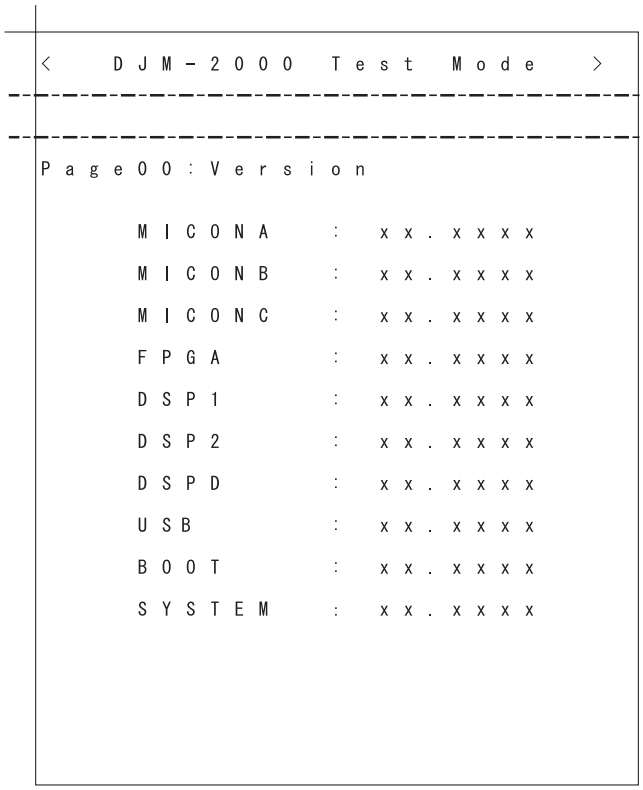
Test Mode: CANCEL



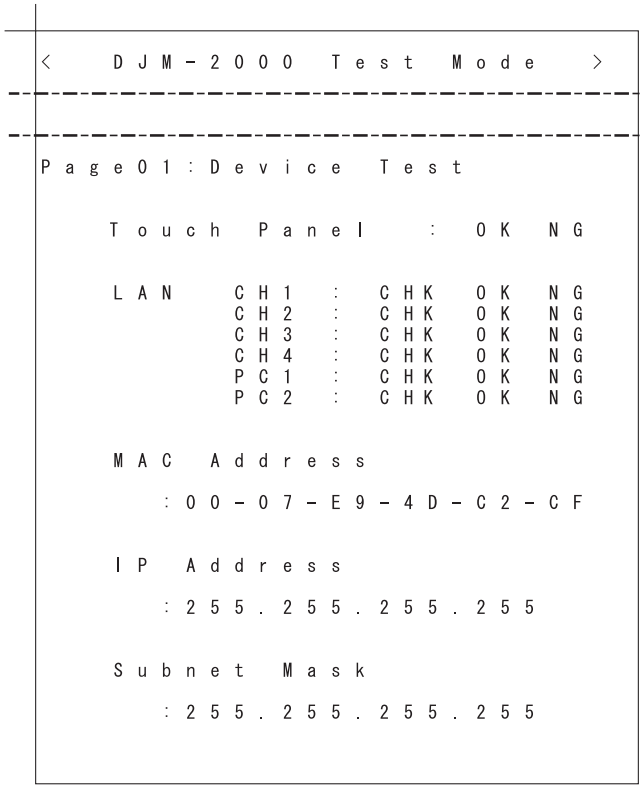
2. Types of Confirmation Mode

Page	Item Name	Mode Contents	Purpose
00	VERSION	Mode for displaying the version of the firmware.	Version confirmation of the firmware.
01	Device Test	Mode for displaying the device information.	Confirmation of the LAN connection state.
02	LED ALL ON	Mode for lighting all the LEDs and FL segments.	Operation check of the LED and FL.
03	LED ALL OFF	Mode for extinguishing all the LEDs and FL segments.	
04	KEY TEST(1)	Mode for indicating a pressed key.	Operation check of each key.
05	KEY TEST(2)	Mode for indicating a pressed key.	
06	KEY TEST(3)	Mode for indicating a pressed key.	
07	SWITCH TEST(1)	Mode for indicating the setting position of a switch.	Operation check of each switch.
08	SWITCH TEST(2)	Mode for indicating the setting position of a switch.	
09	VOLUME TEST (1)	Mode for indicating the level of a volume control.	Operation check of each volume.
10	VOLUME TEST (2)	Mode for indicating the level of a volume control.	
11	VOLUME TEST (3)	Mode for indicating the level of a volume control.	
12	VOLUME TEST (4)	Mode for indicating the level of a volume control.	
13	METER TEST	Mode for confirming lighting of the meter LEDs, one LED at a time.	Operation check of meter LED.
14	TOUCH PANEL TEST(1)	Calibration.	Calibration adjustment of the touch panel.
15	TOUCH PANEL TEST(2)	Mode for displaying the coordinate positions for the touch panel.	Operation check of the touch panel.
16	MAIN PANEL TEST	Confirmation of the display colors for the main panel (color bars).	Operation check of the LCD.
17	SUB PANEL TEST	Confirmation of the display colors for the subpanel (color bars).	
18	MAIN PANEL TEST	Confirmation of defective pixels (white) on the main panel.	
19	SUB PANEL TEST	Confirmation of defective pixels (white) on the subpanel.	
20	MAIN PANEL TEST	Confirmation of defective pixels (black) on the main panel.	
21	SUB PANEL TEST	Confirmation of defective pixels (black) on the subpanel.	
22	MAIN PANEL TEST	Confirmation of defective pixels (red) on the main panel.	
23	SUB PANEL TEST	Confirmation of defective pixels (red) on the subpanel.	
24	MAIN PANEL TEST	Confirmation of defective pixels (green) on the main panel.	
25	SUB PANEL TEST	Confirmation of defective pixels (green) on the subpanel.	
26	MAIN PANEL TEST	Confirmation of defective pixels (blue) on the main panel.	
27	SUB PANEL TEST	Confirmation of defective pixels (blue) on the subpanel.	

● Page 00 : Version

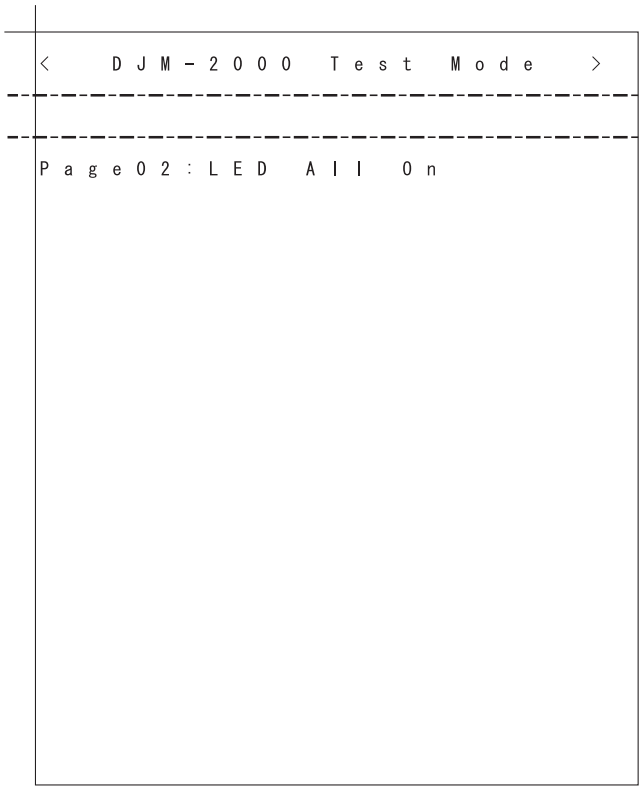


● Page 01 : Device Test

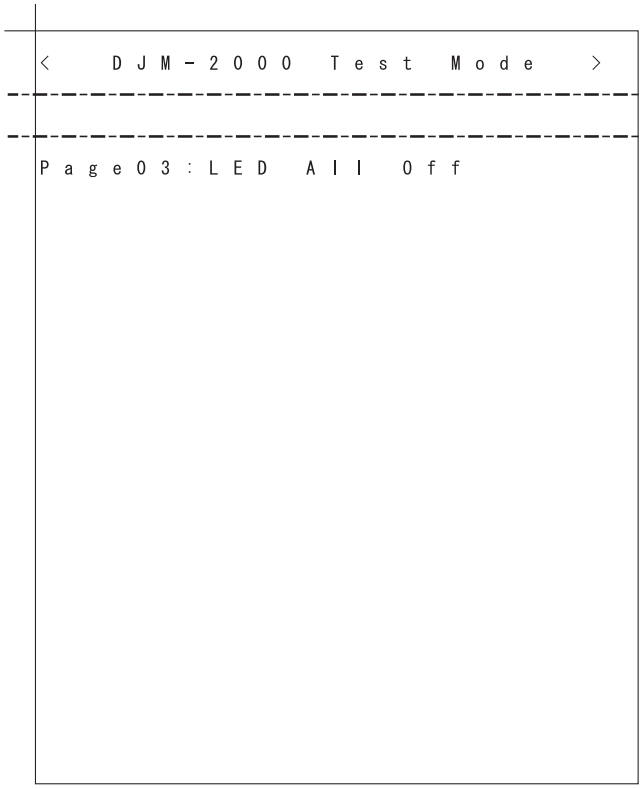


You can check the status of a device.
Touch Panel: Communication status between the microcomputer and the Touch Panel IC is displayed:
OK: Communication established, NG: Communication not established
LAN: The communication status between each LAN port and the connected device is displayed. For details on usage, see “5.4 CONNECTION CHECK WITH EACH INTERFACE.”

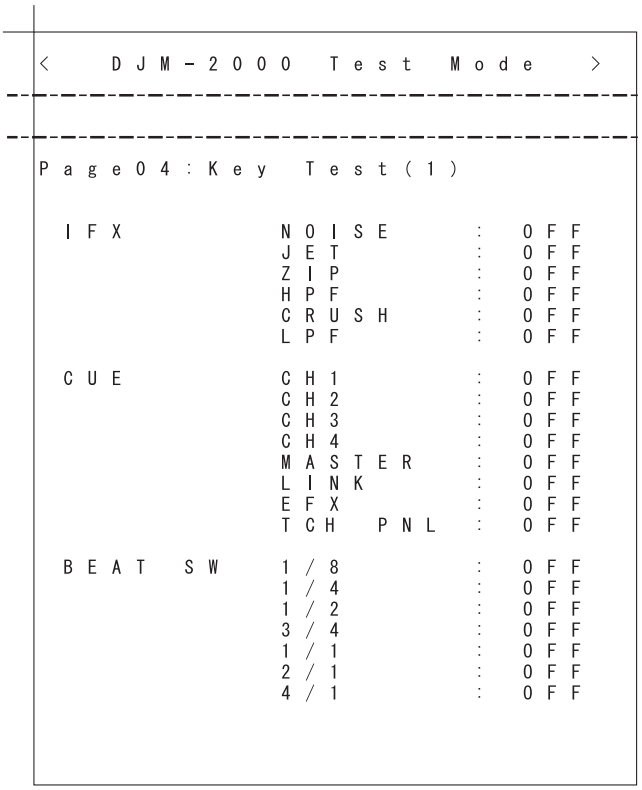
● Page 02 : LED All On



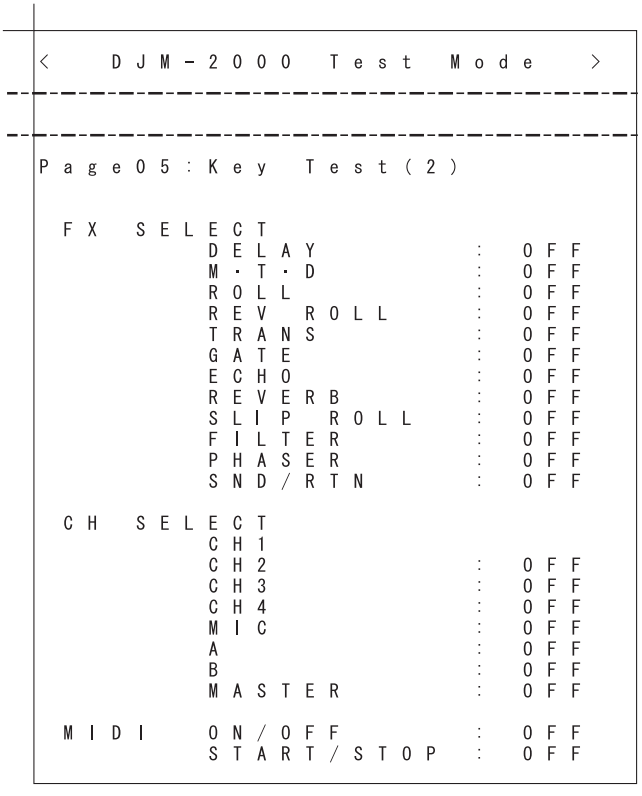
● Page 03 : LED All Off



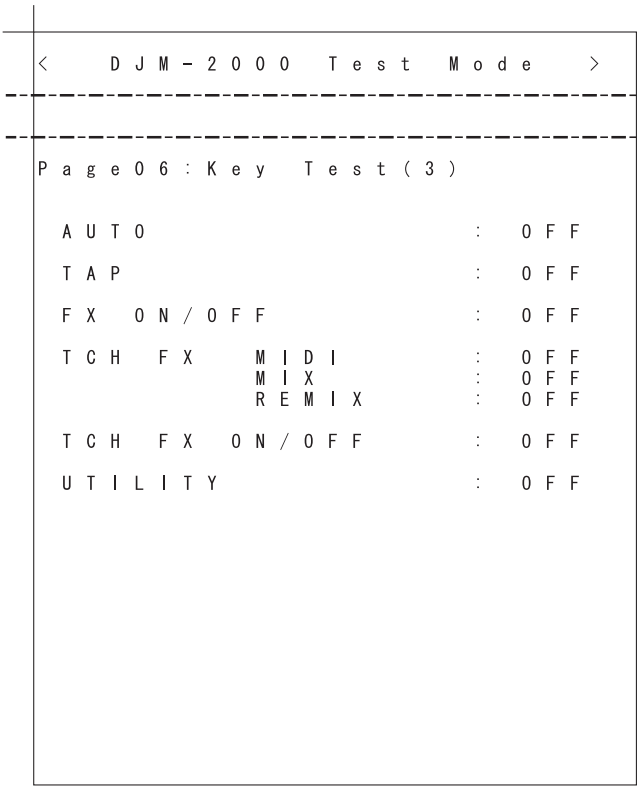
● **Page 04 : Key Test (1)**



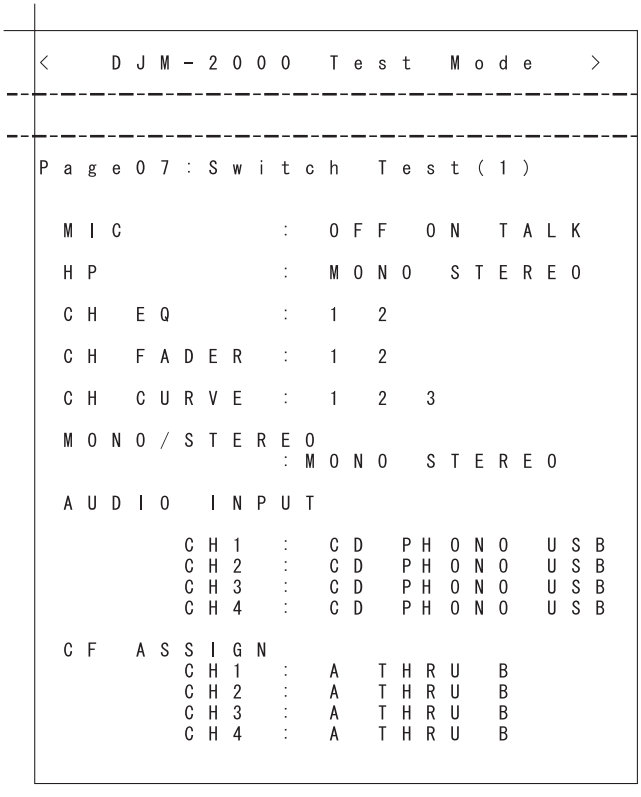
● **Page 05 : Key Test (2)**



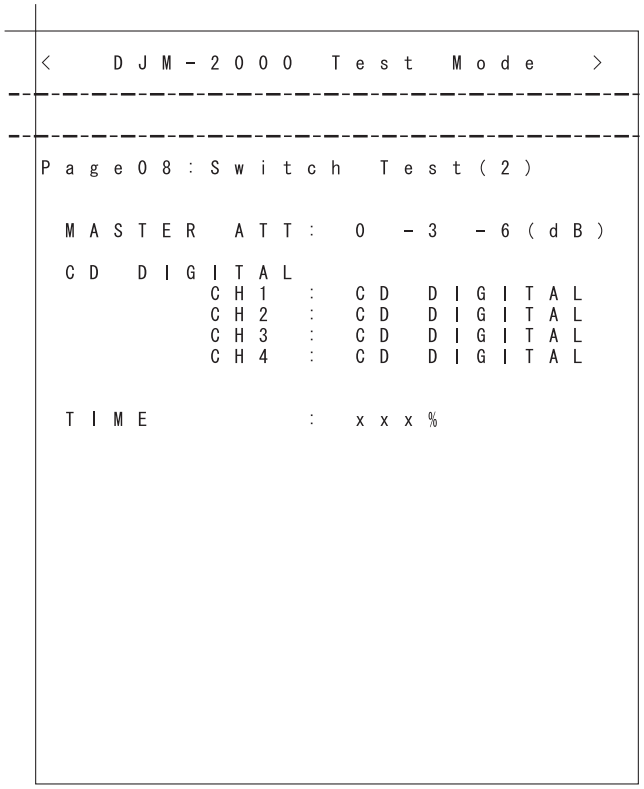
● **Page 06 : Key Test (3)**



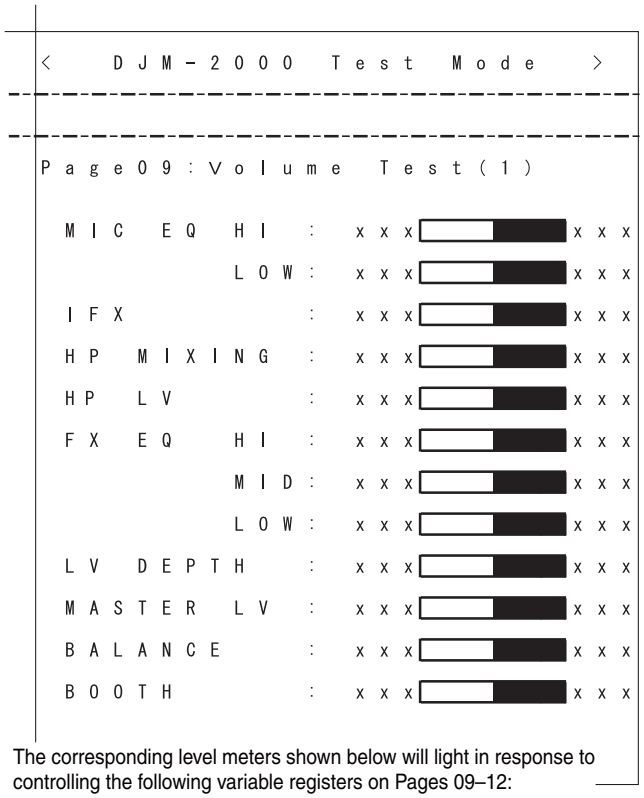
● **Page 07 : Switch Test (1)**



● Page 08 : Switch Test (2)



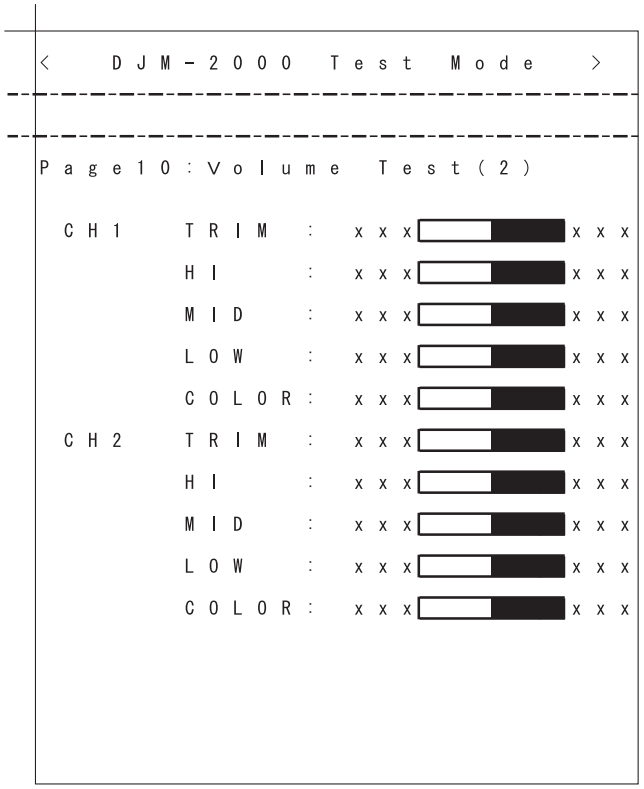
● Page 09 : Volume Test (1)



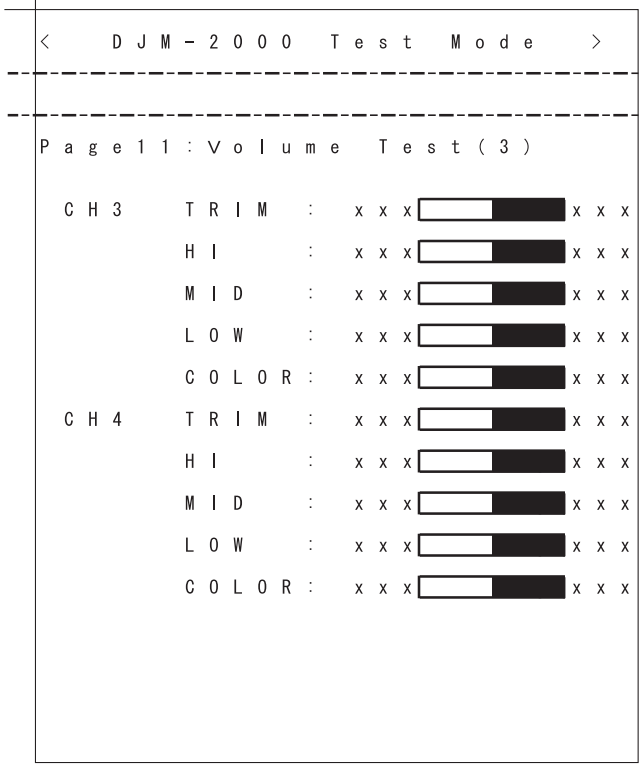
The corresponding level meters shown below will light in response to controlling the following variable registers on Pages 09–12:

VR	Level meters
CH1 fader	CH1
CH2 fader	CH2
CH3 fader	CH3
CH4 fader	CH4
BALANCE	MASTER L
BOOTH MONITOR	MASTER R

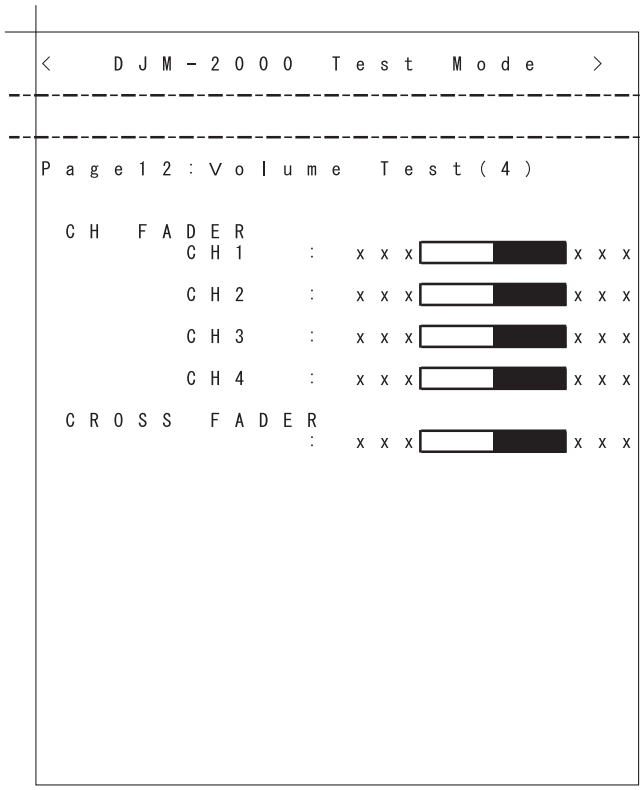
● Page 10 : Volume Test (2)



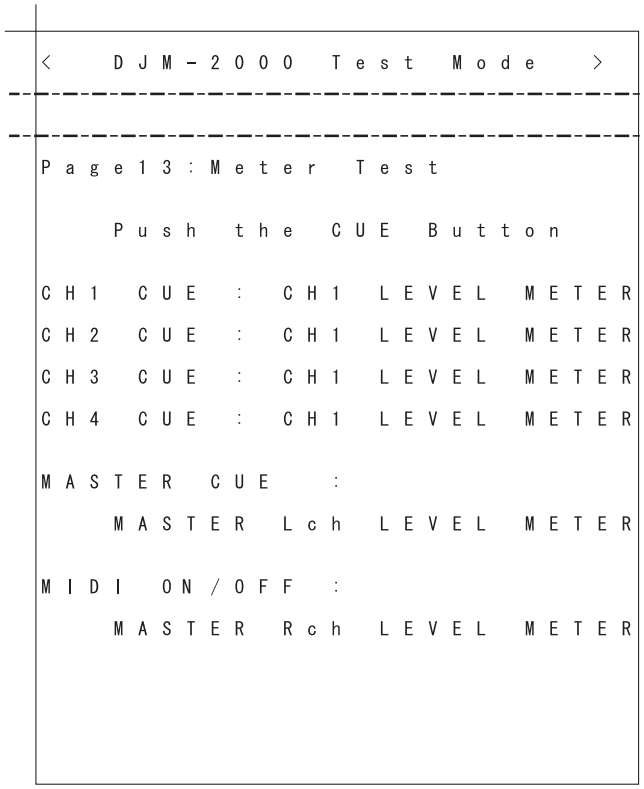
● Page 11 : Volume Test (3)



● Page 12 : Volume Test (4)

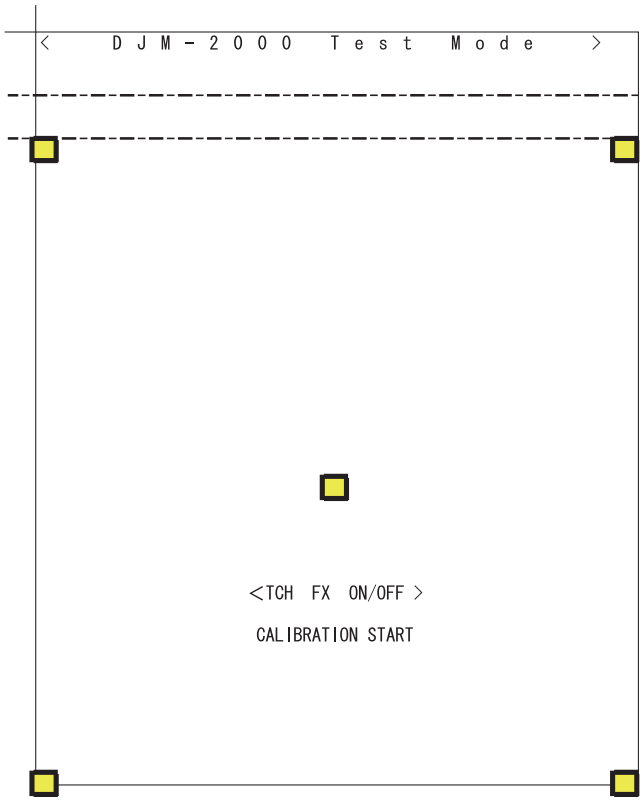


● Page 13 : Meter Test

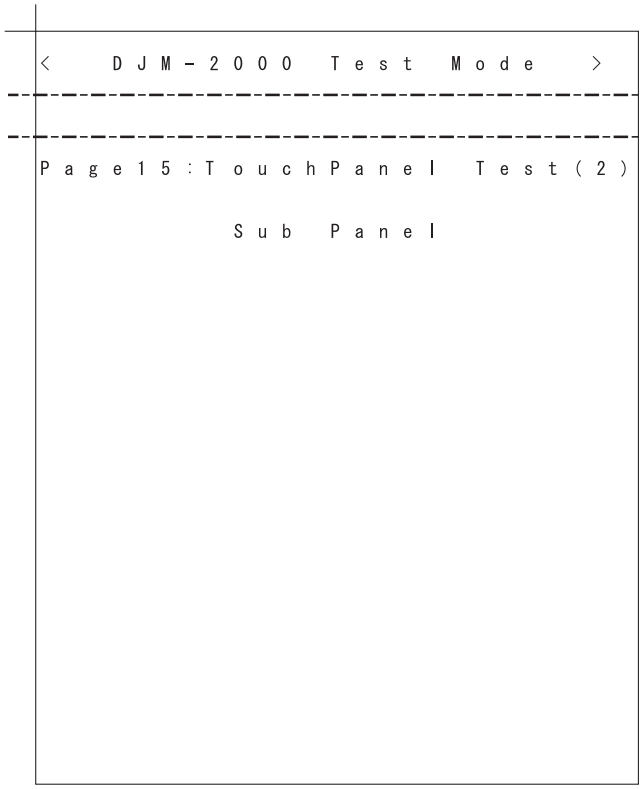


Each time the CUE key is pressed, the meter LEDs for each channel light one by one from the bottom. At first, all the LEDs are unlit.
If the CUE key is pressed after it was pressed 15 times (when the top LED is lit), all the LEDs become unlit again.
Then the same steps can be repeated.

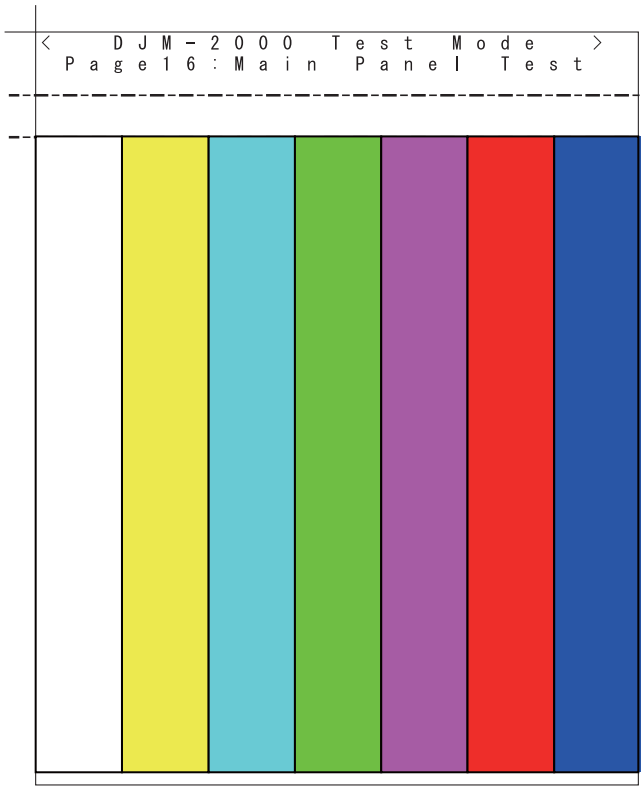
● Page 14 : TouchPanel Test (1) (Calibration)



● Page 15 : TouchPanel Test (2)

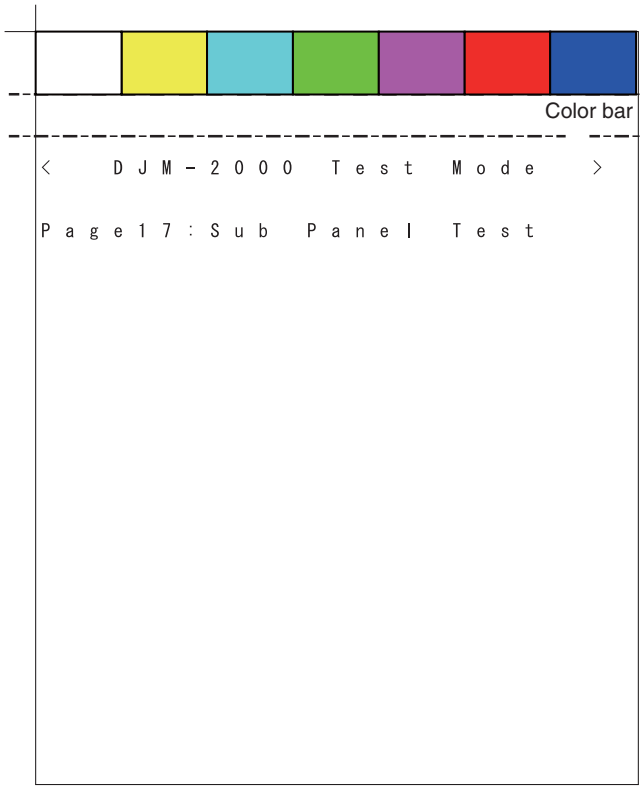


● Page 16 : Main Panel Test

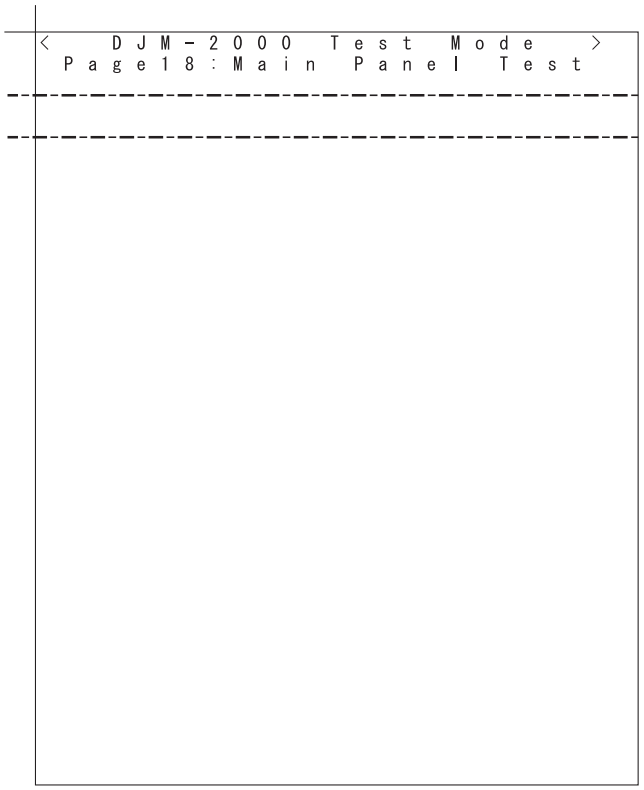


Color bar

● Page 17 : Sub Panel Test

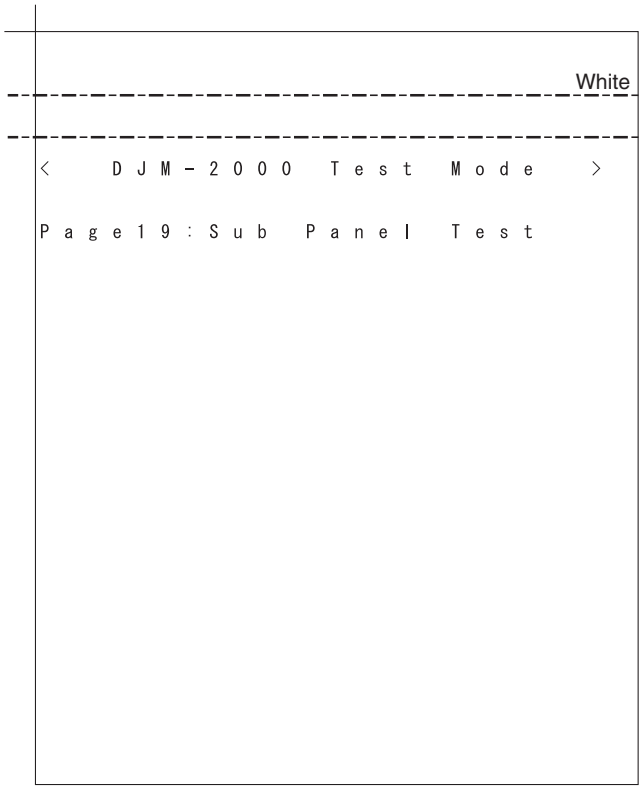


● Page 18 : Main Panel Test

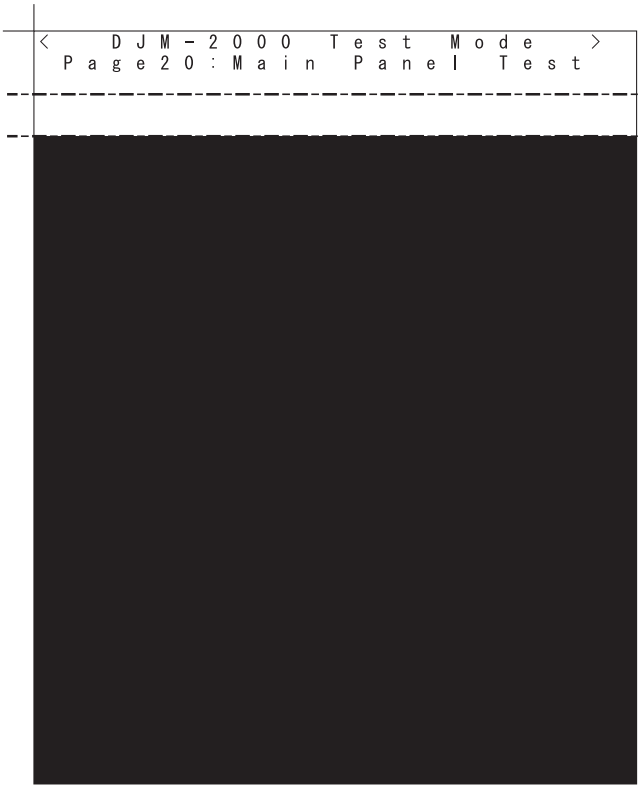


White

● Page 19 : Sub Panel Test

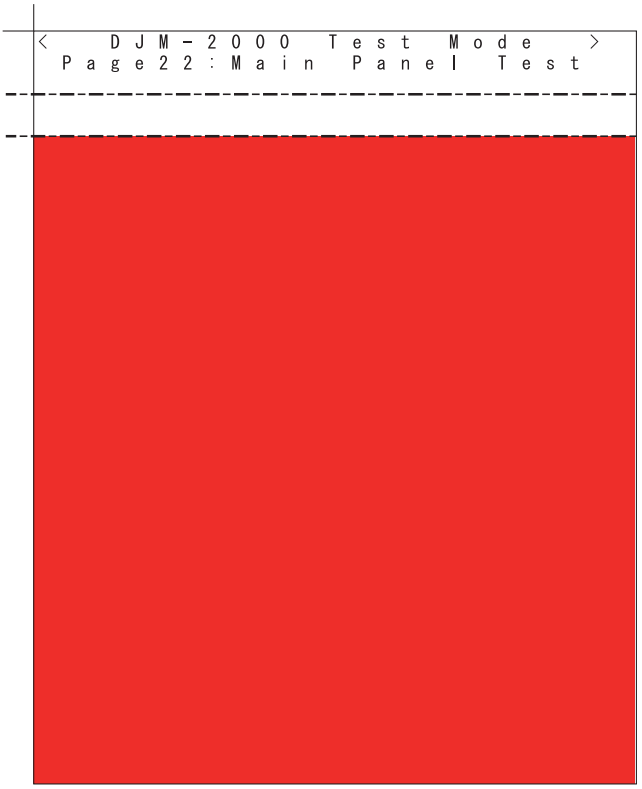


● **Page 20 : Main Panel Test**



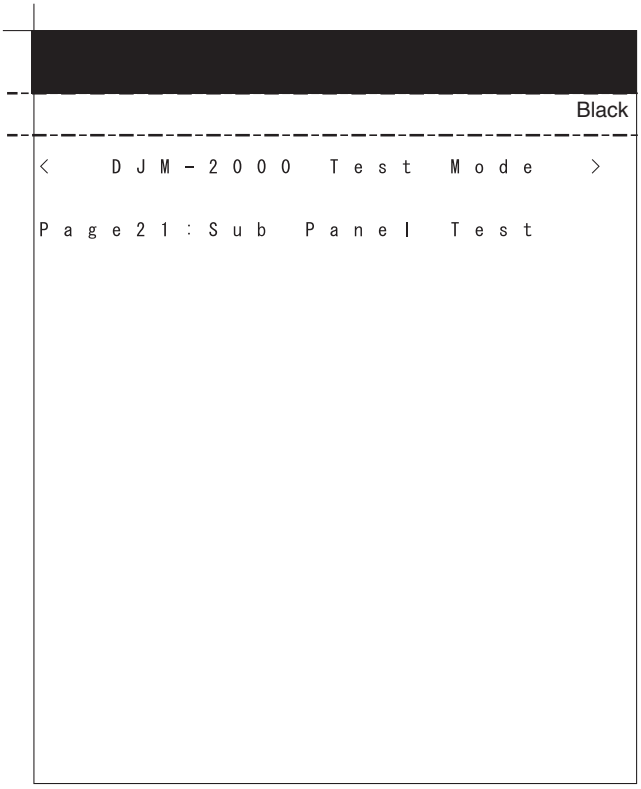
Black

● **Page 22 : Main Panel Test**

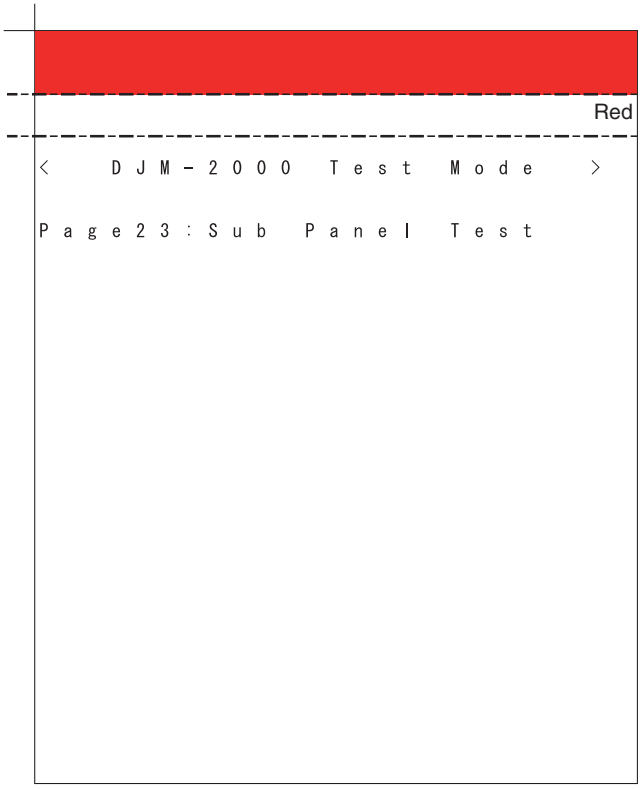


Red

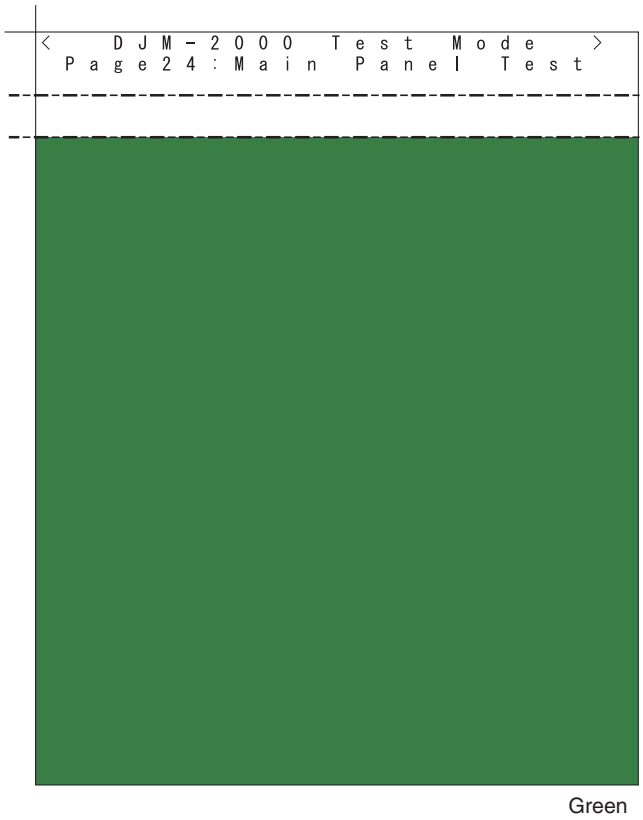
● **Page 21 : Sub Panel Test**



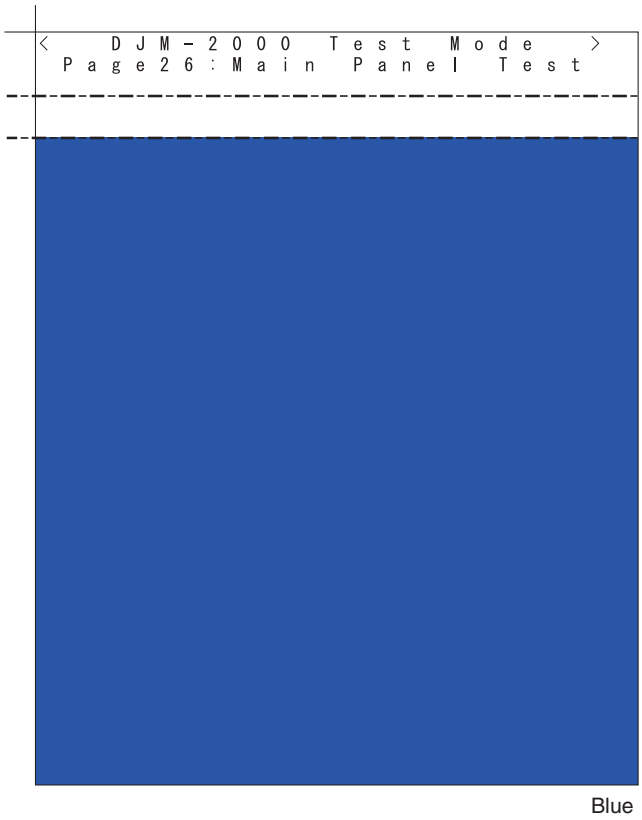
● **Page 23 : Sub Panel Test**



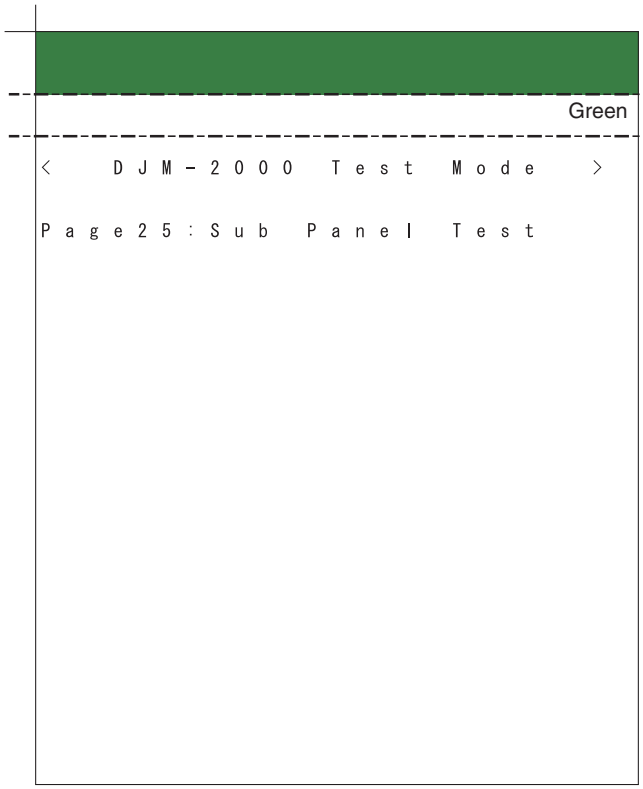
● Page 24 : Main Panel Test



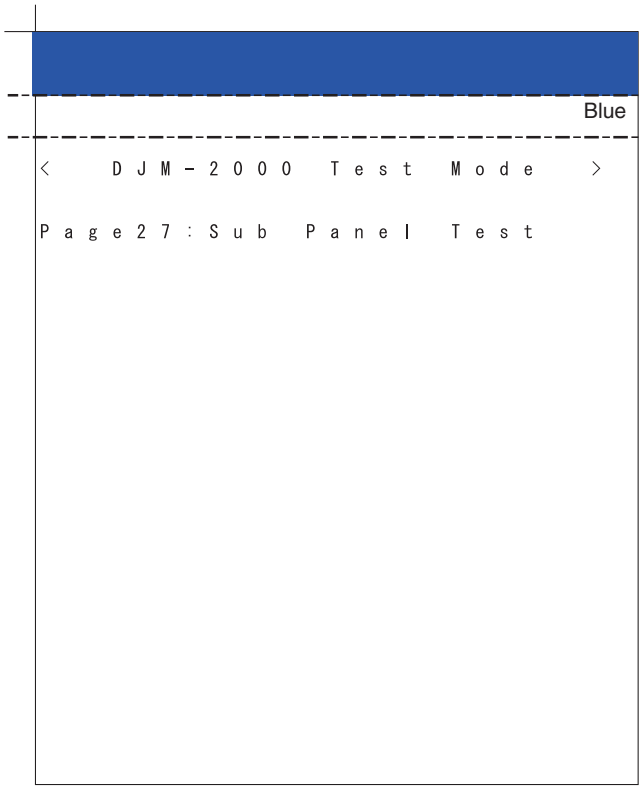
● Page 26 : Main Panel Test



● Page 25 : Sub Panel Test



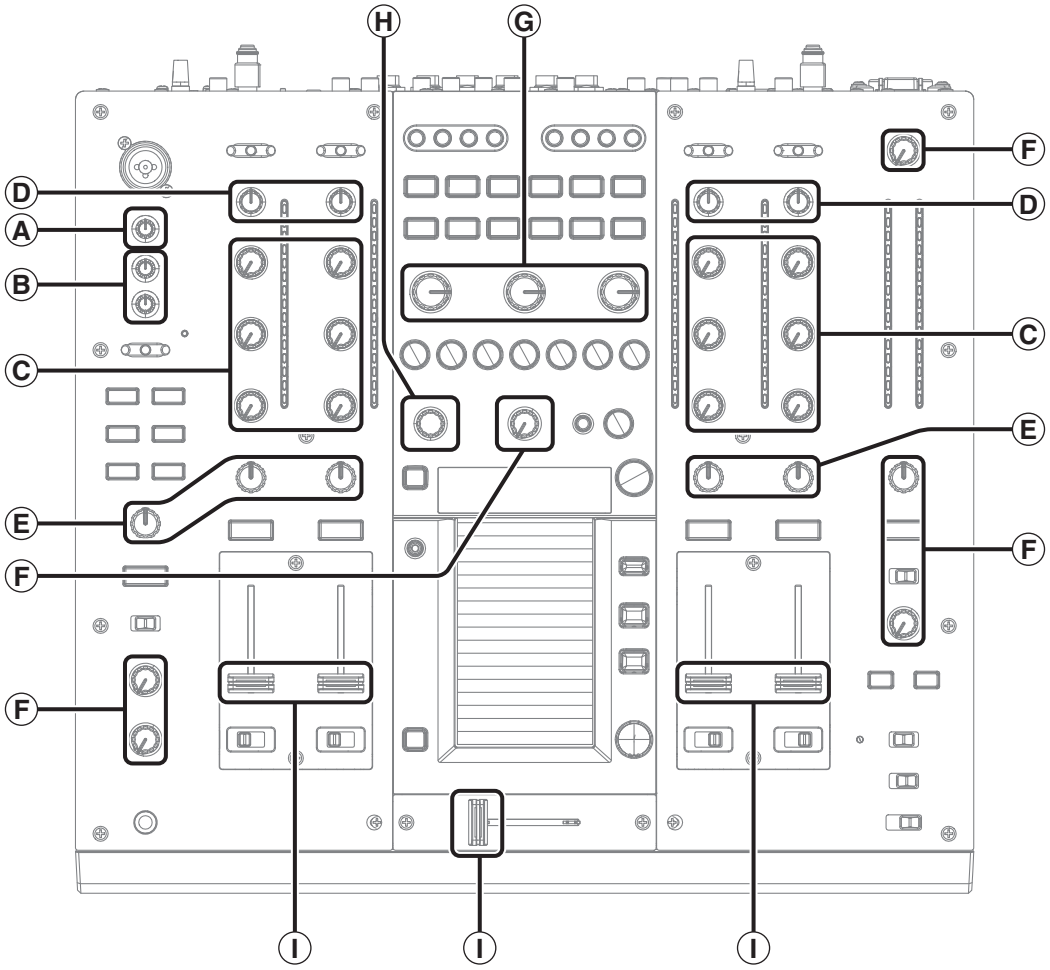
● Page 27 : Sub Panel Test



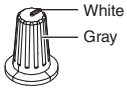
7. DISASSEMBLY

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

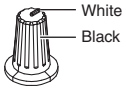
Knobs and Volumes Location



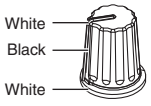
Ⓐ Rotary SW Knob S (B) (DAA1178)



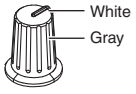
Ⓑ Rotary SW Knob S (A) (DAA1177) ×2



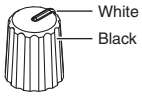
Ⓒ Rotary SW Knob (B) (DAA1176) ×12



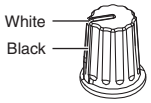
Ⓓ Rotary SW Knob S (C) (DAA1204) ×4



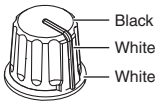
Ⓔ Knob (RES) (DAA1250) ×5



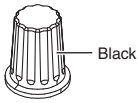
Ⓕ Rotary Knob (BN) (DAA1220) ×6



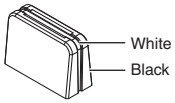
Ⓖ Knob (FREQUENCY) (DAA1253) ×3



Ⓗ Rotary SW Knob (C) (DAA1180)



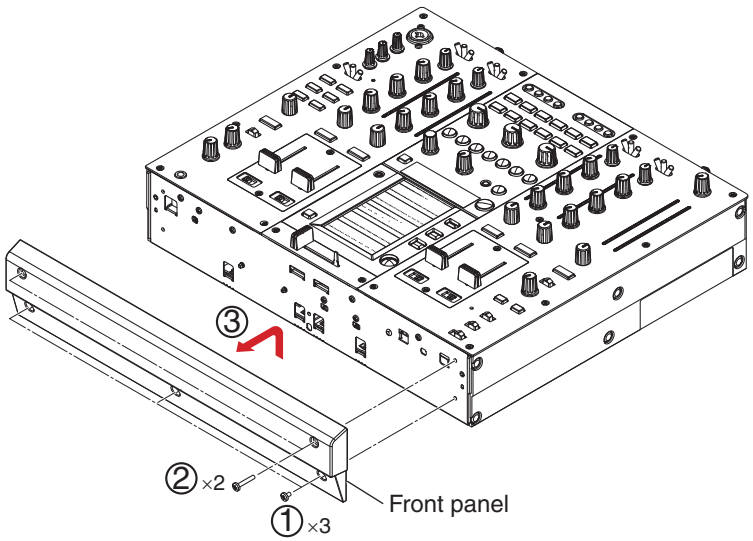
Ⓘ Slider Knob (DAC2501) ×5



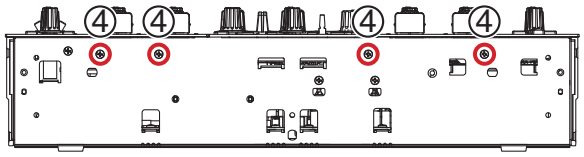
Disassembly

[1] Control Pane Section

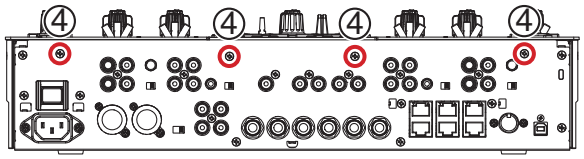
(1) Remove the three screws. (BCZ40P060FTB)
(2) Remove the two screws. (BSZ40P220FTB)
(3) Remove it to the front direction while lifting front panel on the top.



(4) Remove the eight screws. (BBZ30P060FTB)

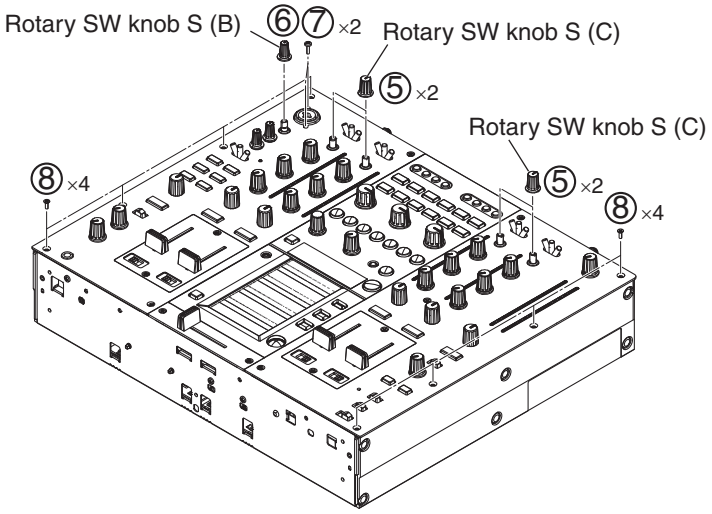


• Front view



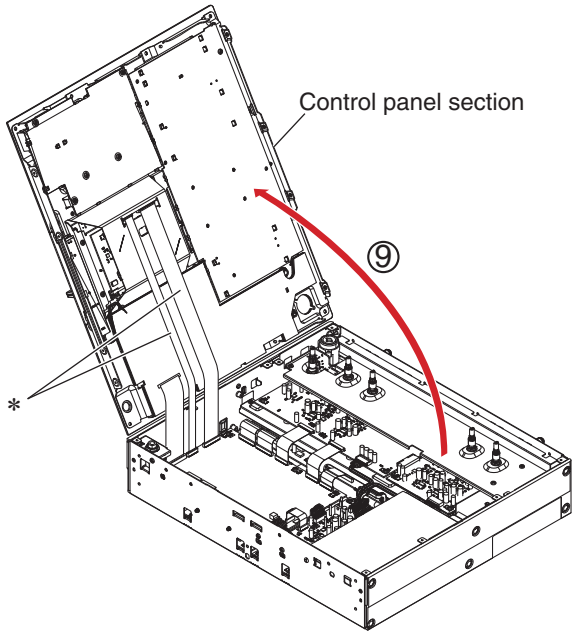
• Rear view

(5) Remove the four rotary SW knobs S (C).
(6) Remove the rotary SW knob S (B).
(7) Remove the two screws. (BPZ30P100FTB)
(8) Remove the eight screws. (CCZ30P080FTB)



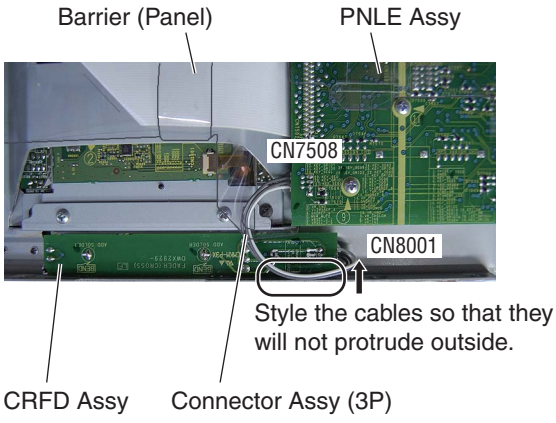
(9) Remove the control panel section.

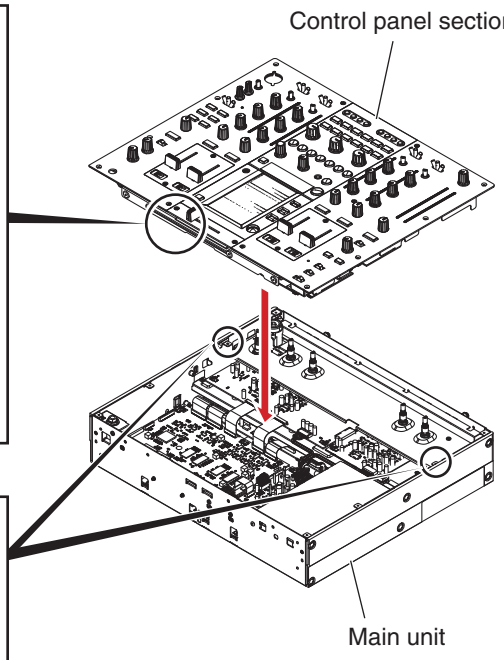
Note ∗:
The flexible cables between the TFTB Assy and MAIN Assy do not have redundant length.
When detaching the control panel section,
be careful not to pull out or damage the flexible cables.



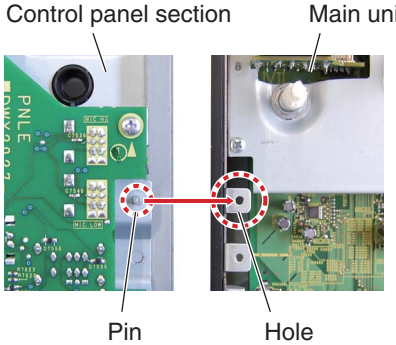
• Note on Reassembly

When attaching the control panel section to the main unit, make sure that the cables of the Connector Assy (3P), shown in the figure below, will not be pinched between the edges of the two sections of the housing when closing it.



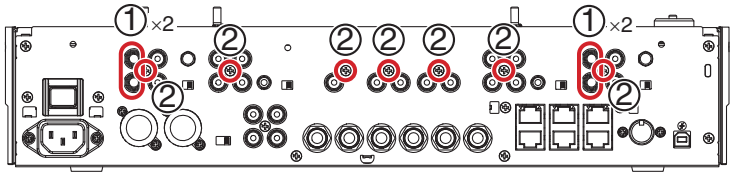


During reassembly, align the pin on the control panel with the hole of the main unit for proper alignment.



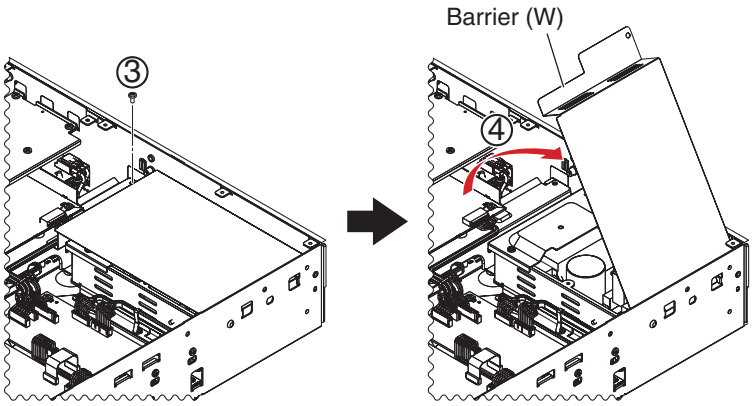
[2] AIN1 and AIN2 Assy

(1) Disconnect the four short pin plugs.
(2) Remove the seven screws. (BPZ30P080FTB)

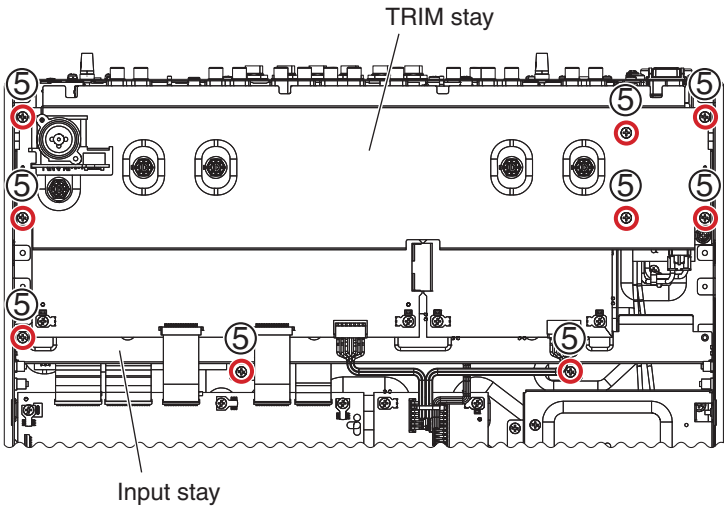


• Rear view

(3) Remove the screw. (BBZ30P060FTC)
(4) Lift up the barrier (W) to a front direction.

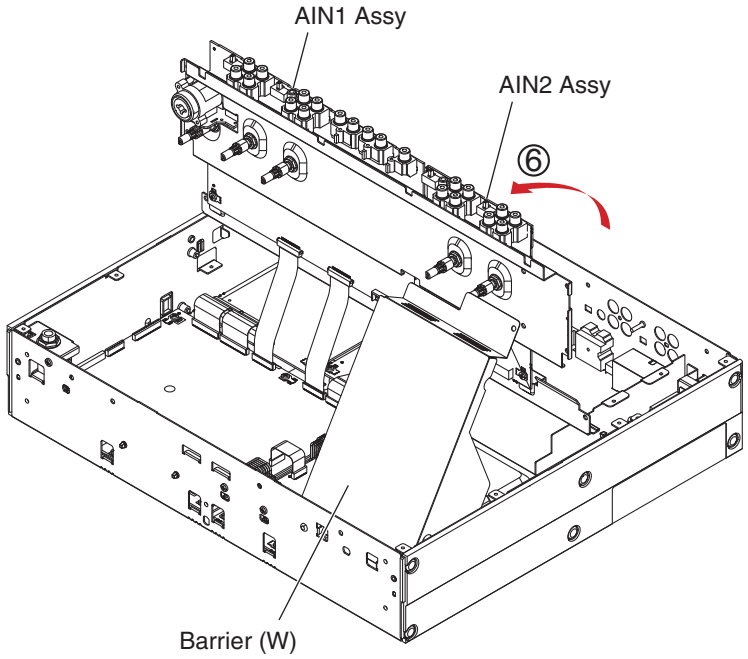


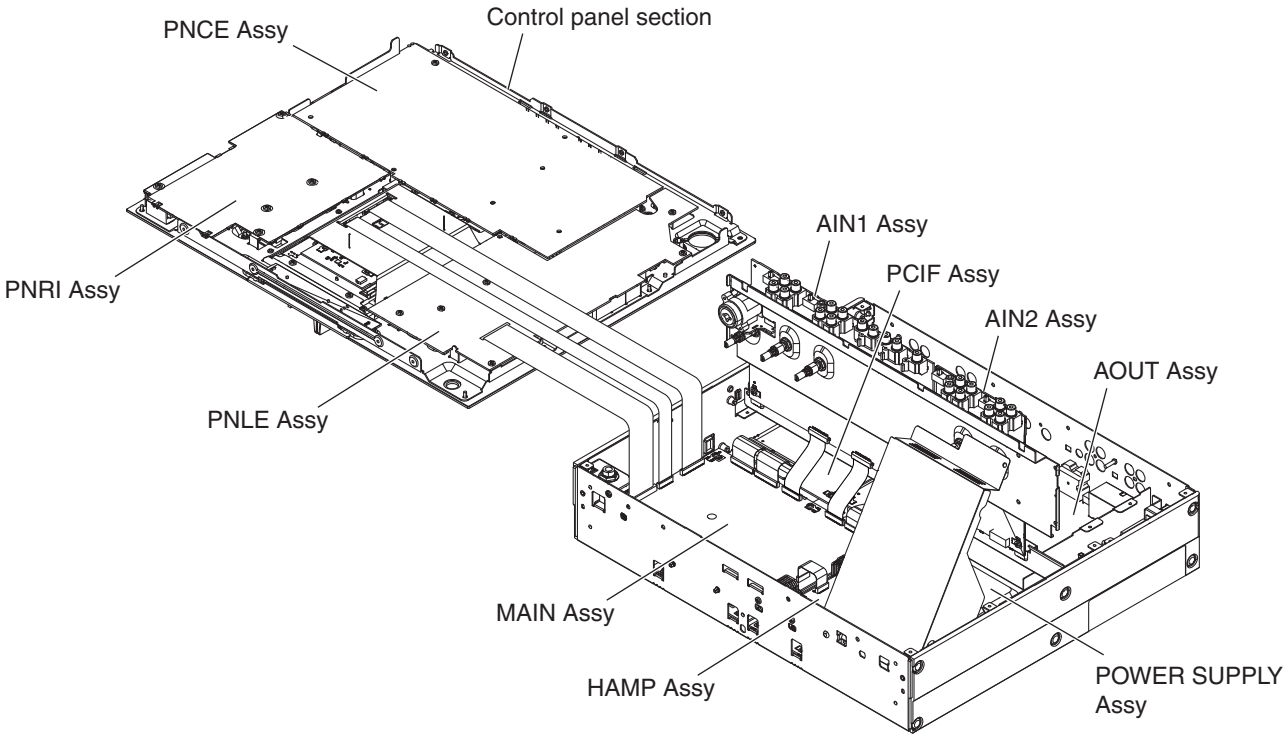
(5) Remove the nine screws. (BBZ30P060FTC)



(6) Lift up the AIN1 and AIN2 Assemblies to a front direction.

Diagnosis

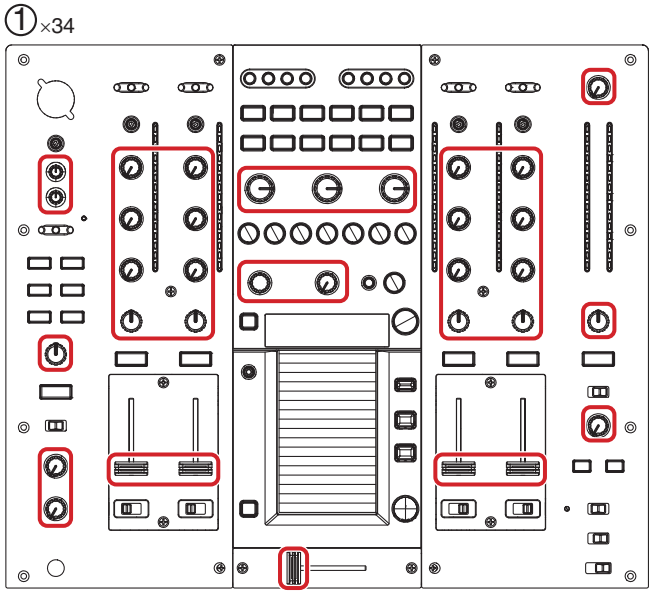




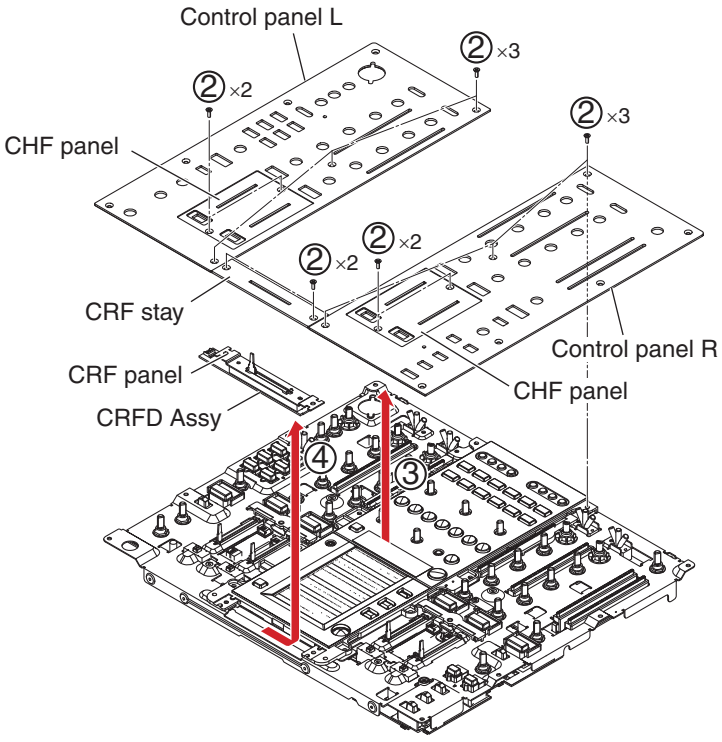
[3] LCD and Touch Panel

[3-1] Control panel

(1) Remove the all knobs.

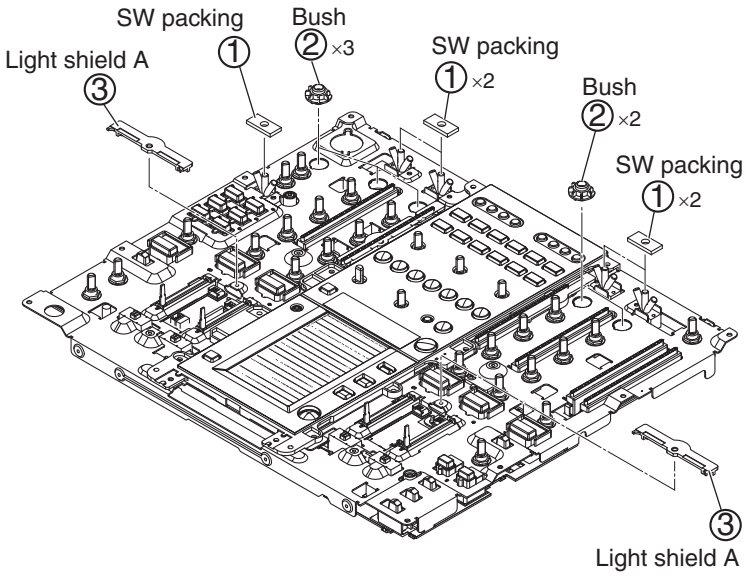


(2) Remove the 12 screws. (CCZ30P080FTB)
(3) Remove the Control panel L, R, CHF panel and CRF panel.
(4) Remove the CRF stay with CRFD Assy.

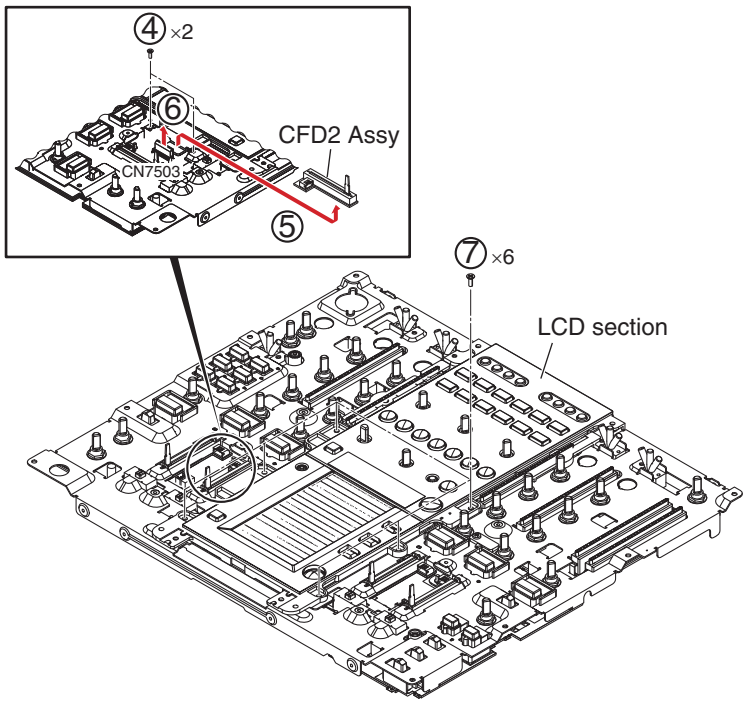


[3-2] LCD section

(1) Remove the five SW packings.
(2) Remove the five bushes.
(3) Remove the two light shields A.



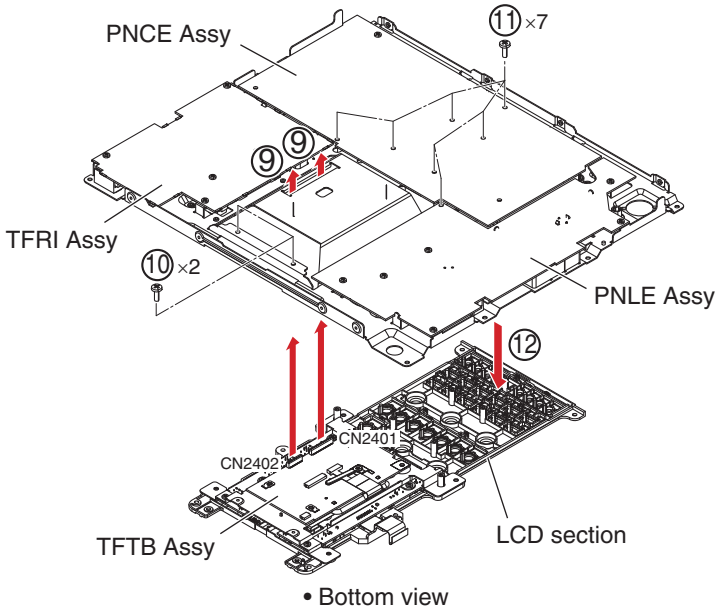
(4) Remove the two screws. (PMA20P040FTC)
(5) Remove the CFD2 Assy.
(6) Disconnect the flexible cable.
(7) Remove the six screws. (BBZ30P060FTC)



(8) Reverse the control panel section.
(9) Disconnect the two flexible cables.
(10) Remove the two screws. (BBZ30P060FTC)
(11) Remove the seven screws while holding LCD section. (BPZ30P080FTB)

Note: Be careful to falls of LCD section.

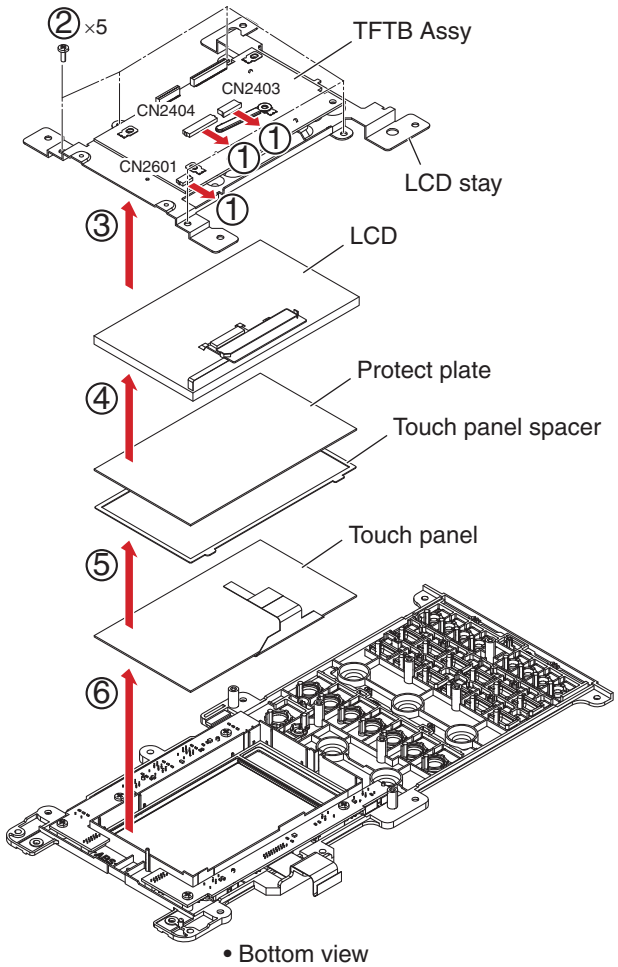
(12) Remove the LCD section.



• Bottom view

[3-3] LCD and Touch panel

(1) Disconnect the three flexible cables.
(2) Remove the five screws. (BPZ30P080FTB)
(3) Remove the LCD stay with TFTB Assy.
(4) Remove the LCD.
(5) Remove the protect plate and touch panel spacer.
(6) Remove the touch panel.



• Bottom view

8. EACH SETTING AND ADJUSTMENT

8.1 NECESSARY ITEMS TO BE NOTED

It is recommended that you take note of the setting data before starting repair.
Use “8.6 SHEET FOR CONFIRMATION OF THE USER SETTINGS” for taking notes.

Before repairing, be sure to check the version of the firmware (using “Page00: Version” of Test mode), and if it is not the latest one, update to the latest version.

Perform the each item when the following parts are replaced.

• MAIN Assy (Flash ROM)	⇒	• Confirmation of the version of the firmware • Updating to the latest version of the firmware
• PCIF Assy	⇒	• Confirmation of the version of the firmware (USB) • Updating to the latest version of the firmware
• EEPROM (IC2003) on the PCIF Assy	⇒	• Writing of the program (USB firmware) in Checker mode (See 8.3.) • Updating to the latest version of the firmware
• Touch Panel	⇒	• Calibration Adjustment (See 8.4.)

8.2 UPDATING OF THE FIRMWARE

<Prerequisite>

The network settings for the PC to be used for updating must be DHCP or Auto IP.

<Procedures>

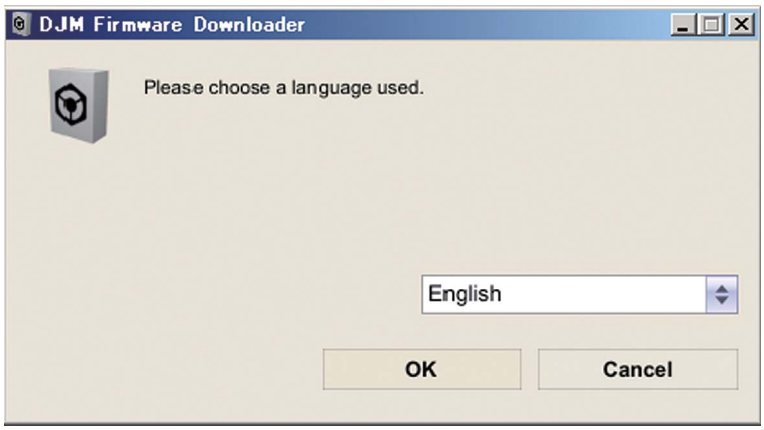
1. Download the folder for updater files to the PC, via the Internet.
   Folder name: DJM2000_Ver0.00.zip (“0.00” represents the version)

2. Unzip the downloaded folder.
   The following two files are unzipped:
   DJM2000_Vero.oo.upd
   DJM2000_Update0.00.exe (Updater application)

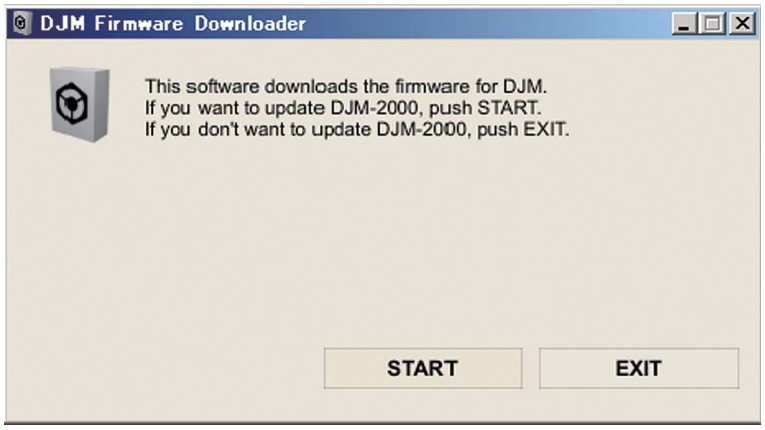
3. Disconnect the PC from the network then connect it with the DJM-2000.
   Note: Directly connect the PC and DJM-2000, using a LAN cable. Either a straight or cross LAN cable can be used.

4. Start up the DJM-2000 in Update mode.
∗: Turn the POWER switch ON while holding the BEAT EFFECT ON/OFF and TOUCH PANEL EFFECT ON/OFF.

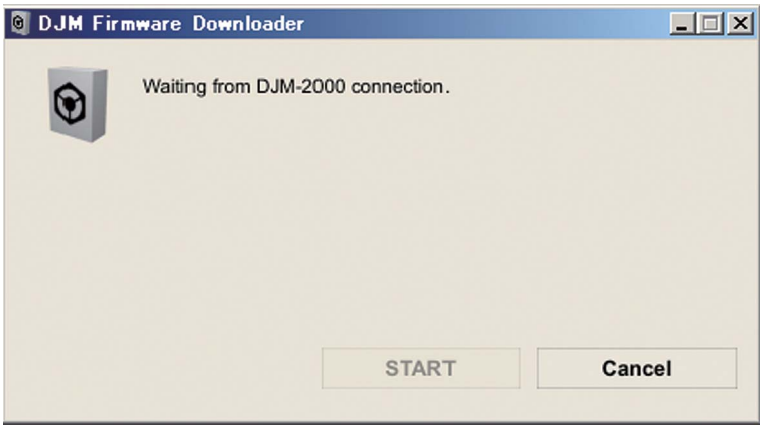
5. Start the DJM2000Update0.00.exe file then select the language to be used during the updating process.



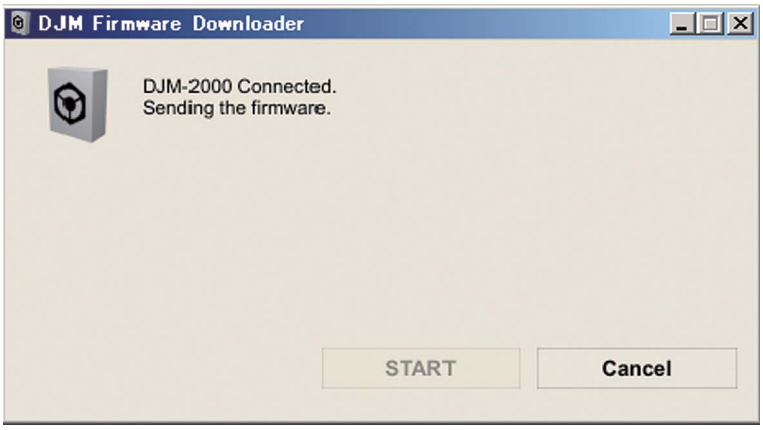
6. To update the firmware, click on “Start.”



7. A standby screen for connection with the DJM-2000 will be displayed.
   *It may take 1 minute or longer before connection is established.



8. After connection is successfully established, updating of the firmware of the DJM-2000 will be executed automatically.



9. After updating is completed, a completion message will be displayed in the dialog box. After checking that 100% is displayed on the DJM-2000, click on OK. Restart the DJM-2000.

<If an Error is Generated>

An error may be generated while updating of the application is in progress, for the reasons described below.
If an error is generated, perform the above procedures again.

- The updater application is started on the PC without a network environment.
- The updater files cannot be found.
- Communication is interrupted during updating, because of a defective LAN cable, etc.

<Reference>

In a case of the Auto IP setting in a Windows environment, it may take 1 minute or longer until the network communication is established after the DJM-2000 is connected with the PC. In such a case, the current status can be confirmed on the Windows PC.

1. When the DJM-2000 is not connected with the PC

2. When the DJM-2000 that is started in Update mode is connected with the PC via a network cable

Network communication has not been established yet. Updating of the firmware of the DJM-2000 cannot be executed even if the updater application is started.
Note: After the network cable is disconnected, the indication will return to 1.

3. When an IP address is assigned with Auto IP

Updating of the firmware of the DJM-2000 can be executed by starting the updater application.

8.3 WORK REQUIRED AFTER THE EEPROM IS REPLACED

■ Work Required after the EEPROM (IC2003) on the PCIF Assy is Replaced

As no program has been written in the EEPROM for service (blank ROM), the USB firmware must be written in it after replacement, to be performed in Checker mode.

Perform the corresponding procedures, according to the conditions indicated below.
- When the version of the firmware (USB) has not been updated: Operations in ①.
- When the version of the firmware (USB) has been updated: Operations in ① and ②.

● **Preconditions**

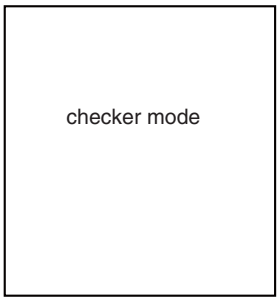
All the PC boards must be connected properly to the unit.
Connect the PC and the DJM-2000 via LAN then start up the application for updating in the same manner as in a case of usual updating.

①

● **Operation**

Start up Checker mode of the main unit by setting the POWER switch to ON while holding the INST FX NOISE, LINK CUE, and CH2 CUE buttons pressed.

● **LCD indication**



● **Operation**

Hold the MIDI, REMIX, and MIX buttons pressed for at least 2 seconds.

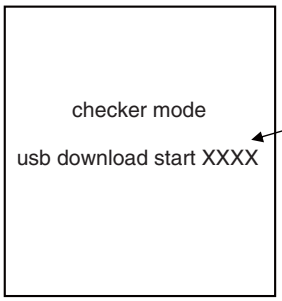
[Pin 4 of IC1601
(PA4 general-purpose port)]

<During updating>

Low output

[LCD indication]

<During updating>

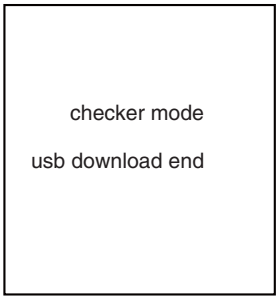


The file size of the updated data for the TUSB3200 is indicated.

<When updating is completed>

High output

<When updating is completed>



②

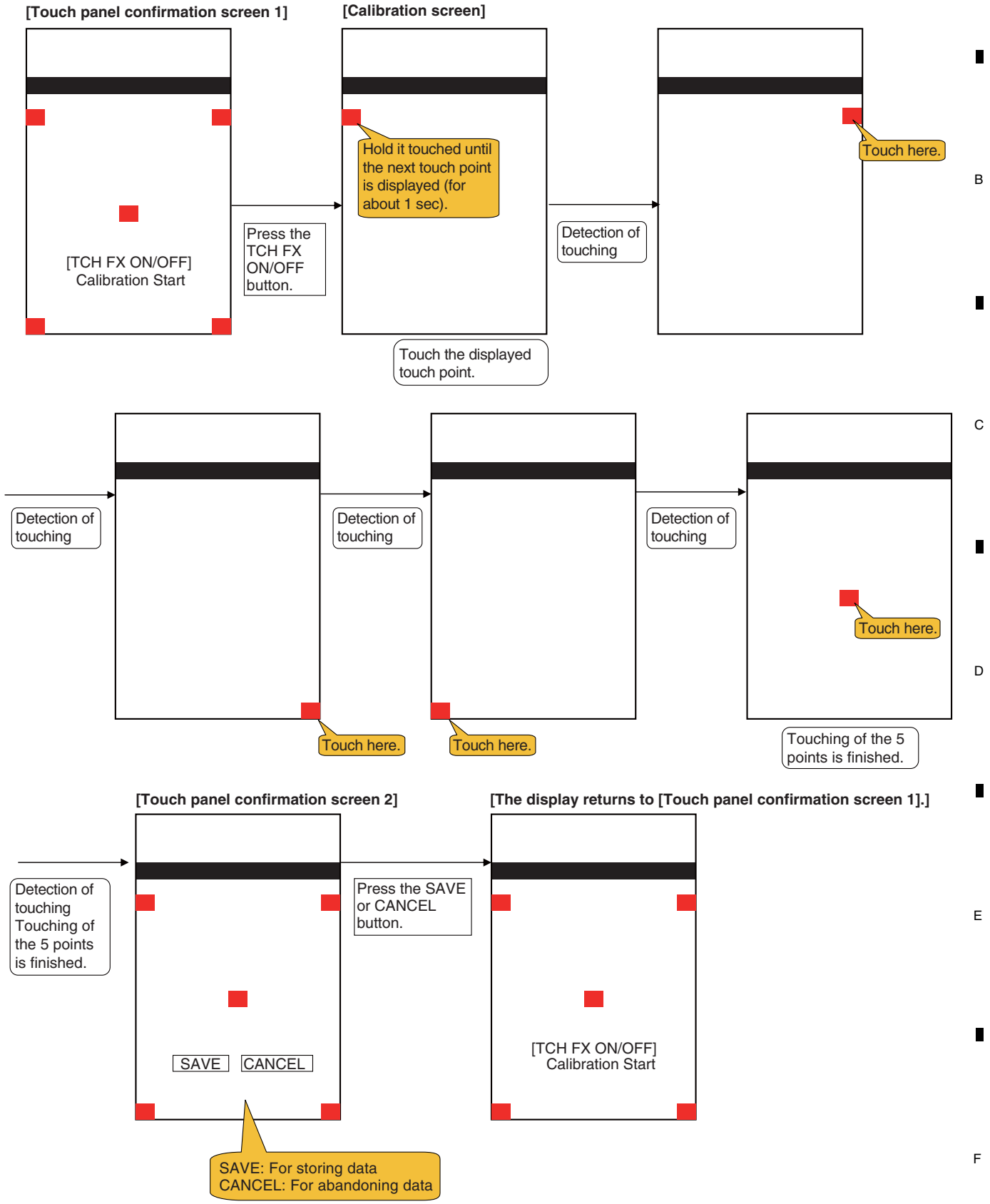
● **Additional Operation**

Additional updating procedures are required in order to keep up to the latest version.
Activate Updating mode, download the First-edition firmware file (DJM2000_vXXX.upd), then perform updating. Then reactivate Update mode, download the latest version of the update file (DJM2000_vZZZ.upd), then update the version. Confirm that the version of USB firmware has become the latest one in Test mode (Page00: Version) then terminate.

8.4 CALIBRATION ADJUSTMENT

Perform the calibration adjustment after the Touch Panel (DSX1081) is replaced.
Enter the Test mode, then perform the following adjustment on page 14. (Refer to "6.1 TEST MODE.")

● **Page 14**



8.5 USER SETABLE ITEMS

The following data have been set in each IC.

Item for Which User's Setting is Available		Setting Value (The factory default settings are indicated in bold.)	Part No.	Part Name	Ref No.	Assy	Content to be Stored
USER SETUP	MIDI CHANNEL(ZONE1)	1 to 16 (**1**)	DYW1790	Flash ROM	IC1703	MAIN	UTILITY setting
	MIDI CHANNEL(ZONE2)	1 to 16 (**2**)					
	LCD BACK LIGHT	1 to 5 (**3**)					
CLUB SETUP	DIGITAL OUT MAX LEVEL	**-19 dB**, -15 dB, -10 dB, -5 dB					
	DIGITAL SAMPLING RATE	48 kHz, **96 kHz**					
	AUTO STANDBY	**ON**/OFF					
	OUTPUT TO BOOTH MONITOR	**ON**/OFF					
	TALK OVER THRESHOLD LEVEL	-25 dB, -20 dB, **-15 dB**, -10 dB					
	TALK OVER LEVEL	-25 dB, **-20 dB**, -15 dB, -10 dB					
	TOUCH PANEL	Set it individually.					

8.6 SHEET FOR CONFIRMATION OF THE USER SETTING

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

USER SET UP

*ZONE1 and ZONE2 must not have the same value settings.

ZONE1

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

ZONE2

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

LCD

1 2 3 4 5

CLUB SET UP

SYSTEM

DIGITAL OUT MAX LEVEL

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

DIGITAL SAMPLING RATE

48 kHz	96 kHz

AUTO STANDBY

ON	OFF

MIC

OUTPUT TO BOOTH MONITOR

ON	OFF

TALK OVER THRESHOLD LEVEL

-25 dB	-20 dB	-15 dB	-10 dB

TALK OVER LEVEL

-25 dB	-20 dB	-15 dB	-10 dB

TOUCH PANEL

Perform calibration.

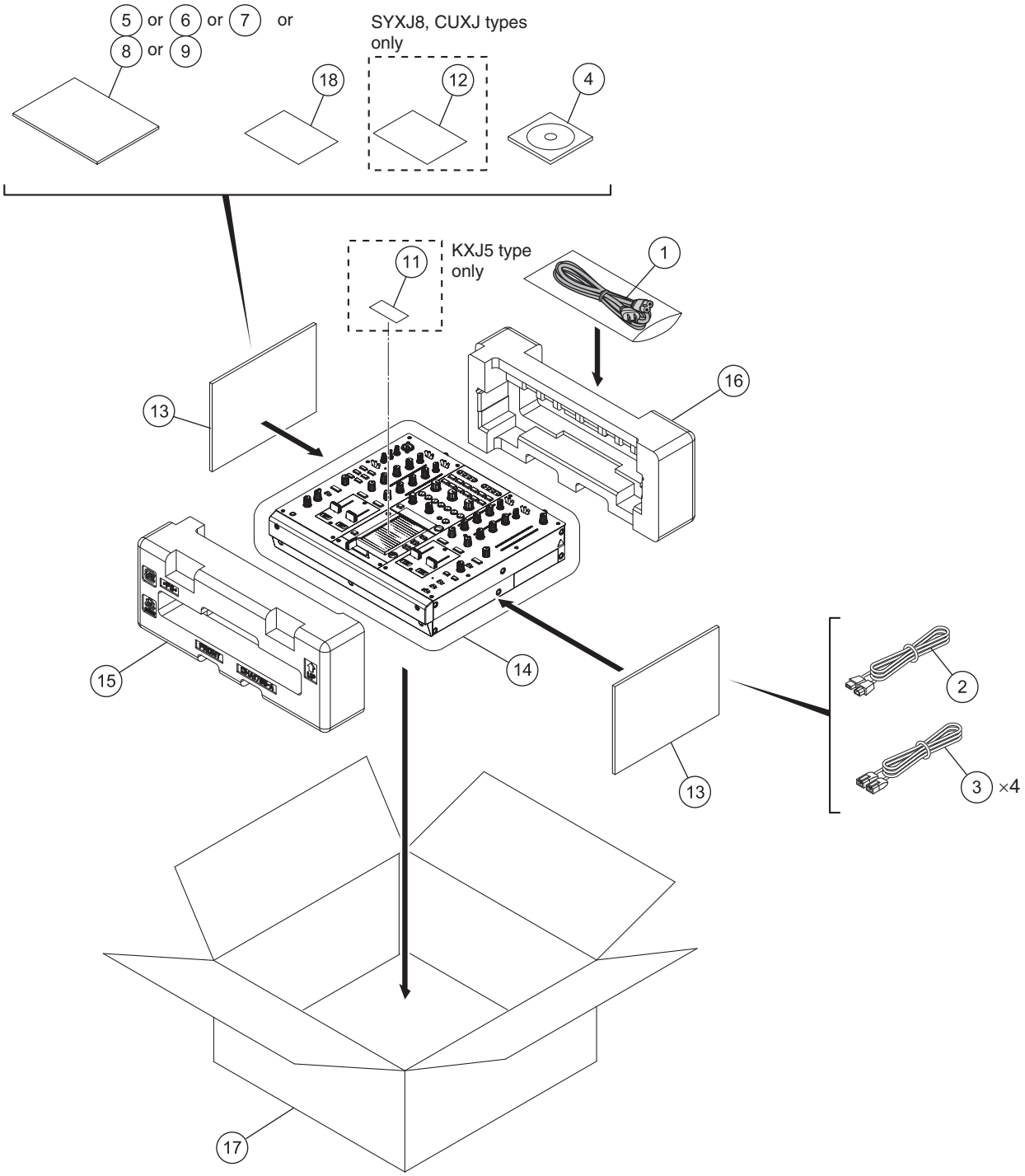
FACTORY RESET

NEVER perform FACTORY RESET before taking note of setting data.

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

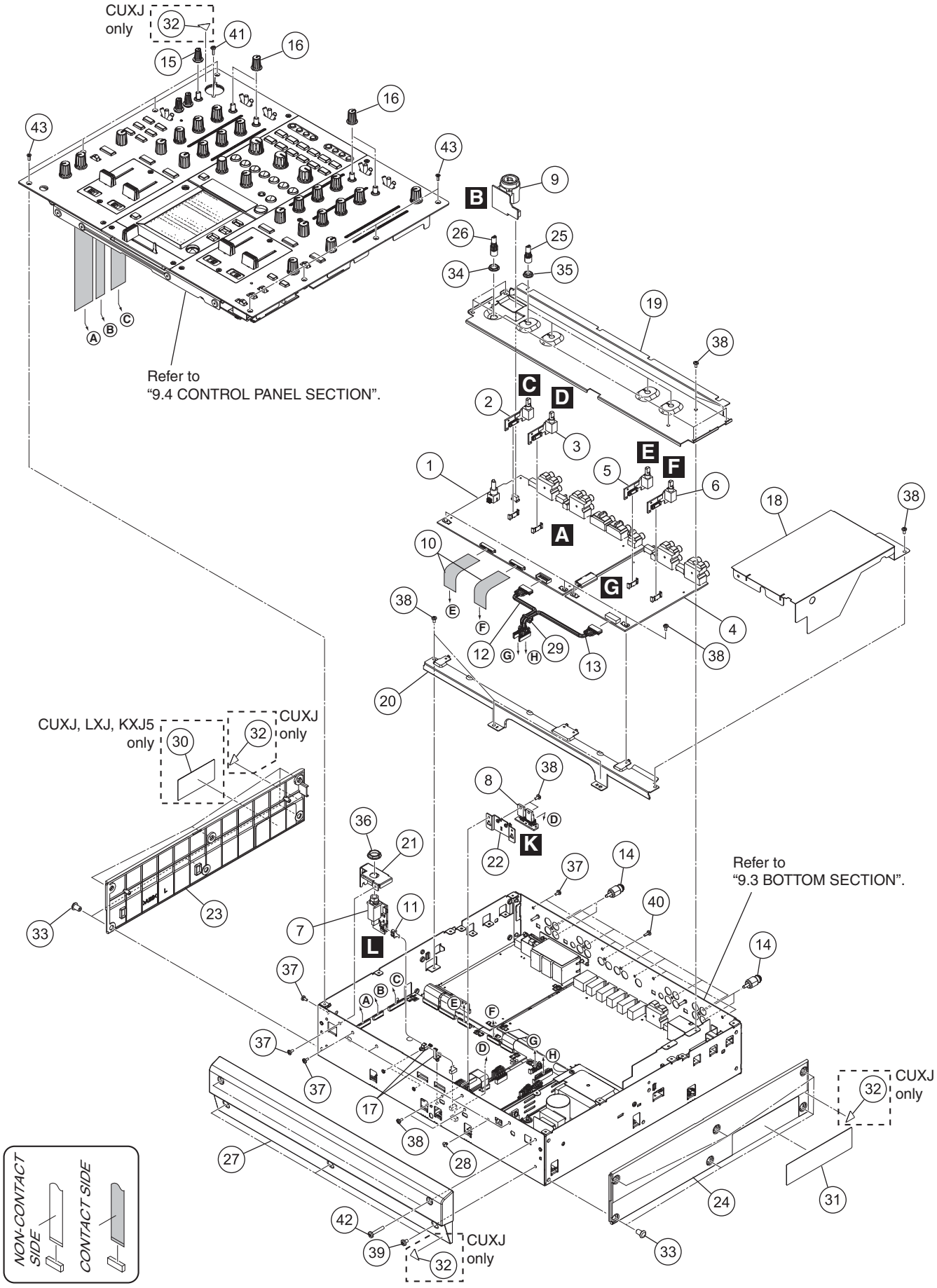
Mark	No.	Description	Part No.
⚠	1	Power Cable	See Contrast table (2)
	2	USB Cable	DDE1128
	3	LAN Cable	DDE1131 or DDE1137
	4	CD-ROM	DXX2603
	5	Operating Instructions	See Contrast table (2)
	6	Operating Instructions	See Contrast table (2)
	7	Operating Instructions	See Contrast table (2)
	8	Operating Instructions	See Contrast table (2)
	9	Operating Instructions	See Contrast table (2)
	10	•••••	
	11	Recycle Label (M)	See Contrast table (2)
NSP	12	Warranty Card	See Contrast table (2)
NSP	13	Polyethylene Bag	AHG7117
	14	Mirror Mat (1200 x 1000)	DHL1169
	15	Pad F (DJM-2000)	DHA1785
	16	Pad R (DJM-2000)	DHA1786
	17	Packing Case	See Contrast table (2)
NSP	18	Flyer	See Contrast table (2)

(2) CONTRAST TABLE

DJM-2000/SYXJ8, CUXJ, LXJ, KXJ5 and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-2000 /SYXJ8	DJM-2000 /CUXJ	DJM-2000 /LXJ	DJM-2000 /KXJ5	DJM-2000 /AXJ5
⚠	1	Power Cable	ADG7062	DDG1028	ADG7062	XDG3066	ADG7105
	5	Operating Instructions (En, Fr, De, It, Nl, Es, Ru)	DRB1497	Not used	Not used	Not used	Not used
	6	Operating Instructions (En, Fr)	Not used	DRB1496	Not used	Not used	Not used
	7	Operating Instructions (En, Es, Zhtw)	Not used	Not used	DRB1498	Not used	Not used
	8	Operating Instructions (Ko)	Not used	Not used	Not used	DRB1500	Not used
	9	Operating Instructions (Zhcn, En)	Not used	Not used	Not used	Not used	DRB1499
	11	Recycle Label (M)	Not used	Not used	Not used	DRW2307	Not used
NSP	12	Warranty Card	ARY7107	ARY7043	Not used	Not used	Not used
	17	Packing Case	DHG2953	DHG2954	DHG2955	DHG2886	DHG2885
NSP	18	Flyer	DRH1108	DRH1109	DRH1109	DRH1107	DRH1107

9.2 EXTERIOR SECTION



(1) EXTERIOR SECTION PARTS LIST

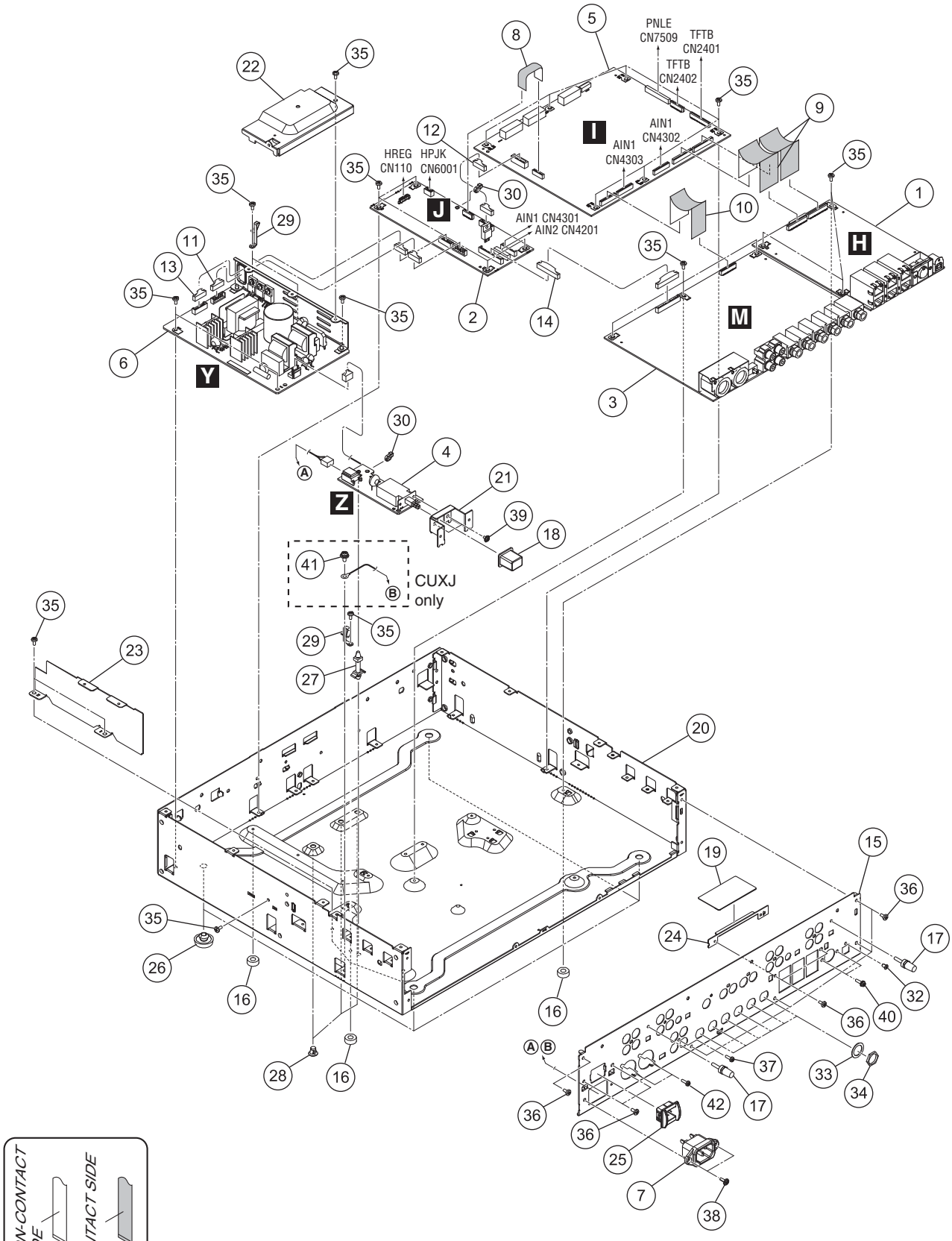
Mark	No.	Description	Part No.
	1	AIN1 Assy	DWX2922
	2	TRIM1 Assy	DWX2935
	3	TRIM2 Assy	DWX2936
	4	AIN2 Assy	DWX2923
	5	TRIM3 Assy	DWX2937
	6	TRIM4 Assy	DWX2938
	7	HPJK Assy	DWX2939
	8	HREG Assy	DWX2940
	9	MCJK Assy	DWX2934
	10	20P FFC	DDD1510
	11	Connector Assy	PF04PP-D20
	12	Connector Assy	PF07EE-D10
	13	Connector Assy	PF07EE0D12
	14	Short Pin Plug	AKM7008
	15	Rotary SW Knob S (B)	DAA1178
	16	Rotary SW Knob S (C)	DAA1204
	17	Locking Mini Clamp	DEC2439
	18	Barrier (W)	DEC3271
	19	TRIM Stay	DNF1813
	20	Input Stay	DNF1819
	21	HP Stay	DNF1820
	22	Heat Sink	DNF1850
	23	Side Panel L	DNK5363
	24	Side Panel R	DNK5364
	25	Extension Shaft A	DNK5365
	26	Extension Shaft B	DNK5366
	27	Front Panel	DNK5371
	28	Push Rivet	XEC3034
	29	Binder	ZCA-SKB90BK
NSP	30	Caution Label	See Contrast table (2)
NSP	31	Name Label	See Contrast table (2)
NSP	32	Caution Label	See Contrast table (2)
	33	Rivet (Plastic)	AEC1877
	34	Flange Nut M9	DBN1008
	35	Flange Nut M7	DBN1011
	36	Flange Nut M12	DBN1012
	37	Screw	BBZ30P060FTB
	38	Screw	BBZ30P060FTC
	39	Screw	BCZ40P060FTB
	40	Screw	BPZ30P080FTB
	41	Screw	BPZ30P100FTB
	42	Screw	BSZ40P220FTB
	43	Screw	CCZ30P080FTB

(2) CONTRAST TABLE

DJM-2000/SYXJ8, CUXJ, LXJ, KXJ5 and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-2000 /SYXJ8	DJM-2000 /CUXJ	DJM-2000 /LXJ	DJM-2000 /KXJ5	DJM-2000 /AXJ5
NSP	30	Caution Label	Not used	DRW2429	DRW2430	DRW2432	Not used
NSP	31	Name Label	DRW2423	DRW2424	DRW2425	DRW2428	DRW2427
NSP	32	Caution Label	Not used	DRW1975	Not used	Not used	Not used

9.3 BOTTOM SECTION



(1) BOTTOM SECTION PARTS LIST

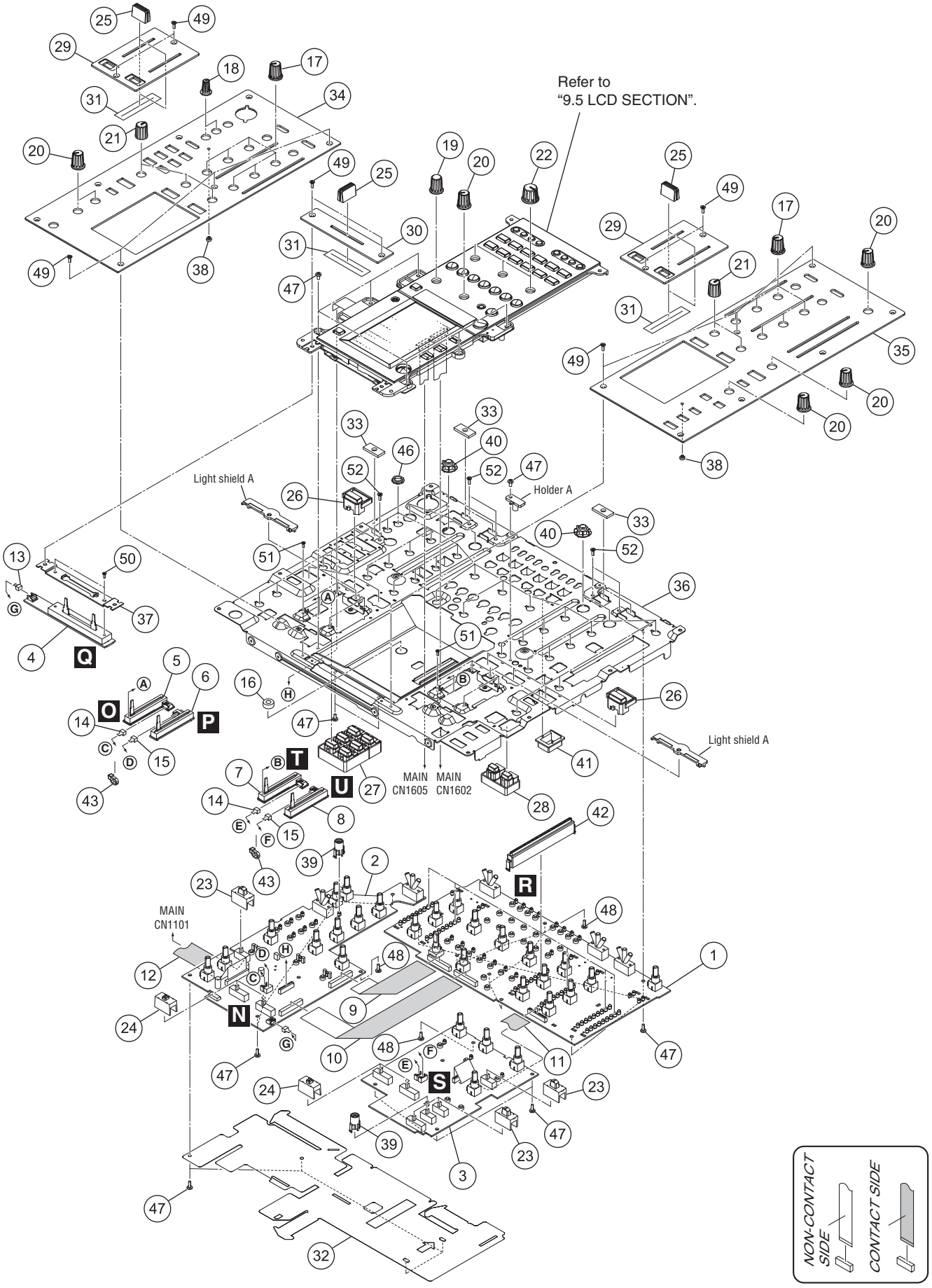
Mark	No.	Description	Part No.
	1	PCIF Assy	DWX2925
	2	HAMP Assy	DWX2919
	3	AOUT Assy	DWX2924
	4	ACSW Assy	DWX2918
	5	MAIN Assy	DWX2920
⚠	6	POWER SUPPLY Assy	DWR1473 or DWR1492
⚠	7	AC Inlet Assy	See Contrast table (2)
	8	12P FFC	DDD1507
	9	26P FFC	DDD1509
	10	20P FFC	DDD1510
	11	Connector Assy	PF06EE-D20
	12	Connector Assy	PF08PP-D10
	13	Connector Assy	PF08PP-D20
	14	Connector Assy	PF12EE-D10
	15	Rear Panel	See Contrast table (2)
NSP	16	Spacer	AEB7092
	17	Terminal Screw	AKE-031
	18	Power Knob	DAC2306
	19	Barrier (LAN)	DEC3169
NSP	20	Chassis	DNA1362
	21	Bracket PSW	DNF1759
	22	Power Shield	DNF1815
	23	AC Shield	DNF1816
	24	Earth Plate	DNF1858
	25	Power Knob Guard	DNK4534
	26	Foot (Rubber)	REC-434
NSP	27	PC Support	VEC1584
NSP	28	PC Support	VEC1749
	29	Cord Clamper (Steel)	RNH-184
	30	Binder	ZCA-SKB90BK
	31	•••••	
	32	Screw (M3 x5)	DBA1340
	33	Washer	DEC2920
	34	Nut (M12)	NKX2FNI
	35	Screw	BBZ30P060FTC
	36	Screw	BBZ30P060FTB
	37	Screw	BPZ30P080FTB
	38	Screw	IBZ30P080FTB
	39	Screw	IMZ30P040FTC
	40	Screw	PMH30P100FTB
	41	Screw	See Contrast table (2)
	42	Screw	PPZ30P080FTB

(2) CONTRAST TABLE

DJM-2000/SYXJ8, CUXJ, LXJ, KXJ5 and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-2000 /SYXJ8	DJM-2000 /CUXJ	DJM-2000 /LXJ	DJM-2000 /KXJ5	DJM-2000 /AXJ5
⚠	7	AC Inlet Assy (2P)	DKP3762	Not used	DKP3762	DKP3762	DKP3762
⚠	7	AC Inlet Assy (3P)	Not used	DKP3761	Not used	Not used	Not used
	15	Rear Panel	DNC1916	DNC1917	DNC1918	DNC1921	DNC1920
	41	Screw	Not used	PMH40P080FTC	Not used	Not used	Not used

9.4 CONTROL PANEL SECTION

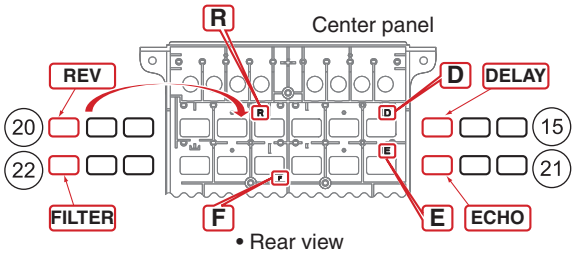


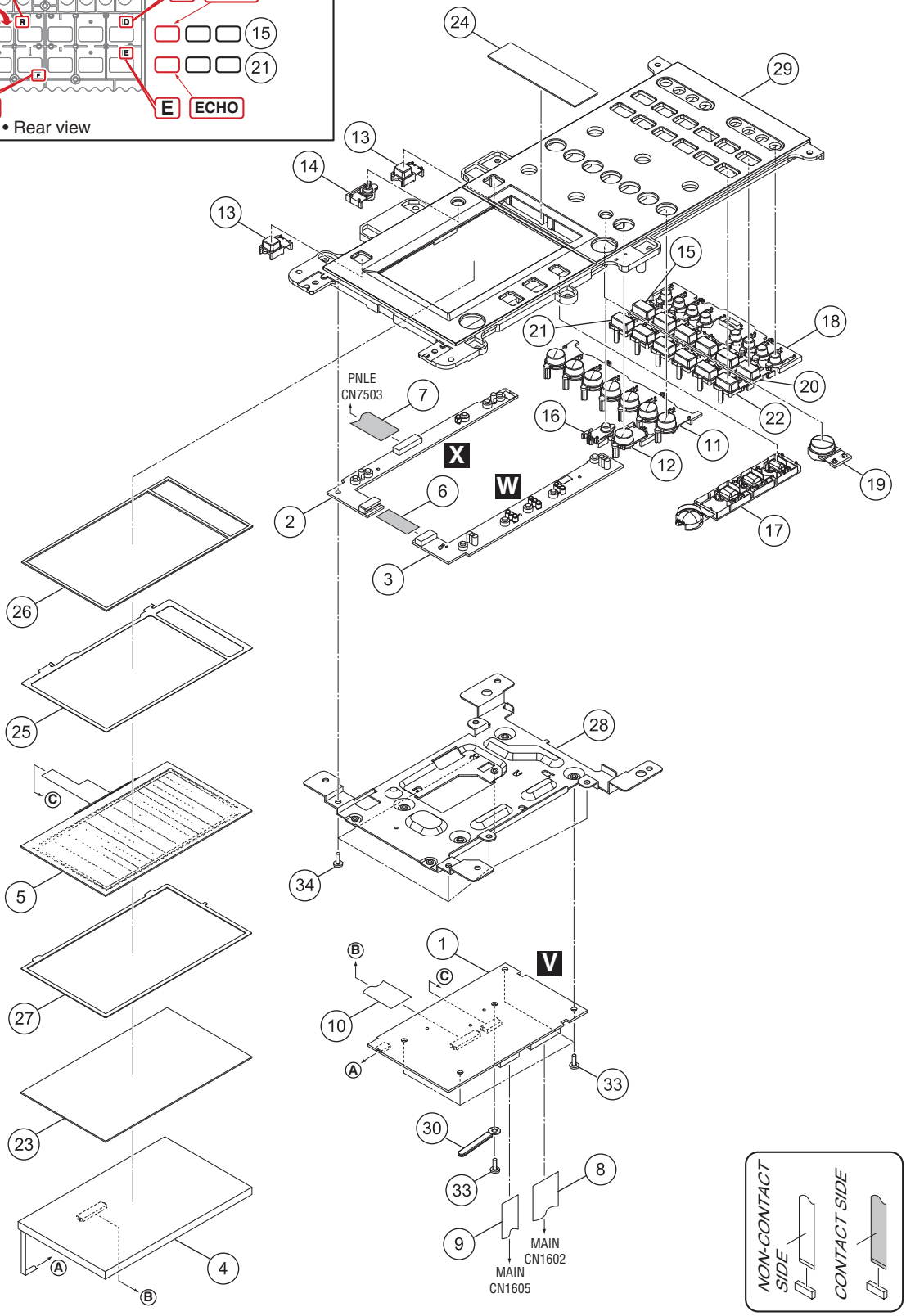
CONTROL PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	PNCE Assy	DWX2926
	2	PNLE Assy	DWX2927
	3	PNRI Assy	DWX2928
	4	CRFD Assy	DWX2929
	5	CFD1 Assy	DWX2930
	6	CFD2 Assy	DWX2931
	7	CFD3 Assy	DWX2932
	8	CFD4 Assy	DWX2933
	9	32P FFC	DDD1504
	10	32P FFC	DDD1505
	11	25P FFC	DDD1506
	12	32P FFC	DDD1508
	13	Connector Assy	PF03PP-B10
	14	Connector Assy	PF04PP-B05
	15	Connector Assy	PF04PP2B05
NSP	16	Spacer	AEB7092
	17	Rotary SW Knob (B)	DAA1176
	18	Rotary SW Knob S (A)	DAA1177
	19	Rotary SW Knob (C)	DAA1180
	20	Rotary Knob (BN)	DAA1220
	21	Knob (RES)	DAA1250
	22	Knob (FREQUENCY)	DAA1253
	23	Slide SW Cap	DAC2400
	24	Slide SW Cap (W)	DAC2401
	25	Slider Knob	DAC2501
	26	Button (CUE)	DAC2503
	27	Button (CFX)	DAC2510
	28	Button (MIDI)	DAC2511
	29	CHF Panel	DAH2691
	30	CRF Panel	DAH2692
	31	Fader Packing	DEC2903
	32	Barrier (Panel)	DEC3171
	33	SW Packing	DED1177
	34	Control Panel L	DNB1168
	35	Control Panel R	DNB1169
	36	Panel Stay	DNF1812
	37	CRF Stay	DNF1855
	38	Lens	DNK4532
	39	Lens Holder	DNK4533
	40	Bush	DNK5367
	41	Light Shield	DNK5583
	42	Level Meter Assy	DXB1882
	43	Binder	ZCA-SKB90BK
	44	•••••	
	45	•••••	
	46	Flange Nut M9	DBN1008
	47	Screw	BBZ30P060FTC
	48	Screw	BPZ30P080FTB
	49	Screw	CCZ30P080FTB
	50	Screw	IMZ30P040FTC
	51	Screw	PMA20P040FTC
	52	Screw	AMZ26P040FTC

9.5 LCD SECTION

Note:
The shape of the groups of buttons 15, 20, 21, and 22 is the same. To identify the attachment position of each group of buttons during reassembly, the initial letter of the name of the left button of a group is engraved on the back of the Center panel (No. 29).



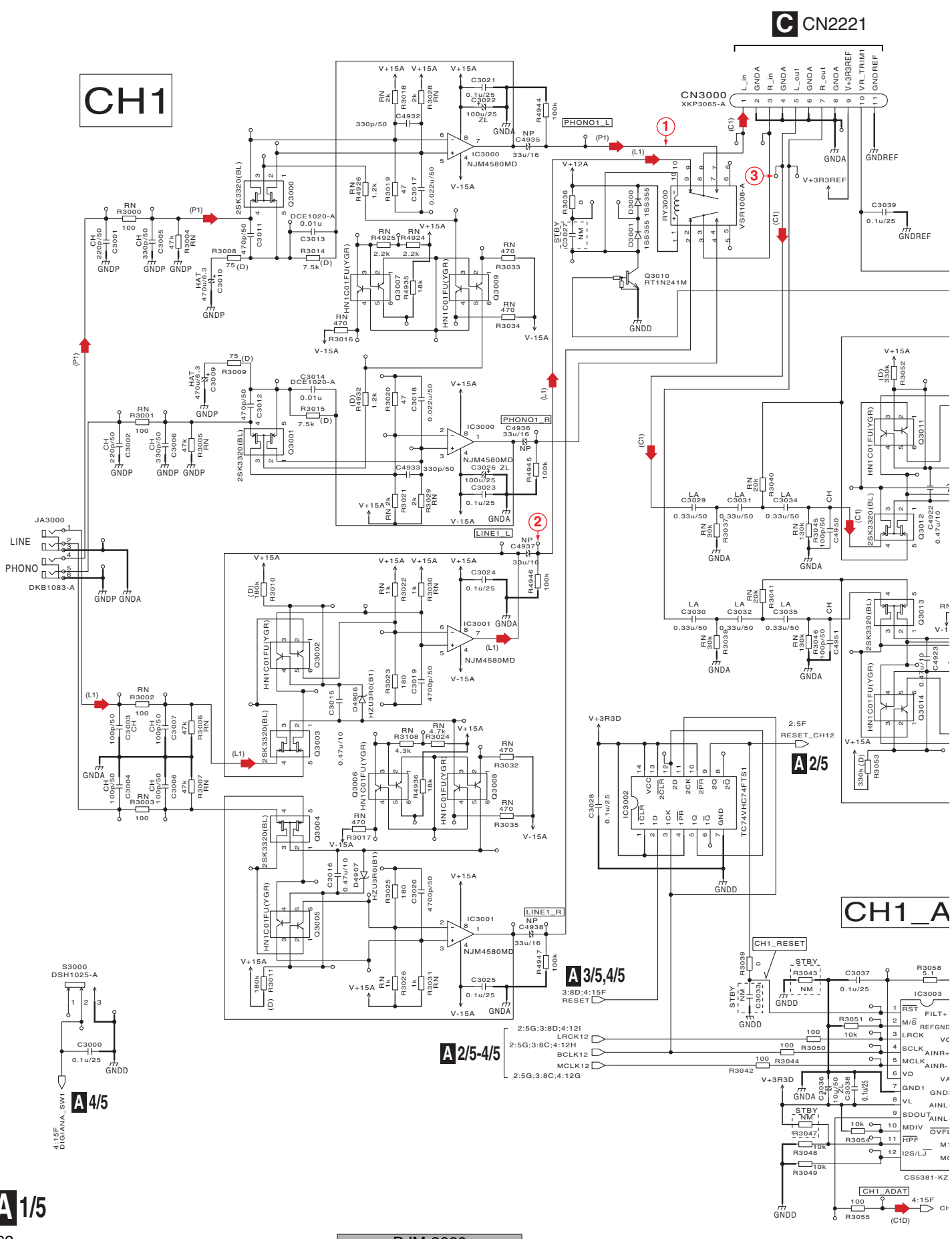


LCD SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	TFTB Assy	DWX2921
	2	TPLE Assy	DWX3010
	3	TPRI Assy	DWX3011
	4	LCD	CWX3868
	5	Touch Panel	DSX1081
	6	12P FFC	DDD1507
	7	19P FFC	DDD1513
	8	26P FFC	DDD1514
	9	16P FFC	DDD1515
	10	40P FFC	DDD1541
	11	Button (BEAT)	DAC2502
	12	Button (TAP)	DAC2504
	13	Button (CUE) S	DAC2505
	14	Button (SETTING)	DAC2506
	15	Button (FX SEL A)	DAC2507
	16	Button (AUTO)	DAC2508
	17	Button (REMIX)	DAC2509
	18	Button (CH SEL)	DAC2512
	19	Button (FX)	DAC2513
	20	Button (FX SEL B)	DAC2597
	21	Button (FX SEL C)	DAC2598
	22	Button (FX SEL D)	DAC2599
	23	Protect Plate	DAH2767
	24	Display Plate (PC)	DAH2768
	25	TFT Earth Spring	DBK1367
	26	Touch Panel Pad	DEC3168
	27	Touch Panel Spacer	DEC3269
	28	LCD Stay	DNF1818
	29	Center Panel	DNK5370
	30	Cord Clamper (Steel)	RNH-184
	31	•••••	
	32	•••••	
	33	Screw	BBZ30P060FTC
	34	Screw	BPZ30P080FTB

10. SCHEMATIC DIAGRAM

10.1 AIN1 ASSY (1/5)



2221

A 1/5 AIN1 ASSY (DWX2922)

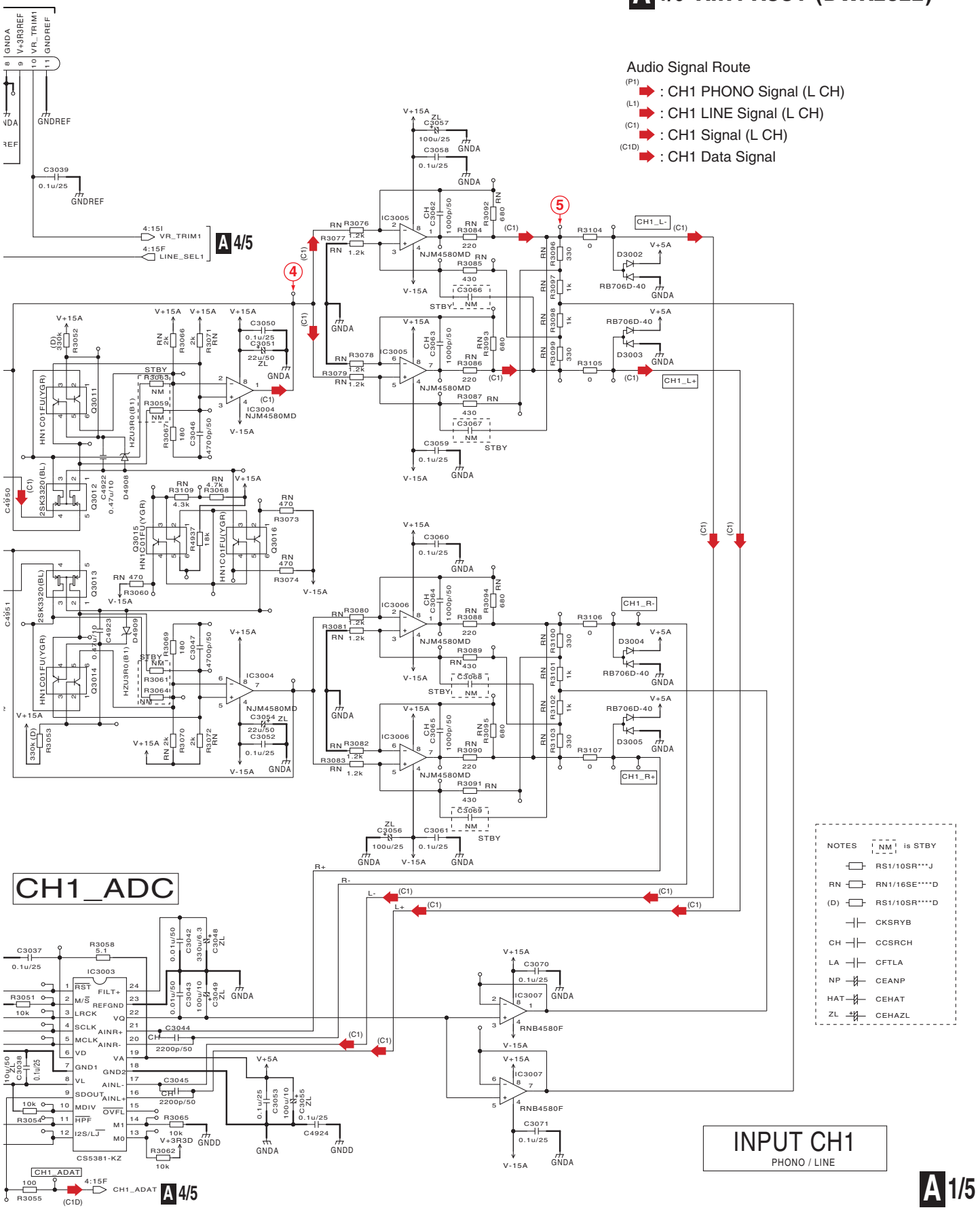
Audio Signal Route

(P1) : CH1 PHONO Signal (L CH)

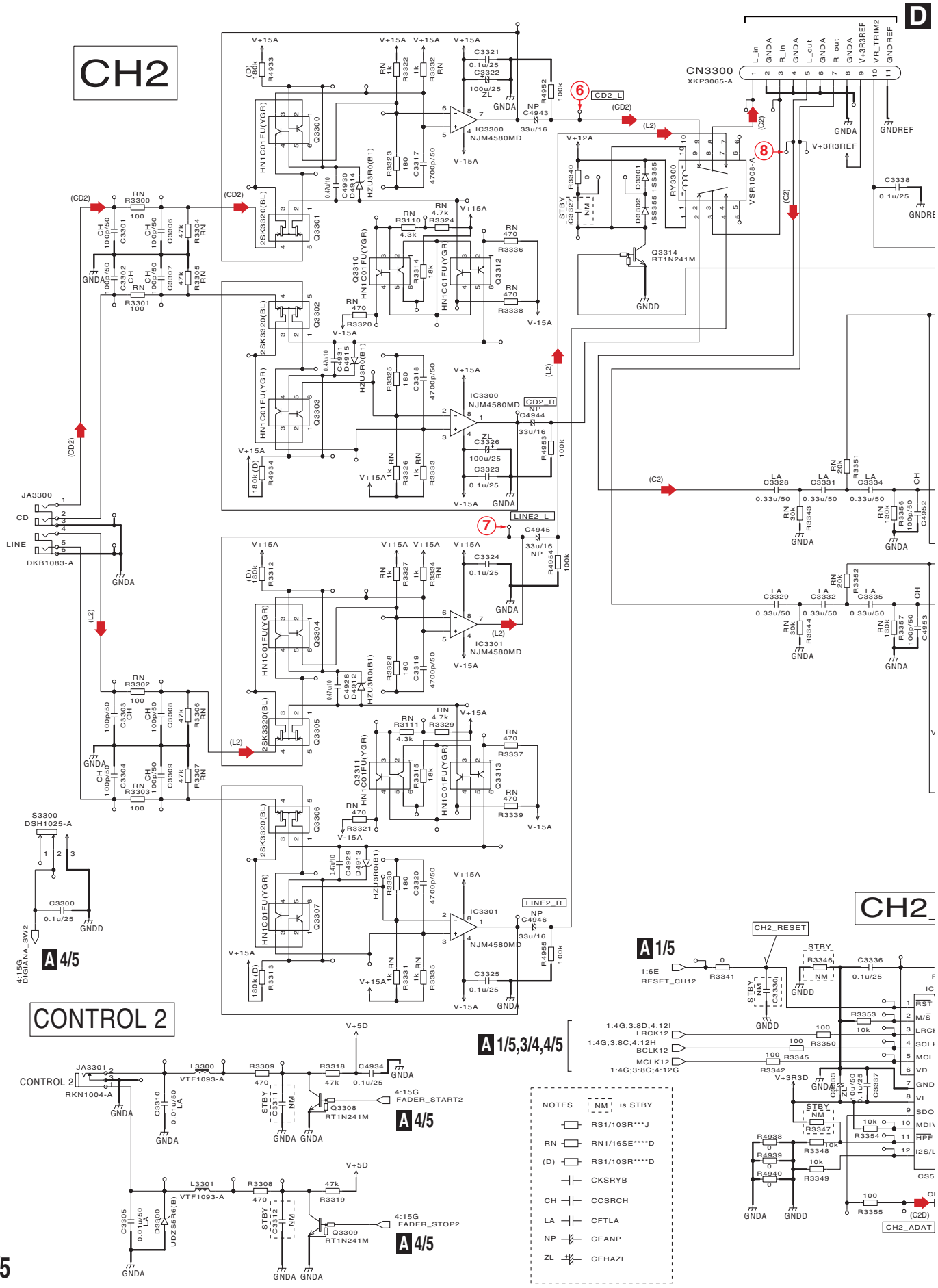
(L1) : CH1 LINE Signal (L CH)

(C1) : CH1 Signal (L CH)

(C1D) : CH1 Data Signal



10.2 AIN1 ASSY (2/5)

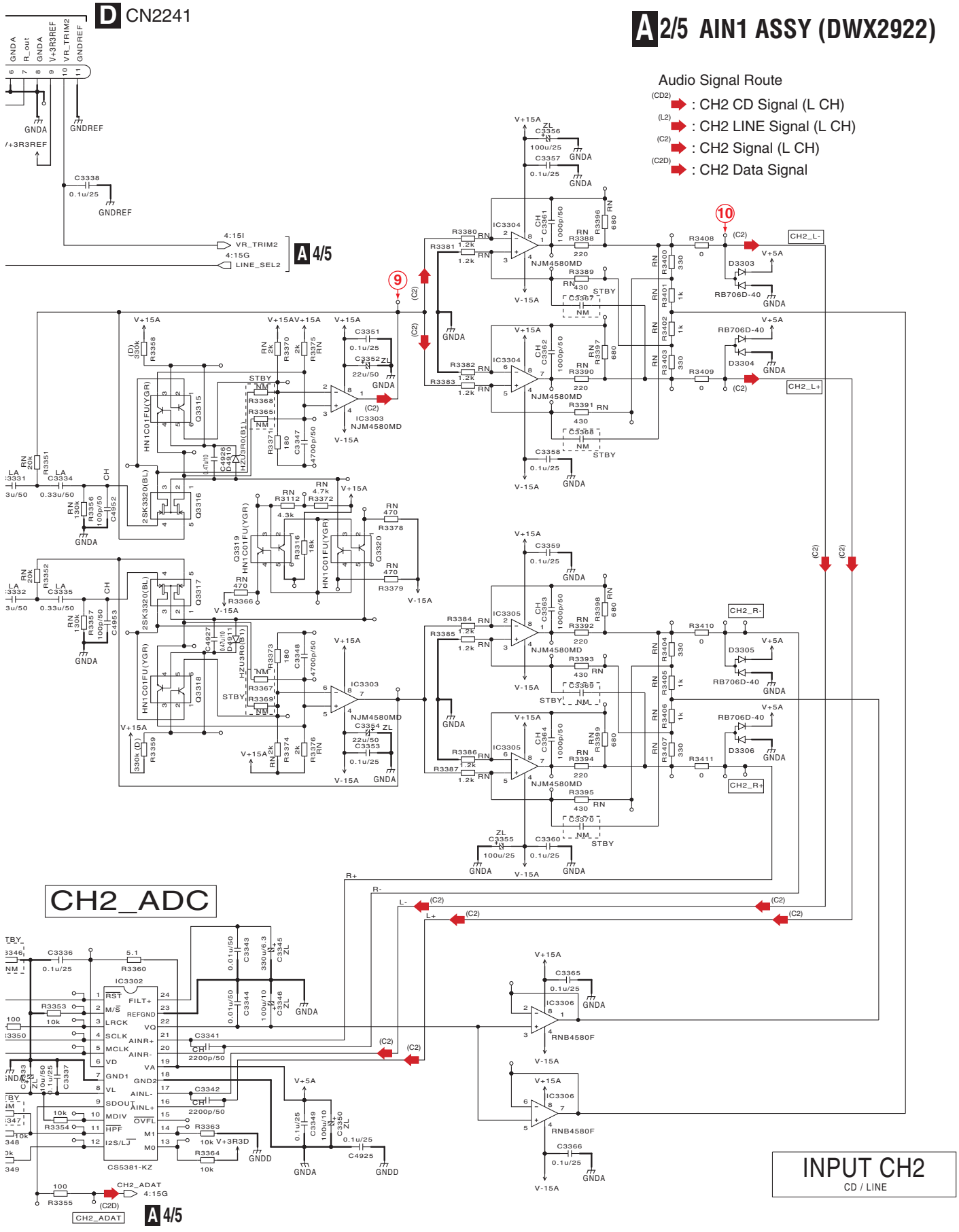


D CN2241

A 2/5 AIN1 ASSY (DWX2922)

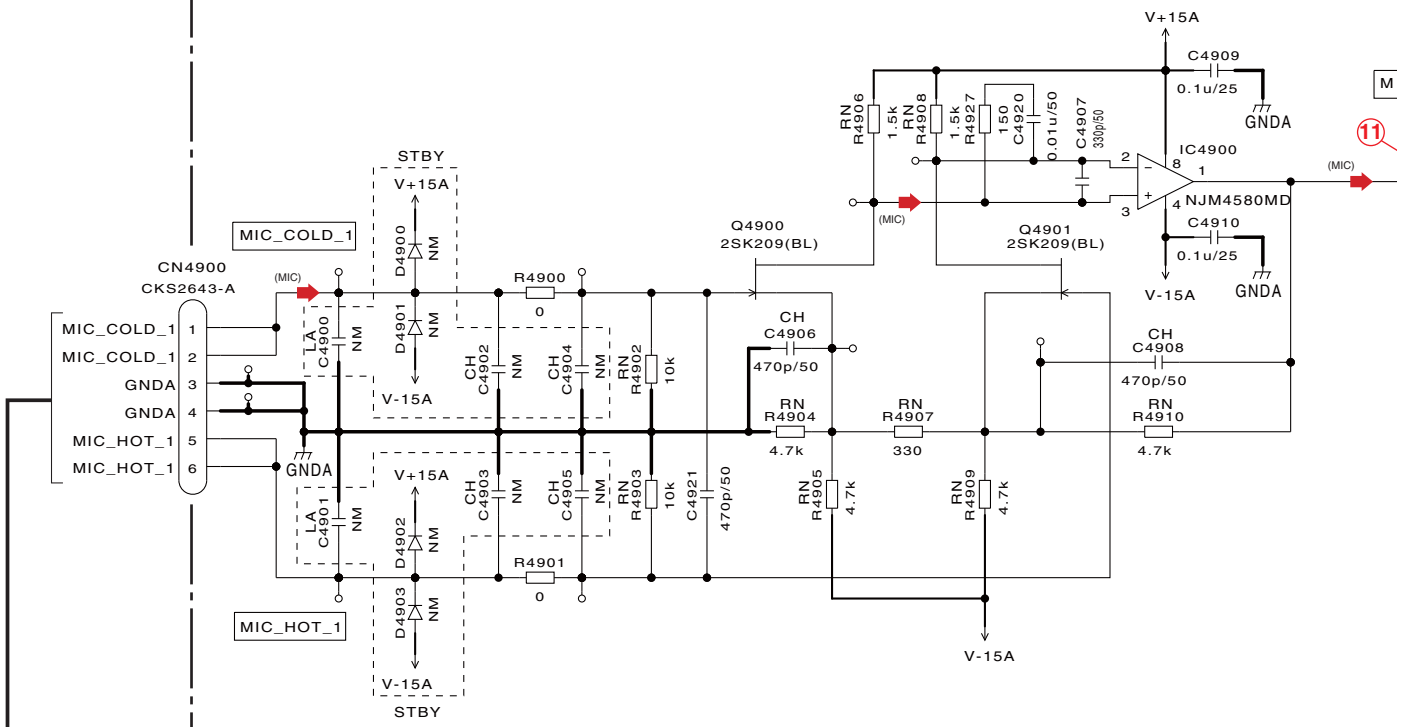
Audio Signal Route

(CD2) : CH2 CD Signal (L CH)
(L2) : CH2 LINE Signal (L CH)
(C2) : CH2 Signal (L CH)
(C2D) : CH2 Data Signal

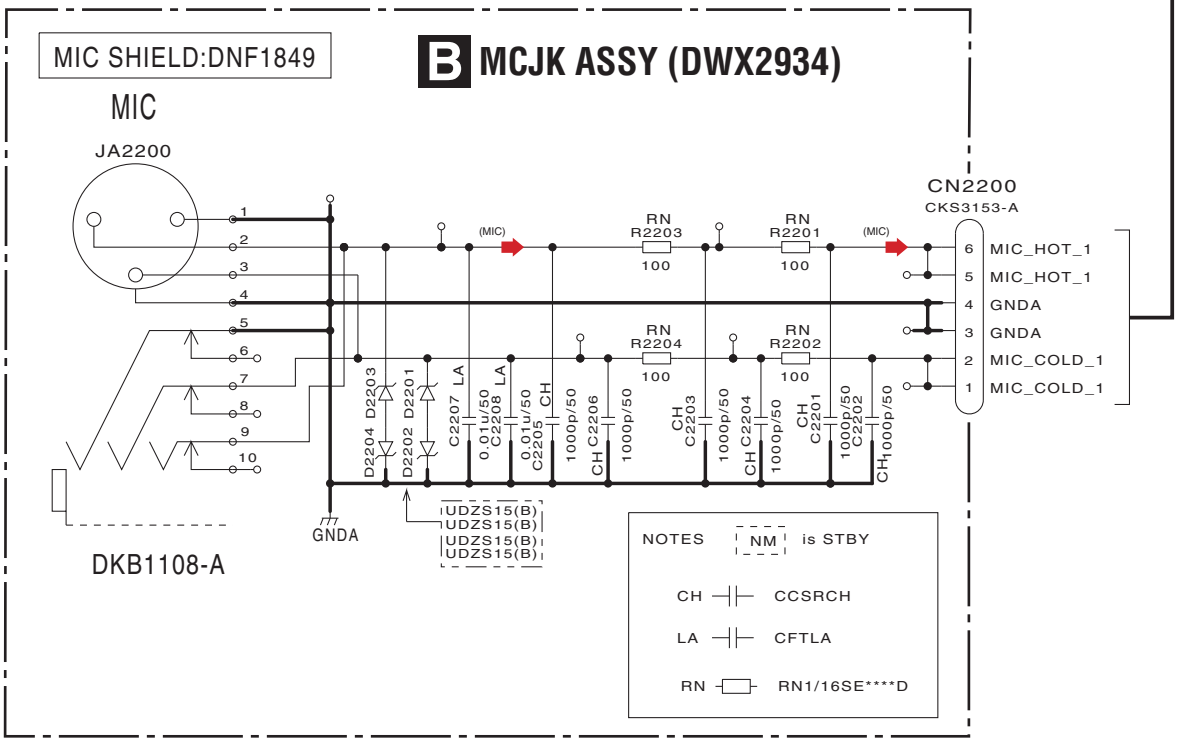


10.3 AIN1 (3/5) and MCJK ASSYS

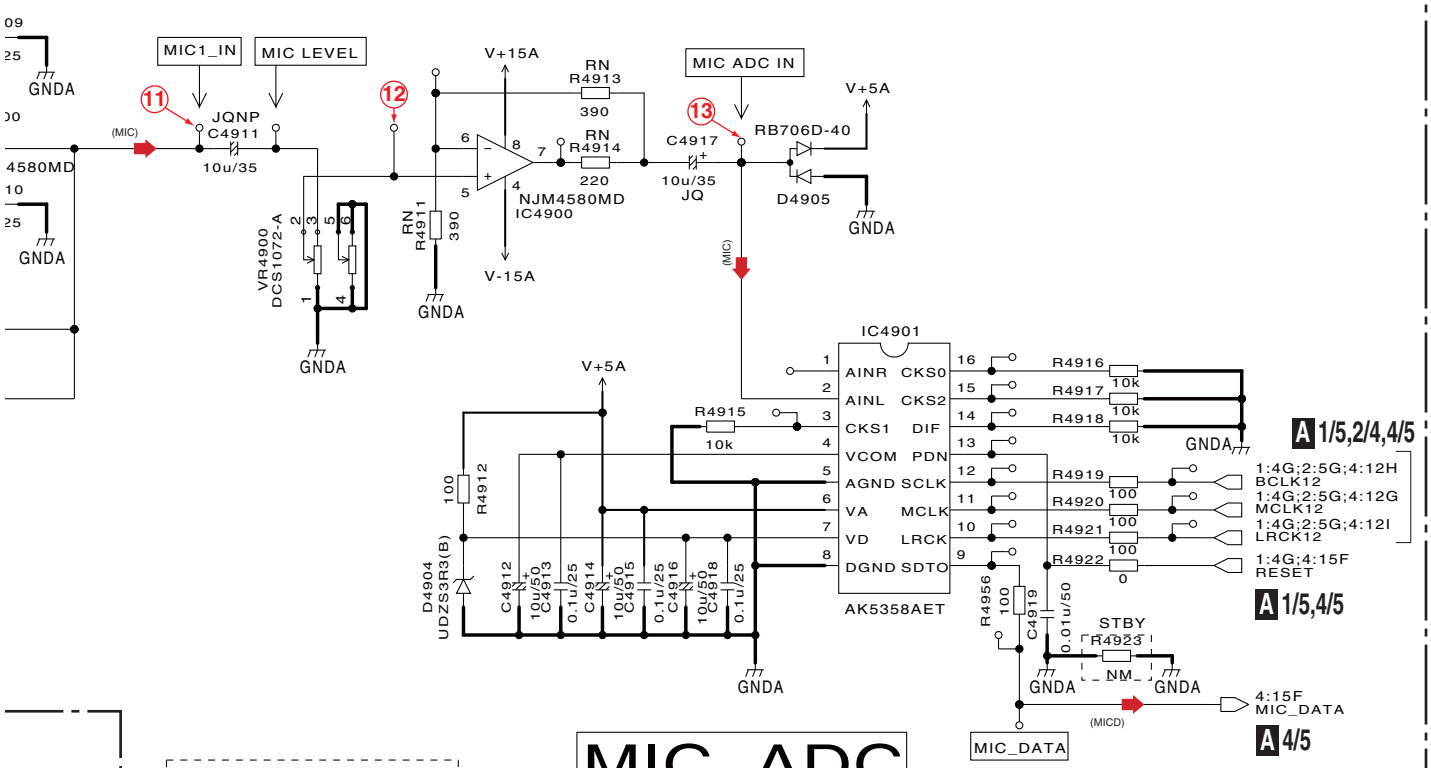
A 3/5 AIN1 ASSY (DWX2922)



B MCJK ASSY (DWX2934)



A 3/5 B



MIC_ADC

NOTES NM is STBY

RS1/10SR***J

RN RN1/16SE****D

CKSRYB

CH CCSRCH

LA CFTLA

CEAT

JQ CEJQ

JQNP CEJQNP

MIC AMP

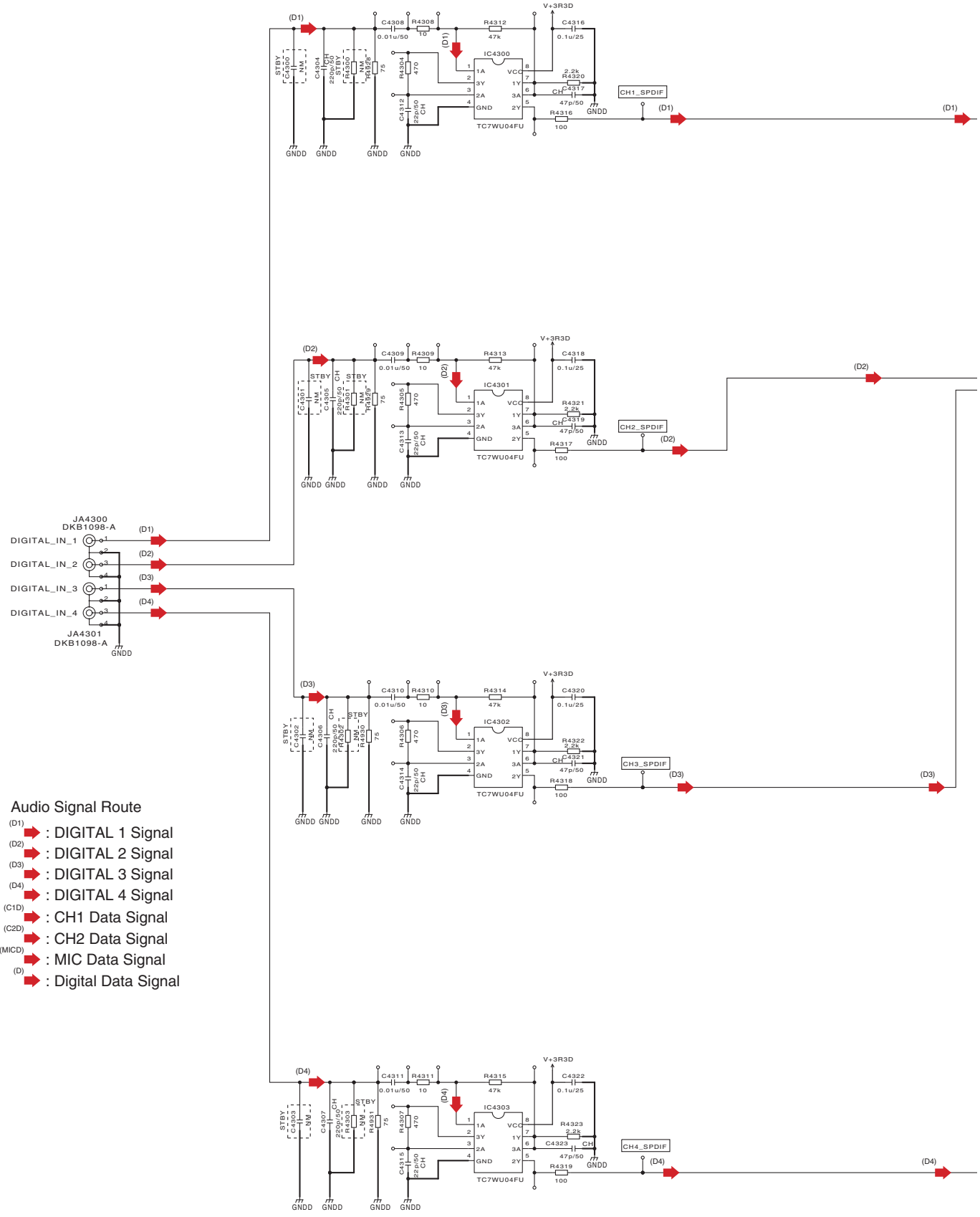
Audio Signal Route

(MIC) : MIC Signal (L CH)

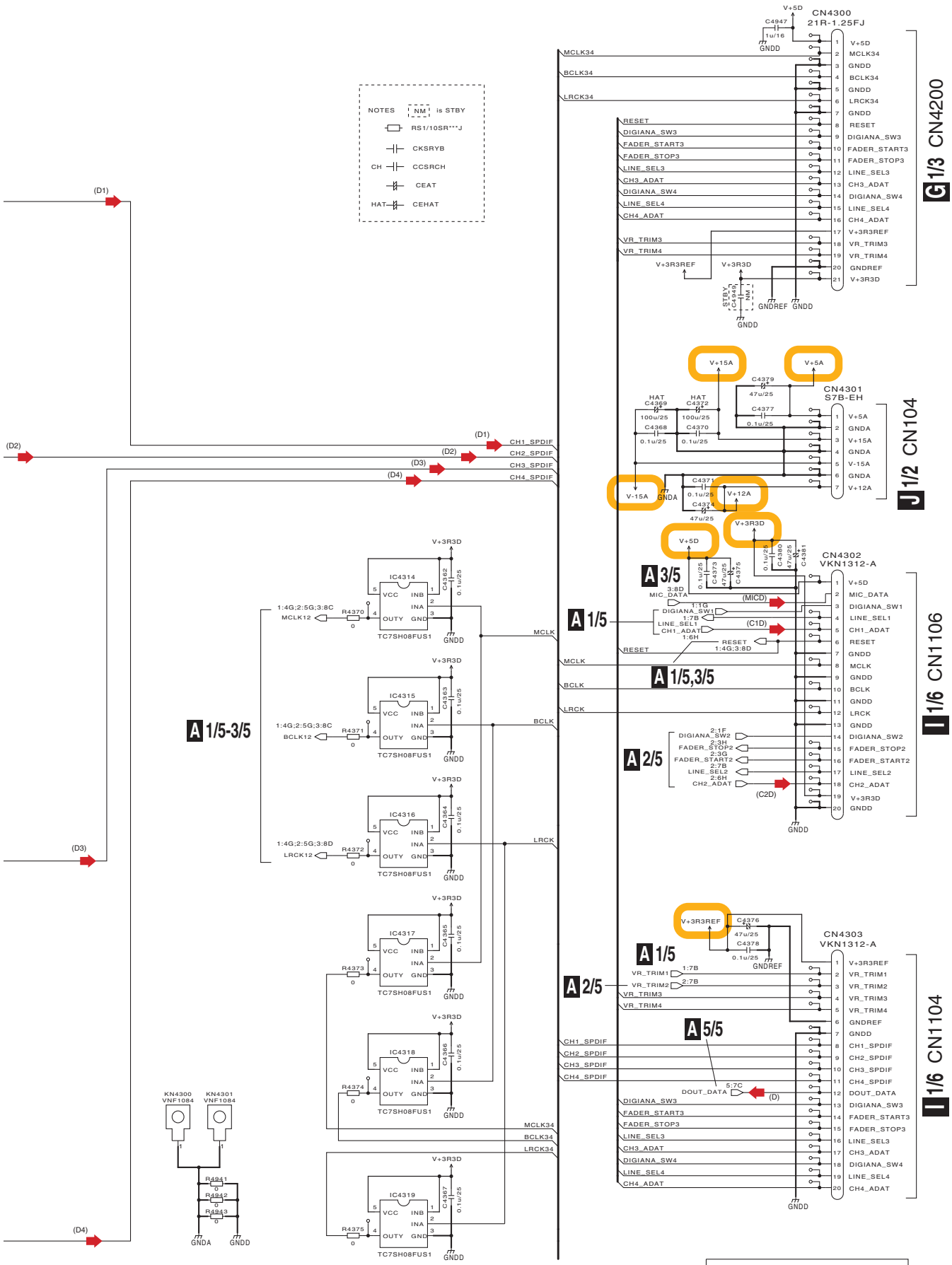
(MICD) : MIC Data Signal

10.4 AIN1 ASSY (4/5)

A 4/5 AIN1 ASSY (DWX2922)

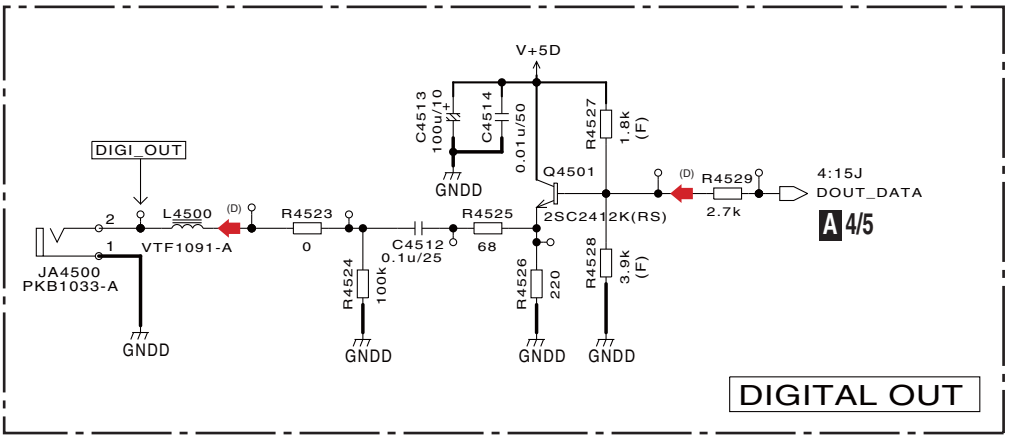


A 4/5


NOTES NM is STBY
RS1/10SR***J
CKSRYB
CH CCSRCH
CEAT
HAT CEHAT
CN4300
21R-1.25FJ
G 1/3 CN4200
CN4301
S7B-EH
J 1/2 CN104
CN4302
VKN1312-A
I 1/6 CN1106
CN4303
VKN1312-A
I 1/6 CN1104
A 1/5-3/5
A 1/5
A 1/5,3/5
A 2/5
A 3/5
A 5/5
A 4/5
IC4314
IC4315
IC4316
IC4317
IC4318
IC4319
TC7SH08FUS1
MCLK34
BCLK34
LRCK34
MCLK
BCLK
LRCK
CH1_SPDIF
CH2_SPDIF
CH3_SPDIF
CH4_SPDIF
DIGITAL IN

10.5 AIN1 (5/5), TRIM1 and TRIM2 ASSYS

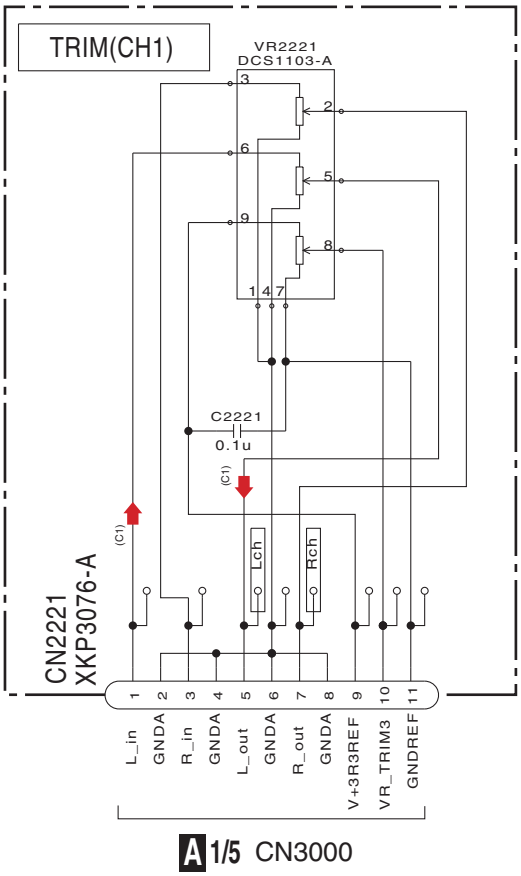
A 5/5 AIN1 ASSY (DWX2922)



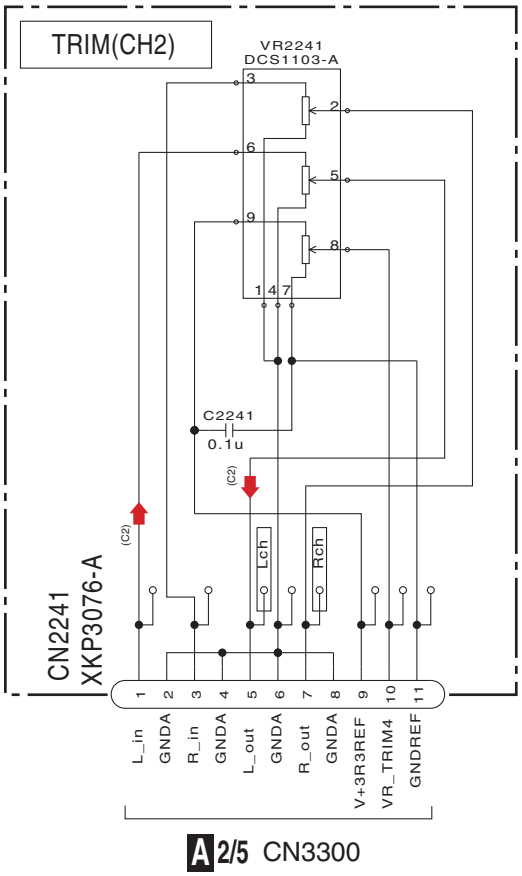
NOTES — NM is STBY
RS1/10SR***J
(F) RS1/10SR***F
CKSRYB
CEAT

Audio Signal Route
(D) : Digital Data Signal
(C1) : CH1 Signal (L CH)
(C2) : CH2 Signal (L CH)

C TRIM1 ASSY (DWX2935)



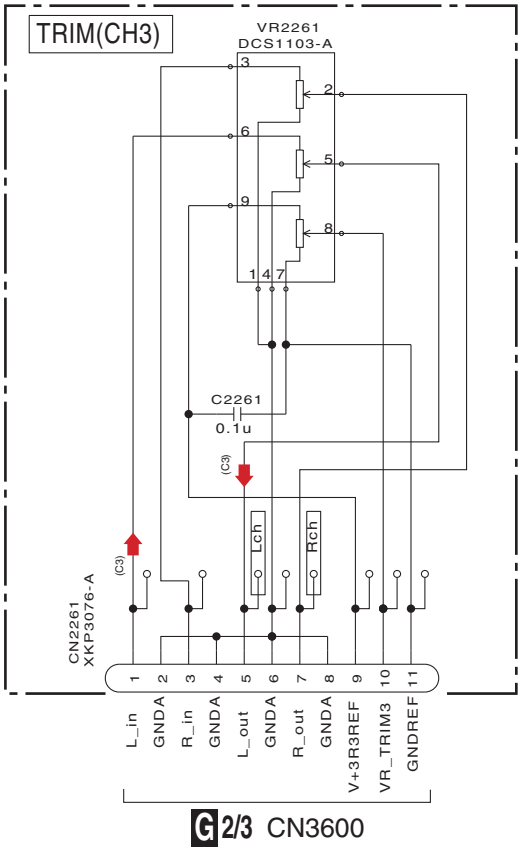
D TRIM2 ASSY (DWX2936)



A 5/5 C D

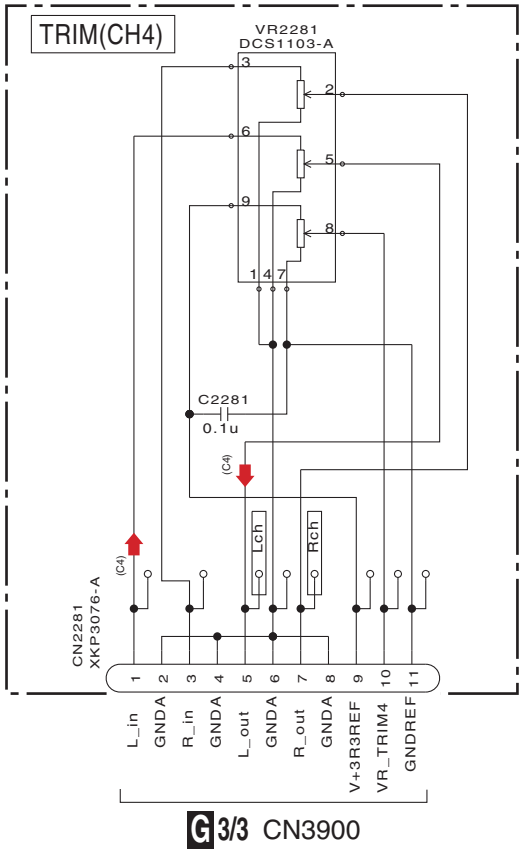
10.6 TRIM3, TRIM4 and AIN2 (1/3) ASSYS

E TRIM3 ASSY (DWX2937)



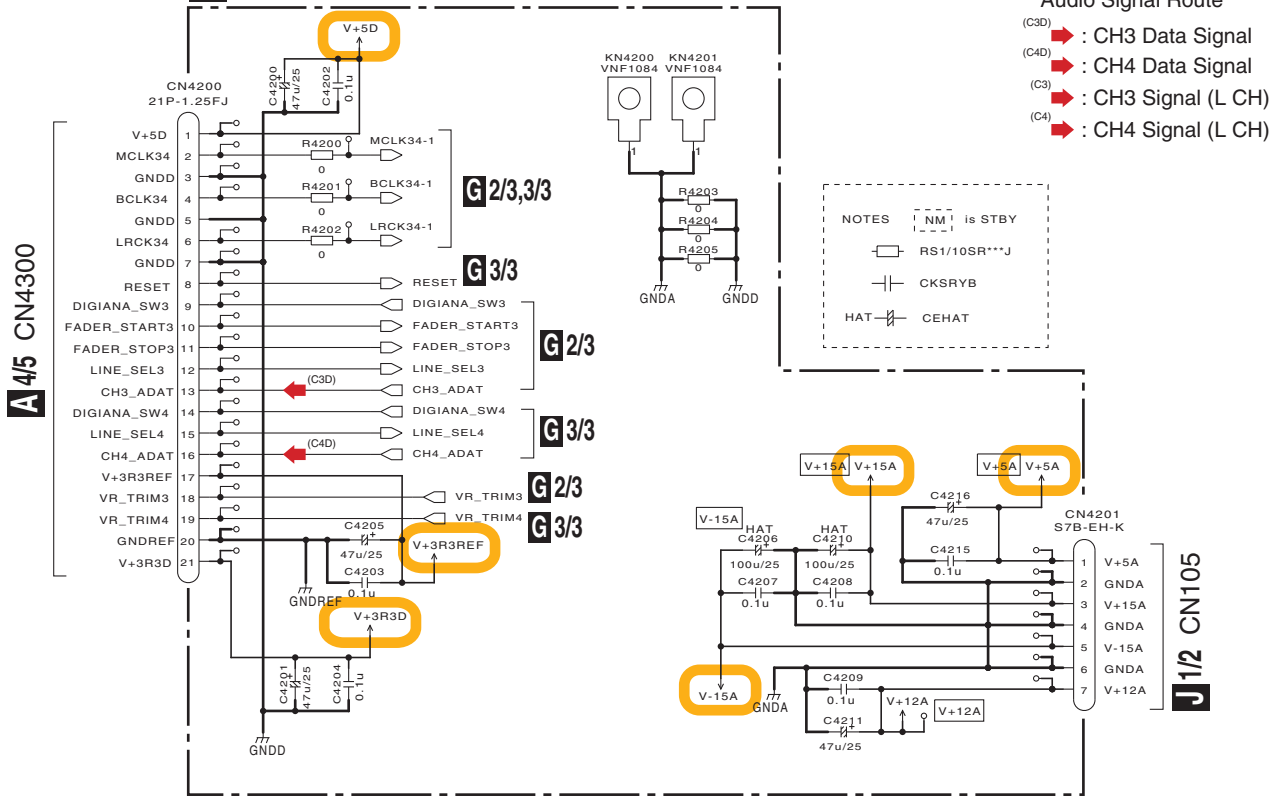
G 2/3 CN3600

F TRIM4 ASSY (DWX2938)



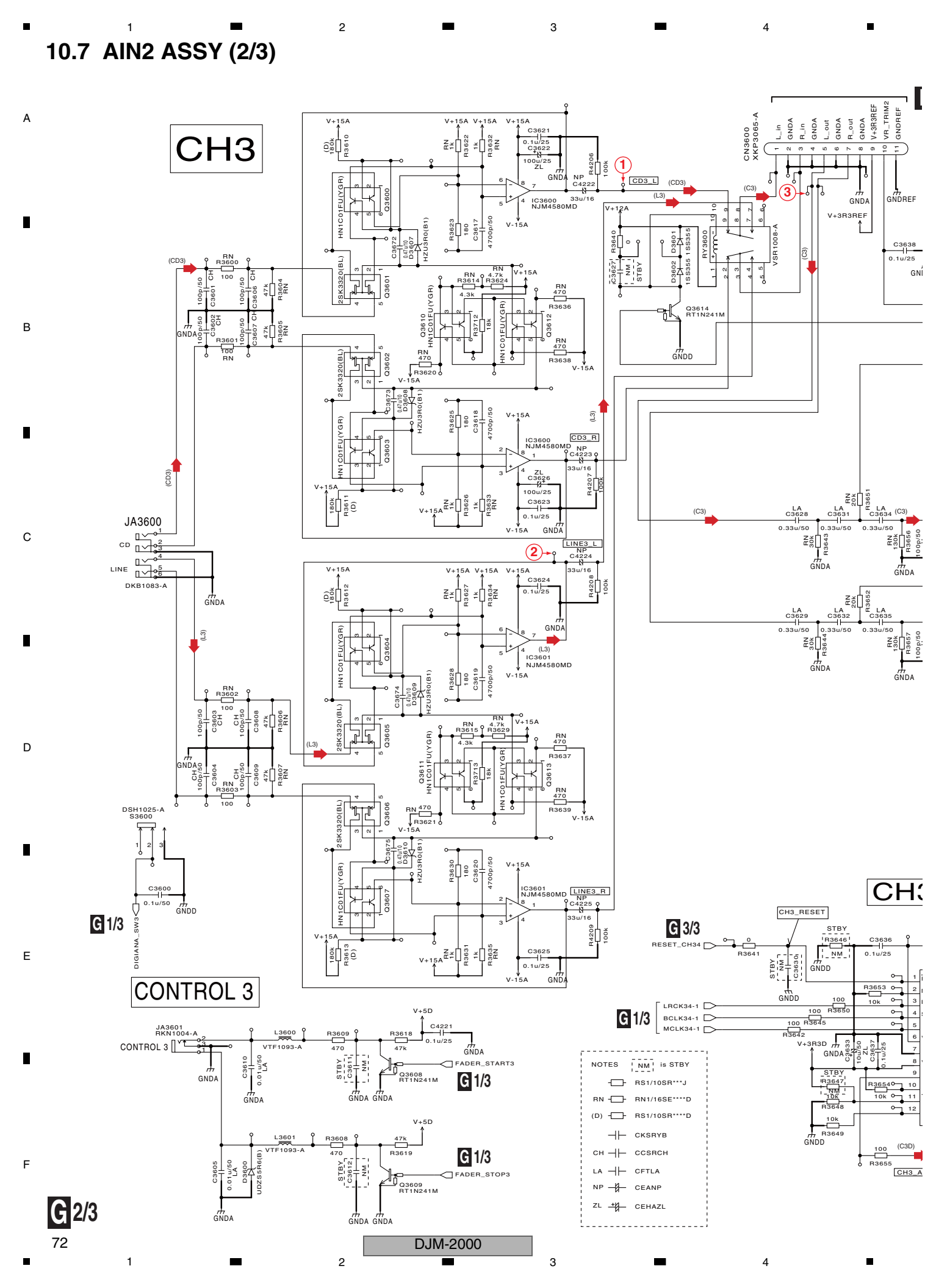
G 3/3 CN3900

G 1/3 AIN2 ASSY (DWX2923)



E F G 1/3

10.7 AIN2 ASSY (2/3)



G 2/3 AIN2 ASSY (DWX2923)

E CN2261

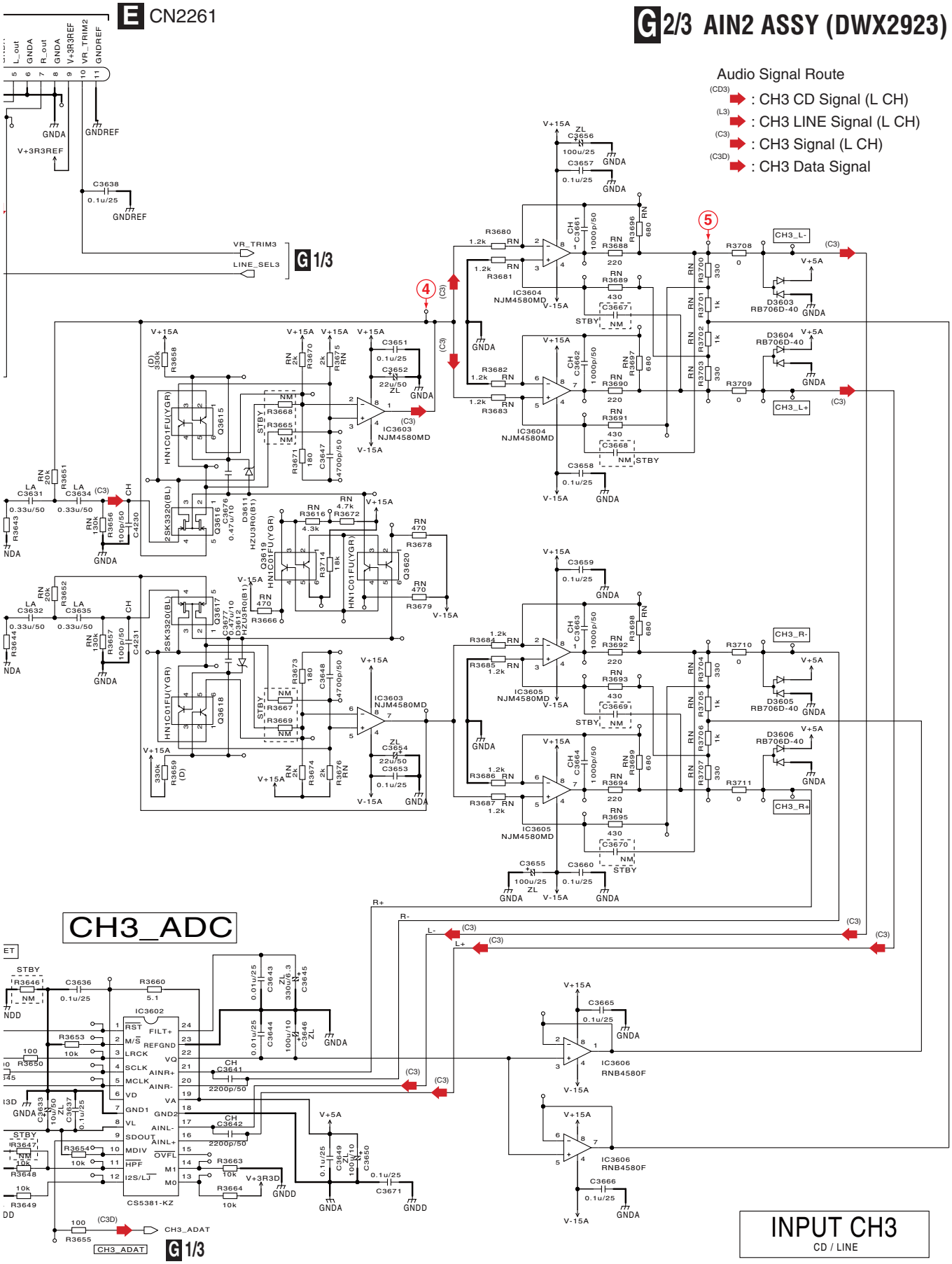
Audio Signal Route

(CD3) : CH3 CD Signal (L CH)

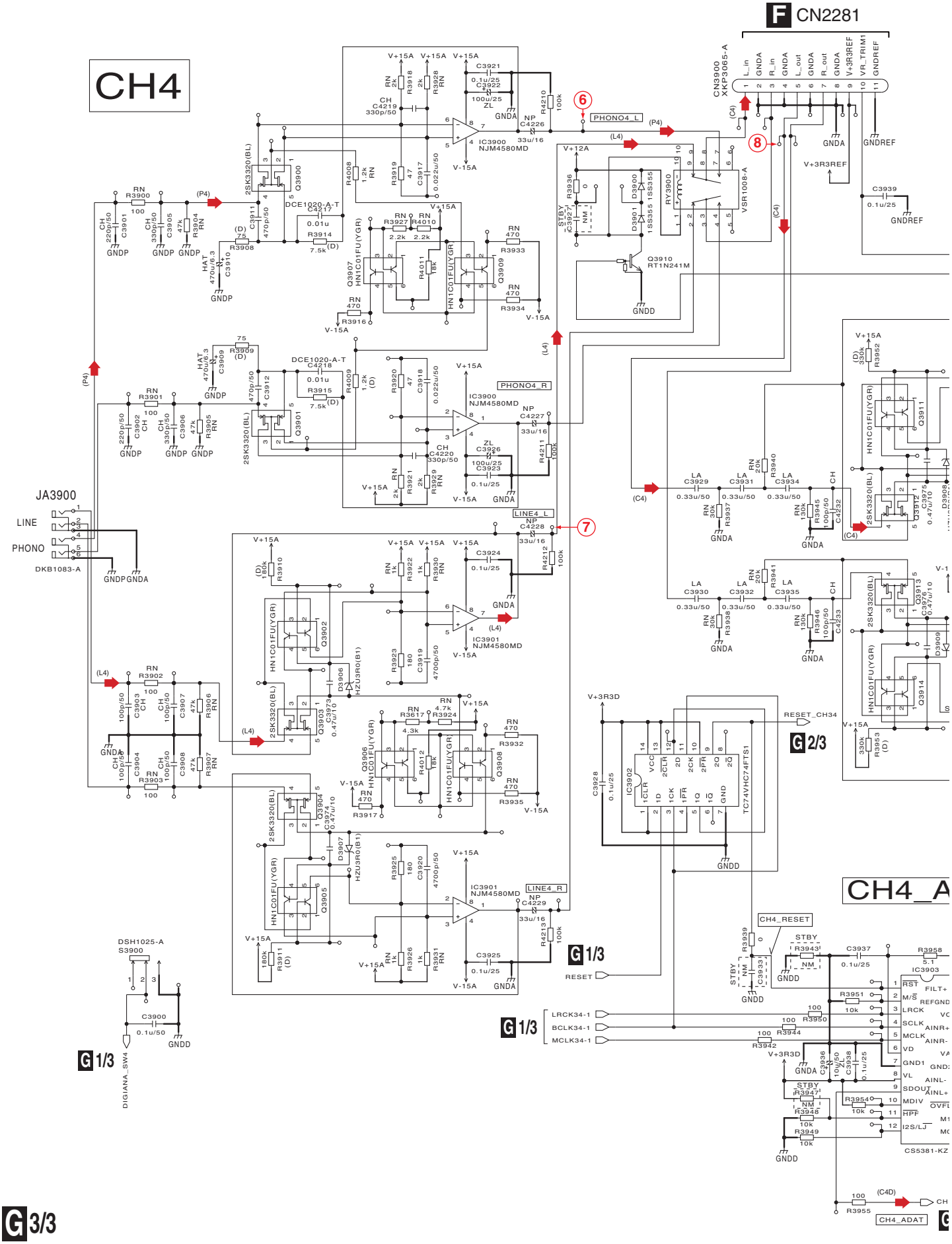
(L3) : CH3 LINE Signal (L CH)

(C3) : CH3 Signal (L CH)

(C3D) : CH3 Data Signal



10.8 AIN2 ASSY (3/3)



G 3/3 AIN2 ASSY (DWX2923)

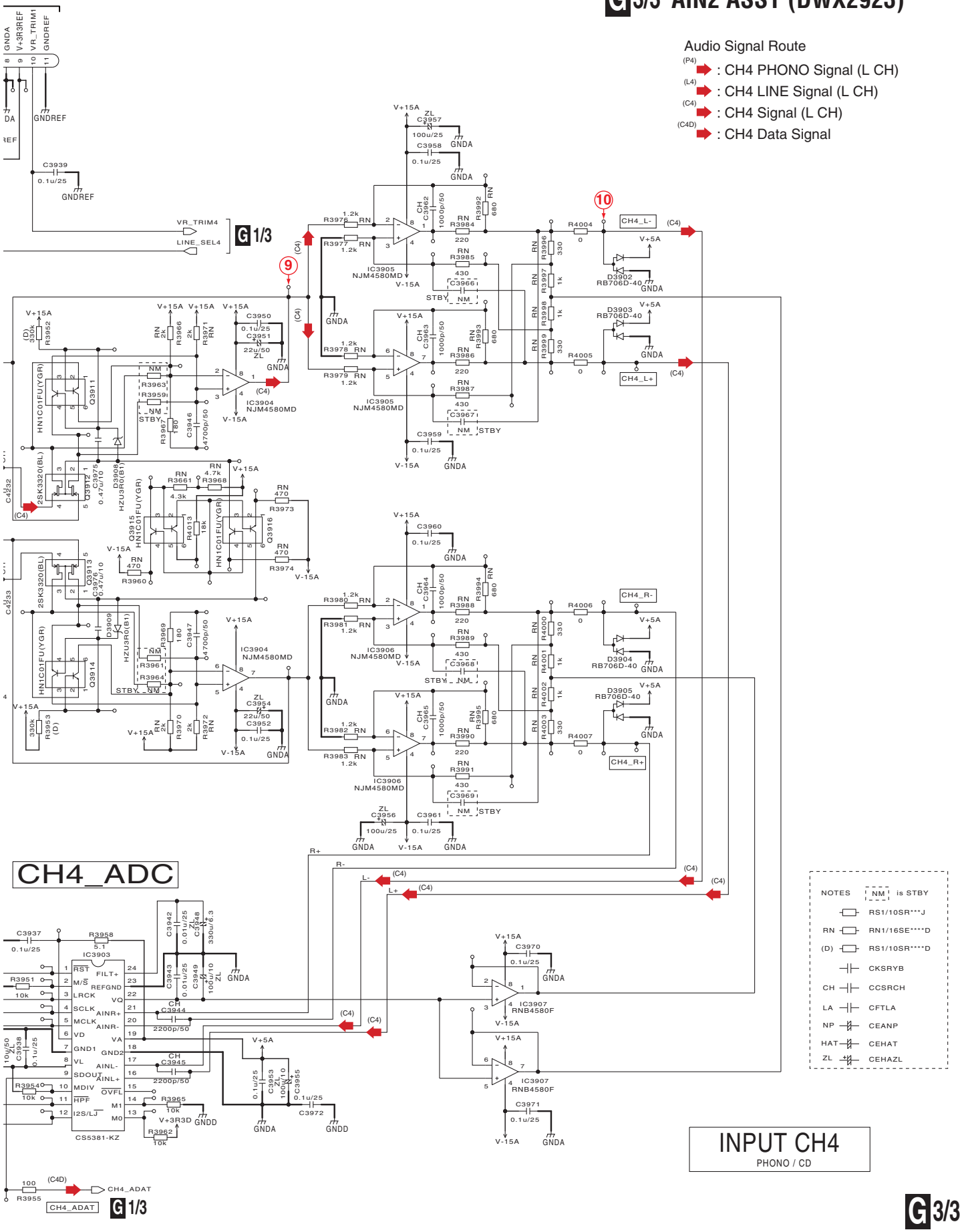
Audio Signal Route

(P4) : CH4 PHONO Signal (L CH)

(L4) : CH4 LINE Signal (L CH)

(C4) : CH4 Signal (L CH)

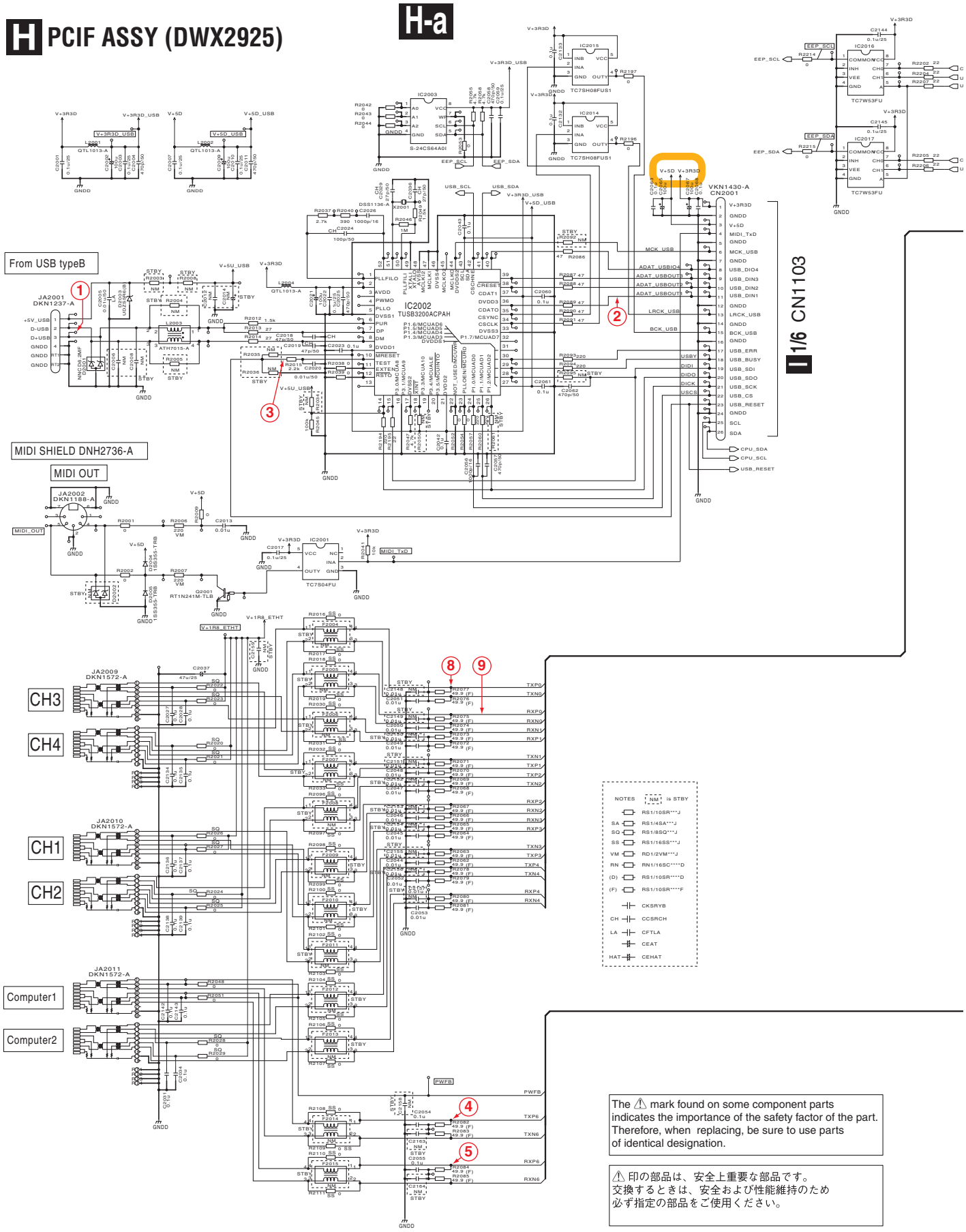
(C4D) : CH4 Data Signal



10.9 PCIF ASSY

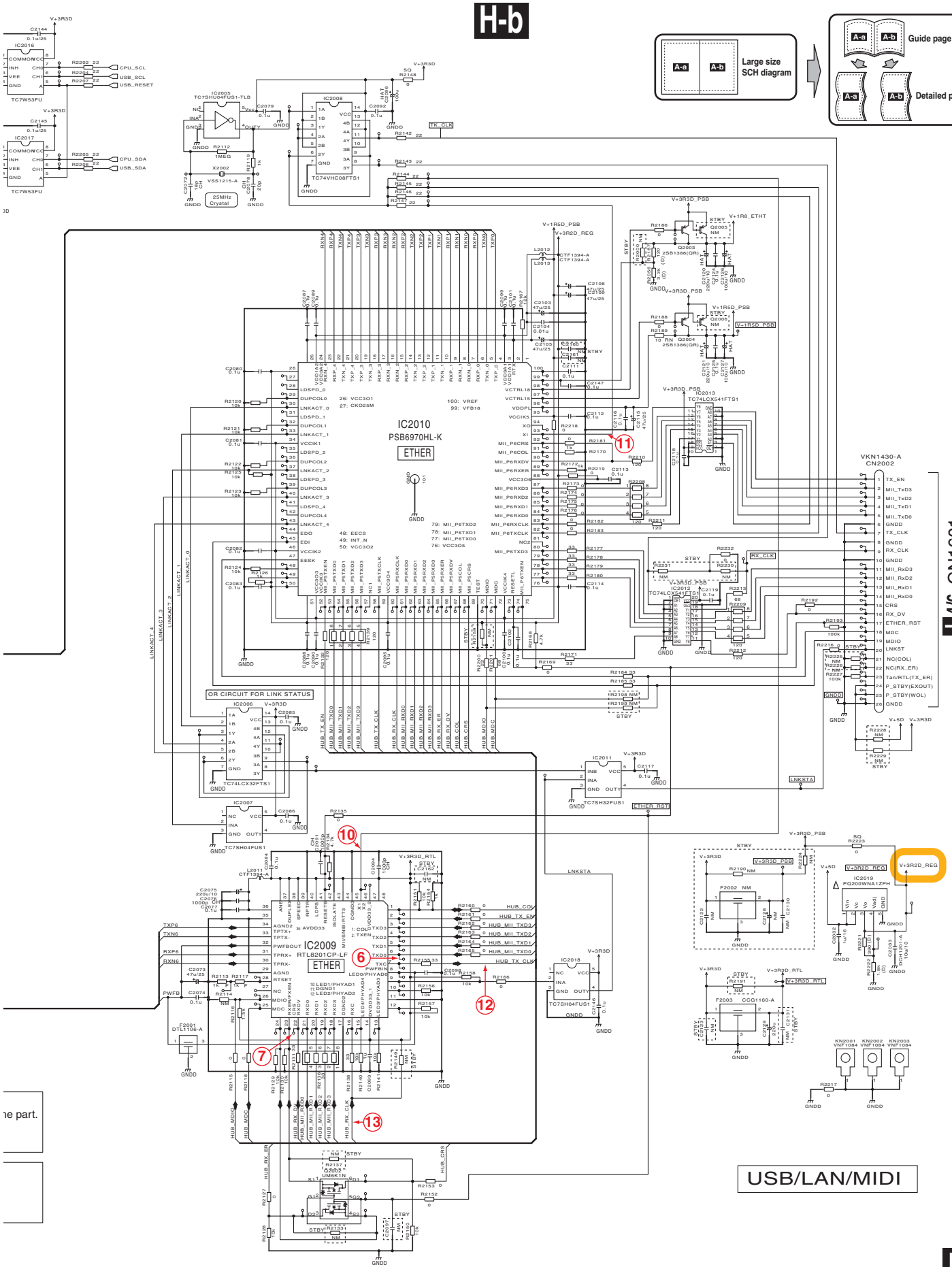
H PCIF ASSY (DWX2925)

H-a



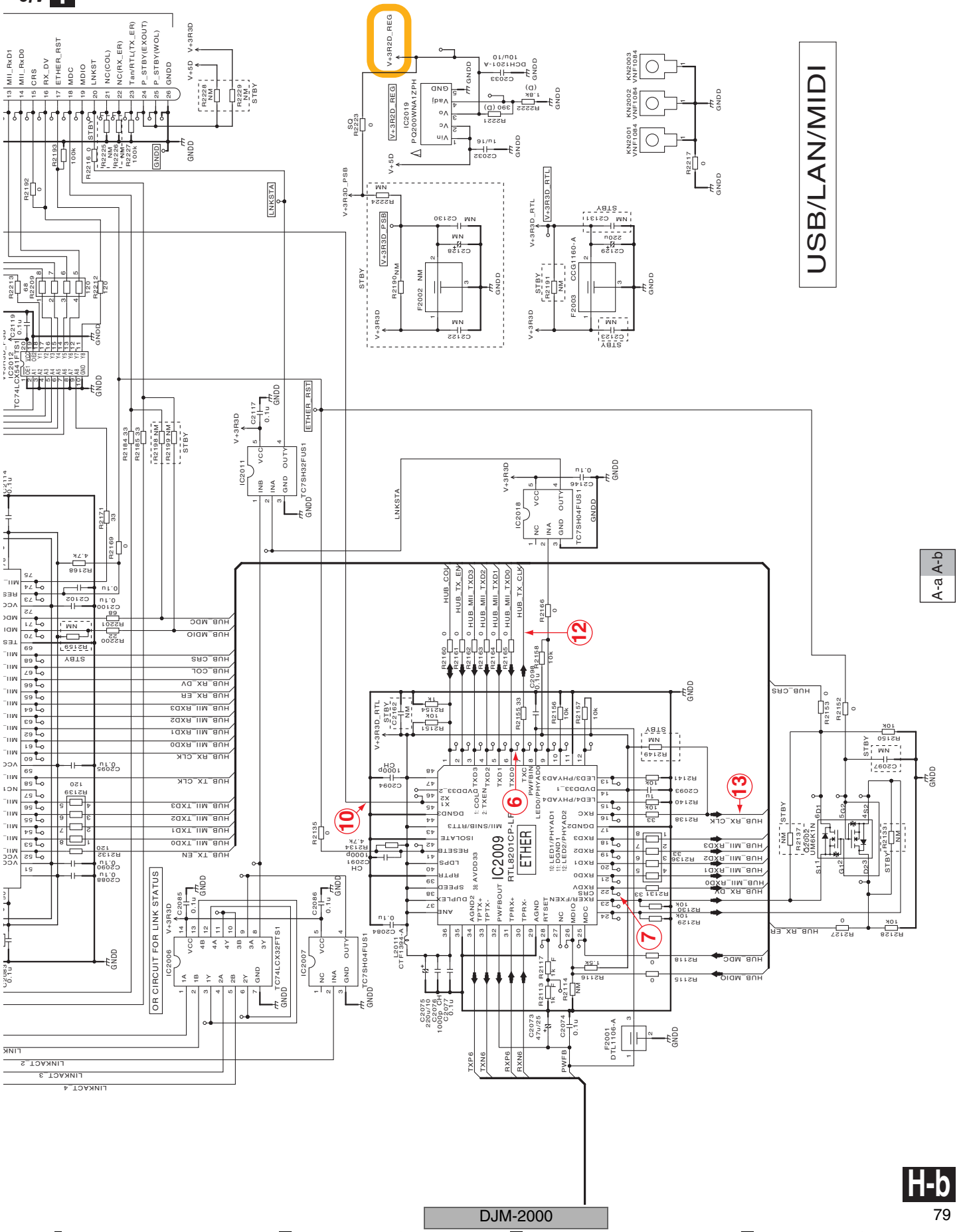
H-b

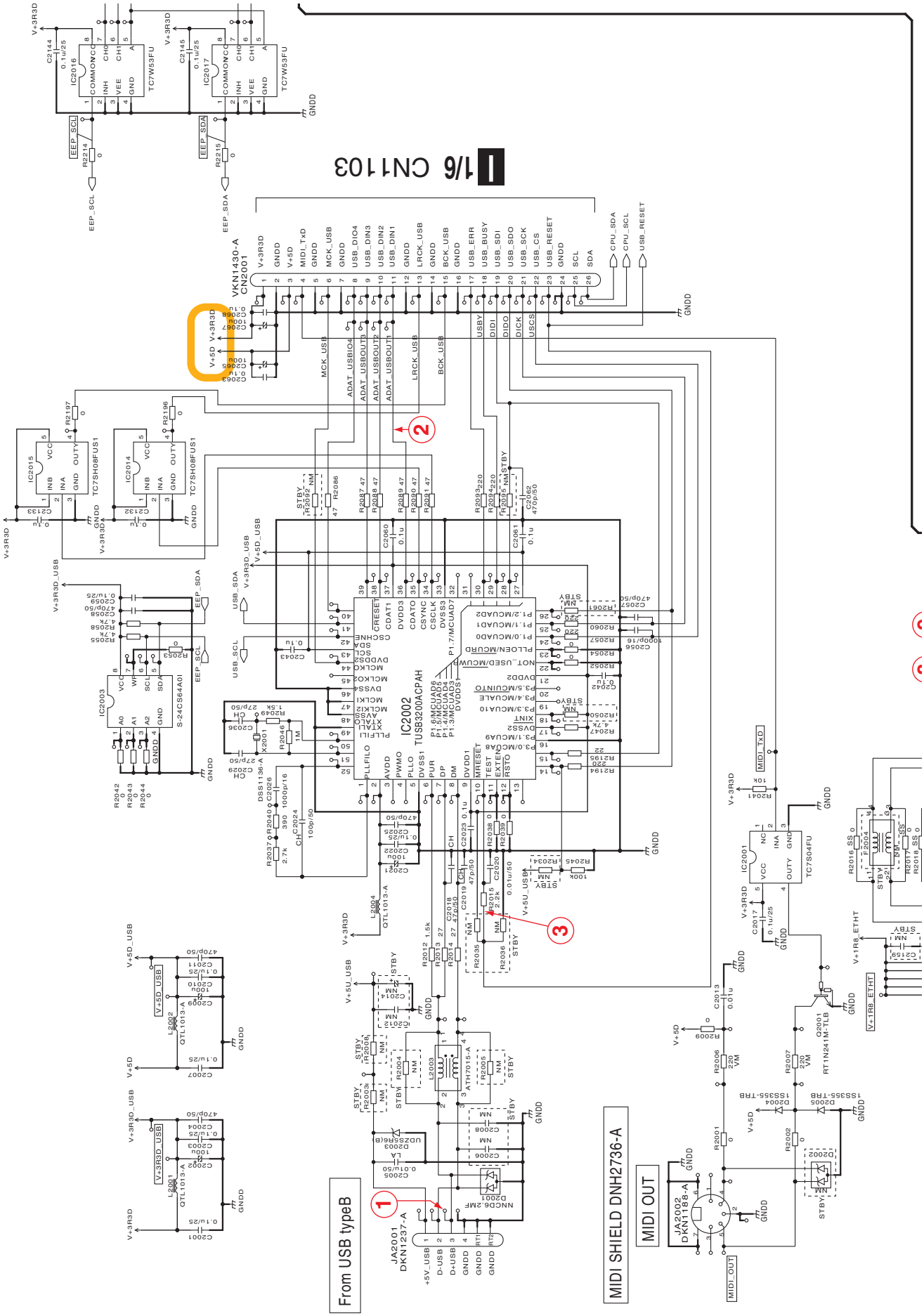
A-a
A-b
Large size SCH diagram
A-a
A-b
Guide page
A-a
A-b
Detailed page

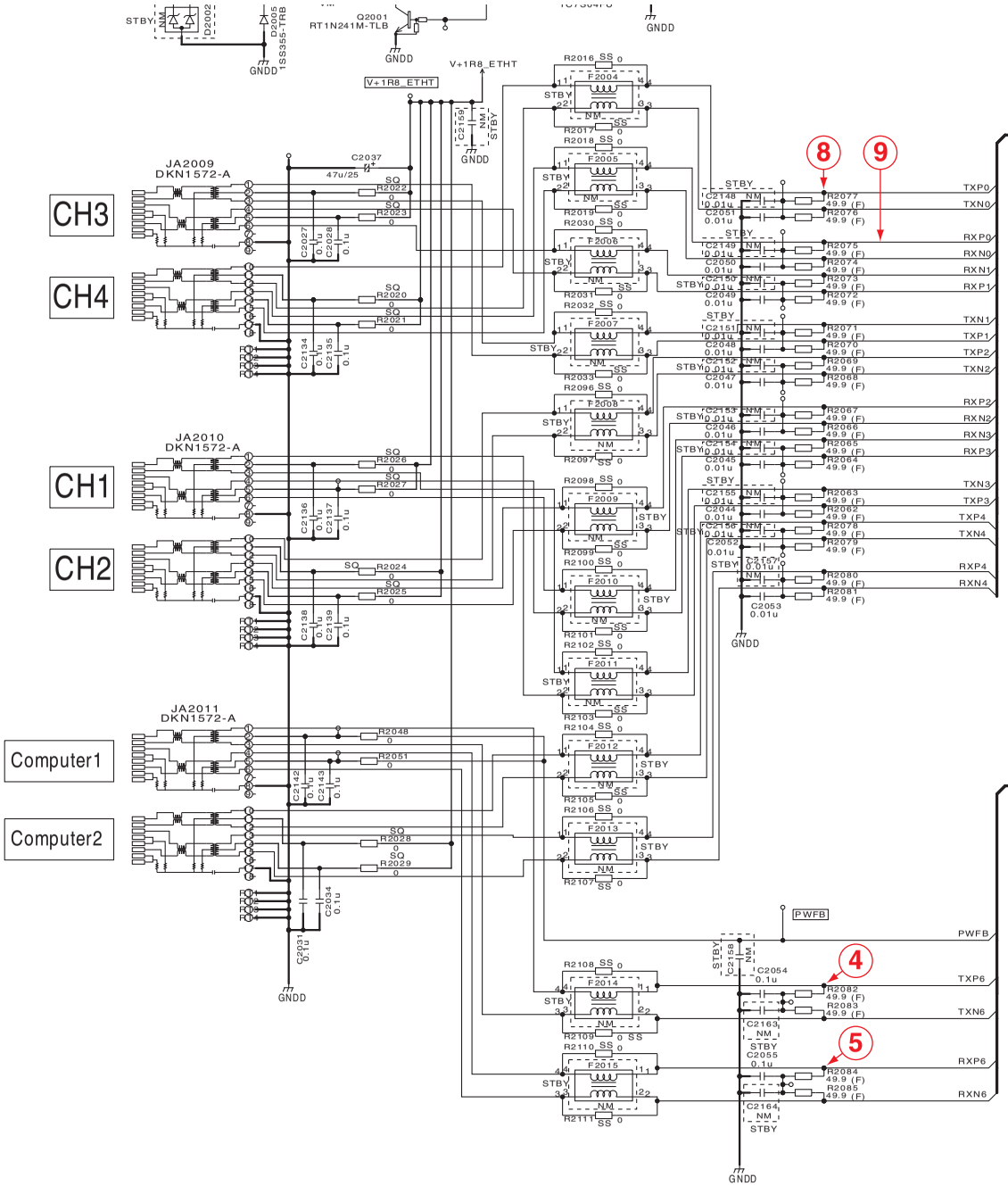

IC2010
PSB6970HL-K
ETHER
IC2009
RTL8201CP-LF
ETHER
IC2005
TC7SHU04FUS1-TLB
IC2008
TC74VHC08FTS1
IC2006
TC74LCX32FTS1
IC2007
TC7SH04FUS1
IC2011
TC7SH32FUS1
IC2012
TC74LCX541FTS1
IC2013
TC74LCX541FTS1
IC2016
TC7W53FU
IC2017
TC7W53FU
IC2018
TC7SH04FUS1
IC2019
PQ200WNA1ZPH
VKN1430-A
CN2002
CN1601
4/6
OR CIRCUIT FOR LINK STATUS
USB/LAN/MIDI
DJM-2000
V+3R3D
V+3R3D_PSB
V+3R3D_RTL
V+3R2D_REG
V+1R5D_PSB
V+1R8_ETHT
V+5D
GNDD
LNKSTA
ETHER_RST
RX_CLK
TK_CLK
25MHz Crystal
X2002
VSS1215-A
F2001 DTL1106-A
F2002 NM
F2003 CCG1160-A
KN2001 VNF1084
KN2002 VNF1084
KN2003 VNF1084

4/6

USB/LAN/MIDI




1/6 CN1103
VKN1430-A
CN2001
IC2002
TUSB3200ACPAH
From USB typeB
MIDI SHIELD DNH2736-A
MIDI OUT



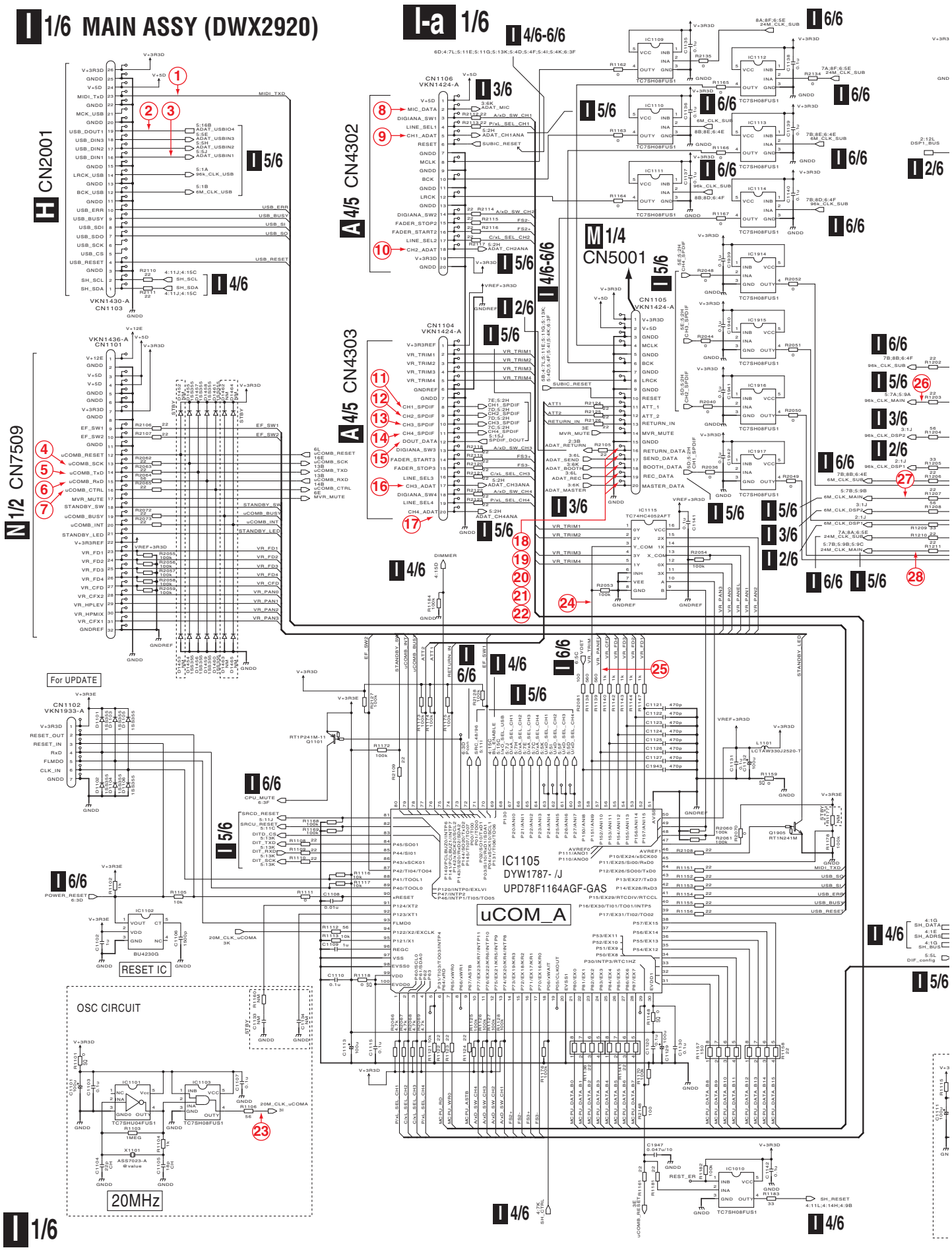
NOTES NM is STBY

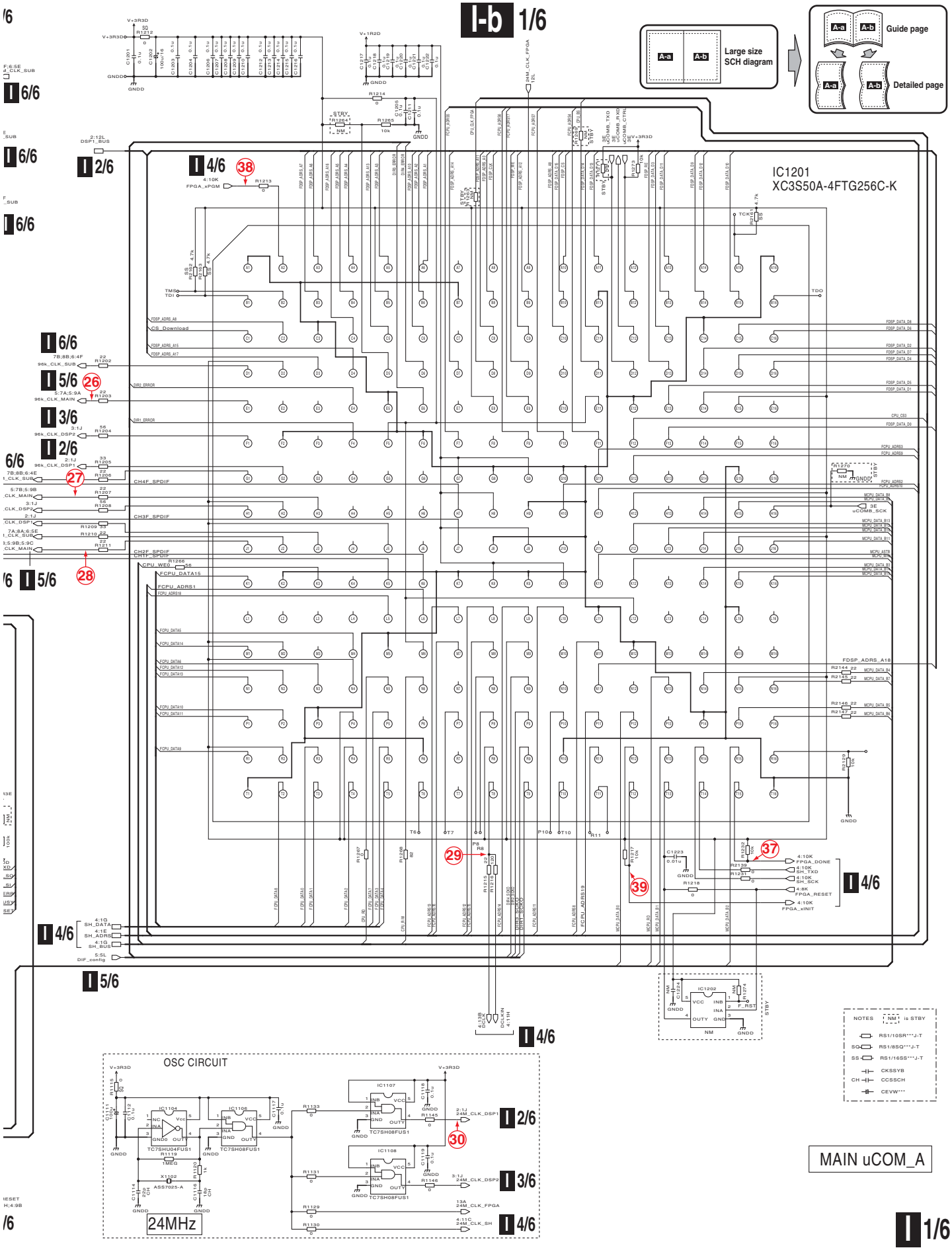
	RS1/10SR***J
SA	RS1/4SA***J
SQ	RS1/8SQ***J
SS	RS1/16SS***J
VM	RD1/2VM***J
RN	RN1/16SC****D
(D)	RS1/10SR****D
(F)	RS1/10SR****F
	CKSRYB
CH	CCSRCH
LA	CFTLA
	CEAT
HAT	CEHAT

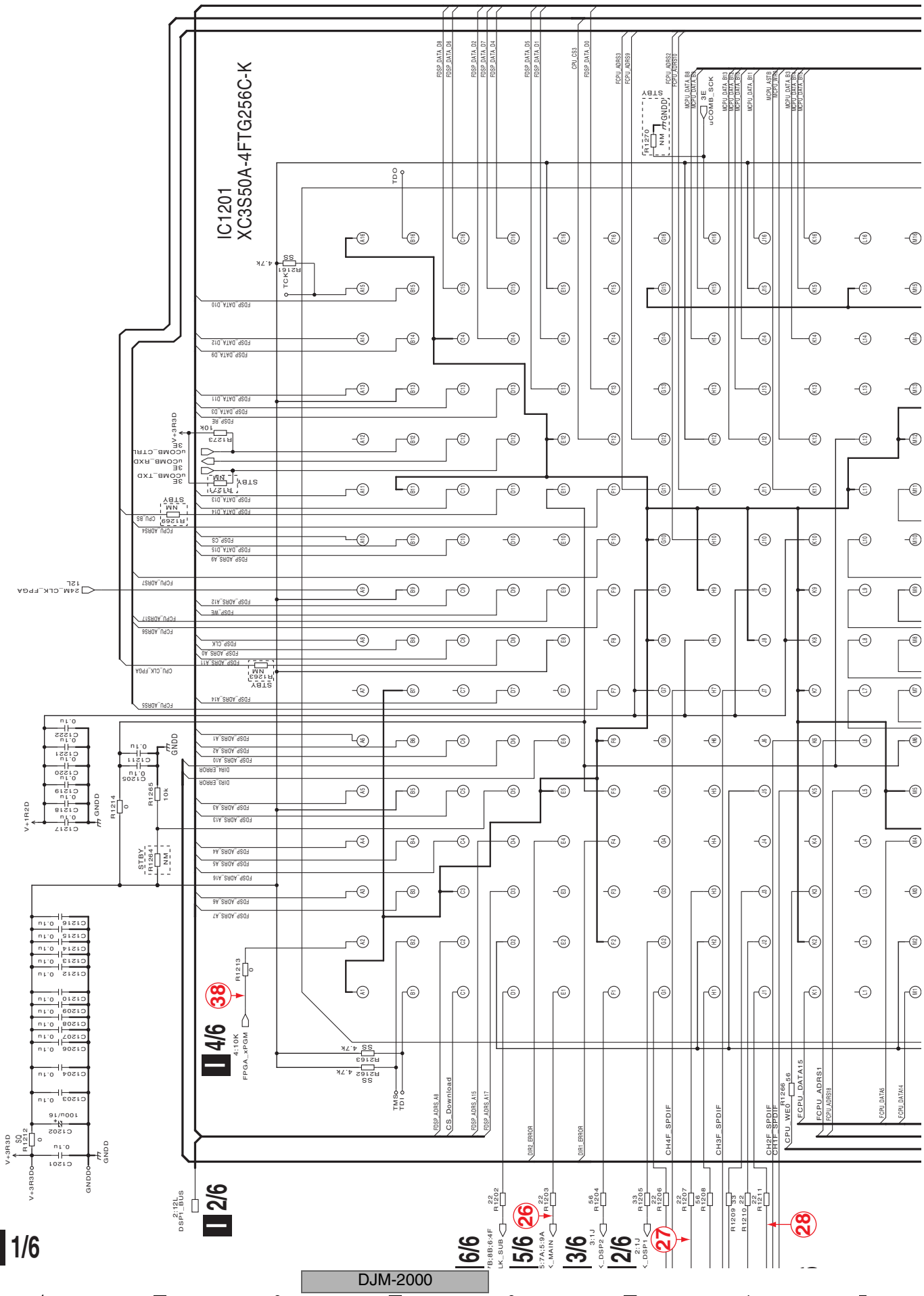
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

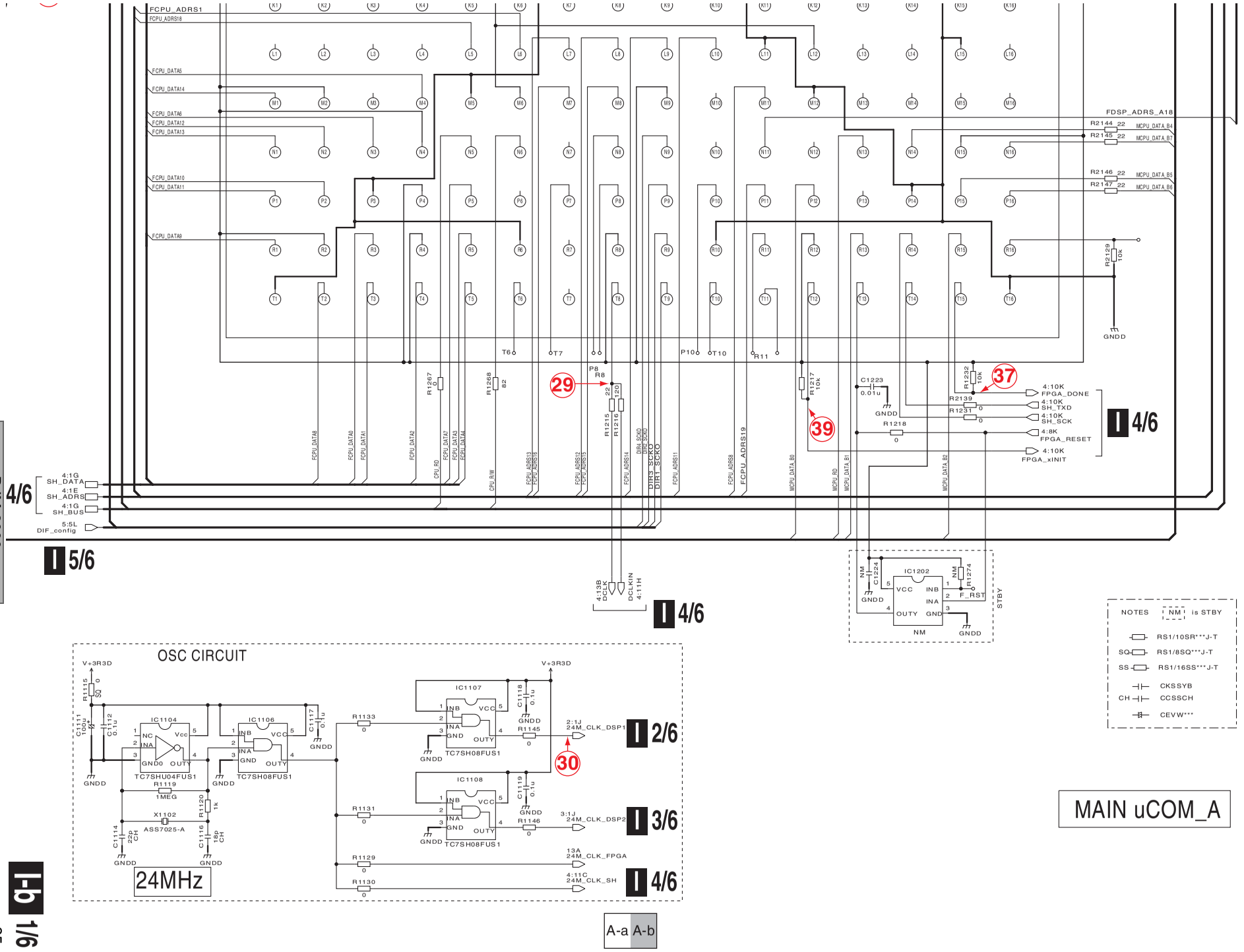
⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

10.10 MAIN ASSY (1/6)

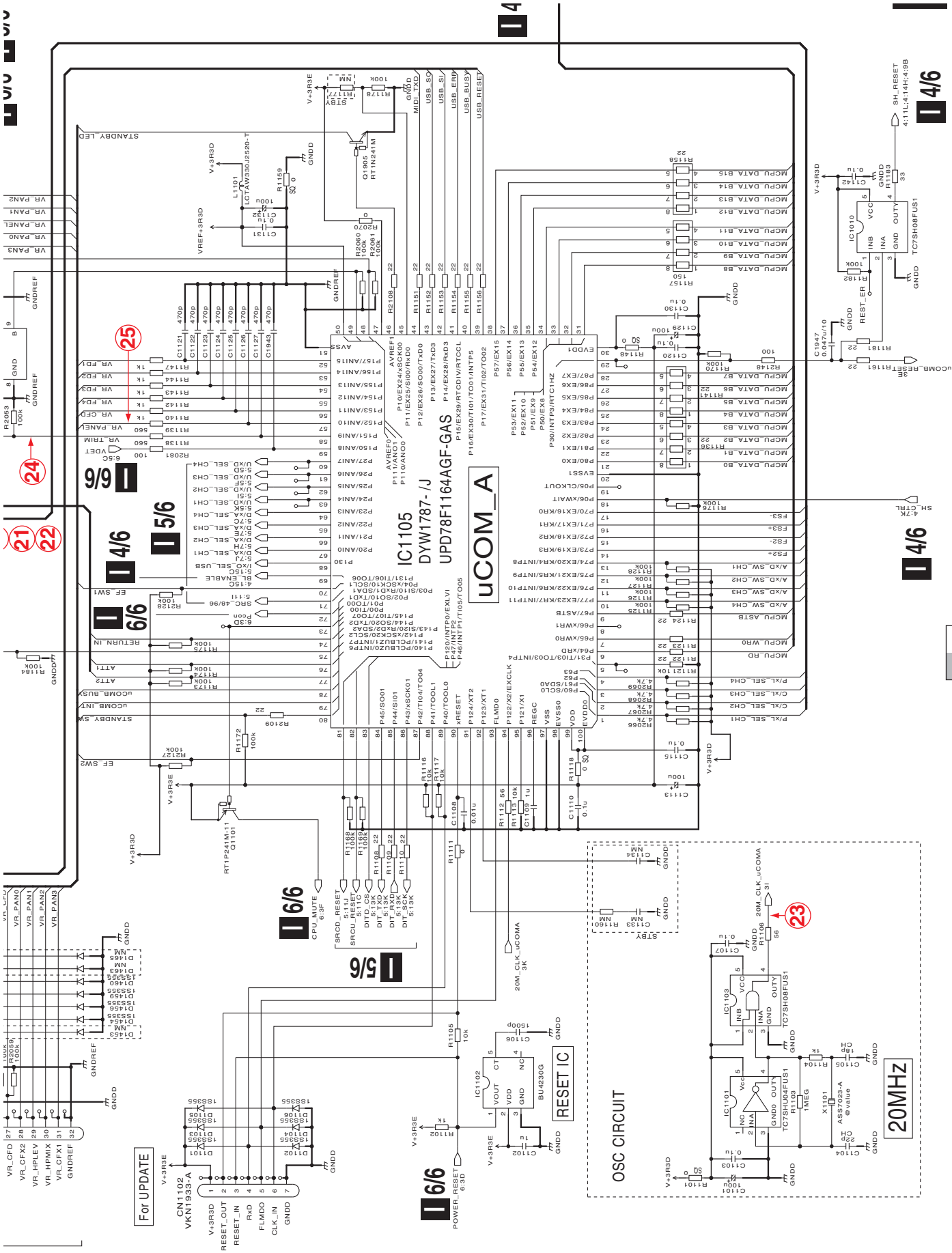



Large size SCH diagram
A-a
A-b
Guide page
Detailed page
IC1201
XC3S50A-4FTG256C-K
OSC CIRCUIT
24MHz
MAIN uCOM_A
NOTES
NM is STBY
RS1/10SR***J-T
RS1/8SQ***J-T
RS1/16SS***J-T
CKSSYB
CCSSCH
CEVW***

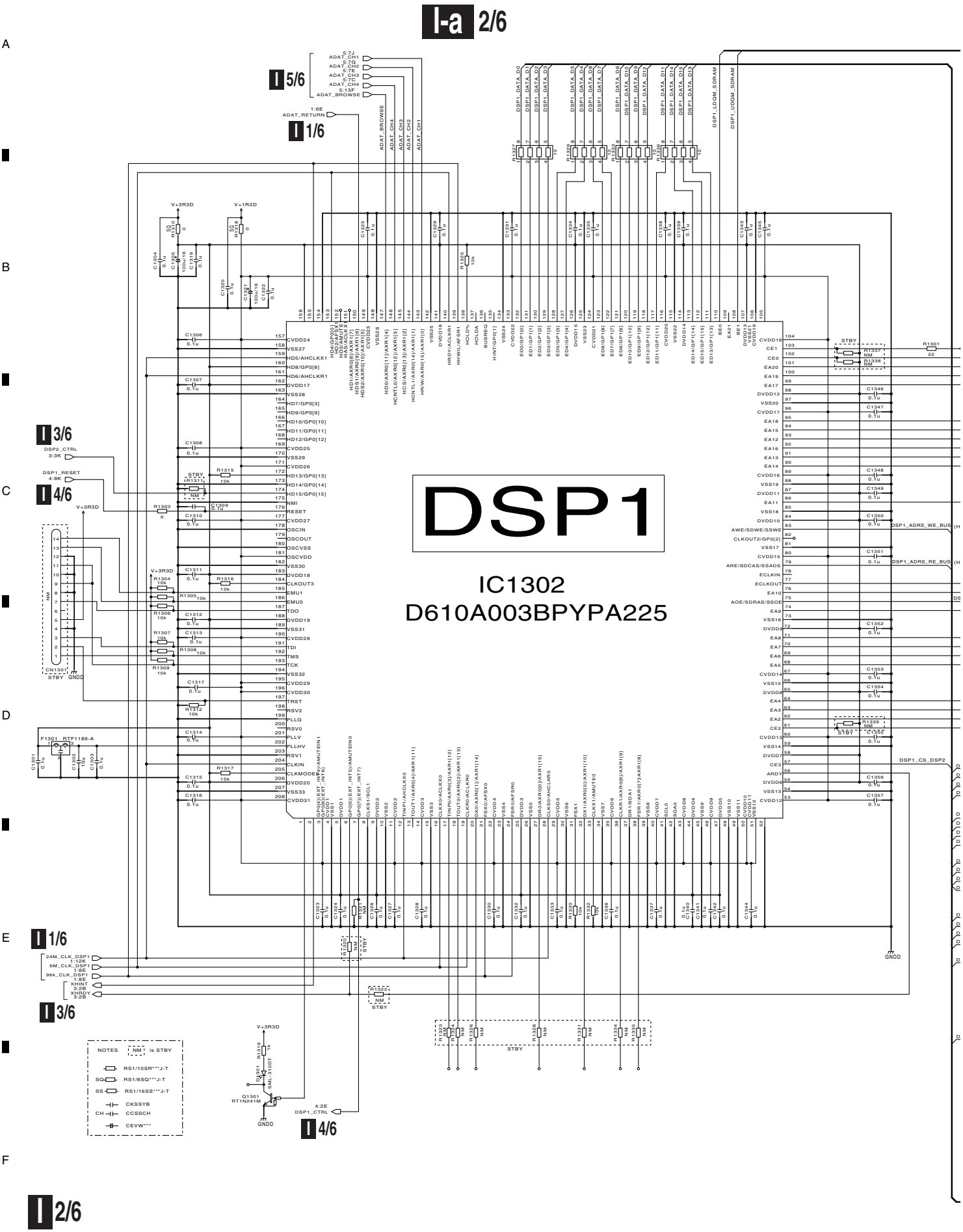

IC1201
XC3S50A-4FTG256C-K
4/6
2/6
6/6
5/6
3/6
2/6
26
27
28
38
A-a A-b
I-b 1/6


FCPU_ADRS1
FCPU_ADRS18
FCPU_DATA6
FCPU_DATA14
FCPU_DATA6
FCPU_DATA12
FCPU_DATA13
FCPU_DATA10
FCPU_DATA11
FCPU_DATA9
FDSP_ADRS_A18
R2144 22 MCPU_DATA_B4
R2145 22 MCPU_DATA_B7
R2146 22 MCPU_DATA_B5
R2147 22 MCPU_DATA_B6
R2129 10K
GNDD
T6
T7
P8
R8
P10
T10
R11
R1267 0
R1268 82
29
R1215 22
R1216 120
R1217 10k
39
C1223 0.01u
R1218 0
R1232 10K
37
R2139 0
R1231 0
4:10K FPGA_DONE
4:10K SH_TXD
4:10K SH_SCK
4:8K FPGA_RESET
4:10K FPGA_xINIT
I 4/6
4:1G SH_DATA
4:1E SH_ADRS
4:1G SH_BUS
5:5L DIF_config
4/6
I 5/6
FCPU_DATA8
FCPU_DATA0
FCPU_DATA1
FCPU_DATA2
FCPU_DATA7
FCPU_DATA3
FCPU_DATA4
FCPU_DATA5
CPU_RD
CPU_R/W
FCPU_ADRS13
FCPU_ADRS16
FCPU_ADRS12
FCPU_ADRS15
FCPU_ADRS14
DIR4_SCKO
DIR2_SCKO
DIR3_SCKO
DIR1_SCKO
FCPU_ADRS11
FCPU_ADRS8
FCPU_ADRS19
MCPU_DATA_B0
MCPU_RD
MCPU_DATA_B1
MCPU_DATA_B2
4:13B DCLK
DCLK/N 4:11H
I 4/6
IC1202
NM C1224
NM R1274
F_RST
VCC INB INA OUTY GND
GNDD
NM
STBY
NOTES
NM is STBY
RS1/10SR***J-T
RS1/8SQ***J-T
RS1/16SS***J-T
CKSSYB
CCSSCH
CEVW***
OSC CIRCUIT
V+3R3D
R1115 0
C1111 0.1u
C1112 0.1u
IC1104
TC7SHU04FUS1
C1117 0.1u
IC1106
TC7SH08FUS1
R1119 1MEG
R1120 1k
X1102
ASS7025-A
C1114 22p CH
C1116 22p CH
24MHz
R1133 0
R1131 0
R1129 0
R1130 0
IC1107
C1118 0.1u
R1145 0
2:1J 24M_CLK_DSP1
30
IC1108
C1119 0.1u
R1146 0
3:1J 24M_CLK_DSP2
I 2/6
I 3/6
13A 24M_CLK_FPGA
4:11C 24M_CLK_SH
I 4/6
A-a A-b
MAIN uCOM_A

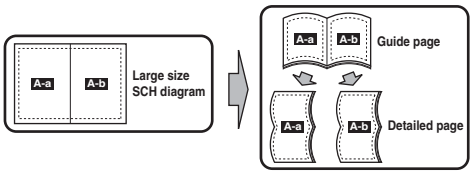
A-a A-b
CN1106 VKN1424-A
CN1104 VKN1424-A
CN1105 VKN1424-A
CN5001
A 4/5 CN4302
A 4/5 CN4303
H CN2001
N 1/2 CN7509
VKN1436-A CN1101
VKN1430-A CN1103
MIC_DATA
DIGIANA_SW1
LINE_SEL1
CH1_ADAT
RESET
DIGIANA_SW2
FADER_STOP2
FADER_START2
LINE_SEL2
CH2_ADAT
VR_TRIM1
VR_TRIM2
VR_TRIM3
VR_TRIM4
CH1_SPDIF
CH2_SPDIF
CH3_SPDIF
CH4_SPDIF
DOUT_DATA
DIGIANA_SW3
FADER_START3
FADER_STOP3
LINE_SEL3
CH3_ADAT
DIGIANA_SW4
LINE_SEL4
CH4_ADAT
MIDI_TXD
USB_ERR
USB_BUSY
USB_SI
USB_SO
USB_RESET
USB_DOUT1
USB_DIN3
USB_DIN2
USB_DIN1
LRCK_USB
BCK_USB
MCK_USB
USB_SDO
USB_SCK
USB_CS
SH_SCL
SH_SDA
uCOMB_RESET
uCOMB_SCK
uCOMB_TXD
uCOMB_RXD
uCOMB_CTRL
MVR_MUTE
STANDBY_SW
uCOMB_BUSY
uCOMB_INT
STANDBY_LED
VR_FD1
VR_FD2
VR_FD3
VR_FD4
VR_CFD
VR_PAN0
VR_PAN1
VR_PAN2
VR_PAN3
VR_HPLEV
VR_HPMIX
VR_CFX1
VR_CFX2
DIMMER
RETURN_DATA
SEND_DATA
BOOTH_DATA
REC_DATA
MASTER_DATA
VR_TRIM1
VR_TRIM2
VR_TRIM3
VR_TRIM4
6M_CLK_MAIN
6M_CLK_DSP2
6M_CLK_DSP1
24M_CLK_MAIN
96k_CLK_SUB
6M_CLK_SUB
24M_CLK_SUB

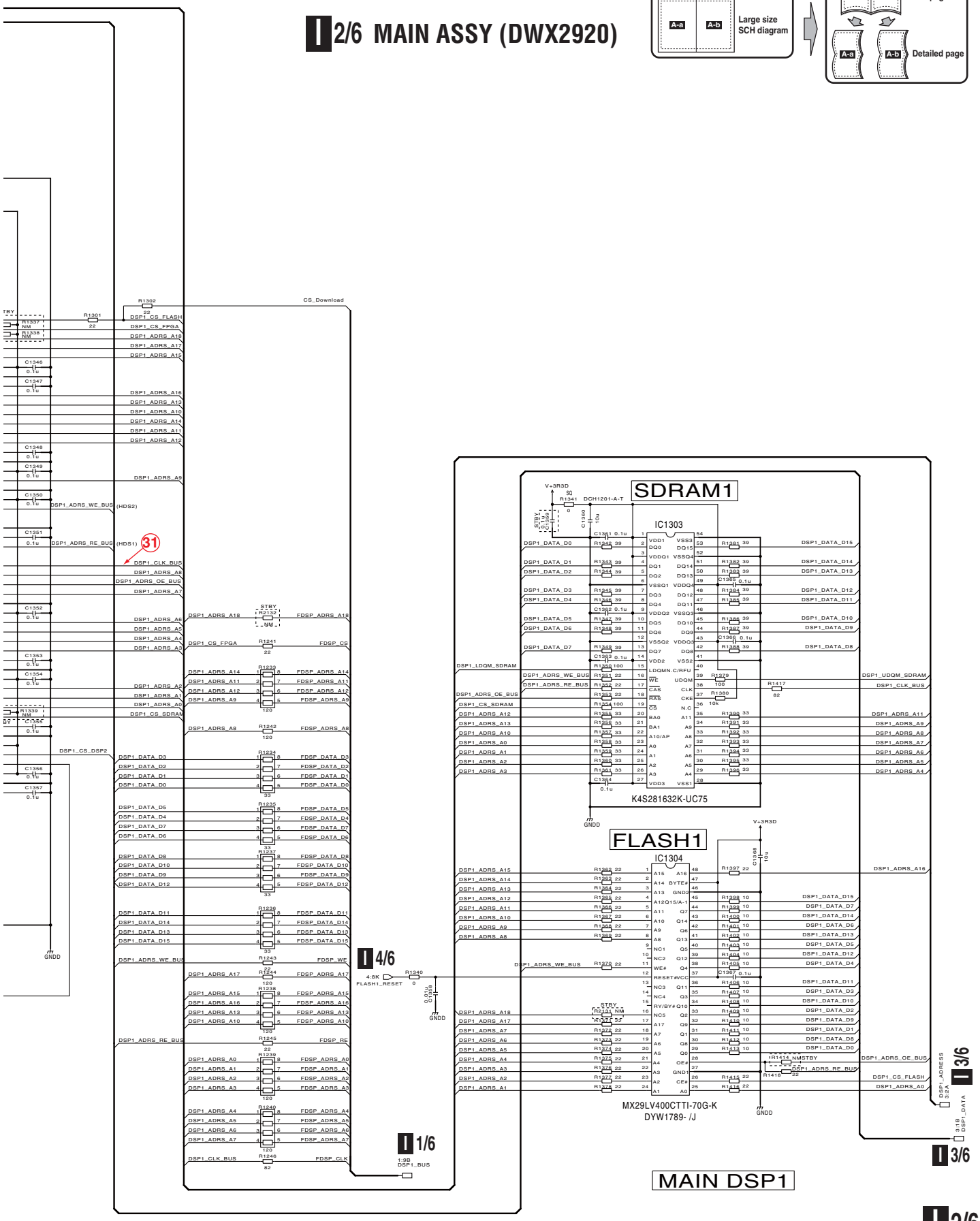

uCOM_A
IC1105
DYW1787- /J
UPD78F1164AGF-GAS
RESET IC
OSC CIRCUIT
20MHz
For UPDATE
CN1102
VKN1933-A
I 4/6
I 5/6
I 6/6
I 9/9
I-a 1/6

10.11 MAIN ASSY (2/6)



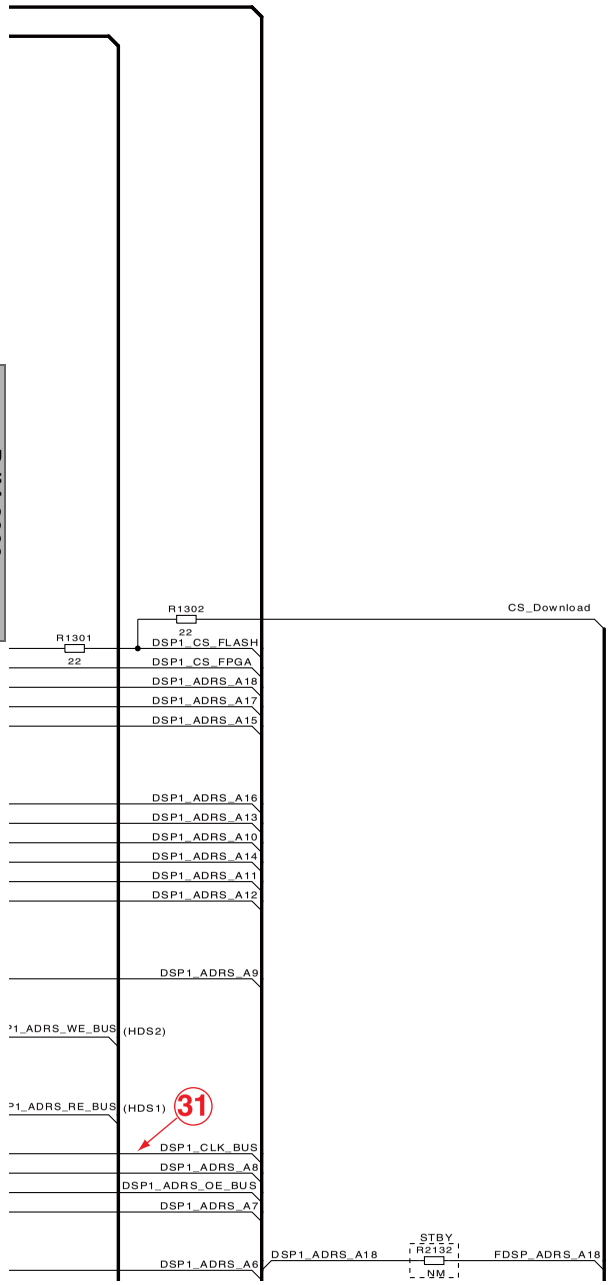
I 2/6 MAIN ASSY (DWX2920)

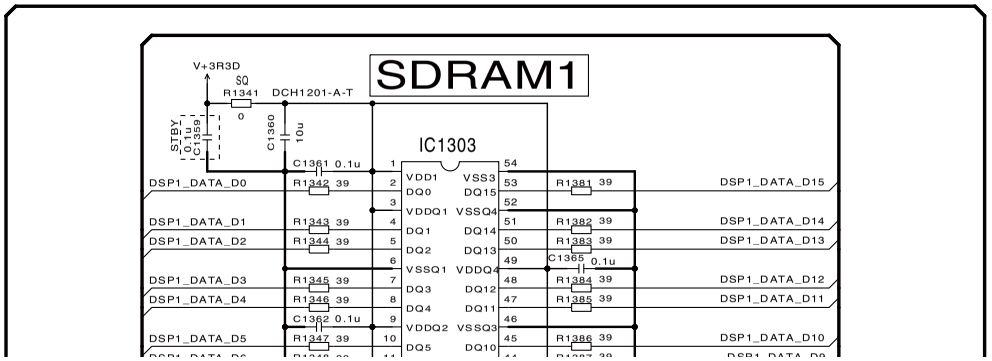


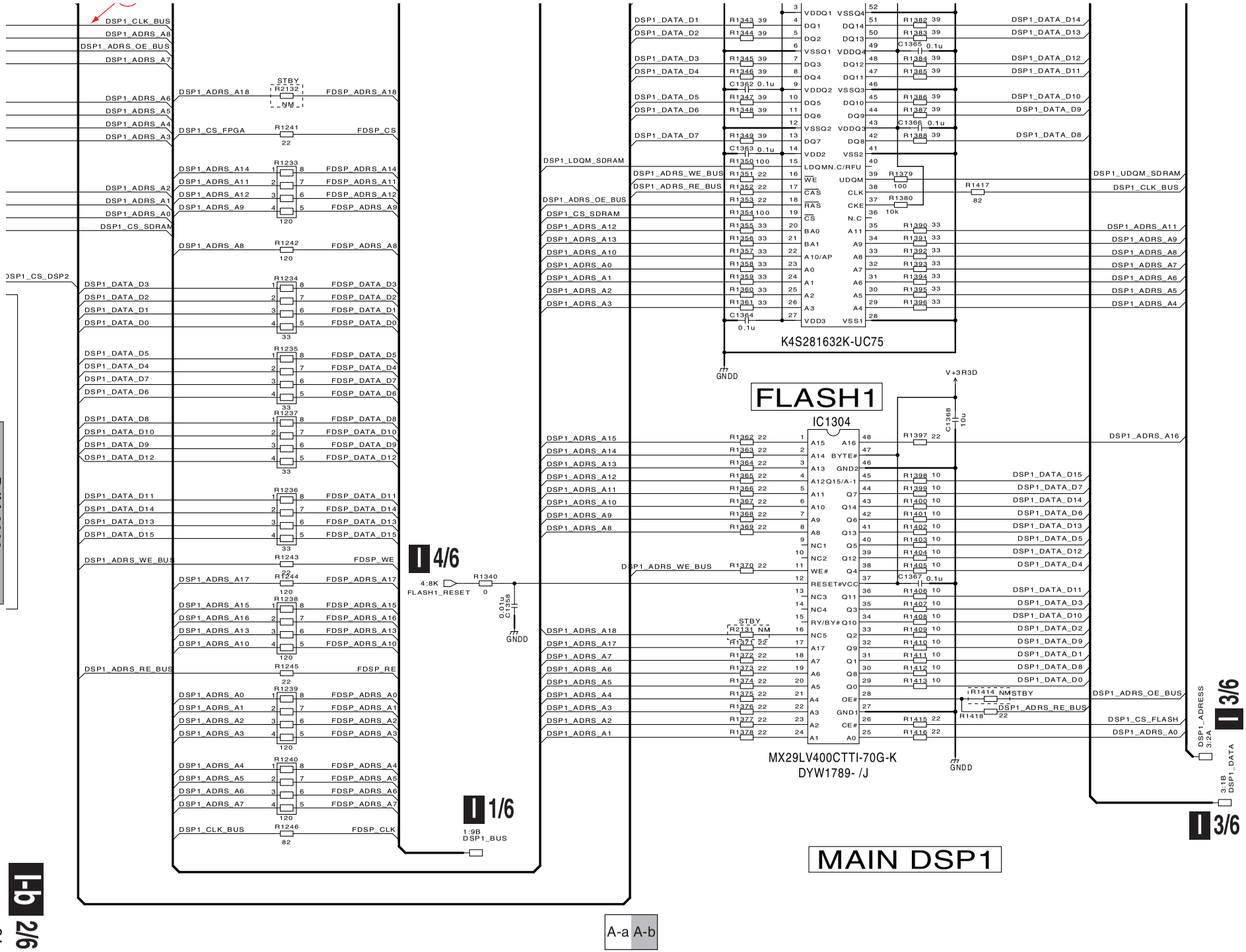


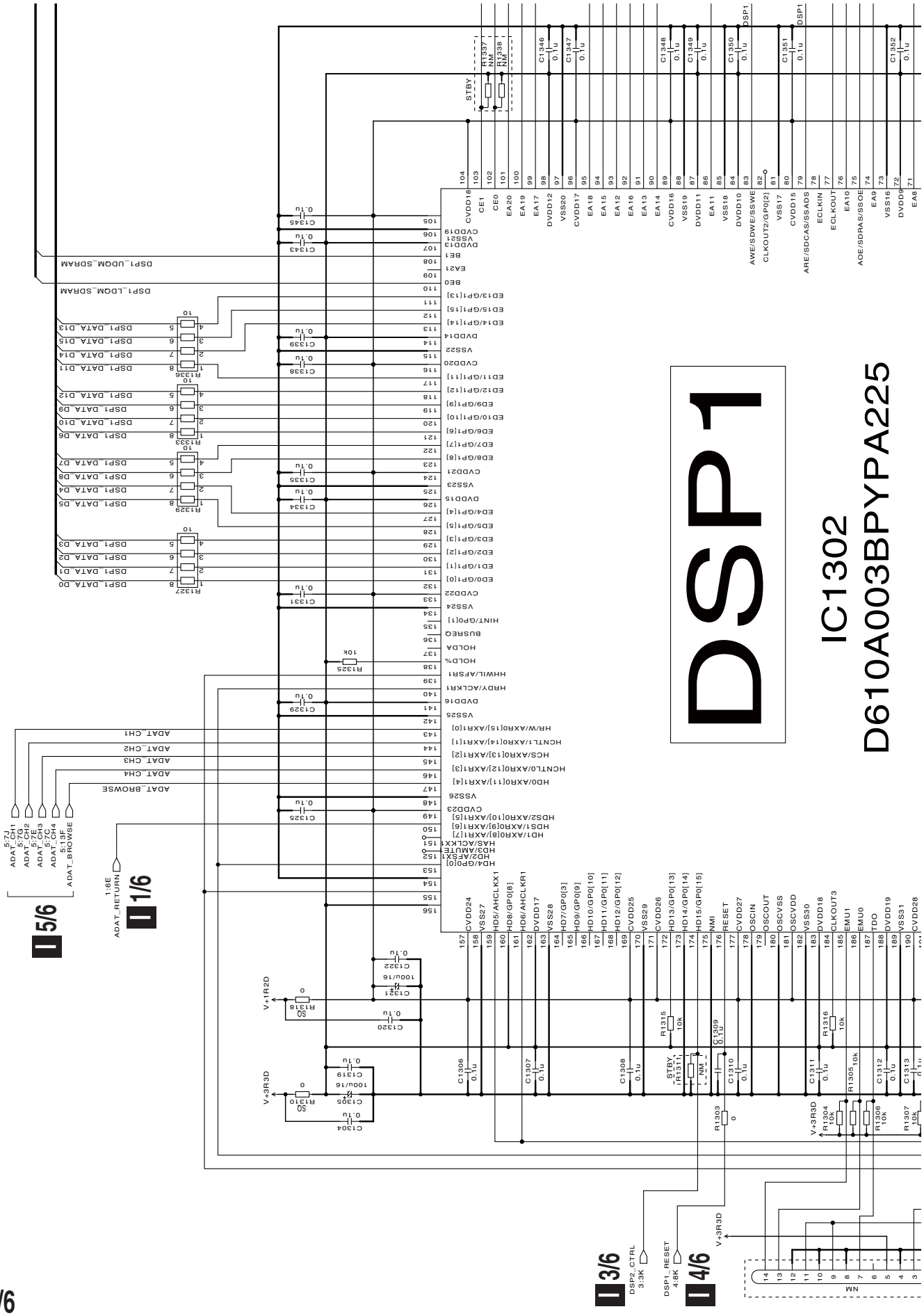
I 2/6 MAIN ASSY (DWX2920)

DJM-2000

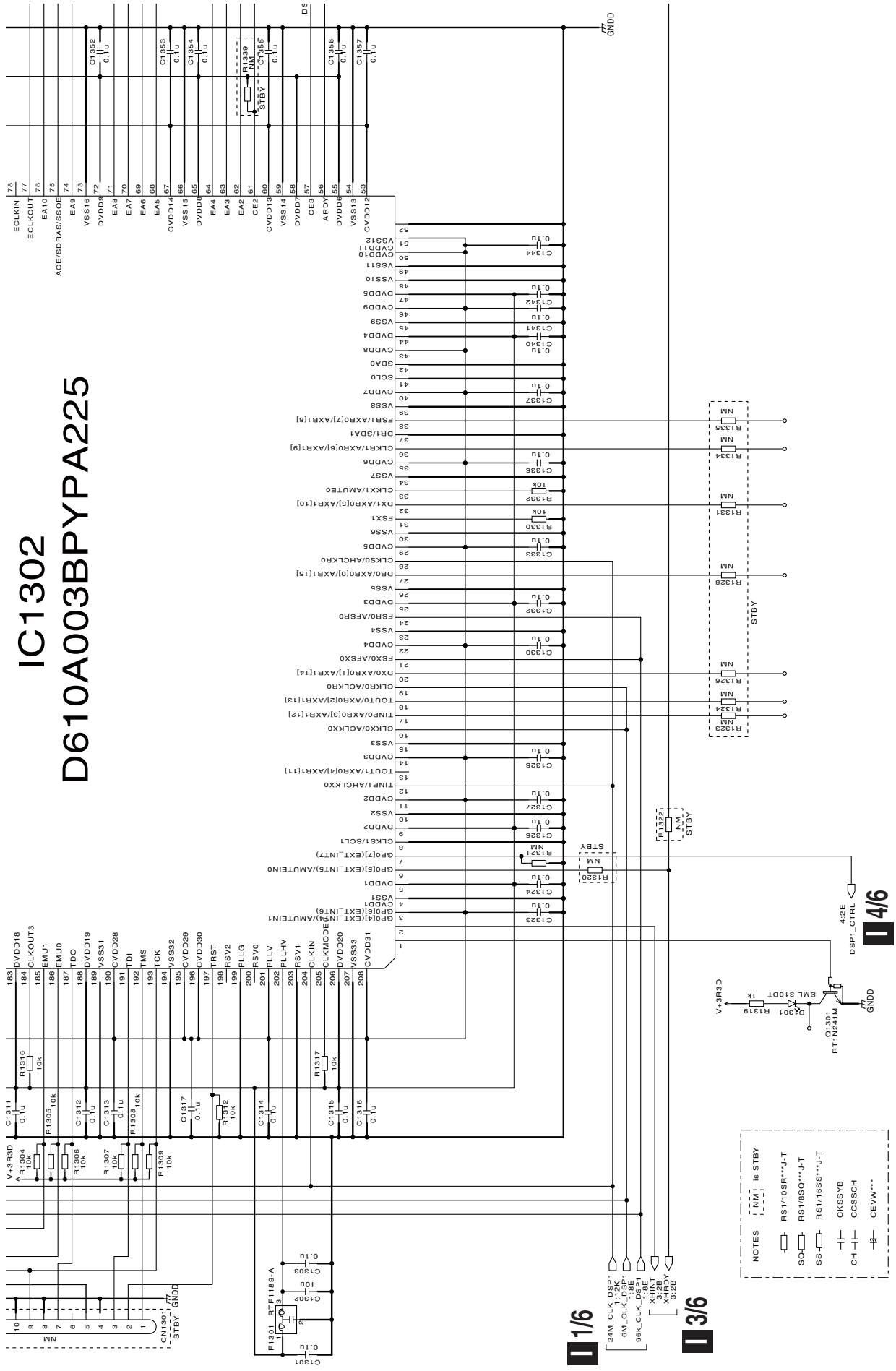




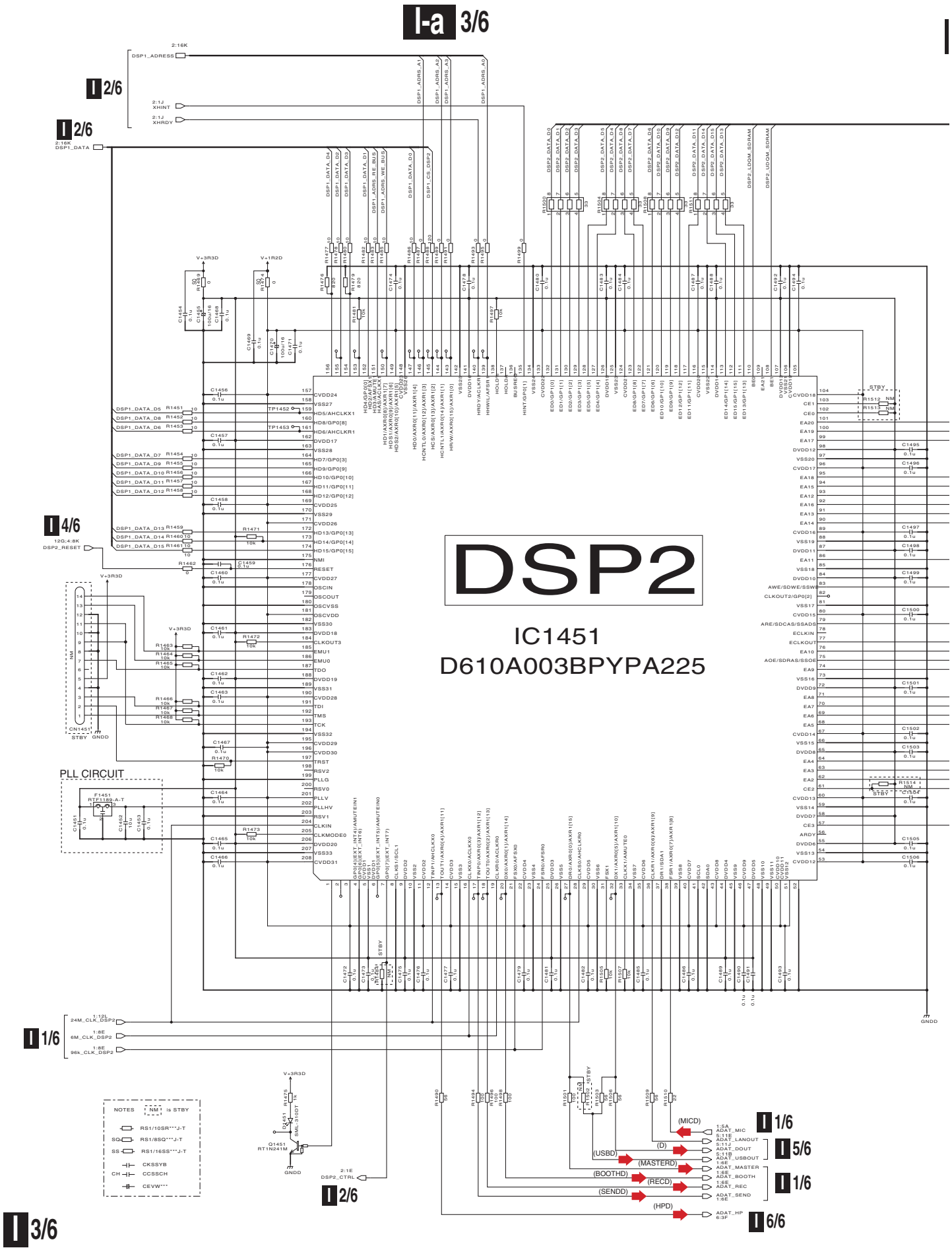

FLASH1
MAIN DSP1
K4S281632K-UC75
MX29LV400CTTI-70G-K
DYW1789- /J
IC1304
DJM-2000
I-b 2/6
91
A-a A-b
I 1/6
I 3/6
I 4/6
DSP1_CLK_BUS
DSP1_ADRS_A6
DSP1_ADRS_OE_BUS
DSP1_ADRS_A7
DSP1_ADRS_A5
DSP1_ADRS_A4
DSP1_ADRS_A3
DSP1_ADRS_A2
DSP1_ADRS_A1
DSP1_ADRS_A0
DSP1_CS_SDRAM
DSP1_CS_DSP2
DSP1_ADRS_A18
DSP1_CS_FPGA
DSP1_ADRS_A14
DSP1_ADRS_A11
DSP1_ADRS_A12
DSP1_ADRS_A9
DSP1_ADRS_A8
DSP1_DATA_D3
DSP1_DATA_D2
DSP1_DATA_D1
DSP1_DATA_D0
DSP1_DATA_D5
DSP1_DATA_D4
DSP1_DATA_D7
DSP1_DATA_D6
DSP1_DATA_D8
DSP1_DATA_D10
DSP1_DATA_D9
DSP1_DATA_D12
DSP1_DATA_D11
DSP1_DATA_D14
DSP1_DATA_D13
DSP1_DATA_D15
DSP1_ADRS_WE_BUS
DSP1_ADRS_A17
DSP1_ADRS_A15
DSP1_ADRS_A16
DSP1_ADRS_A13
DSP1_ADRS_A10
DSP1_ADRS_RE_BUS
DSP1_ADRS_A0
DSP1_ADRS_A1
DSP1_ADRS_A2
DSP1_ADRS_A3
DSP1_ADRS_A4
DSP1_ADRS_A5
DSP1_ADRS_A6
DSP1_ADRS_A7
DSP1_CLK_BUS
FDSP_ADRS_A18
FDSP_CS
FDSP_ADRS_A14
FDSP_ADRS_A11
FDSP_ADRS_A12
FDSP_ADRS_A9
FDSP_ADRS_A8
FDSP_DATA_D3
FDSP_DATA_D2
FDSP_DATA_D1
FDSP_DATA_D0
FDSP_DATA_D5
FDSP_DATA_D4
FDSP_DATA_D7
FDSP_DATA_D6
FDSP_DATA_D8
FDSP_DATA_D10
FDSP_DATA_D9
FDSP_DATA_D12
FDSP_DATA_D11
FDSP_DATA_D14
FDSP_DATA_D13
FDSP_DATA_D15
FDSP_WE
FDSP_ADRS_A17
FDSP_ADRS_A15
FDSP_ADRS_A16
FDSP_ADRS_A13
FDSP_ADRS_A10
FDSP_RE
FDSP_ADRS_A0
FDSP_ADRS_A1
FDSP_ADRS_A2
FDSP_ADRS_A3
FDSP_ADRS_A4
FDSP_ADRS_A5
FDSP_ADRS_A6
FDSP_ADRS_A7
FDSP_CLK
STBY
NM
4:8K
FLASH1_RESET
1:9B
DSP1_BUS
DSP1_LDQM_SDRAM
DSP1_ADRS_WE_BUS
DSP1_ADRS_RE_BUS
DSP1_ADRS_OE_BUS
DSP1_CS_SDRAM
DSP1_ADRS_A12
DSP1_ADRS_A13
DSP1_ADRS_A10
DSP1_ADRS_A0
DSP1_ADRS_A1
DSP1_ADRS_A2
DSP1_ADRS_A3
DSP1_DATA_D1
DSP1_DATA_D2
DSP1_DATA_D3
DSP1_DATA_D4
DSP1_DATA_D5
DSP1_DATA_D6
DSP1_DATA_D7
DSP1_DATA_D8
DSP1_DATA_D9
DSP1_DATA_D10
DSP1_DATA_D11
DSP1_DATA_D12
DSP1_DATA_D13
DSP1_DATA_D14
DSP1_UDQM_SDRAM
DSP1_CLK_BUS
DSP1_ADRS_A11
DSP1_ADRS_A9
DSP1_ADRS_A8
DSP1_ADRS_A7
DSP1_ADRS_A6
DSP1_ADRS_A5
DSP1_ADRS_A4
DSP1_ADRS_A16
DSP1_ADRS_A15
DSP1_ADRS_A14
DSP1_ADRS_A13
DSP1_ADRS_A12
DSP1_ADRS_A11
DSP1_ADRS_A10
DSP1_ADRS_A9
DSP1_ADRS_A8
DSP1_ADRS_A18
DSP1_ADRS_A17
DSP1_ADRS_A7
DSP1_ADRS_A6
DSP1_ADRS_A5
DSP1_ADRS_A4
DSP1_ADRS_A3
DSP1_ADRS_A2
DSP1_ADRS_A1
DSP1_ADRS_OE_BUS
DSP1_ADRS_RE_BUS
DSP1_CS_FLASH
DSP1_ADRS_A0
DSP1_ADRESS
3:2A
DSP1_DATA
3:1B
GNDD
V+3R3D


DSP1
IC1302
D610A003BPYPA225
A-a A-b
I 5/6
I 1/6
I 3/6
I 4/6
DSP1_RESET
4:8K
DSP2_CTRL
3:3K
ADAT_RETURN
1:6E
ADAT_BROWSE
5:13F
ADAT_CH1
5:7J
ADAT_CH2
5:7G
ADAT_CH3
5:7F
ADAT_CH4
5:7C
V+3R3D
V+1R2D
STBY
DSP1_UDQM_SDRAM
DSP1_LDQM_SDRAM
DSP1_DATA_D0
DSP1_DATA_D1
DSP1_DATA_D2
DSP1_DATA_D3
DSP1_DATA_D4
DSP1_DATA_D5
DSP1_DATA_D6
DSP1_DATA_D7
DSP1_DATA_D8
DSP1_DATA_D9
DSP1_DATA_D10
DSP1_DATA_D11
DSP1_DATA_D12
DSP1_DATA_D13
DSP1_DATA_D14
DSP1_DATA_D15

IC1302
D610A003BPYPA225

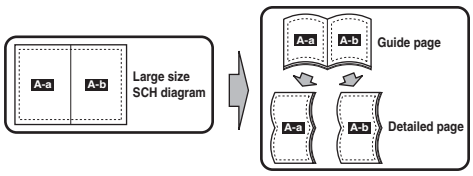


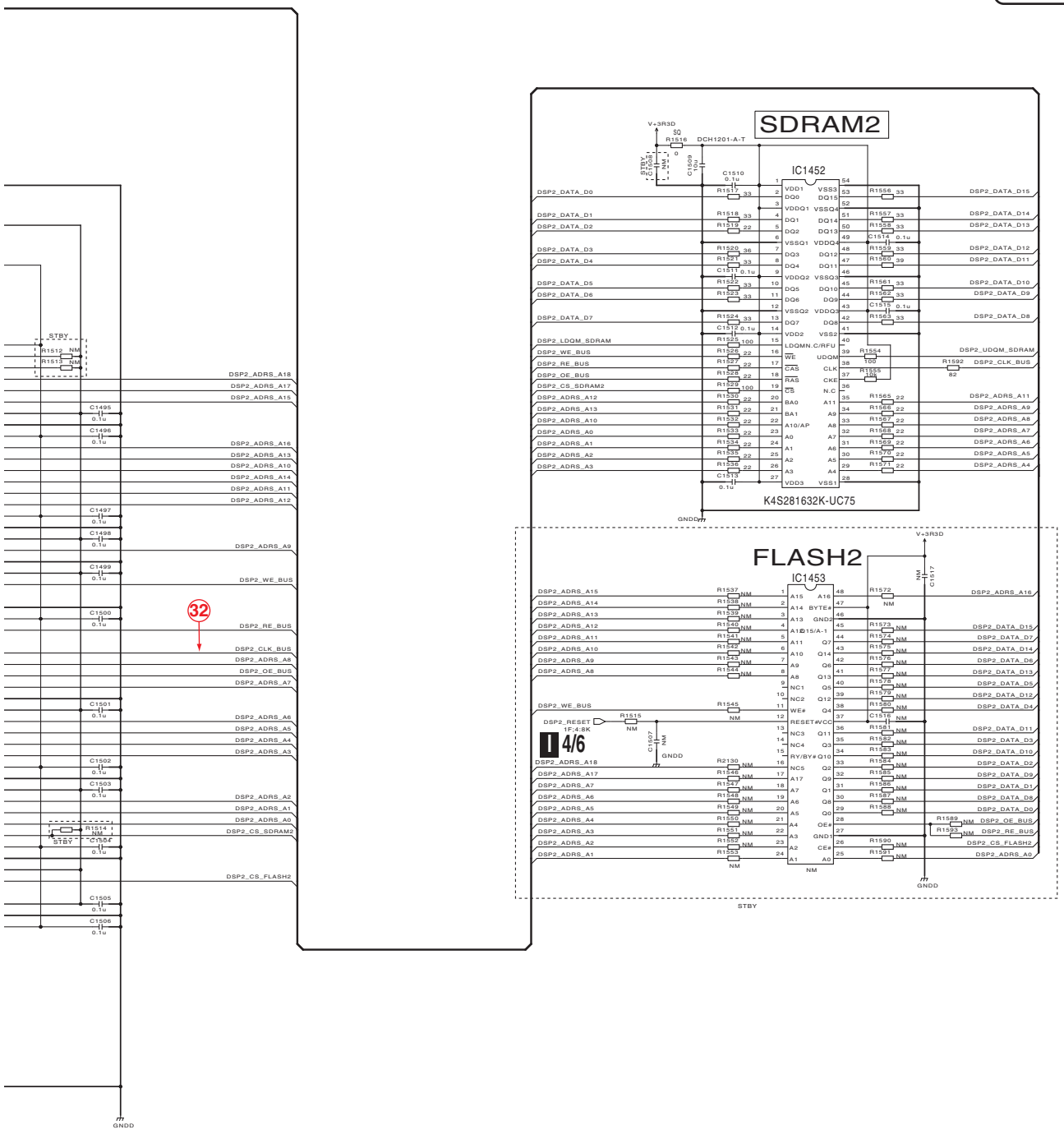
10.12 MAIN ASSY (3/6)



I 3/6 MAIN ASSY (DWX2920)

I-b 3/6





Audio Signal Route

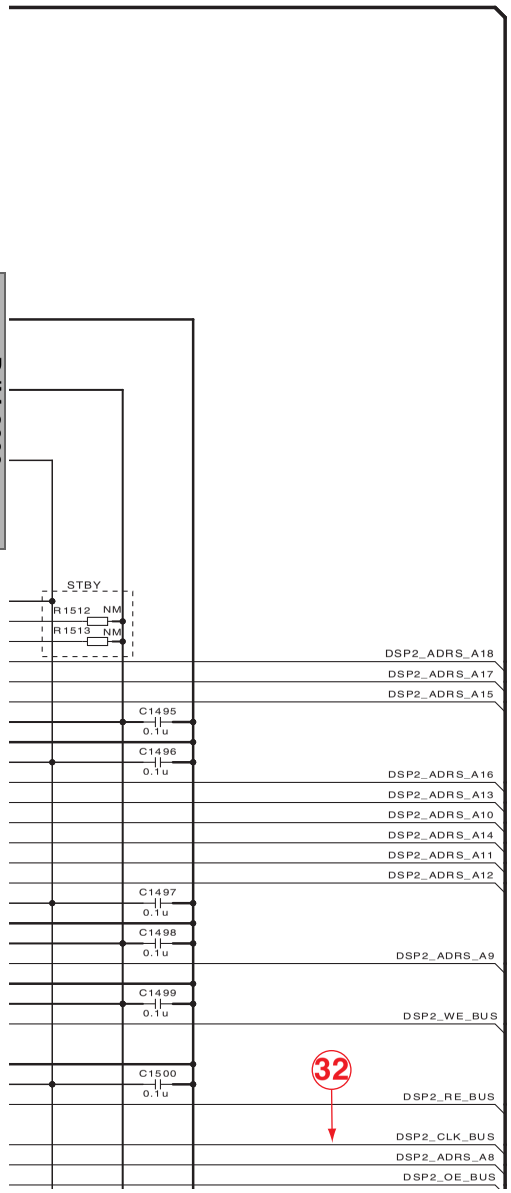
: Audio Data Signal

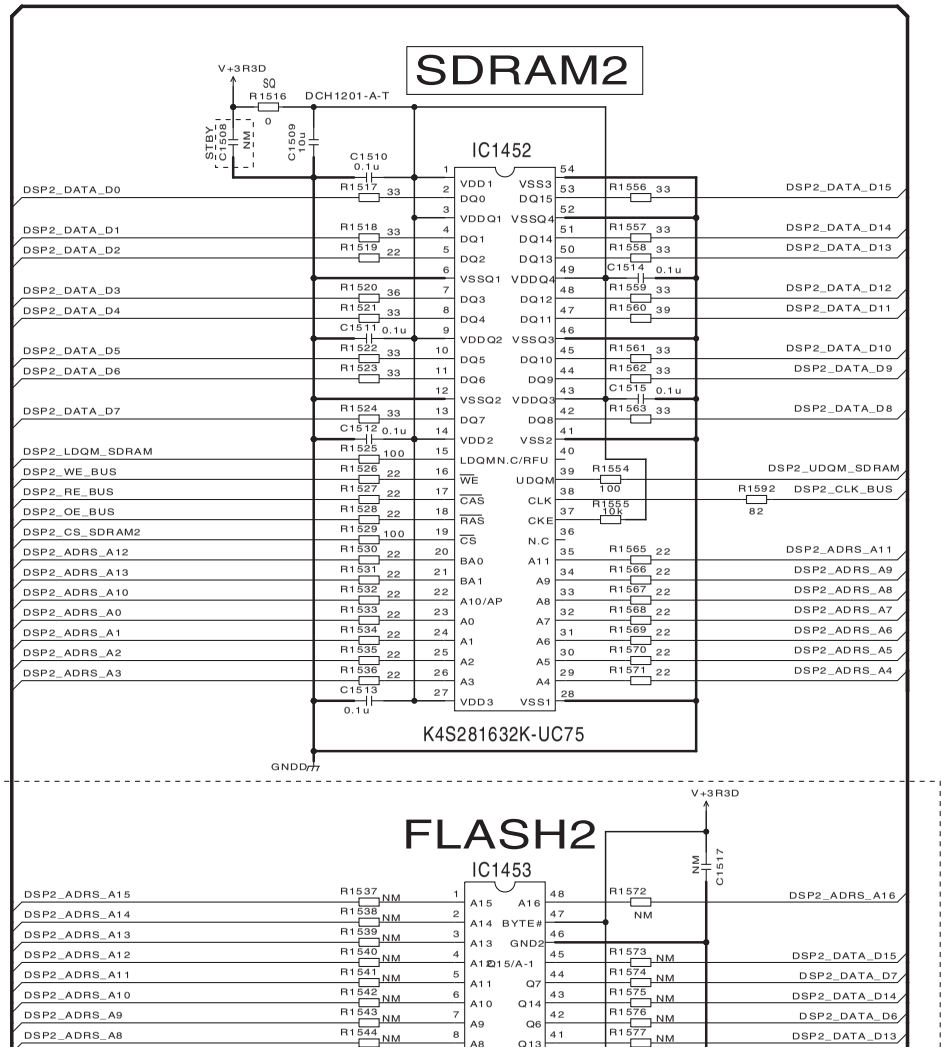
(D) : Digital Audio Data Signal

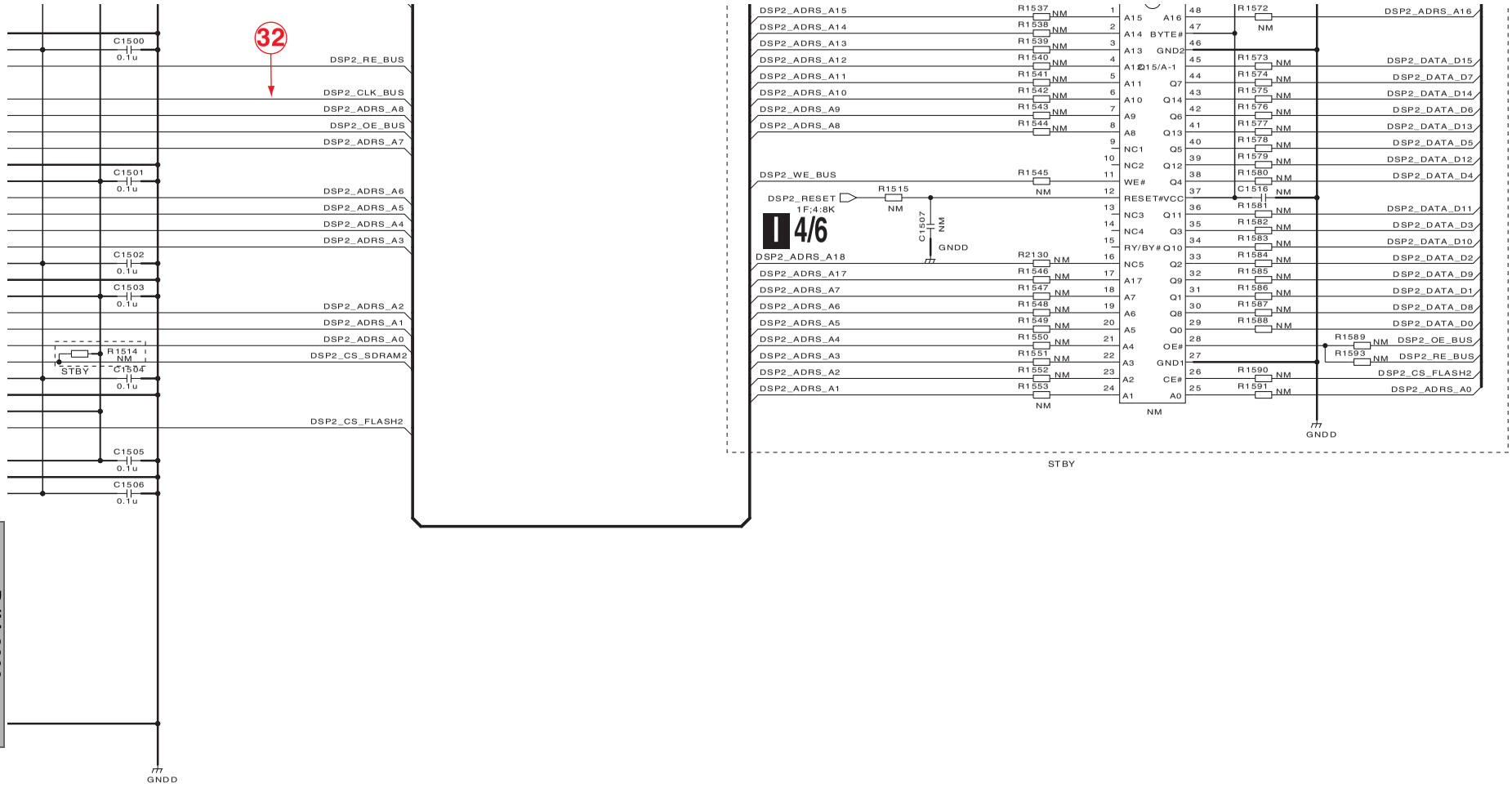
MAIN DSP2

I 3/6 MAIN ASSY (DWX2920)

DJM-2000







DJM-2000

Audio Signal Route

➡ : Audio Data Signal

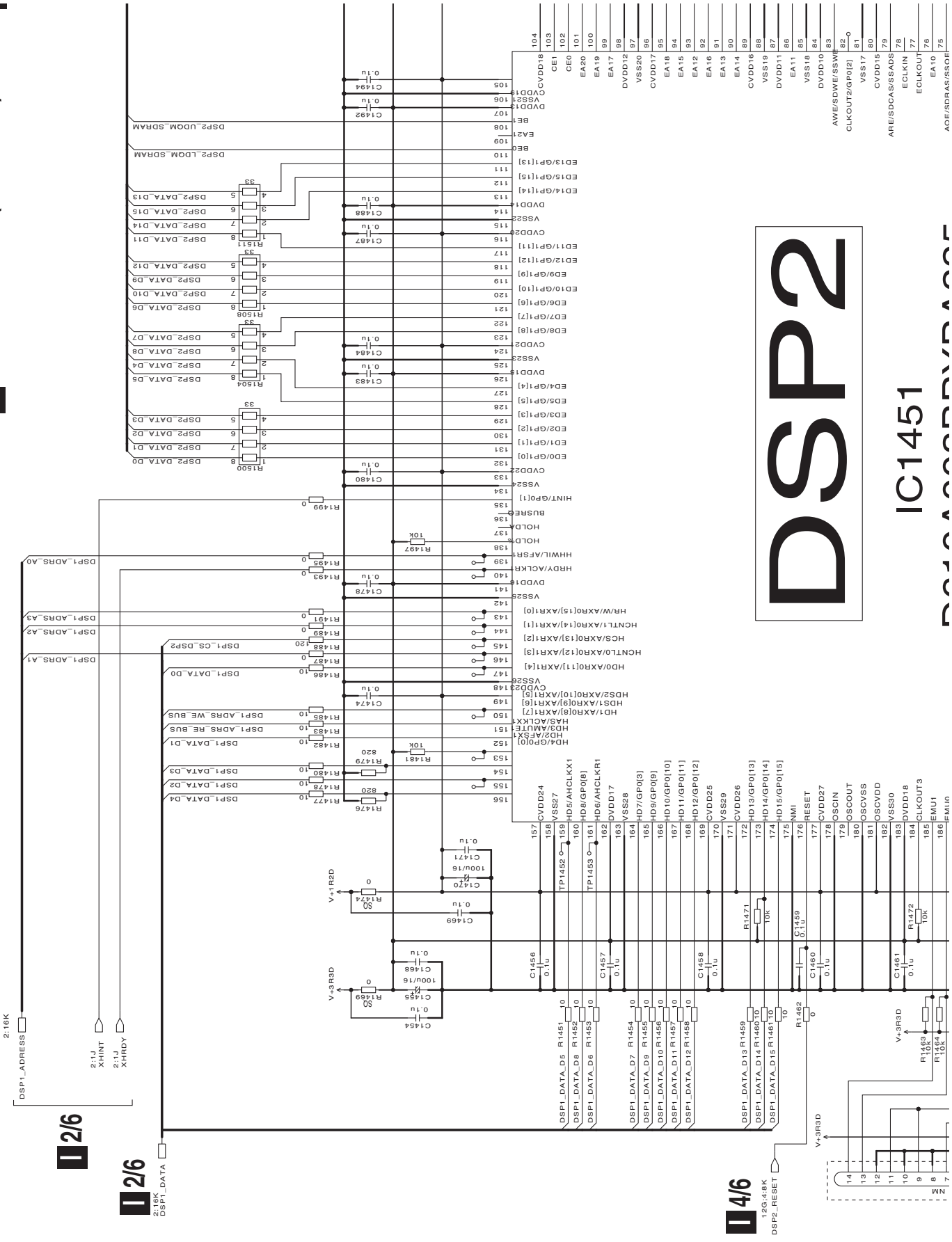
(D) ➡ : Digital Audio Data Signal

MAIN DSP2

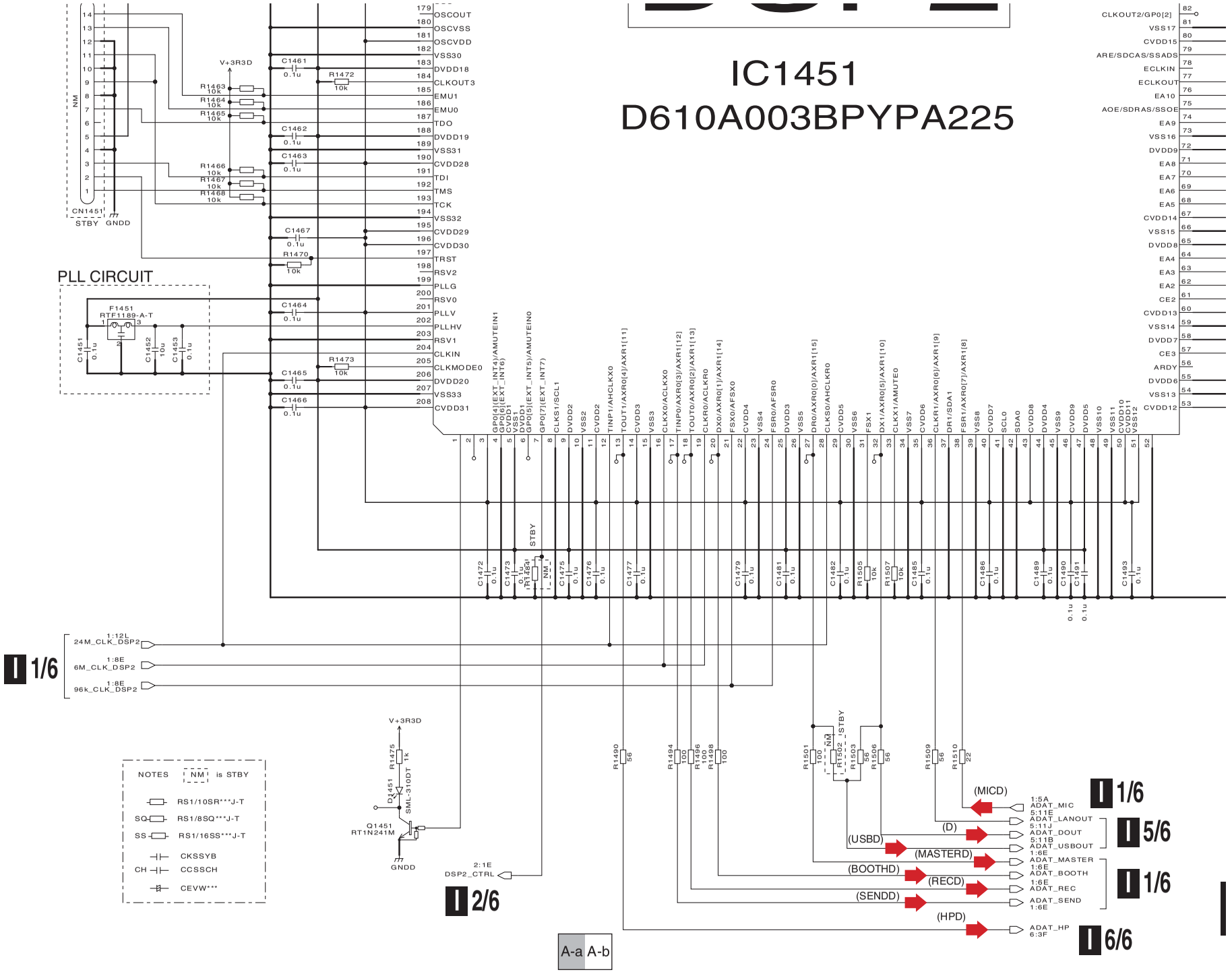
I-b 3/6

97

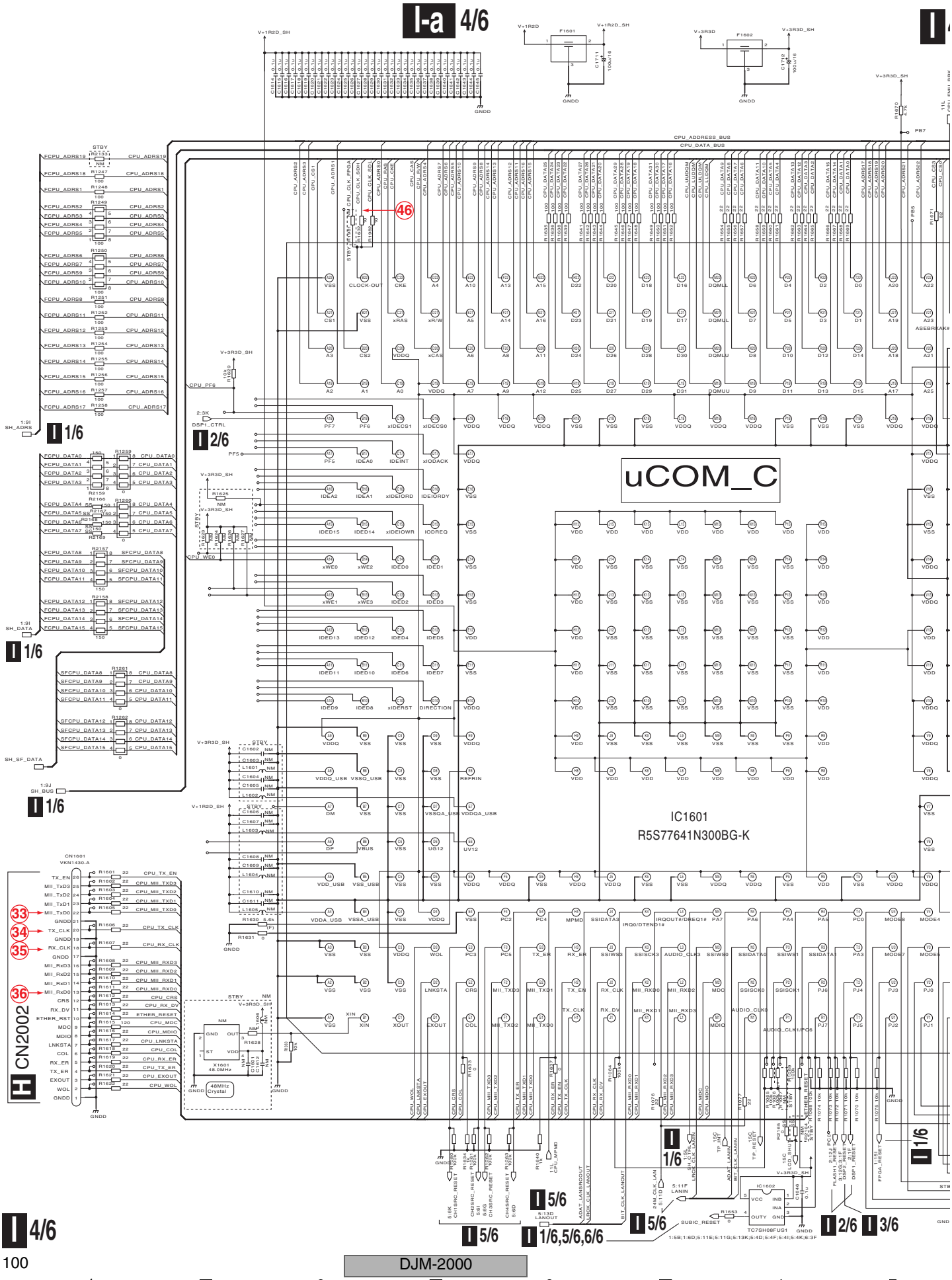
A-a A-b


DSP2
IC1451
DSP1_ADRESS
DSP1_DATA
DSP2_RESET
DSP2_UDOM_SDRAM
DSP2_LDOM_SDRAM
V+1R2D
V+3R3D
XHINT
XHRDY
A-a A-b
I 2/6
I 4/6

IC1451
D610A003BPYPA225

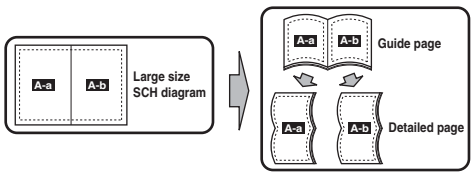


10.13 MAIN ASSY (4/6)



I 4/6 MAIN ASSY (DWX2920)

I-b 4/6



I 1/6
I 2/6 I 3/6
I 4/6
V CN2401
V CN2402
CN1602 VKN1430-A
CN1605 VKN1420-A

SDRAM3L

SDRAM3H

FLASH3

IC1703 S29GL064N90TFI030

DYW1790- /J

MAIN (uCOM C)

JTAG CONNECTOR

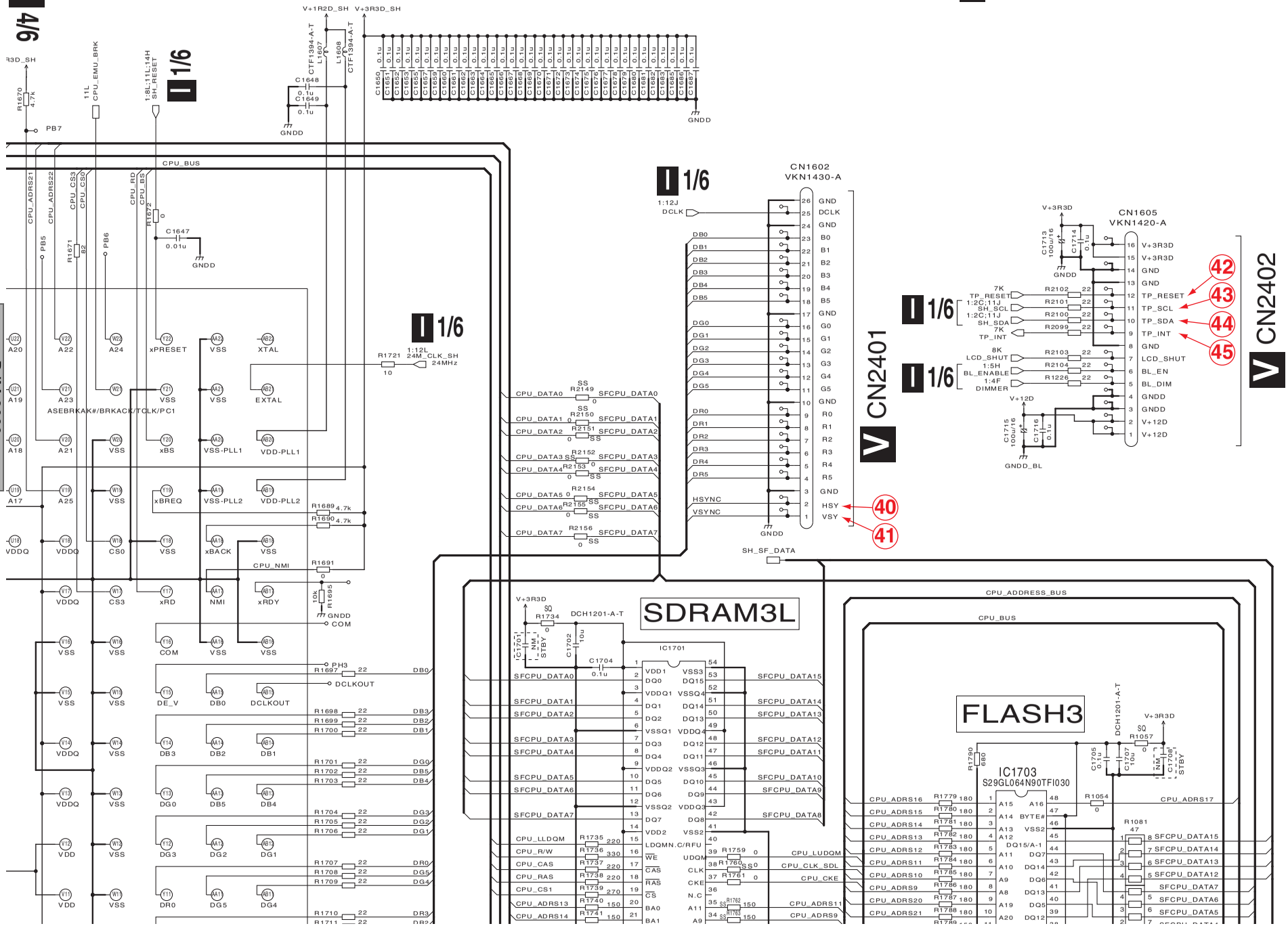
MODE0	HI	CLOCK MODE
MODE1	HI	
MODE2	LOW	X12
MODE3	LOW	BUS WIDTH
MODE4	HI	16bit
MODE5	HI	ENDIAN LITTLE
MODE7	LOW	USB CLOCK EXT CLOCK
MODE8	LOW	SYSTEM CLOCK EXT CLOCK

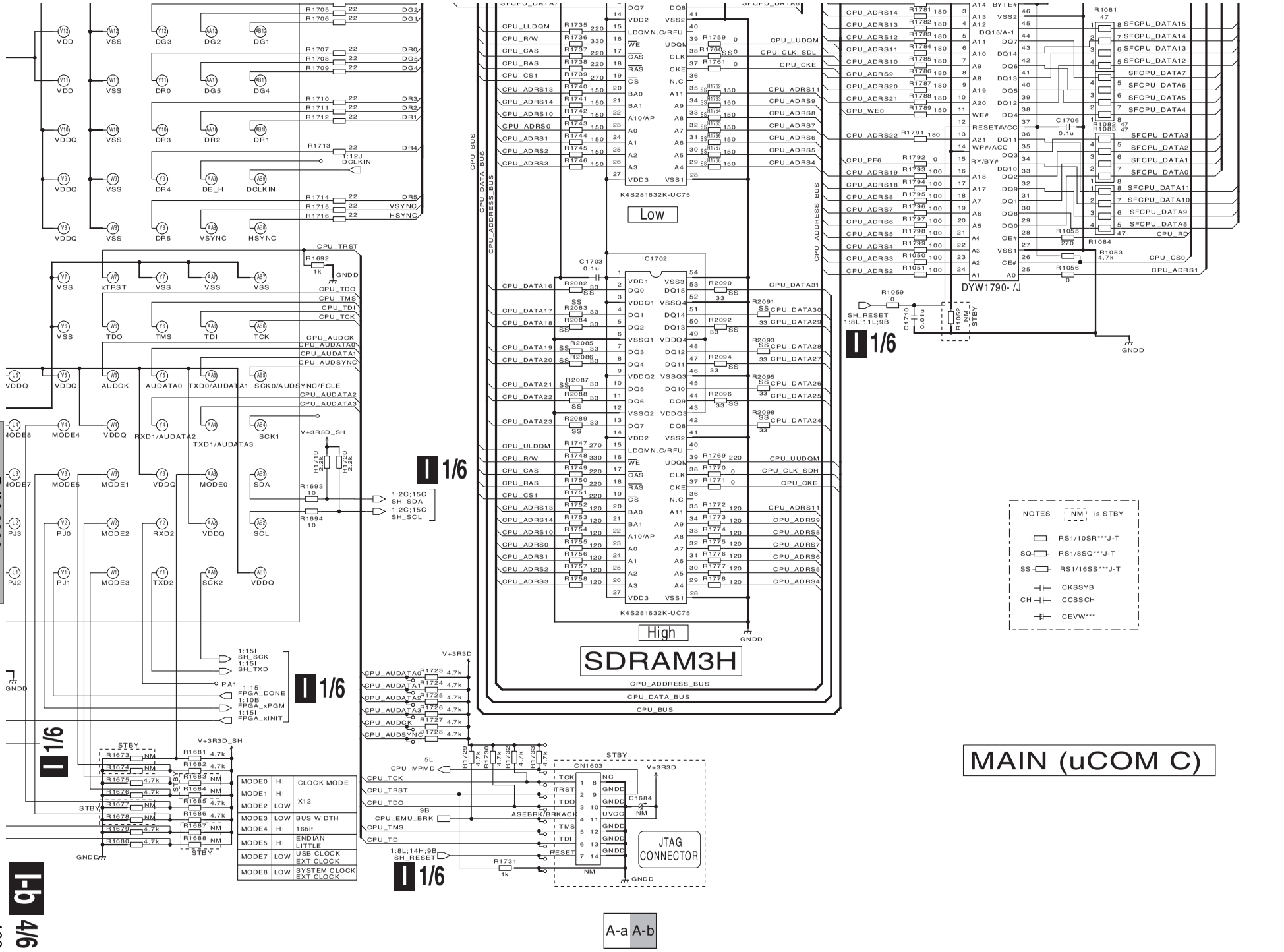
NOTES "NM" is STBY
RS1/10SR***J-T
RS1/8SQ***J-T
RS1/16SS***J-T
CKSSYB
CCSSCH
CEVW***

I 4/6 MAIN ASSY (DWX2920)

I-b 4/6

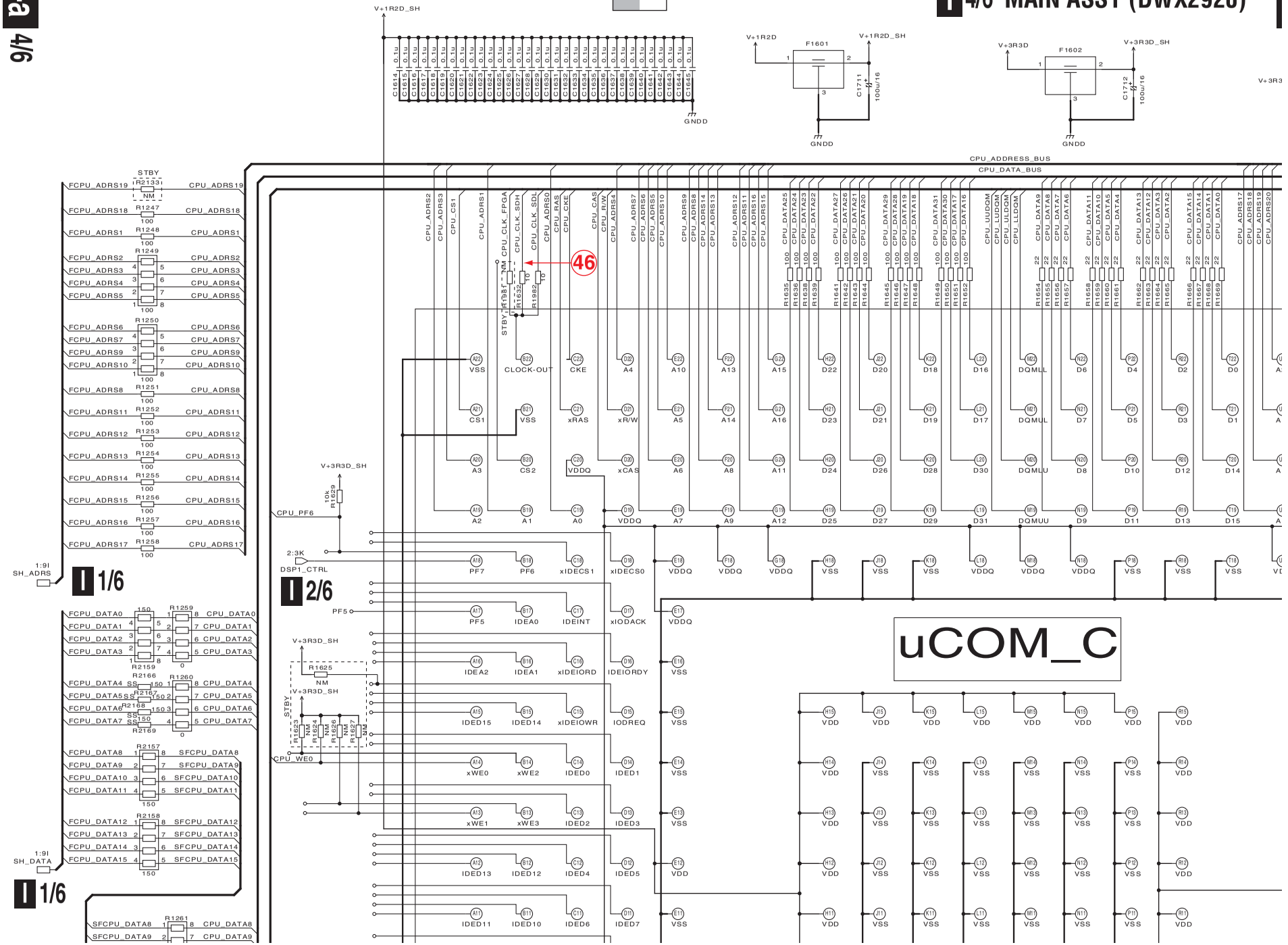
A-a A-b

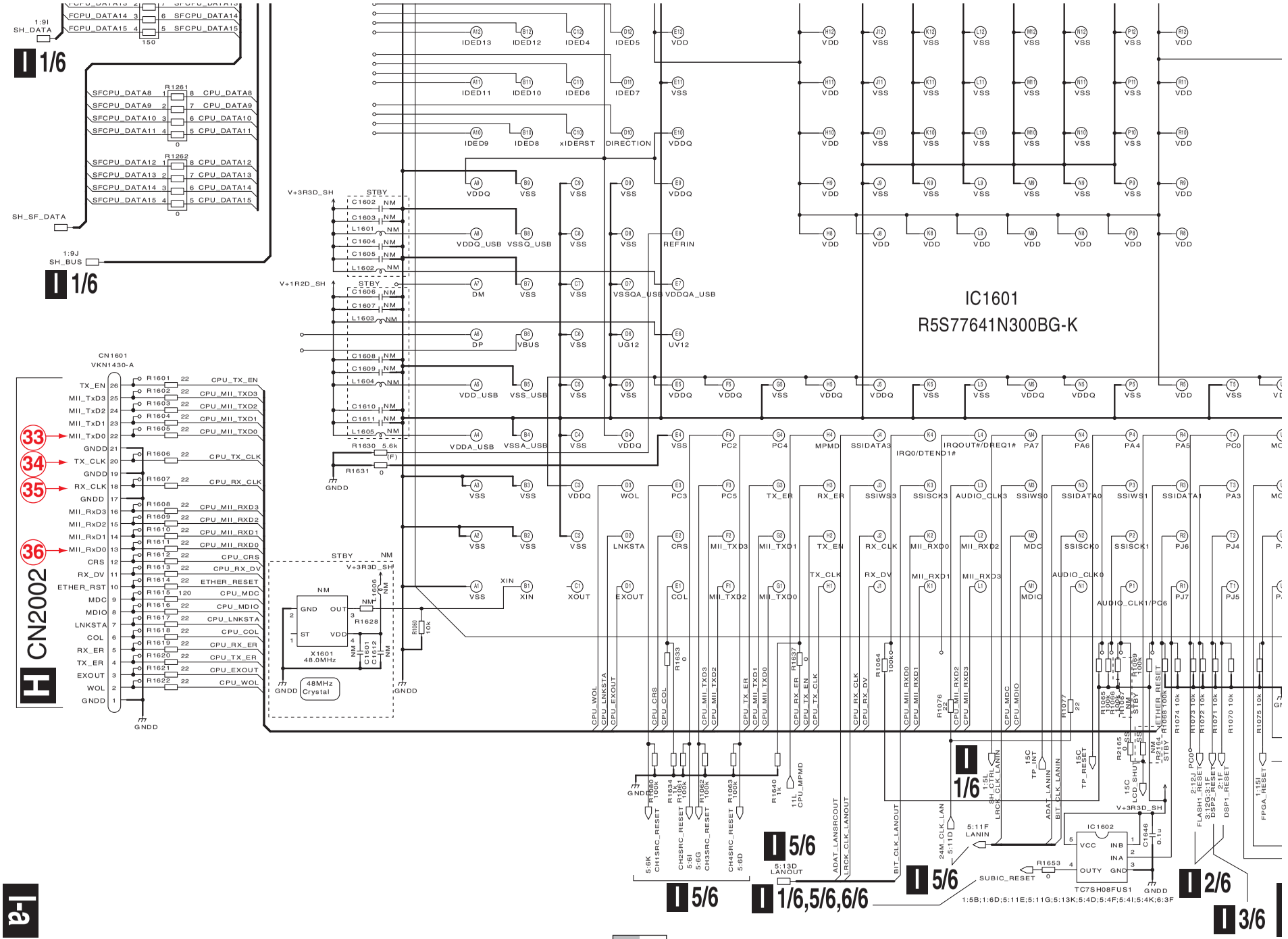



SDRAM3H
MAIN (uCOM C)
DJM-2000
DYW1790- /J
K4S281632K-UC75
Low
High
IC1702
CPU_BUS
CPU_DATA_BUS
CPU_ADDRESS_BUS
JTAG CONNECTOR
CN1603
NOTES
NM is STBY
RS1/10SR***J-T
RS1/8SQ***J-T
RS1/16SS***J-T
CKSSYB
CCSSCH
CEVW***
I 1/6
I-b 4/6
A-a A-b
103

A-a A-b

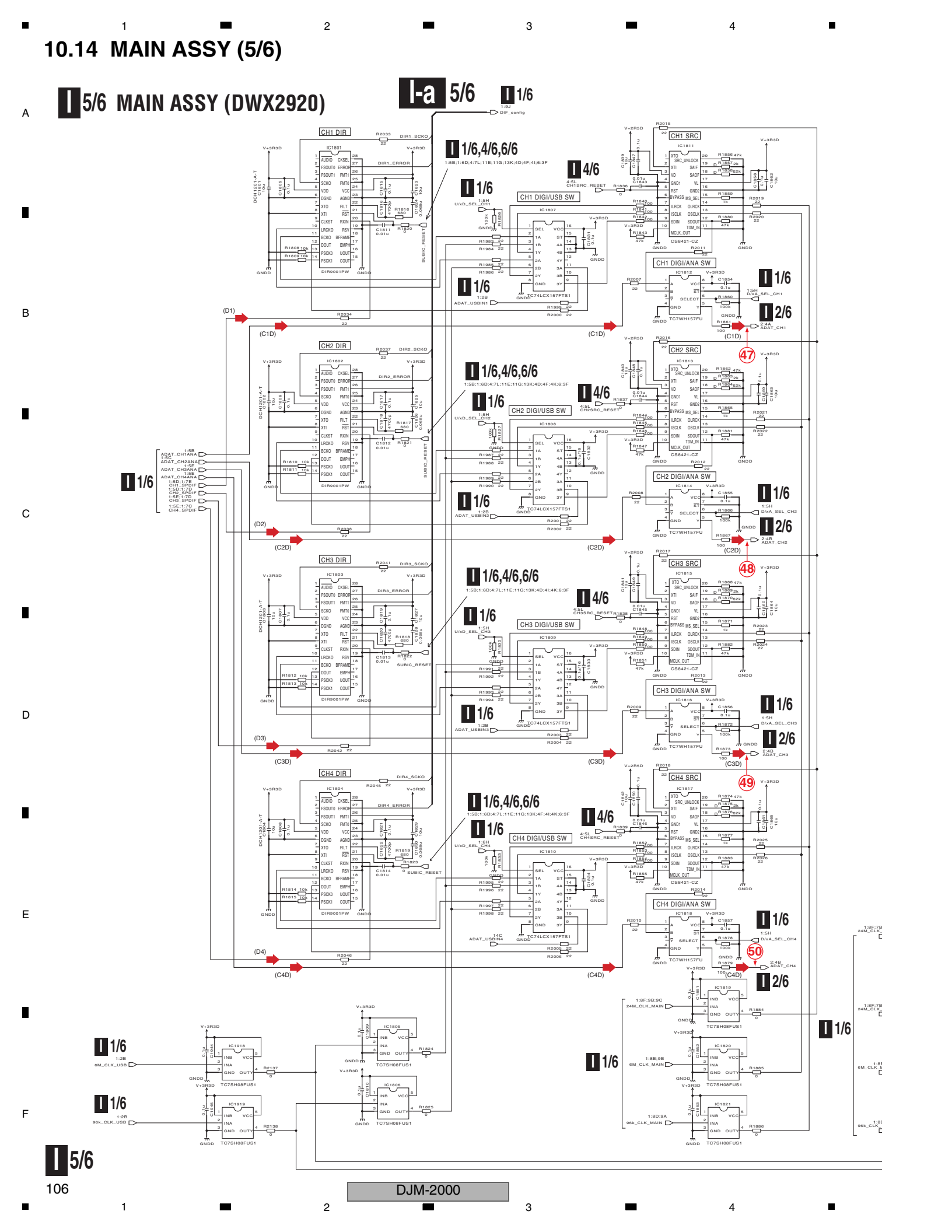
I 4/6 MAIN ASSY (DWX2920)

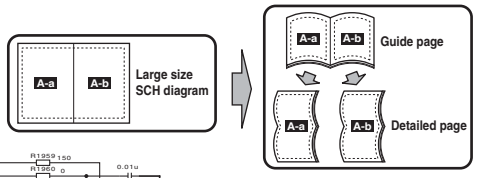



IC1601
R5S77641N300BG-K
CN2002
CN1601
VKN1430-A
X1601
48.0MHz
48MHz Crystal
IC1602
TC7SH08FUS1
1/6
5/6
1/6,5/6,6/6
2/6
3/6
4/6
DJM-2000

10.14 MAIN ASSY (5/6)

5/6 MAIN ASSY (DWX2920)





DIGITAL OUT

I 1/6,4/6,6/6

I 1/6

I 1/6

I 3/6

I 3/6

	Low 3.9k	Hi 16k
SRC_48/96	96KHz	48KHz

I 1/6

Audio Signal Route

(D1) : Digital 1 Signal
(D2) : Digital 2 Signal
(D3) : Digital 3 Signal
(D4) : Digital 4 Signal
(C1D) : CH1 Data Signal
(C2D) : CH2 Data Signal
(C3D) : CH3 Data Signal
(C4D) : CH4 Data Signal
(D) : Digital Data Signal

LAN IN

I 1/6,4/6,6/6

I 2/6

I 4/6

LAN OUT

I 1/6,4/6,6/6

I 4/6

I 3/6

I 4/6

USB OUT

I 1/6

I 3/6

I 1/6

I 1/6

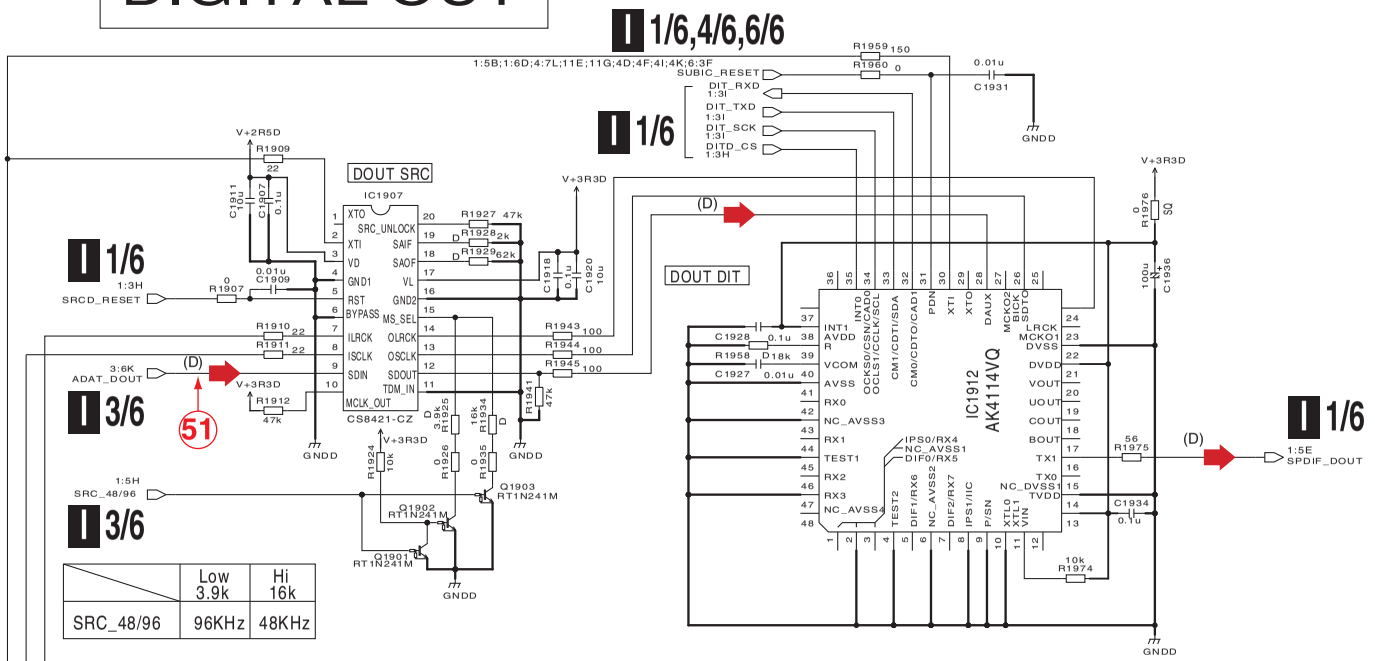
I 1/6

MAIN DIGITAL I/O

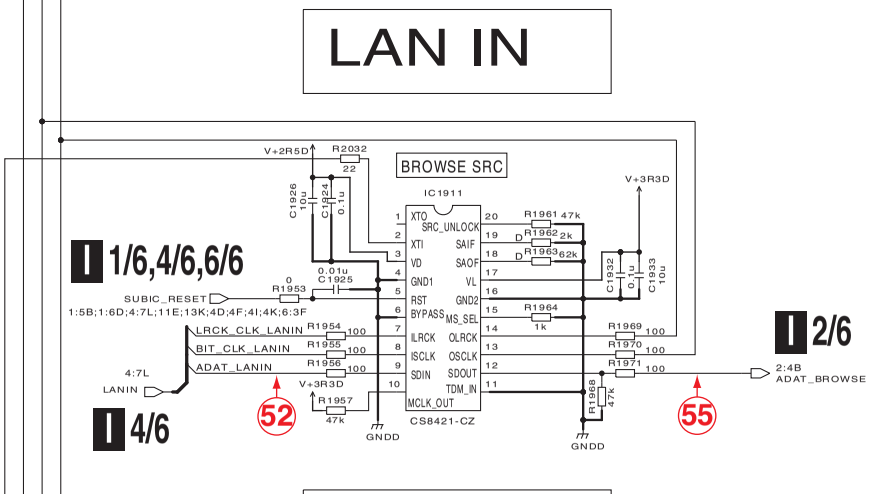
I 5/6

I 5/6 MAIN ASSY (DWX2920)

DIGITAL OUT



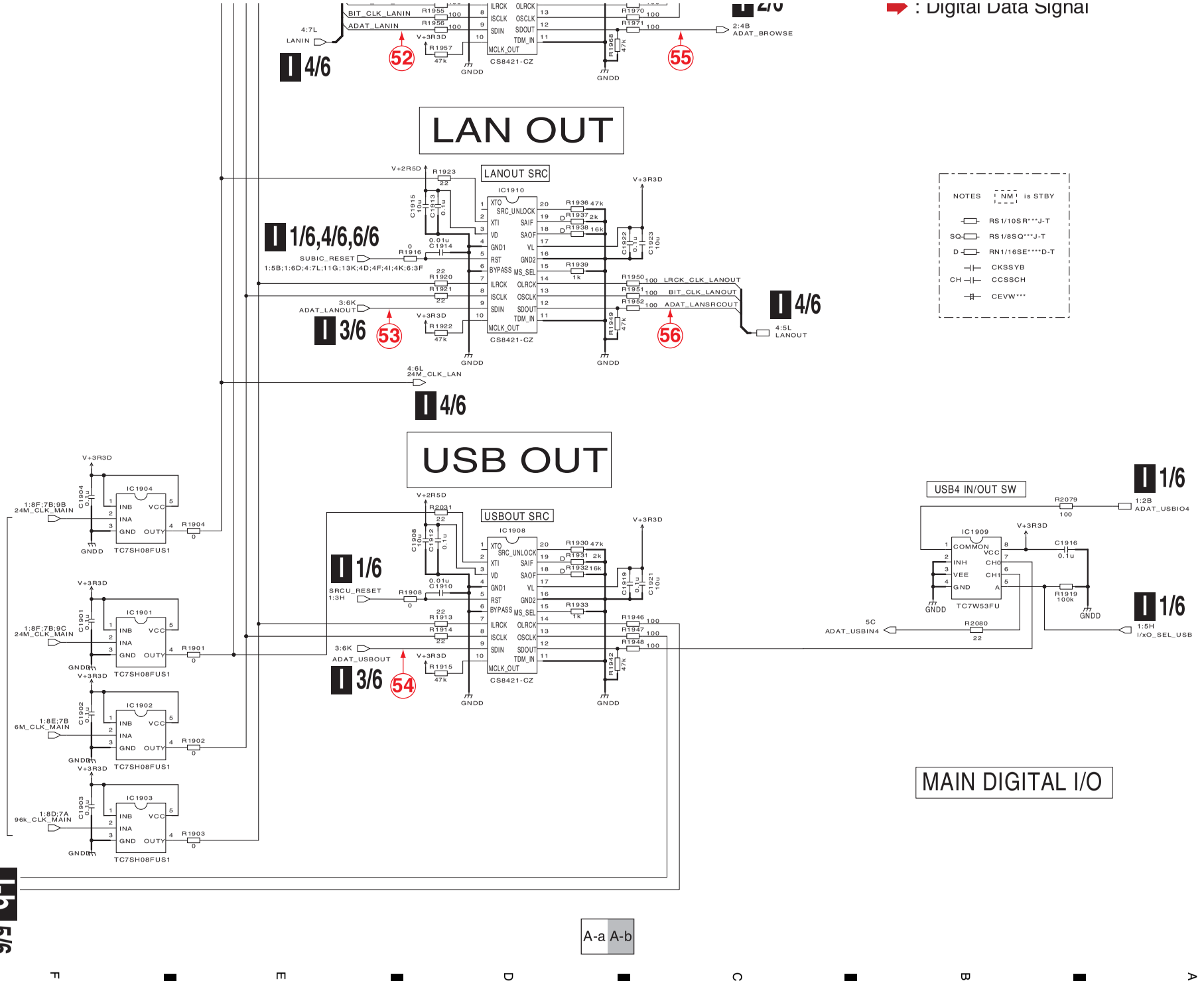
LAN IN

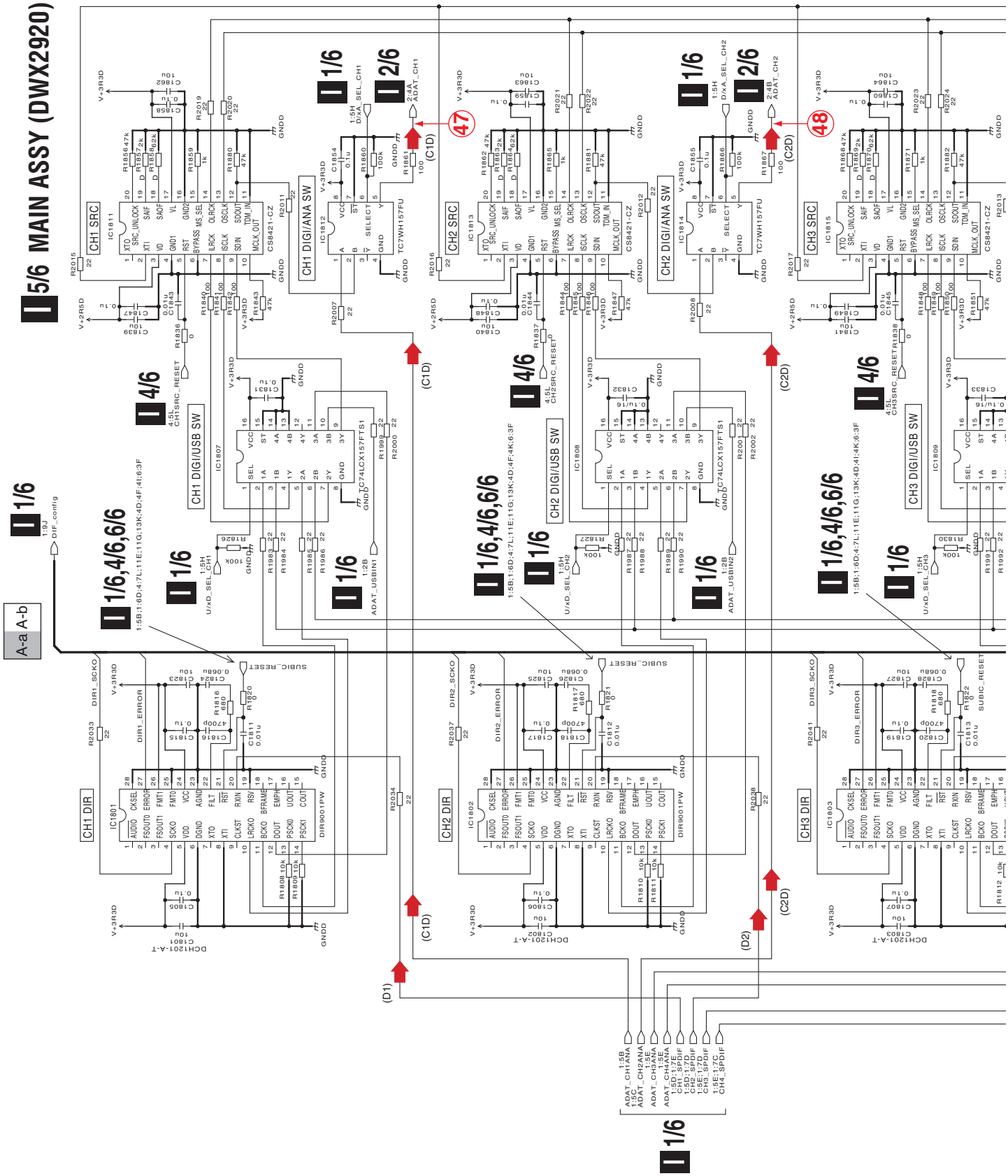


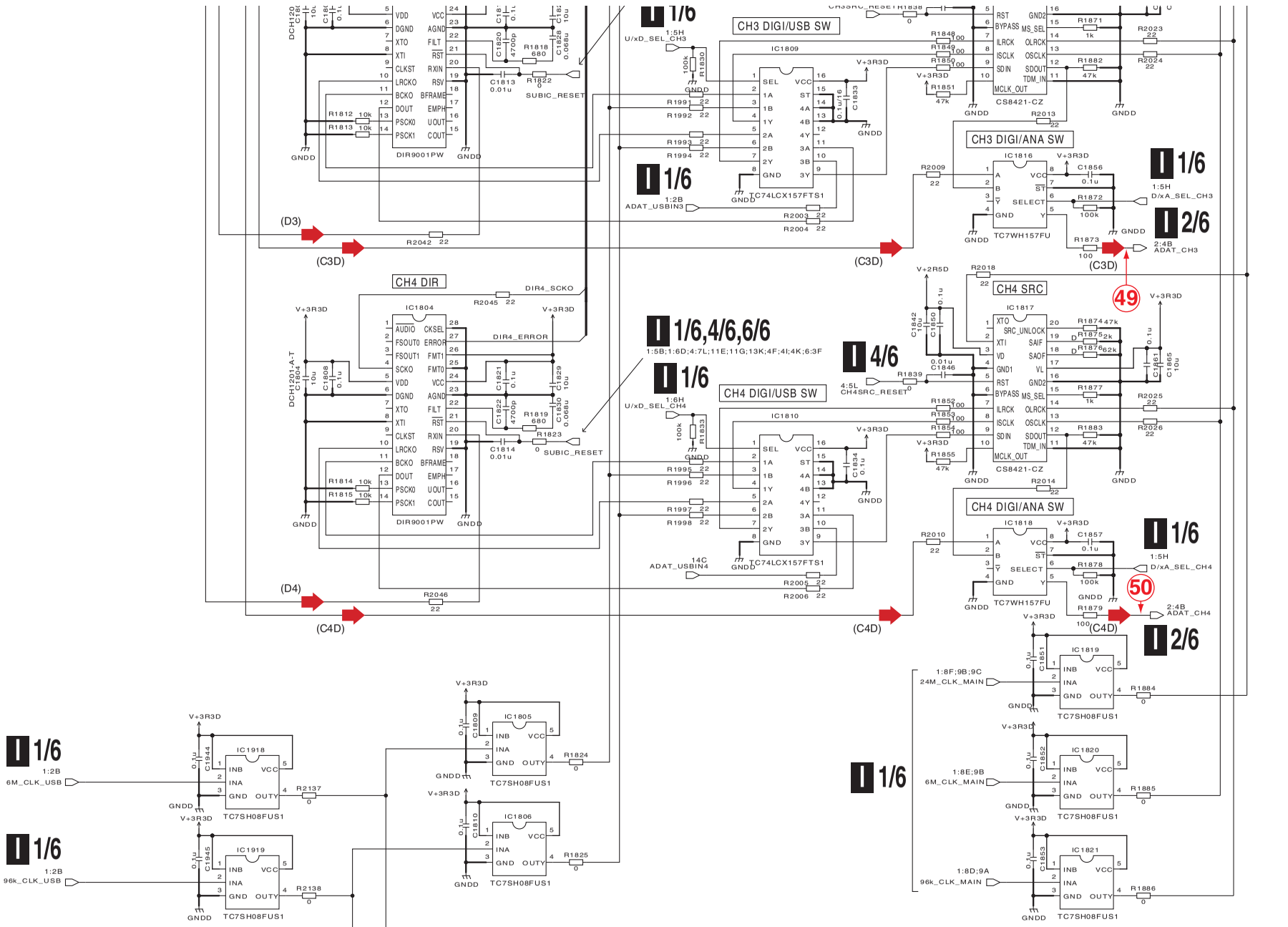
Audio Signal Route

(D1) : Digital 1 Signal
(D2) : Digital 2 Signal
(D3) : Digital 3 Signal
(D4) : Digital 4 Signal
(C1D) : CH1 Data Signal
(C2D) : CH2 Data Signal
(C3D) : CH3 Data Signal
(C4D) : CH4 Data Signal
(D) : Digital Data Signal

: Digital Data Signal

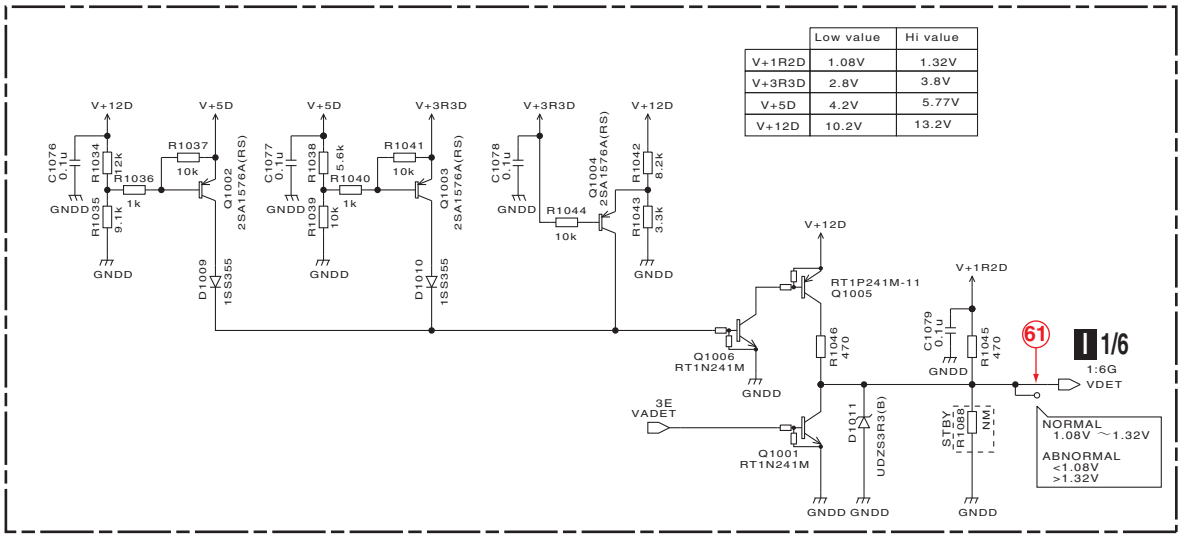


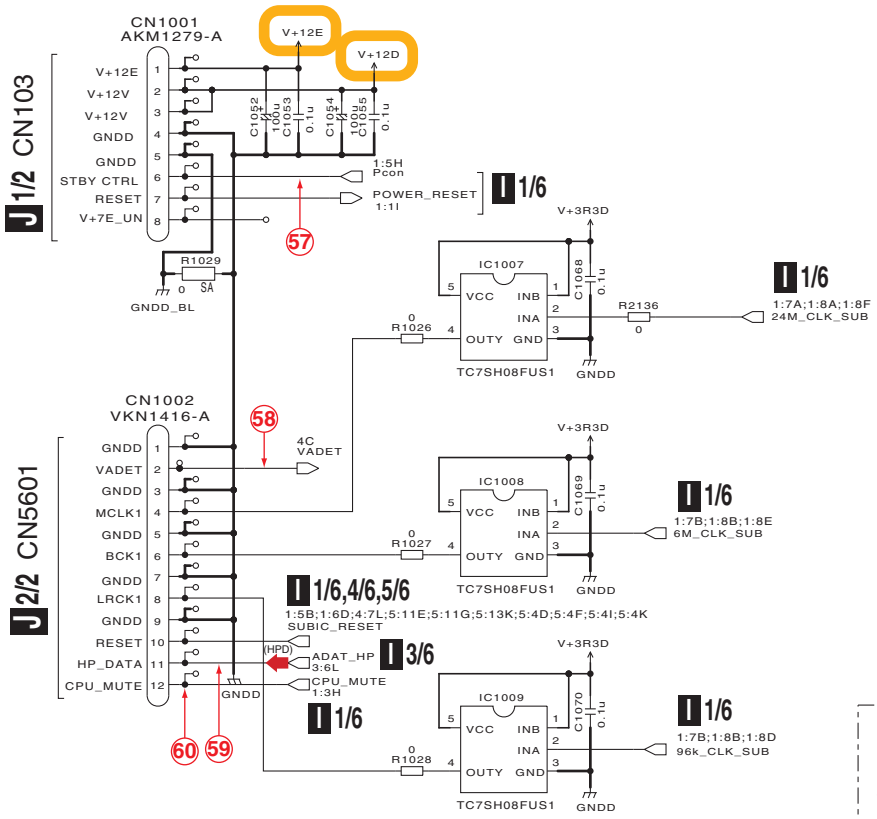

5/6 MAIN ASSY (DWX2920)
CH1 SRC
CH2 SRC
CH3 SRC
CH1 DIGI/ANA SW
CH2 DIGI/ANA SW
CH3 DIGI/ANA SW
CH1 DIGI/USB SW
CH2 DIGI/USB SW
CH3 DIGI/USB SW
CH1 DIR
CH2 DIR
CH3 DIR
1/6
2/6
4/6
1/6,4/6,6/6
1/6,4/6,6/6,6/6
(C1D)
(C2D)
(D1)
(D2)
47
48
A-a A-b

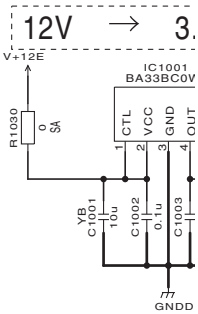

CH3 DIGI/USB SW
CH3 DIGI/ANA SW
CH4 DIR
CH4 SRC
CH4 DIGI/USB SW
CH4 DIGI/ANA SW
DIR9001PW
CS8421-CZ
TC74LCX157FTS1
TC7WH157FU
TC7SH08FUS1
SUBIC_RESET
DIR4_SCKO
DIR4_ERROR
1:5B;1:6D;4:7L;11E;11G;13K;4F;4I;4K;6:3F
1:5H U/xD_SEL_CH3
1:6H U/xD_SEL_CH4
1:2B ADAT_USBIN3
14C ADAT_USBIN4
4:5L CH4SRC_RESET
1:5H D/xA_SEL_CH3
1:5H D/xA_SEL_CH4
2:4B ADAT_CH3
2:4B ADAT_CH4
1:2B 6M_CLK_USB
1:2B 96k_CLK_USB
1:8F;9B;9C 24M_CLK_MAIN
1:8E;9B 6M_CLK_MAIN
1:8D;9A 96k_CLK_MAIN
(C3D)
(C4D)
(D3)
(D4)
49
50

10.15 MAIN ASSY (6/6)

Voltage detection circuit







NOTES NM is STBY
RS1/10SR***J-T
RS1/4SA***J-T
RS1/8SQ***J-T
CKSSYB
CKSYB
CKSRYB
CKSQYB
CCSRCH
CCSSCH
CEVW***

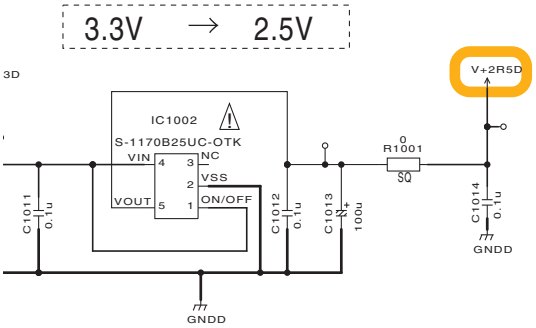
Aud
(HPD)

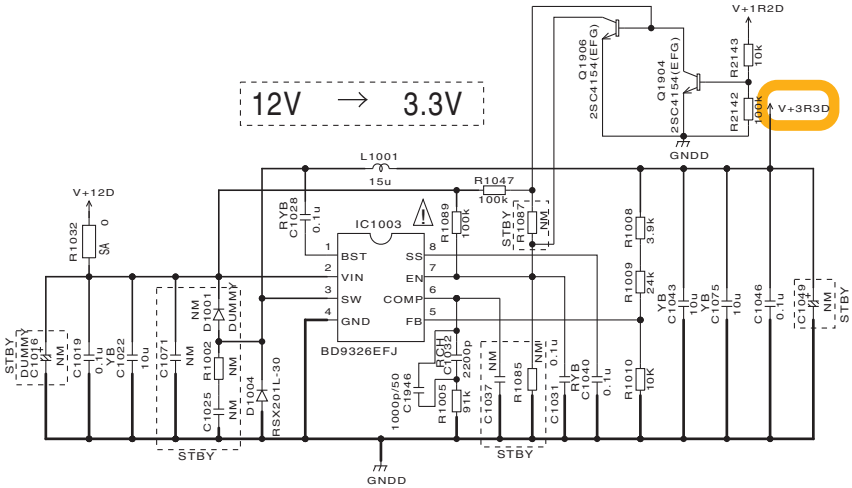
The ⚠ m
indicates
Therefore
of identic

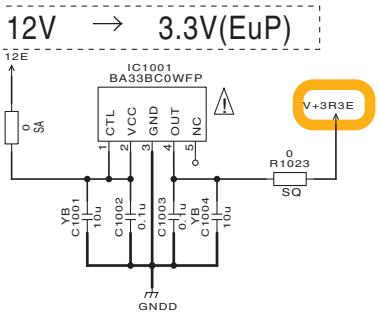
⚠ 印の部
交換する
必ず指定

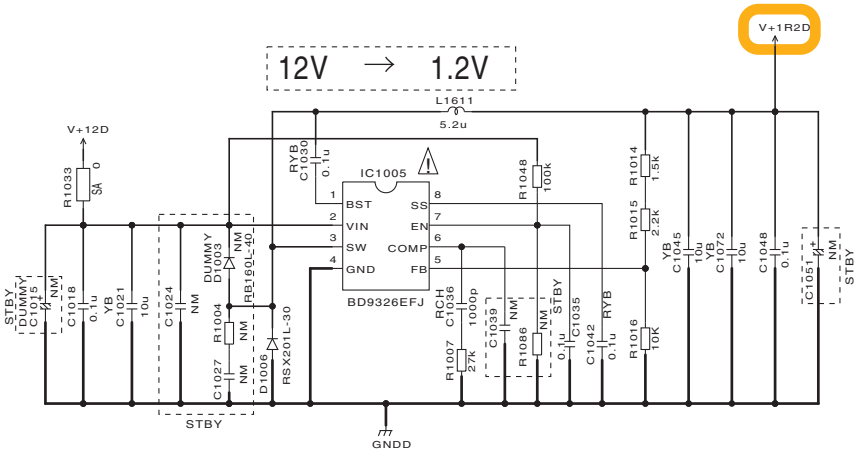
1/6

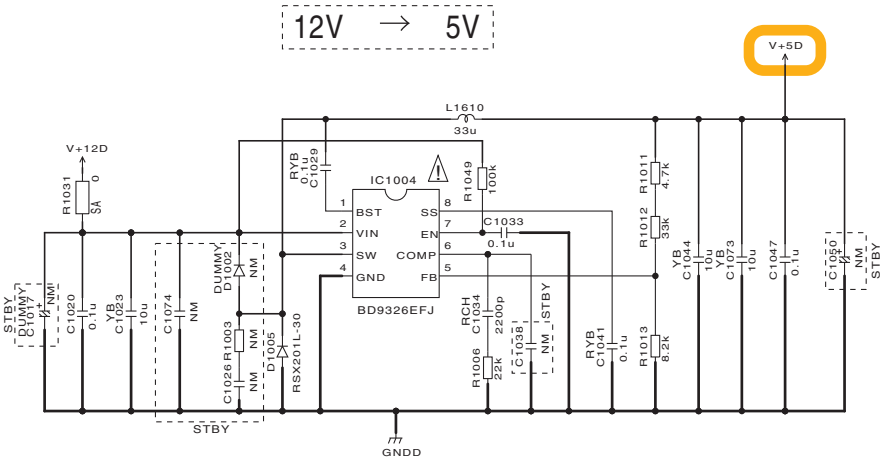
6/6 MAIN ASSY (DWX2920)











Audio Signal Route

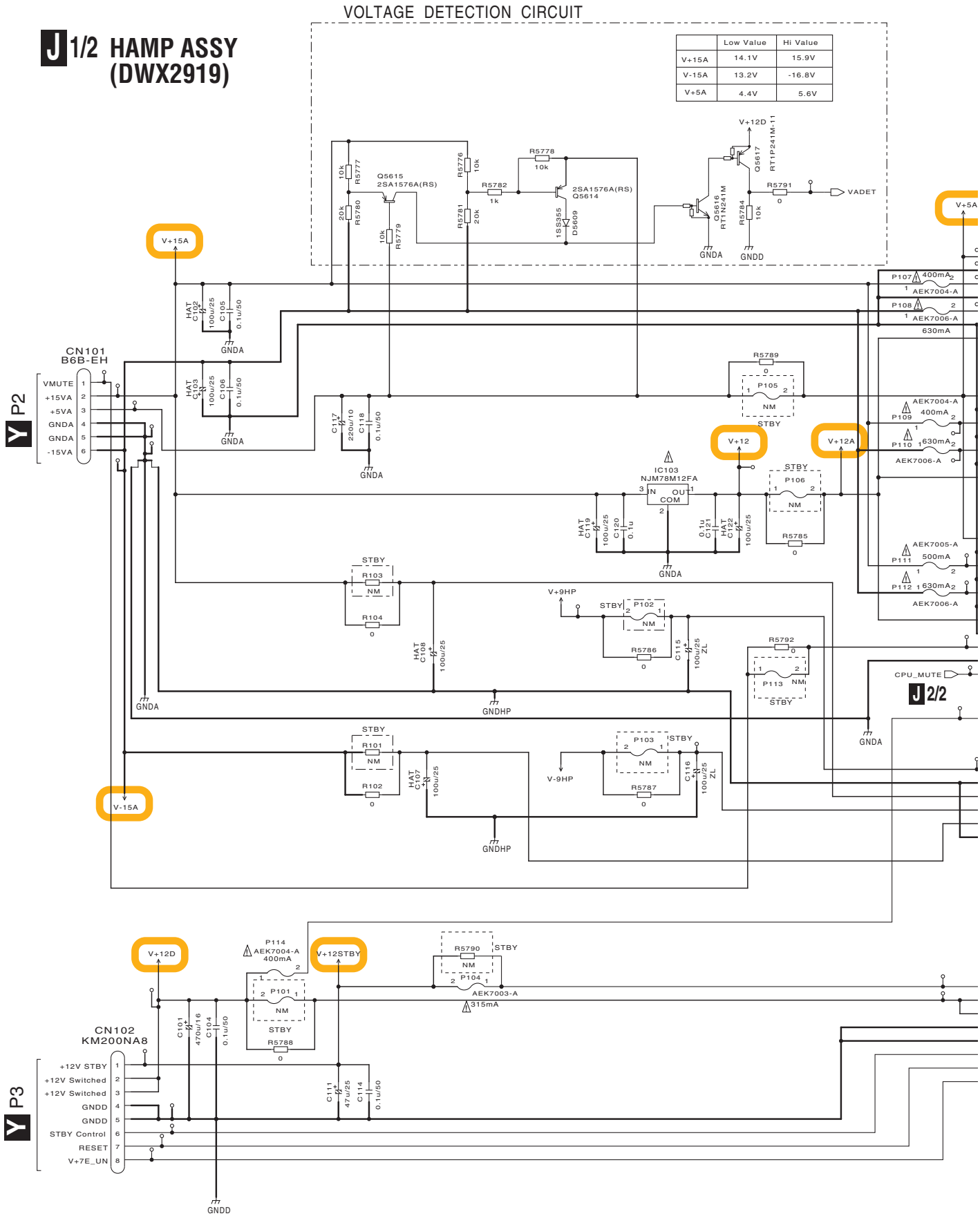
(HPD) : HEADPHONE Data Signal

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

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

MAIN POWER

10.16 HAMP (1/2) and HREG ASSYS



NOTES NM is STBY

RS1/10SR***J

CKSRYB

CEAT

HAT CEHAT

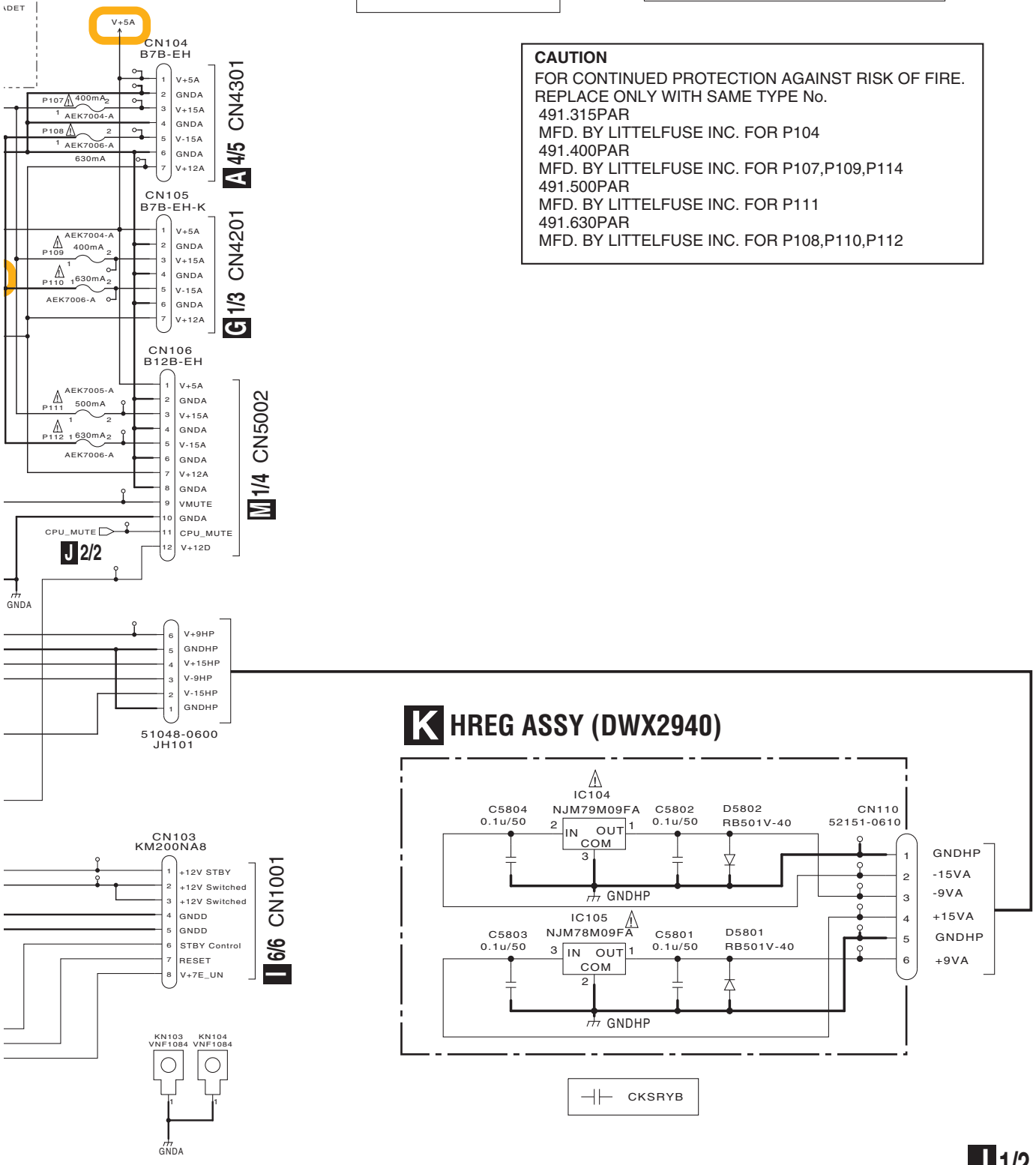
ZL CEHAZL

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

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

CAUTION

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE ONLY WITH SAME TYPE No.
491.315PAR
MFD. BY LITTELFUSE INC. FOR P104
491.400PAR
MFD. BY LITTELFUSE INC. FOR P107,P109,P114
491.500PAR
MFD. BY LITTELFUSE INC. FOR P111
491.630PAR
MFD. BY LITTELFUSE INC. FOR P108,P110,P112



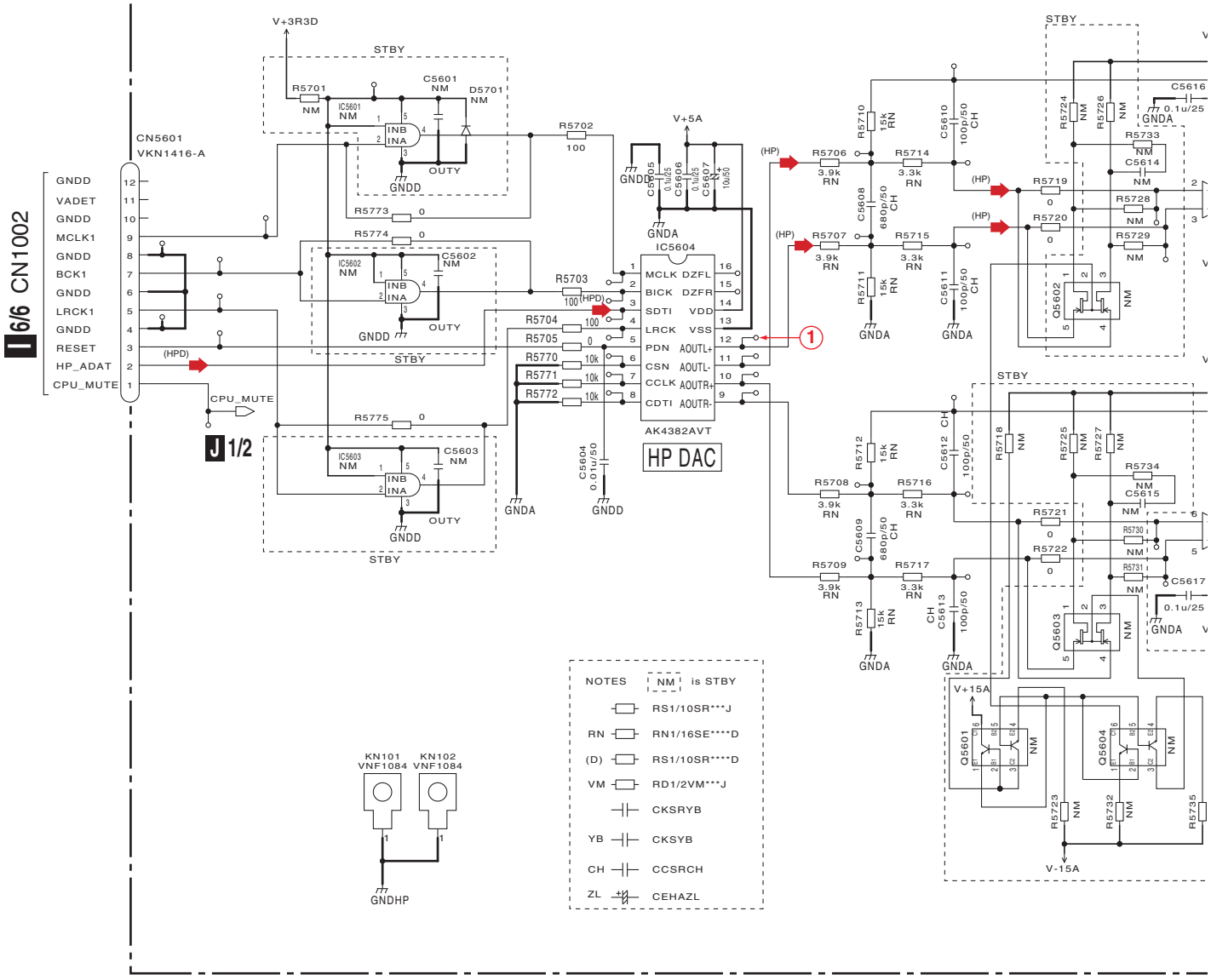
K HREG ASSY (DWX2940)

CKSRYB

J 1/2 K

10.17 HAMP (2/2) and HPJK ASSYS

J 2/2 HAMP ASSY (DWX2919)



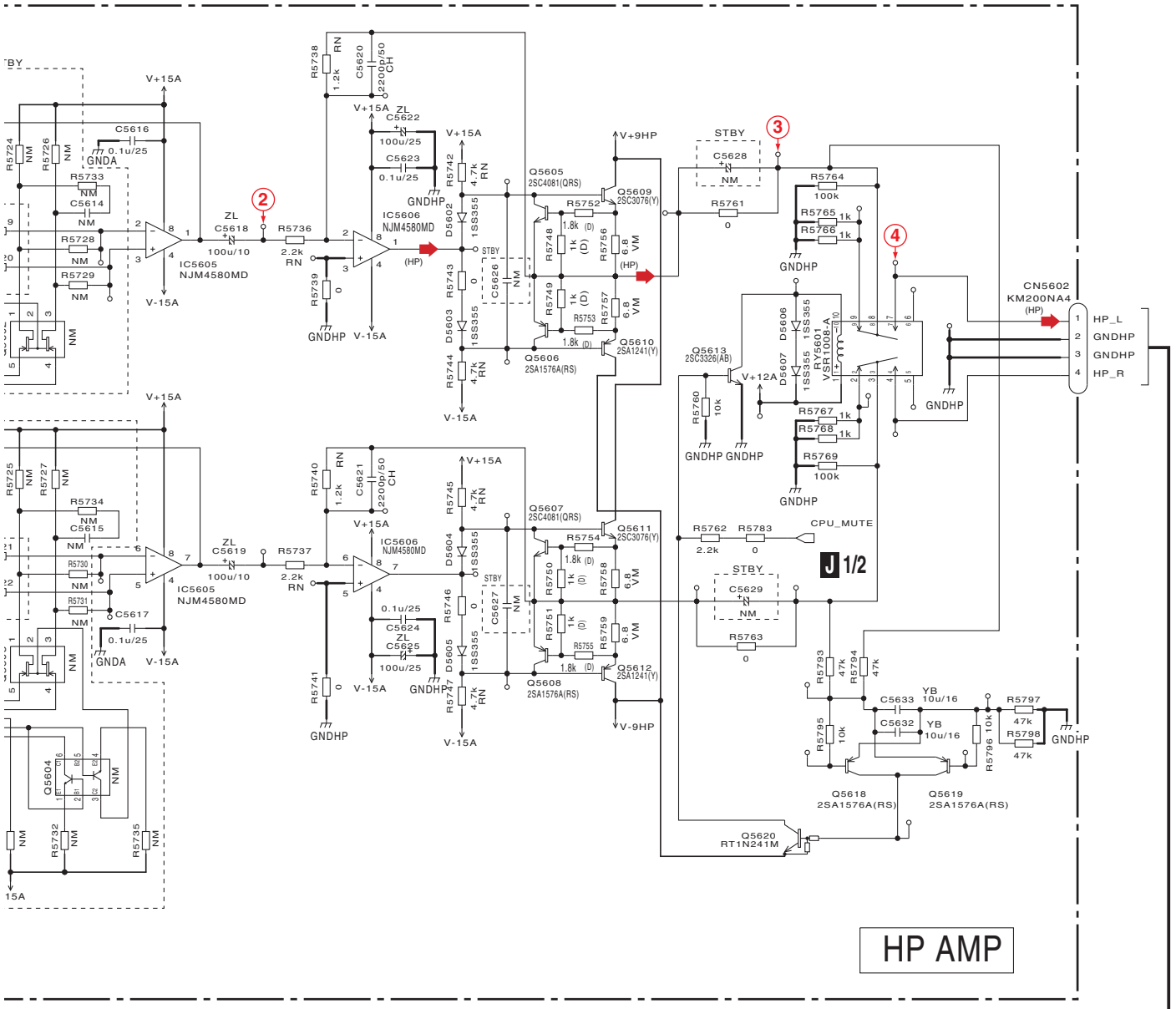
Audio Signal Route

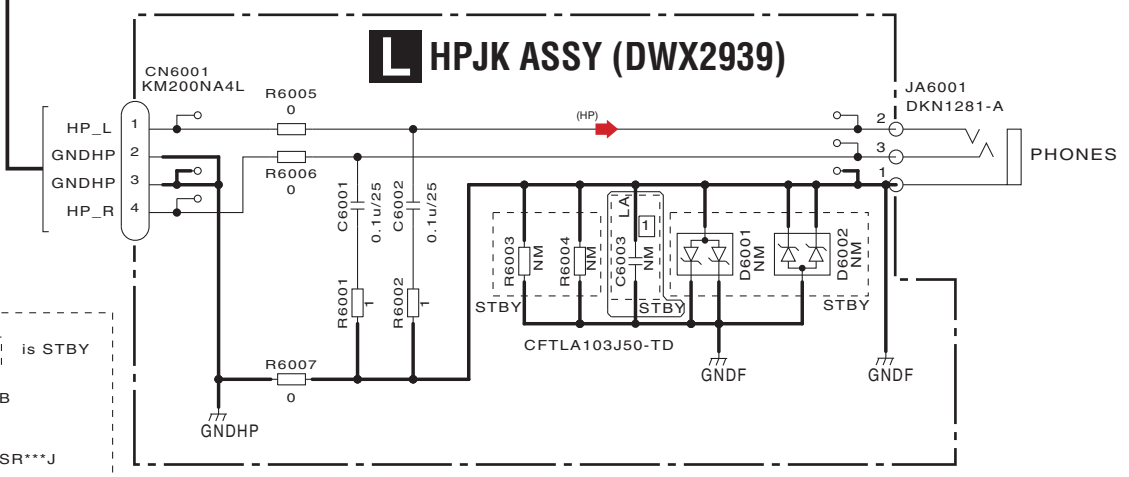
(HP) ➡ : HEADPHONE Signal (L CH)

(HPD) ➡ : HEADPHONE Data Signal

NOTE

LA





NOTES [NM] is STBY

CKSRYB

LA CFTLA

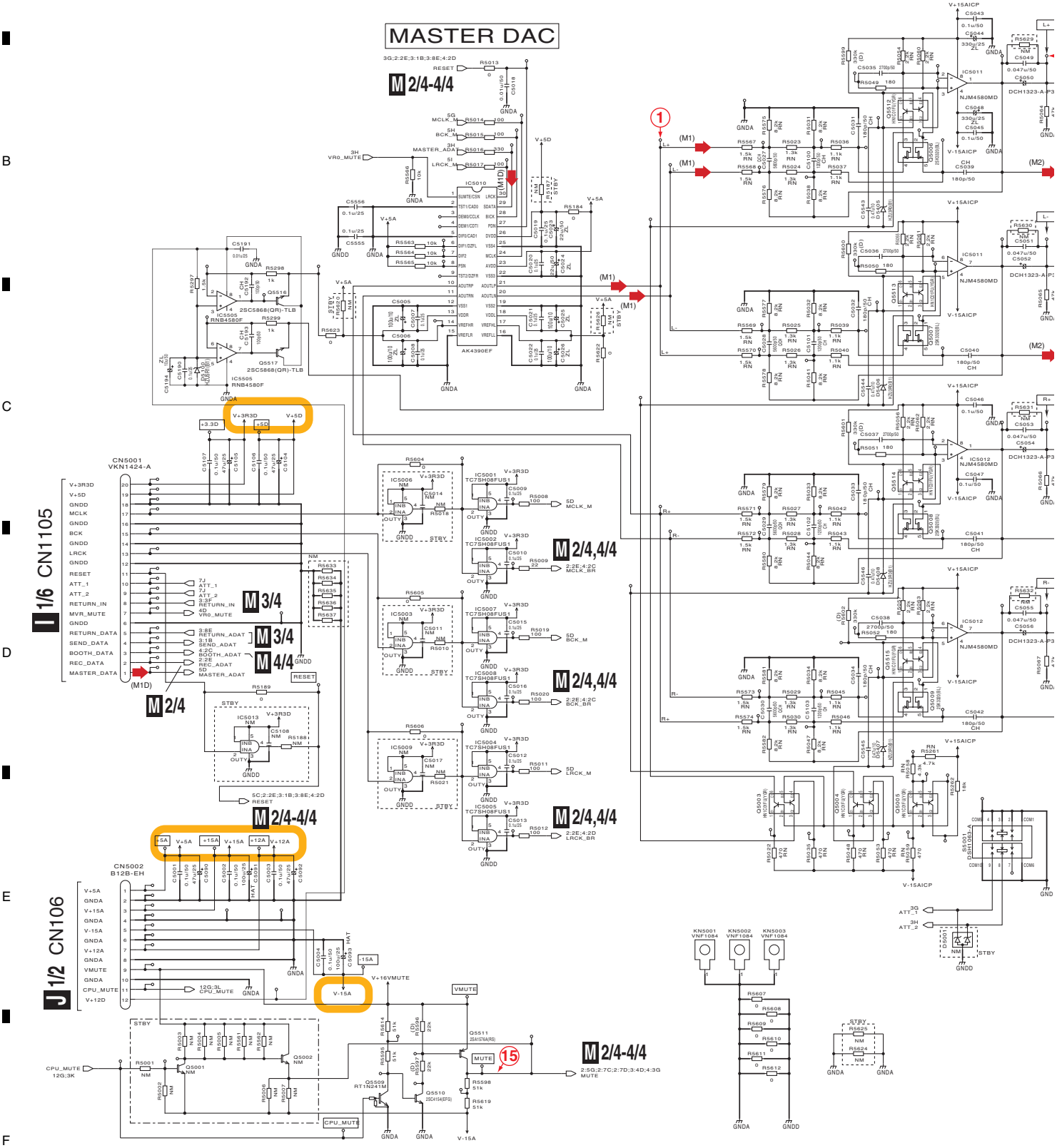
RS1/10SR***J

J 2/2 L

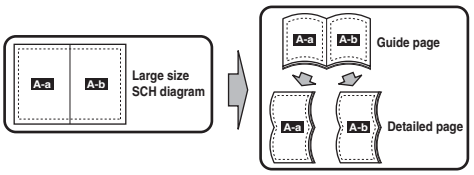
10.18 AOUT ASSY (1/4)

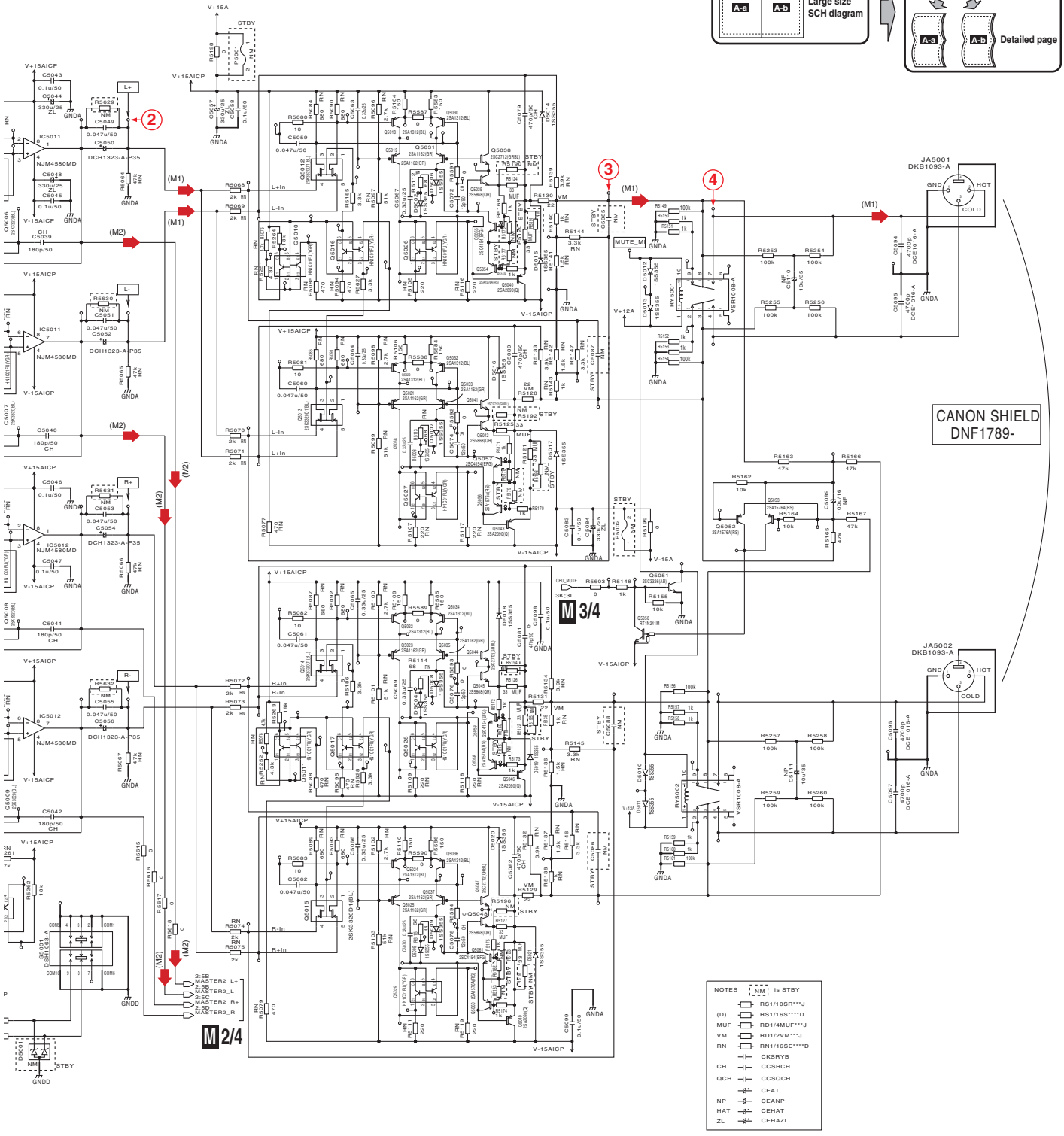
M-a 1/4

M 1/4 AOUT ASSY (DWX2924)



M-b 1/4





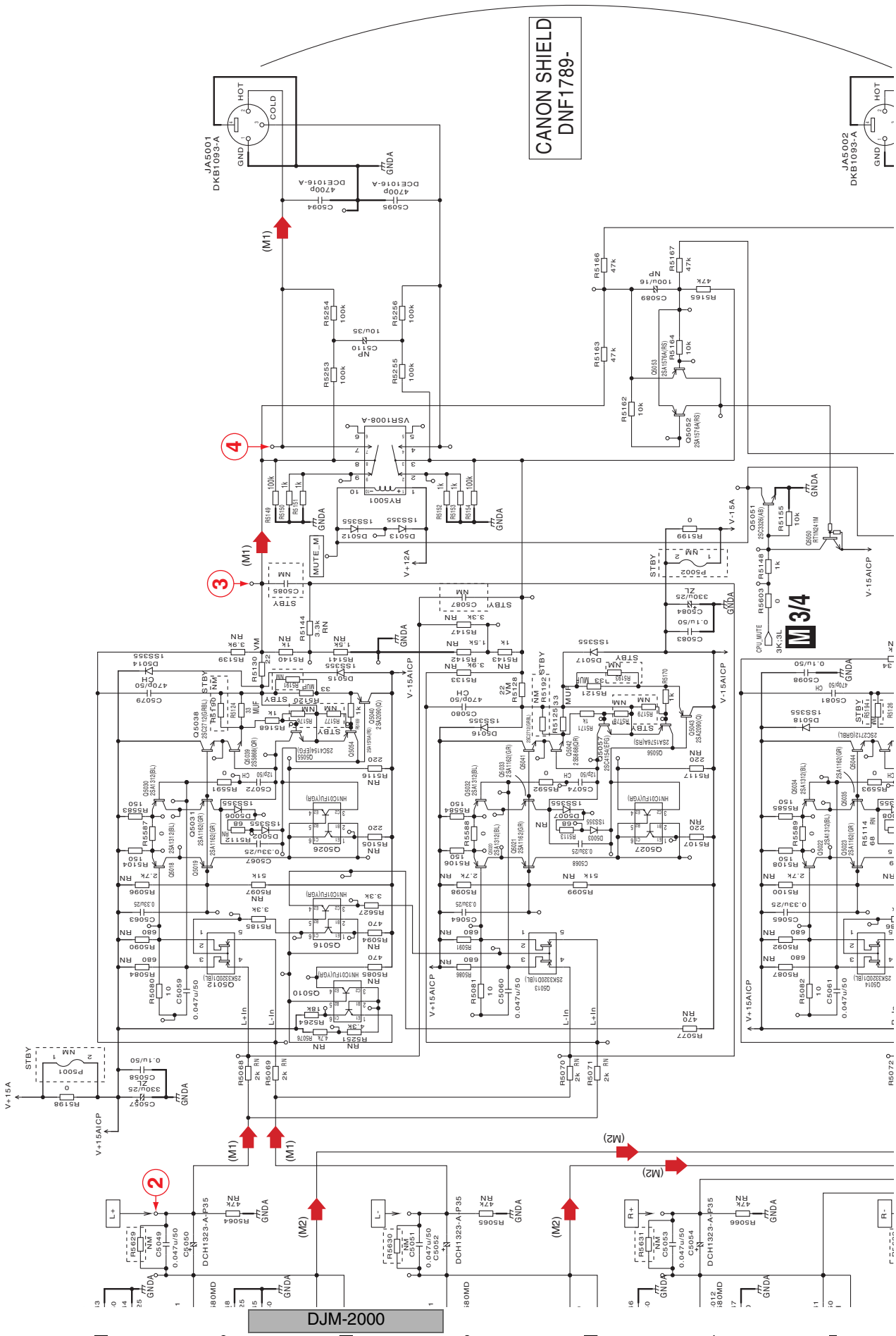
Audio Signal Route

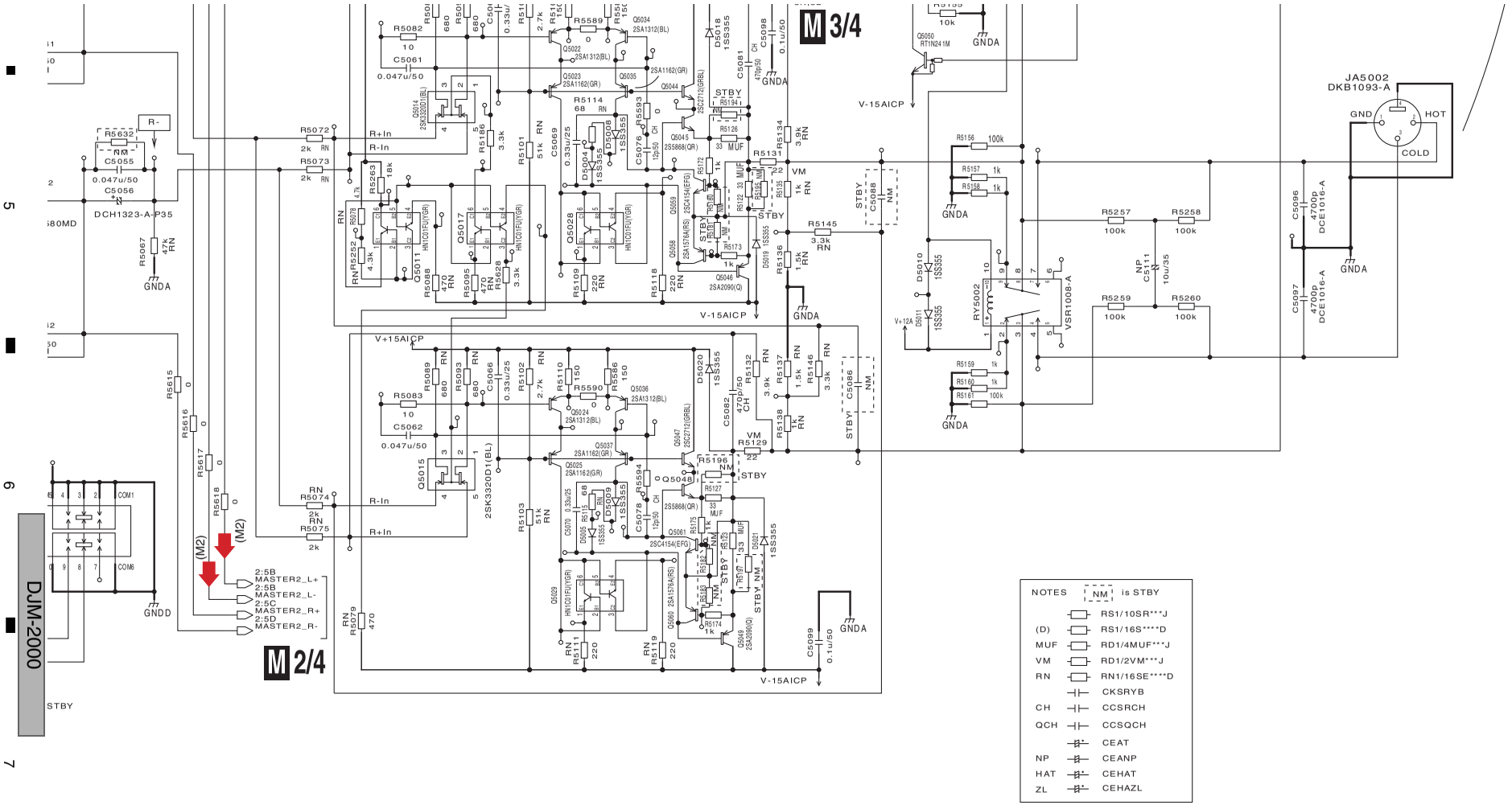
(M1) ➡ : MASTER1 Signal (L CH)

(M2) ➡ : MASTER2 Signal (L CH)

(M1D) ➡ : MASTER1 Data Signal

M 1/4 AOUT ASSY (DWX2924)





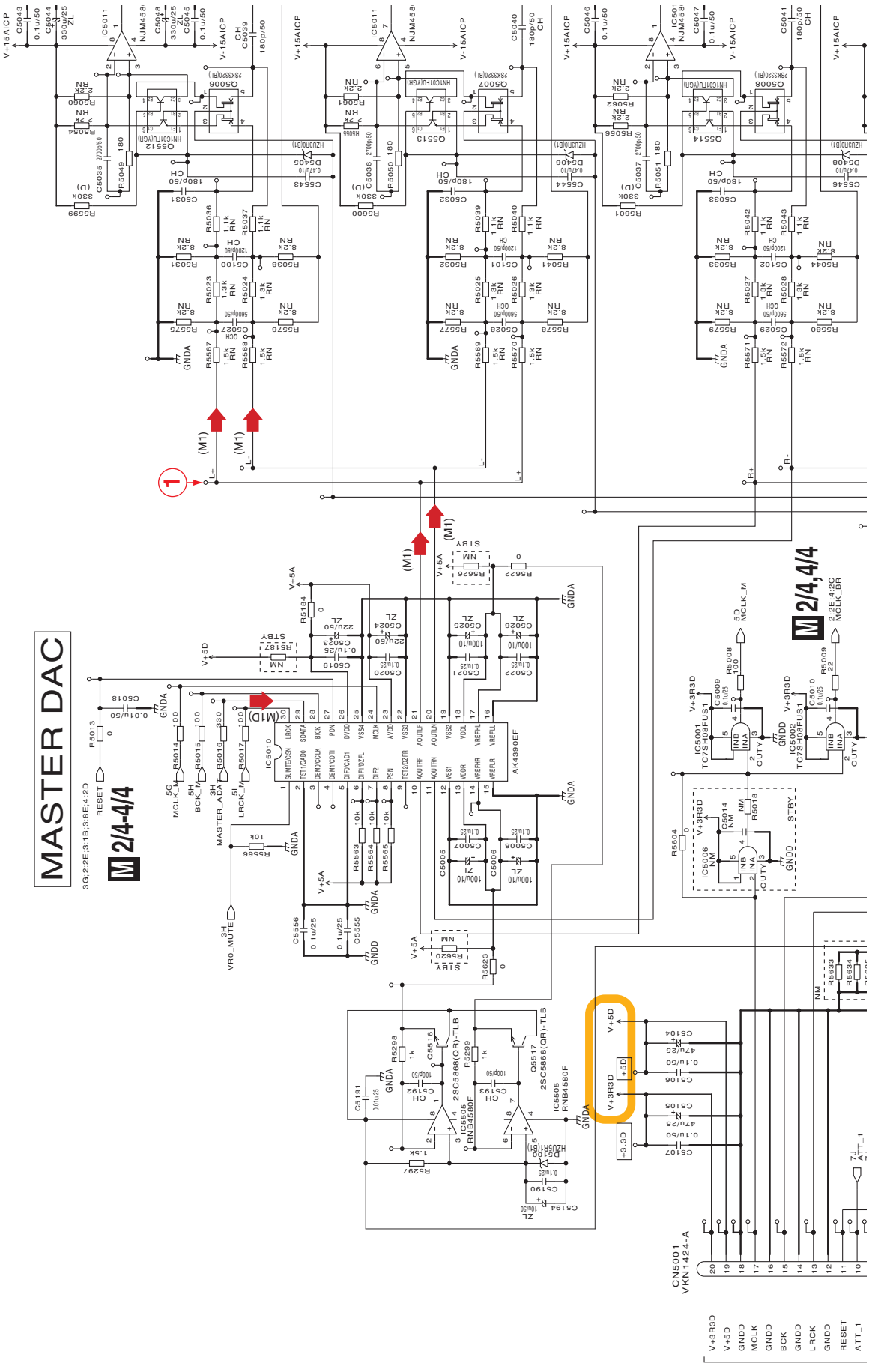
Audio Signal Route

(M1) ➡ : MASTER1 Signal (L CH)

(M2) ➡ : MASTER2 Signal (L CH)

(M1D) ➡ : MASTER1 Data Signal

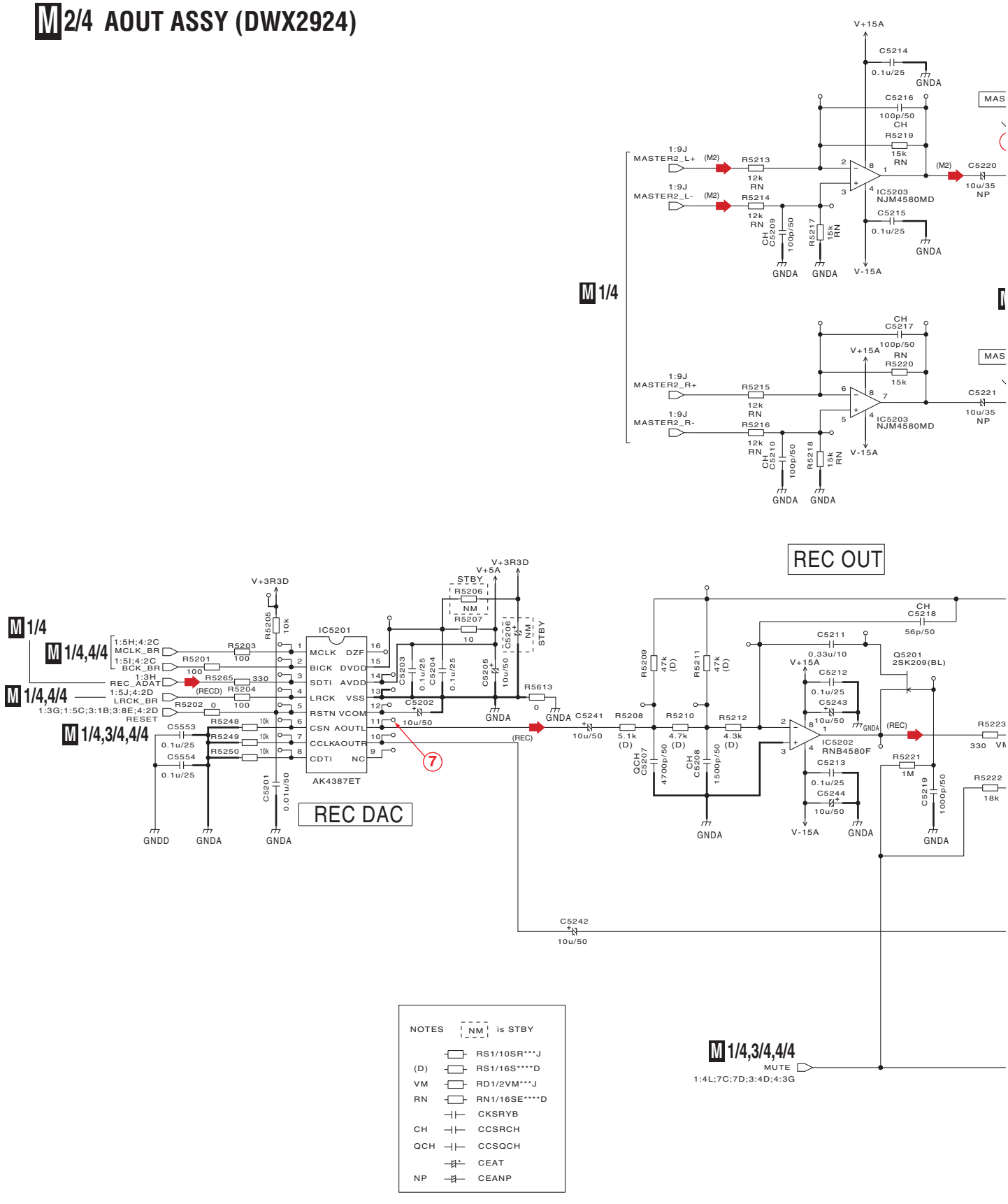
MASTER1 OUT


MASTER DAC
M 2/4-4/4
M 2/4,4/4
IC5010
AK4390EF
IC5001
IC5002
IC5006
IC5505
RNB4580F
Q5516
Q5517
2SC5886(QR)-TLB
CN5001
VKN1424-A
CN1105
V+15AICP
V-15AICP
V+5A
V+5D
V+3R3D
GNDA
GNDD
STBY
(M1)
(M1D)
MCLK_M
BCK_M
LRCK_M
MASTER_ADA
VR0_MUTE
RESET
ATT_1
V+3R3D
V+5D
GNDD
MCLK
GNDD
BCK
GNDD
LRCK
GNDD
RESET
ATT_1

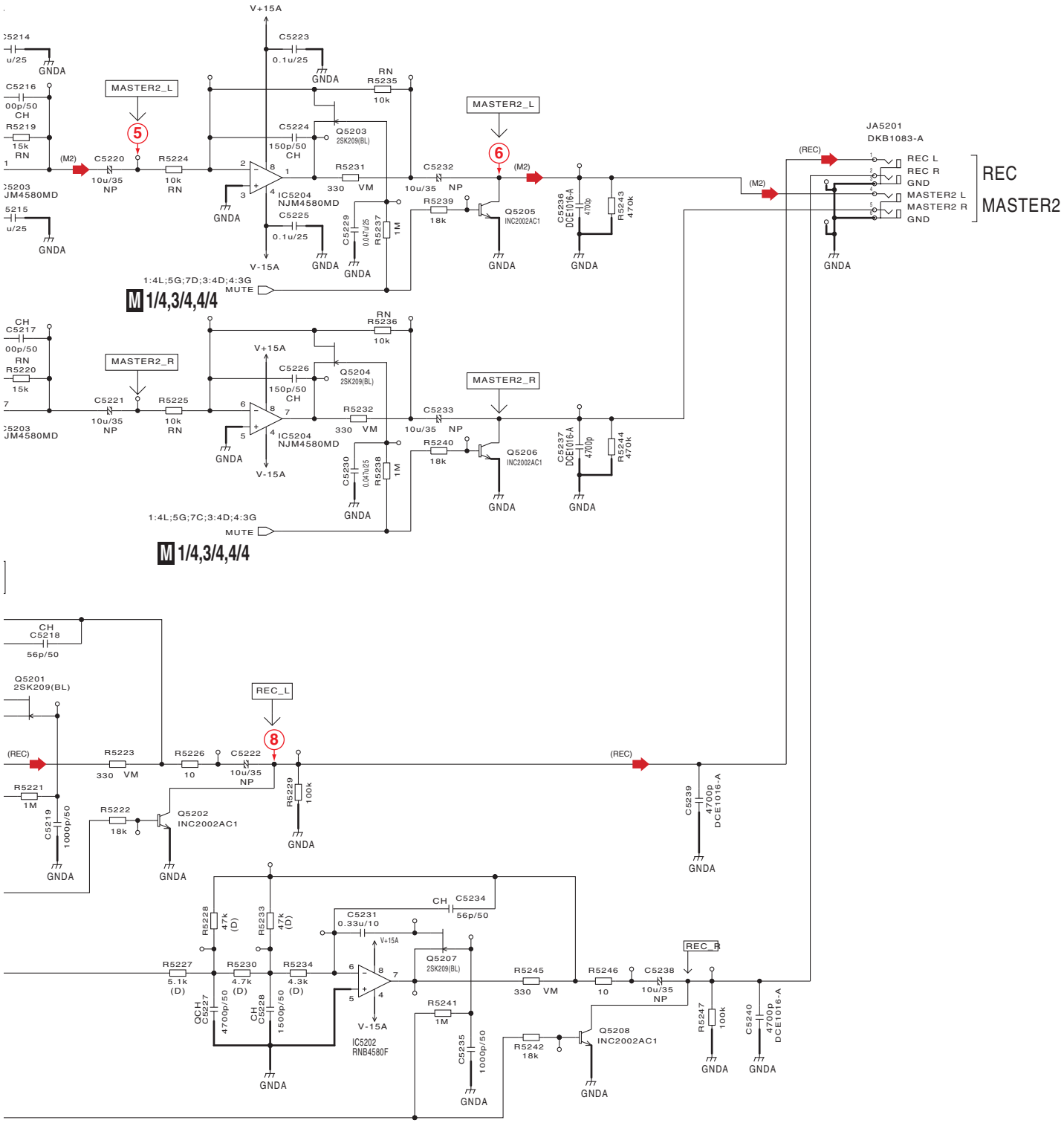
M 2/4,4/4
M 2/4,4/4
M 2/4,4/4
M 2/4-4/4
M 3/4
M 4/4
M 2/4
M 2/4-4/4
I 1/6 CN1105
J 1/2 CN106
CN5002 B12B-EH
MCLK
GNDD
BCK
GNDD
LRCK
GNDD
RESET
ATT_1
ATT_2
RETURN_IN
MVR_MUTE
GNDD
RETURN_DATA
SEND_DATA
BOOTH_DATA
REC_DATA
MASTER_DATA
V+5A
GNDA
V+15A
GNDA
V-15A
GNDA
V+12A
GNDA
VMUTE
GNDA
CPU_MUTE
V+12D
V+16VMUTE
CPU_MUTE
DJM-2000

10.19 AOUT ASSY (2/4)

M 2/4 AOUT ASSY (DWX2924)



M 2/4



Audio Signal Route

(M2) : MASTER2 Signal (L CH)

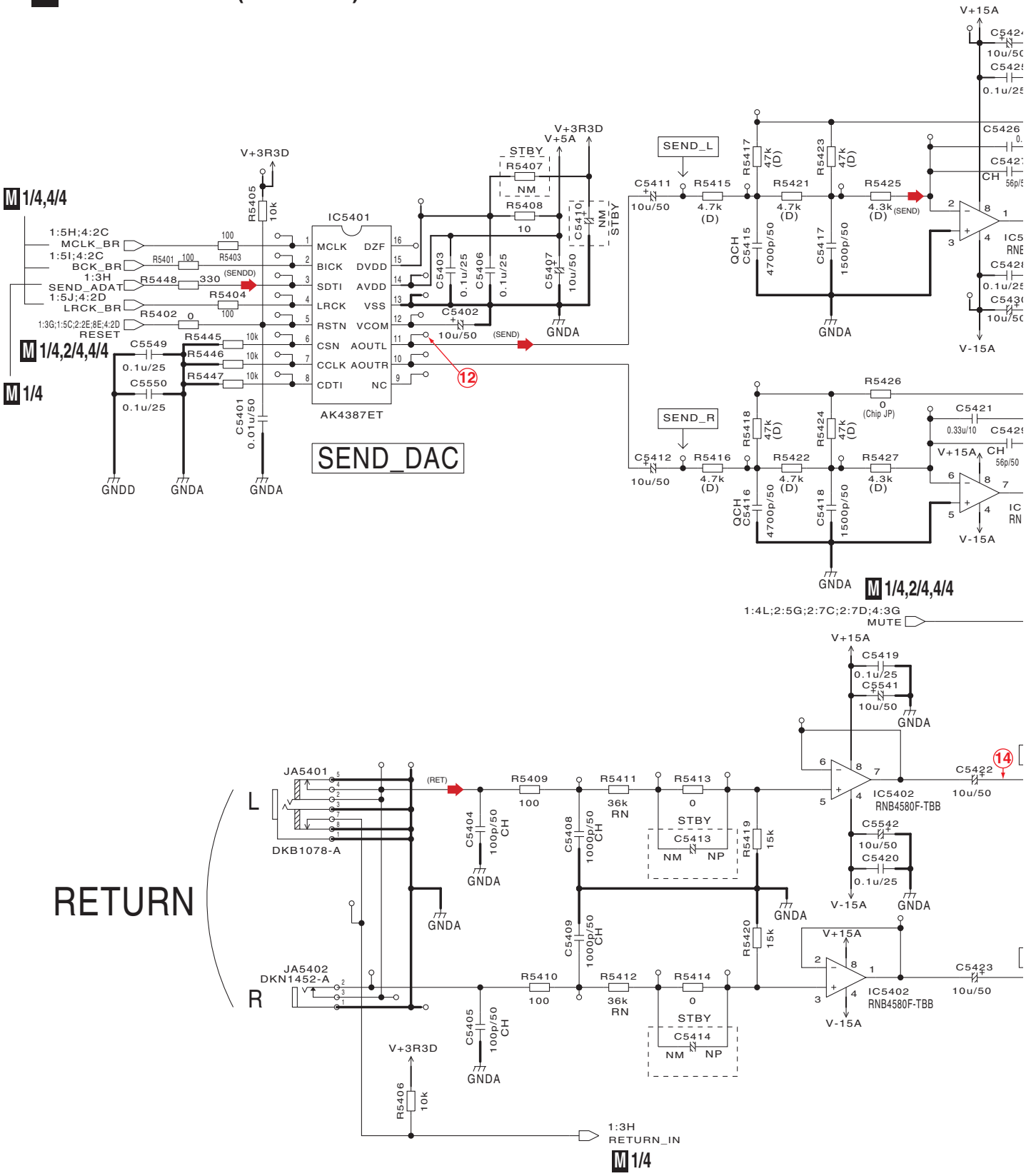
(REC) : REC Signal (L CH)

(RECD) : REC Data Signal

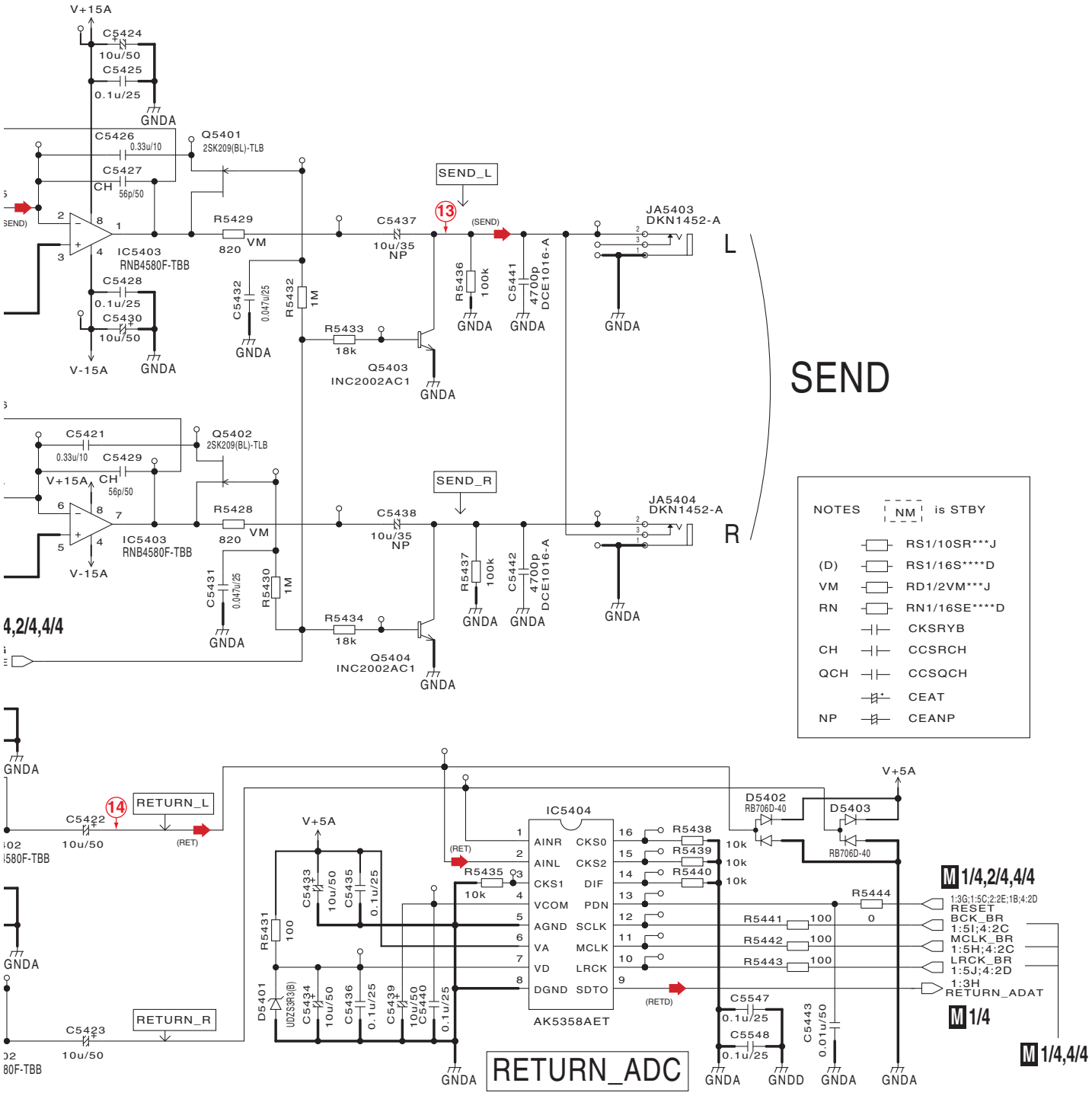
MASTER2 / REC

10.20 AOUT ASSY (3/4)

M 3/4 AOUT ASSY (DWX2924)

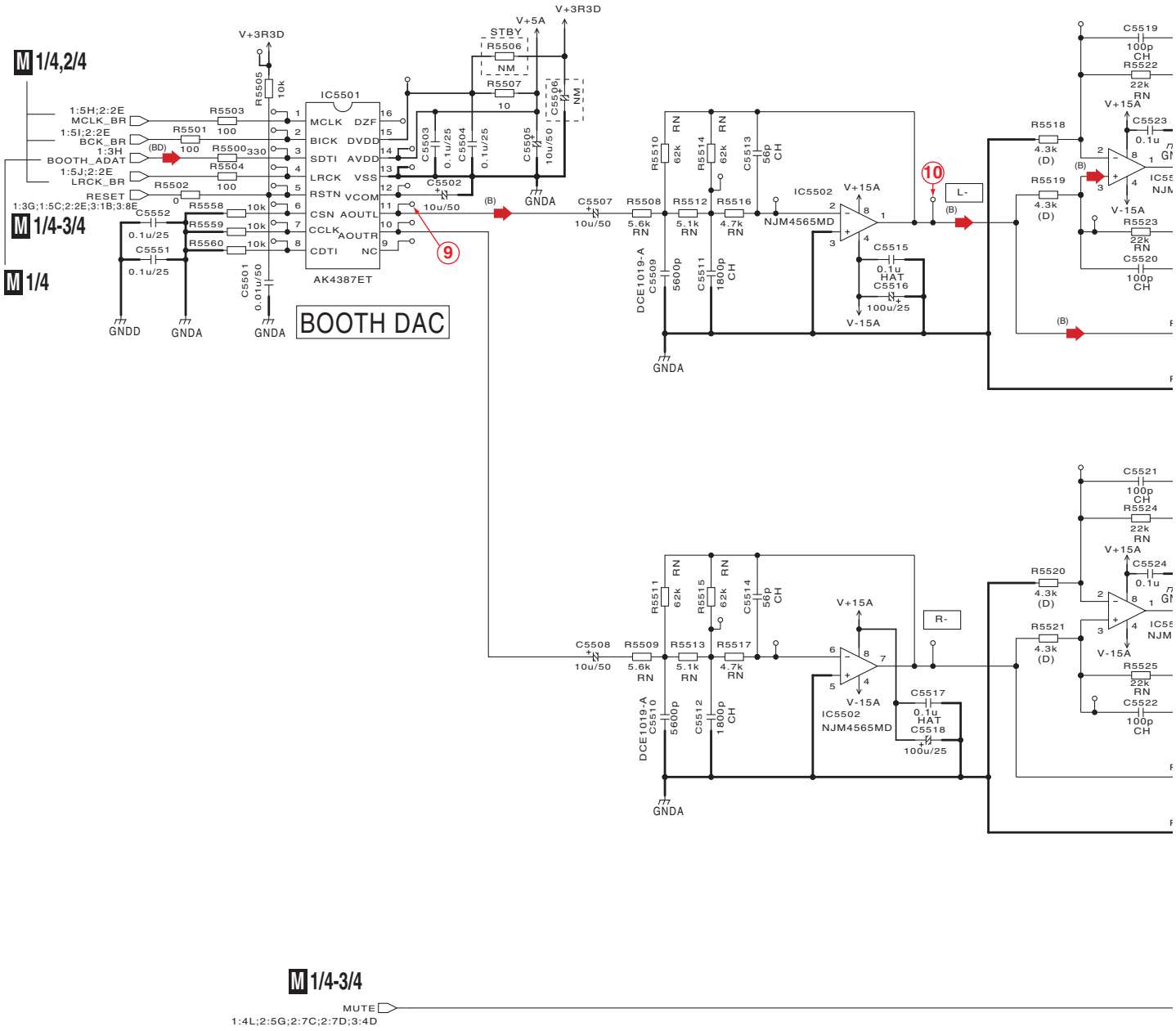


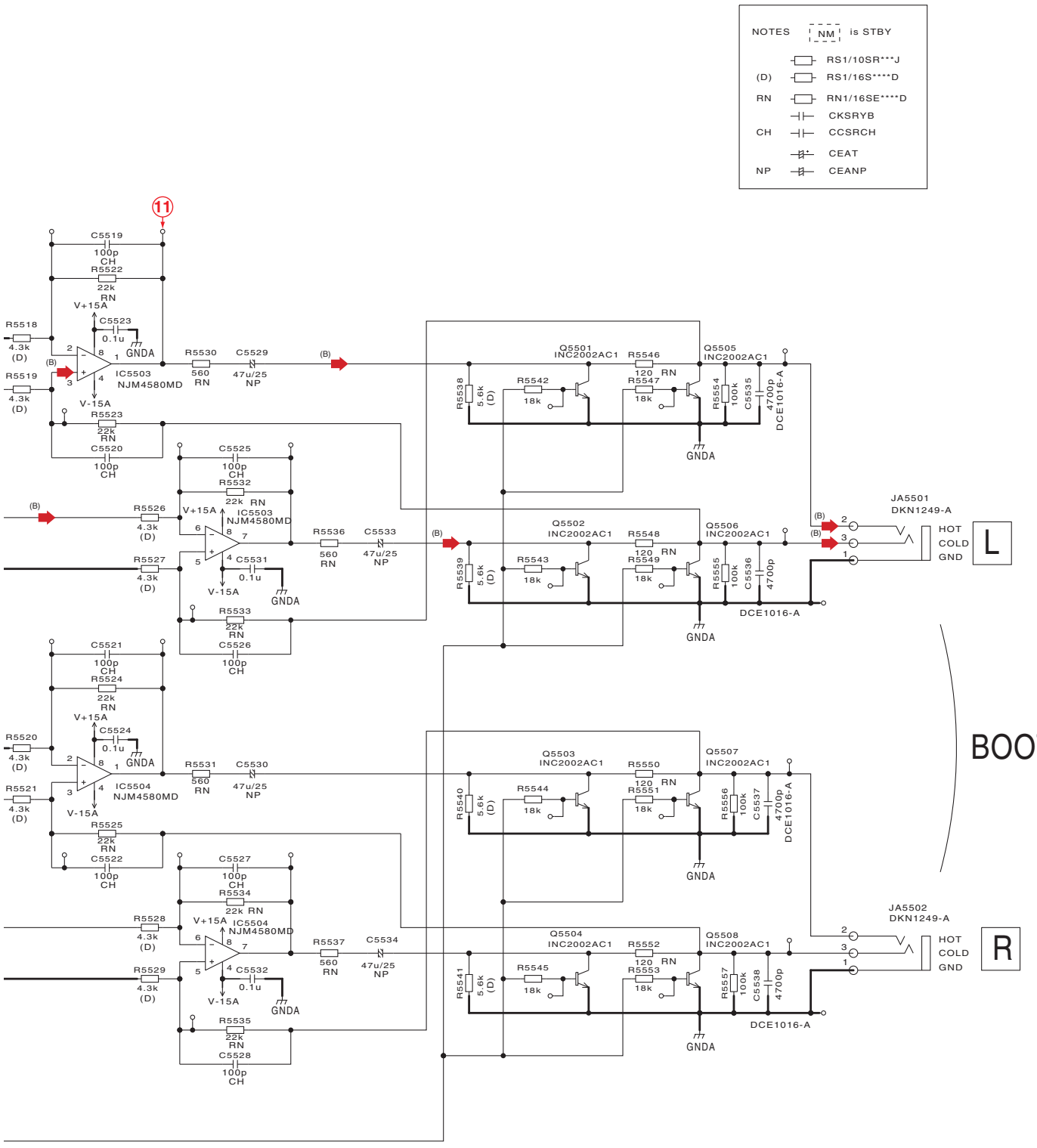
M 3/4


SEND
L
R
SEND_L
SEND_R
RETURN_L
RETURN_R
RETURN_ADC
IC5403
RNB4580F-TBB
IC5404
AK5358AET
JA5403
DKN1452-A
JA5404
DKN1452-A
Q5401
2SK209(BL)-TLB
Q5402
2SK209(BL)-TLB
Q5403
INC2002AC1
Q5404
INC2002AC1
V+15A
V-15A
V+5A
GNDA
GNDD
NOTES
NM is STBY
RS1/10SR***J
(D) RS1/16S****D
VM RD1/2VM***J
RN RN1/16SE****D
CKSRYB
CH CCSRCH
QCH CCSQCH
CEAT
NP CEANP
M 1/4,2/4,4/4
M 1/4
M 1/4,4/4
M 3/4
Audio Signal Route
(SEND) : SEND Signal (L CH)
(RET) : RETURN Signal (L CH)
(SENDD) : SEND Data Signal
(RETD) : RETURN Data Signal
SEND/RETURN

10.21 AOUT ASSY (4/4)

M 4/4 AOUT ASSY (DWX2924)





Audio Signal Route

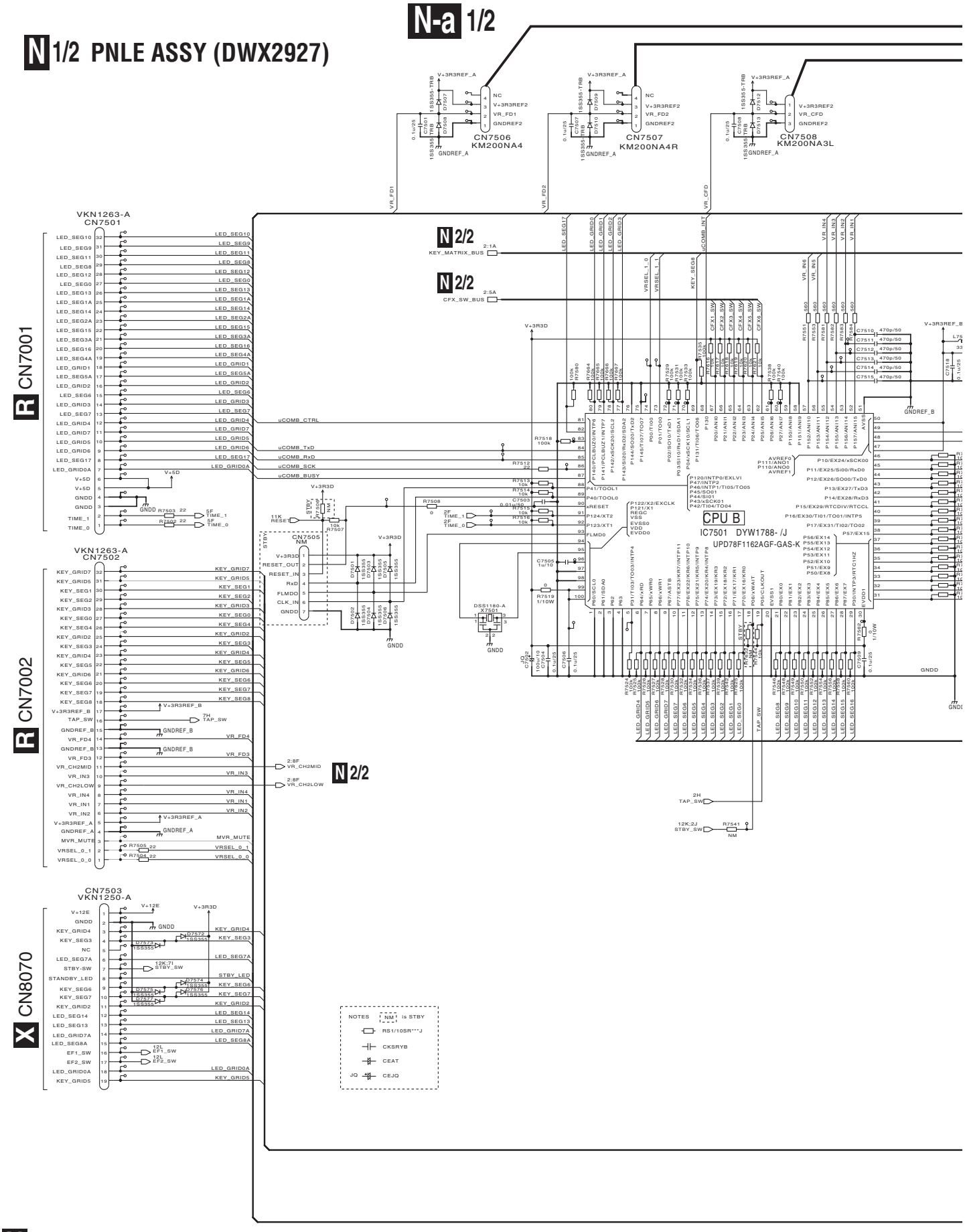
(B) : BOOTH Signal (L CH)

(BD) : BOOTH Data Signal

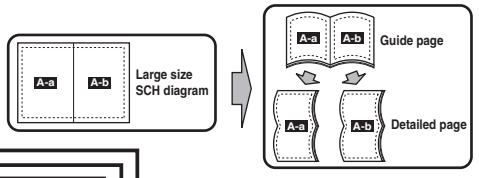
BOOTH

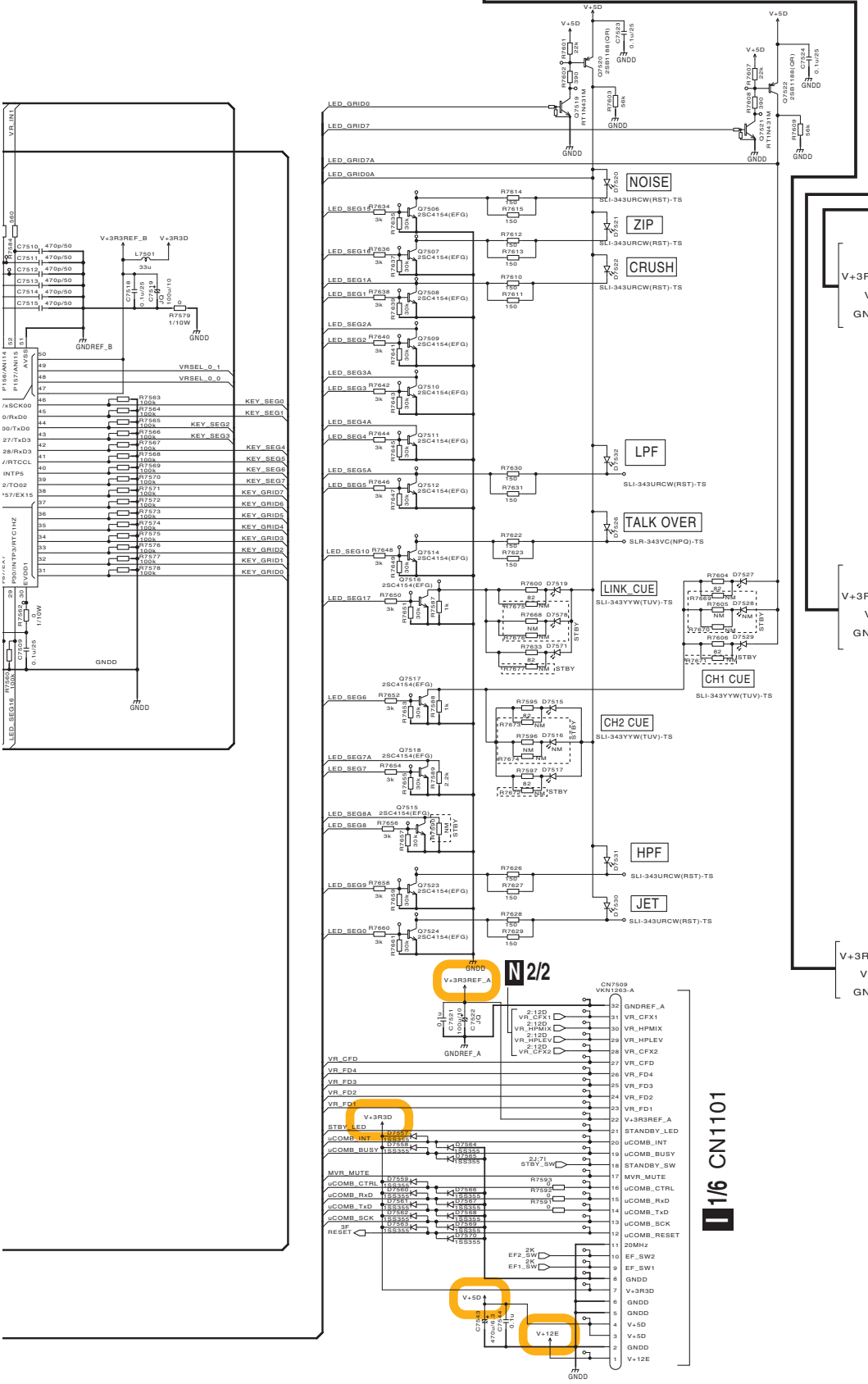
10.22 PNLE (1/2), CFD1, CFD2 and CRFD ASSYS

N 1/2 PNLE ASSY (DWX2927)

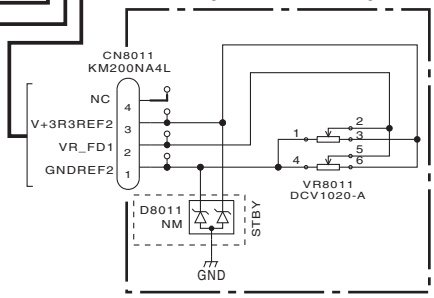


N-b 1/2

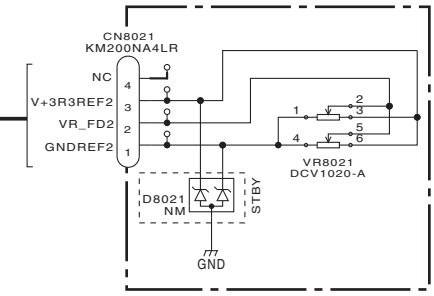




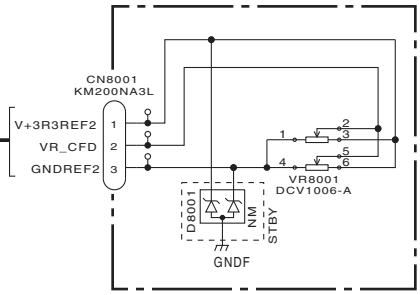
O CFD1 ASSY (DWX2930)



P CFD2 ASSY (DWX2931)



Q CRFD ASSY (DWX2929)



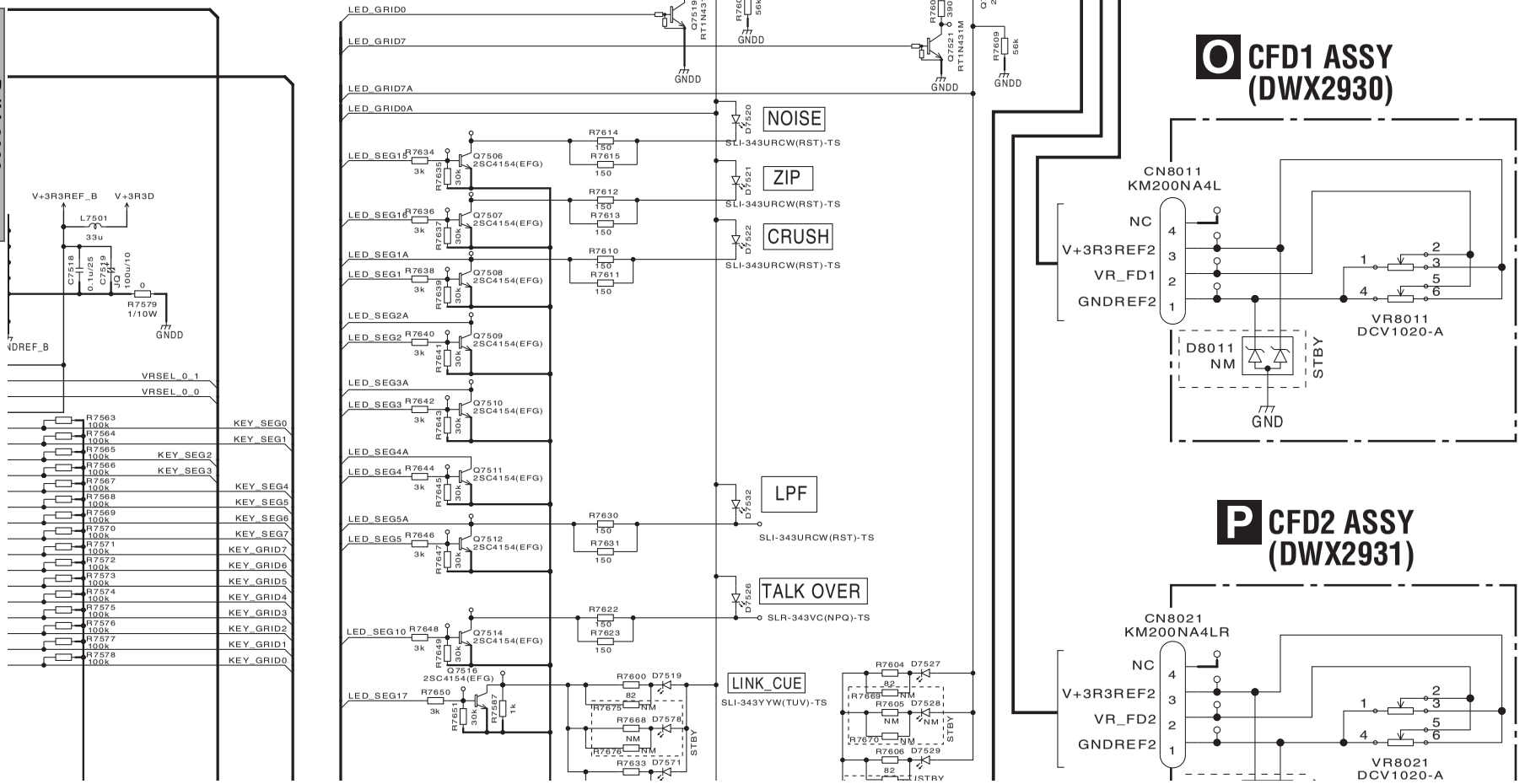
N 1/2 O P Q

N 1/2 PNLE ASSY (DWX2927)

DJM-2000

O CFD1 ASSY (DWX2930)

P CFD2 ASSY (DWX2931)



A

B

C

D

E

F

Q CRFD ASSY (DWX2929)

VR8021 DCV1020-A

STBY

D8021 NM

GND

NC

V+3R3REF2

VR_FD2

GNDREF2

CN8001 KM200NA3L

V+3R3REF2

VR_CFD

GNDREF2

VR8001 DCV1006-A

STBY

NM

D8001

GNDF

I 1/6 CN1101

A-a A-b

CN7509 VKN1283-A

GNDREF_A
V_CFX1
V_HPMIX
V_HPLEV
V_CFX2
V_CFD
V_FD4
V_FD3
V_FD2
V_FD1
V+3R3REF_A
STANDBY_LED
uCOMB_INT
uCOMB_BUSY
STANDBY_SW
MVR_MUTE
uCOMB_CTRL
uCOMB_RxD
uCOMB_TxD
uCOMB_SCK
uCOMB_RESET
20MHz
EF_SW2
EF_SW1
GNDD
V+3R3D
GNDD
V+5D
V+5D
GNDD
V+12E

N 2/2

LINK_CUE

CH2 CUE

CH1 CUE

HPF

JET

SLI-343YYW(TUV)-TS

SLI-343URCW(RST)-TS

STBY

LED_SEG17

LED_SEG6

LED_SEG7A

LED_SEG7

LED_SEG8A

LED_SEG8

LED_SEG9

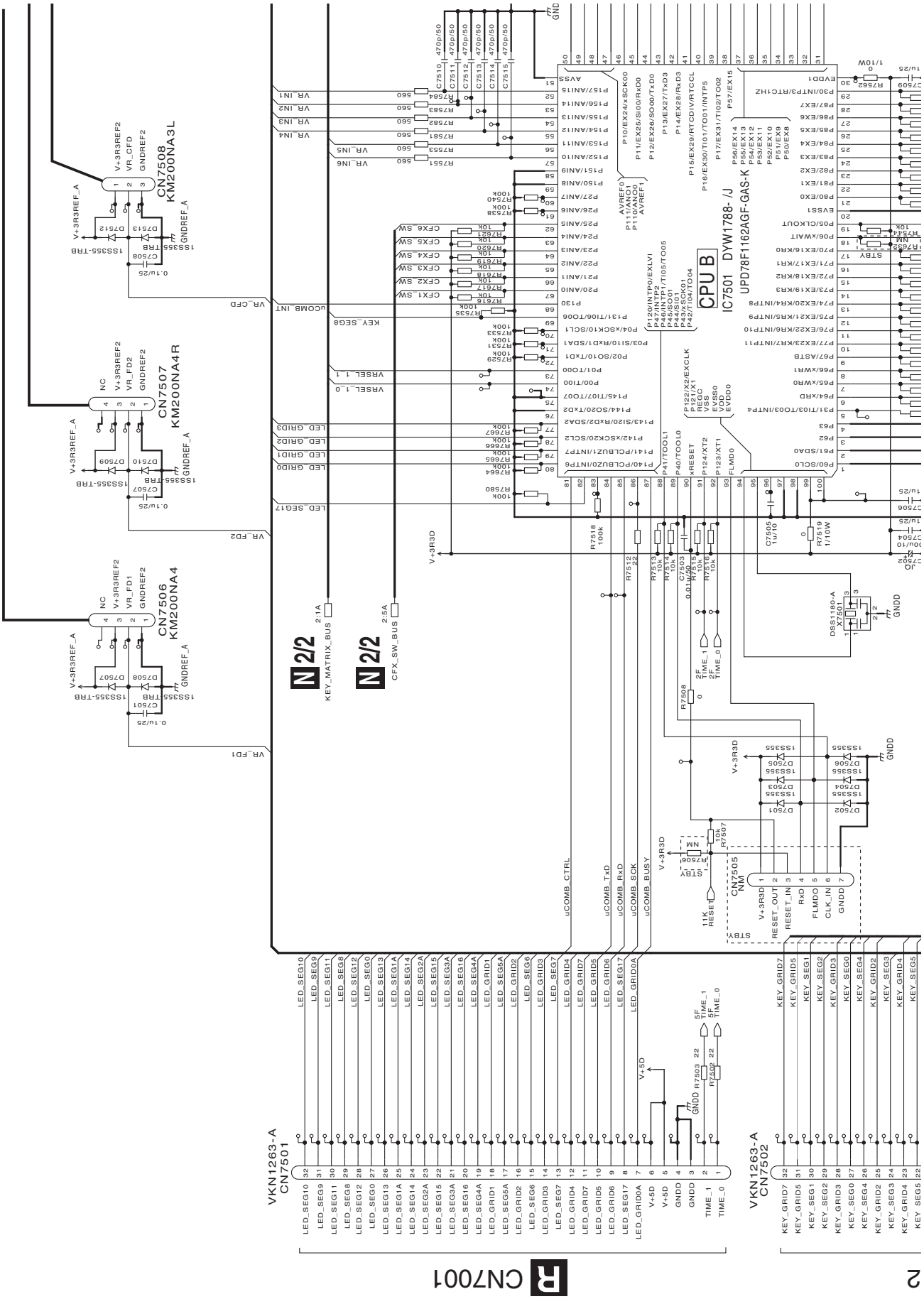
LED_SEG0

KEY_GRID0

GNDD

N-b 1/2

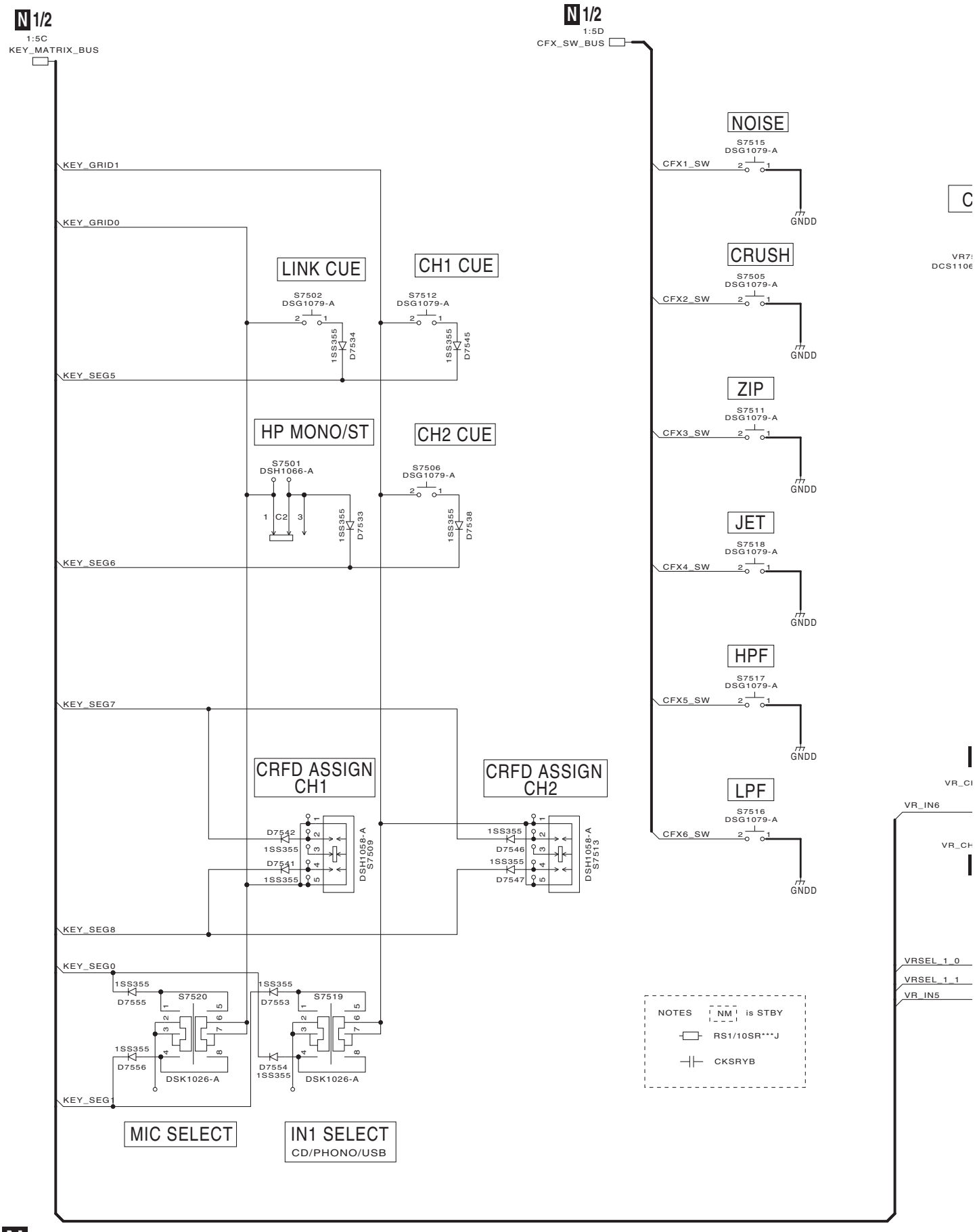
N 1/2 PNLE ASSY (DWX2927)



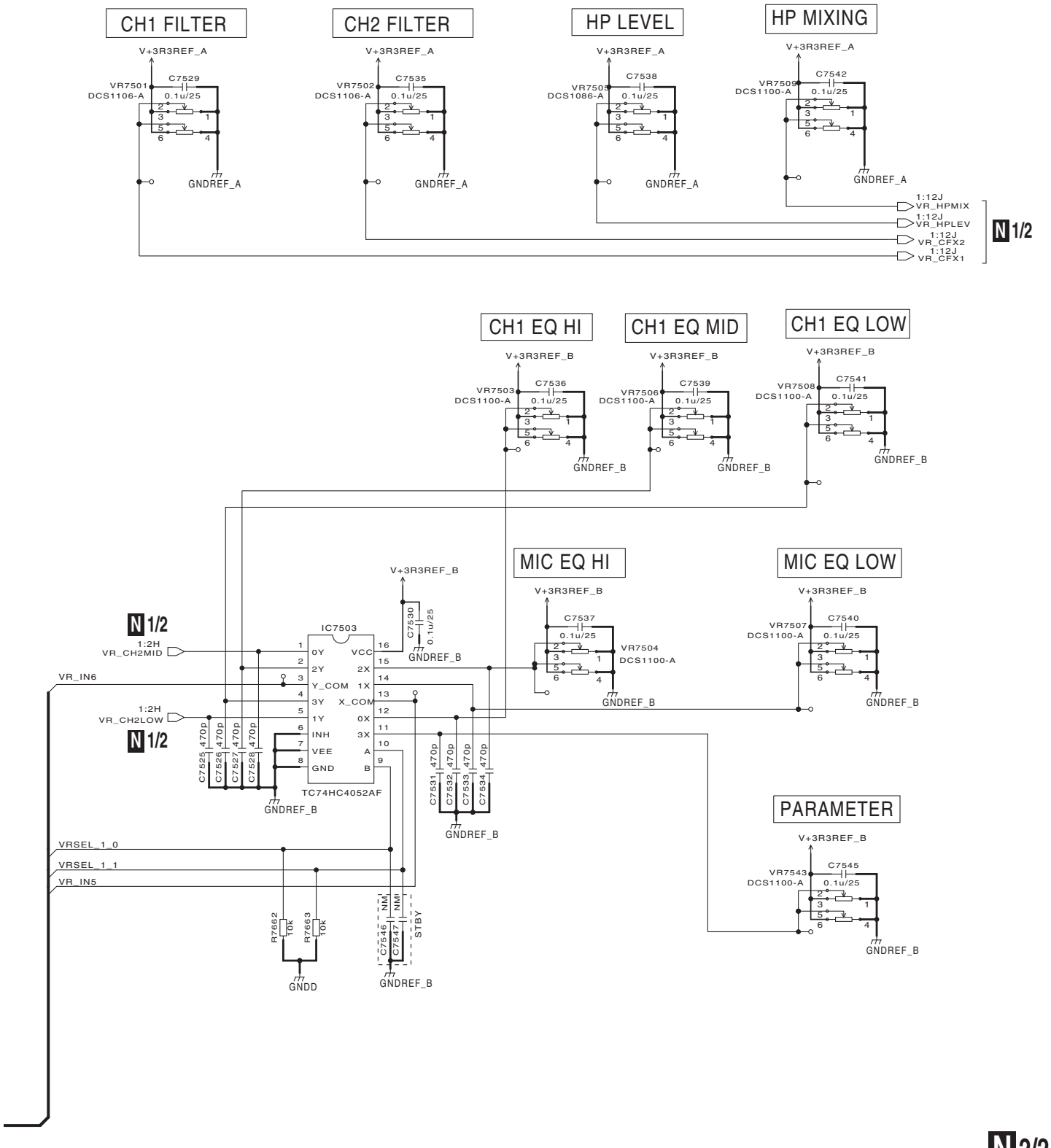
A-a A-b

N 2/2
R CN7002
X CN8070
CN7503
VKN11250-A
NOTES
RS1/10SR**J
CKSRYB
CEAT
CEJQ
DJM-2000

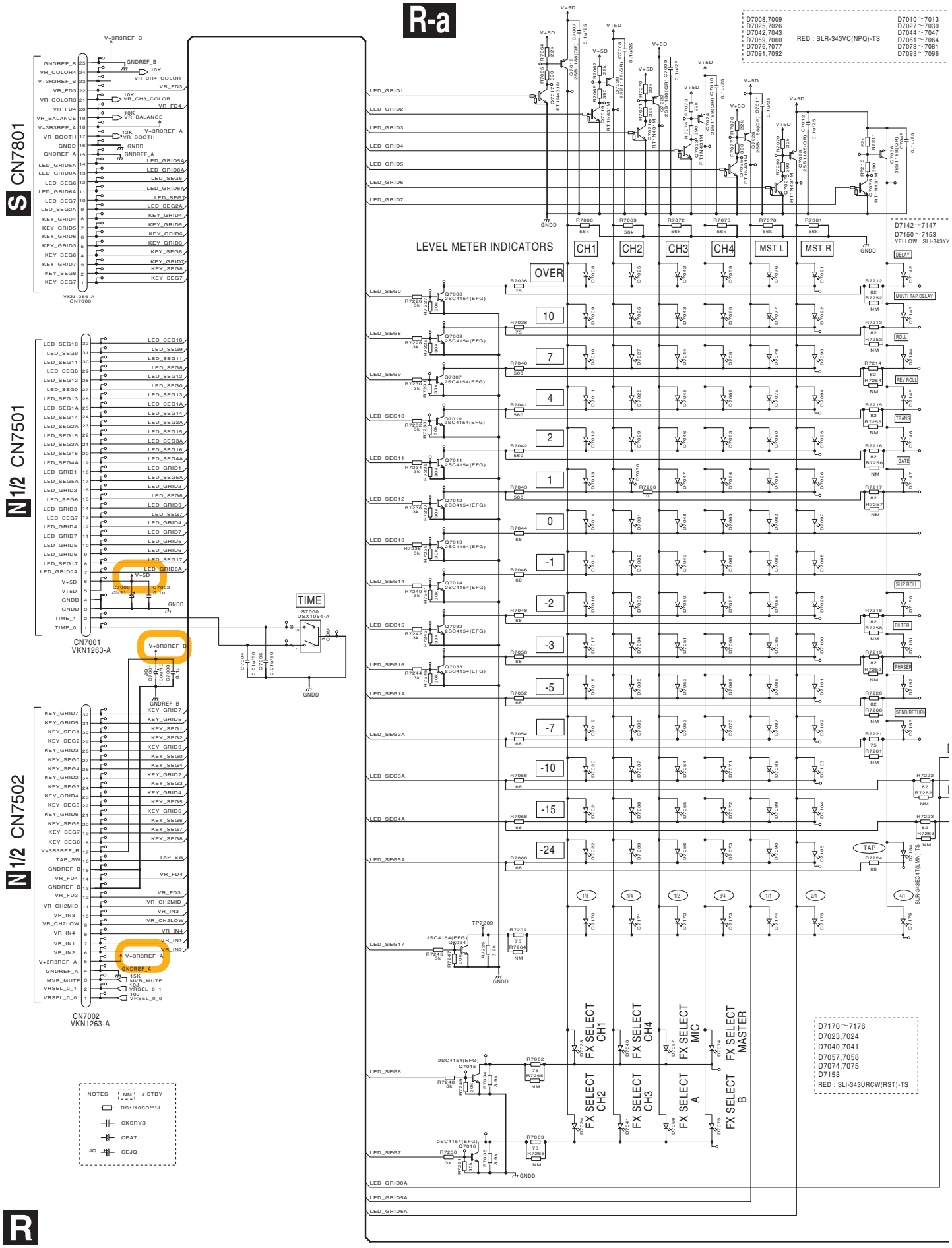
10.23 PNLE ASSY (2/2)



N 2/2 PNLE ASSY (DWX2927)

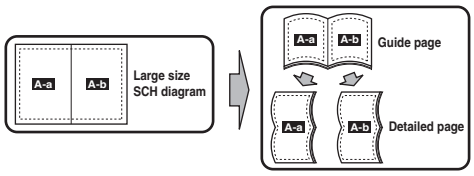


10.24 PNCE ASSY



R-b

R PNCE ASSY (DWX2926)



343VC(NPQ)-TS
D7010～7013
D7027～7030
D7044～7047
D7061～7064
D7078～7081
D7093～7096
YELLOW : SLI-343YYW(TUV)
D7014～7022
D7031～7039
D7048～7056
D7065～7073
D7082～7090
D7097～7105
GREEN : SLR-343MC(NPQ)-TS

D7142～7147
D7150～7153
YELLOW : SLI-343YYW(TUV)

70～7176
23,7024
40,7041
57,7058
74,7075
53
: SLI-343URCW(RST)-TS

SLI-343YYW(TUV)

SLR-343EC4T(LMN)-TS

KEY_GRID7
KEY_GRID6
KEY_GRID5
KEY_GRID4
KEY_GRID3
KEY_GRID2
KEY_SEG0
KEY_SEG1
KEY_SEG2
KEY_SEG3
KEY_SEG4
KEY_SEG5
TAP_SW

IN2 SELECT CD ↔ LINE
FX SELECT CH1
FX SELECT CH3
FX SELECT MIC
FX SELECT B
IN3 SELECT CD ↔ LINE
FX SELECT CH2
FX SELECT CH4
FX SELECT A
FX SELECT MASTER
IN4 SELECT CD ↔ LINE
BEAT 1/8
BEAT 1/2
BEAT 1/1
BEAT 2/1
BEAT 4/1
BEAT 1/4
BEAT 3/4
AUTO
DELAY
MULTI TAP DELAY
ROLL
REV ROLL
TRANS
GATE
ECHO
REVERB
SLIP ROLL
FILTER
PHASER
SEND/RETURN
TAP

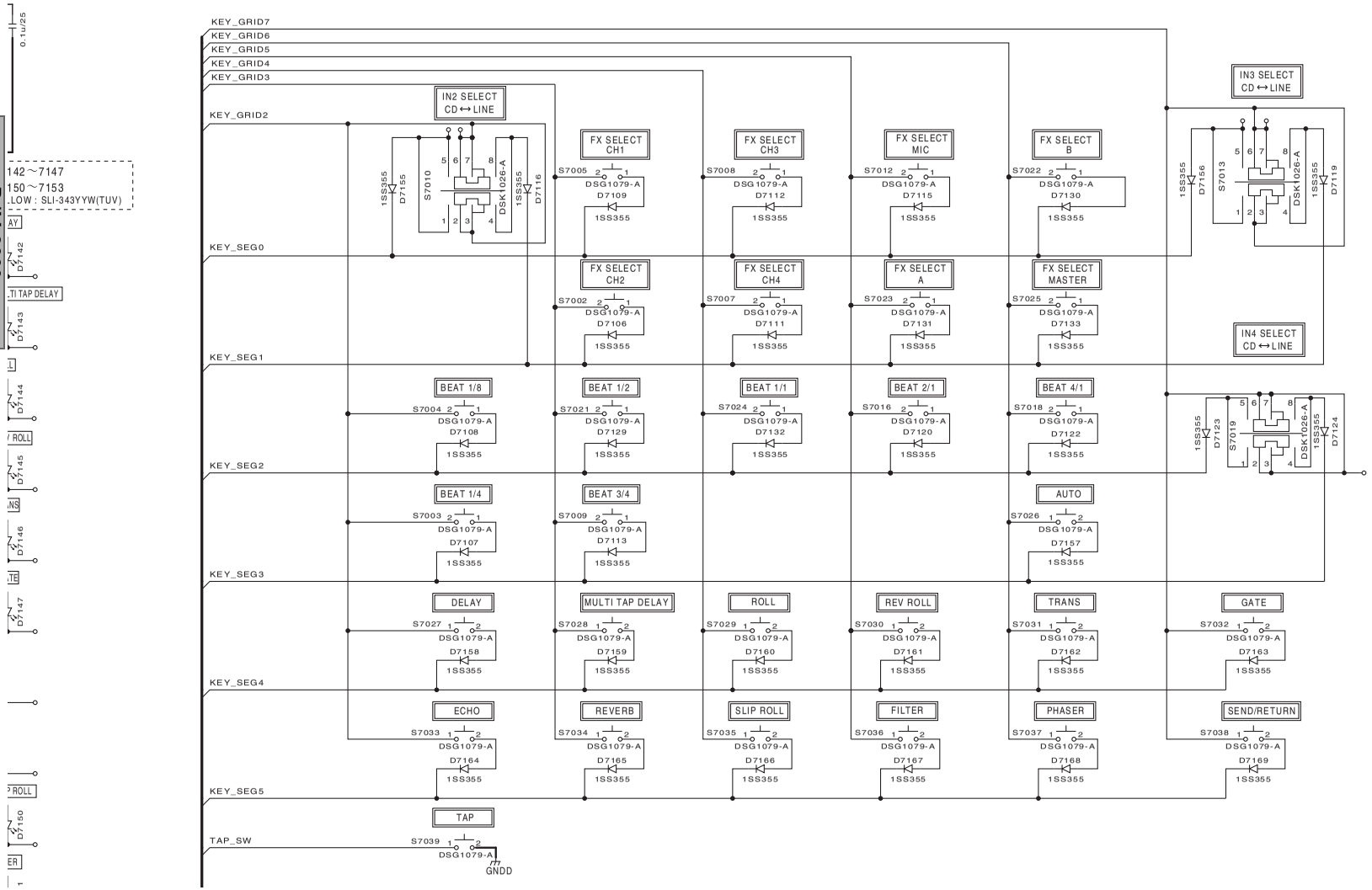
CH2 EQ HI
CH2 EQ MID
CH2 EQ LOW
CH3 EQ HI
CH3 EQ MID
CH3 EQ LOW
LEVEL DEPTH
BEAT FX LOW
BEAT FX MID
BEAT FX HI
MASTER LEVEL
CH4 EQ HI
CH4 EQ MID
CH4 EQ LOW

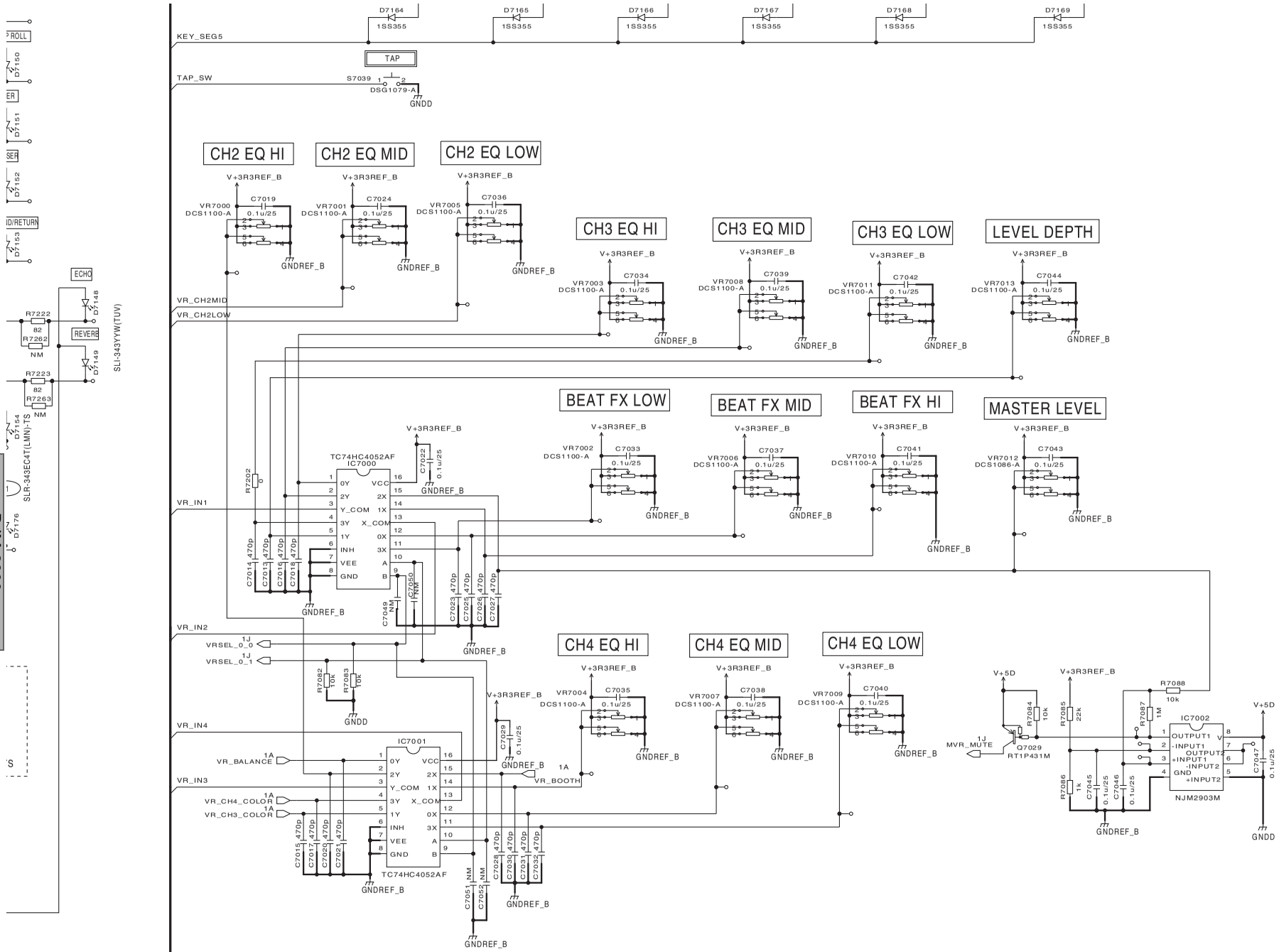
VR_CH2MID
VR_CH2LOW
VR_IN1
VR_IN2
VR_IN4
VR_IN3
VR_BALANCE
VR_CH4_COLOR
VR_CH3_COLOR
VR_BOOTH
MVR_MUTE

IC7000 TC74HC4052AF
IC7001 TC74HC4052AF
IC7002 NJM2903M

R PNCE ASSY (DWX2926)

D7008,7009 D7025,7026 D7042,7043 D7059,7060 D7076,7077 D7091,7092	RED : SLR-343VC(NPQ)-TS	D7010～7013 D7027～7030 D7044～7047 D7061～7064 D7078～7081 D7093～7096	YELLOW : SLI-343YYW(TUV)	D7014～7022 D7031～7039 D7048～7056 D7065～7073 D7082～7090 D7097～7105	GREEN : SLR-343MC(NPQ)-TS



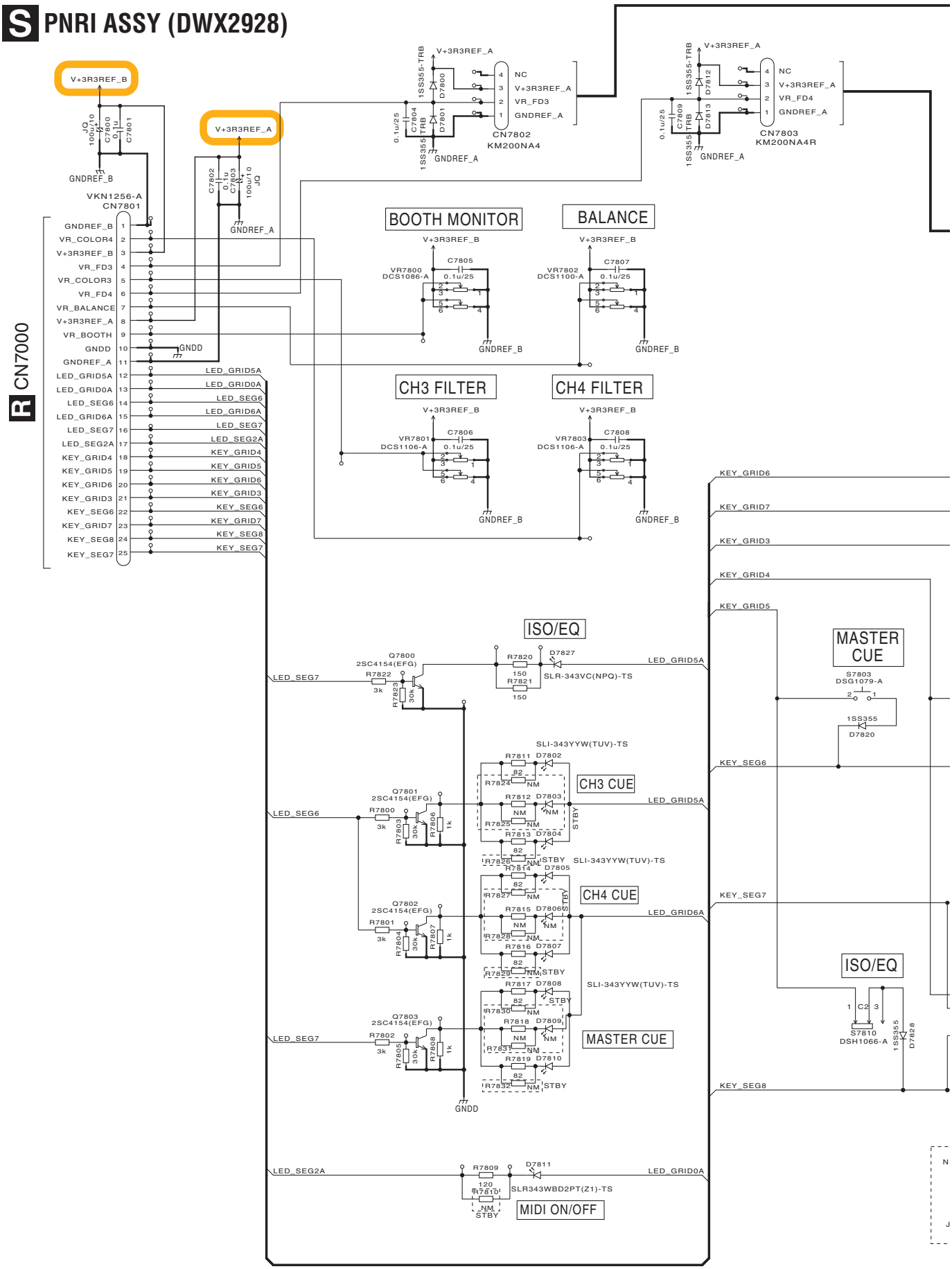

KEY_SEG5
D7164 1SS355
D7165 1SS355
D7166 1SS355
D7167 1SS355
D7168 1SS355
D7169 1SS355
TAP
TAP_SW
S7039 DSG1079-A
GNDD
CH2 EQ HI
CH2 EQ MID
CH2 EQ LOW
CH3 EQ HI
CH3 EQ MID
CH3 EQ LOW
LEVEL DEPTH
BEAT FX LOW
BEAT FX MID
BEAT FX HI
MASTER LEVEL
CH4 EQ HI
CH4 EQ MID
CH4 EQ LOW
V+3R3REF_B
GNDREF_B
VR_CH2MID
VR_CH2LOW
VR_IN1
VR_IN2
VR_IN3
VR_IN4
IC7000 TC74HC4052AF
IC7001 TC74HC4052AF
VRSEL_0_0
VRSEL_0_1
VR_BALANCE
VR_CH4_COLOR
VR_CH3_COLOR
VR_BOOTH
MVR_MUTE
Q7029 RT1P431M
IC7002 NJM2903M
V+5D
GNDD
ECHO
REVERB
SLI-343YYW(TUV)
SLR-343EC4T(LMN)-TS
DJM-2000
R-b
141
A-a A-b

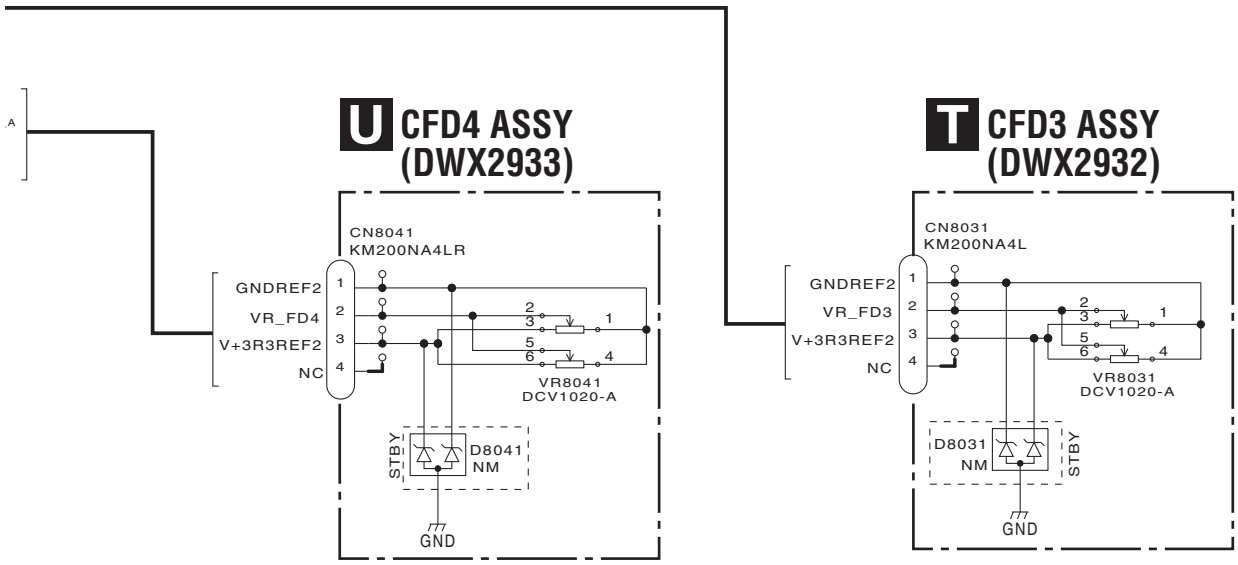
LEVEL METER INDICATORS
OVER
10
7
4
2
1
0
-1
-2
CH1
CH2
CH3
CH4
MST L
MST R
D714
D715
YELLI
DELAY
MULTI
ROLL
REV/R
TRANS
GATE
SLIP R
FILTER
TIME
S7000
DSX1064-A
S CN7801
N 1/2 CN7501
VKN1256-A
CN7000
GNDREF_B
VR_COLOR4
V+3R3REF_B
VR_FD3
VR_COLOR3
VR_FD4
VR_BALANCE
V+3R3REF_A
VR_BOOTH
GNDD
GNDREF_A
LED_GRID5A
LED_GRID0A
LED_SEG6
LED_GRID6A
LED_SEG7
LED_SEG2A
KEY_GRID4
KEY_GRID5
KEY_GRID6
KEY_GRID3
KEY_SEG6
KEY_GRID7
KEY_SEG8
KEY_SEG7
LED_SEG10
LED_SEG9
LED_SEG11
LED_SEG8
LED_SEG12
LED_SEG0
LED_SEG13
LED_SEG1A
LED_SEG14
LED_SEG2A
LED_SEG15
LED_SEG3A
LED_SEG16
LED_SEG4A
LED_GRID1
LED_SEG5A
LED_GRID2
LED_SEG6
LED_GRID3
LED_SEG7
LED_GRID4
LED_GRID7
LED_GRID5
LED_GRID6
LED_SEG17
LED_GRID0A
V+5D
GNDD
TIME_1
TIME_0

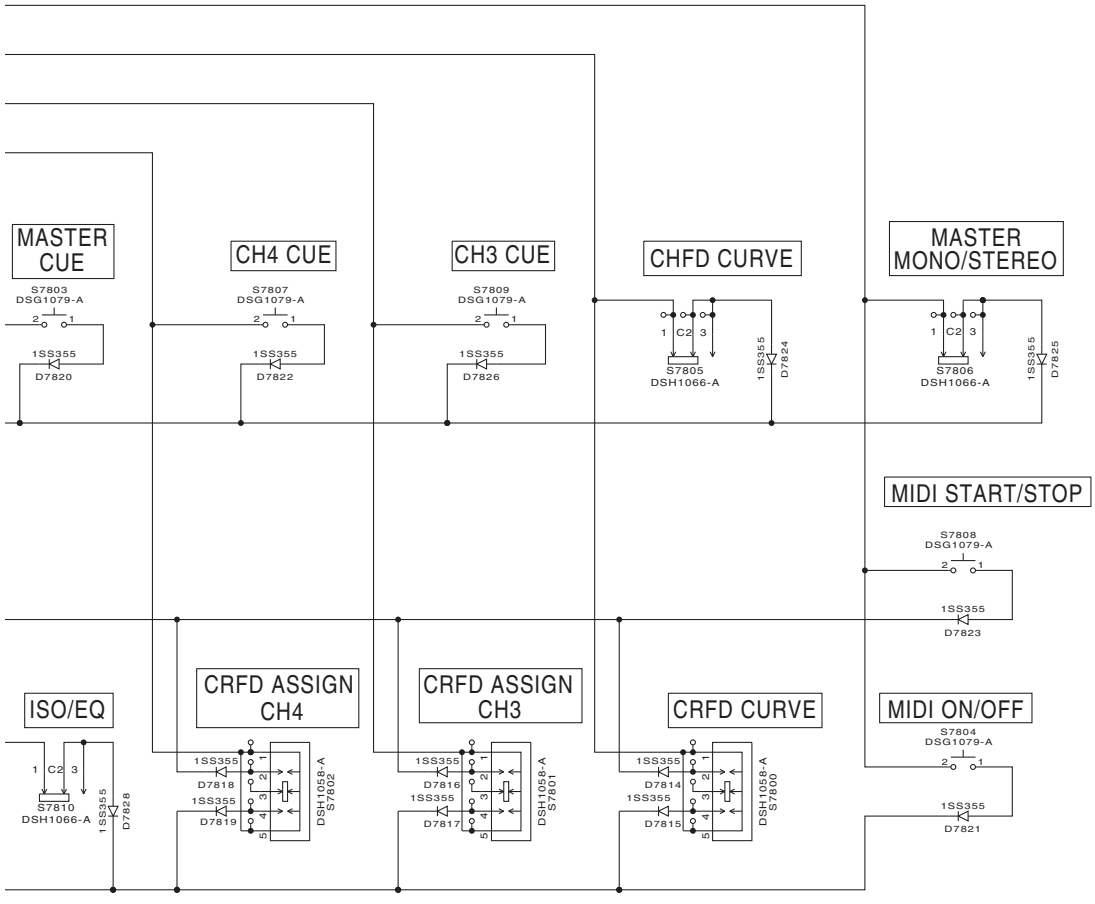
A-a A-b

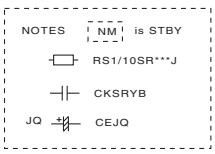
SLIP R
FILTER
PHASE
SEND
TAP
D7170 ~ 7176
D7023,7024
D7040,7041
D7057,7058
D7074,7075
D7153
RED : SLI-343URCW(RST)-TS
FX SELECT B
FX SELECT MASTER
FX SELECT A
FX SELECT MIC
FX SELECT CH3
FX SELECT CH4
FX SELECT CH2
FX SELECT CH1
-1
-2
-3
-5
-7
-10
-15
-24
A-a A-b
LED_SEG14
LED_SEG15
LED_SEG16
LED_SEG1A
LED_SEG2A
LED_SEG3A
LED_SEG4A
LED_SEG5A
LED_SEG17
LED_SEG6
LED_SEG7
LED_GRID0A
LED_GRID5A
LED_GRID6A
GNDD
TIME
S7000 DSX1064-A
COM
0.01u/50
C7004
C7005
CN7001 VKN1263-A
CN7002 VKN1263-A
LED_GRID0A
V+5D
GNDD
TIME_1
TIME_0
V+3R3REF_B
GNDREF_B
KEY_GRID7
KEY_GRID5
KEY_SEG1
KEY_SEG2
KEY_GRID3
KEY_SEG0
KEY_SEG4
KEY_GRID2
KEY_SEG3
KEY_GRID4
KEY_SEG5
KEY_GRID6
KEY_SEG6
KEY_SEG7
KEY_SEG8
TAP_SW
VR_FD4
VR_FD3
VR_CH2MID
VR_IN3
VR_CH2LOW
VR_IN4
VR_IN1
VR_IN2
V+3R3REF_A
GNDREF_A
MVR_MUTE
VRSEL_0_1
VRSEL_0_0
NOTES
RS1/10SR***J
CKSRYB
CEAT
CEJQ
N 1/2 CN7502

S PNRI ASSY (DWX2928)

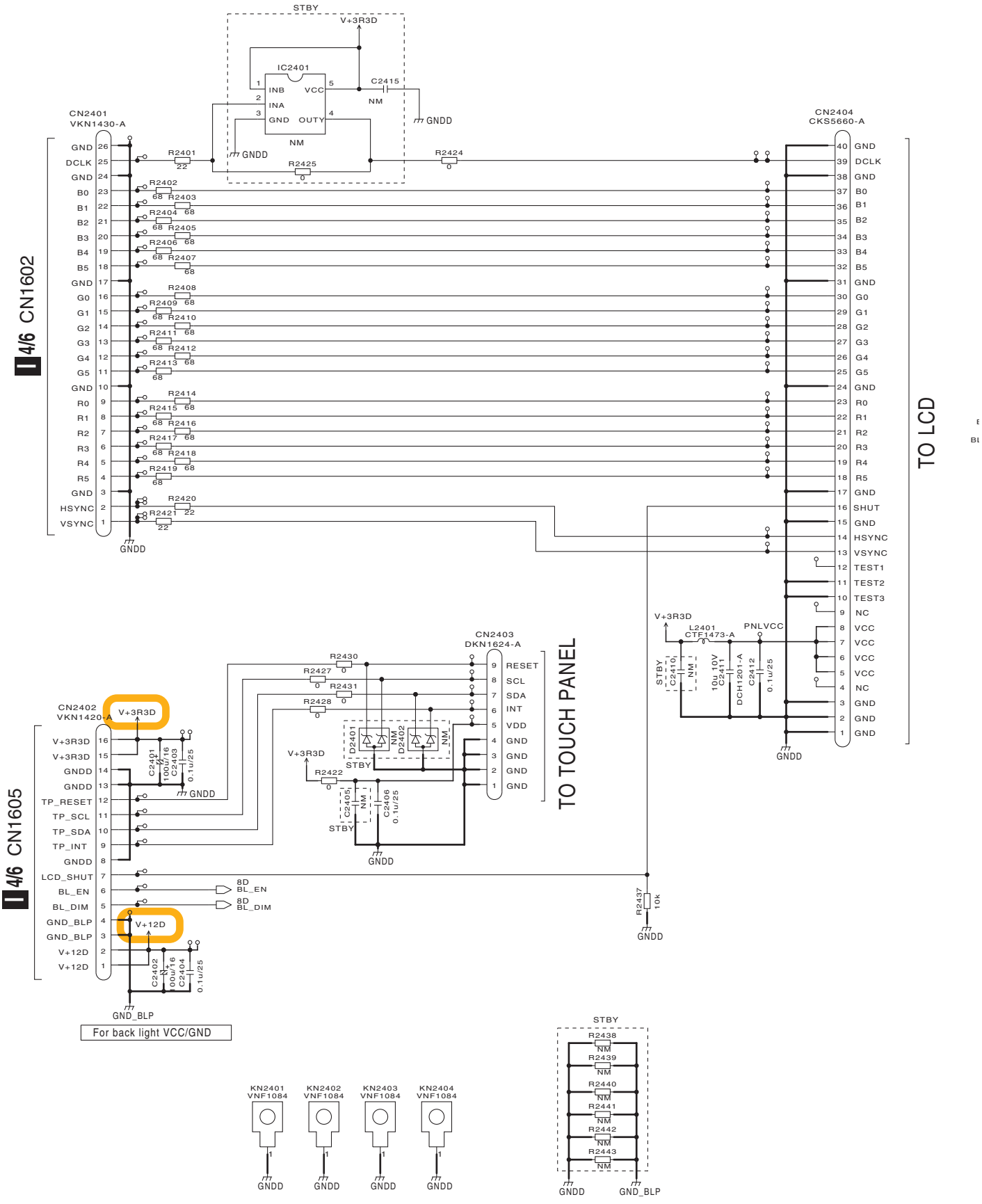



A
U CFD4 ASSY (DWX2933)
CN8041
KM200NA4LR
GNDREF2
VR_FD4
V+3R3REF2
NC
VR8041
DCV1020-A
STBY
D8041
NM
GND
T CFD3 ASSY (DWX2932)
CN8031
KM200NA4L
GNDREF2
VR_FD3
V+3R3REF2
NC
VR8031
DCV1020-A
D8031
NM
STBY
GND

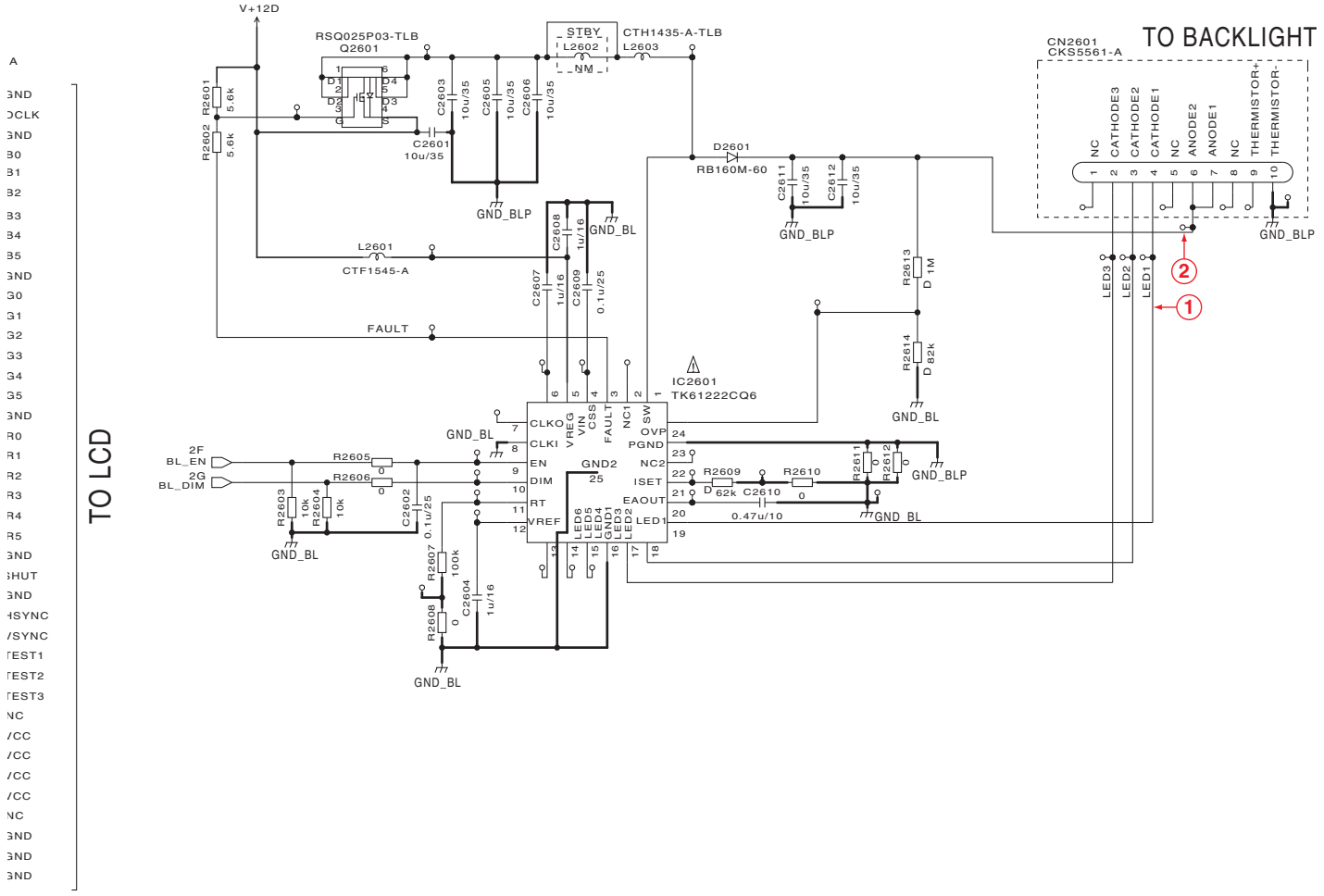

MASTER CUE
S7803 DSG1079-A
1SS355 D7820
CH4 CUE
S7807 DSG1079-A
1SS355 D7822
CH3 CUE
S7809 DSG1079-A
1SS355 D7826
CHFD CURVE
S7805 DSH1066-A
1SS355 D7824
MASTER MONO/STEREO
S7806 DSH1066-A
1SS355 D7825
MIDI START/STOP
S7808 DSG1079-A
1SS355 D7823
ISO/EQ
S7810 DSH1066-A
1SS355 D7828
CRFD ASSIGN CH4
1SS355 D7818
1SS355 D7819
DSH1058-A S7802
CRFD ASSIGN CH3
1SS355 D7816
1SS355 D7817
DSH1058-A S7801
CRFD CURVE
1SS355 D7814
1SS355 D7815
DSH1058-A S7800
MIDI ON/OFF
S7804 DSG1079-A
1SS355 D7821


NOTES NM is STBY
RS1/10SR***J
CKSRYB
JQ CEJQ

10.26 TFTB ASSY



V TFTB ASSY (DWX2921)



NOTES NM is STBY

RS1/10SR***J-T

CKSRYB

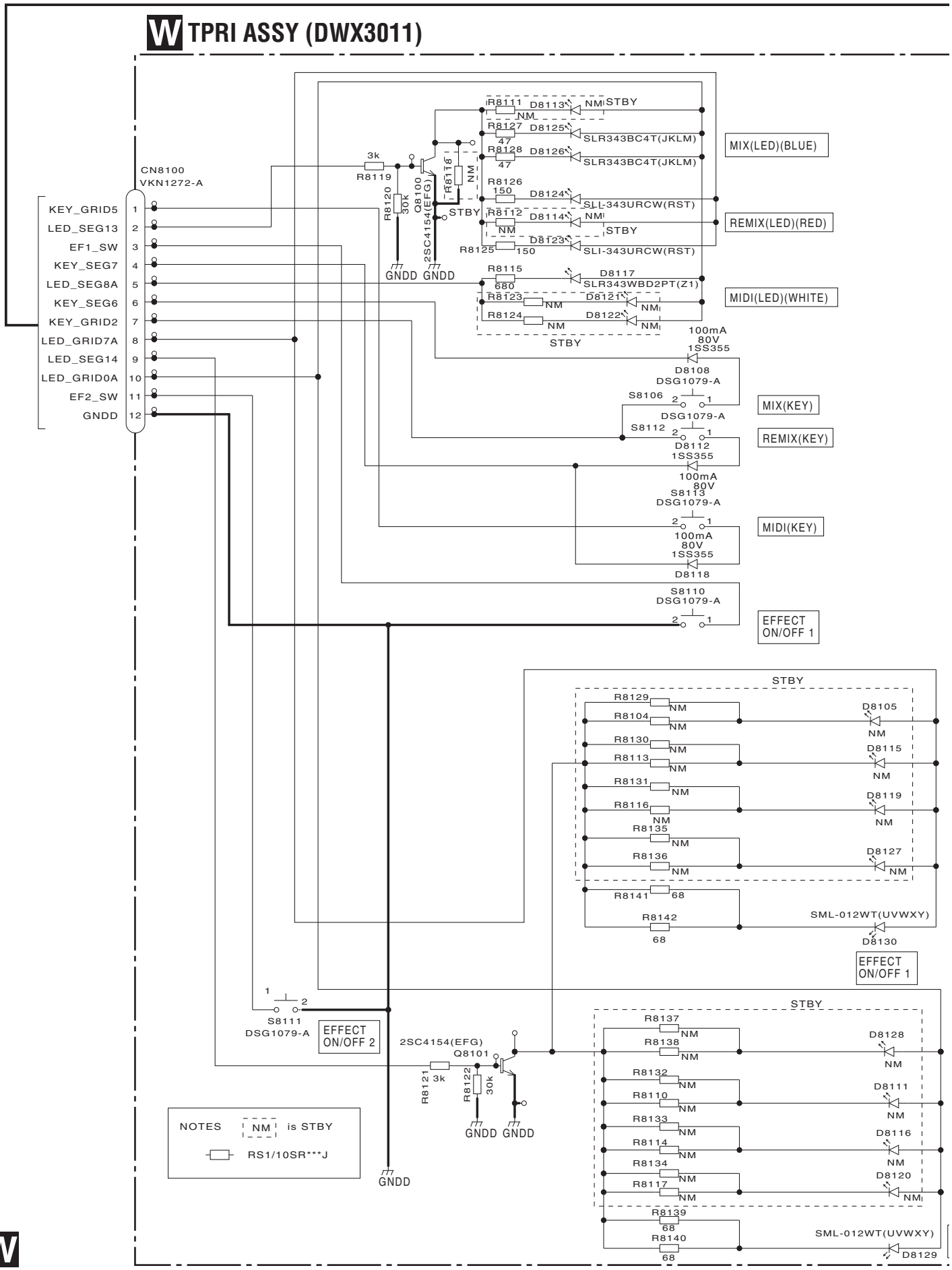
CEVW

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

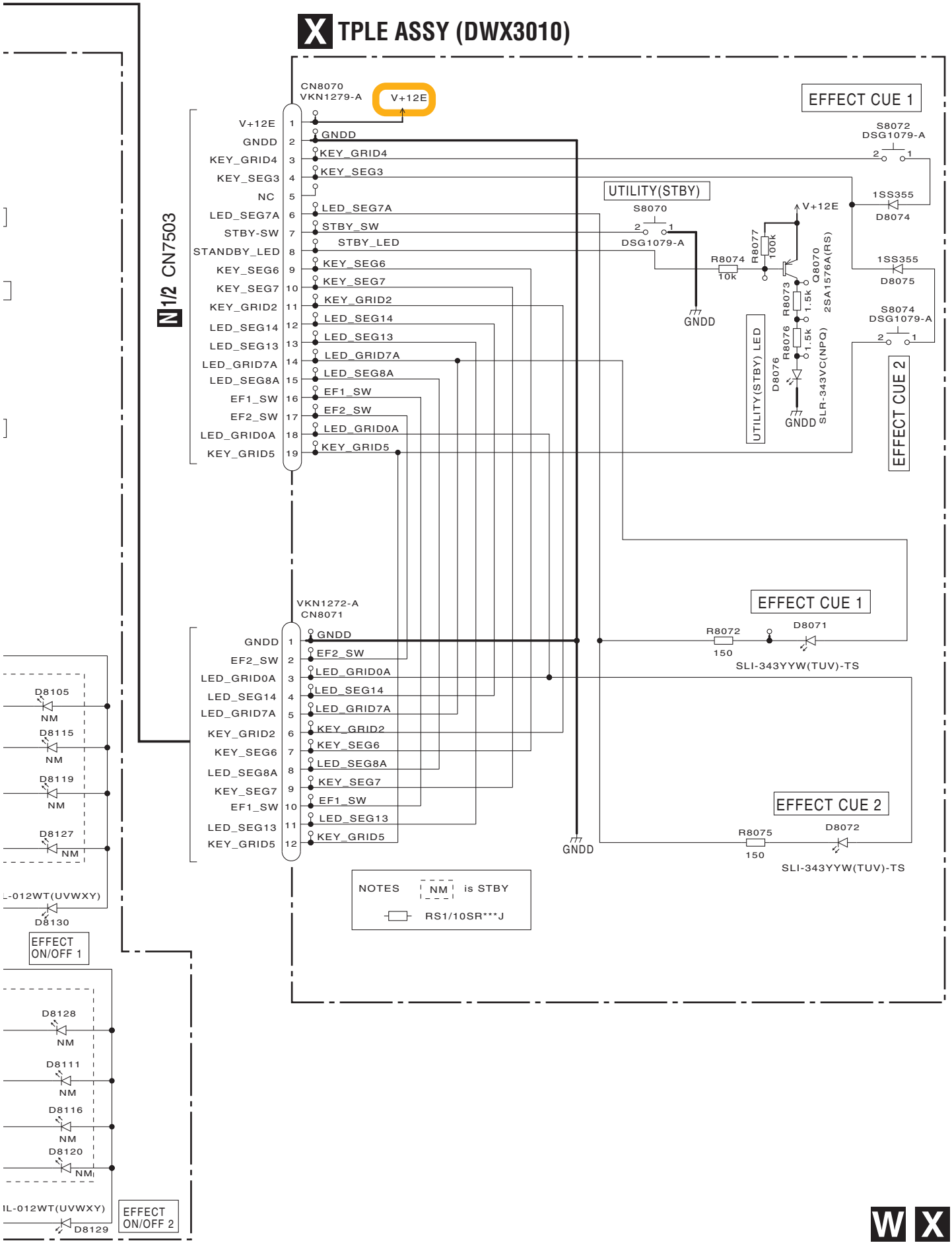
⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

TFT LCD/TOUCH PANEL

10.27 TPRI and TPLE ASSYS

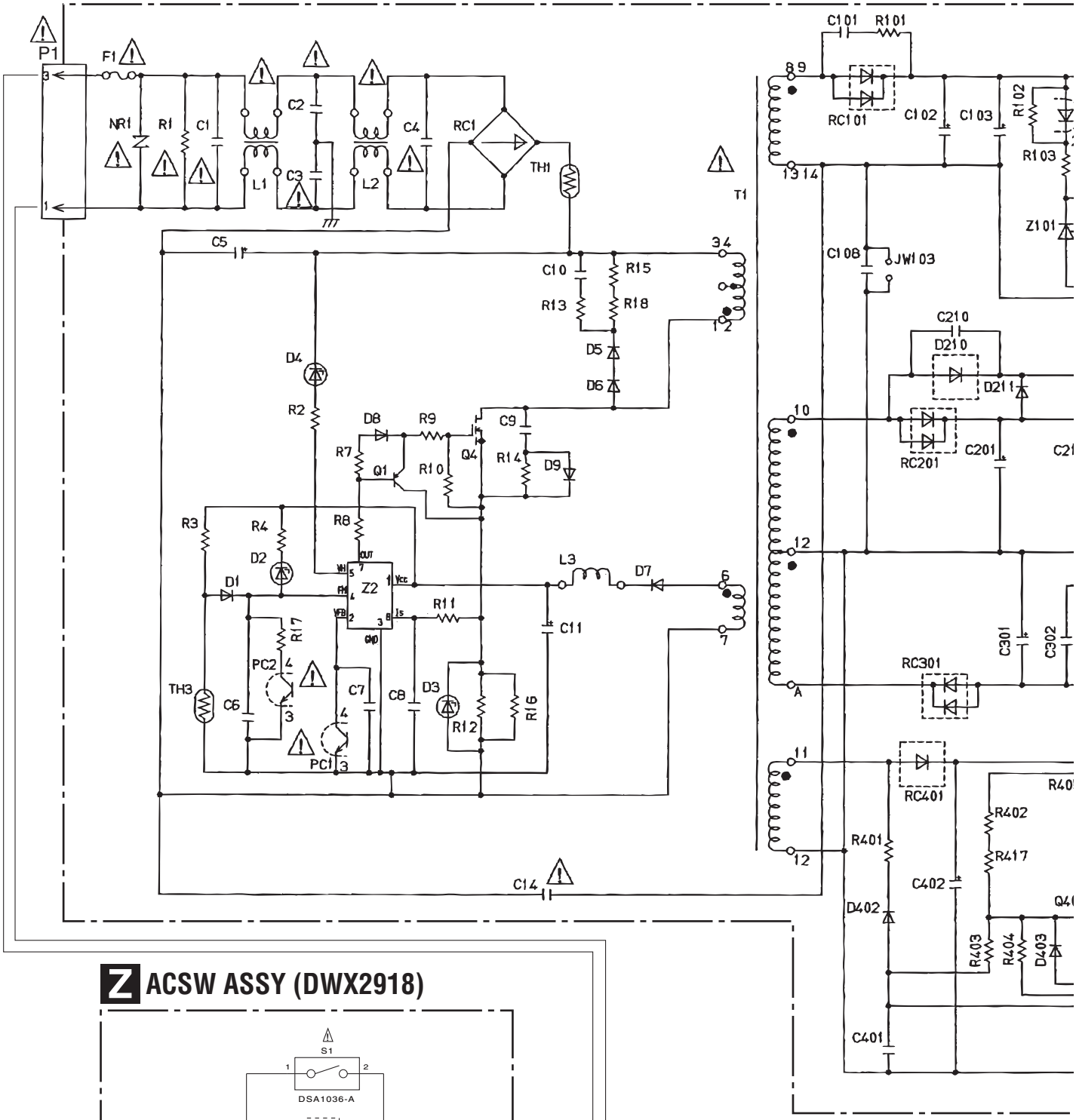


X TPLE ASSY (DWX3010)

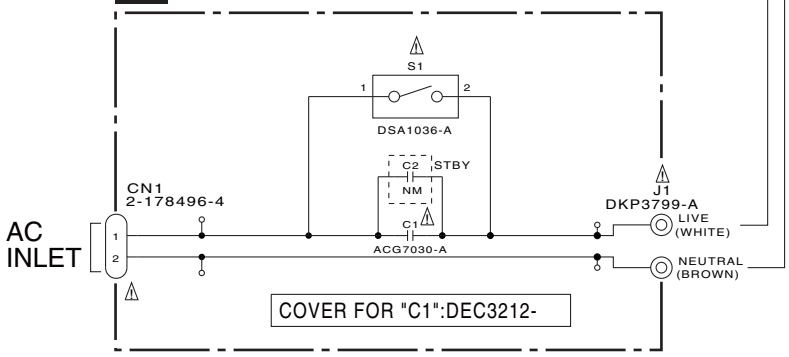


10.28 POWER SUPPLY and ACSW ASSYS

Y POWER SUPPLY ASSY (DWR1473 or DWR1492)

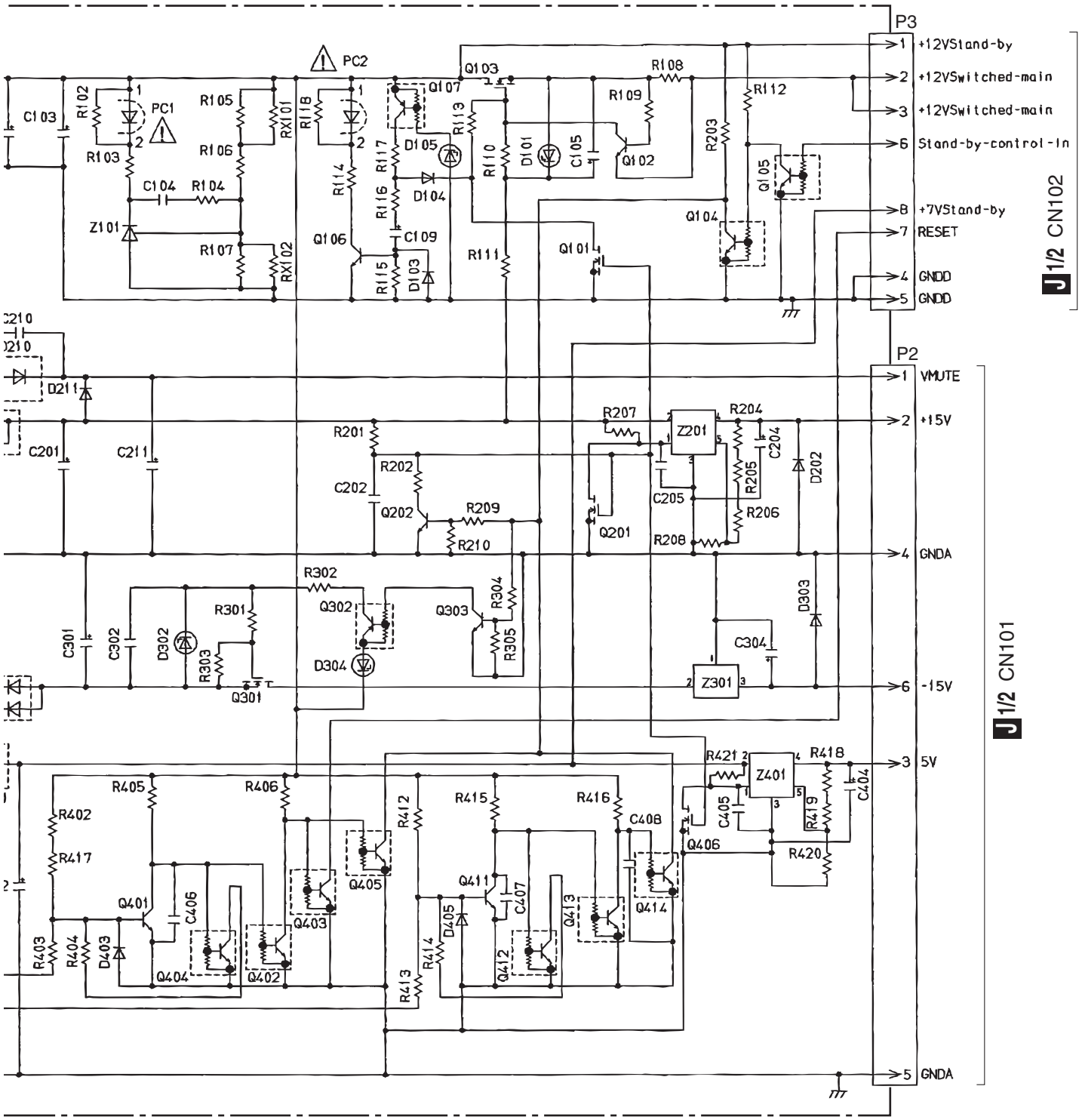


Z ACSW ASSY (DWX2918)



• NOTE
CAU

Y Z



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

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

• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

10.29 VOLTAGES

■ Measurement Conditoion

INPUT TERMINAL	CD/LINE/PHONO	OPEN
	DIGITAL	OPEN
	USB	OPEN
	MIC	OPEN
	RETURN	OPEN
	LAN	OPEN
	CONTROL	OPEN
OUTPUT TERMINAL	MIDI	OPEN
	MASTER1/2	OPEN
	REC OUT	OPEN
	BOOTH	OPEN
	SEND	OPEN
	HP	OPEN
MIC	MIC LEVEL	MAX
	MIC EQ HI	CENTER
	MIC EQ LOW	CENTER
	MIC SW	OFF
FADER START		ALL CH OFF
HP	MONO/ST SW	ST
	MIXING	CENTER
	HP LEVEL	MAX
CH	INPUT SELECT	CD
	DIGI/ANA SW	CD
	TRIM	MAX
	EQ HI	CENTER
	EQ MID	CENTER
	EQ LOW	CENTER
	FILTER	MAX
	FADER	ALL CH MAX
	FADER CURVE	RIGHT SIDE(LINEAR)
	CROSS FADER ASSIGN	ALL CH THRU
CROSS FADER	CROSS FADER	CENTER
	CROSS FADER CURVE	CENTER
MASTER	MASTER ATT	0 dB
	LEVEL	MAX
	BALANCE	CENTER
	MONO/ST SW	ST
BOOTH MONITOR	LEVEL	MAX
INST FX		OFF(LIGHTING)
	PARAMETER	CENTER
BEAT EFFECT	CH SELECT	M
	EFFECT SELECT	DELAY
	EFFECT FREQUENCY	ALL CENTER
	BEAT BUTTONS	1/1(BLINKING)
	LEVEL/DEPTH	CENTER
	ON/OFF	OFF(LIGTING)
TOUCH PANEL EFFECT	MIDI	OFF
	MIX	ON
	REMIX	OFF
	ON/OFF	OFF
	DISPLAY	DEFAULT
CUE BUTTONS		ALL OFF
MIDI ON/OFF		OFF
CLUB SET UP		Factory setting

■ VOLTAGES

A AIN1 ASSY

IC3002 (TC74VHC74FTS1)

Pin Name	Pin No.	Voltage[V]
1CLK#	1	3.42
1D	2	3.42
1CK	3	1.70
1PR#	4	3.41
1Q	5	3.41
1Q#	6	0.00
GND	7	0.00
2Q#	8	0.00
2Q	9	3.41
2PR#	10	3.41
2CK	11	1.70
2D	12	3.41
2CLR#	13	3.41
VCC	14	3.41

IC3003 (CS5381-KZ)
CH1 ADC

Pin Name	Pin No.	Voltage[V]
RST#	1	3.41
M/S#	2	0.00
LRCK	3	1.70
SCLK	4	1.69
MCLK	5	1.70
VD	6	4.75
GND1	7	0.00
VL	8	3.41
SDOUT	9	1.18-1.53
MDIV	10	3.40
HPF#	11	0.00
I2S/LJ#	12	0.00
M0	13	3.40
M1	14	0.00
OVFL#	15	0.03
AINL+	16	2.47
AINL-	17	2.47
GND2	18	0.00
VA	19	4.90
AINR-	20	2.48
AINR+	21	2.48
VQ	22	2.46
REFGND	23	0.00
FILT+	24	4.89

IC3302 (CS5381-KZ)
CH2 ADC

Pin Name	Pin No.	Voltage[V]
RST#	1	3.41
M/S#	2	0.00
LRCK	3	1.70
SCLK	4	1.70
MCLK	5	1.71
VD	6	4.77
GND1	7	0.00
VL	8	3.41
SDOUT	9	1.02-1.63
MDIV	10	3.41
HPF#	11	0.00
I2S/LJ#	12	0.00
M0	13	3.41
M1	14	0.00
OVFL#	15	0.05
AINL+	16	2.47
AINL-	17	2.47
GND2	18	0.00
VA	19	4.90
AINR-	20	2.48
AINR+	21	2.48
VQ	22	2.46
REFGND	23	0.00
FILT+	24	4.90

IC4901 (AK5358AET)
MIC ADC

Pin Name	Pin No.	Voltage[V]
AINR	1	2.43
AINL	2	2.44
CKS1	3	0.00
VCOM	4	2.43
AGND	5	0.00
VA	6	4.89
VD	7	3.65
DGND	8	0.00
SDTO	9	1.03-1.58
LRCK	10	1.71
MCLK	11	1.71
SCLK	12	1.70
PDN	13	3.42
DIF	14	0.00
CKS2	15	0.00
CKS0	16	0.00

G AIN2 ASSY

IC3602 (CS5381-KZ)
CH3 ADC

Pin Name	Pin No.	Voltage[V]
RST#	1	3.41
M/S#	2	0.00
LRCK	3	1.71
SCLK	4	1.70
MCLK	5	1.71
VD	6	4.77
GND1	7	0.00
VL	8	3.41
SDOUT	9	1.12-1.60
MDIV	10	3.41
HPF#	11	0.00
I2S/LJ#	12	0.00
M0	13	3.41
M1	14	0.00
OVFL#	15	0.05
AINL+	16	2.48
AINL-	17	2.49
GND2	18	0.00
VA	19	4.91
AINR-	20	2.48
AINR+	21	2.48
VQ	22	2.47
REFGND	23	0.00
FILT+	24	4.90

IC3903 (CS5381-KZ)
CH4 ADC

Pin Name	Pin No.	Voltage[V]
RST#	1	3.41
M/S#	2	0.00
LRCK	3	1.71
SCLK	4	1.70
MCLK	5	1.71
VD	6	4.78
GND1	7	0.00
VL	8	3.41
SDOUT	9	1.04-1.77
MDIV	10	3.41
HPF#	11	0.00
I2S/LJ#	12	0.00
M0	13	3.41
M1	14	0.00
OVFL#	15	0.04
AINL+	16	2.48
AINL-	17	2.48
GND2	18	0.00
VA	19	4.91
AINR-	20	2.47
AINR+	21	2.48
VQ	22	2.47
REFGND	23	0.00
FILT+	24	4.91

IC3902 (TC74VHC74FTS1)

Pin Name	Pin No.	Voltage[V]
1CLK#	1	3.41
1D	2	3.42
1CK	3	1.71
1PR#	4	3.41
1Q	5	3.41
1Q#	6	0.00
GND	7	0.00
2Q#	8	0.00
2Q	9	3.41
2PR#	10	3.41
2CK	11	1.71
2D	12	3.41
2CLR#	13	3.41
VCC	14	3.41

H PCIF ASSY

IC2003(S-24CS64A0I)
EEPROM

Pin Name	Pin No.	Voltage[V]
A0	1	0.00
A1	2	0.00
A2	3	0.00
GND	4	0.00
SDA	5	3.40
SCL	6	3.40
WP	7	0.00
VCC	8	3.40

IC2019(PQ200WNA1ZPH)
ETHER

Pin Name	Pin No.	Voltage[V]
VIN	1	4.93
VC	2	4.94
VO	3	3.21
VADJ	4	2.64
GND	5	0.00

IC2002 (TUSB3200ACPAH)
TUSB IC

Pin Name	Pin No.	Voltage[V]
PLLFILO	1	2.32
AVDD	2	3.41
PWMO	3	0.00
PLLO	4	0.00
DVSS1	5	0.00
PUR	6	3.40
DP	7	3.40
DM	8	0.00
DVDD1	9	3.40
MRESET#	10	3.30
TEST	11	0.00
EXTEN	12	0.00
RSTO#	13	3.40
P3.0/MCUA8	14	3.17
P3.1/MCUA9	15	3.39
DVSS2	16	0.00
XINT#	17	3.41
P3.3/MCUA10	18	3.40
P3.4/MCUALE	19	3.40
P3.5/MCUINTO#	20	3.40
DVDD2	21	3.41
NOT_USED /MCUWR#	22	0.00
PLLOEN /MCURD#	23	0.00
P1.0/MCUAD0	24	3.40
P1.1/MCUAD1	25	3.40
P1.2/MCUAD2	26	3.40
DVDDS1	27	4.94
P1.3/MCUAD3	28	3.40
P1.4/MCUAD4	29	0.01
P1.5/MCUAD5	30	0.03
P1.6/MCUAD6	31	3.40
P1.7/MCUAD7	32	3.40
DVSS3	33	0.00
CSCLK	34	0.00
CSYNC	35	0.00
CDATO	36	0.00
DVDD3	37	3.41
CDATI	38	0.00
CRESET#	39	0.00
CSCHNE	40	0.00
SDA	41	3.41
SCL	42	3.40
DVDDS2	43	4.94
MCLKO	44	1.87
MCLKO2	45	0.00
DVSS4	46	0.00
MCLKI	47	0.00
MCLKI2	48	0.00
AVSS	49	0.00
XTALO	50	1.54
XTALI	51	1.59
PLLFILI	52	0.01

H PCIF ASSY

IC2009 (RTL8201CP-LF)
ETHER

Pin Name	Pin No.	Voltage[V]
COL	1	0.01
TXEN	2	0.00
TXD3	3	0.01
TXD2	4	0.01
TXD1	5	0.01
TXD0	6	0.01
TXC	7	1.71
PWFBIN	8	1.82
LDE0/PHYAD0	9	3.40
LED1/PHYAD1	10	0.00
DGND1	11	0.00
LED2/PHYAD2	12	3.40
LED3/PHYAD3	13	0.00
DVDD33_1	14	3.40
LED4/PHYAD4	15	0.00
RXC	16	1.71
DGND2	17	0.00
RXD3	18	0.00
RXD2	19	0.00
RXD1	20	0.00
RXD0	21	0.00
RXDV	22	0.00
CRS	23	0.00
RXER/FXEN	24	0.00
MDC	25	1.61
MDIO	26	2.74
NC	27	1.81
RTSET	28	0.82
AGND1	29	0.00
TPRX-	30	1.82
TPRX+	31	1.82
PWFBOUT	32	1.82
TPTX-	33	1.82
TPTX+	34	1.82
AGND2	35	0.00
AVDD33	36	3.41
ANE	37	3.41
DUPLEX	38	3.41
SPEED	39	3.41
RPTR	40	0.00
LDPS	41	3.41
RESETB	42	3.41
ISOLATE	43	0.00
MII/SNIB/RTT3	44	3.41
DGND3	45	0.00
X1	46	0.18-3.55
X2	47	0.02-1.35
DVDD33_2	48	3.41

IC2010 (PSB6970HL-K)
ETHER

Pin Name	Pin No.	Voltage[V]
RTX	1	1.21
VDD1A	2	1.51
VDD3A	3	3.18
TXP_0	4	1.83
TXN_0	5	1.83
RXP_0	6	1.83
RXN_0	7	1.83
RXN_1	8	1.83
RXP_1	9	1.83
TXN_1	10	1.83
TXP_1	11	1.83
TXP_2	12	1.83
TXN_2	13	1.83
RXP_2	14	1.83
RXN_2	15	1.83
RXP_3	16	1.83
RXN_3	17	1.83
TXP_3	18	1.83
TXN_3	19	1.83
TXP_4	20	1.83
TXN_4	21	1.83
RXP_4	22	1.83
RXN_4	23	1.83
VDD3A	24	3.20
VDD1A	25	1.51
VCC3O1	26	3.21
CKO25M	27	1.31
LDSPD_0	28	0.00
DUPCOL0	29	0.00
LNKACT_0	30	0.00
LDSPD_1	31	0.00
DUPCOL1	32	0.00
LNKACT_1	33	0.00
VCCIK1	34	1.50
LDSPD_2	35	0.00
DUPCOL2	36	0.00
LNKACT_2	37	3.21
LDSPD_3	38	0.10
DUPCOL3	39	0.50
LNKACT_3	40	0.00
LDSPD_4	41	0.00
DUPCOL4	42	3.21
LNKACT_4	43	0.00
EDO	44	3.19
EDI	45	3.19
VCCIK2	46	1.50
EESK	47	0.00
EECS	48	0.00
INT_N	49	3.21
VCC3O2	50	3.21
VCC3O3	51	3.21
VCCIK3	52	1.50
MII_P5TXEN	53	0.00
MII_P5TXD0	54	0.00
MII_P5TXD1	55	0.00
MII_P5TXD2	56	0.00
MII_P5TXD3	57	0.00
NC	58	0.00
MII_P5TXCLK	59	1.71
VCC3O4	60	3.21
MII_P5RXCLK	61	1.71
MII_P5RXD0	62	0.00
MII_P5RXD1	63	0.00
MII_P5RXD2	64	0.00
MII_P5RXD3	65	0.00
MII_P5RXER	66	0.00
MII_P5RXDV	67	0.00
MII_P5COL	68	0.00
MII_P5CRS	69	0.00
TEST	70	0.00
MDIO	71	2.73
MDC	72	1.61
VCCIK4	73	1.50
RESETL	74	3.41
MII_P6TXEN	75	0.00
VCC3O5	76	3.21
MII_P6TXD0	77	0.00
MII_P6TXD1	78	0.00
MII_P6TXD2	79	0.00
MII_P6TXD3	80	0.00
NC	81	0.00
MII_P6TXCLK	82	1.65
MII_P6RXCLK	83	1.82
MII_P6RXD0	84	0.00
MII_P6RXD1	85	0.00
MII_P6RXD2	86	0.00
MII_P6RXD3	87	0.00
VCC3O6	88	3.21
MII_P6RXER	89	0.00
MII_P6RXDV	90	0.00
MII_P6COL	91	0.00
MII_P6CRS	92	0.00
XI	93	1.65
XO	94	0.04
VCCIK5	95	1.51
VDDPL	96	1.43
VCTRL15	97	2.58
VCTRL18	98	2.70
VFB18	99	1.78
VREF	100	1.21

I MAIN ASSY

IC1912 (AK4114VQ)
DOUT DIT

Pin Name	Pin No.	Voltage[V]
IPS0/RX4	1	1.68
NC(AVSS)	2	0.00
DIF0/RX5	3	1.69
TEST2	4	0.00
DIF1/RX6	5	1.68
NC(AVSS)	6	0.00
DIF2/RX7	7	1.68
IPS1/IIC	8	0.00
P/SN	9	0.00
XTL0	10	0.00
XTL1	11	3.42
VIN	12	0.00
TVDD	13	3.42
NC	14	0.00
TX0	15	0.00
TX1	16	1.76
BOUT	17	0.00
COUT	18	0.00
UOUT	19	1.78
VOUT	20	0.00
DVDD	21	3.42
DVSS	22	0.00
MCKO1	23	1.98
LRCK	24	1.71
SDTO	25	1.09-1.54
BICK	26	1.69
MCKO2	27	2.32
DAUX	28	1.20-1.39
XTO	29	1.50
XTI	30	1.75
PDN	31	3.42
CM0/CDTO/CAD1	32	0.00
CM1/CDTI/SDA	33	0.04
OCKS1/CCLK/SCL	34	3.24
OCKS0/CSN/CAD0	35	3.00-3.11
INT0	36	0.00
INT1	37	0.00
AVDD	38	3.42
R	39	1.20
VCOM	40	1.20
AVSS	41	0.00
RX0	42	1.69
NC(AVSS)	43	0.00
RX1	44	1.68
TEST1	45	0.00
RX2	46	1.68
NC(AVSS)	47	0.00
RX3	48	1.68

IC1001 (BA338C0WFP)
12V → 3.3V(EuP)

Pin Name	Pin No.	Voltage[V]
CTL	1	11.98
VCC	2	11.98
GND	3	0.00
OUT	4	3.30
NC	5	0.00

IC1004 (BD9326EFJ)
12V → 5V

Pin Name	Pin No.	Voltage[V]
BST	1	10.63
VIN	2	11.93
SW	3	5.08
GND	4	0.00
FB	5	0.90
COMP	6	1.16
EN	7	4.98
SS	8	2.46

IC1002 (S-1170B25UC-OTK)
3.3V → 2.5V

Pin Name	Pin No.	Voltage[V]
ON/OFF	1	3.42
VSS	2	0.00
NC	3	0.00
VIN	4	3.42
VOUT	5	2.49

IC1003 (BD9326EFJ)
12V → 3.3V

Pin Name	Pin No.	Voltage[V]
BST	1	9.07
VIN	2	11.92
SW	3	3.48
GND	4	0.00
FB	5	0.90
COMP	6	1.12
EN	7	4.97
SS	8	2.44

IC1005 (BD9326EFJ)
12V → 1.2V

Pin Name	Pin No.	Voltage[V]
BST	1	6.96
VIN	2	11.94
SW	3	5.08
GND	4	0.00
FB	5	0.90
COMP	6	1.04
EN	7	4.96
SS	8	2.43

IC1115 (TC74HC4052AFT)
MULTIPLEXER

Pin Name	Pin No.	Voltage[V]
0Y	1	3.38
2Y	2	3.38
Y-COM	3	3.37
3Y	4	3.38
1Y	5	3.38
INH	6	0.00
VEE	7	0.00
GND	8	0.00
B	9	1.65
A	10	1.65
3X	11	3.38
0X	12	3.38
X-COM	13	2.95
1X	14	3.38
2X	15	1.69
VCC	16	3.38

I MAIN ASSY

IC1813 (CS8421-CZ)
CH2 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.55
XTI	2	1.75
CD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.38-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1815 (CS8421-CZ)
CH3 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.56
XTI	2	1.75
VD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.37-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1908 (CS8421-CZ)
USB OUT SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.56
XTI	2	1.74
VD	3	2.48
GND	4	0.00
RST#	5	0.00
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	1.61-1.72
MCLK_OUT	10	2.96
TDM_IN	11	0.00
SDOUT	12	0.00
OSCLK	13	1.70
OLRCK	14	1.70
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	3.41

IC1817 (CS8421-CZ)
CH4 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.56
XTI	2	1.73
VD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.38-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1910 (CS8421-CZ)
LAN OUT SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.66
XTI	2	1.76
VD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	0.85
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1907 (CS8421-CZ)
DOUT SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.55
XTI	2	1.75
VD	3	2.48
GND	4	0.00
RST#	5	3.29
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.70
SDIN	9	1.62-1.84
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.19-1.32
OSCLK	13	1.67
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1911 (CS8421-CZ)
BROWSE SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.56
XTI	2	1.76
VD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.72
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.92-1.93
OSCLK	13	1.70
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1811 (CS8421-CZ)
CH1 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.57
XTI	2	1.74
CD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.38-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1813 (CS8421-CZ)
CH2 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.55
XTI	2	1.75
CD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.38-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1302 (D610A003BPYPA225)
DSP1

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
1	0.01-3.42	71	2.56	141	3.42
2	3.42	72	3.42	142	0.00
3	1.21	73	0.00	143	1.32-1.45
4	0.00	74	2.56	144	1.32-1.42
5	3.42	75	3.37	145	1.34-1.43
6	3.42	76	1.34	146	1.31-1.39
7	0.00	77	1.74	147	1.92-1.93
8	0.00	78	1.31	148	0.00
9	3.42	79	3.36	149	1.20
10	0.00	80	1.20	150	1.24-1.28
11	1.21	81	0.00	151	3.38
12	1.76	82	0.00	152	3.37
13	0.00	83	3.01	153	1.74
14	1.21	84	3.42	154	0.00
15	0.00	85	0.00	155	1.72
16	1.73	86	0.01	156	3.42
17	0.00	87	3.42	157	1.21
18	0.00	88	0.00	158	0.00
19	1.73	89	1.20	159	1.75
20	0.00	90	2.62	160	3.42
21	1.72	91	1.20	161	1.75
22	1.21	92	0.01	162	3.42
23	0.00	93	0.01	163	0.00
24	1.72	94	0.01	164	3.41
25	3.42	95	0.01	165	3.41
26	0.00	96	1.20	166	3.41
27	0.00	97	0.00	167	3.41
28	1.76	98	3.42	168	3.41
29	1.21	99	0.01	169	1.21
30	0.00	100	0.01	170	0.00
31	0.00	101	0.01	171	1.21
32	0.00	102	3.40	172	3.42
33	0.00	103	3.42	173	0.00
34	0.00	104	1.20	174	3.42
35	1.21	105	1.21	175	0.00
36	0.00	106	0.00	176	3.42
37	0.00	107	3.42	177	1.21
38	0.00	108	2.56	178	0.00
39	0.00	109	0.00	179	0.02
40	1.21	110	2.55	180	0.00
41	0.00	111	2.98	181	1.21
42	0.00	112	2.74-2.75	182	0.00
43	1.21	113	2.57-2.57	183	3.42
44	3.42	114	3.42	184	0.01
45	0.00	115	0.00	185	3.42
46	1.20	116	1.21	186	3.42
47	3.42	117	2.54-2.55	187	3.42
48	0.00	118	2.97-2.99	188	3.42
49	0.00	119	2.75-2.76	189	0.00
50	1.21	120	2.95-2.97	190	1.21
51	1.21	121	2.75-2.75	191	3.42
52	0.00	122	0.45-0.47	192	3.42
53	1.03	123	2.75-2.78	193	3.42
54	0.00	124	1.20	194	0.00
55	3.42	125	0.00	195	1.20
56	3.42	126	3.42	196	1.20
57	2.64	127	0.37-0.40	197	0.00
58	3.42	128	2.75-2.77	198	3.41
59	0.00	129	0.45-0.48	199	0.00
60	1.21	130	2.76-2.79	200	0.01
61	3.39	131	2.74-2.79	201	1.21
62	0.41	132	2.92-2.95	202	3.42
63	2.57	133	1.20	203	0.00
64	3.34	134	0.00	204	1.76
65	3.42	135	3.42	205	3.42
66	0.00	136	0.91	206	3.42
67	1.20	137	3.41	207	0.00
68	2.58	138	3.42	208	1.20
69	2.55	139	1.72		
70	2.56	140	1.73		

MAIN ASSY

IC1451 (D610A003BPYPA225)
DSP2

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
1	0.01-3.15	71	3.36	141	3.42
2	3.42	72	3.42	142	0.00
3	1.21	73	0.00	143	2.58
4	0.00	74	3.36	144	3.34
5	3.42	75	3.42	145	2.64
6	3.42	76	1.97	146	2.56
7	3.42	77	1.78	147	2.84
8	0.00	78	1.75	148	0.00
9	3.42	79	3.41	149	1.22
10	0.00	80	1.22	150	3.03
11	1.22	81	0.00	151	3.37
12	1.77	82	0.00	152	2.76
13	0.00	83	3.41	153	3.41
14	1.21	84	3.42	154	0.44
15	0.00	85	0.00	155	2.76
16	1.74	86	0.01	156	0.38
17	0.00	87	3.42	157	0.38
18	0.00	88	0.00	158	0.00
19	1.74	89	1.22	159	2.73
20	0.00	90	0.00	160	2.75
21	1.71	91	0.01	161	2.73
22	1.20	92	0.01	162	3.42
23	0.00	93	0.01	163	0.00
24	1.71	94	0.54	164	2.77
25	3.42	95	0.01	165	2.76
26	0.00	96	1.22	166	2.96
27	0.00	97	0.00	167	2.53
28	1.81	98	3.42	168	2.97
29	1.22	99	0.01	169	1.22
30	0.00	100	0.01	170	0.00
31	0.00	101	0.01	171	1.22
32	0.00	102	3.42	172	2.97
33	0.00	103	3.42	173	2.56
34	0.00	104	1.22	174	2.75
35	1.21	105	1.22	175	0.00
36	0.00	106	0.00	176	0.00
37	0.00	107	3.42	177	1.22
38	1.32-1.42	108	3.38	178	0.00
39	0.00	109	3.37	179	0.03
40	1.22	110	3.37	180	0.00
41	0.00	111	3.31	181	1.22
42	0.00	112	3.28	182	0.00
43	1.22	113	3.31	183	3.42
44	3.42	114	3.42	184	0.01
45	0.00	115	0.00	185	3.42
46	1.22	116	1.22	186	3.42
47	3.42	117	3.31	187	3.42
48	0.00	118	3.31	188	3.42
49	0.00	119	3.32	189	0.00
50	1.22	120	3.31	190	1.22
51	1.22	121	3.31	191	3.42
52	0.00	122	3.31	192	3.42
53	1.22	123	3.31	193	0.00
54	0.00	124	1.22	194	0.00
55	3.42	125	0.00	195	1.22
56	3.42	126	3.42	196	1.22
57	3.42	127	3.31	197	0.00
58	3.42	128	3.31	198	3.41
59	0.00	129	3.31	199	0.00
60	1.21	130	3.31	200	0.00
61	3.41	131	3.31	201	1.22
62	0.34	132	3.31	202	3.42
63	3.13	133	1.22	203	0.00
64	3.37	134	0.00	204	1.80
65	3.42	135	3.41	205	3.42
66	0.00	136	0.00	206	3.42
67	1.22	137	3.41	207	0.00
68	3.36	138	3.42	208	1.22
69	3.36	139	0.42		
70	3.36	140	0.01		

IC1801 (DIR9001PW)
CH1 DIR

Pin Name	Pin No.	Voltage[V]
AUDIO#	1	0.00
FSOUT0	2	0.00
FSOUT1	3	0.00
SCKO	4	1.71
VDD	5	3.42
DGND	6	0.00
XTO	7	3.42
XTI	8	0.00
CLKST	9	0.00
LRCKO	10	1.71
BCKO	11	1.71
DOUT	12	0.00
PSCK0	13	0.00
PSCK1	14	0.00
COUT	15	0.00
UOUT	16	0.00
EMPH	17	0.00
BFRAME	18	0.00
RSV	19	0.00
RXIN	20	0.00
RST#	21	3.42
FILT	22	0.00
AGND	23	0.00
VCC	24	3.42
FMT0	25	0.00
FMT1	26	3.42
ERROR	27	3.42
CKSEL	28	0.00

IC1802 (DIR9001PW)
CH2 DIR

Pin Name	Pin No.	Voltage[V]
AUDIO#	1	0.00
FSOUT0	2	0.00
FSOUT1	3	0.00
SCKO	4	1.71
VDD	5	3.42
DGND	6	0.00
XTO	7	3.42
XTI	8	0.00
CLKST	9	0.00
LRCKO	10	1.71
BCKO	11	1.71
DOUT	12	0.00
PSCK0	13	0.00
PSCK1	14	0.00
COUT	15	0.00
UOUT	16	0.00
EMPH	17	0.00
BFRAME	18	0.00
RSV	19	0.00
RXIN	20	0.00
RST#	21	3.42
FILT	22	0.00
AGND	23	0.00
VCC	24	3.42
FMT0	25	0.00
FMT1	26	3.42
ERROR	27	3.42
CKSEL	28	0.00

IC1803 (DIR9001PW)
CH3 DIR

Pin Name	Pin No.	Voltage[V]
AUDIO#	1	0.00
FSOUT0	2	0.00
FSOUT1	3	0.00
SCKO	4	1.71
VDD	5	3.42
DGND	6	0.00
XTO	7	3.42
XTI	8	0.00
CLKST	9	0.00
LRCKO	10	1.71
BCKO	11	1.71
DOUT	12	0.00
PSCK0	13	0.00
PSCK1	14	0.00
COUT	15	0.00
UOUT	16	0.00
EMPH	17	0.00
BFRAME	18	0.00
RSV	19	0.00
RXIN	20	0.00
RST#	21	3.42
FILT	22	0.00
AGND	23	0.00
VCC	24	3.42
FMT0	25	0.00
FMT1	26	3.42
ERROR	27	3.42
CKSEL	28	0.00

IC1804 (DIR9001PW)
CH4 DIR

Pin Name	Pin No.	Voltage[V]
AUDIO#	1	0.00
FSOUT0	2	0.00
FSOUT1	3	0.00
SCKO	4	1.71
VDD	5	3.42
DGND	6	0.00
XTO	7	3.42
XTI	8	0.00
CLKST	9	0.00
LRCKO	10	1.71
BCKO	11	1.71
DOUT	12	0.00
PSCK0	13	0.00
PSCK1	14	0.00
COUT	15	0.00
UOUT	16	0.00
EMPH	17	0.00
BFRAME	18	0.00
RSV	19	0.00
RXIN	20	0.00
RST#	21	3.42
FILT	22	0.00
AGND	23	0.00
VCC	24	3.42
FMT0	25	0.00
FMT1	26	3.42
ERROR	27	3.42
CKSEL	28	0.00

IC1303 (K4S281632K-UC75)
SDRAM1

Pin Name	Pin No.	Voltage[V]
VDD1	1	3.42
DQ0	2	2.91-2.95
VDDQ1	3	3.42
DQ1	4	2.71-2.80
DQ2	5	2.75-2.80
VSSQ1	6	0.00
DQ3	7	0.45
DQ4	8	0.37-0.40
VDDQ2	9	3.42
DQ5	10	2.74-2.78
DQ6	11	2.72-2.76
VSSQ2	12	0.00
DQ7	13	2.76-2.79
VDD2	14	3.42
LDQM	15	2.55
WE#	16	3.01
CAS#	17	3.36
RAS#	18	3.37
CS#	19	3.39
BA0	20	2.61
BA1	21	0.01
A10/AP	22	0.01
A0	23	0.41
A1	24	2.57
A2	25	3.34
A3	26	2.58
VDD3	27	3.42
VSS1	28	0.00
A4	29	2.56
A5	30	2.56
A6	31	2.56
A7	32	2.55
A8	33	1.31
A9	34	0.01
A11	35	0.01
N.C	36	0.00
CKE	37	3.42
CLK	38	1.74
UDQM	39	2.56
N.C/RFU	40	0.00
VSS2	41	0.00
DQ8	42	2.73-2.77
VDDQ3	43	3.42
DQ9	44	2.76-2.80
DQ10	45	2.95-2.98
VSSQ3	46	0.00
DQ11	47	2.52-2.56
DQ12	48	2.97-2.98
VDDQ4	49	3.42
DQ13	50	2.95-2.99
DQ14	51	2.55-2.59
VSSQ4	52	0.00
DQ15	53	2.72-2.76
VSS3	54	0.00

I MAIN ASSY

IC1452 (K4S281632K-UC75)
SDRAM2

Pin Name	Pin No.	Voltage[V]
VDD1	1	3.42
DQ0	2	3.38
VDDQ1	3	3.38
DQ1	4	3.39
DQ2	5	3.38
VSSQ1	6	0.00
DQ3	7	3.37
DQ4	8	3.37
VDDQ2	9	3.42
DQ5	10	3.36
DQ6	11	3.36
VSSQ2	12	0.00
DQ7	13	3.36
VDD2	14	3.42
LDQM	15	3.37
WE#	16	3.41
CAS#	17	3.40
RAS#	18	3.41
CS#	19	3.40
BA0	20	3.15
BA1	21	0.74
A10/AP	22	0.01
A0	23	0.50
A1	24	3.11
A2	25	3.36
A3	26	3.36
VDD3	27	3.42
VSS1	28	0.00
A4	29	3.36
A5	30	3.36
A6	31	3.36
A7	32	3.35
A8	33	1.95
A9	34	0.01
A11	35	0.01
N.C	36	0.00
CKE	37	3.41
CLK	38	1.76
UDQM	39	3.37
N.C/RFU	40	0.00
VSS2	41	0.00
DQ8	42	3.37
VDDQ3	43	3.42
DQ9	44	3.39
DQ10	45	3.41
VSSQ3	46	0.00
DQ11	47	3.35
DQ12	48	3.41
VDDQ4	49	3.42
DQ13	50	3.41
DQ14	51	3.35
VSSQ4	52	0.00
DQ15	53	3.34-3.36
VSS3	54	0.00

IC1701 (K4S281632K-UC75)
SDRAM3L

Pin Name	Pin No.	Voltage[V]
VDD1	1	3.42
DQ0	2	3.25
VDDQ1	3	3.42
DQ1	4	3.31
DQ2	5	3.32
VSSQ1	6	0.00
DQ3	7	3.30
DQ4	8	3.30
VDDQ2	9	3.42
DQ5	10	3.09
DQ6	11	3.10
VSSQ2	12	0.00
DQ7	13	3.08
VDD2	14	3.42
LDQM	15	3.17
WE#	16	3.41
CAS#	17	3.39
RAS#	18	3.41
CS#	19	3.15
BA0	20	0.22
BA1	21	0.22
A10/AP	22	0.01
A0	23	0.01
A1	24	0.01
A2	25	0.01
A3	26	0.31
VDD3	27	3.42
VSS1	28	0.00
A4	29	0.22
A5	30	0.21
A6	31	0.22
A7	32	0.21
A8	33	0.22
A9	34	0.00
A11	35	0.01
N.C	36	0.00
CKE	37	3.42
CLK	38	1.76
UDQM	39	3.17
N.C/RFU	40	0.00
VSS2	41	0.00
DQ8	42	3.07
VDDQ3	43	3.42
DQ9	44	3.07
DQ10	45	3.06
VSSQ3	46	0.00
DQ11	47	3.32
DQ12	48	3.31
VDDQ4	49	3.42
DQ13	50	3.31
DQ14	51	3.29
VSSQ4	52	0.00
DQ15	53	3.29
VSS3	54	0.00

IC1702 (K4S281632K-UC75)
SDRAM3H

Pin Name	Pin No.	Voltage[V]
VDD1	1	3.42
DQ0	2	3.32
VDDQ1	3	3.42
DQ1	4	3.31
DQ2	5	3.32
VSSQ1	6	0.00
DQ3	7	3.30
DQ4	8	3.30
VDDQ2	9	3.42
DQ5	10	3.13
DQ6	11	3.13
VSSQ2	12	0.00
DQ7	13	3.12
VDD2	14	3.42
LDQM	15	3.18
WE#	16	3.42
CAS#	17	3.39
RAS#	18	3.41
CS#	19	3.15
BA0	20	0.22
BA1	21	0.22
A10/AP	22	0.01
A0	23	0.01
A1	24	0.01
A2	25	0.01
A3	26	0.01
VDD3	27	3.42
VSS1	28	0.00
A4	29	1.62
A5	30	1.67
A6	31	1.54
A7	32	0.07
A8	33	0.07
A9	34	0.00
A11	35	3.26
N.C	36	0.00
CKE	37	3.42
CLK	38	1.77
UDQM	39	3.30
N.C/RFU	40	0.00
VSS2	41	0.00
DQ8	42	0.00
VDDQ3	43	3.42
DQ9	44	0.01
DQ10	45	0.00
VSSQ3	46	0.00
DQ11	47	0.01
DQ12	48	0.01
VDDQ4	49	3.42
DQ13	50	0.01
DQ14	51	0.01
VSSQ4	52	0.00
DQ15	53	0.00
VSS3	54	0.00

IC1304 (MX29LV400CTTI-70G-K)
FLASH1

Pin Name	Pin No.	Voltage[V]
A15	1	0.01
A14	2	0.01
A13	3	0.01
A12	4	2.62
A11	5	0.01
A10	6	0.02
A9	7	0.01
A8	8	1.35
NC1	9	0.00
NC2	10	0.00
WE#	11	3.02
RESET#	12	3.41
NC3	13	0.00
NC4	14	0.00
RY/BY#	15	0.00
NC5	16	0.00
A17	17	0.01
A7	18	2.56
A6	19	2.55
A5	20	2.56
A4	21	2.56
A3	22	2.59
A2	23	3.34
A1	24	2.57
A0	25	0.42
CE#	26	3.42
GND1	27	0.00
OE#	28	3.36
Q0	29	2.91-2.95
Q8	30	2.74-2.76
Q1	31	2.73-2.83
Q9	32	2.78-2.80
Q2	33	2.74-2.81
Q10	34	2.96-2.98
Q3	35	0.44-0.48
Q11	36	2.52-2.58
VCC	37	3.42
Q4	38	0.37-0.40
Q12	39	2.96-2.99
Q5	40	2.74-2.79
Q13	41	2.96-2.99
Q6	42	2.74-2.75
Q14	43	2.56-2.58
Q7	44	2.76-2.80
Q15/A-1	45	2.72-2.76
GND2	46	0.00
BYTE#	47	3.42
A16	48	0.01

IC1703 (S29GL064N90TFI030)
FLASH3

Pin Name	Pin No.	Voltage[V]
A15	1	0.00
A14	2	0.00
A13	3	0.07
A12	4	0.07
A11	5	0.00
A10	6	3.25
A9	7	3.26
A8	8	0.00
A19	9	0.00
A20	10	0.00
WE#	11	3.42
RESET#	12	3.42
A21	13	0.00
WP#/ACC	14	3.42
RY/BY#	15	3.42
A18	16	0.00
A17	17	0.00
A7	18	0.07
A6	19	0.07
A5	20	0.07
A4	21	3.32
A3	22	3.32
A2	23	0.08
A1	24	0.00
A0	25	0.86
CE#	26	3.42
VSS1	27	0.00
OE#	28	3.37
DQ0	29	3.24
DQ8	30	3.08
DQ1	31	3.31
DQ9	32	3.08
DQ2	33	3.31
DQ10	34	3.06
DQ3	35	3.30
DQ11	36	3.32
VCC	37	3.42
DQ4	38	3.30
DQ12	39	3.31
DQ5	40	3.09
DQ13	41	3.30
DQ6	42	3.09
DQ14	43	3.29
DQ7	44	3.08
DQ15/A-1	45	3.29
VSS2	46	0.00
BYTE#	47	3.42
A16	48	0.00

MAIN ASSY

IC1201(XC3S50A-4FTG256-K)
FPGA

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	0.00	3.42	2.56	2.56	2.59	2.57	-	1.74	1.70	3.40	2.56	-	2.51	2.94	3.42	0.00
B	3.42	3.42	2.56	2.56	3.42	3.34	0.00	0.42	3.42	2.674-2.745	0.00	2.18	3.42	2.75	2.93	3.42
C	3.42	1.31	0.00	0.01	0.01	0.01	-	0.01	2.62	0.01	2.56	0.06	0.440-0.450	0.00	2.71	2.70
D	1.71	3.42	0.01	0.01	0.00	3.42	0.01	0.00	3.03	-	0.00	1.93	3.37	2.75	2.73	0.53
E	1.71	-	-	3.42	0.00	3.42	-	3.42	0.00	-	3.42	0.00	2.75	2.74	3.42	-
F	1.71	0.00	-	3.42	3.42	0.00	1.80	-	1.28	2.49	2.483-2.515	3.34	2.87	-	-	-
G	1.77	1.71	-	-	-	-	1.23	0.00	1.23	0.00	1.45	0.01	-	-	0.00	-
H	1.76	3.42	1.75	-	-	-	0.00	1.23	0.00	0.80	0.05	3.42	-	0.079-0.103	0.100-0.222	2.88
J	1.94	2.01	1.75	-	3.42	-	0.00	0.00	1.23	-	-	0.054-0.132	0.01	0.07	3.42	0.195-0.313
K	3.09	0.00	3.41	-	0.00	0.00	0.00	1.23	0.00	1.23	0.07	3.26	-	0.334-0.374	0.062-0.134	0.296-0.423
L	-	-	-	-	0.00	0.85	2.593-2.620	0.00	2.60	0.04	0.00	3.42	-	-	0.00	-
M	3.10	3.42	-	0.83	0.00	3.42	0.00	0.00	3.42	-	0.539-0.574	0.00	-	-	-	-
N	3.13	3.12	3.42	3.38	3.42	3.42	-	0.00	1.71	-	0.03	-	3.26	0.089-0.241	3.42	0.482-0.701
P	3.14	2.91	0.00	3.42	0.71	-	0.00	0.00	1.71	0.00	0.03	0.927-1.212	-	0.00	0.122-0.268	0.08
R	2.93	1.29	1.29	3.42	1.26	0.00	-	3.42	1.71	0.00	0.00	3.42	0.087-0.234	3.42	0.901-1.212	0.00
T	0.00	2.91	1.71	1.27	3.30	0.00	-	1.68	1.71	0.00	0.00	3.42	3.40	0.06	3.42	1.71

IC1201(XC3S50A-4FTG256-K)
FPGA

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
A1	0.00	C15	2.71	F13	2.87	J11	-	M9	3.42	R7	-
A2	3.42	C16	2.70	F14	-	J12	0.054-0.132	M10	-	R8	3.42
A3	2.56	D1	1.71	F15	-	J13	0.01	M11	0.539-0.574	R9	1.71
A4	2.56	D2	3.42	F16	-	J14	0.07	M12	0.00	R10	0.00
A5	2.59	D3	0.01	G1	1.77	J15	3.42	M13	-	R11	0.00
A6	2.57	D4	0.01	G2	1.71	J16	0.195-0.313	M14	-	R12	3.42
A7	-	D5	0.00	G3	-	K1	3.09	M15	-	R13	0.087-0.234
A8	1.74	D6	3.42	G4	-	K2	0.00	M16	-	R14	3.42
A9	1.70	D7	0.01	G5	-	K3	3.41	N1	3.13	R15	0.901-1.212
A10	3.40	D8	0.00	G6	-	K4	-	N2	3.12	R16	0.00
A11	2.56	D9	3.03	G7	1.23	K5	0.00	N3	3.42	T1	0.00
A12	-	D10		G8	0.00	K6	0.00	N4	3.38	T2	2.91
A13	2.51	D11	0.00	G9	1.23	K7	0.00	N5	3.42	T3	1.71
A14	2.94	D12	1.93	G10	0.00	K8	1.23	N6	3.42	T4	1.27
A15	3.42	D13	3.37	G11	1.45	K9	0.00	N7	-	T5	3.30
A16	0.00	D14	2.75	G12	0.01	K10	1.23	N8	0.00	T6	0.00
B1	3.42	D15	2.73	G13	-	K11	0.07	N9	1.71	T7	-
B2	3.42	D16	0.53	G14	-	K12	3.26	N10	-	T8	1.68
B3	2.56	E1	1.71	G15	0.00	K13	-	N11	0.03	T9	1.71
B4	2.56	E2		G16	-	K14	0.334-0.374	N12	-	T10	0.00
B5	3.42	E3	-	H1	1.76	K15	0.062-0.134	N13	3.26	T11	0.00
B6	3.34	E4	3.42	H2	3.42	K16	0.296-0.423	N14	0.089-0.241	T12	3.42
B7	0.00	E5	0.00	H3	1.75	L1	-	N15	3.42	T13	3.40
B8	0.42	E6	3.42	H4	-	L2	-	N16	0.482-0.701	T14	0.06
B9	3.42	E7		H5	-	L3	-	P1	3.14	T15	3.42
B10	2.674-2.745	E8	3.42	H6	-	L4	-	P2	2.91	T16	1.71
B11	0.00	E9	0.00	H7	0.00	L5	0.00	P3	0.00		
B12	2.18	E10		H8	1.23	L6	0.85	P4	3.42		
B13	3.42	E11	3.42	H9	0.00	L7	2.593-2.620	P5	0.71		
B14	2.75	E12	0.00	H10	0.80	L8	0.00	P6	-		
B15	2.93	E13	2.75	H11	0.05	L9	2.60	P7	0.00		
B16	3.42	E14	2.74	H12	3.42	L10	0.04	P8	0.00		
C1	3.42	E15	3.42	H13	-	L11	0.00	P9	1.71		
C2	1.31	E16		H14	0.079-0.103	L12	3.42	P10	0.00		
C3	0.00	F1	1.71	H15	0.100-0.222	L13	-	P11	0.03		
C4	0.01	F2	0.00	H16	2.88	L14	-	P12	0.927-1.212		
C5	0.01	F3		J1	1.94	L15	0.00	P13	-		
C6	0.01	F4	3.42	J2	2.01	L16	-	P14	0.00		
C7	-	F5	3.42	J3	1.75	M1	3.10	P15	0.122-0.268		
C8	0.01	F6	0.00	J4	-	M2	3.42	P16	0.08		
C9	2.62	F7	1.80	J5	3.42	M3	-	R1	2.93		
C10	0.01	F8		J6	-	M4	0.83	R2	1.29		
C11	2.56	F9	1.28	J7	0.00	M5	0.00	R3	1.29		
C12	0.06	F10	2.49	J8	0.00	M6	3.42	R4	3.42		
C13	0.440-0.450	F11	2.483-2.515	J9	1.23	M7	0.00	R5	1.26		
C14	0.00	F12	3.34	J10	-	M8	0.00	R6	0.00		

I MAIN ASSY

IC1601(R5S77641N300BG-K)
uCOM C

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
A	0.00	0.00	0.00	0.00	1.22	0.01	0.01	3.42	3.42	3.40	3.40	3.40	3.41	3.42	3.40	3.40	0.00	0.00	0.782-0.804	1.45	2.02	0.00
B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.41	3.41	3.41	3.42	3.42	3.40	3.40	3.40	3.42	0.85	3.42	0.00	1.82
C	(N.C)	0.00	3.42	0.00	0.00	0.00	0.00	0.00	0.00	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	0.04	3.42	3.40	3.42
D	0.00	0.00	0.00	3.42	0.00	0.00	0.00	0.00	0.00	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.42	3.32	3.38	2.30
E	0.00	0.00	3.42	0.00	3.42	1.22	0.00	0.00	3.42	3.42	0.00	1.22	0.00	0.00	0.00	0.00	3.42	3.42	0.21	0.22	1.80	0.05
F	0.00	0.00	3.42	3.42	3.42	-	-	-	-	-	-	-	-	-	-	-	-	3.42	0.00	0.22	2.60	2.59
G	0.00	0.00	0.00	3.42	0.00	-	-	-	-	-	-	-	-	-	-	-	-	3.42	0.00	0.01	0.00	0.00
H	1.69	0.00	0.00	3.42	3.42	-	-	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	-	-	0.00	3.10	3.11	3.12	3.13
J	0.00	1.78	1.71	0.848-0.861	3.42	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	0.00	3.31	3.09	3.30	3.30
K	0.00	0.00	1.72	3.39	0.00	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	0.00	3.30	3.31	3.30	3.32
L	0.00	0.00	1.74	3.38	0.00	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	3.42	3.29	3.29	3.31	3.32
M	3.19	0.00	0.00	3.42	3.42	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	3.42	3.30	3.30	3.18	3.18
N	1.73	1.73	0.00	3.42	3.42	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	3.42	0.00	3.30	3.09	3.10
P	0.00	3.39	3.39	0.00	0.00	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	0.00	0.00	0.00	3.10	3.30
R	3.40	3.42	3.39	0.00	1.22	-	-	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	-	-	0.00	0.00	0.00	3.30	3.32
T	3.40	3.41	3.40	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	3.31	3.32
U	3.42	3.41	0.00	0.00	3.42	-	-	-	-	-	-	-	-	-	-	-	-	3.42	0.00	0.00	0.00	0.00
V	3.42	3.42	3.42	3.42	3.42	0.00	0.00	3.42	3.42	3.42	1.22	1.22	3.42	3.42	0.00	0.00	3.42	3.42	0.01	0.00	0.00	0.00
W	0.00	0.00	3.42	3.42	3.42	3.42	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	3.42	0.00	0.00	3.42	3.42
Y	0.03	0.04	3.42	3.42	3.42	3.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.42	1.71	2.28	0.00	3.42	3.33	0.00	3.42
AA	3.42	3.42	3.42	3.42	3.42	3.41	0.00	3.39	2.69	0.53	0.15	0.57	0.26	0.57	0.26	0.00	3.42	3.42	0.00	0.00	0.00	0.00
AB	3.42	3.42	3.42	0.00	3.42	3.42	0.00	3.39	1.64	0.66	0.33	0.76	0.43	0.79	1.78	0.00	0.67	0.00	1.22	1.22	1.71	(N.C)

IC1601(R5S77641N300BG-K)
uCOM C

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
A1	0.00	B9	0.00	C17	3.40	E3	3.42	F11	-	G19	0.00	J5	3.42
A2	0.00	B10	3.41	C18	3.40	E4	0.00	F12	-	G20	0.01	J6	-
A3	0.00	B11	3.41	C19	0.04	E5	3.42	F13	-	G21	0.00	J7	-
A4	0.00	B12	3.41	C20	3.42	E6	1.22	F14	-	G22	0.00	J8	12.20
A5	1.22	B13	3.42	C21	3.40	E7	0.00	F15	-	H1	1.69	J9	0.00
A6	0.01	B14	3.42	C22	3.42	E8	0.00	F16	-	H2	0.00	J10	0.00
A7	0.01	B15	3.40	D1	0.00	E9	3.42	F17	-	H3	0.00	J11	0.00
A8	3.42	B16	3.40	D2	0.00	E10	3.42	F18	3.42	H4	3.42	J12	0.00
A9	3.42	B17	3.40	D3	0.00	E11	0.00	F19	0.00	H5	3.42	J13	0.00
A10	3.40	B18	3.42	D4	3.42	E12	1.22	F20	0.22	H6	-	J14	0.00
A11	3.40	B19	0.85	D5	0.00	E13	0.00	F21	2.60	H7	-	J15	12.20
A12	3.40	B20	3.42	D6	0.00	E14	0.00	F22	2.59	H8	12.20	J16	-
A13	3.41	B21	0.00	D7	0.00	E15	0.00	G1	0.00	H9	12.20	J17	-
A14	3.42	B22	1.82	D8	0.00	E16	0.00	G2	0.00	H10	12.20	J18	0.00
A15	3.40	C1	(N.C)	D9	0.00	E17	3.42	G3	0.00	H11	12.20	J19	3.31
A16	3.40	C2	0.00	D10	3.40	E18	3.42	G4	3.42	H12	12.20	J20	3.09
A17	0.00	C3	3.42	D11	3.40	E19	0.21	G5	0.00	H13	12.20	J21	3.30
A18	0.00	C4	0.00	D12	3.40	E20	0.22	G6	-	H14	12.20	J22	3.30
A19	0.782-0.804	C5	0.00	D13	3.40	E21	1.80	G7	-	H15	12.20	K1	0.00
A20	1.45	C6	0.00	D14	3.40	E22	0.05	G8	-	H16	-	K2	0.00
A21	2.02	C7	0.00	D15	3.40	F1	0.00	G9	-	H17	-	K3	1.72
A22	0.00	C8	0.00	D16	3.40	F2	0.00	G10	-	H18	0.00	K4	3.39
B1	0.00	C9	0.00	D17	3.40	F3	3.42	G11	-	H19	3.10	K5	0.00
B2	0.00	C10	3.40	D18	3.40	F4	3.42	G12	-	H20	3.11	K6	-
B3	0.00	C11	3.40	D19	3.42	F5	3.42	G13	-	H21	3.12	K7	-
B4	0.00	C12	3.40	D20	3.32	F6	-	G14	-	H22	3.13	K8	12.20
B5	0.00	C13	3.40	D21	3.38	F7	-	G15	-	J1	0.00	K9	0.00
B6	0.00	C14	3.40	D22	2.30	F8	-	G16	-	J2	1.78	K10	0.00
B7	0.00	C15	3.40	E1	0.00	F9	-	G17	-	J3	1.71	K11	0.00
B8	0.00	C16	3.40	E2	0.00	F10	-	G18	3.42	J4	0.848-0.861	K12	0.00

I MAIN ASSY

IC1601(R5S77641N300BG-K)
uCOM C

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
K13	0.00	M12	0.00	P11	0.00	T10	-	V9	3.42	Y8	0.00	AB7	0.00
K14	0.00	M13	0.00	P12	0.00	T11	-	V10	3.42	Y9	0.00	AB8	3.39
K15	12.20	M14	0.00	P13	0.00	T12	-	V11	1.22	Y10	0.00	AB9	1.64
K16	-	M15	12.20	P14	0.00	T13	-	V12	1.22	Y11	0.00	AB10	0.66
K17	-	M16	-	P15	12.20	T14	-	V13	3.42	Y12	0.00	AB11	0.33
K18	0.00	M17	-	P16	-	T15	-	V14	3.42	Y13	0.00	AB12	0.76
K19	3.30	M18	3.42	P17	-	T16	-	V15	0.00	Y14	0.00	AB13	0.43
K20	3.31	M19	3.30	P18	0.00	T17	-	V16	0.00	Y15	3.42	AB14	0.79
K21	3.30	M20	3.30	P19	0.00	T18	0.00	V17	3.42	Y16	1.71	AB15	1.78
K22	3.32	M21	3.18	P20	0.00	T19	0.00	V18	3.42	Y17	2.28	AB16	0.00
L1	0.00	M22	3.18	P21	3.10	T20	0.00	V19	0.01	Y18	0.00	AB17	0.67
L2	0.00	N1	1.73	P22	3.30	T21	3.31	V20	0.00	Y19	3.42	AB18	0.00
L3	1.74	N2	1.73	R1	3.40	T22	3.32	V21	0.00	Y20	3.33	AB19	1.22
L4	3.38	N3	0.00	R2	3.42	U1	3.42	V22	0.00	Y21	0.00	AB20	1.22
L5	0.00	N4	3.42	R3	3.39	U2	3.41	W1	0.00	Y22	3.42	AB21	1.71
L6	-	N5	3.42	R4	0.00	U3	0.00	W2	0.00	AA1	3.42	AB22	(N.C)
L7	-	N6	-	R5	1.22	U4	0.00	W3	3.42	AA2	3.42		
L8	12.20	N7	-	R6	-	U5	3.42	W4	3.42	AA3	3.42		
L9	0.00	N8	12.20	R7	-	U6	-	W5	3.42	AA4	3.42		
L10	0.00	N9	0.00	R8	12.20	U7	-	W6	3.42	AA5	3.42		
L11	0.00	N10	0.00	R9	12.20	U8	-	W7	0.03	AA6	3.41		
L12	0.00	N11	0.00	R10	12.20	U9	-	W8	0.00	AA7	0.00		
L13	0.00	N12	0.00	R11	12.20	U10	-	W9	0.00	AA8	3.39		
L14	0.00	N13	0.00	R12	12.20	U11	-	W10	0.00	AA9	2.69		
L15	12.20	N14	0.00	R13	12.20	U12	-	W11	0.00	AA10	0.53		
L16	-	N15	12.20	R14	12.20	U13	-	W12	0.00	AA11	0.15		
L17	-	N16	-	R15	12.20	U14	-	W13	0.00	AA12	0.57		
L18	3.42	N17	-	R16	-	U15	-	W14	0.00	AA13	0.26		
L19	3.29	N18	3.42	R17	-	U16	-	W15	0.00	AA14	0.57		
L20	3.29	N19	0.00	R18	0.00	U17	-	W16	0.00	AA15	0.26		
L21	3.31	N20	3.30	R19	0.00	U18	3.42	W17	1.93	AA16	0.00		
L22	3.32	N21	3.09	R20	0.00	U19	0.00	W18	3.42	AA17	3.42		
M1	3.19	N22	3.10	R21	3.30	U20	0.00	W19	0.00	AA18	3.42		
M2	0.00	P1	0.00	R22	3.32	U21	0.00	W20	0.00	AA19	0.00		
M3	0.00	P2	3.39	T1	3.40	U22	0.00	W21	3.42	AA20	0.00		
M4	3.42	P3	3.39	T2	3.41	V1	3.42	W22	3.42	AA21	0.00		
M5	3.42	P4	0.00	T3	3.40	V2	3.42	Y1	0.03	AA22	0.00		
M6	-	P5	0.00	T4	0.00	V3	3.42	Y2	0.04	AB1	3.42		
M7	-	P6	-	T5	0.00	V4	3.42	Y3	3.42	AB2	3.42		
M8	12.20	P7	-	T6	-	V5	3.42	Y4	3.42	AB3	3.42		
M9	0.00	P8	12.20	T7	-	V6	0.00	Y5	3.42	AB4	0.00		
M10	0.00	P9	0.00	T8	-	V7	0.00	Y6	3.41	AB5	3.42		
M11	0.00	P10	0.00	T9	-	V8	3.42	Y7	0.00	AB6	3.42		

IC1105(UPD78K0R1164)
uCOM A

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
1	0.02	21	1.62-1.94	41	0.00	61	0.00	81	3.29
2	0.02	22	0.75-1.00	42	3.37	62	0.00	82	0.00
3	0.02	23	0.69-0.93	43	3.17	63	0.00	83	2.96-3.15
4	0.02	24	0.90-1.04	44	3.28	64	0.00	84	0.04
5	0.00	25	0.73-0.94	45	0.00	65	0.00	85	0.00
6	3.26	26	0.74-0.92	46	0.00	66	0.00	86	3.24
7	3.26	27	0.79-1.03	47	3.30	67	0.00	87	3.39
8	3.26	28	1.24-1.30	48	1.65	68	3.29	88	0.01
9	0.07	29	3.30	49	1.65	69	3.27	89	0.01
10	3.39	30	3.30	50	3.38	70	3.39	90	3.30
11	3.39	31	0.72-0.95	51	0.00	71	0.00	91	0.00
12	3.39	32	0.82-1.03	52	0.00	72	3.29	92	0.00
13	3.39	33	0.08	53	0.00	73	0.01	93	0.00
14	0.00	34	0.24-0.32	54	0.00	74	0.00	94	1.71
15	0.00	35	0.01	55	0.00	75	2.16	95	0.07
16	0.00	36	0.05-0.13	56	1.61	76	0.00	96	2.46
17	0.00	37	0.06-0.13	57	2.52	77	3.39	97	0.00
18	3.42	38	0.24-0.40	58	3.37	78	0.09	98	0.00
19	1.64	39	3.30	59	1.23	79	0.94	99	3.30
20	0.00	40	0.01	60	0.00	80	3.27	100	3.30

J HAMP ASSY

IC 5604(AK4382AVT)
HP DAC

Pin Name	Pin No.	Voltage[V]
MCLK	1	1.78
BICK	2	1.72
SDTI	3	0.00
LRCK	4	1.71
PDN	5	3.42
CSN	6	0.00
CCLK	7	0.00
CDTI	8	0.00
AOUTR-	9	2.46
AOUTR+	10	2.45
AOUTL-	11	2.46
AOUTL+	12	2.46
VSS	13	0.00
VDD	14	4.93
DZFR	15	0.00
DZFL	16	0.00

IC103(NJM78M12FA)
15V → 12V

Pin Name	Pin No.	Voltage[V]
OUT	1	11.89
COM	2	0.00
IN	3	14.83

K HREG ASSY

IC104(NJM78M09FA)
-15VA → -9VA

Pin Name	Pin No.	Voltage[V]
OUT	1	-9.00
IN	2	-14.81
COM	3	0.00

IC104(NJM78M09FA)
+15VA → +9VA

Pin Name	Pin No.	Voltage[V]
OUT	1	9.05
COM	2	0.00
IN	3	14.83

M AOUT ASSY

IC5010 (AK4390EF)
MASTER DAC

Pin Name	Pin No.	Voltage[V]
SMUTE/CSN	1	0.00
TST1/CAD0	2	0.00
DEM0/CCLK	3	0.01
DEM1/CDTI	4	0.00
DIF0/CAD1	5	0.00
DIF1/DZFL	6	4.91
DIF2	7	4.91
PSN	8	4.91
TST2/DZFR	9	0.00
AOUTRP	10	2.44
AOUTRN	11	2.44
VSS1	12	0.00
VDDR	13	4.93
VREFHR	14	4.93
VREFLR	15	0.00
VREFLL	16	0.00
VREFHL	17	4.93
VDDL	18	4.93
VSS2	19	0.00
AOUTLN	20	2.43
AOUTLP	21	2.43
VSS3	22	0.00
AVDD	23	4.92
MCLK	24	1.75
VSS4	25	0.00
DVDD	26	4.91
PDN	27	3.49
BICK	28	1.71
SDATA	29	1.65-1.80
LRCK	30	1.71

IC5201 (AK4387ET)
REC DAC

Pin Name	Pin No.	Voltage[V]
MCLK	1	1.71
BICK	2	1.70
SDTI	3	1.61-1.77
LRCK	4	1.71
RSTN	5	3.42
CSN	6	0.00
CCLK	7	0.00
CDTI	8	0.00
NC	9	0.00
AOUTR	10	2.46
AOUTL	11	2.45
VCOM	12	2.45
VSS	13	0.00
AVDD	14	4.92
DVDD	15	4.87
DZF	16	0.00

IC5401 (AK4387ET)
SEND DAC

Pin Name	Pin No.	Voltage[V]
MCLK	1	1.72
BICK	2	1.70
SDTI	3	1.55-1.79
LRCK	4	1.71
RSTN	5	3.42
CSN	6	0.00
CCLK	7	0.00
CDTI	8	0.00
NC	9	0.00
AOUTR	10	2.46
AOUTL	11	2.46
VCOM	12	2.45
VSS	13	0.00
AVDD	14	4.91
DVDD	15	4.87
DZF	16	0.00

IC5404 (AK5358AET)
RETURN ADC

Pin Name	Pin No.	Voltage[V]
AINR	1	2.45
AINL	2	2.45
CKS1	3	0.00
VCOM	4	2.45
AGND	5	0.00
VA	6	4.91
VD	7	3.66
DGND	8	0.00
SDTO	9	1.09-1.63
LRCK	10	1.71
MCLK	11	1.71
SCLK	12	1.70
PDN	13	3.42
DIF	14	0.00
CKS2	15	0.00
CKS0	16	0.00

IC5501 (AK4387ET)
BOOTH DAC

Pin Name	Pin No.	Voltage[V]
MCLK	1	1.72
BICK	2	1.70
SDTI	3	1.68-1.70
LRCK	4	1.71
RSTN	5	3.42
CSN	6	0.00
CCLK	7	0.00
CDTI	8	0.00
NC	9	0.00
AOUTR	10	2.45
AOUTL	11	2.45
VCOM	12	2.44
VSS	13	0.00
AVDD	14	4.92
DVDD	15	4.87
DZF	16	0.00

N PNLE ASSY

IC7501(UPD78F1162AGF-GAS-K)
CPU B

Pin Name	Pin No.	Voltage[V]	Pin Name	Pin No.	Voltage[V]
P60/SCL0	1	0.03	AVSS	51	0.03
P61/SDA0	2	0.03	P157/AIN15	52	1.68
P62	3	0.03	P156/AIN14	53	2.08
P63	4	0.03	P155/AIN13	54	2.50
P31/TI03/TO03/INTP4	5	0.03	P154/AIN12	55	2.08
P64/RD#	6	0.46	P153/AIN11	56	1.67
P65/WR0#	7	0.45	P152/AIN10	57	1.68
P66/WR1#	8	0.45	P151/AIN9	58	0.03
P67/ASTB	9	0.44	P150/AIN8	59	0.03
P77/EX23/KR7/INTP11	10	0.03	P27/AIN7	60	0.03
P76/EX22/KR6/INTP10	11	0.37	P26/AIN6	61	0.03
P75/EX21/KR5/INTP9	12	0.73	P25/AIN5	62	3.39
P74/EX20/KR4/INTP8	13	0.38	P24/AIN4	63	3.39
P73/EX19/KR3	14	0.38	P23/AIN3	64	3.39
P72/EX18/KR2	15	0.03	P22/AIN2	65	3.39
P71/EX17/KR1	16	0.73	P21/AIN1	66	3.39
P70/EX16/KR0	17	0.38-0.73	P20/AIN0	67	3.39
P06/WAIT#	18	0.01	P130	68	1.05
P95/CLKOUT	19	3.40	P131/TI06/TO06	69	0.03
EVSS1	20	0.03	P04/SCK10#/SCL1	70	0.03
P80/EX0	21	0.38	P03/SI10/RXD1/SDA1	71	0.03
P81/EX1	22	0.72	P02/SO10/TXD1	72	0.03
P82/EX2	23	0.38	P01/TO00	73	1.73
P83/EX3	24	0.39	P00/TI00	74	1.70
P84/EX4	25	0.39	P145/TI07/TO07	75	0.03
P85/EX5	26	0.38	P144/SO20/TXD2	76	0.00
P86/EX6	27	0.73	P143/SI20/RXD2/SDA2	77	0.45
P87/EX7	28	0.73	P142/SCK20#/SCL2	78	0.45
P30/INTP3/RTC1HZ	29	0.73	P141/PCLBUZ1/INTP7	79	0.44
EVDD1	30	3.40	P140/PCLBUZ0/INTP6	80	0.44
P50/EX8	31	0.51	P120/INTP0/EXLVI	81	2.17
P51/EX9	32	0.41	P47/INTP2	82	0.38
P52/EX10	33	0.51	P46/INTP1/TI05/TO05	83	0.03
P53/EX11	34	0.40	P45/SO01	84	1.89
P54/EX12	35	0.51	P44/SI01	85	0.06
P55/EX13	36	0.41	P43/SCK01#	86	2.88
P56/EX14	37	0.52	P42/TI04/TO04	87	0.08
P57/EX15	38	0.41	P41/TOOL1	88	0.04
P17/EX31/TI02/TO02	39	0.35	P40/TOOL0	89	0.04
P16/EX30/TI01/TO01/INTP5	40	9.00	RESET#	90	3.29
P15/EX29/RTCDIC/RTCCL	41	0.03	P124/XT2	91	3.39
P14/EX28/RXD3	42	0.03	P123/XT1	92	3.39
P13/EX27/TXD3	43	0.38	FLMD0	93	0.03
P12/EX26/SO000/TXD0	44	0.37	P122/X2/EXCLK	94	1.72
P11/EX25/SI00/RXD0	45	1.54	P121/X1	95	1.17
P10/EX24/SCK00#	46	0.03	REGC	96	2.49
AVREF1	47	3.31	VSS	97	0.03
P110/ANO0	48	1.64	EVSS0	98	0.00
P111/ANO1	49	1.65	VDD	99	3.41
AVREF0	50	3.29	EVDD0	100	3.41

IC7503(TC74HC4052AF)
MULTIPLEXER

Pin Name	Pin No.	Voltage[V]
0Y	1	1.68
2Y	2	1.69
Y-COM	3	1.68
3Y	4	1.68
1Y	5	1.68
INH	6	0.02
VEE	7	0.02
GND	8	0.02
B	9	1.70
A	10	1.70
3X	11	1.68
0X	12	1.68
X-COM	13	1.67
1X	14	1.67
2X	15	1.66
VCC	16	3.32

R PNCE ASSY

IC7000(TC74HC4052AF)
MULTIPLEXER

Pin Name	Pin No.	Voltage[V]
0Y	1	1.67
2Y	2	1.64
Y-COM	3	1.70
3Y	4	1.66
1Y	5	1.82
INH	6	0.00
VEE	7	0.00
GND	8	0.00
B	9	1.62
A	10	1.64
3X	11	1.50
0X	12	1.67
X-COM	13	2.08
1X	14	1.68
2X	15	3.28
VCC	16	3.28

IC7002(NJM2903M)

Pin Name	Pin No.	Voltage[V]
OUTPUT1	1	4.87
-INPUT1	2	0.16
+INPUT1	3	3.29
GND	4	0.00
+INPUT2	5	0.00
-INPUT2	6	-0.12
OUTPUT2	7	-0.08
V	8	4.87

V TFTB ASSY

CN2403(DKN1624-A)
CONNECTOR

Pin Name	Pin No.	Voltage[V]
GND	1	0.00
GND	2	0.00
GND	3	0.00
GND	4	0.00
VDD	5	3.42
INT	6	3.41
SDA	7	3.21
SCL	8	3.27
RESET	9	0.00

CN2404(CKS560-A)
CONNECTOR

Pin Name	Pin No.	Voltage[V]
GND	1	0.00
GND	2	0.00
GND	3	0.00
NC	4	0.00
VCC	5	3.42
VCC	6	3.42
VCC	7	3.42
VCC	8	3.42
NC	9	0.00
TEST3	10	0.00
TEST2	11	0.00
TEST1	12	0.01
VSYNC	13	3.39
HSYNC	14	3.39
GND	15	0.00
SHUT	16	-0.02
GND	17	0.00
R5	18	0.00
R4	19	0.17
R3	20	0.00
R2	21	0.79-0.86
R1	22	-0.01
R0	23	0.21
GND	24	0.00
G5	25	0.18
G4	26	0.44
G3	27	0.60
G2	28	0.67
G1	29	0.00
G0	30	0.87
GND	31	0.00
B5	32	0.34
B4	33	0.57
B3	34	0.80
B2	35	0.00
B1	36	0.90
B0	37	0.00
GND	38	0.00
DCLK	39	1.62
GND	40	0.00

IC2601(TK61222CQ6)
BACKLIGHT

Pin Name	Pin No.	Voltage[V]
SW	1	12.00
NC1	2	0.00
FAULT	3	0.00-0.06
CSS	4	2.50
VIN	5	11.92
VREG	6	5.12
CLK0	7	0.20
CLK1	8	0.00
EN	9	0.00
DIM	10	2.15
RT	11	0.53
VREF	12	2.52
LED6	13	0.00
LED5	14	1.22
LED4	15	1.22
GND1	16	0.00
LED3	17	0.00
LED2	18	0.00
LED1	19	2.06
EAOUT	20	0.00
ISET	21	0.52
NC2	22	0.00
PGND	23	0.00
OVP	24	1.20

10.30 WAVEFORMS

■ Measurement Conditoion

IN or OUT	Measure CH	IN CH	IN LEVEL	IN FREQUENCY	RL	Other Settings	Other Settings
IN	CD	CH1/2/3/4	0 dB	1K	-	TRIM LEVEL VR Center	-
IN	LINE	CH2/3	0 dB	1K	-	TRIM LEVEL VR Center	-
IN	PHONO	CH1/4	-40 dB	1K	-	TRIM LEVEL VR Center	-
IN	DIGITAL	CH1/2/3/4	0 dB	1K	-	TRIM LEVEL VR Center	-
IN	MIC	MIC	-40 dB	1K	-	TRIM LEVEL VR MAX	Center all EQs
IN	RETURN	RETURN	0 dB	1K	-	Level/Depth VR Center	-
IN	USB	USB1/2/3/4	0 dB	1K	-	TRIM LEVEL VR Center	-
IN	*LAN	COMPUTER1 /CH4	-	-	-	COMPUTER1: Connect with PC CH4: Connect with CDJ-2000	-
OUT	MASTER1/2	CH1/CD	0 dB	1K	10 kΩ	MASTER LEVEL VR Center	Center all EQs/FADER Max
OUT	BOOTH	CH1/CD	0 dB	1K	10 kΩ	BOOTH LEVEL VR Center	Center all EQs/FADER Max
OUT	REC	CH1/CD	0 dB	1K	10 kΩ		Center all EQs/FADER Max
OUT	SEND	CH1/CD	0 dB	1K	10 kΩ		Center all EQs/FADER Max
OUT	HP	CH1/CD	0 dB	1K	32 Ω	HP LEVEL Center	Center all EQs/FADER Max
OUT	DIG OUT	CH1/CD	0 dB	1K	75 Ω		Center all EQs/FADER Max

* CLUB SET UP: Factory setting

*For measurement of LAN AUDIO DATA, input a 1-kHz, 0-dB signal from the PC, using the LINK monitor function, for the INPUT line.
For the OUTPUT line, input a 1-kHz, 0-dB signal to MIC, using the LIVE SAMPLER function.

Measure the output waveforms at the CH1 CD input.

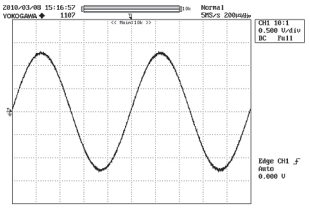
Switch Type Setting

MASTER ATT	: 0 dB
MONO/ST(HP)	: ST
MON/ST(MASTER)	: ST
CH FADER CURVE	: Right side (linear)
CROSS FADER CURVE	: Center
CROSS FADER ASSIGN	: THRU
MIC SW	: ON
MASTER CUE	: ON
FILTER	: MIN
ISOLATOR	: EQ

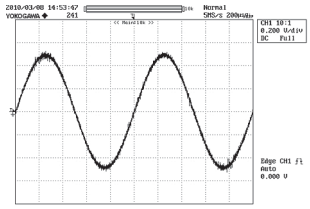
A AIN1 ASSY

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

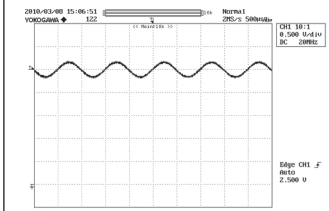
(1) R4944_TP (PHONO1_L)
V: 0.5 V/div. H: 200 µS/div.



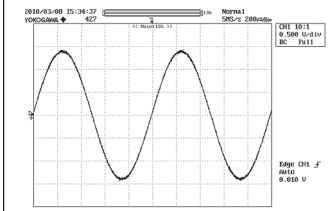
(3) CN3000 - pin 5_TP
V: 0.2 V/div. H: 200 µS/div.



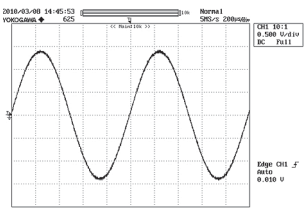
(5) R3096_TP (L-)
V: 0.5 V/div. H: 500 µS/div.



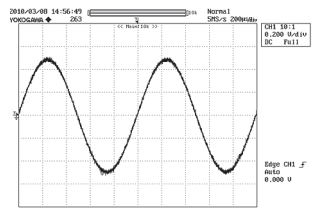
(7) RY3301 - pin 7
V: 0.5 V/div. H: 200 µS/div.



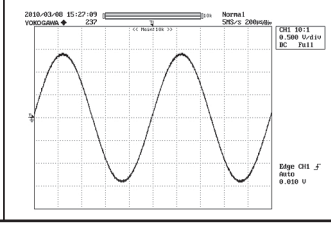
(2) C4937_TP (LINE1_L)
V: 0.5 V/div. H: 200 µS/div.



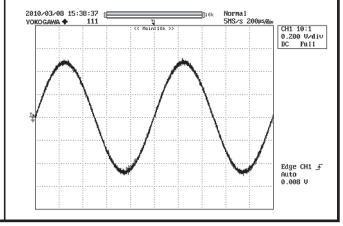
(4) IC3004 - pin 1_TP-R3040
V: 0.2 V/div. H: 200 µS/div.



(6) R4952_TP (CD2_L)
V: 0.5 V/div. H: 200 µS/div.



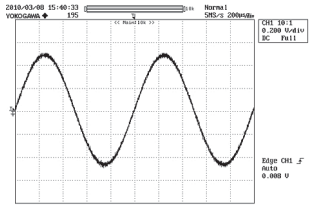
(8) CN3300 - pin 5_TP
V: 0.2 V/div. H: 200 µS/div.



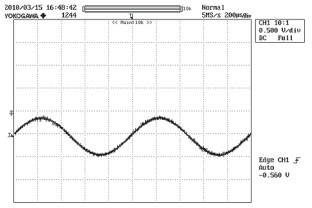
A AIN1 ASSY

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

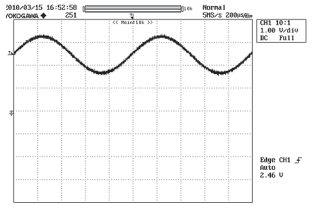
(9) IC3303 - pin 1_TP
V: 0.2 V/div. H: 200 µS/div.



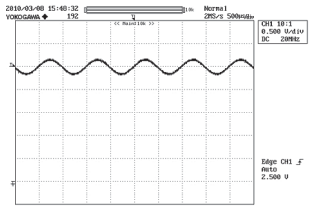
(11) IC4900 - pin 1_TP (MIC1_IN)
V: 0.5 V/div. H: 200 µS/div.



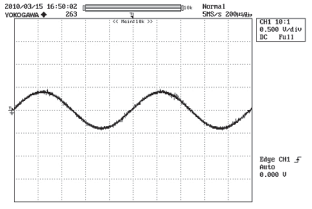
(13) C4917_TP (MIC ADC IN)
V: 1 V/div. H: 200 µS/div.



(10) D3303_TP
V: 0.5 V/div. H: 500 µS/div.

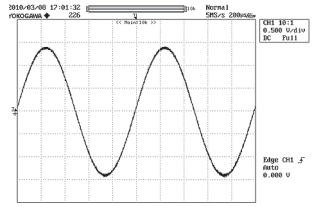


(12) VR4900 - pin 2_TP
V: 0.5 V/div. H: 200 µS/div.

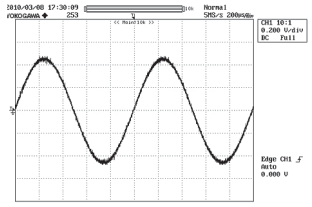


G AIN2 ASSY

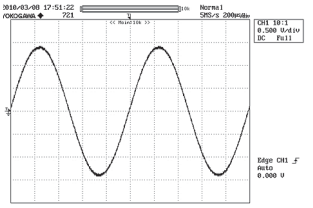
(1) R4206_TP (CD3_L)
V: 0.5 V/div. H: 200 µS/div.



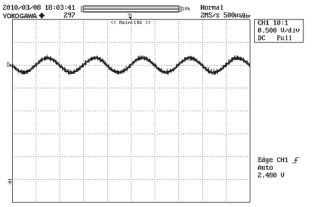
(4) IC3603 - pin 1_TP
V: 0.2 V/div. H: 200 µS/div.



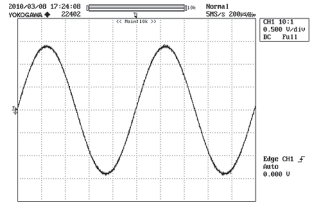
(7) C4228 (C4228-R4212)
V: 0.5 V/div. H: 200 µS/div.



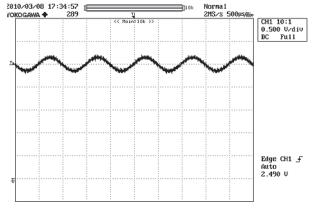
(10) D3902_TP
V: 0.5 V/div. H: 500 µS/div.



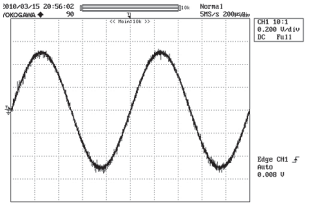
(2) C4224_pin 1
V: 0.5 V/div. H: 200 µS/div.



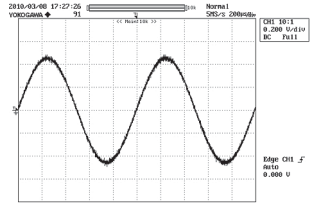
(5) R3700_TP
V: 0.5 V/div. H: 500 µS/div.



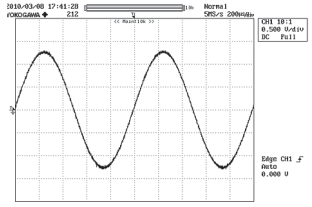
(8) CN3900 - pin 5
V: 0.2 V/div. H: 200 µS/div.



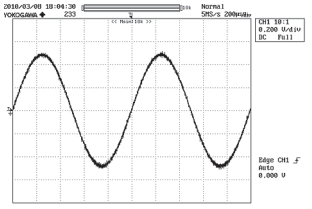
(3) CN3600 - pin 5
V: 0.2 V/div. H: 200 µS/div.



(6) C4226 - pin 2 (C4226-R4210)
V: 0.5 V/div. H: 200 µS/div.



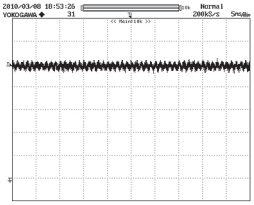
(9) IC3904 - pin 1_TP-R3940
V: 0.2 V/div. H: 200 µS/div.



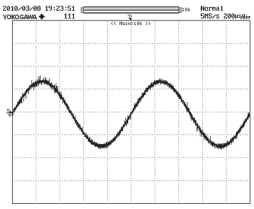
MAOUT ASSY

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

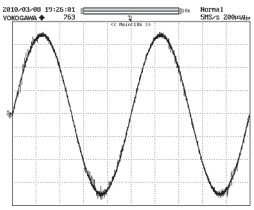
1 **IC5010_pin 21_TP**
V: 0.5 V/div. H: 5 mS/div.



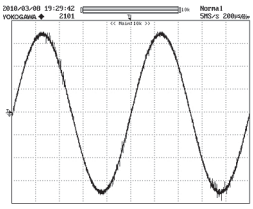
2 **R5064**
V: 0.1 V/div. H: 200 μS/div.



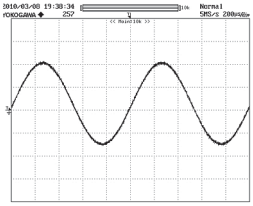
3 **R5130**
V: 0.1 V/div. H: 200 μS/div.



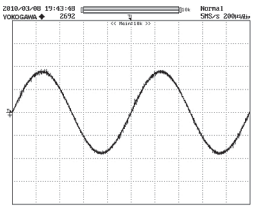
4 **RY5001_pin 7 - R5254 (Thru hole)**
V: 0.1 V/div. H: 200 μS/div.



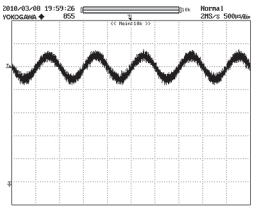
5 **C5220 - C5216 (Thru hole) (MASTER2_L)**
V: 0.2 V/div. H: 200 μS/div.



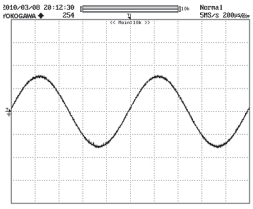
6 **R5243 (R5243-C5236) (MASTER2_L)**
V: 0.2 V/div. H: 200 μS/div.



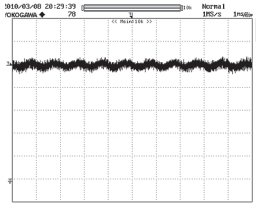
7 **IC5201 - pin 11 - C5241 (Thru hole)**
V: 0.5 V/div. H: 500 μS/div.



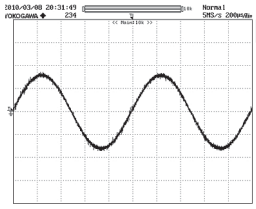
8 **C5222 - R5229 (Thru hole) (REC_L)**
V: 0.5 V/div. H: 200 μS/div.



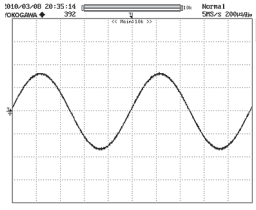
9 **IC5501 - pin 11 - C5507 (Thru hole)**
V: 0.5 V/div. H: 1 mS/div.



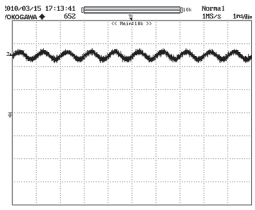
10 **IC5502 - pin 1**
V: 0.1 V/div. H: 200 μS/div.



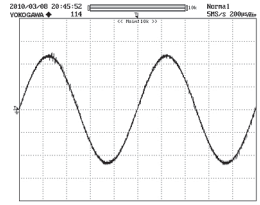
11 **IC5503 - pin 1**
V: 0.5 V/div. H: 200 μS/div.



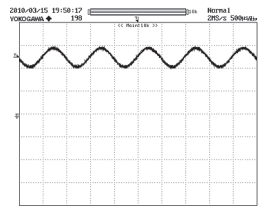
12 **IC5401 - pin 11 - C5411 (Thru hole)**
V: 1 V/div. H: 1 mS/div.



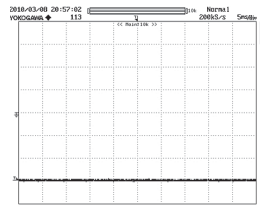
13 **C5437 - Q5403 (Thru hole) (SEND_L)**
V: 0.2 V/div. H: 200 μS/div.



14 **C5422 - D5402 (Thru hole)**
V: 1 V/div. H: 500 μS/div.

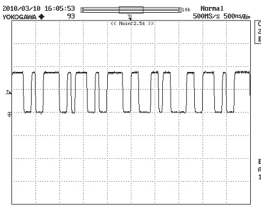


15 **R5598_TP (MUTE)**
V: 5 V/div. H: 5 mS/div.

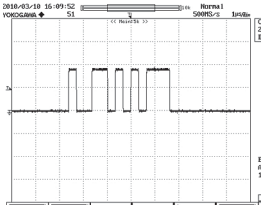


HPCIF ASSY

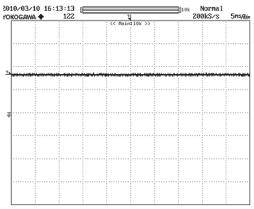
1 **D2001_pin 2**
V: 2 V/div. H: 500 nS/div.



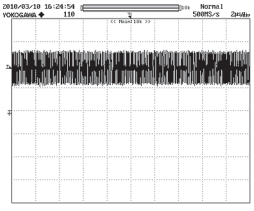
2 **CN2001 - pin 11_TP**
V: 2 V/div. H: 1 μS/div.



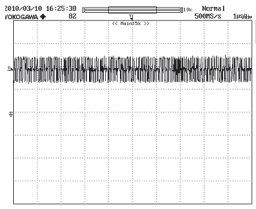
3 **R2015_TP (USB_RESET)**
V: 2 V/div. H: 5 mS/div.



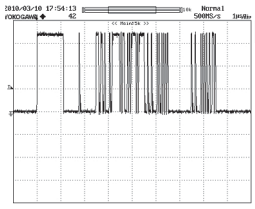
4 **R2082**
V: 1 V/div. H: 2 μS/div.



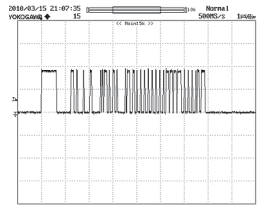
5 **R2084**
V: 1 V/div. H: 1 μS/div.



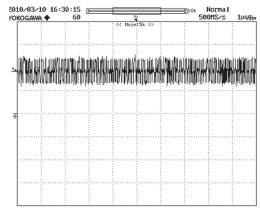
6 **IC2009 - pin 6_TP**
V: 1 V/div. H: 1 μS/div.



7 **IC2009 - pin 22_TP**
V: 2 V/div. H: 1 μS/div.



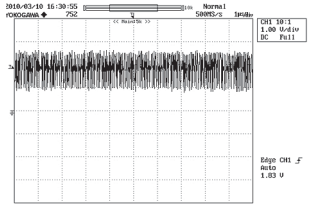
8 **R2077**
V: 1 V/div. H: 1 μS/div.



H PCIF ASSY

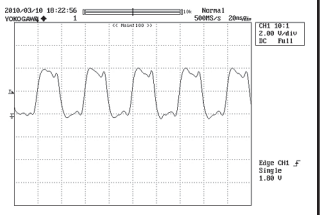
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

(9) R2075
V: 1 V/div. H: 1 µS/div.

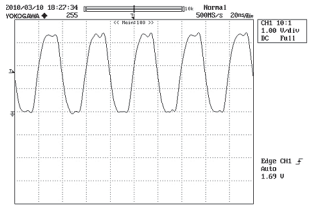


(11) IC2010 - pin 93_TP
V: 1 V/div. H: 20 nS/div.

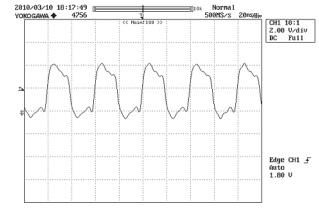
(13) IC2009 - pin 16_TP
V: 2 V/div. H: 20 nS/div.



(10) IC2009 - pin 46_TP
V: 1 V/div. H: 20 nS/div.

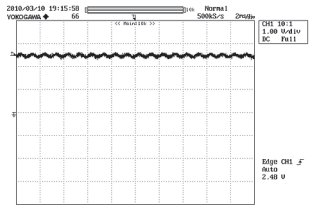


(12) IC2009 - pin 7_TP
V: 2 V/div. H: 20 nS/div.

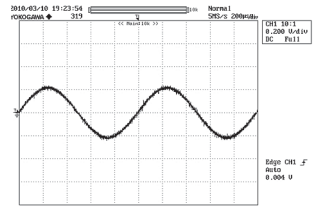


J HAMP ASSY

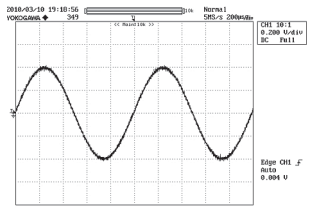
(1) IC5604 - pin 12_TP (AOUTL+)
V: 1 V/div. H: 2 mS/div.



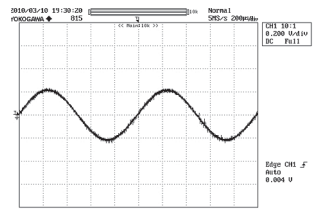
(3) R5761 - R5764_(R5764)
V: 0.2 V/div. H: 200 µS/div.



(2) C5618 - R5736_(R5736)
V: 0.2 V/div. H: 200 µS/div.

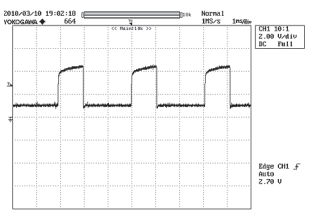


(4) CN5602_pin 1
V: 0.2 V/div. H: 200 µS/div.

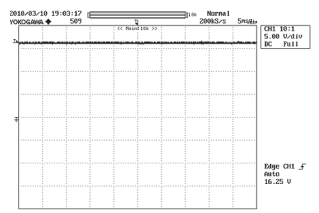


V TFTB ASSY

(1) CN2601 - pin 4_TP (LED1)
V: 2 V/div. H: 1 mS/div.



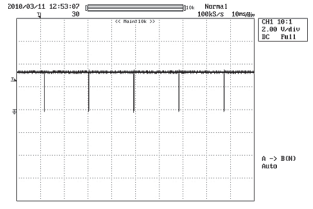
(2) CN2601 - pin 6 (ANODE2)
V: 5 V/div. H: 5 mS/div.



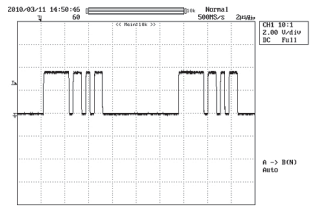
MAIN ASSY

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

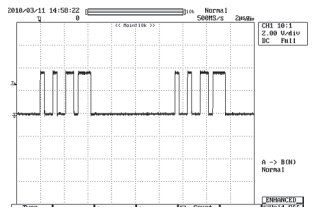
1 **CN1103_pin 23_TP (MIDI_TXD)**
V: 2 V/div. H: 10 mS/div.



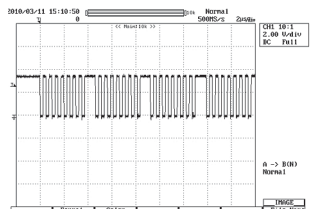
2 **CN1103_pin 19_TP (USB_DOUT)**
V: 2 V/div. H: 2 μS/div.



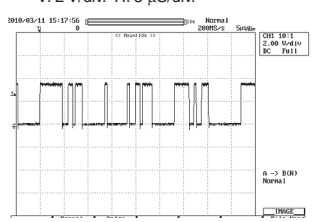
3 **CN1103_pin 16_TP (USB_DIN1)**
V: 2 V/div. H: 2 μS/div.



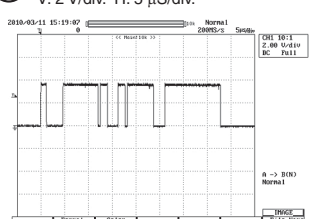
4 **CN1101_pin 13_TP**
V: 2 V/div. H: 2 μS/div.



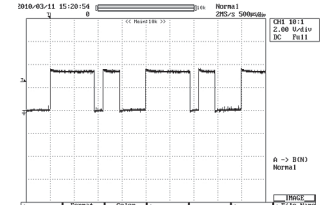
5 **CN1101_pin 14_TP**
V: 2 V/div. H: 5 μS/div.



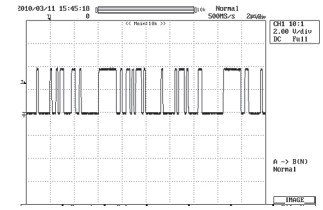
6 **CN1101_pin 15_TP**
V: 2 V/div. H: 5 μS/div.



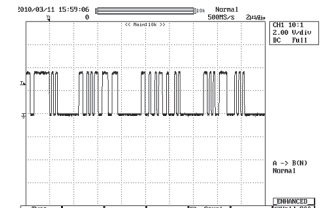
7 **CN1101_pin 16_TP**
V: 2 V/div. H: 500 μS/div.



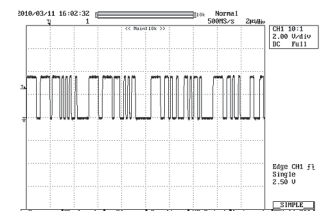
8 **CN1106_pin 2_TP**
V: 2 V/div. H: 2 μS/div.



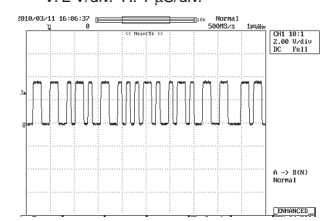
9 **CN1106_pin 5_TP**
V: 2 V/div. H: 2 μS/div.



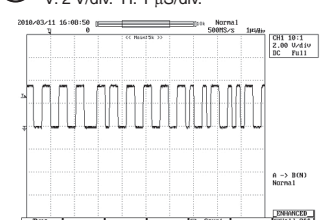
10 **CN1106_pin 18_TP**
V: 2 V/div. H: 2 μS/div.



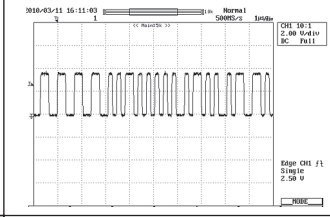
11 **CN1104_pin 8_TP**
V: 2 V/div. H: 1 μS/div.



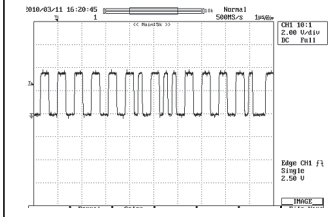
12 **CN1104_pin 9_TP**
V: 2 V/div. H: 1 μS/div.



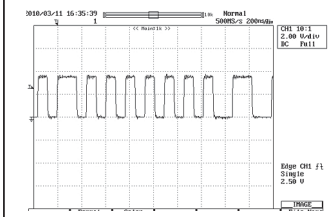
13 **CN1104_pin 10_TP**
V: 2 V/div. H: 1 μS/div.



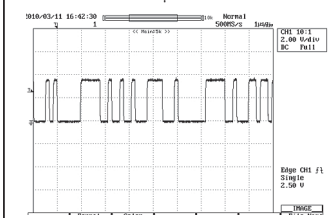
14 **CN1104_pin 11_TP**
V: 2 V/div. H: 1 μS/div.



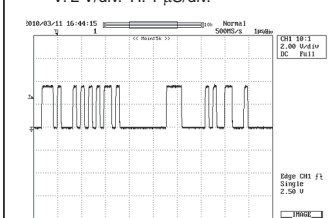
15 **CN1104_pin 12_TP**
V: 2 V/div. H: 200 nS/div.



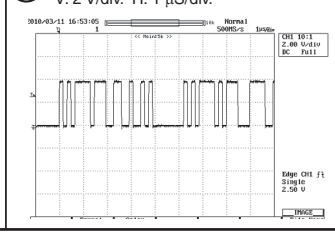
16 **CN1104_pin 17_TP**
V: 2 V/div. H: 1 μS/div.



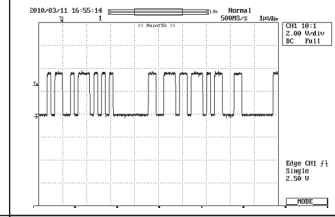
17 **CN1104_pin 20_TP**
V: 2 V/div. H: 1 μS/div.



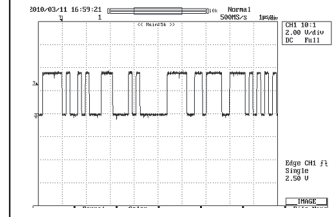
18 **CN1105_pin 16_TP**
V: 2 V/div. H: 1 μS/div.



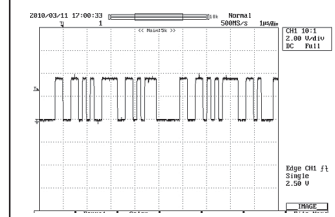
19 **CN1105_pin 17_TP**
V: 2 V/div. H: 1 μS/div.



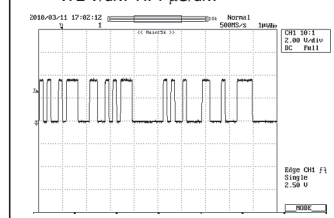
20 **CN1105_pin 18_TP**
V: 2 V/div. H: 1 μS/div.



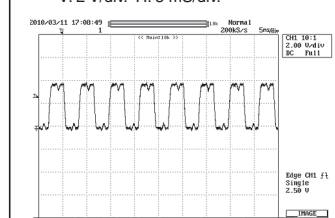
21 **CN1105_pin 19_TP**
V: 2 V/div. H: 1 μS/div.



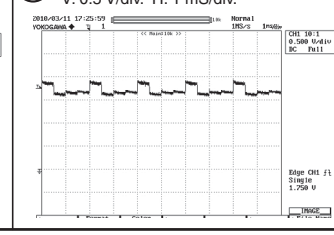
22 **CN1105_pin 20_TP**
V: 2 V/div. H: 1 μS/div.



23 **R1106**
V: 2 V/div. H: 5 mS/div.



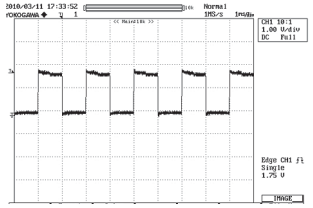
24 **R1138**
V: 0.5 V/div. H: 1 mS/div.



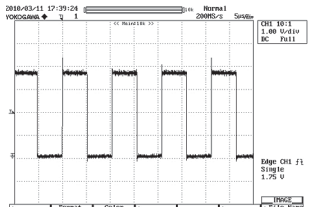
MAIN ASSY

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

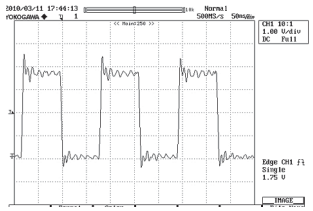
25 **R1139**
V: 1 V/div. H: 1 mS/div.



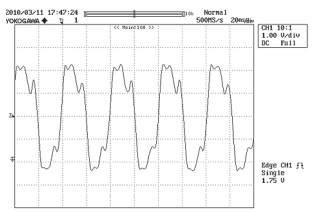
26 **R1203**
V: 1 V/div. H: 5 µS/div.



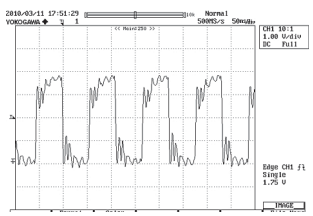
27 **R1207**
V: 1 V/div. H: 50 nS/div.



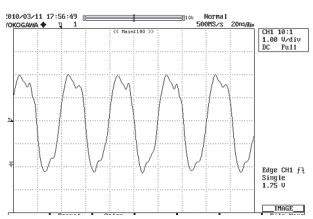
28 **R1211**
V: 1 V/div. H: 20 nS/div.



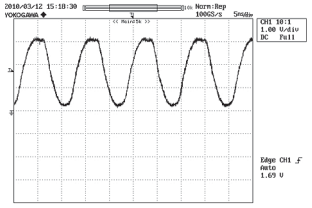
29 **R1215 - R1216**
V: 1 V/div. H: 50 nS/div.



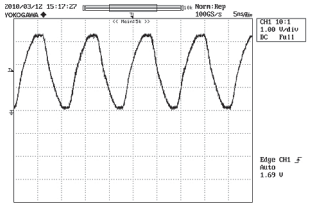
30 **R1145**
V: 1 V/div. H: 20 nS/div.



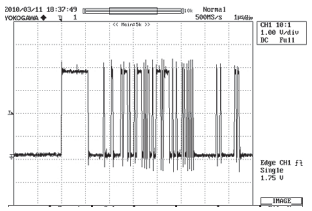
31 **R1592 (Thru hole)**
V: 1 V/div. H: 5 nS/div.



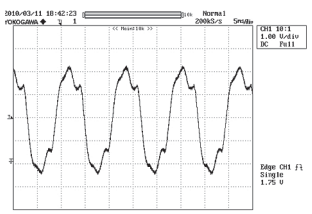
32 **R1417 (Thru hole)**
V: 1 V/div. H: 5 nS/div.



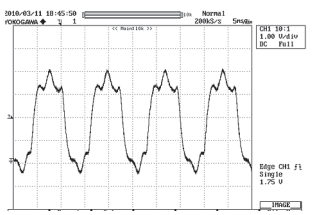
33 **CN1601_pin 22_TP**
V: 1 V/div. H: 1 µS/div.



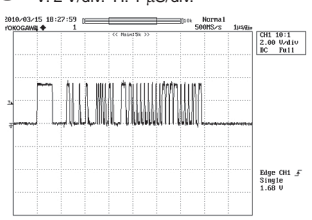
34 **CN1601_pin 20_TP**
V: 1 V/div. H: 5 mS/div.



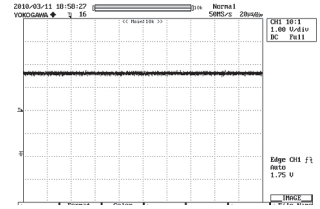
35 **CN1601_pin 18_TP**
V: 1 V/div. H: 5 mS/div.



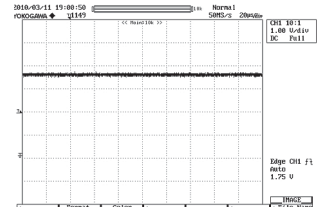
36 **CN1601_pin 13_TP**
V: 2 V/div. H: 1 µS/div.



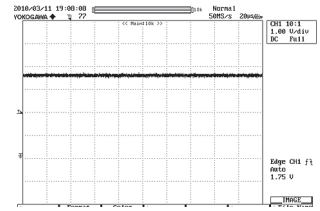
37 **R1232**
V: 1 V/div. H: 20 µS/div.



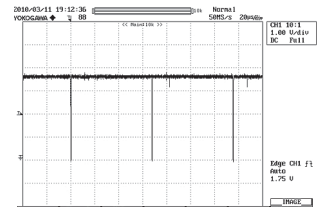
38 **R1213**
V: 1 V/div. H: 20 µS/div.



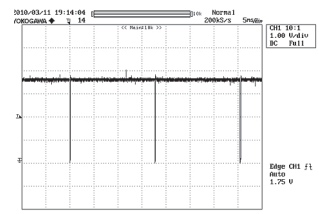
39 **R1217**
V: 1 V/div. H: 20 µS/div.



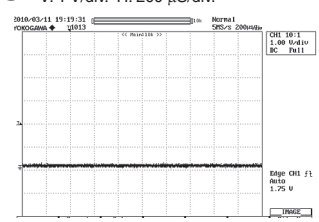
40 **CN1602_pin 2_TP**
V: 1 V/div. H: 20 µS/div.



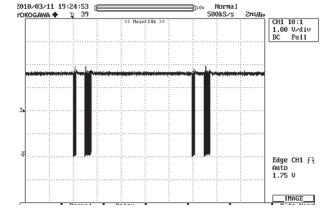
41 **CN1602_pin 1_TP**
V: 1 V/div. H: 5 mS/div.



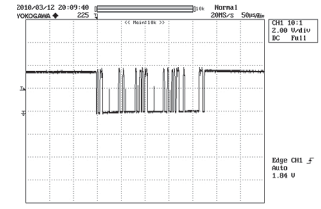
42 **CN1605_pin 12_TP**
V: 1 V/div. H: 200 µS/div.



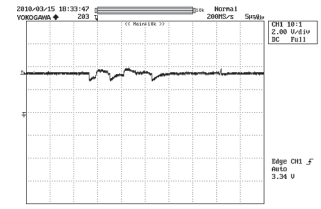
43 **CN1605_pin 11_TP**
V: 1 V/div. H: 2 mS/div.



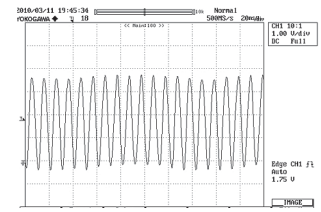
44 **CN1605_pin 10_TP**
V: 2 V/div. H: 50 µS/div.



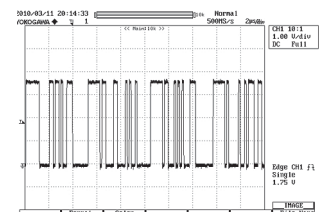
45 **CN1605_pin 9_TP**
V: 2 V/div. H: 5 µS/div.



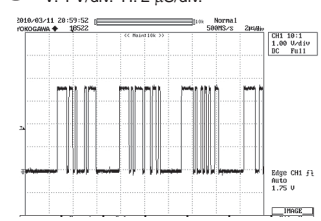
46 **R1632**
V: 1 V/div. H: 20 nS/div.



47 **R1861**
V: 1 V/div. H: 2 µS/div.



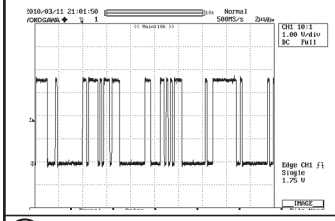
48 **R1867**
V: 1 V/div. H: 2 µS/div.



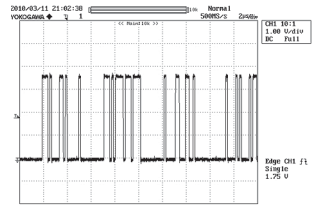
MAIN ASSY

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

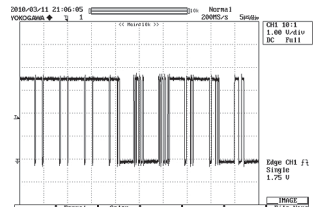
49 **R1873**
V: 1 V/div. H: 2 µS/div.



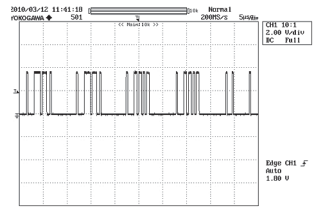
50 **R1879**
V: 1 V/div. H: 2 µS/div.



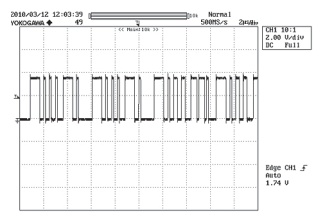
51 **IC1907 - pin 9**
V: 1 V/div. H: 5 µS/div.



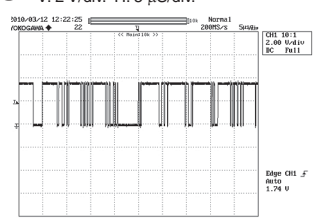
52 **IC1911-pin 9 - R1956(R1956 side)**
V: 2 V/div. H: 5 µS/div.



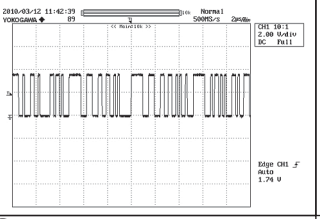
53 **IC1910 - pin 9 (Thru hole)**
V: 2 V/div. H: 2 µS/div.



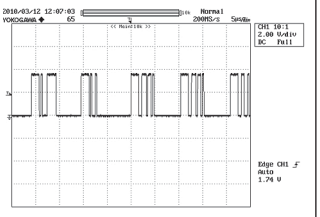
54 **IC1908 - pin 9**
V: 2 V/div. H: 5 µS/div.



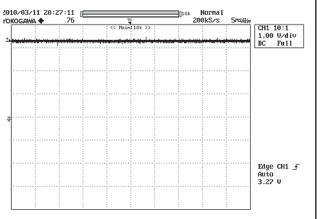
55 **R1971**
V: 2 V/div. H: 2 µS/div.



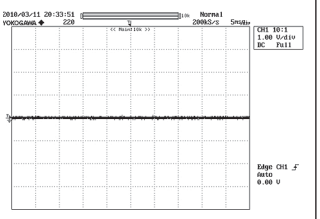
56 **R1952**
V: 2 V/div. H: 5 µS/div.



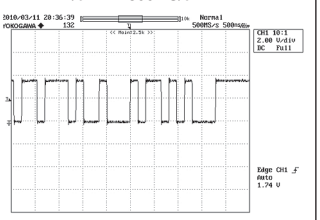
57 **CN1001_pin 6 (Thru hole)**
V: 1 V/div. H: 5 mS/div.



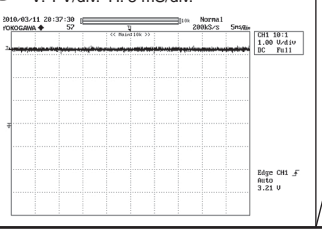
58 **CN1002_pin 2 (Thru hole)**
V: 1 V/div. H: 5 mS/div.



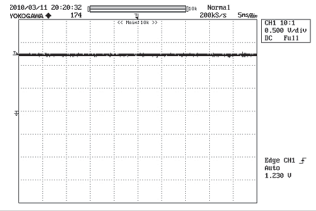
59 **CN1002_pin 11 (Thru hole)**
V: 2 V/div. H: 500 nS/div.



60 **CN1002_pin 12 (Thru hole)**
V: 1 V/div. H: 5 mS/div.



61 **R1045 - R2081 (Thru hole)**
V: 0.5 V/div. H: 5 mS/div.

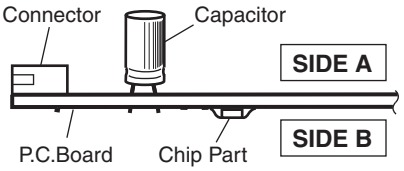


11. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

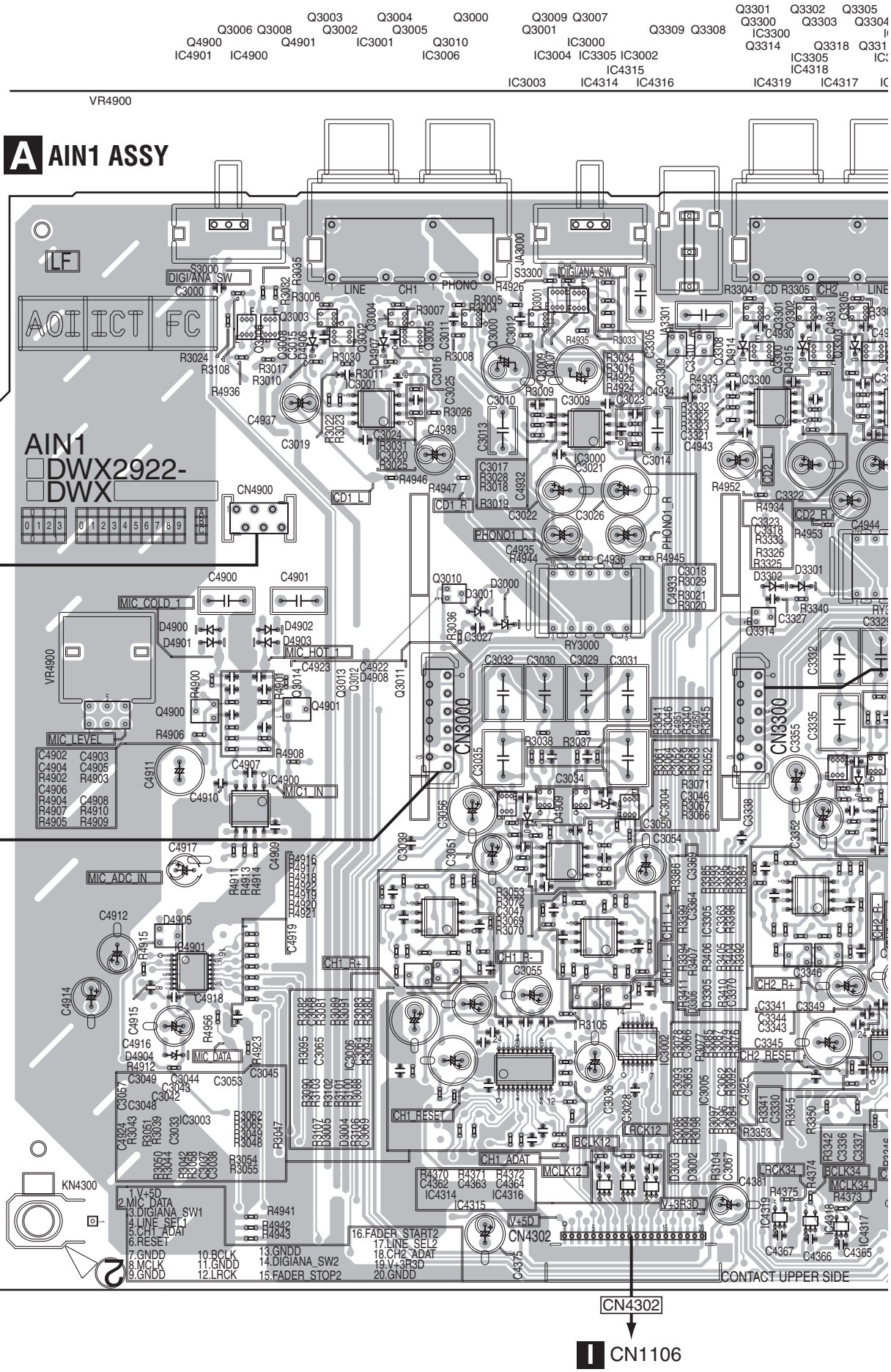
1. The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

2. View point of PCB diagrams.



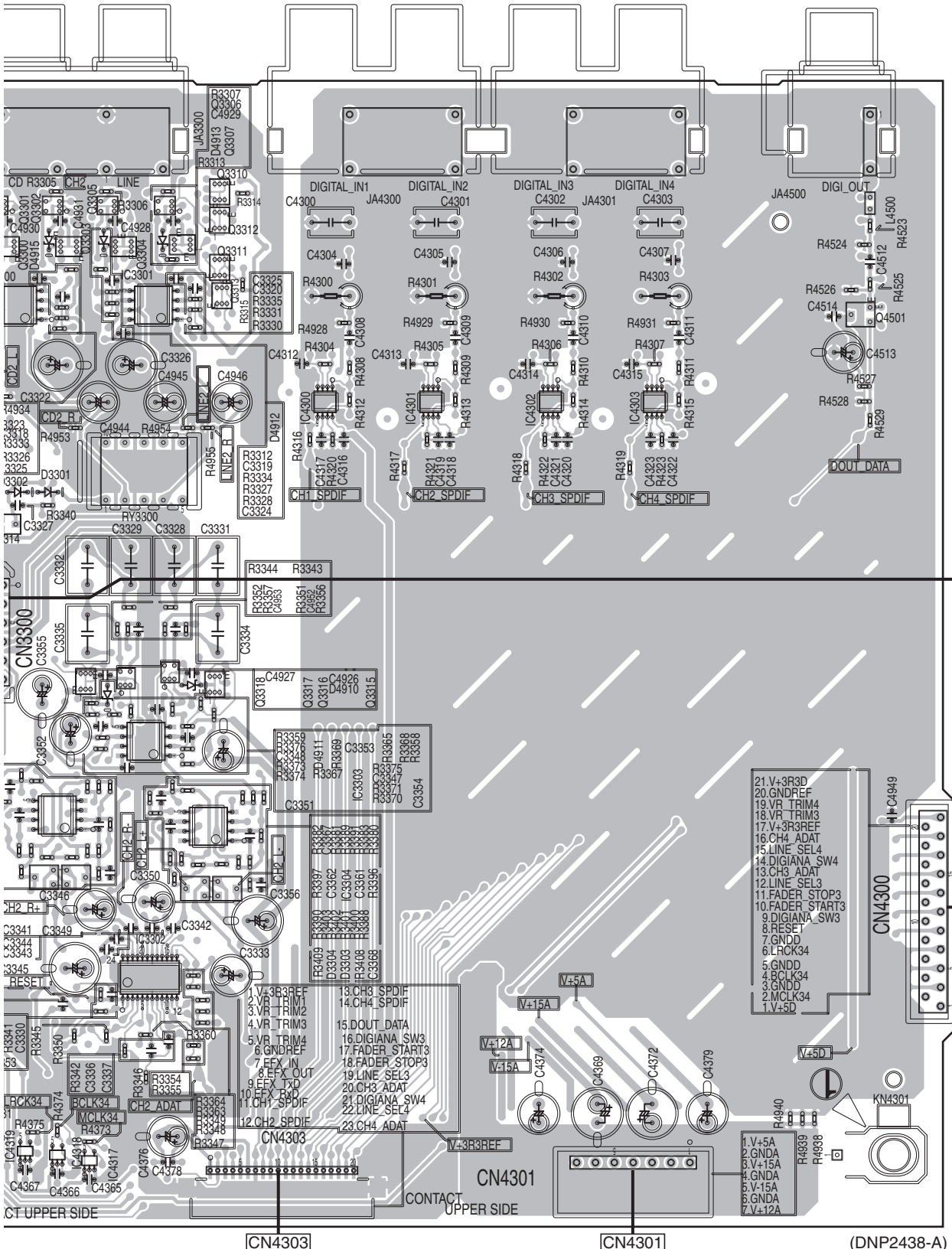
11.1 AIN1 ASSY

SIDE A



SIDE A

01 Q3302 Q3305 Q3306
300 Q3303 Q3304 Q3307
C3300 IC3301 Q3310-Q3313
3314 Q3318 Q3317 Q3316 Q3315 IC4300 IC4301 IC4302 IC4303 Q4501
IC3305 IC3303 IC3304
IC4318
C4319 IC4317 IC3302



CN3300 → D CN2241

CN4300 → G CN4200

CN4303 → I CN1104

CN4301 → J CN104

(DNP2438-A)

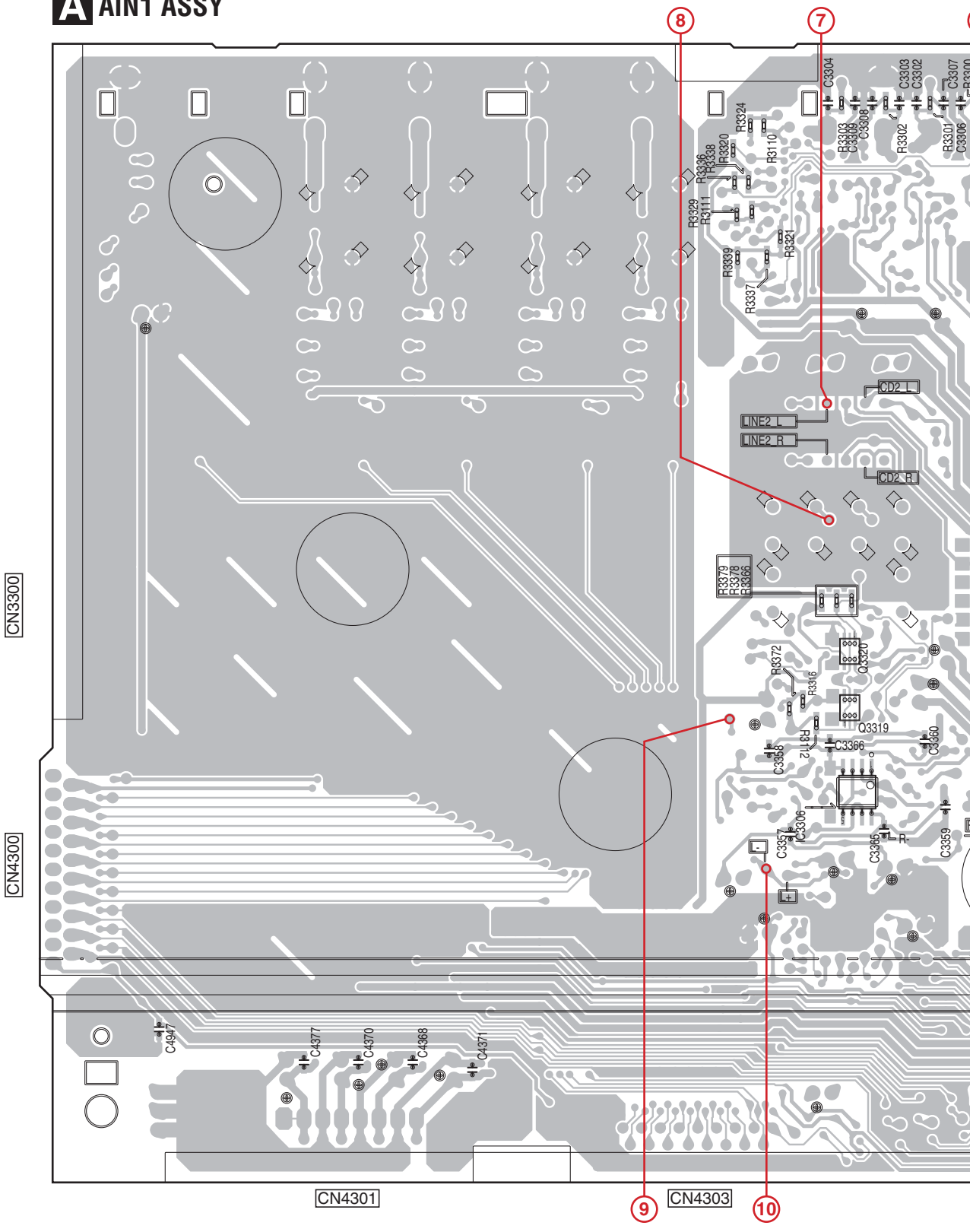
A

DJM-2000

SIDE B

Q3320
Q3319
IC3006

A AIN1 ASSY



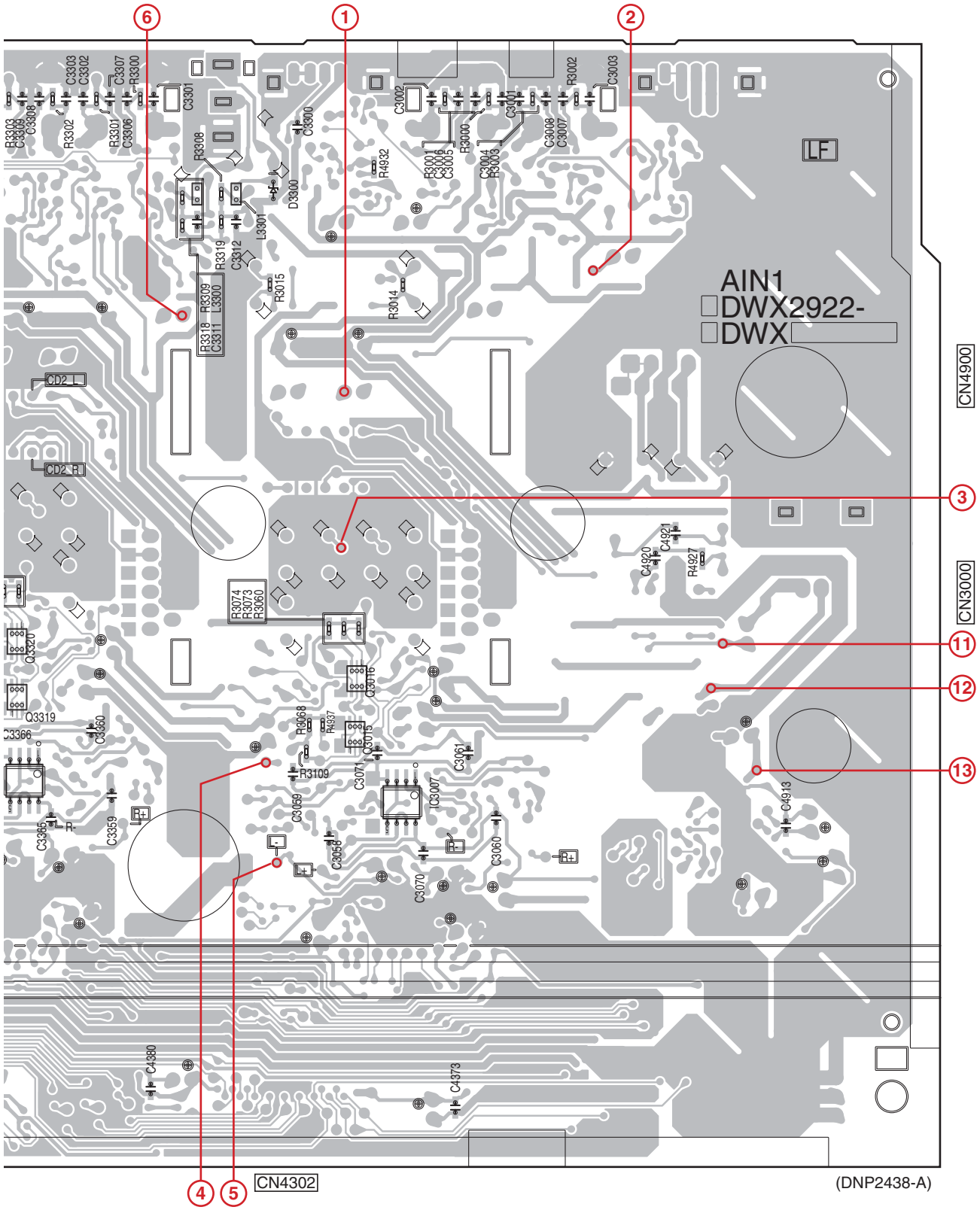
A

SIDE B

NOTE: The encircled numbers denote measuring point.

Q3320
Q3319
IC3006

Q3016
Q3015
IC3007

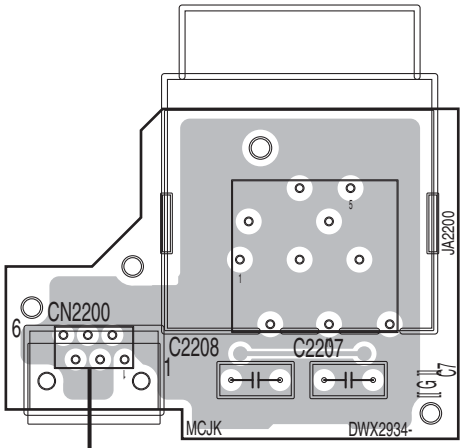


11.2 MCJK, TRIM1 - TRIM4 ASSYS

SIDE A

SIDE A

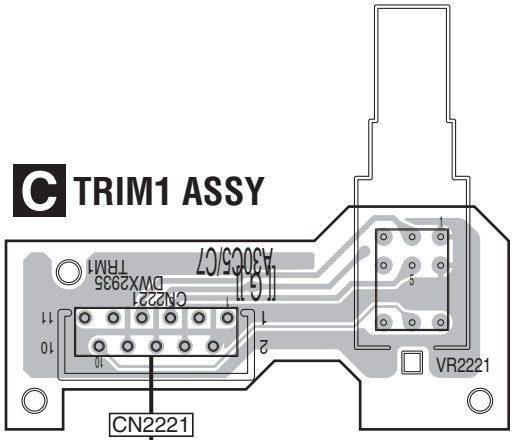
B MCJK ASSY



(DNP2441-A)

A CN4900

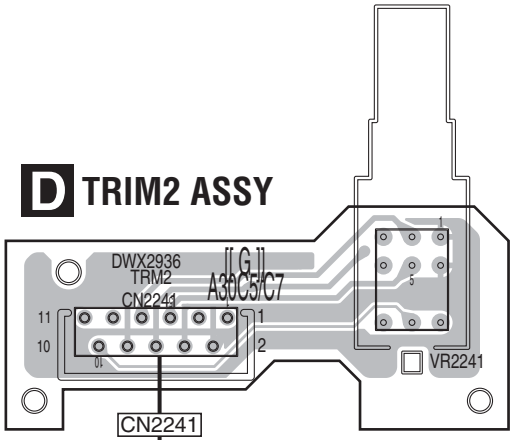
C TRIM1 ASSY



(DNP2438-A)

A CN3000

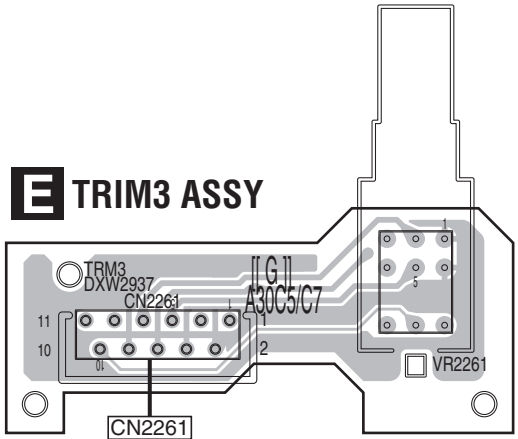
D TRIM2 ASSY



(DNP2438-A)

A CN3300

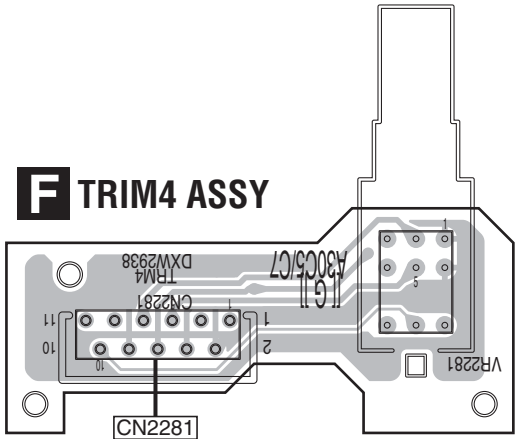
E TRIM3 ASSY



(DNP2606-A)

G CN3600

F TRIM4 ASSY



(DNP2606-A)

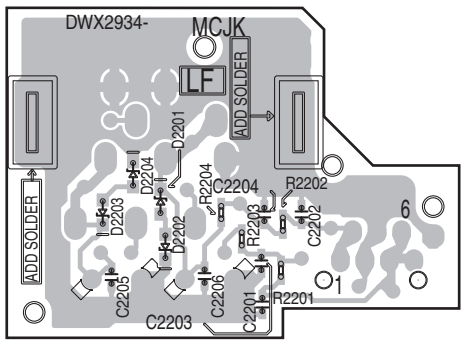
G CN3900

B C D E F

SIDE B

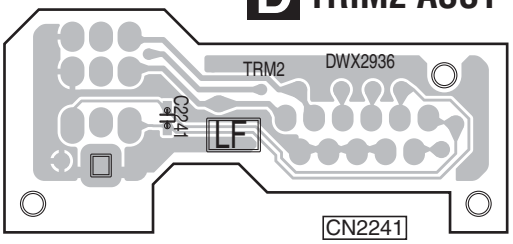
SIDE B

B MCJK ASSY



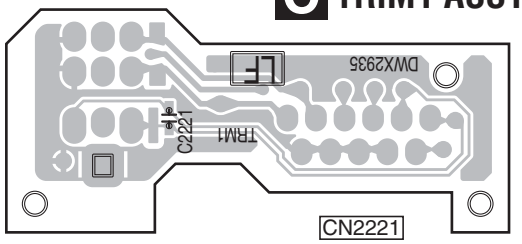
(DNP2441-A) CN2200

D TRIM2 ASSY



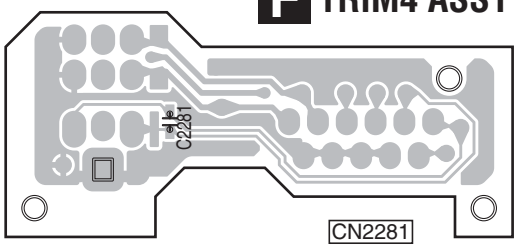
(DNP2438-A)

C TRIM1 ASSY



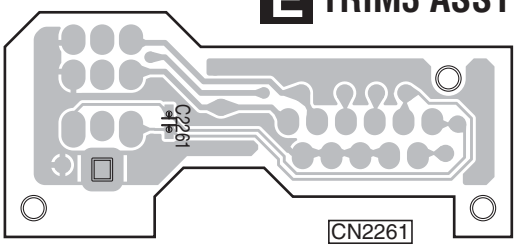
(DNP2438-A)

F TRIM4 ASSY



(DNP2606-A)

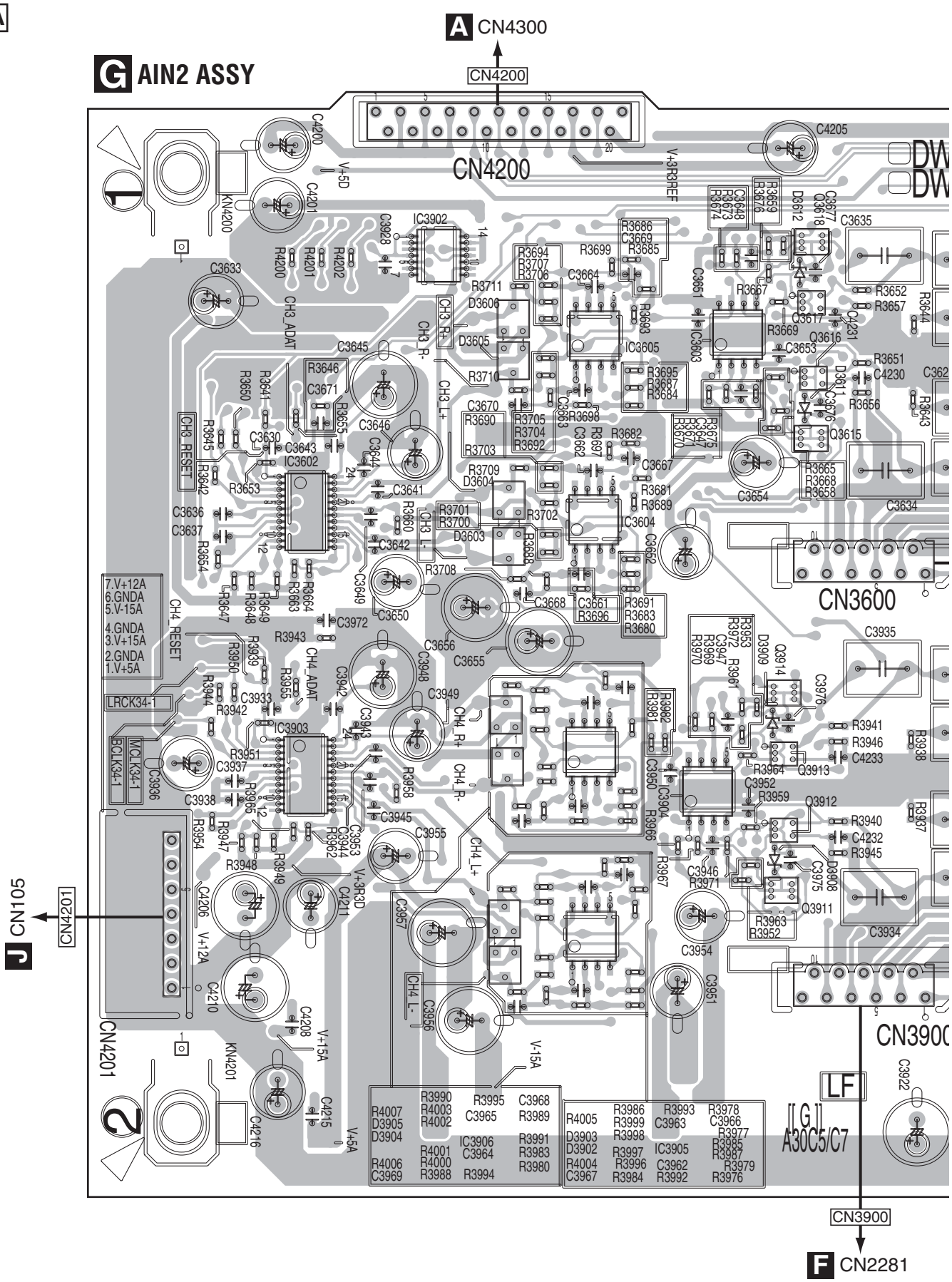
E TRIM3 ASSY



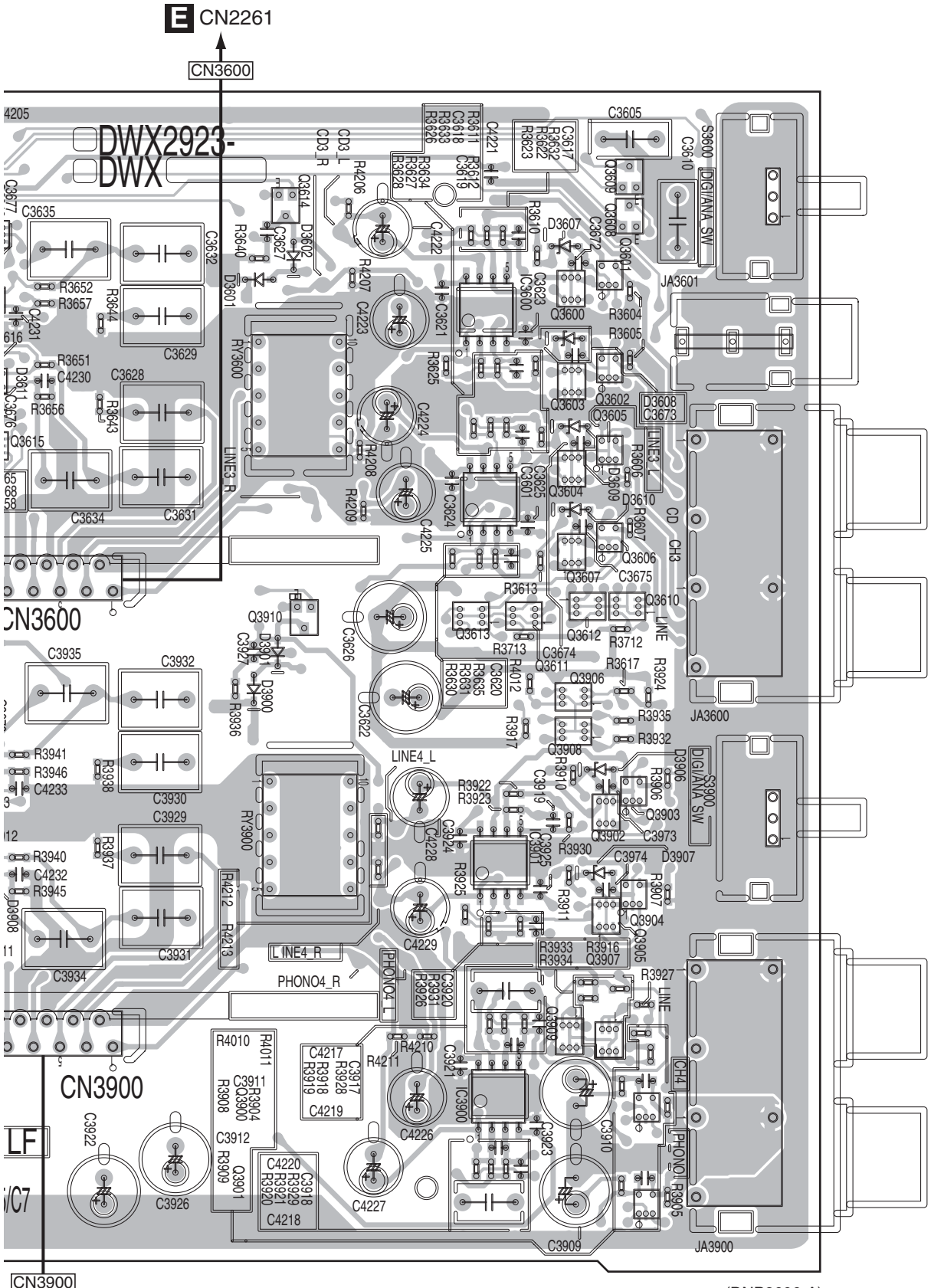
(DNP2606-A)

11.3 AIN2 ASSY

SIDE A

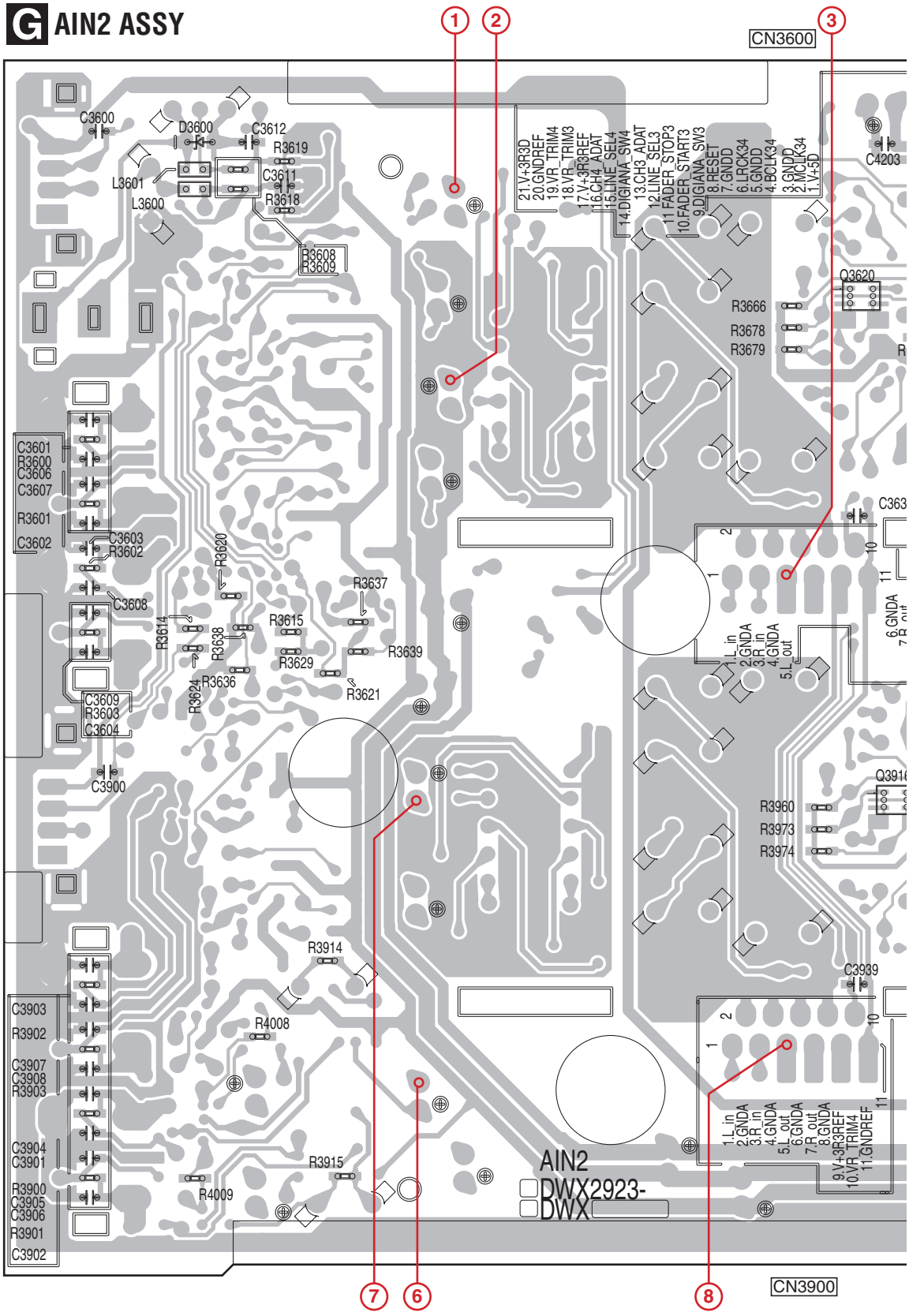


IC3602 IC3902 IC3605 IC3603 Q3615-3618
IC3903 IC3604 IC3904 Q3911-3914
IC3906
IC3905


E CN2261
CN3600
DWX2923-
DWX
CN3600
CN3900
CN3900
F CN2281
(DNP2606-A)
JA3601
JA3600
JA3900
S3600
DIGI/ANA SW
RY3600
RY3900
LINE3_R
LINE3_L
LINE4_L
LINE4_R
PHONO4_R
PHONO4_L
CD
CH3
LINE
CH4
PHONO
Q3614
Q3910
IC3600
IC3601
Q3613 Q3611
IC3901
IC3900
Q3600-3609
Q3612 Q3610
Q3900-3909

SIDE B

G AIN2 ASSY

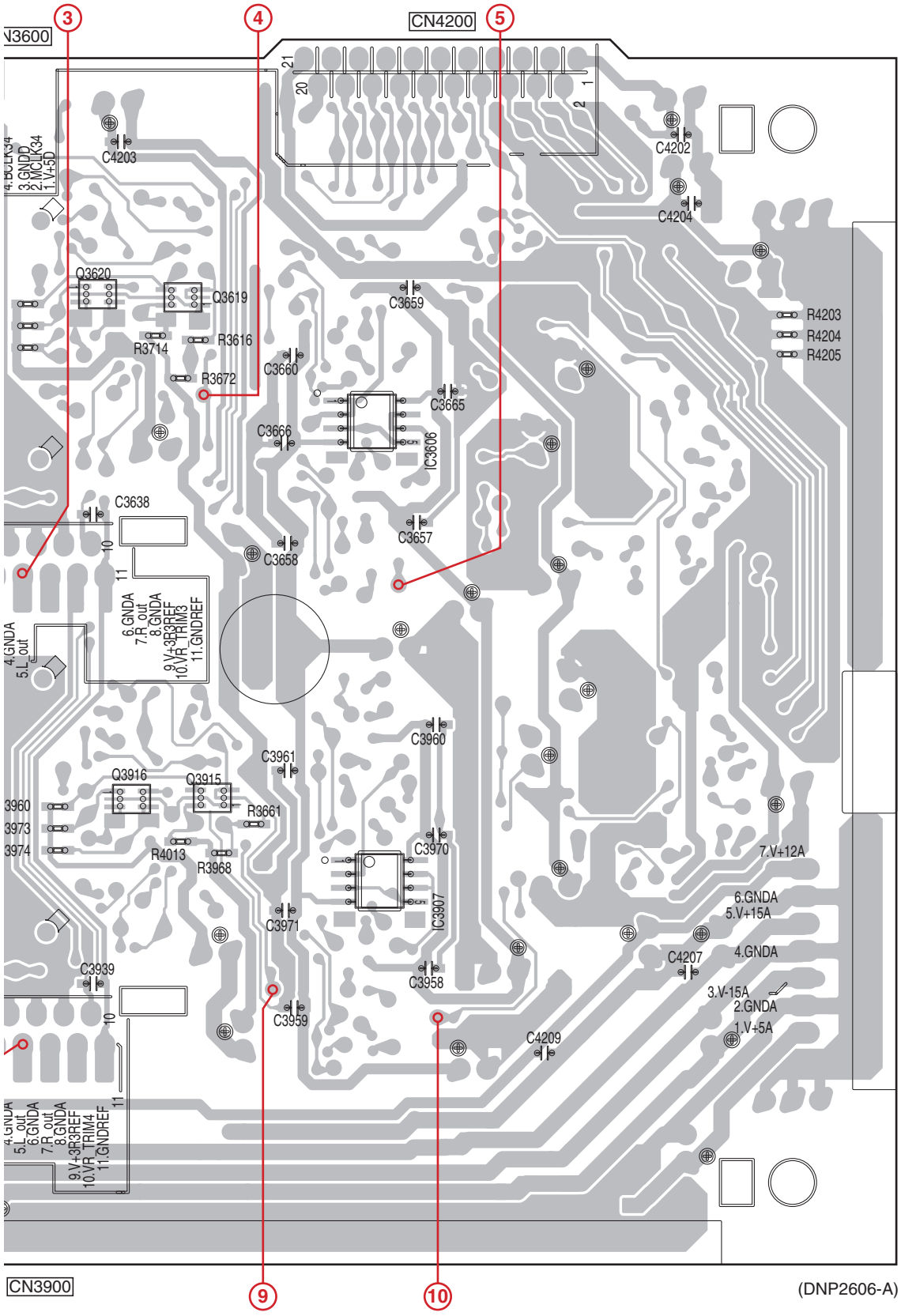


Q3620

Q3916

NOTE: The encircled numbers denote measuring point.

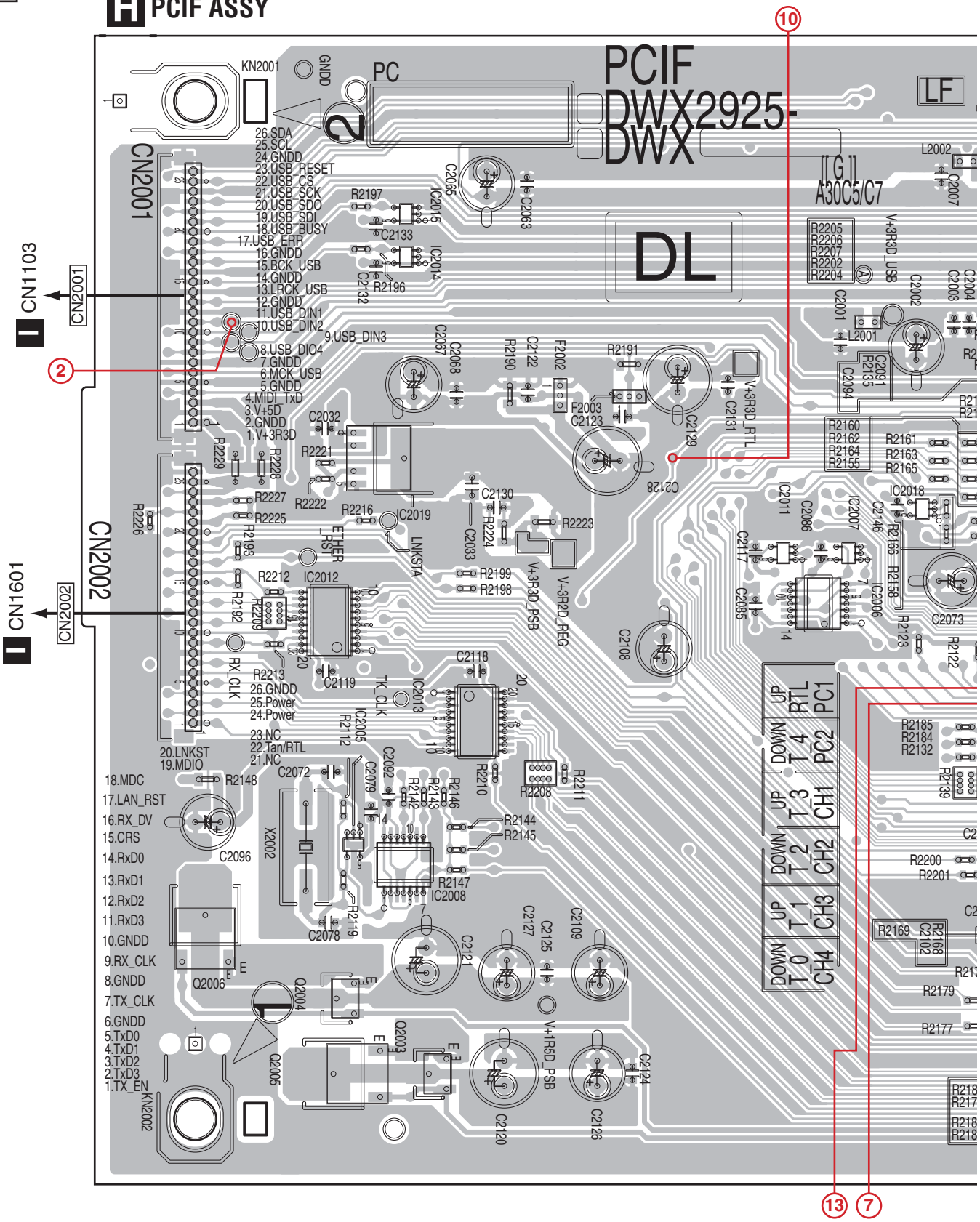
SIDE B



Q3620 Q3619 IC3606
Q3916 Q3915 IC3907

11.4 PCIF ASSY

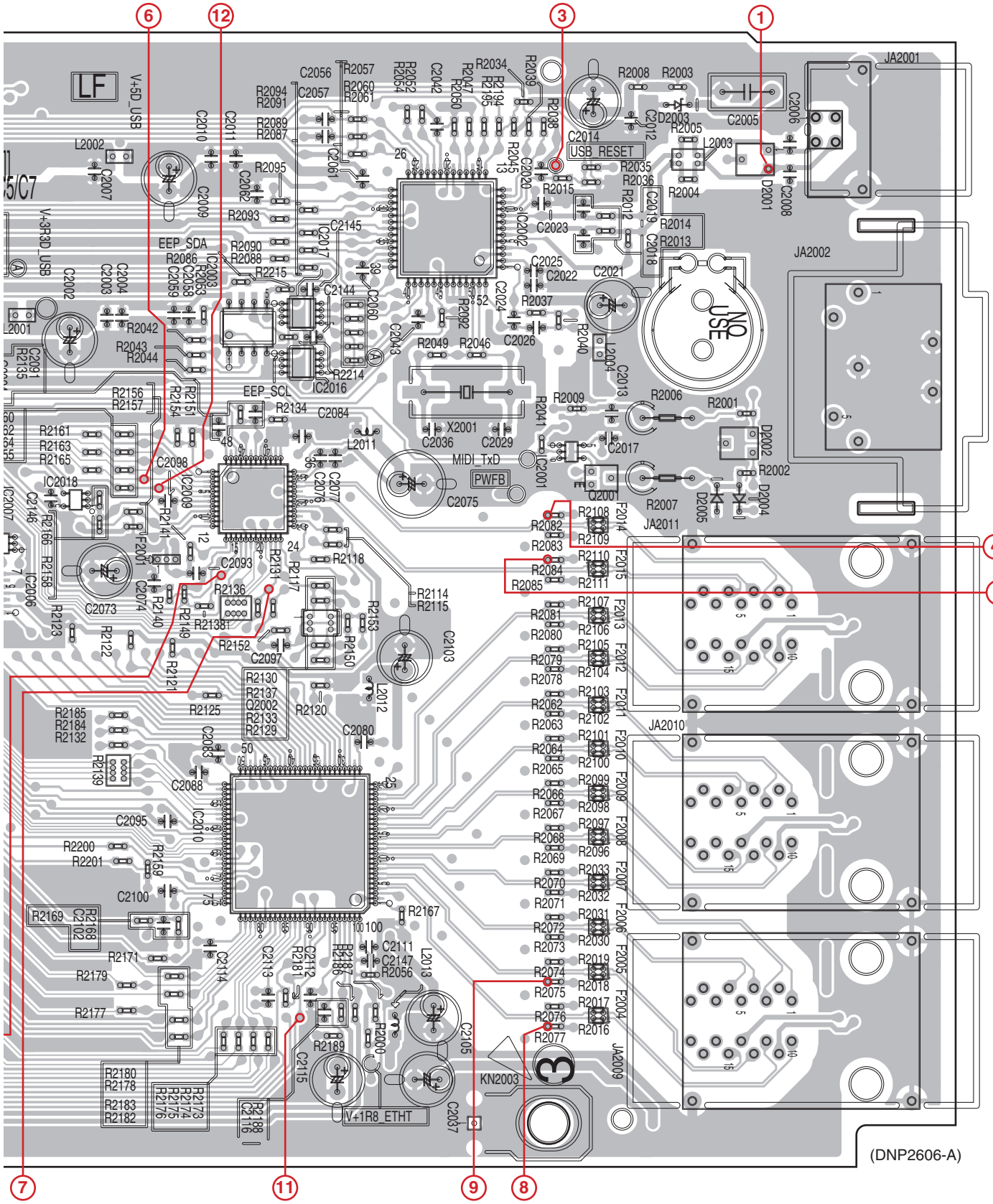
SIDE A



IC2012 IC2015 IC2013 IC2011 IC2007 IC2018
IC2005 IC2014 IC2006
Q2004 IC2019
Q2006 Q2005 IC2008 Q2003

NOTE: The encircled numbers denote measuring point.

SIDE A



007 IC2018

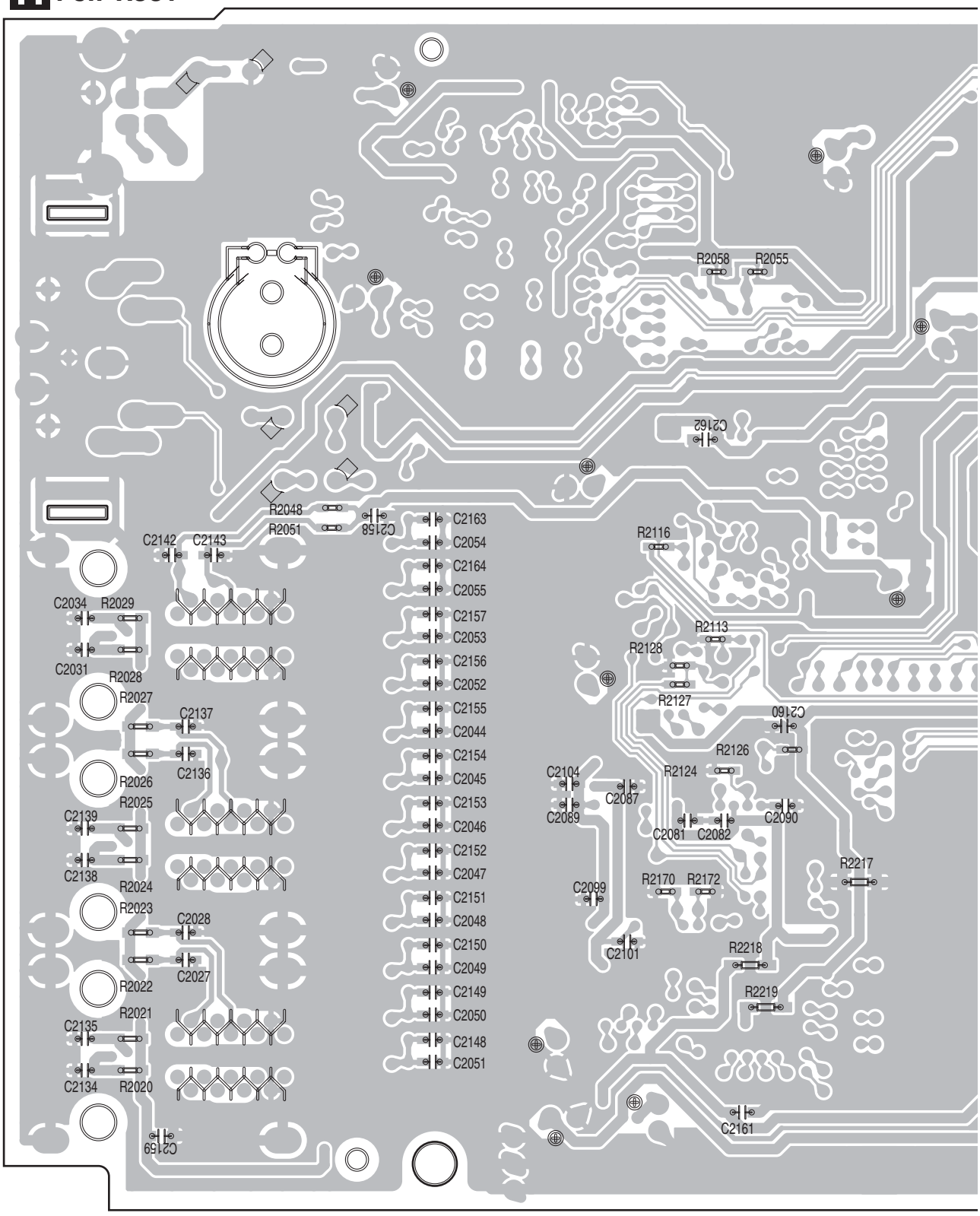
IC2003 IC2017 IC2002 IC2001
IC2009 IC2016 Q2001
Q2002
IC2010

DJM-2000

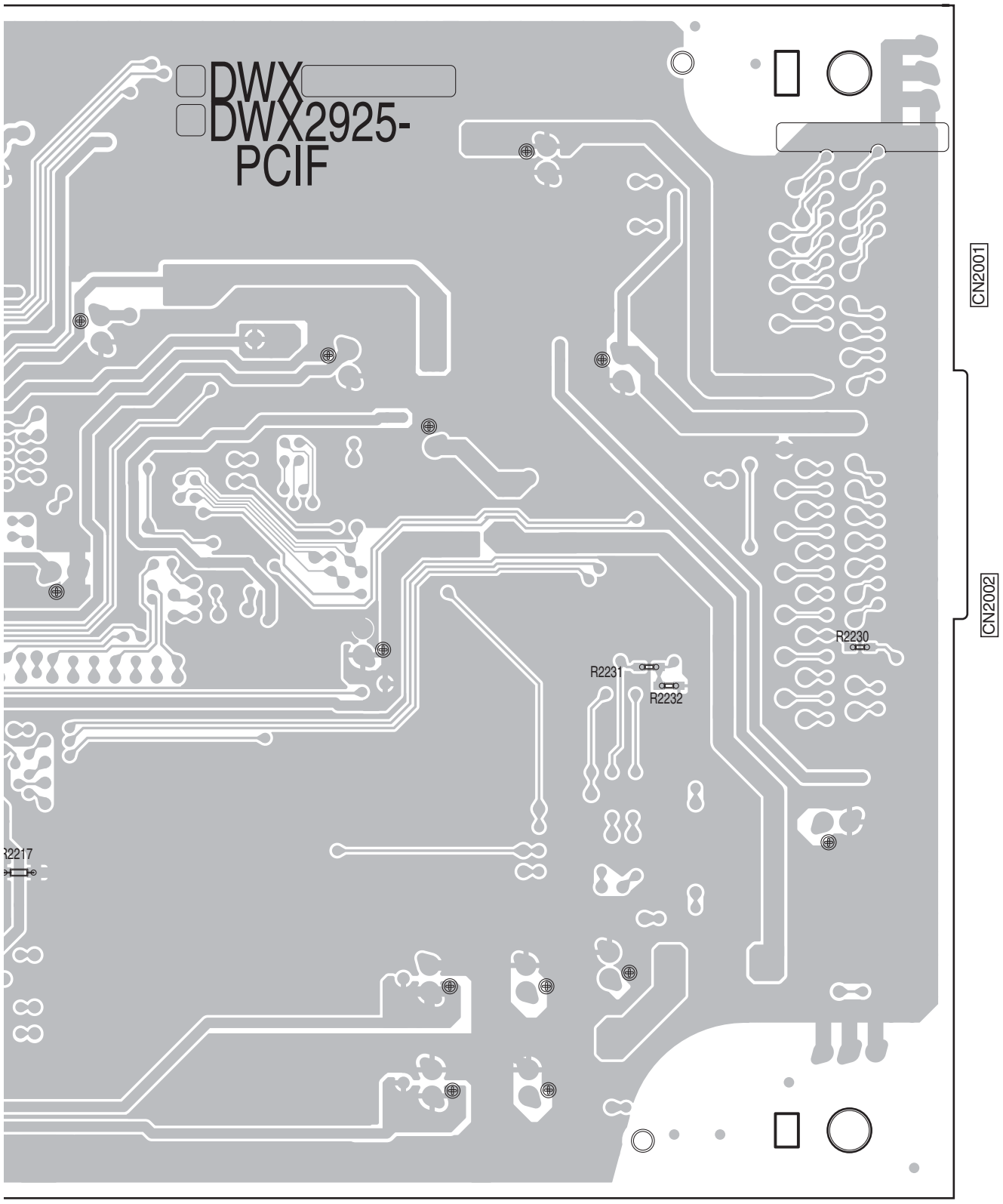
183

SIDE B

H PCIF ASSY



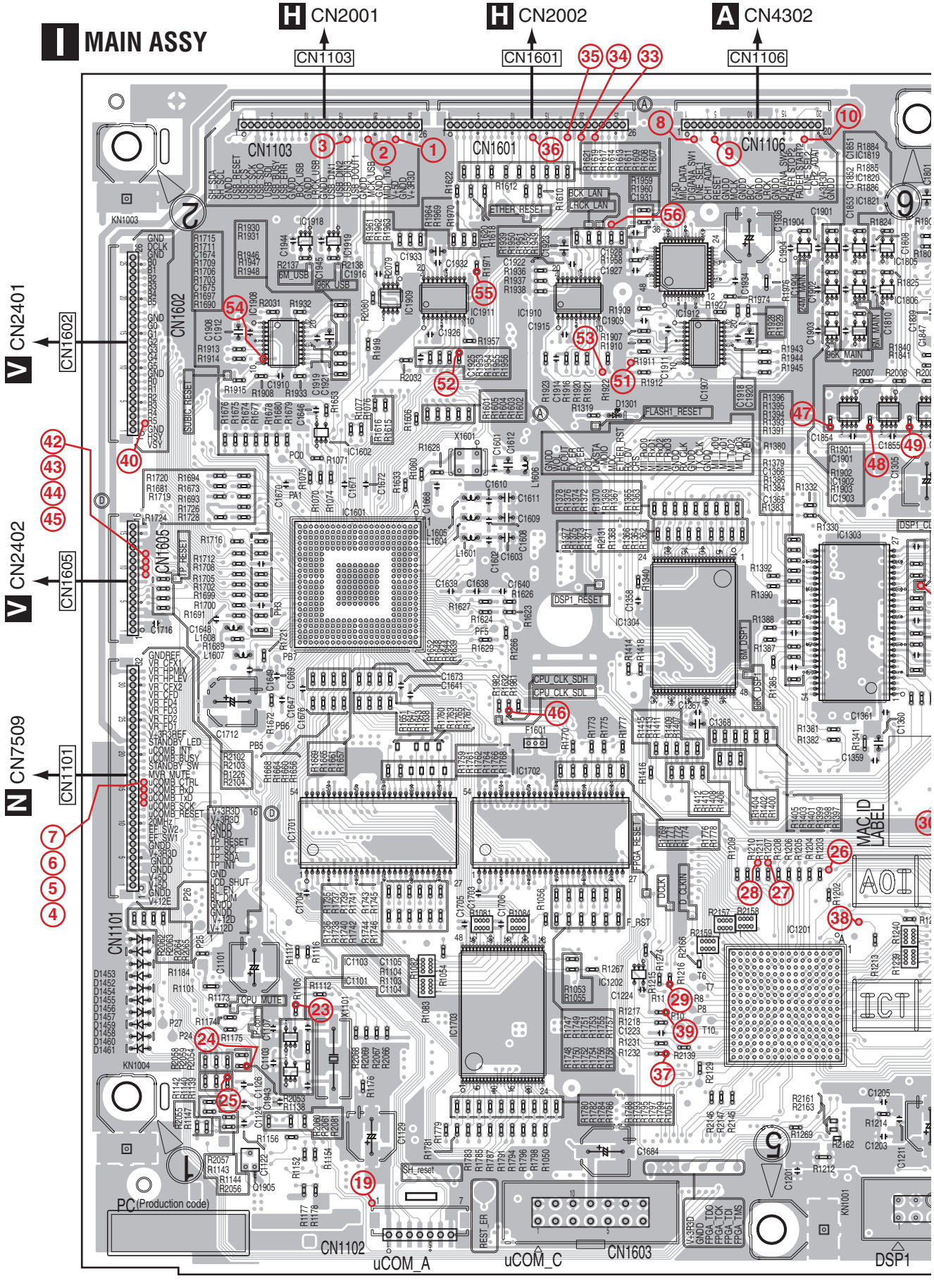
SIDE B



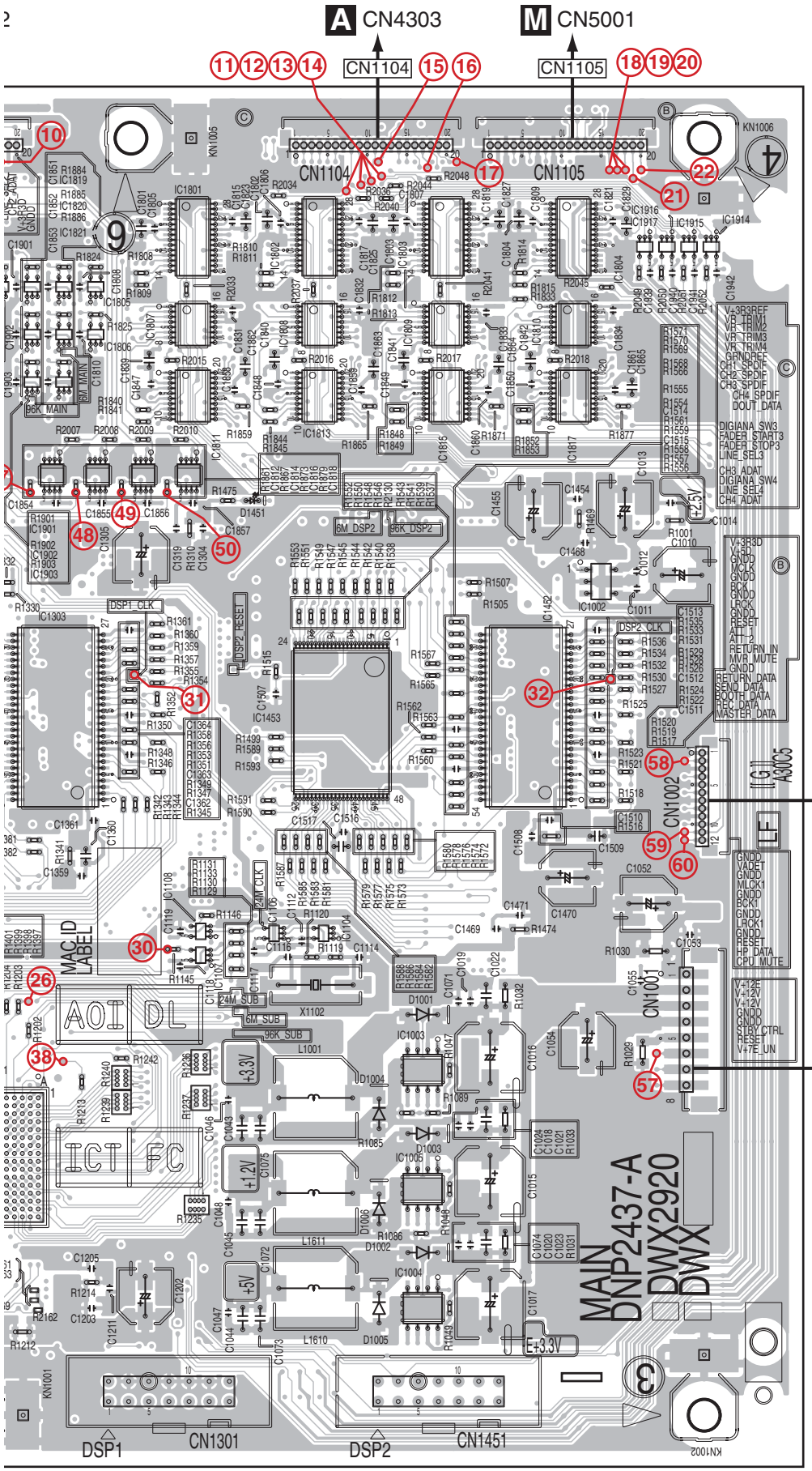
(DNP2606-A)

11.5 MAIN ASSY

SIDE A

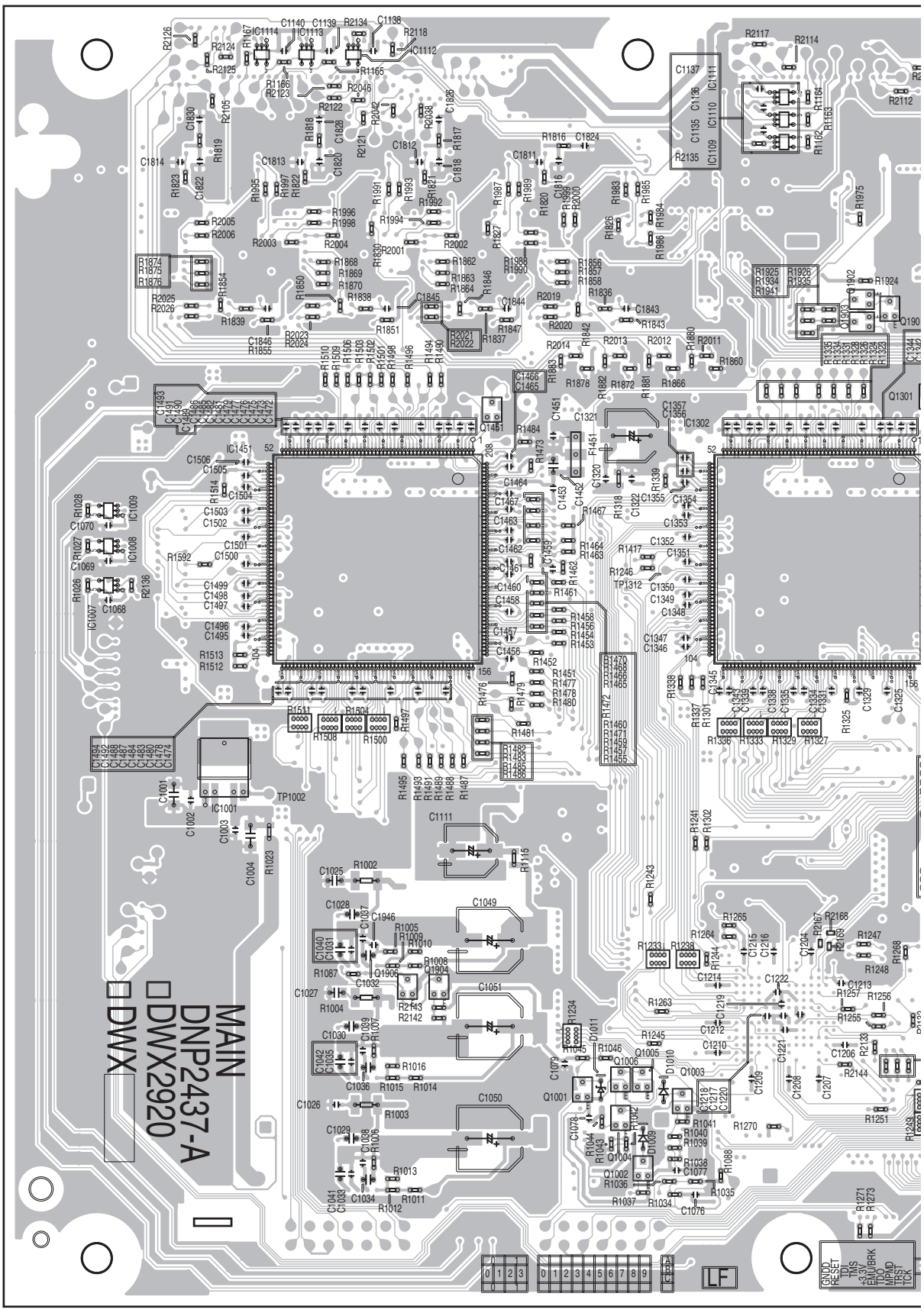


NOTE: The encircled numbers denote measuring point. **SIDE A**

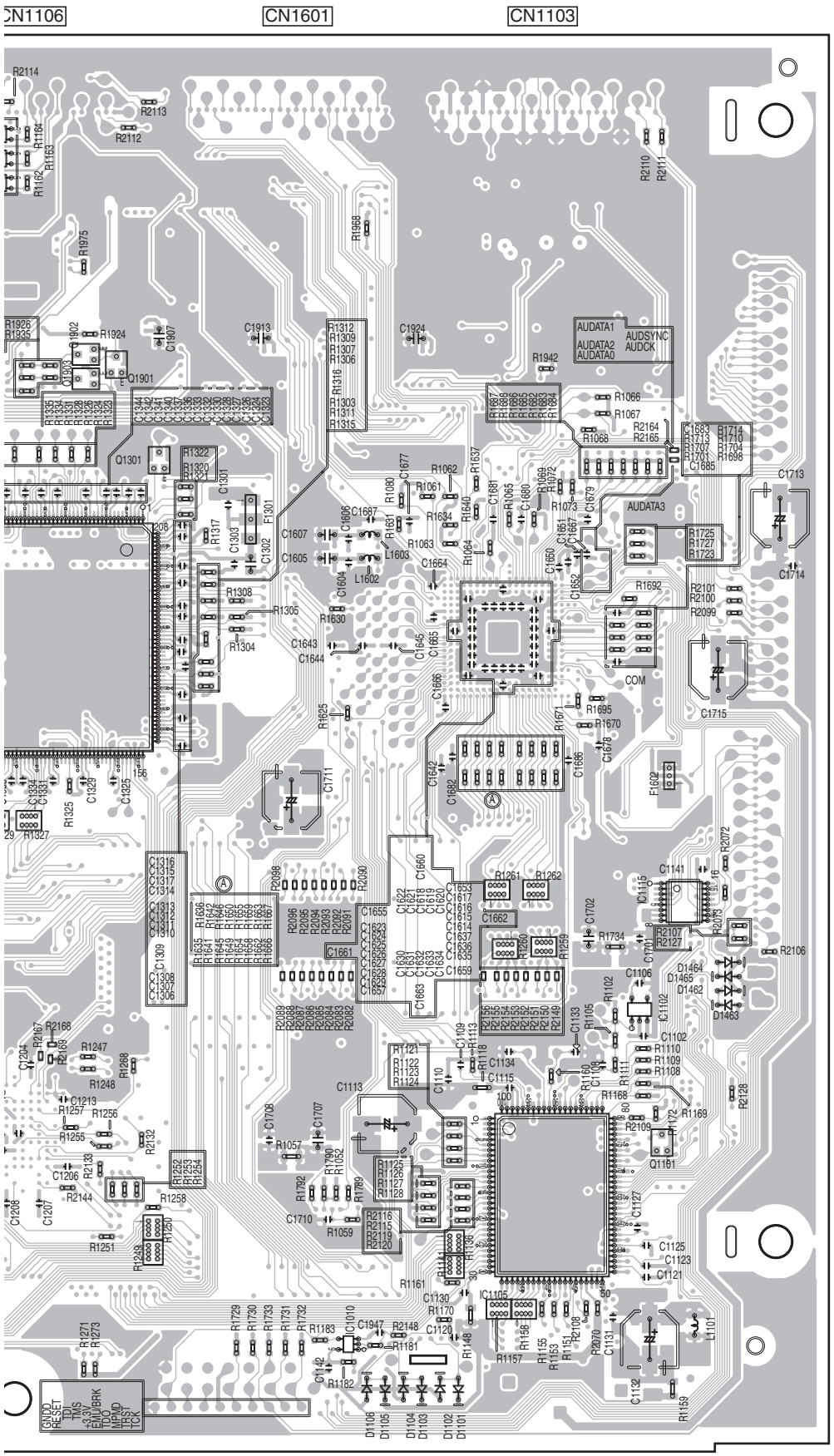


IC1801 IC1802 IC1914
IC1803 IC1804 IC1917
IC1918 IC1919 IC1901 IC1805
IC1912 IC1904 IC1807 IC1808 IC1809
IC1909 IC1911 IC1910 IC1819 IC1806 IC1810
IC1821
IC1908 IC1907 IC1811 IC1813 IC1815 IC1817
IC1812 IC1814 IC1816 IC1818 IC1602
IC1002
IC1601
IC1303 IC1453 IC1452 IC1304
IC1108 IC1106 IC1104
IC1701 IC1702 IC1107
IC1003
IC1703 IC1202 IC1201
IC1005
IC1103
IC1101
IC1004
Q1905

MAIN ASSY


CN1105
CN1104
CN1106
CN1002
CN1001
MAIN
DNP2437-A
DWX2920
DWX
LF

SIDE B

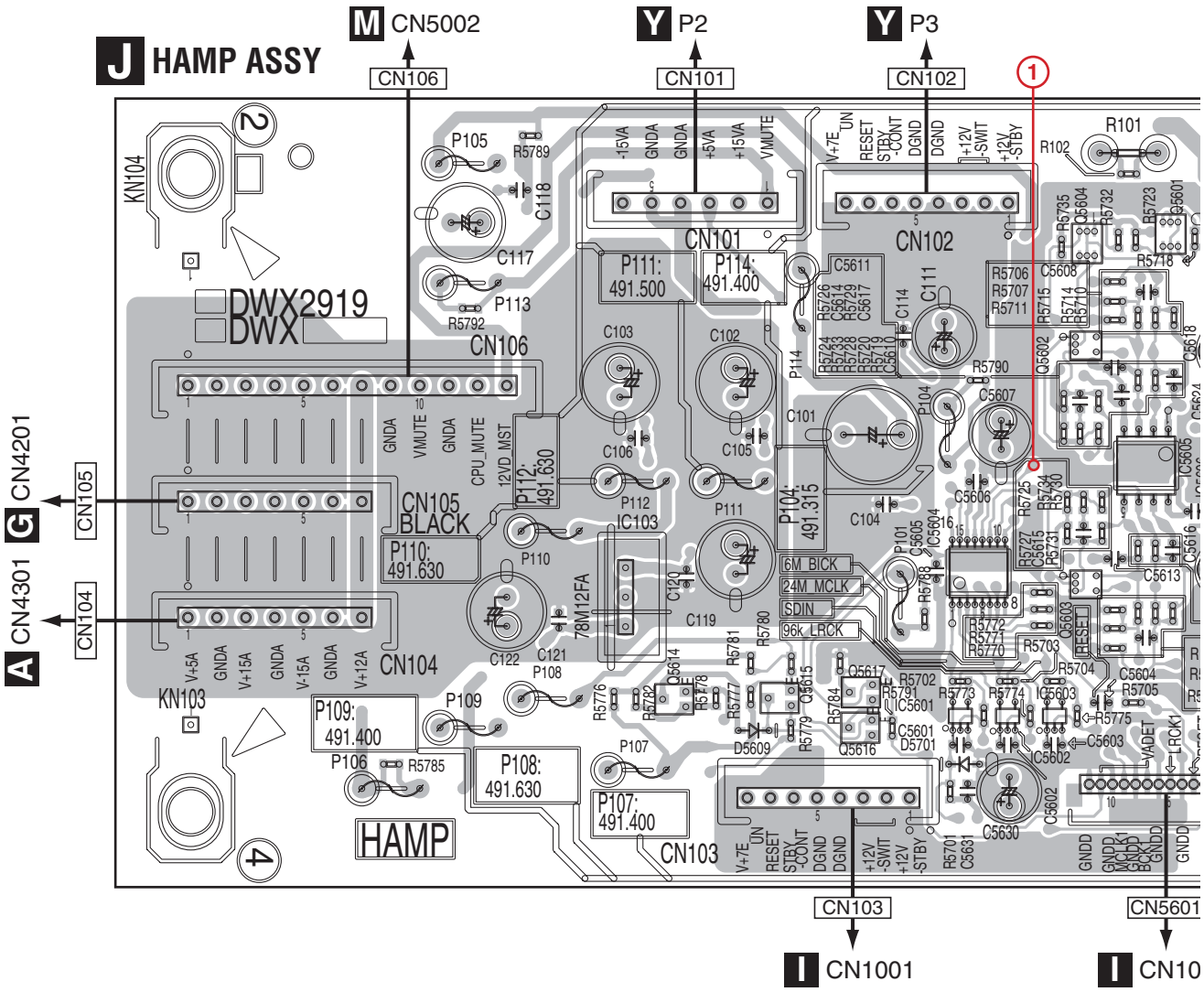


IC1112
IC1113
IC1114
IC1111
IC1110
IC1109
Q1902
Q1901
Q1903
Q1301
IC1009
IC1008 IC1451
IC1302
IC1007
IC1001
IC1115
IC1102
IC1906
IC1904
Q1101
IC1105
Q1006
Q1005
Q1001 Q1003
Q1004
Q1002
IC1010

(DNP2437-A)

11.6 HAMP, HREG and HPJK ASSYS

SIDE A


J HAMP ASSY
M CN5002
CN106
Y P2
CN101
Y P3
CN102
DWX2919
DWX
HAMP
CN105 BLACK
CN104
CN103
CN101
CN102
G CN4201
CN105
A CN4301
CN104
CN103
CN5601
I CN1001
I CN10
KN104
KN103
P105
P106
P107
P108
P109
P110
P111
P112
P113
P114
P101
P104
P107
P108
P109
P110
P111
P112
P114
P111: 491.500
P114: 491.400
P112: 491.630
P110: 491.630
P109: 491.400
P108: 491.630
P107: 491.400
P104: 491.315
IC103
78M12FA
C101
C102
C103
C104
C105
C106
C111
C114
C117
C118
C119
C120
C121
C122
R101
R102
R5789
R5790
R5792
R5785
R5780
R5781
R5782
R5776
R5777
R5778
R5779
R5784
R5788
C5607
C5611
C5613
C5630
C5631
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C5608
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C5612
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C5617
C5618
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Q5615
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R5770
R5771
R5772
R5773
R5774
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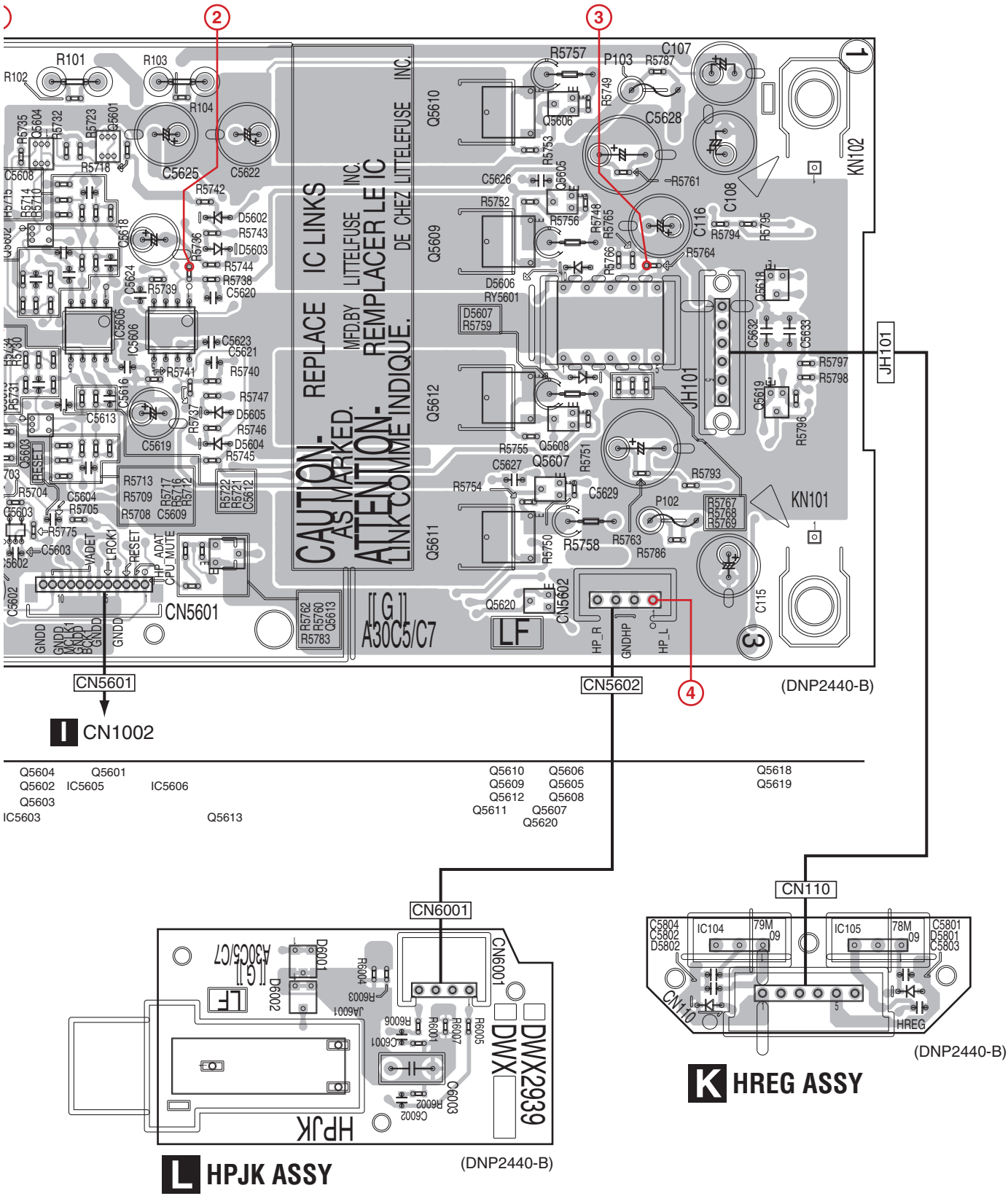
R5791
Q5601
Q5602
Q5603
Q5604
Q5614
Q5615
Q5616
Q5617
D5609
D5701
IC5601
IC5602
IC5603
IC5604
IC5605
IC103
78M12FA
P101
P102
P103
P104
P105
P106
P107
P108
P109
P110
P111
P112
P113
P114
C101
C102
C103
C104
C105
C106
C107
C108
C109
C110
C111
C112
C113
C114
C115
C116
C117
C118
C119
C120
C121
C122
R101
R102
R103
R104
R105
R106
R107
R108
R109
R110
R111
R112
R113
R114
R115
R116
R117
R118
R119
R120
R121
R122
R123
R124
R125
R126
R127
R128
R129
R130
R131
R132
R133
R134
R135
R136
R137
R138
R139
R140

SIDE A

NOTE: The encircled numbers denote measuring point.



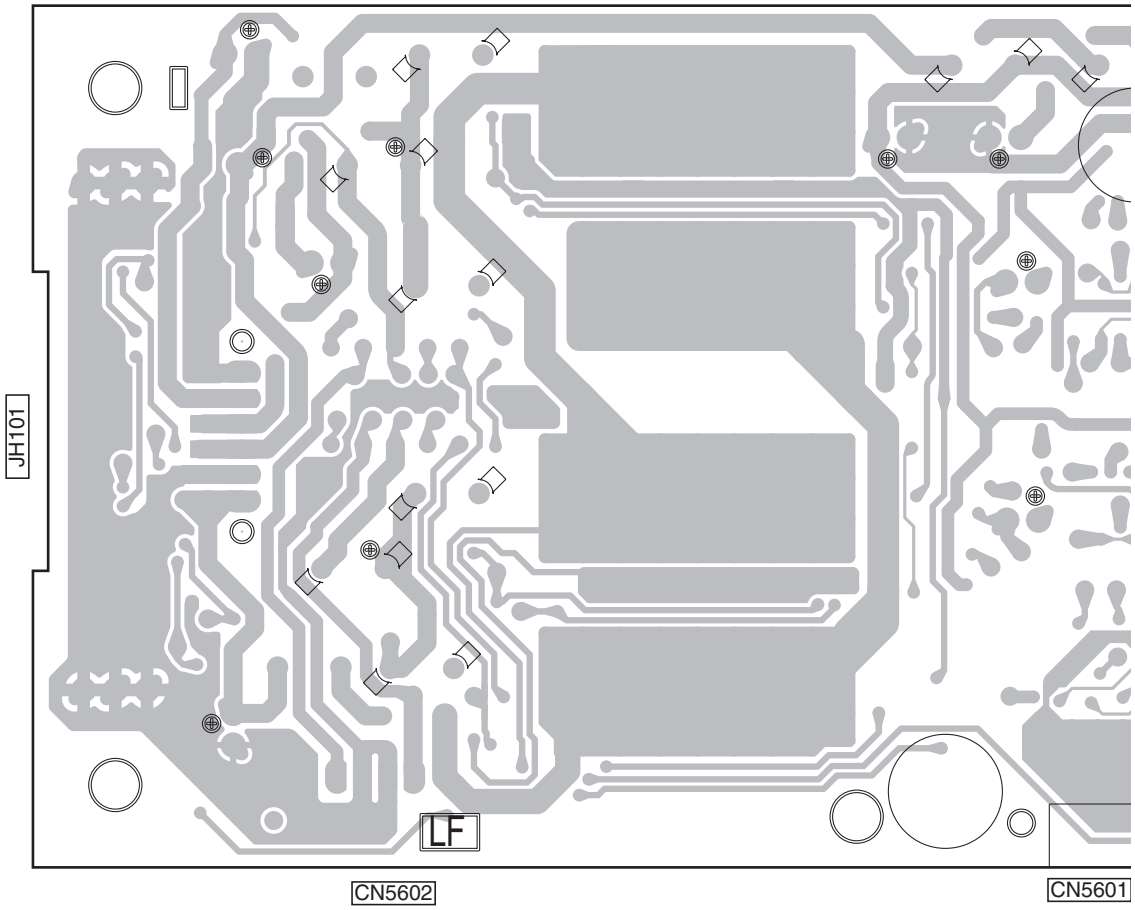
I CN1002

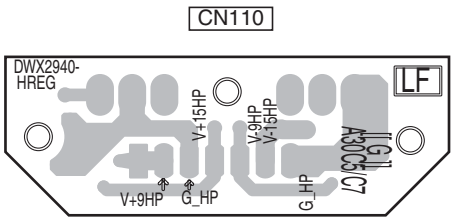
K HREG ASSY

L HPJK ASSY

SIDE B

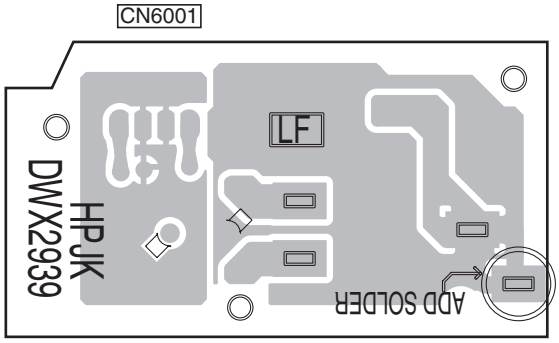
J HAMP ASSY





(DNP2440-B)

K HREG ASSY

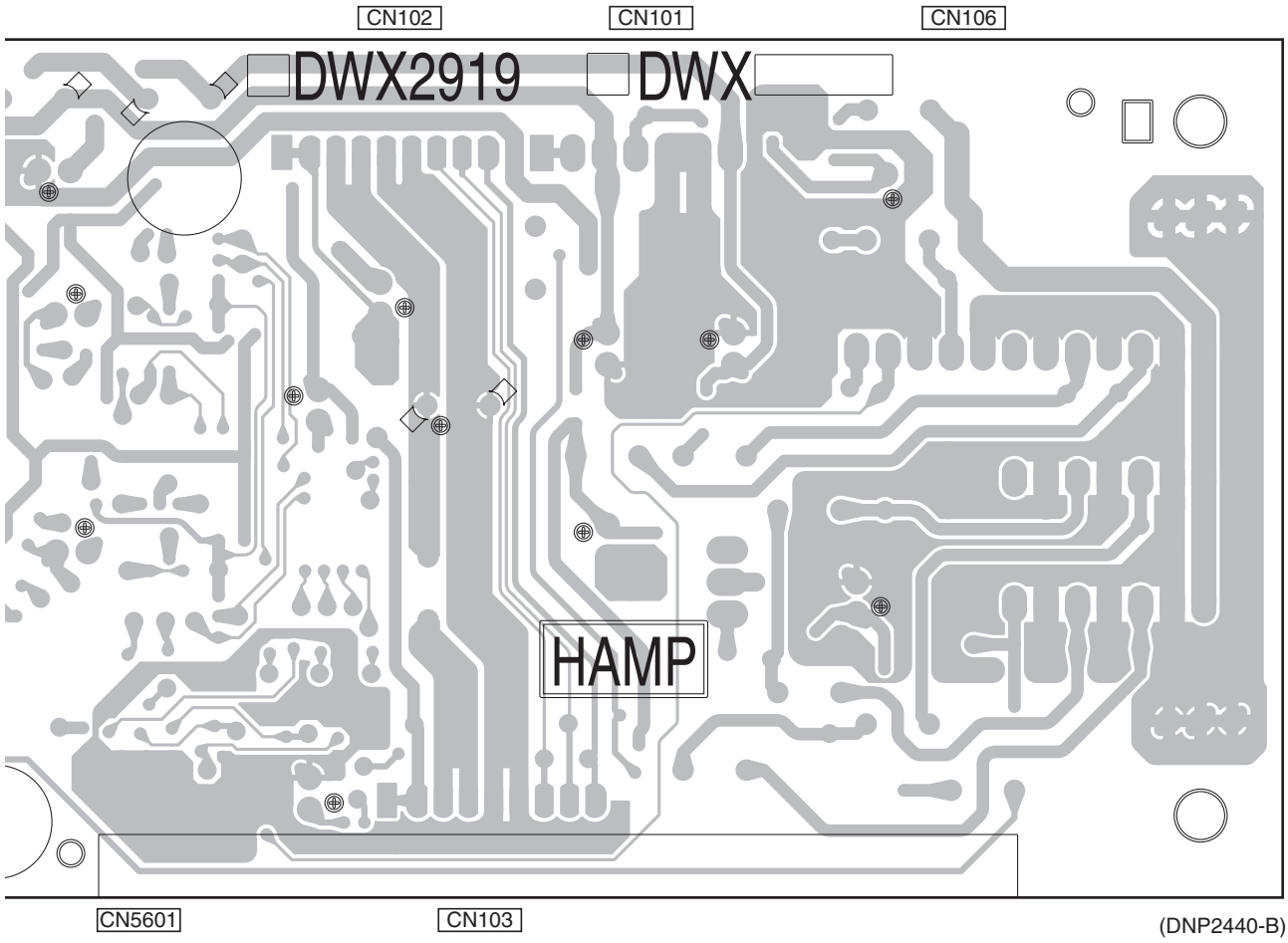


(DNP2440-B)

L HPJK ASSY

J K L

SIDE B

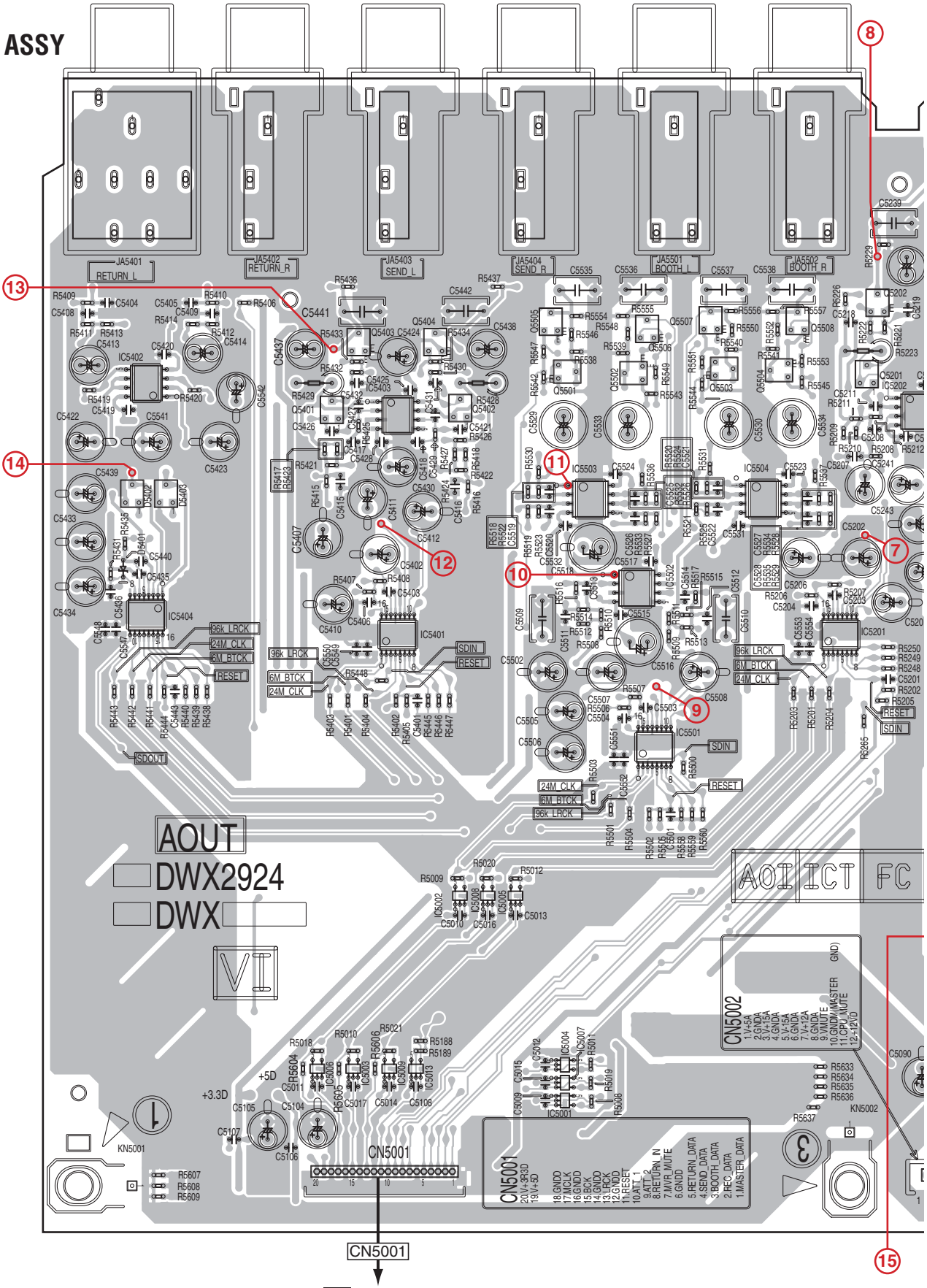

CN102
CN101
CN106
DWX2919
DWX
HAMP
CN105
CN104
CN5601
CN103
(DNP2440-B)

440-B)

11.7 AOUT ASSY

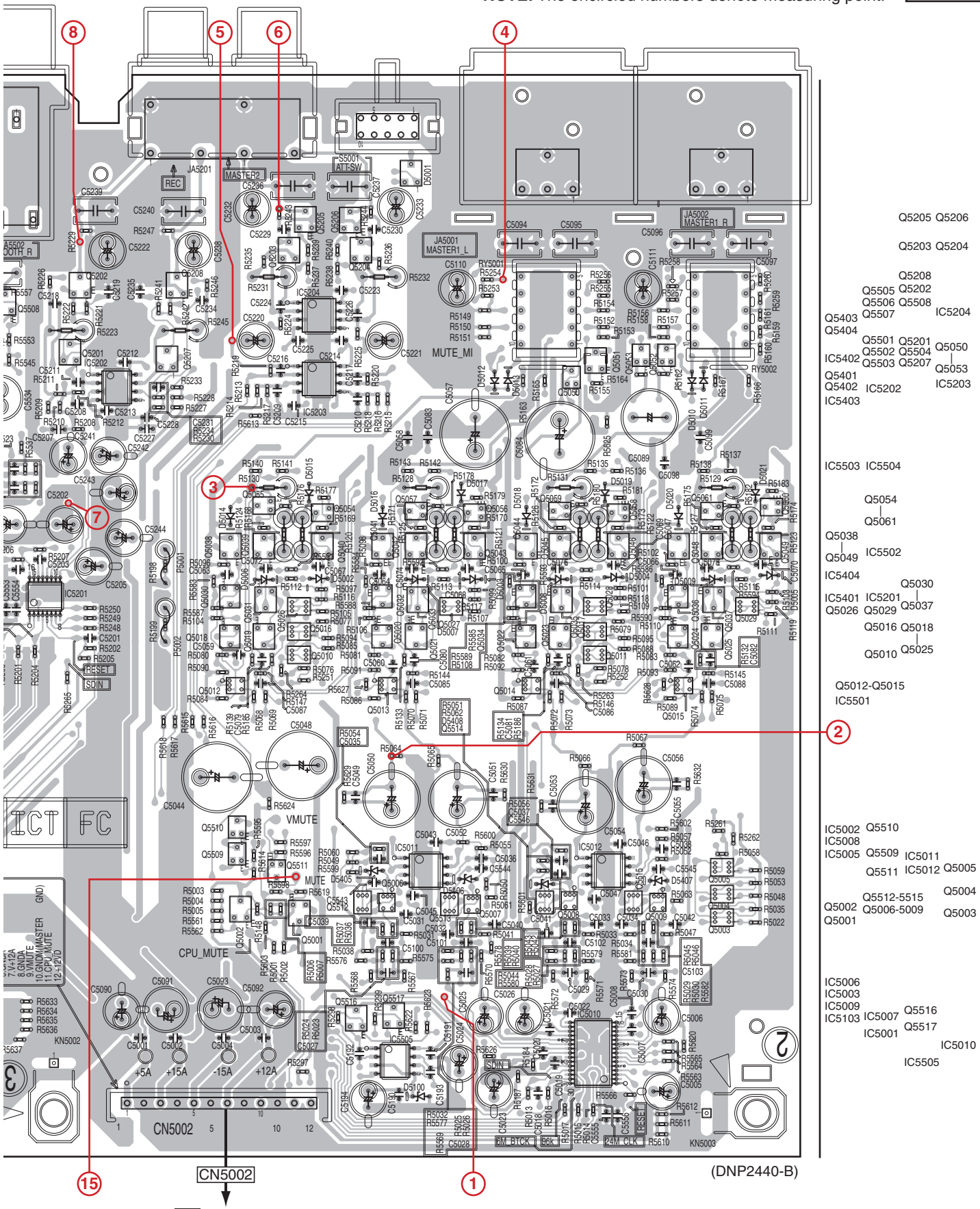
SIDE A

M AOUT ASSY



NOTE: The encircled numbers denote measuring point.

SIDE A



SIDE B

A

B

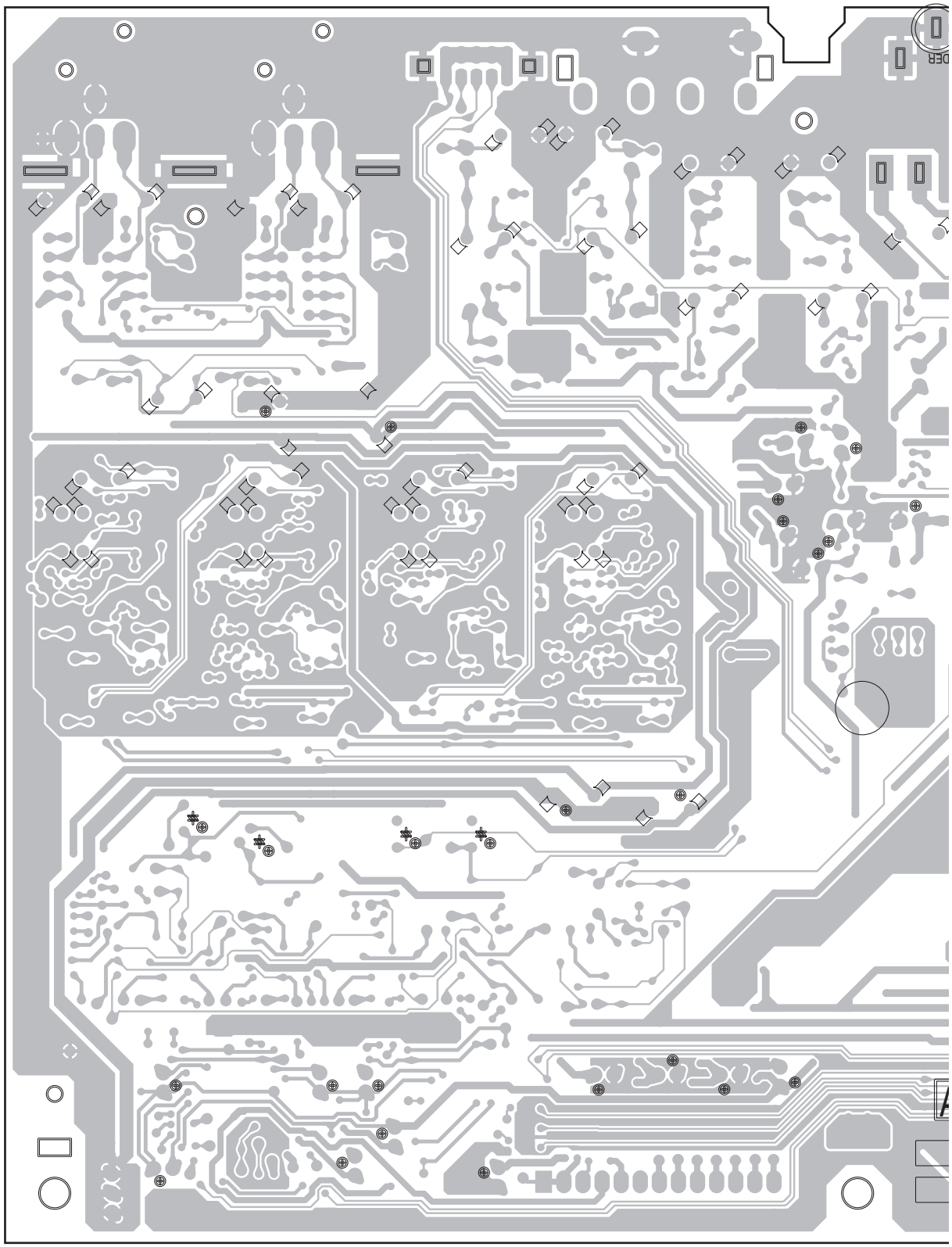
C

D

E

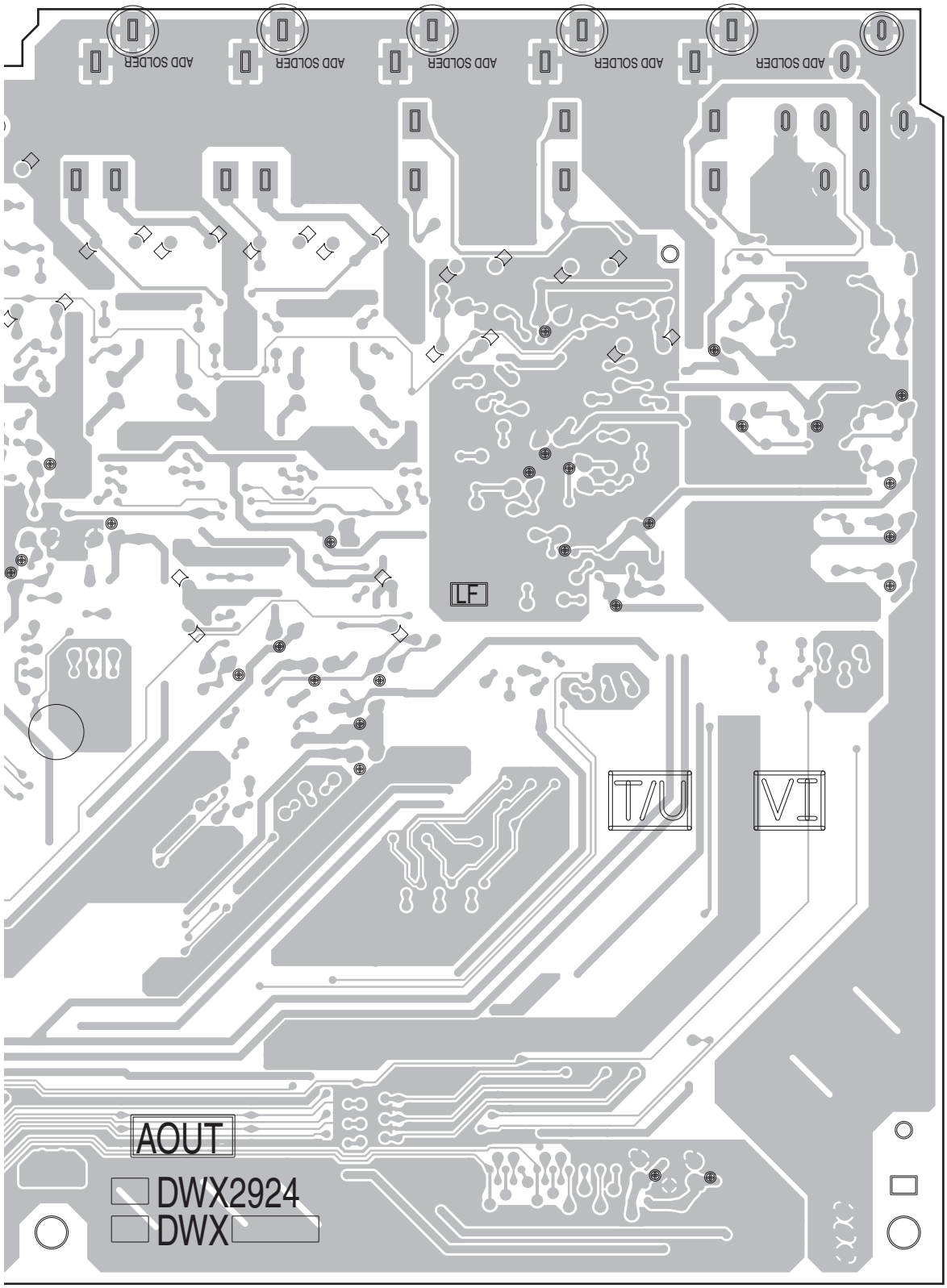
F

M AOUT ASSY



CN5002

SIDE B

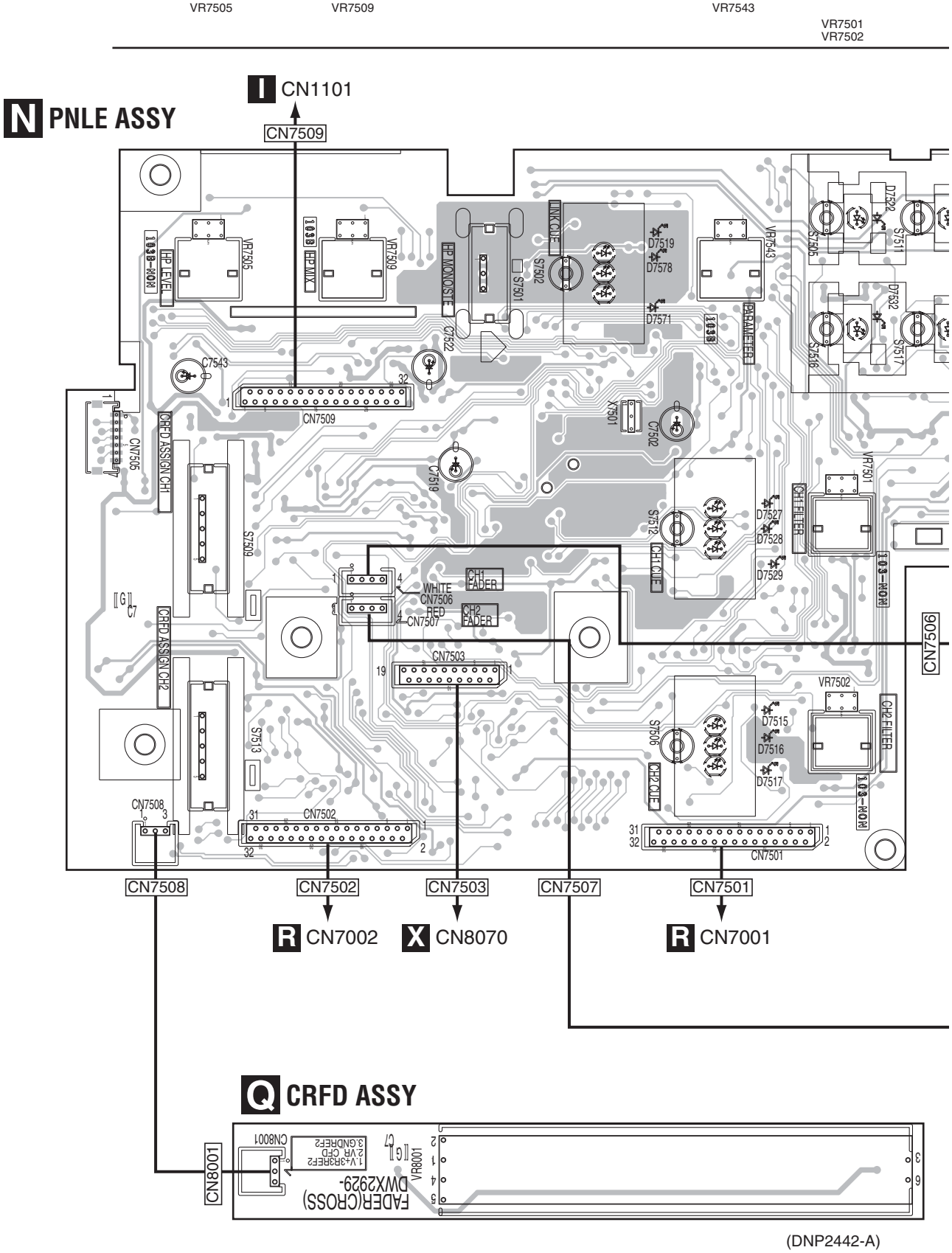


CN5001

(DNP2440-B)

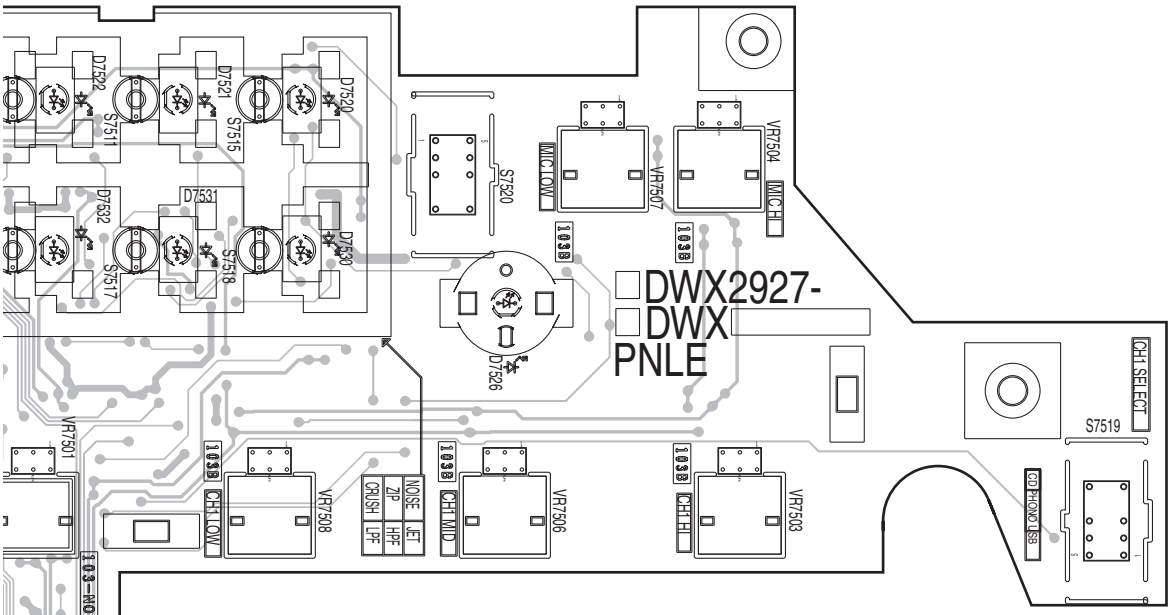
11.8 PNLE, CFD1, CFD2 and CRFD ASSYS

SIDE A

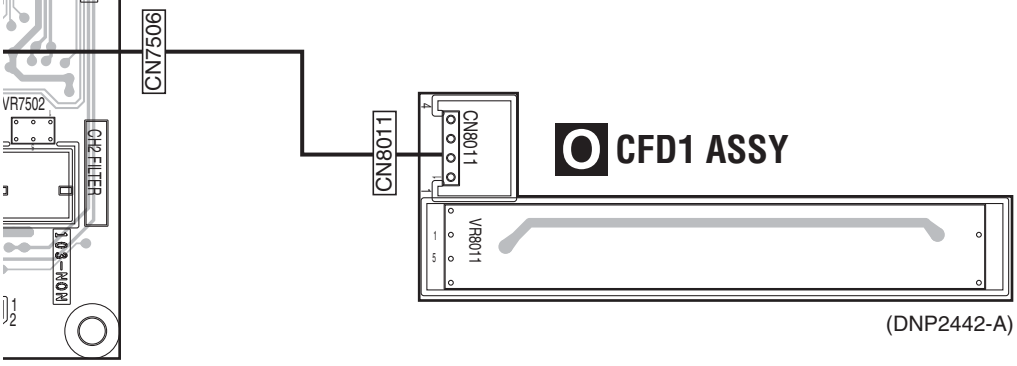


SIDE A

VR7501
VR7502
VR7508
VR7506
VR7507
VR7504
VR7503

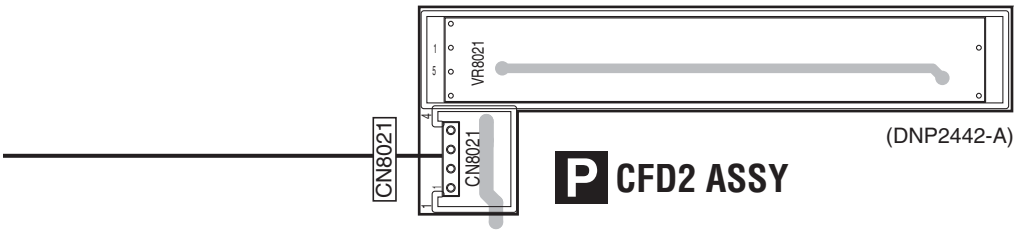


(DNP2442-A)



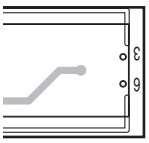
O CFD1 ASSY

(DNP2442-A)



(DNP2442-A)

P CFD2 ASSY

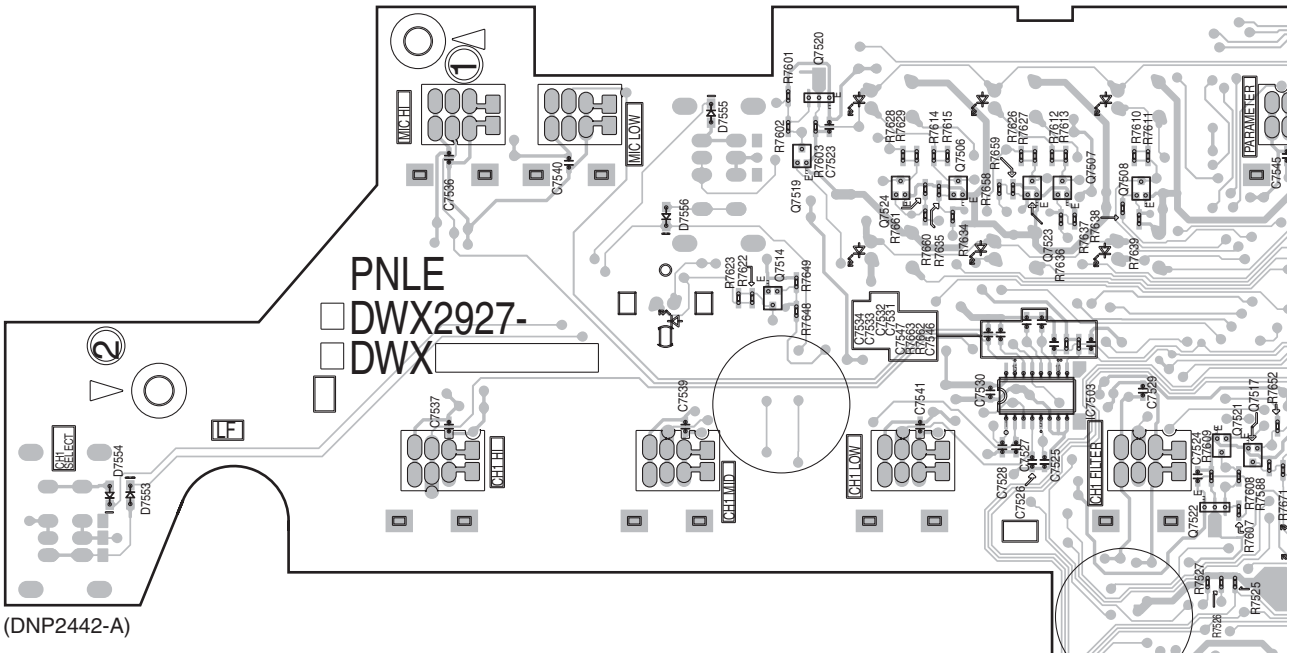


P2442-A)

SIDE B

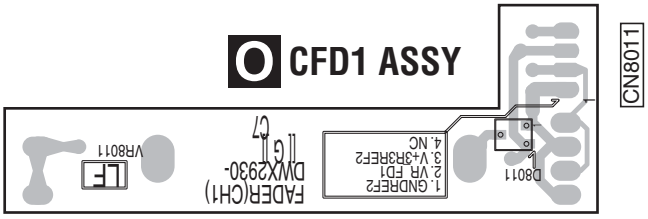
Q7520 Q7524 Q7506 Q7523 Q7507 Q7508 Q7521 Q7517
Q7519 IC7503 Q7522
Q7514 Q7515 Q7511
Q7512 Q7510

N PNLE ASSY

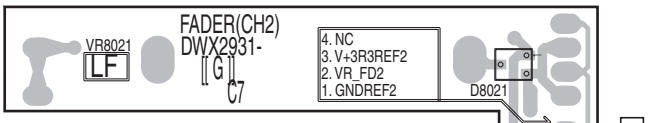


(DNP2442-A)

O CFD1 ASSY



(DNP2442-A)



(DNP2442-A)

P CFD2 ASSY

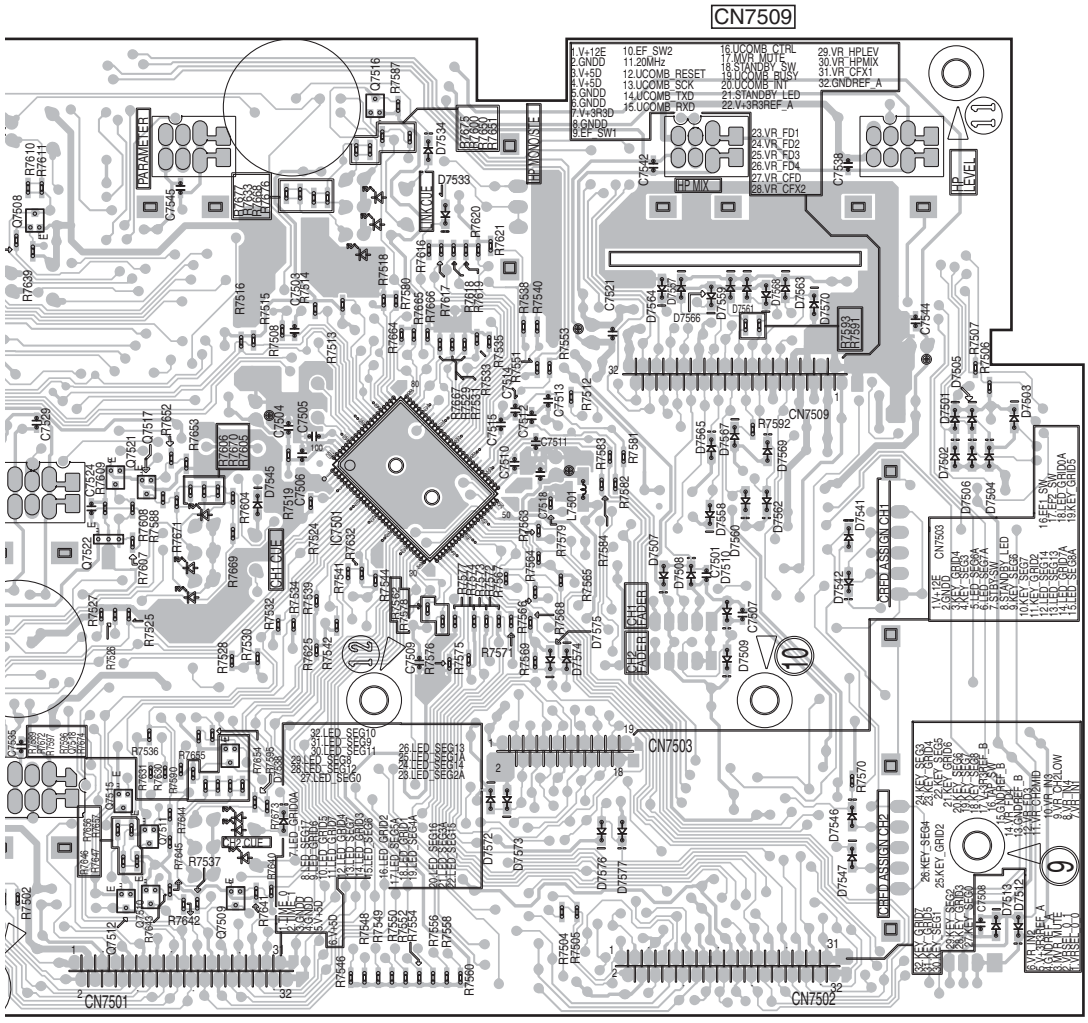
CN8021

Q

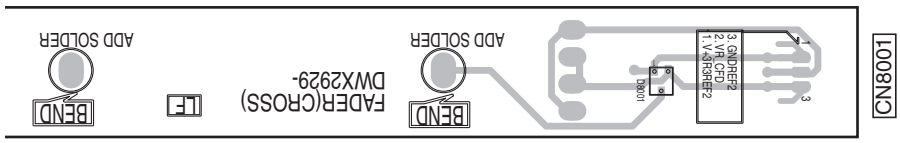
(DNP2442-A)

SIDE B

Q7508 Q7521 Q7517 Q7516
Q7522 IC7501
Q7515 Q7511 Q7518
Q7512 Q7510 Q7509



Q CRFD ASSY



(NP2442-A)

11.9 PNCE ASSY

SIDE A

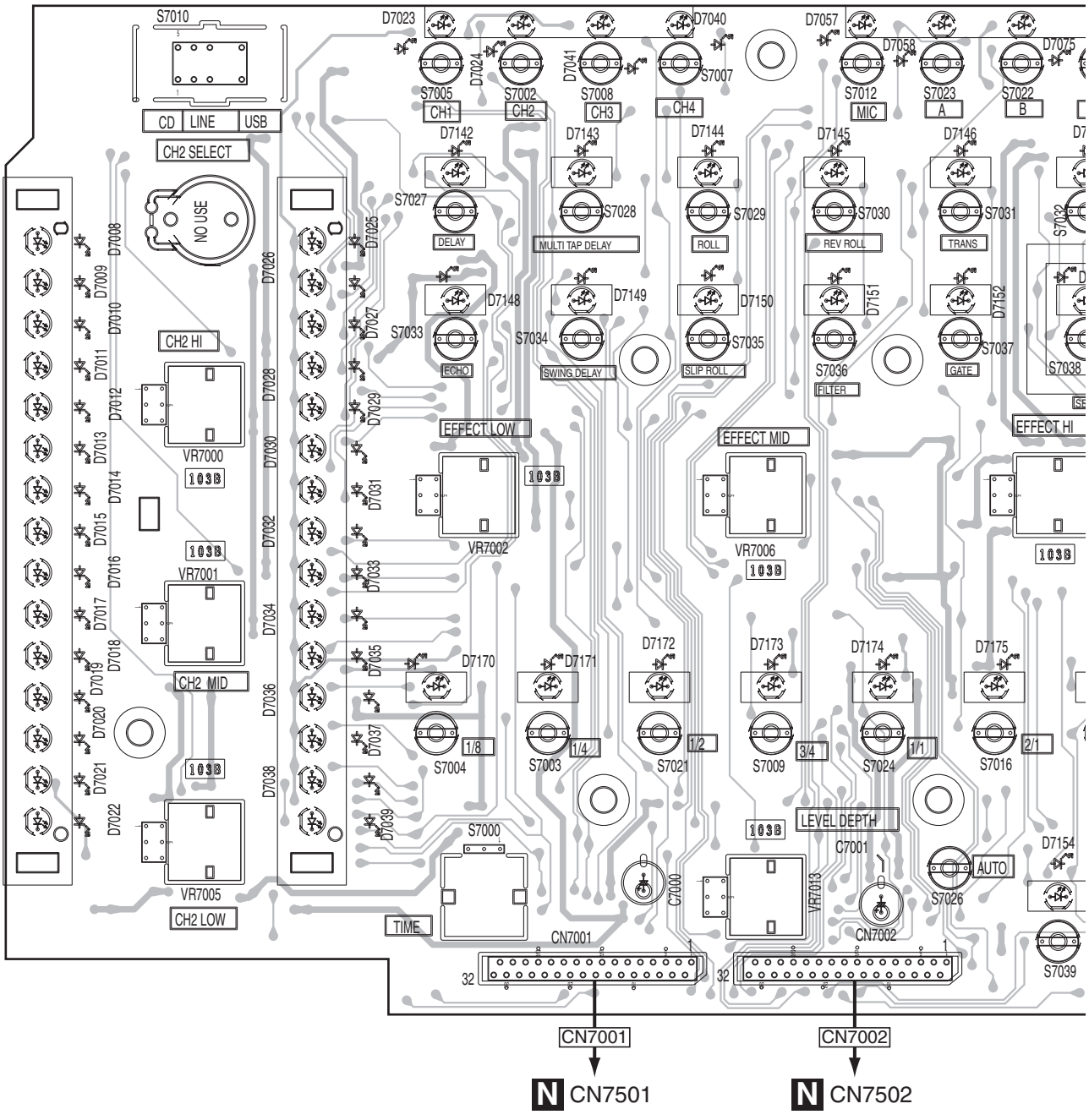
VR7000
VR7001
VR7005

VR7002

VR7006
VR7013

VR7010

R PNCE ASSY



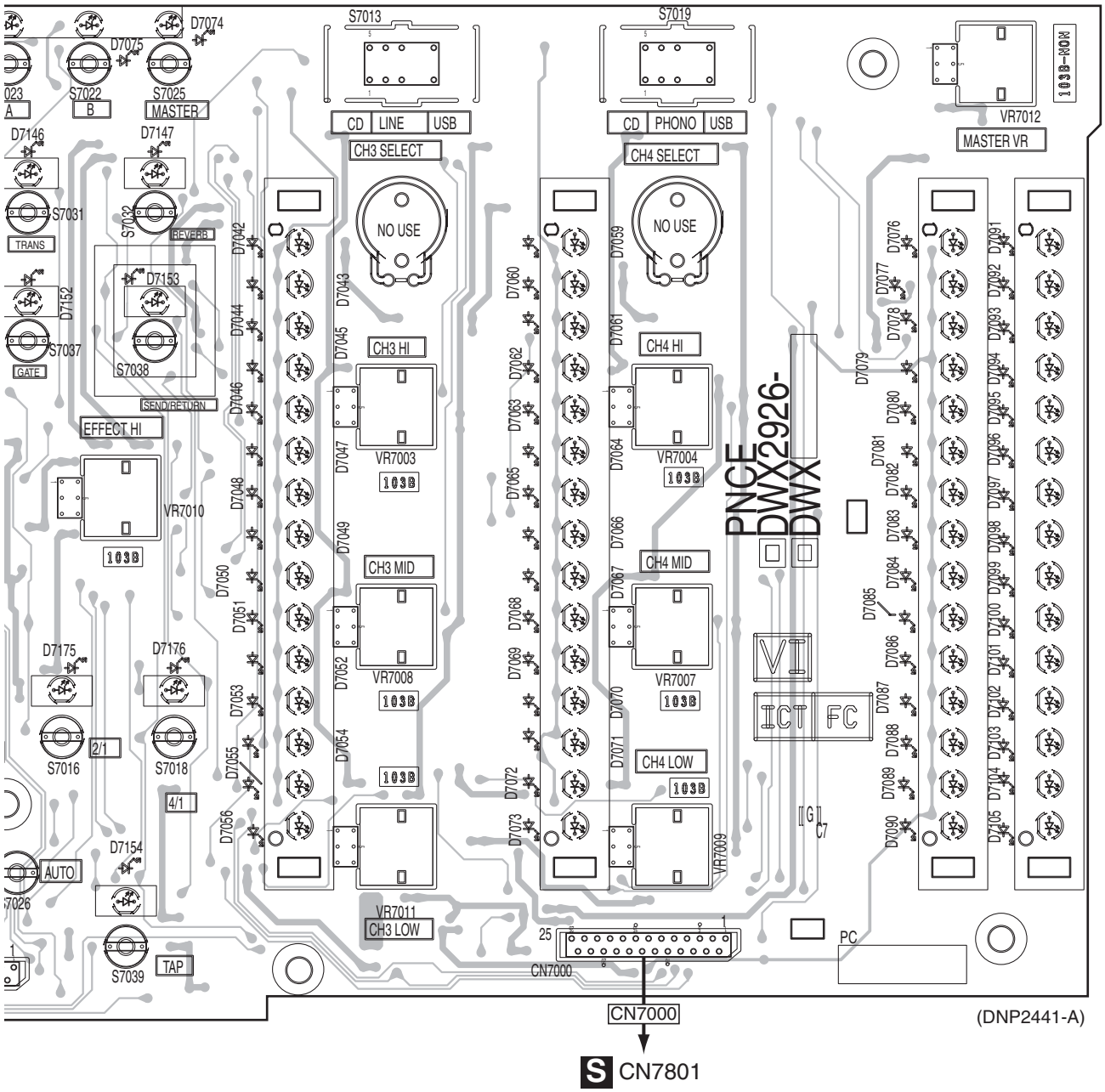
SIDE A

VR7010

VR7003
VR7008
VR7011

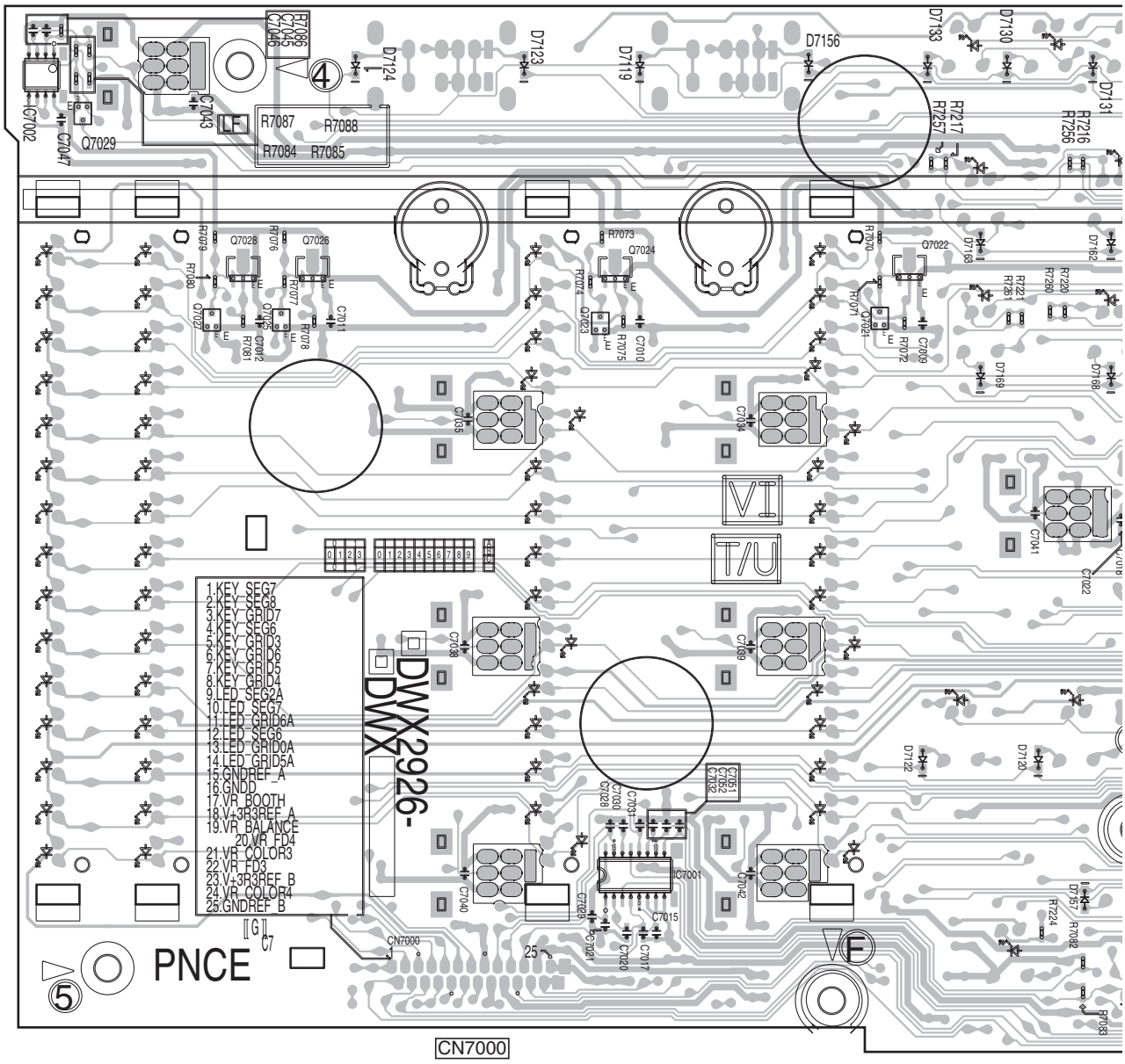
VR7004
VR7007
VR7009

VR7012



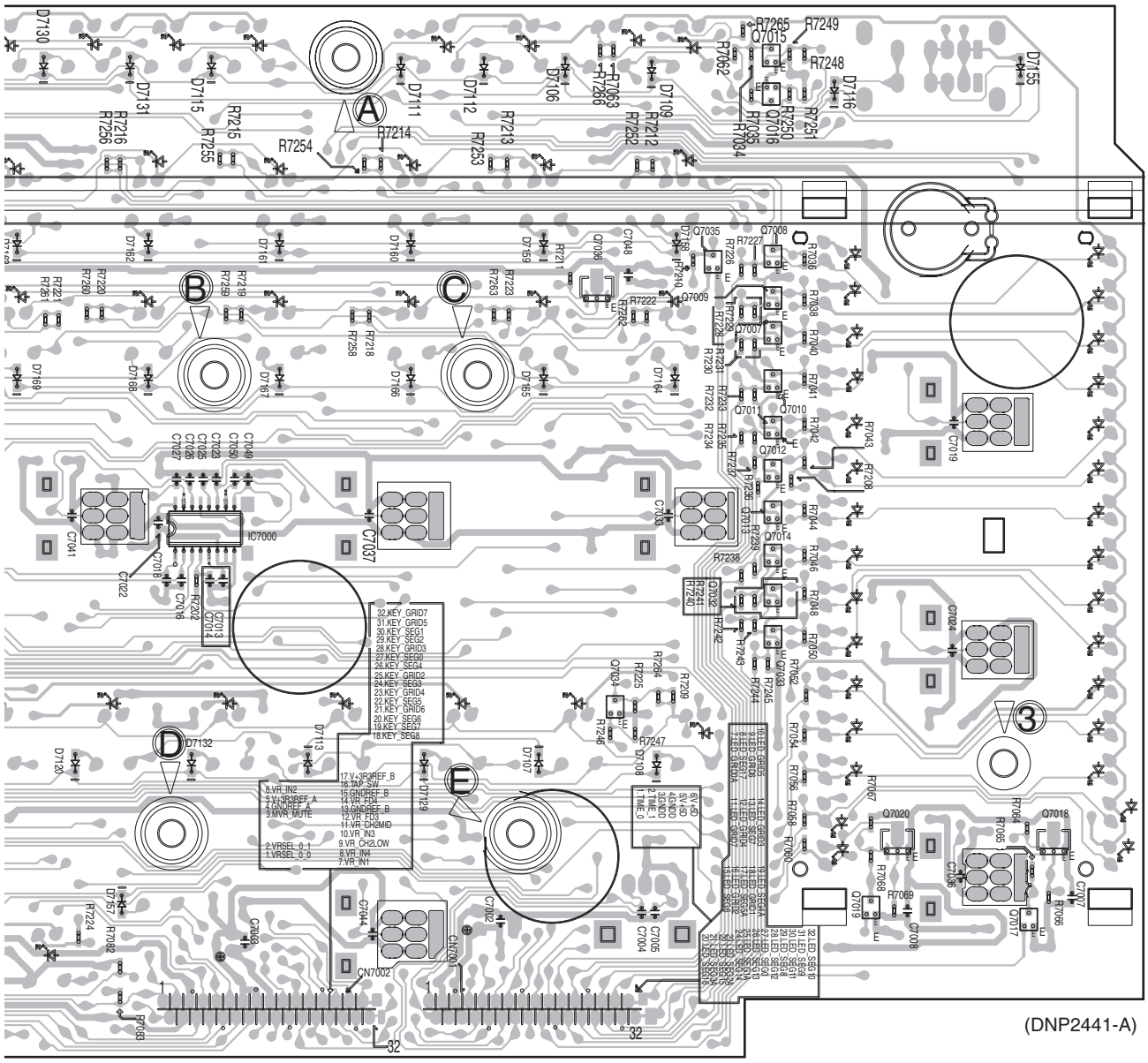
SIDE B

R PNCE ASSY



SIDE B

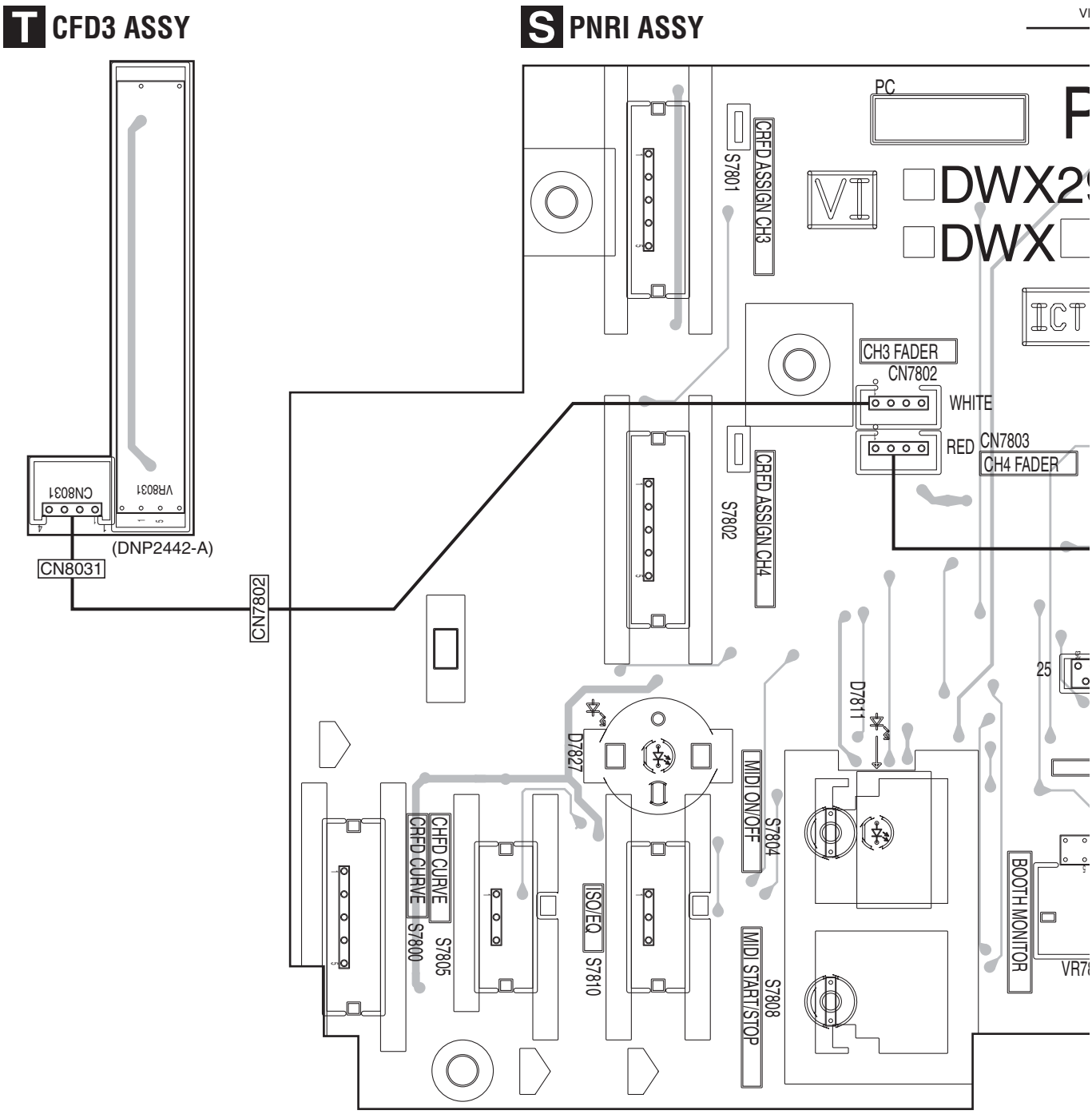
IC7000 Q7036 Q7034 Q7035 Q7015 Q7016 Q7007-7014 Q7032 Q7033 Q7020 Q7019 Q7018 Q7017



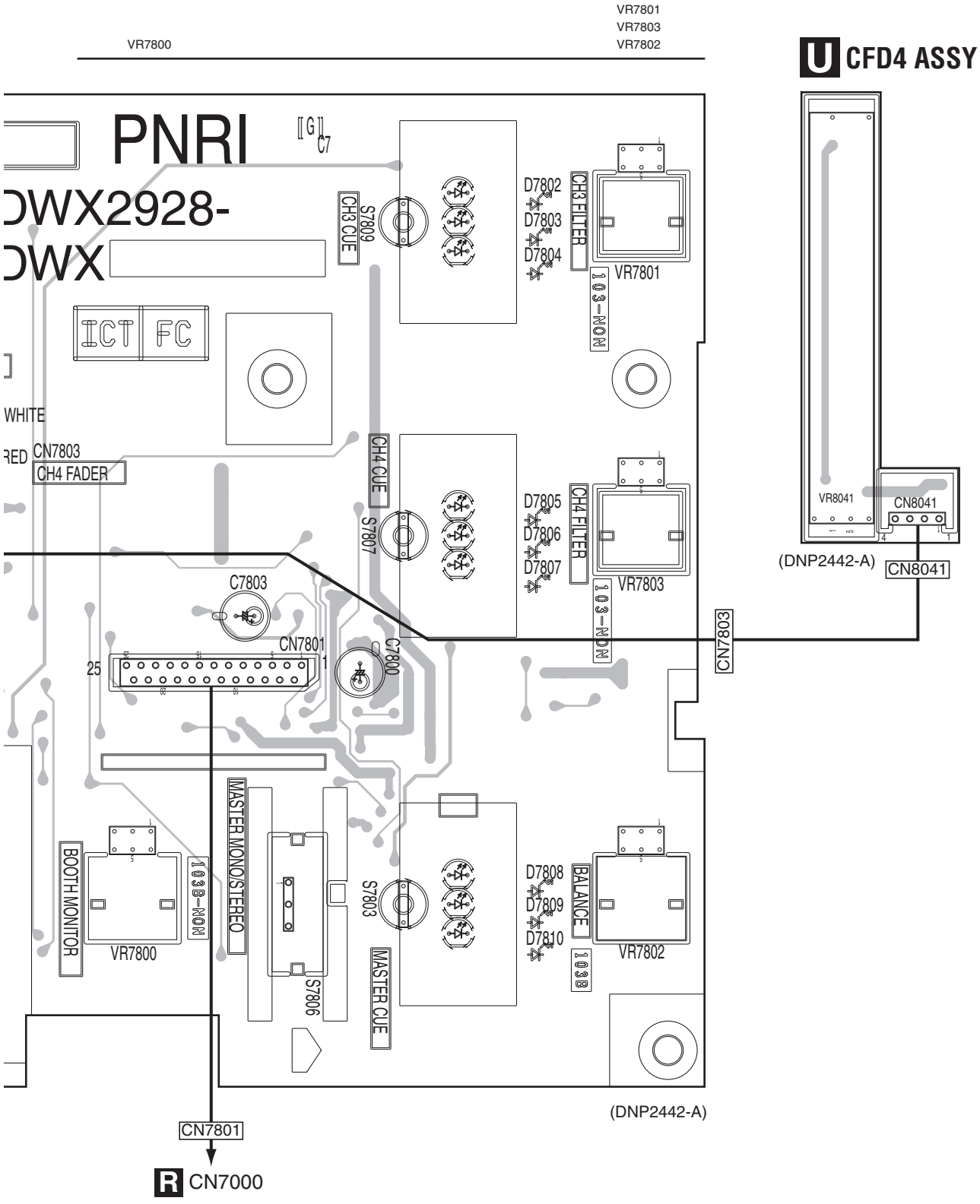
CN7002 CN7001

11.10 PNRI, CFD3 and CFD4 ASSYS

SIDE A



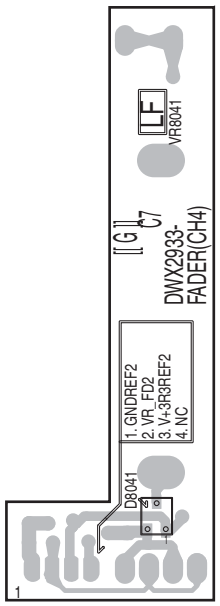
S **T**


VR7800
VR7801
VR7803
VR7802
U CFD4 ASSY
PNRI
DWX2928-
DWX
[G] C7
ICT FC
WHITE
RED
CN7803
CH4 FADER
CH3 CUE
S7809
D7802
D7803
D7804
CH3 FILTER
VR7801
103-NON
CH4 CUE
S7807
D7805
D7806
D7807
CH4 FILTER
VR7803
103-NON
C7803
CN7801
25
1
C7800
MASTER MONO/STEREO
S7803
MASTER CUE
S7806
BOOTH MONITOR
103B-NON
VR7800
D7808
D7809
D7810
BALANCE
VR7802
103B
VR8041
CN8041
(DNP2442-A)
CN8041
CN7803
(DNP2442-A)
CN7801
R CN7000

SIDE B

A

U CFD4 ASSY

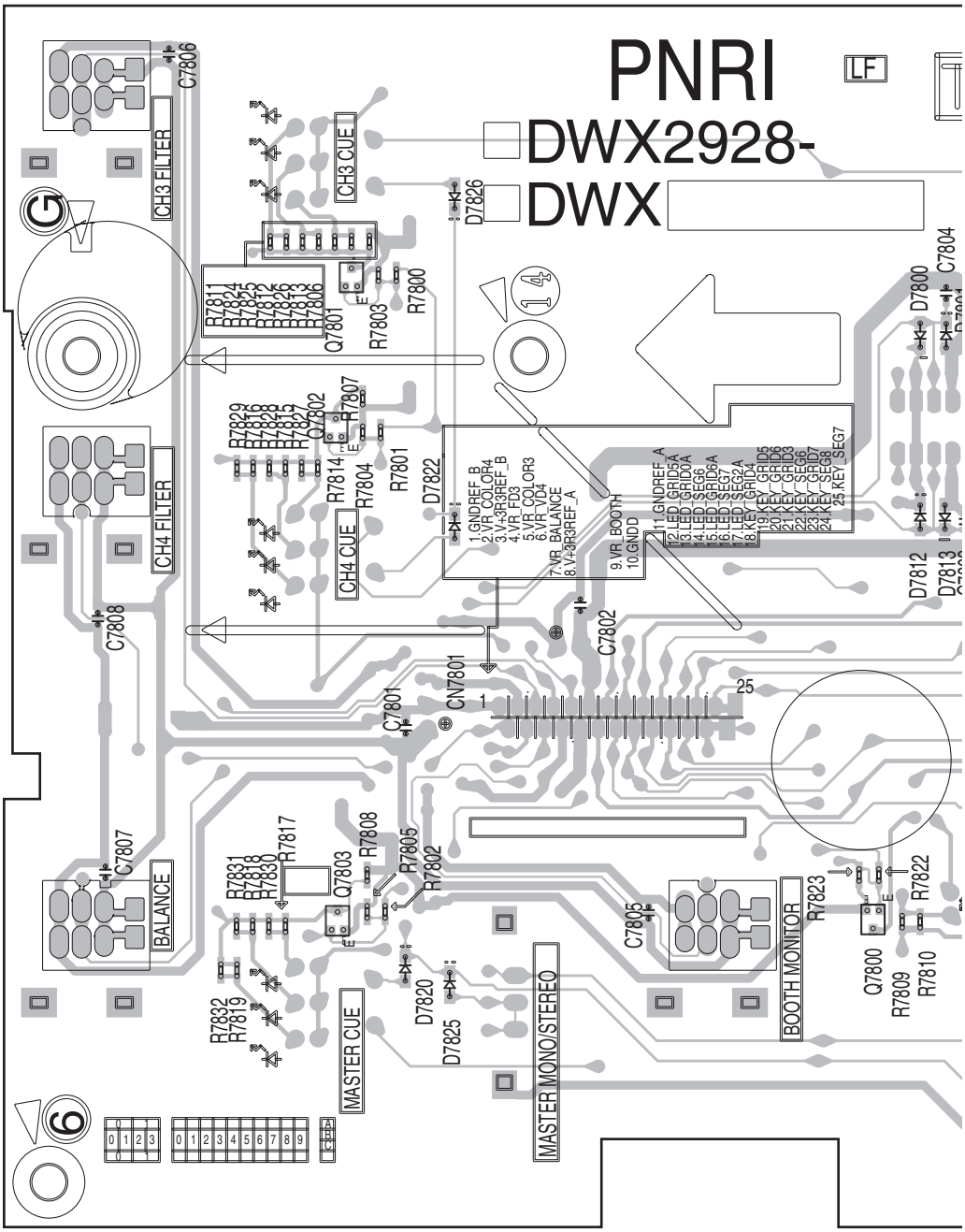


CN8041 (DNP2442-A)

B

S PNRI ASSY

Q7801
Q7802
Q7803
Q7800



C

D

E

F

S U

SIDE B

A

B

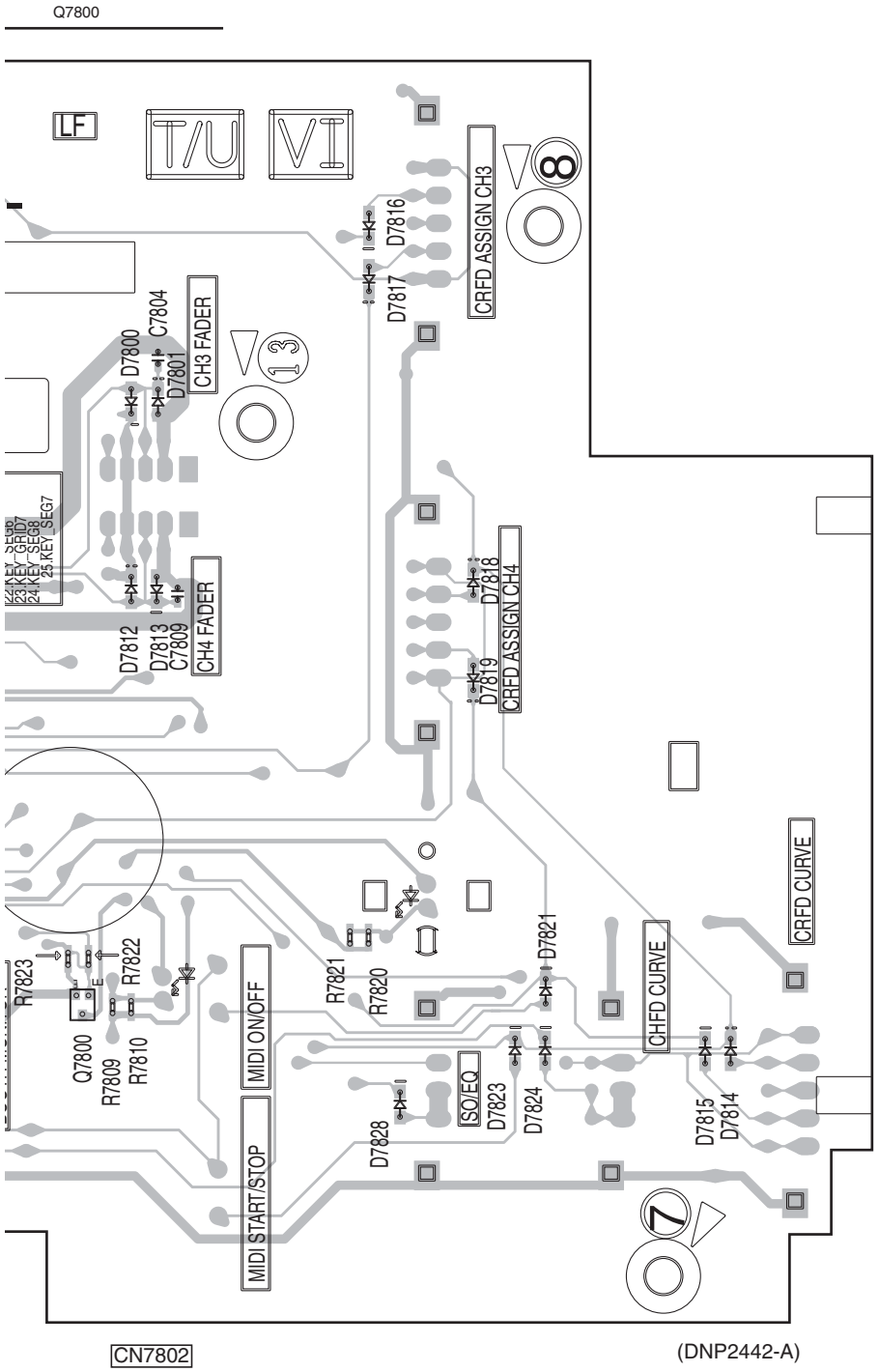
C

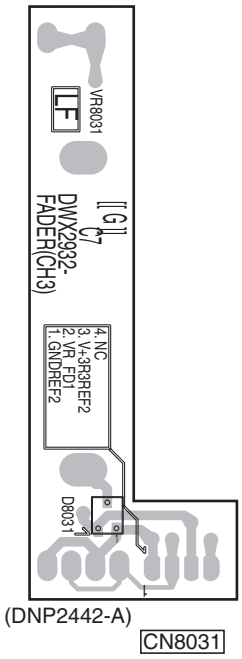
D

E

F

T CFD3 ASSY





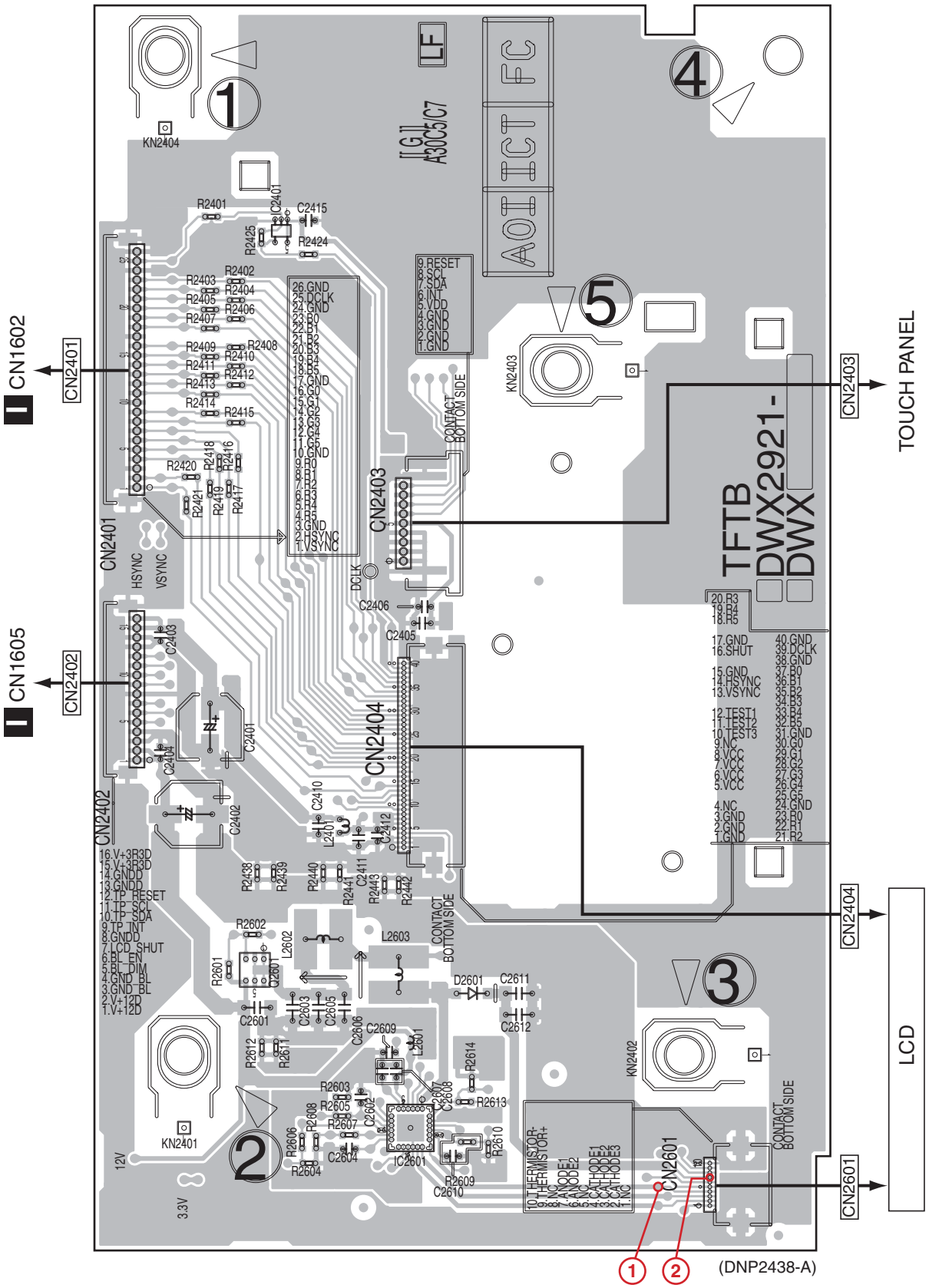
11.11 TFTB ASSY

SIDE A

NOTE: The encircled numbers denote measuring point.

SIDE A

V TFTB ASSY



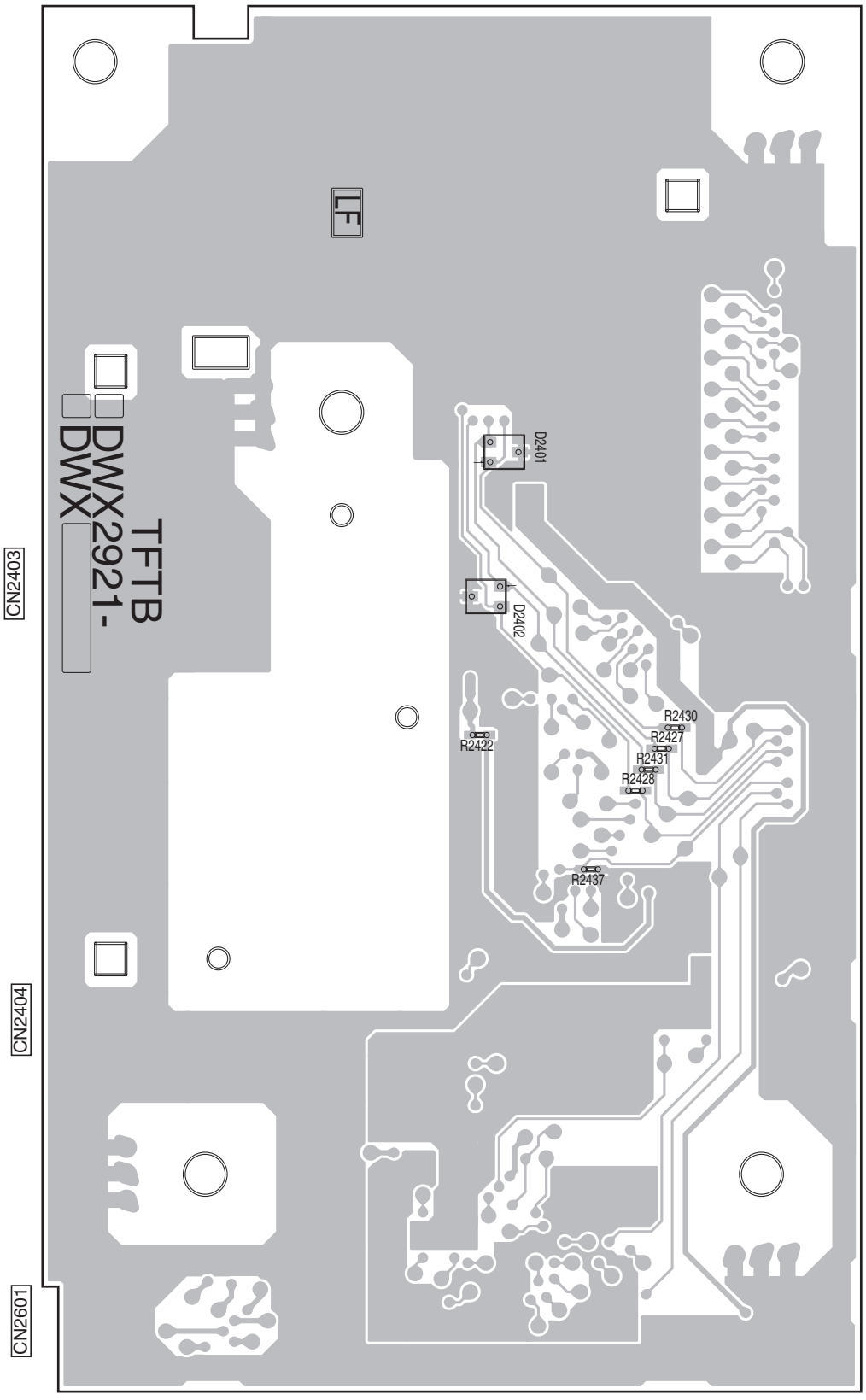
IC2401
Q2601
IC2601

V

SIDE B

SIDE B

V TFTB ASSY



(DNP2438-A)

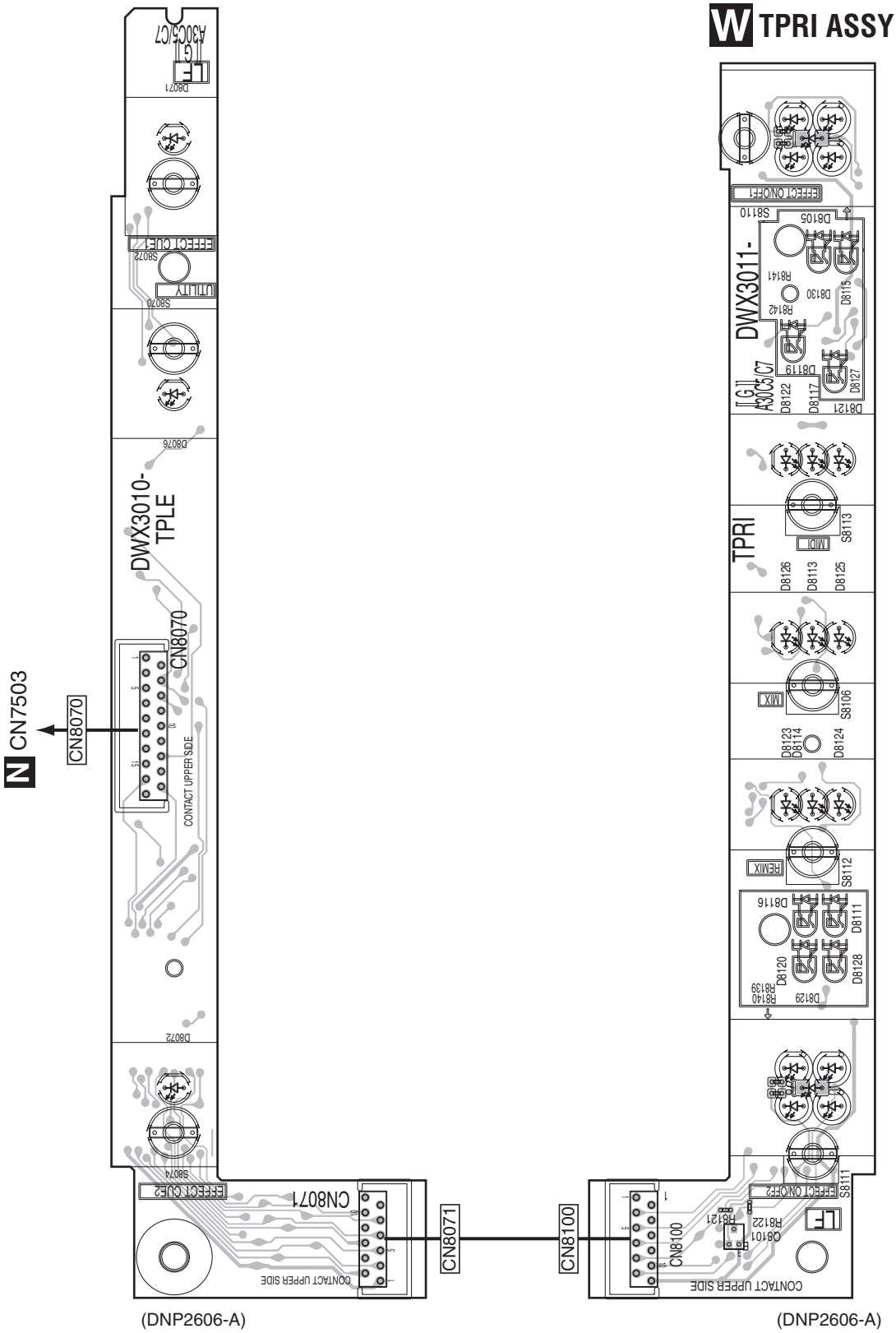
11.12 TPRI and TPLE ASSYS

SIDE A

SIDE A

X TPLE ASSY

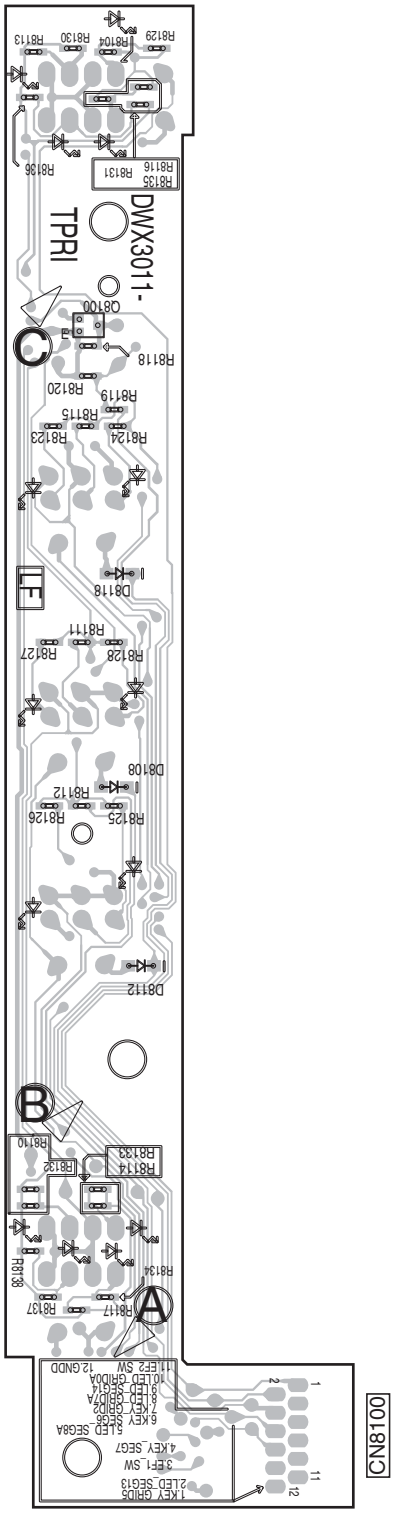
W TPRI ASSY



W X

SIDE B

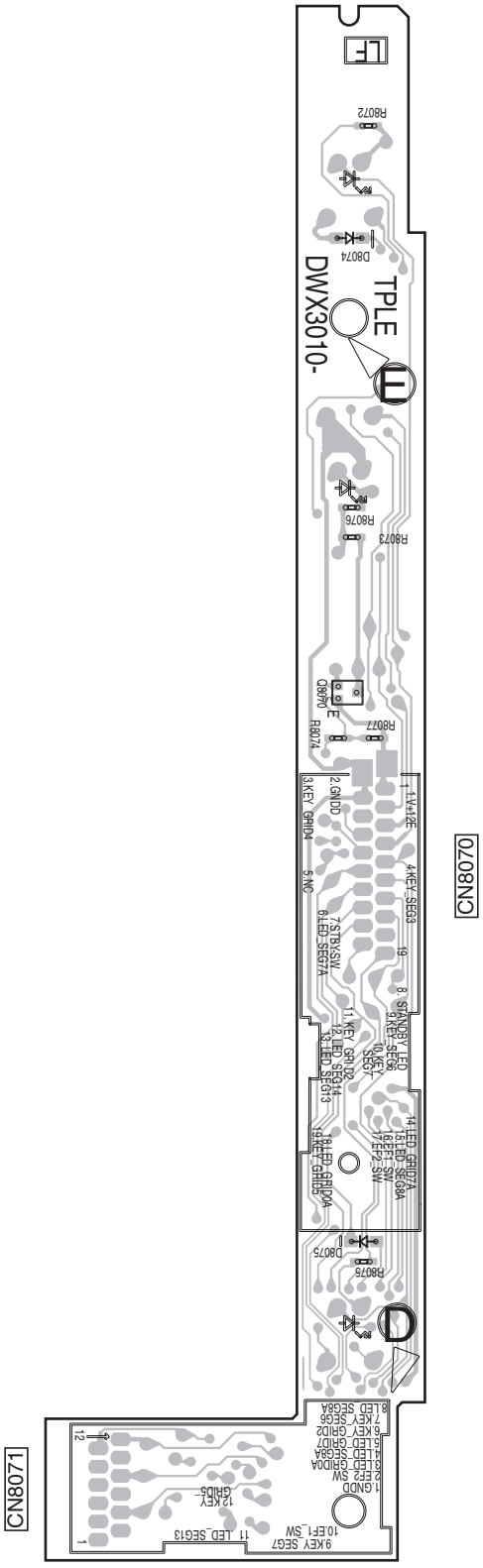
W TPRI ASSY



(DNP2606-A)

SIDE B

X TPLE ASSY



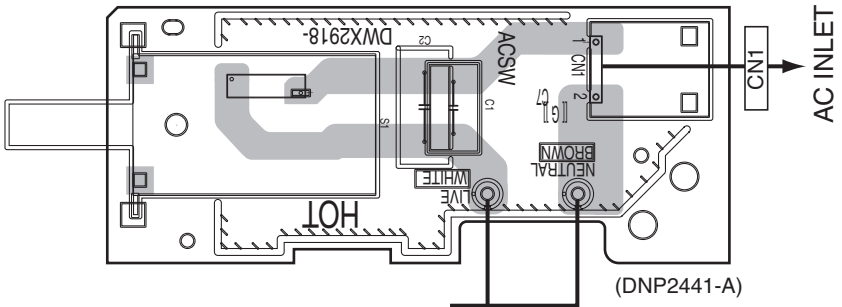
(DNP2606-A)

11.13 POWER SUPPLY and ACSW ASSYS

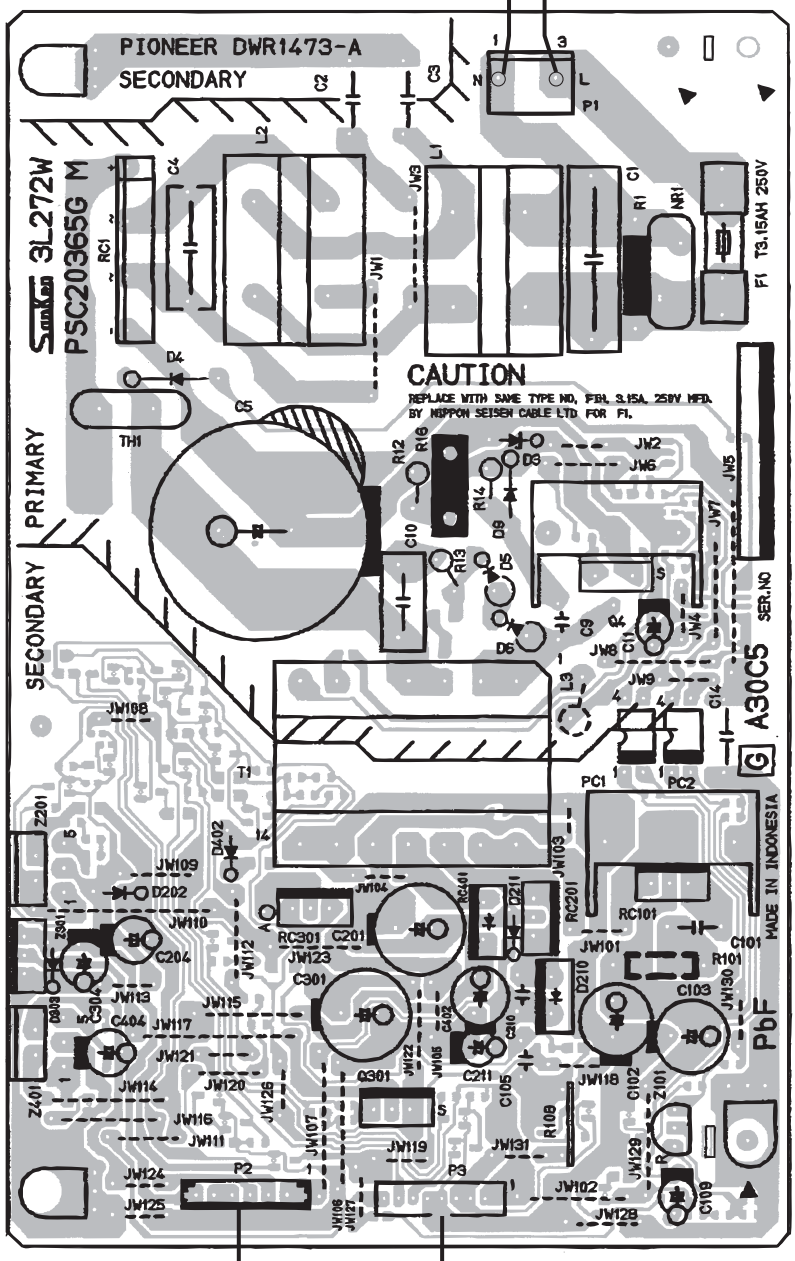
SIDE A

SIDE A

Z ACSW ASSY



Y POWER SUPPLY ASSY



P2 → J CN101

P3 → J CN102

Y Z

12. PCB PARTS LIST

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
● *When ordering resistors, first convert resistance values into code form as shown in the following examples.*
Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

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

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

5.62 kΩ	→	*562 × 10¹*	→	*5621* ····· *RN1/4PC 5 6 2 1 F*

● *Meaning of the figures and others in the parentheses in the parts list.*
Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.
IC 301 (A, 91, 111) IC NJM2068V

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
NSP	1	..AITF ASSY	DWM2334
	2	..TFTB ASSY	DWX2921
	2	..AIN1 ASSY	DWX2922
	2	..TRIM1 ASSY	DWX2935
	2	..TRIM2 ASSY	DWX2936
NSP	1	..AIPC ASSY	DWM2335
	2	..AIN2 ASSY	DWX2923
	2	..PCIF ASSY	DWX2925
	2	..TRIM3 ASSY	DWX2937
	2	..TRIM4 ASSY	DWX2938
	2	..TPLE ASSY	DWX3010
	2	..TPRI ASSY	DWX3011
NSP	1	..OUHP ASSY	DWM2336
	2	..HAMP ASSY	DWX2919
	2	..AOUT ASSY	DWX2924
	2	..HPJK ASSY	DWX2939
	2	..HREG ASSY	DWX2940
NSP	1	..PNLA ASSY	DWM2337
	2	..ACSW ASSY	DWX2918
	2	..PNCE ASSY	DWX2926
	2	..MCJK ASSY	DWX2934
NSP	1	..PNLB ASSY	DWM2338
	2	..PNLE ASSY	DWX2927
	2	..PNRI ASSY	DWX2928
	2	..CRFD ASSY	DWX2929
	2	..CFD1 ASSY	DWX2930
	2	..CFD2 ASSY	DWX2931
	2	..CFD3 ASSY	DWX2932
	2	..CFD4 ASSY	DWX2933
	1	..MAIN ASSY	DWX2920
⚠	1	..POWER SUPPLY ASSY	DWR1473 or DWR1492

A AIN1 ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
IC	3000,3001,3004-3006		NJM4580MD
IC	3002		TC74VHC74FTS1
IC	3003,3302		CS5381-KZ
IC	3007,3306		RNB4580F
IC	3300,3301,3303-3305		NJM4580MD
IC	4300-4303		TC7WU04FU
IC	4314-4319		TC7SH08FUS1
IC	4900		NJM4580MD
IC	4901		AK5358AET
Q	3000,3001,3003,3004		2SK3320
Q	3002,3005-3009,3011		HN1C01FU
Q	3010,3308,3309,3314		RT1N241M
Q	3012,3013,3301,3302		2SK3320
Q	3014-3016,3300,3303		HN1C01FU
Q	3304,3307,3310-3313		HN1C01FU
Q	3305,3306,3316,3317		2SK3320
Q	3315,3318-3320		HN1C01FU
Q	4501		2SC2412K
Q	4900,4901		2SK209
D	3000,3001,3301,3302		1SS355
D	3002-3005,3303-3306		RB706D-40
D	3300		UDZS5R6(B)
D	4904		UDZS3R3(B)
D	4905		RB706D-40
D	4906-4915		HZU3R0(B1)

MISCELLANEOUS

Mark	No.	Description	Part No.
L	3300,3301	FERRITE CORE	VTF1093
L	4500	FERRITE CORE	VTF1091
JA	3000,3300	JACK	DKB1083
JA	3301	JACK	RKN1004
JA	4300,4301	2P JACK	DKB1098
JA	4500	JACK BOARD	PKB1033
KN	4300,4301	WRAPPING TERMINAL	VNF1084
VR	4900	ROTARY VR	DCS1072
RY	3000,3300	RELAY	VSR1008
S	3000,3300	SLIDE SWITCH	DSH1025
CN	3000,3300	11P PLUG	XKP3065
CN	4300	21P CONNECTOR	21R-1.25FJ
CN	4302,4303	20P CONNECTOR	VKN1312

Mark	No.	Description	Part No.
	CN 4900	CONNECTOR	CKS2643
		RESISTORS	
	R 3000-3003,3300-3303		RN1/16SE1000D
	R 3004-3007,3304-3307		RN1/16SE4702D
	R 3008,3009,4928-4931		RS1/10SR75R0D
	R 3010,3011,3312,3313		RS1/10SR1803D
	R 3014,3015		RS1/10SR7501D
	R 3016,3017,3032-3035		RN1/16SE4700D
	R 3018,3021,3028,3029		RN1/16SE2001D
	R 3022,3026,3030,3031		RN1/16SE1001D
	R 3024,3068,3324,3329		RN1/16SE4701D
	R 3037,3038,3343,3344		RN1/16SE3002D
	R 3040,3041,3351,3352		RN1/16SE2002D
	R 3045,3046,3356,3357		RN1/16SE1303D
	R 3052,3053,3358,3359		RS1/10SR3303D
	R 3060,3073,3074,3320		RN1/16SE4700D
	R 3066,3070-3072,3370		RN1/16SE2001D
	R 3076-3083,3380-3387		RN1/16SE1201D
	R 3084,3086,3088,3090		RN1/16SE2200D
	R 3085,3087,3089,3091		RN1/16SE4300D
	R 3092-3095,3396-3399		RN1/16SE6800D
	R 3096,3099,3100,3103		RN1/16SE3300D
	R 3097,3098,3101,3102		RN1/16SE1001D
	R 3108-3112		RN1/16SE4301D
	R 3321,3336-3339,3366		RN1/16SE4700D
	R 3322,3326,3327		RN1/16SE1001D
	R 3331-3335,3401,3402		RN1/16SE1001D
	R 3372,4904,4905,4909		RN1/16SE4701D
	R 3374-3376		RN1/16SE2001D
	R 3378,3379		RN1/16SE4700D
	R 3388,3390,3392,3394		RN1/16SE2200D
	R 3389,3391,3393,3395		RN1/16SE4300D
	R 3400,3403,3404,3407		RN1/16SE3300D
	R 3405,3406		RN1/16SE1001D
	R 4527		RS1/10SR1801F
	R 4528		RS1/10SR3901F
	R 4902,4903		RN1/16SE1002D
	R 4906,4908		RN1/16SE1501D
	R 4907		RN1/16SE3300D
	R 4910		RN1/16SE4701D
	R 4911,4913		RN1/16SE3900D
	R 4914		RN1/16SE2200D
	R 4924,4925		RN1/16SE2201D
	R 4926,4932		RN1/16SE1201D
	R 4927		RN1/16SE1500D
	R 4933,4934		RS1/10SR1803D
	Other Resistors		RS1/10SR###J
		CAPACITORS	
	C 3000,3021,3023-3025		CKSRYB104K25
	C 3001,3002,4304-4307		CCSRCH221J50
	C 3003,3004,3007,3008		CCSRCH101J50
	C 3005,3006,4932,4933		CCSRCH331J50
	C 3009,3010		CEHAT471M6R3
	C 3011,3012,4921		CKSRYB471K50
	C 3013,3014		DCE1020
	C 3015,3016,4922,4923		CKSRYB474K10
	C 3017,3018		CKSRYB223K50
	C 3019,3020,3046,3047		CKSRYB472K50
	C 3022,3026,3056,3057		CEHAZL101M25
	C 3028,3037-3039,3050		CKSRYB104K25
	C 3029-3032,3034,3035		CFTLA334J50
	C 3036,3333		CEHAZL100M50
	C 3042,3043,3343,3344		CKSRYB103K50
	C 3044,3045,3341,3342		CCSRCH222J50
	C 3048,3345		CEHAZL331M6R3
	C 3049,3055,3346,3350		CEHAZL101M10
	C 3051,3054,3352,3354		CEHAZL220M50
	C 3052,3053,3058-3061		CKSRYB104K25
	C 3062-3065,3361-3364		CCSRCH102J50
	C 3070,3071,3300,3321		CKSRYB104K25
	C 3301-3304,3306-3309		CCSRCH101J50
	C 3305,3310		CFTLA103J50
	C 3317-3320,3347,3348		CKSRYB472K50
	C 3322,3326,3355,3356		CEHAZL101M25
	C 3323-3325,3336-3338		CKSRYB104K25
	C 3328,3329,3331,3332		CFTLA334J50
	C 3334,3335		CFTLA334J50
	C 3349,3351,3353		CKSRYB104K25
	C 3357-3360,3365,3366		CKSRYB104K25
	C 4308-4311,4514,4919		CKSRYB103K50
	C 4312-4315		CCSRCH220J50
	C 4316,4318,4320,4322		CKSRYB104K25
	C 4317,4319,4321,4323		CCSRCH470J50
	C 4362-4368,4370,4371		CKSRYB104K25
	C 4369,4372		CEHAT101M25
	C 4373,4377,4378,4380		CKSRYB104K25
	C 4374-4376,4379,4381		CEAT470M25
	C 4512,4909,4910,4913		CKSRYB104K25
	C 4513		CEAT101M10
	C 4906,4908		CCSRCH471J50
	C 4907		CKSRYB331K50
	C 4911		CEJQNP100M35
	C 4912,4914,4916		CEAT100M50
	C 4915,4918,4924,4925		CKSRYB104K25
	C 4917		CEJQ100M35
	C 4920		CKSRYB103K50
	C 4926-4931		CKSRYB474K10
	C 4934		CKSRYB104K25
	C 4935-4938,4943-4946		CEANP330M16
	C 4947		CKSRYB105K16
	C 4950-4953		CCSRCH101J50

B MCJK ASSY

Mark	No.	Description	Part No.
		SEMICONDUCTORS	
	D 2201-2204		UDZS15(B)
		MISCELLANEOUS	
	JA 2200	CANON CONNECTOR	DKB1108
	CN 2200	PLUG	CKS3153
	0	MIC SHIELD	DNF1849
		RESISTORS	
	R 2201-2204		RN1/16SE1000D
		CAPACITORS	
	C 2201-2206		CCSRCH102J50
	C 2207,2208		CFTLA103J50

Mark	No.	Description	Part No.

C TRIM1 ASSY

MISCELLANEOUS

	VR 2221	POTENTIOMETER	DCS1103
	CN 2221	11P SOCKET	XKP3076

CAPACITORS

	C	2221	CKSRYB104K25

D TRIM2 ASSY

MISCELLANEOUS

	VR 2241	POTENTIOMETER	DCS1103
	CN 2241	11P SOCKET	XKP3076

CAPACITORS

	C	2241	CKSRYB104K25

E TRIM3 ASSY

MISCELLANEOUS

	VR 2261	POTENTIOMETER	DCS1103
	CN 2261	11P SOCKET	XKP3076

CAPACITORS

	C	2261	CKSRYB104K25

F TRIM4 ASSY

MISCELLANEOUS

	VR 2281	POTENTIOMETER	DCS1103
	CN 2281	11P SOCKET	XKP3076

CAPACITORS

	C	2281	CKSRYB104K25

G AIN2 ASSY

SEMICONDUCTORS

	IC	3600,3601,3603-3605	NJM4580MD
	IC	3602,3903	CS5381-KZ
	IC	3606,3907	RNB4580F
	IC	3900,3901,3904-3906	NJM4580MD
	IC	3902	TC74VHC74FTS1
	Q	3600,3603,3604,3607	HN1C01FU
	Q	3601,3602,3605,3606	2SK3320
	Q	3608,3609,3614,3910	RT1N241M
	Q	3610-3613,3615	HN1C01FU
	Q	3616,3617,3900,3901	2SK3320
	Q	3618-3620,3902	HN1C01FU
	Q	3903,3904,3912,3913	2SK3320
	Q	3905-3909,3911	HN1C01FU
	Q	3914-3916	HN1C01FU
	D	3600	UDZS5R6(B)
	D	3601,3602,3900,3901	1SS355
	D	3603-3606,3902-3905	RB706D-40
	D	3607-3612,3906-3909	HZU3R0(B1)

MISCELLANEOUS

	L	3600,3601 FERRITE CORE	VTF1093
	JA	3600,3900 JACK	DKB1083
	JA	3601 JACK	RKN1004
	KN	4200,4201 WRAPPING TERMINAL	VNF1084

Mark	No.	Description	Part No.
	RY	3600,3900 RELAY	VSR1008
	S	3600,3900 SLIDE SWITCH	DSH1025
	CN	3600,3900 11P PLUG	XKP3065
	CN	4200 21P CONNECTOR	21P-1.25FJ
	CN	4201 CONNECTOR POST	S7B-EH

RESISTORS

	R	3600-3603,3900-3903	RN1/16SE1000D
	R	3604-3607,3904-3907	RN1/16SE4702D
	R	3610-3613,3910,3911	RS1/10SR1803D
	R	3614-3617,3661	RN1/16SE4301D
	R	3620,3621,3636-3639	RN1/16SE4700D
	R	3622,3626,3627	RN1/16SE1001D
	R	3624,3629,3672,3924	RN1/16SE4701D
	R	3631-3635,3701,3702	RN1/16SE1001D
	R	3643,3644,3937,3938	RN1/16SE3002D
	R	3651,3652,3940,3941	RN1/16SE2002D
	R	3656,3657,3945,3946	RN1/16SE1303D
	R	3658,3659,3952,3953	RS1/10SR3303D
	R	3666,3678,3679,3916	RN1/16SE4700D
	R	3670,3674-3676,3918	RN1/16SE2001D
	R	3680-3687,3976-3983	RN1/16SE1201D
	R	3688,3690,3692,3694	RN1/16SE2200D
	R	3689,3691,3693,3695	RN1/16SE4300D
	R	3696-3699,3992-3995	RN1/16SE6800D
	R	3700,3703,3704,3707	RN1/16SE3300D
	R	3705,3706,3922,3926	RN1/16SE1001D
	R	3908,3909	RS1/10SR75R0D
	R	3914,3915	RS1/10SR7501D
	R	3917,3932-3935,3960	RN1/16SE4700D
	R	3921,3928,3929,3966	RN1/16SE2001D
	R	3927,4010	RN1/16SE2201D
	R	3930,3931,3997,3998	RN1/16SE1001D
	R	3968	RN1/16SE4701D
	R	3970-3972	RN1/16SE2001D
	R	3973,3974	RN1/16SE4700D
	R	3984,3986,3988,3990	RN1/16SE2200D
	R	3985,3987,3989,3991	RN1/16SE4300D
	R	3996,3999,4000,4003	RN1/16SE3300D
	R	4001,4002	RN1/16SE1001D
	R	4008,4009	RN1/16SE1201D
	Other Resistors		RS1/10SR###J

CAPACITORS

	C	3600,3900	CKSRYB104K50
	C	3601-3604,3606-3609	CCSRCH101J50
	C	3605,3610	CFTLA103J50
	C	3617-3620,3647,3648	CKSRYB472K50
	C	3621,3623-3625	CKSRYB104K25
	C	3622,3626,3655,3656	CEHAZL101M25
	C	3628,3629,3631,3632	CFTLA334J50
	C	3633,3936	CEHAZL100M50
	C	3634,3635,3929-3932	CFTLA334J50
	C	3636-3638,3649,3651	CKSRYB104K25
	C	3641,3642,3944,3945	CCSRCH222J50
	C	3643,3644,3942,3943	CKSRYB103K25
	C	3645,3948	CEHAZL331M6R3
	C	3646,3650,3949,3955	CEHAZL101M10
	C	3652,3654,3951,3954	CEHAZL220M50
	C	3653,3657-3660,3665	CKSRYB104K25
	C	3661-3664,3962-3965	CCSRCH102J50

Mark	No.	Description	Part No.
	C	3666,3671,3921	CKSRYB104K25
	C	3672-3677,3973-3976	CKSRYB474K10
	C	3901,3902	CCSRCH221J50
	C	3903,3904,3907,3908	CCSRCH101J50
	C	3905,3906,4219,4220	CCSRCH331J50
	C	3909,3910	CEHAT471M6R3
	C	3911,3912	CKSRYB471K50
	C	3917,3918	CKSRYB223K50
	C	3919,3920,3946,3947	CKSRYB472K50
	C	3922,3926,3956,3957	CEHAZL101M25
	C	3923-3925,3928	CKSRYB104K25
	C	3934,3935	CFTLA334J50
	C	3937-3939,3950,3952	CKSRYB104K25
	C	3953,3958-3961	CKSRYB104K25
	C	3970-3972,4202-4204	CKSRYB104K25
	C	4200,4201,4205,4211	CEAT470M25
	C	4206,4210	CEHAT101M25
	C	4207-4209,4215,4221	CKSRYB104K25
	C	4216	CEAT470M25
	C	4217,4218 (0.01 u)	DCE1020
	C	4222-4229	CEANP330M16
	C	4230-4233	CCSRCH101J50

H PCIF ASSY

SEMICONDUCTORS

	IC	2001	TC7S04FU
	IC	2002	TUSB3200ACPAH
	IC	2003	S-24CS64A0I
	IC	2005	TC7SHU04FUS1
	IC	2006	TC74LCX32FTS1
	IC	2007,2018	TC7SH04FUS1
	IC	2008	TC74VHC08FTS1
	IC	2009	RTL8201CP-LF
	IC	2010	PSB6970HL
	IC	2011	TC7SH32FUS1
	IC	2012,2013	TC74LCX541FTS1
	IC	2014,2015	TC7SH08FUS1
	IC	2016,2017	TC7W53FU
⚠	IC	2019	PQ200WNA1ZPH
	Q	2001	RT1N241M
	Q	2002	UM6K1N
	Q	2003,2004	2SB1386
	D	2001	NNCD6.2MF
	D	2003	UDZS5R6(B)
	D	2004,2005	1SS355

MISCELLANEOUS

	L	2001,2002 CHIP SOLID INDUCTOR	QTL1013
	L	2003 COIL	ATH7015
	L	2004 CHIP SOLID INDUCTOR	QTL1013
	L	2011-2013 INDUCTOR	CTF1394
	F	2001 EMI FILTER	DTL1106
	F	2003 EMI FILTER	CCG1160
	JA	2001 USB CONNECTOR	DKN1237
	JA	2002 CONNECTOR	DKN1188
	JA	2009-2011 RJ45 CONNECTOR 2*1	DKN1572
	KN	2001-2003 WRAPPING TERMINAL	VNF1084
	X	2001 CRYSTAL RESONATOR	DSS1136
	X	2002 CRYSTAL (25 MHz)	VSS1215
	CN	2001,2002 26P CONNECTOR	VKN1430

Mark	No.	Description	Part No.
	0	SHIELD CASE(MIDI)	DNH2736

RESISTORS

	R	2006,2007	RD1/2VM221J
	R	2016-2019,2030-2033	RS1/16SS0R0J
	R	2020-2029,2148,2223	RS1/8SQ0R0J
	R	2056	RS1/10SR3301D
	R	2062-2085	RS1/10SR49R9F
	R	2096-2111	RS1/16SS0R0J
	R	2136	RAB4CQ330J
	R	2139,2208,2209	RAB4CQ121J
	R	2187	RS1/10SR1200D
	R	2189	RN1/16SC10R0D
	R	2217-2219	RS1/4SA0R0J
	R	2221	RS1/10SR3900D
	R	2222	RS1/10SR1801D
	Other Resistors		RS1/10SR###J

CAPACITORS

	C	2001,2003,2007,2010	CKSRYB104K25
	C	2002,2009,2021,2065	CEAT101M10
	C	2004,2011,2025,2057	CKSRYB471K50
	C	2005	CFTLA103J50
	C	2013,2020,2044-2053	CKSRYB103K50
	C	2017,2022,2023,2027	CKSRYB104K25
	C	2018,2019	CCSRCH470J50
	C	2024	CCSRCH101J50
	C	2026,2056	CKSRYB102K16
	C	2028,2031,2034,2042	CKSRYB104K25
	C	2029,2036	CCSRCH270J50
	C	2032,2093	CKSRYB105K16
	C	2033	DCH1201
	C	2037,2073,2103,2105	CEAT470M25
	C	2043,2054,2055	CKSRYB104K25
	C	2058,2062	CKSRYB471K50
	C	2059-2061,2063,2068	CKSRYB104K25
	C	2067	CEAT101M10
	C	2072	CCSRCH180J50
	C	2074,2077,2079-2090	CKSRYB104K25
	C	2075,2129	CEAT221M10
	C	2076,2091,2094	CCSRCH102J50
	C	2078	CCSRCH200J50
	C	2092,2095,2098-2102	CKSRYB104K25
	C	2096,2126,2127	CEHAT101M10
	C	2104	CKSRYB103K50
	C	2108,2109,2115	CEAT470M25
	C	2111-2114,2116-2119	CKSRYB104K25
	C	2120,2121	CEHAT221M10
	C	2124,2125,2132-2139	CKSRYB104K25
	C	2142-2147	CKSRYB104K25

I MAIN ASSY

SEMICONDUCTORS

⚠	IC	1001	BA33BC0WFP
⚠	IC	1002	S-1170B25UC-OTK
⚠	IC	1003-1005	BD9326EFJ
	IC	1007-1010,1103	TC7SH08FUS1
	IC	1101,1104	TC7SHU04FUS1
	IC	1102	BU4230G
	IC	1105	DYW1787

Mark	No.	Description	Part No.
	IC	1106-1114,1602,1805	TC7SH08FUS1
	IC	1115	TC74HC4052AFT
	IC	1201	XC3S50A-4FTG256C
	IC	1302,1451	D610A003BPYPA225
	IC	1303,1452,1701,1702	K4S281632K-UC75
	IC	1304	DYW1789
	IC	1601	R5S77641N300BG
	IC	1703	DYW1790
	IC	1801-1804	DIR9001PW
	IC	1806,1819-1821	TC7SH08FUS1
	IC	1807-1810	TC74LCX157FTS1
	IC	1811,1813,1815,1817	CS8421-CZ
	IC	1812,1814,1816,1818	TC7WH157FU
	IC	1901-1904,1914-1919	TC7SH08FUS1
	IC	1907,1908,1910,1911	CS8421-CZ
	IC	1909	TC7W53FU
	IC	1912	AK4114VQ
	Q	1001,1006,1301,1451	RT1N241M
	Q	1002-1004	2SA1576A
	Q	1005,1101	RT1P241M-11
	Q	1901-1903,1905	RT1N241M
	Q	1904,1906	2SC4154
	D	1004-1006	RSX201L-30
	D	1009,1010,1101-1106	1SS355
	D	1011	UDZS3R3(B)
	D	1301,1451	SML-310DT
	D	1454-1461	1SS355

MISCELLANEOUS

	L	1001 INDUCTOR	CTH1253
	L	1101 CHIP COIL	LCTAW330J2520
	L	1607,1608 INDUCTOR	CTF1394
	L	1610 INDUCTOR	CTH1255
	L	1611 POWER INDUCTOR	DTH1205
	F	1301,1451 COIL	RTF1189
	F	1601,1602 EMI FILTER	CCG1160
	KN	1001-1006 EARTH METAL FITTING	VNF1109
	X	1101 CRYSTAL RESONATOR (20 MHz)	ASS7023
	X	1102 CRYSTAL RESONATOR (24 MHz)	ASS7025
	CN	1002 12P CONNECTOR	VKN1416
	CN	1101 32P CONNECTOR	VKN1436
	CN	1102 CONNECTOR	VKN1933
	CN	1103,1601,1602 26P CONNECTOR	VKN1430
	CN	1104-1106 20P CONNECTOR	VKN1424
	CN	1605 16P CONNECTOR	VKN1420
NSP		0 ID LABEL ASSY	AXW7015

RESISTORS

	R	1001,1023,1057,1101	RS1/8SQ0R0J
	R	1005	RS1/10SR9102D
	R	1006	RS1/10SR2202D
	R	1007	RS1/10SR2702D
	R	1008	RS1/10SR3901F
	R	1009	RS1/10SR2402F
	R	1010,1016	RS1/10SR1002F
	R	1011	RS1/10SR4701F
	R	1012	RS1/10SR3302F
	R	1013	RS1/10SR8201F
	R	1014	RS1/10SR1501F
	R	1015	RS1/10SR2201F
	R	1029-1033	RS1/4SA0R0J
	R	1081-1084	RAB4CQ470J
	R	1115,1118,1148,1159	RS1/8SQ0R0J
	R	1136,1141,1158	RAB4CQ220J
	R	1157,2157-2159	RAB4CQ151J
	R	1212,1310,1318,1341	RS1/8SQ0R0J
	R	1233,1238-1240	RAB4CQ121J
	R	1234-1237,1500,1504	RAB4CQ330J
	R	1249,1250	RAB4CQ101J
	R	1259-1262	RAB4CQ0R0J
	R	1327,1329,1333,1336	RAB4CQ100J
	R	1469,1474,1516,1734	RS1/8SQ0R0J
	R	1508,1511	RAB4CQ330J
	R	1630	RS1/10SR5601F
	R	1760,2149-2156,2165	RS1/16SS0R0J
	R	1762-1768,2166-2169	RS1/16SS151J
	R	1790,1816-1819	RS1/10SR6800D
	R	1808-1815,1924	RS1/10SR1002D
	R	1857,1863,1869,1875	RN1/16SE2001D
	R	1858,1864,1870,1876	RN1/16SE6202D
	R	1925	RN1/16SE3901D
	R	1928,1931,1937,1962	RN1/16SE2001D
	R	1929,1963	RN1/16SE6202D
	R	1932,1934,1938	RN1/16SE1602D
	R	1958	RN1/16SE1802D
	R	1976	RS1/8SQ0R0J
	R	2082-2096,2098	RS1/16SS330J
	R	2161-2163	RS1/16SS472J
		Other Resistors	RS1/10SR###J

CAPACITORS

	C	1001,1021-1023	CKSYB106K16
	C	1002,1003,1011,1012	CKSSYB104K16
	C	1004,1043-1045,1072	CKSYB106K10
	C	1010,1013,1052,1054	CEVW101M16
	C	1014,1018-1020,1031	CKSSYB104K16
	C	1028-1030,1040-1042	CKSRYB104K25
	C	1032,1034	CCSRCH222J50
	C	1033,1035,1046-1048	CKSSYB104K16
	C	1036	CCSRCH102J50
	C	1053,1055,1068-1070	CKSSYB104K16
	C	1073,1075	CKSYB106K10
	C	1076-1079,1103,1107	CKSSYB104K16
	C	1101,1111,1113,1129	CEVW101M16
	C	1102,1109	CKSSYB105K6R3
	C	1104,1114	CCSSCH220J50
	C	1105,1116	CCSSCH180J50
	C	1106	CKSSYB152K50
	C	1108,1223,1358,1647	CKSSYB103K25
	C	1110,1112,1115	CKSSYB104K16
	C	1117-1120,1130,1131	CKSSYB104K16
	C	1121-1127,1943	CKSSYB471K50
	C	1132,1202,1305,1321	CEVW101M16
	C	1135-1142,1201	CKSSYB104K16
	C	1203-1222,1301,1303	CKSSYB104K16
	C	1302,1360,1368,1452	DCH1201
	C	1304,1306-1317,1319	CKSSYB104K16
	C	1320,1322-1357	CKSSYB104K16
	C	1361-1367,1451,1453	CKSSYB104K16
	C	1454,1456-1469	CKSSYB104K16
	C	1455,1470,1711-1713	CEVW101M16

Mark	No.	Description	Part No.
	C	1471-1506,1510-1515	CKSSYB104K16
	C	1509,1702,1707 (10 u)	DCH1201
	C	1614-1646,1648-1653	CKSSYB104K16
	C	1655,1657,1659-1683	CKSSYB104K16
	C	1685-1687,1703-1706	CKSSYB104K16
	C	1710,1811-1814	CKSSYB103K25
	C	1714,1716,1805-1810	CKSSYB104K16
	C	1715,1936	CEVW101M16
	C	1801-1804,1823,1825 (10 u)	DCH1201
	C	1815,1817,1819,1821	CKSSYB104K16
	C	1816,1818,1820,1822	CKSSYB472K50
	C	1824,1826,1828,1830	CKSSYB683K10
	C	1827,1829,1839-1842(10 u)	DCH1201
	C	1831-1834,1847-1861	CKSSYB104K16
	C	1843-1846,1909,1910	CKSSYB103K25
	C	1862-1865,1907,1908 (10 u)	DCH1201
	C	1901-1904,1911,1912	CKSSYB104K16
	C	1913,1920,1921,1923 (10 u)	DCH1201
	C	1914,1925,1927,1931	CKSSYB103K25
	C	1915,1916,1918,1919	CKSSYB104K16
	C	1922,1926,1928,1932	CKSSYB104K16
	C	1924,1933 (10 u)	DCH1201
	C	1934,1939-1942,1944	CKSSYB104K16
	C	1945	CKSSYB104K16
	C	1946	CCSSCH102J50
	C	1947	CKSSYB473K10

J HAMP ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
⚠	IC	103	NJM78M12FA
	IC	5604	AK4382AVT
	IC	5605,5606	NJM4580MD
	Q	5605,5607	2SC4081
	Q	5606,5608,5614,5615	2SA1576A
	Q	5609,5611	2SC3076
	Q	5610,5612	2SA1241
	Q	5613	2SC3326
	Q	5616,5620	RT1N241M
	Q	5617	RT1P241M-11
	Q	5618,5619	2SA1576A
	D	5602-5607,5609	1SS355

MISCELLANEOUS

Mark	No.	Description	Part No.
	J	101 6P JUMPER WIRE	D20PYY0605E
	KN	101-104 WRAPPING TERMINAL	VNF1084
	RY	5601 RELAY	VSR1008
	CN	101 CONNECTOR	B6B-EH
	CN	102,103 PLUG(8P)	KM200NA8
	CN	104 CONNECTOR	B7B-EH
	CN	105 CONNECTOR	B7B-EH-K
	CN	106 CONNECTOR	B12B-EH
	CN	5601 12P CONNECTOR	VKN1416
	CN	5602 PLUG(4P)	KM200NA4
	JH	101 6P CABLE HOLDER	51048-0600
⚠	P	104 PROTECTOR(315 MA)	AEK7003
⚠	P	107,109,114 PROTECTOR(400 MA)	AEK7004
⚠	P	108,110,112 PROTECTOR(630 MA)	AEK7006
⚠	P	111 PROTECTOR(500 MA)	AEK7005

RESISTORS

Mark	No.	Description	Part No.
	R	5706-5709	RN1/16SE3901D
	R	5710-5713	RN1/16SE1502D
	R	5714-5717	RN1/16SE3301D
	R	5736,5737	RN1/16SE2201D
	R	5738,5740	RN1/16SE1201D
	R	5742,5744,5745,5747	RN1/16SE4701D
	R	5748-5751	RS1/10SR1001D
	R	5752-5755	RS1/10SR1801D
	R	5756-5759	RD1/2VM6R8J
	Other Resistors		RS1/10SR###J

CAPACITORS

Mark	No.	Description	Part No.
	C	101	CEAT471M16
	C	102,103,107,108	CEHAT101M25
	C	104-106,114,118	CKSRYB104K50
	C	111	CEAT470M25
	C	115,116,5622,5625	CEHAZL101M25
	C	117	CEAT221M10
	C	119,122	CEHAT101M25
	C	120,121,5605,5606	CKSRYB104K25
	C	5604	CKSRYB103K50
	C	5607	CEAT100M50
	C	5608,5609	CCSRCH681J50
	C	5610-5613	CCSRCH101J50
	C	5616,5617,5623,5624	CKSRYB104K25
	C	5618,5619	CEHAZL101M10
	C	5620,5621	CCSRCH222J50
	C	5632,5633	CKSYB106K16

K HREG ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
⚠	IC	104	NJM79M09FA
⚠	IC	105	NJM78M09FA
	D	5801,5802	RB501V-40

MISCELLANEOUS

Mark	No.	Description	Part No.
	CN	110 6P JUMPER CONNECTOR	52151-0610

CAPACITORS

Mark	No.	Description	Part No.
	C	5801-5804	CKSRYB104K50

L HPJK ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	JA	6001 HEADPHONE JACK	DKN1281
	CN	6001 L-PLUG(4P)	KM200NA4L

RESISTORS

Mark	No.	Description	Part No.
	All Resistors		RS1/10SR###J

CAPACITORS

Mark	No.	Description	Part No.
	C	6001,6002	CKSRYB104K25

M AOUT ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
	IC	5001,5002,5004,5005	TC7SH08FUS1
	IC	5007,5008	TC7SH08FUS1
	IC	5010	AK4390EF
	IC	5011,5012,5203,5204	NJM4580MD
	IC	5201,5401,5501	AK4387ET

Mark	No.	Description	Part No.
IC	5202,5402,5403,5505		RNB4580F
IC	5404		AK5358AET
IC	5502		NJM4565MD
IC	5503,5504		NJM4580MD
Q	5003-5005,5010,5011		HN1C01FU
Q	5006-5009		2SK3320
Q	5012-5015		2SK3320D1
Q	5016,5017,5026-5029		HN1C01FU
Q	5018,5020,5022,5024		2SA1312
Q	5019,5021,5023,5025		2SA1162
Q	5030,5032,5034,5036		2SA1312
Q	5031,5033,5035,5037		2SA1162
Q	5038,5041,5044,5047		2SC2712
Q	5039,5042,5045,5048		2SC5868
Q	5040,5043,5046,5049		2SA2090
Q	5050,5509		RT1N241M
Q	5051		2SC3326
Q	5052-5054,5056,5058		2SA1576A
Q	5055,5057,5059,5061		2SC4154
Q	5060,5511		2SA1576A
Q	5201,5203,5204,5207		2SK209
Q	5202,5205,5206,5208		INC2002AC1
Q	5401,5402		2SK209
Q	5403,5404,5501-5508		INC2002AC1
Q	5510		2SC4154
Q	5512-5515		HN1C01FU
Q	5516,5517		2SC5868
D	5002-5021		1SS355
D	5100		HZU5R1(B1)
D	5401		UDZS3R3(B)
D	5402,5403		RB706D-40
D	5405-5408		HZU3R0(B1)

MISCELLANEOUS

JA	5001,5002	CANON CONNECTOR	DKB1093
JA	5201	JACK	DKB1083
JA	5401	HEADPHONE JACK	DKB1078
JA	5402-5404	HP JACK	DKN1452
JA	5501,5502	JACK	DKN1249
KN	5001-5003	WRAPPING TERMINAL	VNF1084
RY	5001,5002	RELAY	VSR1008
S	5001	SLIDE SWITCH	DSH1063
CN	5001	20P CONNECTOR	VKN1424
CN	5002	CONNECTOR	B12B-EH
0		CANON SHIELD	DNF1789

RESISTORS

Mark	No.	Part No.
R	5022,5035,5048,5053	RN1/16SE4700D
R	5023-5030	RN1/16SE1301D
R	5031-5034,5038,5041	RN1/16SE8201D
R	5036,5037,5039,5040	RN1/16SE1101D
R	5042,5043,5045,5046	RN1/16SE1101D
R	5044,5047,5575-5582	RN1/16SE8201D
R	5054-5057,5060-5063	RN1/16SE2201D
R	5058,5251,5252	RN1/16SE4301D
R	5059,5077,5079,5085	RN1/16SE4700D
R	5064-5067	RN1/16SE4702D
R	5068-5075	RN1/16SE2001D
R	5076,5078,5261,5516	RN1/16SE4701D
R	5084,5086,5087	RN1/16SE6800D
R	5088,5094,5095	RN1/16SE4700D
R	5089-5093	RN1/16SE6800D
R	5096,5098,5100,5102	RN1/16SE2701D
R	5097,5099,5101,5103	RN1/16SE5102D
R	5105,5107,5109,5111	RN1/16SE2200D
R	5112-5115	RN1/16SC68R0D
R	5116-5119	RN1/16SE2200D
R	5120-5127	RD1/4MUF330J
R	5128-5131	RD1/2VM220J
R	5132-5134,5139	RN1/16SE3901D
R	5135,5138,5140,5143	RN1/16SE1001D
R	5136,5137,5141,5142	RN1/16SE1501D
R	5144-5147,5185,5186	RN1/16SE3301D
R	5208,5227	RS1/10SR5101D
R	5209,5211,5228,5233	RS1/10SR4702D
R	5210,5230,5415,5416	RS1/10SR4701D
R	5212,5234,5425,5427	RS1/10SR4301D
R	5213-5216	RN1/16SE1202D
R	5217-5220	RN1/16SE1502D
R	5223,5231,5232,5245	RD1/2VM331J
R	5224,5225,5235,5236	RN1/16SE1002D
R	5411,5412	RN1/16SE3602D
R	5417,5418,5423,5424	RS1/10SR4702D
R	5421,5422	RS1/10SR4701D
R	5428,5429	RD1/2VM821J
R	5508,5509	RN1/16SE5601D
R	5510,5511,5514,5515	RN1/16SE6202D
R	5512,5513	RN1/16SE5101D
R	5517	RN1/16SE4701D
R	5518-5521,5526-5529	RS1/10SR4301D
R	5522-5525,5532-5535	RN1/16SE2202D
R	5530,5531,5536,5537	RN1/16SE5600D
R	5538-5541	RS1/10SR5601D
R	5546,5548,5550,5552	RN1/16SE1200D
R	5567-5574	RN1/16SE1501D
R	5596,5597	RS1/10SR2202D
R	5599-5602	RS1/10SR3303D
R	5627,5628	RN1/16SE3301D
Other Resistors		RS1/10SR###J

CAPACITORS

C	5001-5004,5043	CKSRYB104K50
C	5005,5006,5025,5026	CEHAZL101M10
C	5007-5010,5012,5013	CKSRYB104K25
C	5015,5016,5019-5022	CKSRYB104K25
C	5018,5201,5401,5443	CKSRYB103K50
C	5023,5024	CEHAZL220M50
C	5027-5030	CCSQCH562J50
C	5031-5034,5039-5042	CCSRCH181J50
C	5035-5038	CKSRYB272K50
C	5044,5048,5057,5084	CEHAZL331M25
C	5045-5047,5058,5083	CKSRYB104K50
C	5049,5051,5053,5055	CKSRYB473K50
C	5050,5052,5054,5056	DCH1323
C	5059-5062	CKSRYB473K50
C	5063-5070	CKSRYB334K25
C	5072,5074,5076,5078	CCSRCH120J50
C	5079-5082	CCSRCH471J50
C	5089	CEANP101M16
C	5090,5092,5104,5105	CEAT470M25

Mark	No.	Description	Part No.
	C	5091,5093,5516,5518	CEHAT101M25
	C	5094-5097,5236,5237(4700 p)	DCE1016
	C	5098,5099,5106,5107	CKSRYB104K50
	C	5100-5103	CCSRCH122J50
	C	5110,5111,5220-5222	CEANP100M35
	C	5190,5203,5204	CKSRYB104K25
	C	5191	CKSRYB103K25
	C	5192,5193,5209,5210	CCSRCH101J50
	C	5194	CEHAZL100M50
	C	5202,5205,5241-5244	CEAT100M50
	C	5207,5227,5415,5416	CCSQCH472J50
	C	5208,5228,5417,5418	CCSRCH152J50
	C	5211,5231,5421,5426	CKSRYB334K10
	C	5212-5215,5223,5225	CKSRYB104K25
	C	5216,5217,5404,5405	CCSRCH101J50
	C	5218,5234,5427,5429	CCSRCH560J50
	C	5219,5235	CKSRYB102K50
	C	5224,5226	CCSRCH151J50
	C	5229,5230,5431,5432	CKSRYB473K25
	C	5232,5233,5238,5437	CEANP100M35
	C	5239,5240,5441,5442 (4700 p)	DCE1016
	C	5402,5407,5411,5412	CEAT100M50
	C	5403,5406,5419,5420	CKSRYB104K25
	C	5408,5409	CCSRCH102J50
	C	5422-5424,5430,5433	CEAT100M50
	C	5425,5428,5435,5436	CKSRYB104K25
	C	5434,5439,5502,5505	CEAT100M50
	C	5438	CEANP100M35
	C	5440,5503,5504,5515	CKSRYB104K25
	C	5501	CKSRYB103K50
	C	5507,5508,5541,5542	CEAT100M50
	C	5509,5510 (5600 p)	DCE1019
	C	5511,5512	CCSRCH182J50
	C	5513,5514	CCSRCH560J50
	C	5517,5523,5524,5531	CKSRYB104K25
	C	5519-5522,5525-5528	CCSRCH101J50
	C	5529,5530,5533,5534	CEANP470M25
	C	5532,5547-5556	CKSRYB104K25
	C	5535-5538 (4700 p)	DCE1016
	C	5543-5546	CKSRYB474K10

N PNLE ASSY

SEMICONDUCTORS

	IC	7501	DYW1788
	IC	7503	TC74HC4052AF
	Q	7506-7512,7514-7518	2SC4154
	Q	7519,7521	RT1N431M
	Q	7520,7522	2SB1188
	Q	7523,7524	2SC4154
	D	7501-7510,7512,7513	1SS355
	D	7515,7517,7519,7527	SLI-343YYW(TUV)
	D	7520-7522,7530-7532	SLI-343URCW(RST)
	D	7526	SLR-343VC(NPQ)
	D	7529,7571	SLI-343YYW(TUV)
	D	7533,7534,7538,7541	1SS355
	D	7542,7545-7547	1SS355
	D	7553-7570,7572-7577	1SS355

MISCELLANEOUS

	L	7501 CHIP COIL	LCTAW330J2520
	VR	7501,7502 POTENTIOMETER	DCS1106
	VR	7503,7504 VARIABLE RESISTOR	DCS1100
	VR	7505 ROTARY VR	DCS1086
	VR	7506-7509 VARIABLE RESISTOR	DCS1100
	VR	7543 VARIABLE RESISTOR	DCS1100
	S	7501 SLIDE SWITCH	DSH1066
	S	7502,7505,7506,7511 TACT SWITCH	DSG1079
	S	7509,7513 SLIDE SWITCH	DSH1058
	S	7512,7515-7518 TACT SWITCH	DSG1079
	S	7519,7520 LEVER SWITCH	DSK1026
	X	7501 CERAMIC RESONATOR	DSS1180
	CN	7501,7502,7509 32P CONNECTOR	VKN1263
	CN	7503 19P CONNECTOR	VKN1250
	CN	7506 PLUG(4P)	KM200NA4
	CN	7507 PLUG(4P)	KM200NA4R
	CN	7508 L-PLUG(3P)	KM200NA3L

RESISTORS

	All Resistors		RS1/10SR###J

CAPACITORS

	C	7501,7504,7506-7509	CKSRYB104K25
	C	7502,7519,7522	CEJQ101M10
	C	7503	CKSRYB103K50
	C	7505	CKSRYB105K10
	C	7510-7515,7525-7528	CKSRYB471K50
	C	7518,7521,7523,7524	CKSRYB104K25
	C	7529,7530,7535-7542	CKSRYB104K25
	C	7531-7534	CKSRYB471K50
	C	7543	CEAT471M6R3
	C	7544,7545	CKSRYB104K25

O CFD1 ASSY

MISCELLANEOUS

	VR	8011 VARIABLE RESISTOR	DCV1020
	CN	8011 L-PLUG(4P)	KM200NA4L

P CFD2 ASSY

MISCELLANEOUS

	VR	8021 VARIABLE RESISTOR	DCV1020
	CN	8021 PLUG(4P)	KM200NA4LR

Q CRFD ASSY

MISCELLANEOUS

	VR	8001 VARIABLE RESISTOR	DCV1006
	CN	8001 L-PLUG(3P)	KM200NA3L

R PNCE ASSY

SEMICONDUCTORS

	IC	7000,7001	TC74HC4052AF
	IC	7002	NJM2903M
	Q	7007-7016,7032-7034	2SC4154
	Q	7017,7019,7021,7023	RT1N431M
	Q	7018,7020,7022,7024	2SB1188
	Q	7025,7027,7035	RT1N431M
	Q	7026,7028,7036	2SB1188
	Q	7029	RT1P431M

Mark	No.	Description	Part No.
	D	7008,7009,7025,7026	SLR-343VC(NPQ)
	D	7010-7013,7027-7030	SLI-343YYW(TUV)
	D	7014-7022,7031-7039	SLR-343MC(NPQ)
	D	7023,7024,7040,7041	SLI-343URCW(RST)
	D	7042,7043,7059,7060	SLR-343VC(NPQ)
	D	7044-7047,7061-7064	SLI-343YYW(TUV)
	D	7048-7056,7065-7073	SLR-343MC(NPQ)
	D	7057,7058,7074,7075	SLI-343URCW(RST)
	D	7076,7077,7091,7092	SLR-343VC(NPQ)
	D	7078-7081,7093-7096	SLI-343YYW(TUV)
	D	7082-7090,7097-7105	SLR-343MC(NPQ)
	D	7106-7109,7111-7113	1SS355
	D	7115,7116,7119,7120	1SS355
	D	7122-7124,7129-7133	1SS355
	D	7142-7152	SLI-343YYW(TUV)
	D	7153,7170-7176	SLI-343URCW(RST)
	D	7154	SLR343EC4T(LMN)
	D	7155-7169	1SS355

MISCELLANEOUS

	VR	7000-7011 VARIABLE RESISTOR	DCS1100
	VR	7012 ROTARY VR	DCS1086
	VR	7013 VARIABLE RESISTOR	DCS1100
	S	7000 12MM GS ENCODER	DSX1064
	S	7002-7005,7007-7009 TACT SWITCH	DSG1079
	S	7010,7013,7019 LEVER SWITCH	DSK1026
	S	7012,7016,7018 TACT SWITCH	DSG1079
	S	7021-7039 TACT SWITCH	DSG1079
	CN	7000 25P CONNECTOR	VKN1256
	CN	7001,7002 32P CONNECTOR	VKN1263

RESISTORS

		All Resistors	RS1/10SR###J

CAPACITORS

	C	7000	CEAT471M6R3
	C	7001	CEJQ101M10
	C	7002,7003,7007-7012	CKSRYB104K25
	C	7004,7005	CKSRYB103K50
	C	7013-7018,7020,7021	CKSRYB471K50
	C	7019,7022,7024,7029	CKSRYB104K25
	C	7023,7025-7028	CKSRYB471K50
	C	7030-7032	CKSRYB471K50
	C	7033-7048	CKSRYB104K25

S PNRI ASSY

SEMICONDUCTORS

	Q	7800-7803	2SC4154
	D	7800,7801,7812-7826	1SS355
	D	7802,7804,7805,7807	SLI-343YYW(TUV)
	D	7808,7810	SLI-343YYW(TUV)
	D	7811	SLR343WBD2PT(Z1)
	D	7827	SLR-343VC(NPQ)
	D	7828	1SS355

MISCELLANEOUS

	VR	7800 ROTARY VR	DCS1086
	VR	7801,7803 POTENTIOMETER	DCS1106
	VR	7802 VARIABLE RESISTOR	DCS1100
	S	7800-7802 SLIDE SWITCH	DSH1058
	S	7803,7804,7807-7809 TACT SWITCH	DSG1079
	S	7805,7806,7810 SLIDE SWITCH	DSH1066
	CN	7801 25P CONNECTOR	VKN1256
	CN	7802 PLUG(4P)	KM200NA4
	CN	7803 PLUG(4P)	KM200NA4R

RESISTORS

		All Resistors	RS1/10SR###J

CAPACITORS

	C	7800,7803	CEJQ101M10
	C	7801,7802,7804-7809	CKSRYB104K25

T CFD3 ASSY

MISCELLANEOUS

	VR	8031 VARIABLE RESISTOR	DCV1020
	CN	8031 L-PLUG(4P)	KM200NA4L

U CFD4 ASSY

MISCELLANEOUS

	VR	8041 VARIABLE RESISTOR	DCV1020
	CN	8041 PLUG(4P)	KM200NA4LR

V TFTB ASSY

SEMICONDUCTORS

⚠	IC	2601	TK61222CQ6
	Q	2601	RSQ025P03
	D	2601	RB160M-60

MISCELLANEOUS

	L	2401 INDUCTOR	CTF1473
	L	2601 INDUCTOR	CTF1545
	L	2603 CHOKE COIL	CTH1435
	KN	2401-2404 WRAPPING TERMINAL	VNF1084
	CN	2401 26P CONNECTOR	VKN1430
	CN	2402 16P CONNECTOR	VKN1420
	CN	2403 CONNECTOR(9P)	DKN1624
	CN	2404 CONNECTOR	CKS5660
	CN	2601 CONNECTOR	CKS5561

RESISTORS

	R	2609	RS1/10SR6202D
	R	2613	RS1/10SR1004D
	R	2614	RS1/10SR8202D
		Other Resistors	RS1/10SR###J

CAPACITORS

	C	2401,2402	CEVW101M16
	C	2403,2404,2406,2412	CKSRYB104K25
	C	2411 (10 u/10 V)	DCH1201
	C	2601,2603,2605,2606 (10 u/35 V)	CCG1236
	C	2602,2609	CKSRYB104K25
	C	2604,2607,2608	CKSRYB105K16
	C	2610	CKSRYB474K10
	C	2611,2612 (10 u/35 V)	CCG1236

W TPRI ASSY

SEMICONDUCTORS

	Q	8100,8101	2SC4154
	D	8108,8112,8118	1SS355
	D	8117	SLR343WBD2PT(Z1)

Mark	No.	Description	Part No.
	D	8123,8124	SLI-343URCW(RST)
	D	8125,8126	SLR343BC4T(JKLM)
	D	8129,8130	SML-012WT(UVWXY)

MISCELLANEOUS

	S	8106,8110-8113	TACT SWITCH DSG1079
	CN	8100	12P CONNECTOR VKN1272

RESISTORS

All Resistors	RS1/10SR###J

X TPLE ASSY

SEMICONDUCTORS

Q	8070	2SA1576A
D	8071,8072	SLI-343YYW(TUV)
D	8074,8075	1SS355
D	8076	SLR-343VC(NPQ)

MISCELLANEOUS

S	8070,8072,8074	TACT SWITCH	DSG1079
CN	8070	19P CONNECTOR	VKN1279
CN	8071	12P CONNECTOR	VKN1272

RESISTORS

All Resistors	RS1/10SR###J

Y POWER SUPPLY ASSY

There is no service parts.

Z ACSW ASSY

MISCELLANEOUS

⚠	S	1	SWITCH	DSA1036
⚠	CN	1	CONNECTOR 2P	2-178496-4
		0	MASK	DEC3212
⚠		0	CONNECTOR ASSY	DKP3799

CAPACITORS

⚠	C	1	ACG7030