DENON PROFESSIONAL

Ver.1

SERVICE MANUAL

MODEL	JP	E3	E2	EK	EA	E1	E1K	E1C
MC6000MK2EM		✓	✓					

Professional Digital Mixer and Controller

• For purposes of improvement, specifications and design are subject to change without notice.

• Please use this service manual with referring to the operating instructions without fail.

• Some illustrations using in this service manual are slightly different from the actual set.

D&M Holdings Inc.

S0768-1V01DM/DG1312

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WARNING: Violators will be prosecuted to the maximum extent possible.

CONTENTS

ABOUT THIS MANUAL

Read the following information before using the service manual.

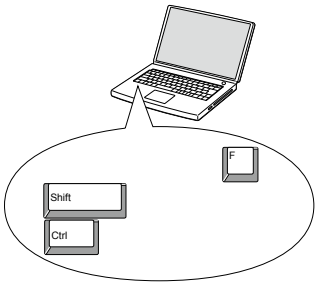
What you can do with this manual

Search for a Ref. No. (phrase) (Ctrl+Shift+F)

You can use the search function in Acrobat Reader to search for a Ref. No. in parts lists.

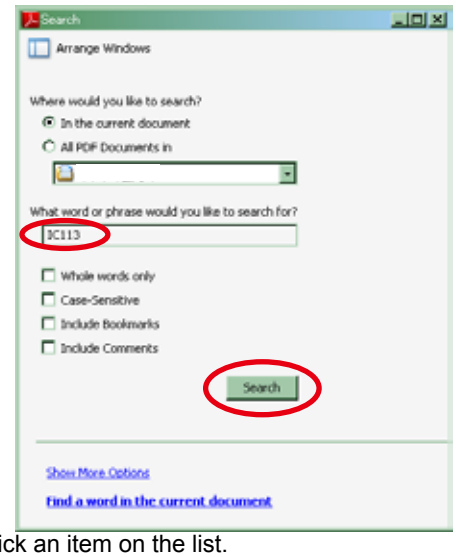
1.Press **Ctrl+Shift+F** on the keyboard.

- The Search window appears.



2.Enter the Ref. No. you want to search for in the Search window, and then click the **Search** button.

•A list of search results appears.



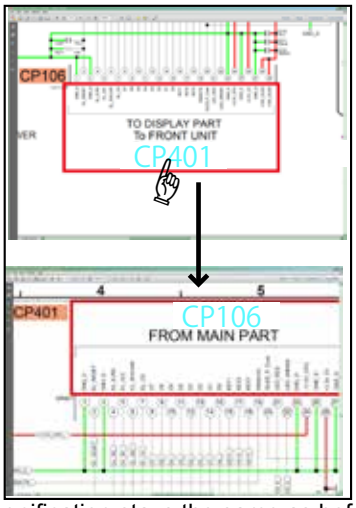
3.Click an item on the list.

• The screen jumps to the page for that item, and the search phrase is displayed.

Jump to the target of a schematic diagram connector

Click the Ref. No. of the target connector in the red box around a schematic diagram connector.

•The screen jumps to the target connector.



•Page magnification stays the same as before the jump.

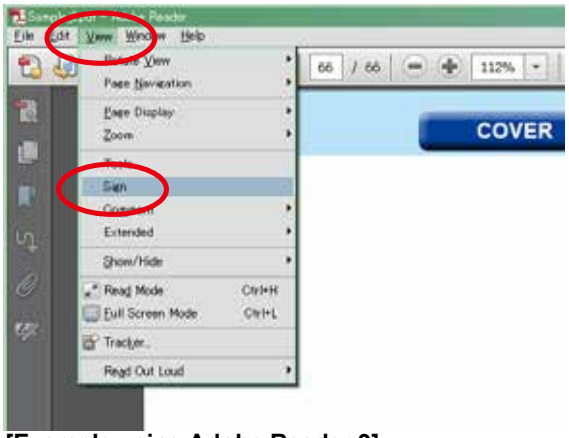
Using Adobe Reader (Windows version)

Add notes to this data (Sign)

The Sign function lets you add notes to the data in this manual.
Save the file once you have finished adding notes.

[Example using Adobe Reader X]
On the **"View"** menu, click **"Sign"**.

- The Sign pane appears.



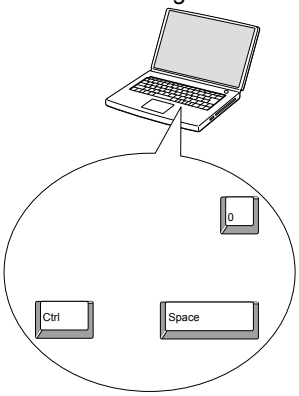
[Example using Adobe Reader 9]
On the **"Document"** menu, click **"Sign"**.

Magnify schematic / printed wiring board diagrams - 1

(Ctrl+Space, mouse operation)

Press **Ctrl+Space** on the keyboard and drag the mouse to select the area you want to view.

- The selected area is magnified.

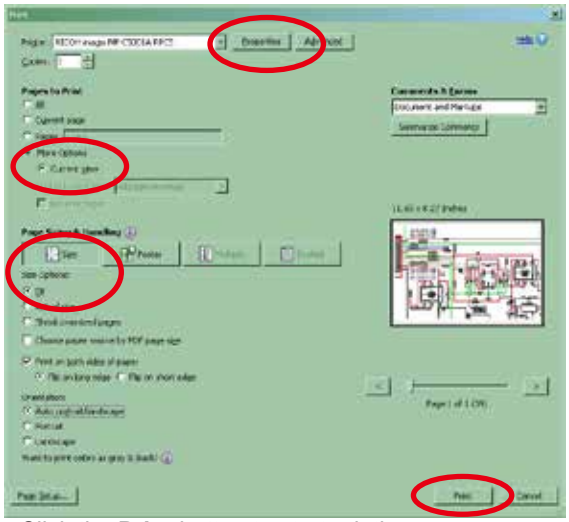


- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl+0** on the keyboard.

Print a magnified part of the manual

The Properties dialog box and functions will vary depending on your printer.

1. Drag the mouse to magnify the part you want to print.
2. On the **"File"** menu, click **"Print"**.
3. Configure the following settings in the Print dialog box.



- **Properties**
  Click this button and check that the printer is set to a suitable paper size.
- **Page to print**
  Select the following checkbox.
  "More Options" : **"Current View"**
- **Page Sizing & Handling**
  Select the following checkbox.
  "Size" / **"Size Options"** : **"Fit"**

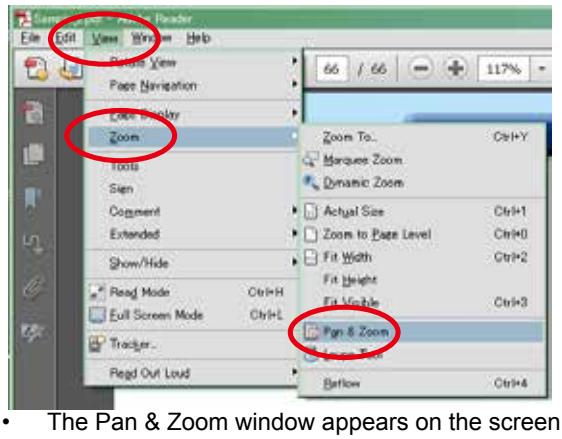
4. Click the **Print** button to start printing.

Magnify schematic / printed wiring board diagrams - 2

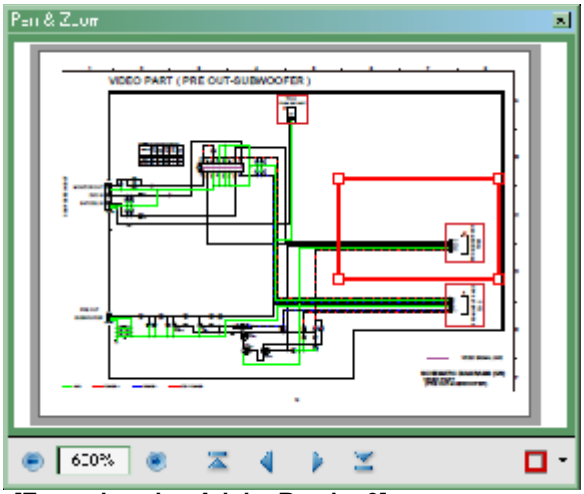
(Pan & Zoom function)

The Pan & Zoom function lets you see which part of a magnified diagram is being shown in a separate window.

[Example using Adobe Reader X]
On the **"View"** menu, point to **"Zoom"**, and then click **"Pan & Zoom"**.



- The Pan & Zoom window appears on the screen.



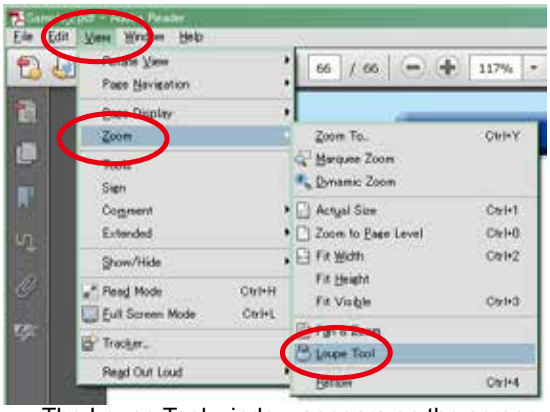
[Example using Adobe Reader 9]
On the **"Tools"** menu, point to **"Select & Zoom"**, and then click **"Pan & Zoom Window"**.

Magnify schematic / printed wiring board diagrams - 3

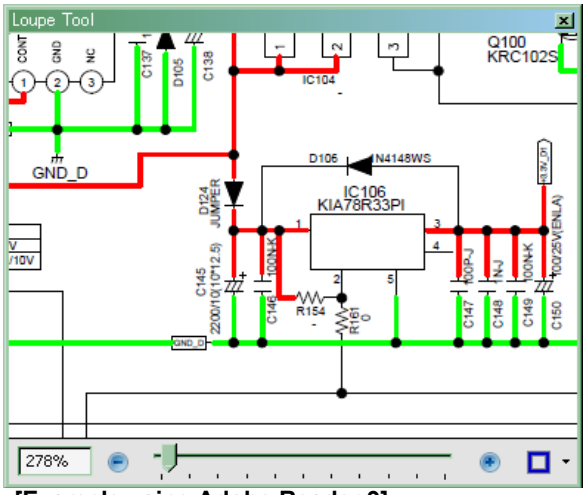
(Loupe Tool function)

The Loupe Tool function lets you magnify a specific part of a diagram in a separate window.

[Example using Adobe Reader X]
On the **"View"** menu, point to **"Zoom"**, and then click **"Loupe Tool"**.



- The Loupe Tool window appears on the screen.



[Example using Adobe Reader 9]
On the **"Tools"** menu, point to **"Select & Zoom"**, and then click **"Loupe Tool Window"**.

SAFETY PRECAUTIONS

The following items should be checked for continued protection of the customer and the service technician.

leakage current check

Before returning the set to the customer, be sure to carry out either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the set is defective.

Be sure to test for leakage current with the AC plug in both polarities, in addition, when the set's power is in each state (on, off and standby mode), if applicable.

CAUTION **Please heed the following cautions and instructions during servicing and inspection.**

◎ **Heed the cautions!**

Cautions which are delicate in particular for servicing are labeled on the cabinets, the parts and the chassis, etc. Be sure to heed these cautions and the cautions described in the handling instructions.

◎ **Cautions concerning electric shock!**

(1) An AC voltage is impressed on this set, so if you touch internal metal parts when the set is energized, you may get an electric shock. Avoid getting an electric shock, by using an isolating transformer and wearing gloves when servicing while the set is energized, or by unplugging the power cord when replacing parts, for example.

(2) There are high voltage parts inside. Handle with extra care when the set is energized.

◎ **Caution concerning disassembly and assembly!**

Through great care is taken when parts were manufactured from sheet metal, there may be burrs on the edges of parts. The burrs could cause injury if fingers are moved across them in some rare cases. Wear gloves to protect your hands.

◎ **Use only designated parts!**

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). Be sure to use parts which have the same properties for replacement. The burrs have the same properties. In particular, for the important safety parts that are indicated by the ⚠ mark on schematic diagrams and parts lists, be sure to use the designated parts.

◎ **Be sure to mount parts and arrange the wires as they were originally placed!**

For safety seasons, some parts use tapes, tubes or other insulating materials, and some parts are mounted away from the surface of printed circuit boards. Care is also taken with the positions of the wires by arranging them and using clamps to keep them away from heating and high voltage parts, so be sure to set everything back as it was originally placed.

◎ **Make a safety check after servicing!**

Check that all screws, parts and wires removed or disconnected when servicing have been put back in their original positions, check that no serviced parts have deteriorate the area around. Then make an insulation check on the external metal connectors and between the blades of the power plug, and otherwise check that safety is ensured.

(Insulation check procedure)

Unplug the power cord from the power outlet, disconnect the antenna, plugs, etc., and on the power. Using a 500V insulation resistance tester, check that the insulation resistance value between the inplug and the externally exposed metal parts (antenna terminal, headphones terminal, input terminal, etc.) is 1MΩ or greater. If it is less, the set must be inspected and repaired.

CAUTION **Concerning important safety parts**

Many of the electric and the structural parts used in the set have special safety properties. In most cases these properties are difficult to distinguish by sight, and the use of replacement parts with higher ratings (rated power and withstand voltage) does not necessarily guarantee that safety performance will be preserved. Parts with safety properties are indicated as shown below on the wiring diagrams and the parts list in this service manual. Be sure to replace them with the parts which have the designated part number.

(1) Schematic diagrams.....Indicated by the ⚠ mark.

(2) Parts lists.....Indicated by the ⚠ mark.

The use of parts other than the designated parts could cause electric shocks, fires or other dangerous situations.

NOTE FOR SCHEMATIC DIAGRAM

WARNING:
Parts indicated by the z mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.
CAUTION:
Before returning the set to the customer, be sure to carry out either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the set is defective.
WARNING:
DO NOT return the set to the customer unless the problem is identified and remedied.
NOTICE:
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM / M=1,000,000 OHM
ALL CAPACITANCE VALUES ARE EXPRESSED IN MICRO FARAD, UNLESS OTHERWISE INDICATED. P INDICATES MICRO-MICRO FARAD. EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

NOTE FOR PARTS LIST

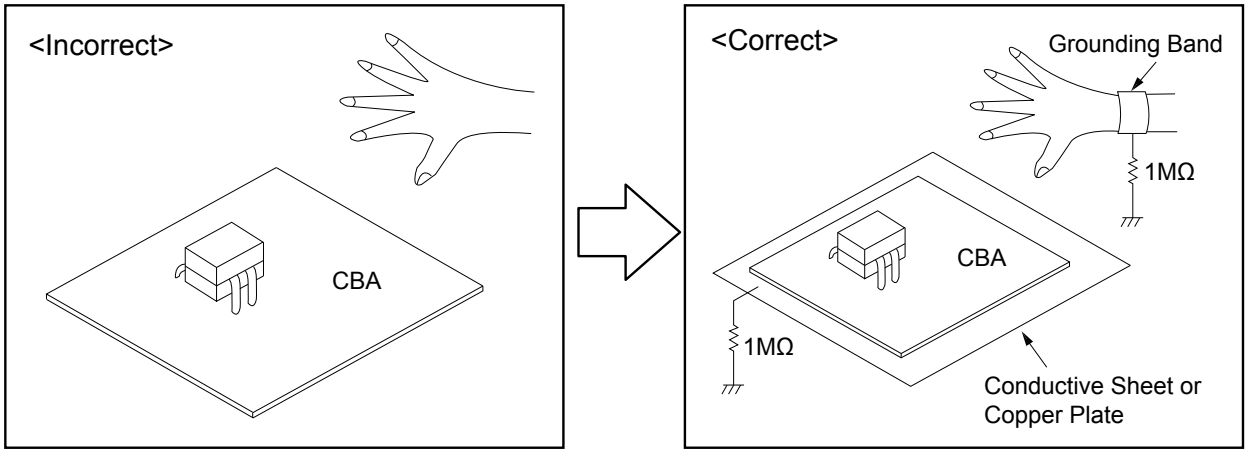
1. Parts indicated by "nsp" on this table cannot be supplied.
2. When ordering a part, make a clear distinction between "1" and "I" (i) to avoid mis-supplying.
3. A part ordered without specifying its part number can not be supplied.
4. Part indicated by " ★ " mark is not illustrated in the exploded view.

WARNING: Parts indicated by the ⚠ mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

INSTRUCTIONS FOR HANDLING SEMI-CONDUCTORS AND OPTICAL UNIT

Electrostatic breakdown of the semi-conductors or optical pickup may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

1. Ground for Human Body
   Be sure to wear a grounding band (1 MΩ) that is properly grounded to remove any static electricity that may be charged on the body.
2. Ground for Workbench
   Be sure to place a conductive sheet or copper plate with proper grounding (1 MΩ) on the workbench or other surface, where the semi-conductors are to be placed. Because the static electricity charge on clothing will not escape through the body grounding band, be careful to avoid contacting semi-conductors with your clothing



Personal notes:

TECHNICAL SPECIFICATIONS

❑Audio

(0 dBu=0.775 Vrms, 0 dBV =1 Vrms)

·**PHONO inputs**	2 Stereo Unbalanced RCA terminal
Input impedance:	50 kΩ/kohms
Level:	–40 dBV(10 mV)
Signal to Noise ratio:	Over 82 dB
·**LINE 1, 2 inputs**	2 Stereo Unbalanced RCA terminal
Input impedance:	10 kΩ/kohms
Level:	0 dBV
Signal to Noise ratio:	Over 84 dB
·**LINE 3, 4 inputs**	2 Stereo Unbalanced RCA terminal
Input impedance:	10 kΩ/kohms
Level:	0 dBV
Signal to Noise ratio:	82 dB or later
·**Equalizer (CH)**	3 Band
Channel EQ Adjustment Range:	HI (High Range) : –∞, –90 dB – +10 dB MID (Medium Range) : –∞, –90 dB – +10 dB LOW (Low Range) : –∞, –90 dB – +6 dB
·**MIC inputs**	2 Monaural
MIC 1:	Combo jack (terminal for balanced XLR and balanced 1/4 inch TRS) (1: ground, 2: hot, 3: cold, chip: hot, ring: cold, sleeve: ground)
MIC 2:	Balanced 1/4 inch TRS terminal
Input impedance:	5 kΩ/kohms
Level:	–60 dBu – –16 dBu
·**Equalizer (MIC)**	3 Band
Adjustment Range:	HI (High Range) : –15 – +15 dB MID (Medium Range) : –15 – +15 dB LOW (Low Range) : –15 – +15dB
·**USB audio inputs**	2 Stereo (4 Monaural) 16 bit, Fs : 44.1 kHz USB B
·**MASTER output**	
Balanced:	Stereo, balanced XLR terminal (1: Ground, 2: Hot, 3: Cold)
DA converter:	24 bit
Load impedance:	Over 600 Ω/ohms
Level:	+ 4 dBu (Max + 24 dBu) When RL=100 kΩ/kohms
Frequency response:	20 Hz – 20 kHz (±1 dB)
THD:	Less than 0.05%
Crosstalk:	Less than –90 dB (1 kHz)
Unbalanced:	Stereo RCA terminal
Load impedance:	100 kΩ/kohms
Level:	0 dBu (Max + 20dBu)
·**BOOTH Output**	Stereo balanced 1/4 inch TRS terminal
Load impedance:	Over 600 Ω/ohms
Level:	+ 4 dBu (Max + 24 dBu) When RL=100 kΩ/kohms
·**Headphone output**	Stereo
Load impedance:	40 Ω/ohms
Level:	100 mW
·**USB audio output**	2 Stereo (4 Monaural) 16 bit, 44.1 kHz USB B

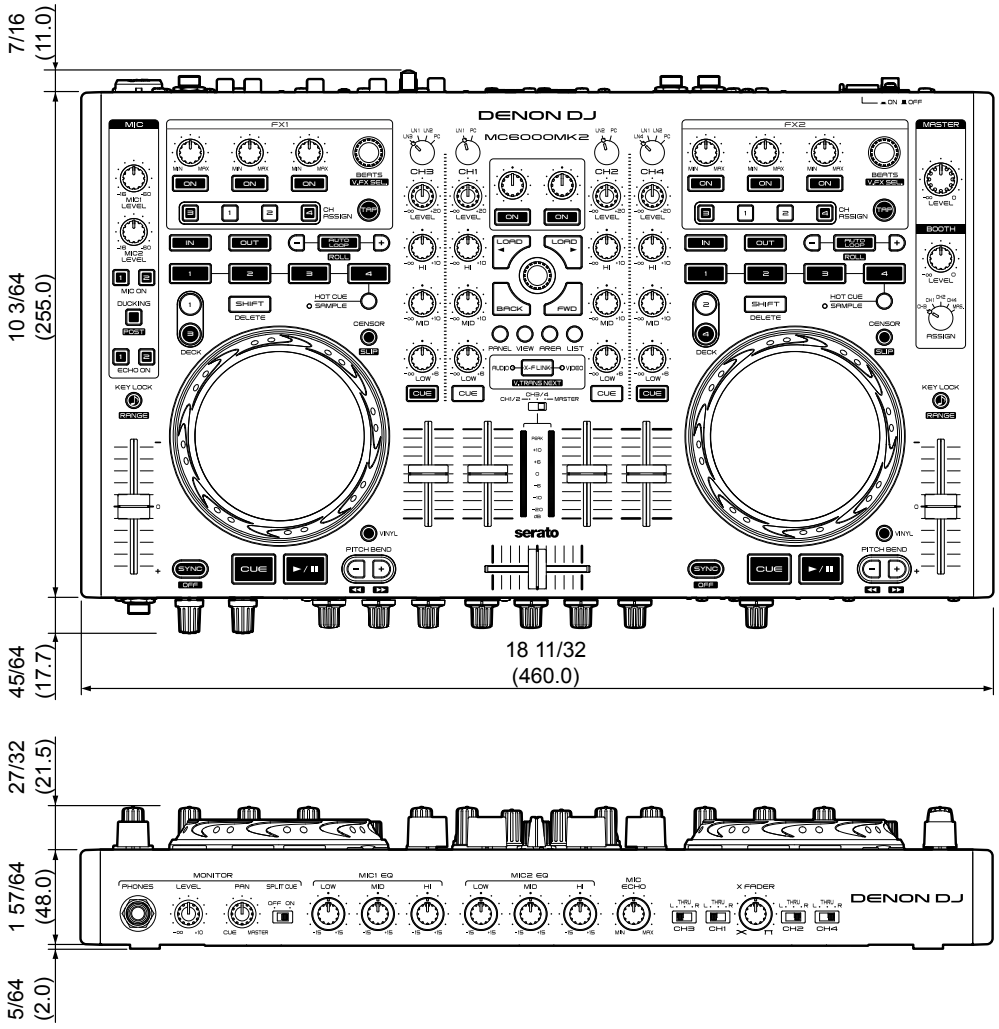
❑General

USB MIDI I/O:	IN: 1ch, OUT: 1ch MIDI 1.0, MIDI Clock USB B
CH/MASTER Meter:	PPM 7 Point LED –20 – +10 dB, Peak
CH Fader:	45 mm Slim Type Fader
Cross Fader:	45 mm Fader
·**Power voltage:**	DC12V (the unit)
AC adapter input:	
U.S.A. and Canada models:	AC 120 V, 60 Hz
European,U.K. and Asia/ Pacific models:	AC 230 V, 50 Hz
AC adapter output:	DC 12V 3A
Power consumption:	24 W
Operating temperature:	+5 °C – +35 °C
Operating humidity:	25 % – 85 %
Storage temperature:	–20 °C – 60 °C

For the purpose of improvement, the specifications and design are subject to change without notice.

DIMENSION

Unit : in. (mm)



Weight : 9 lbs 8 oz (4.3 kg)

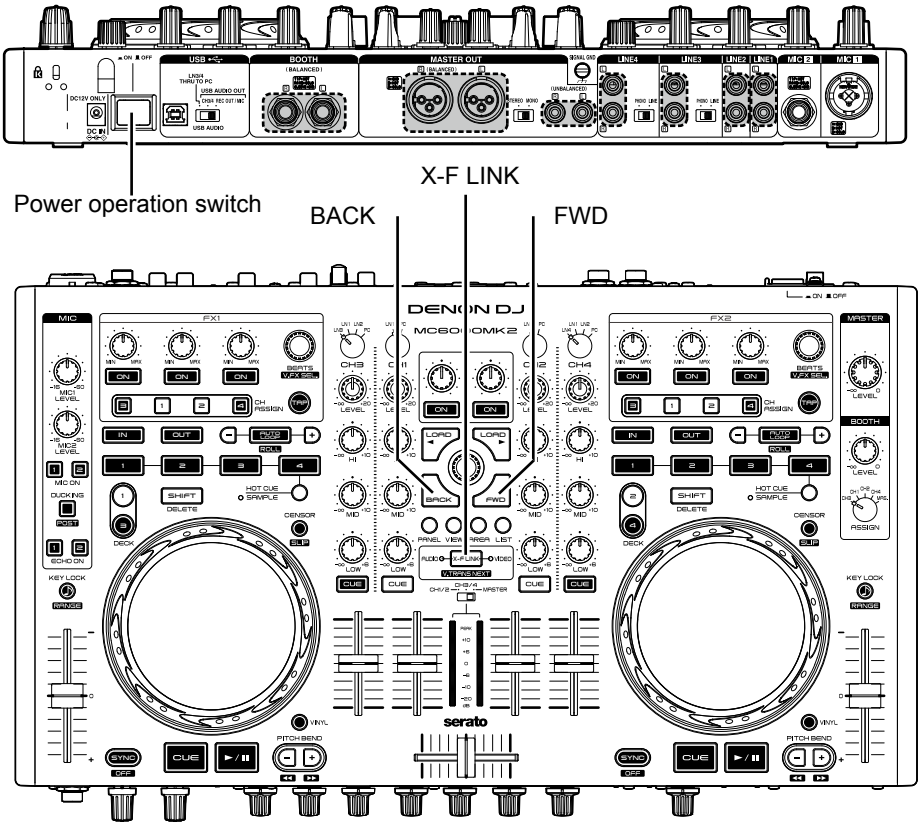
PRECAUTIONS DURING SERVICE

Initializing This Unit

Initialize this unit if you have replaced the microprocessor, one of the parts around the microprocessor, or the main PWB.

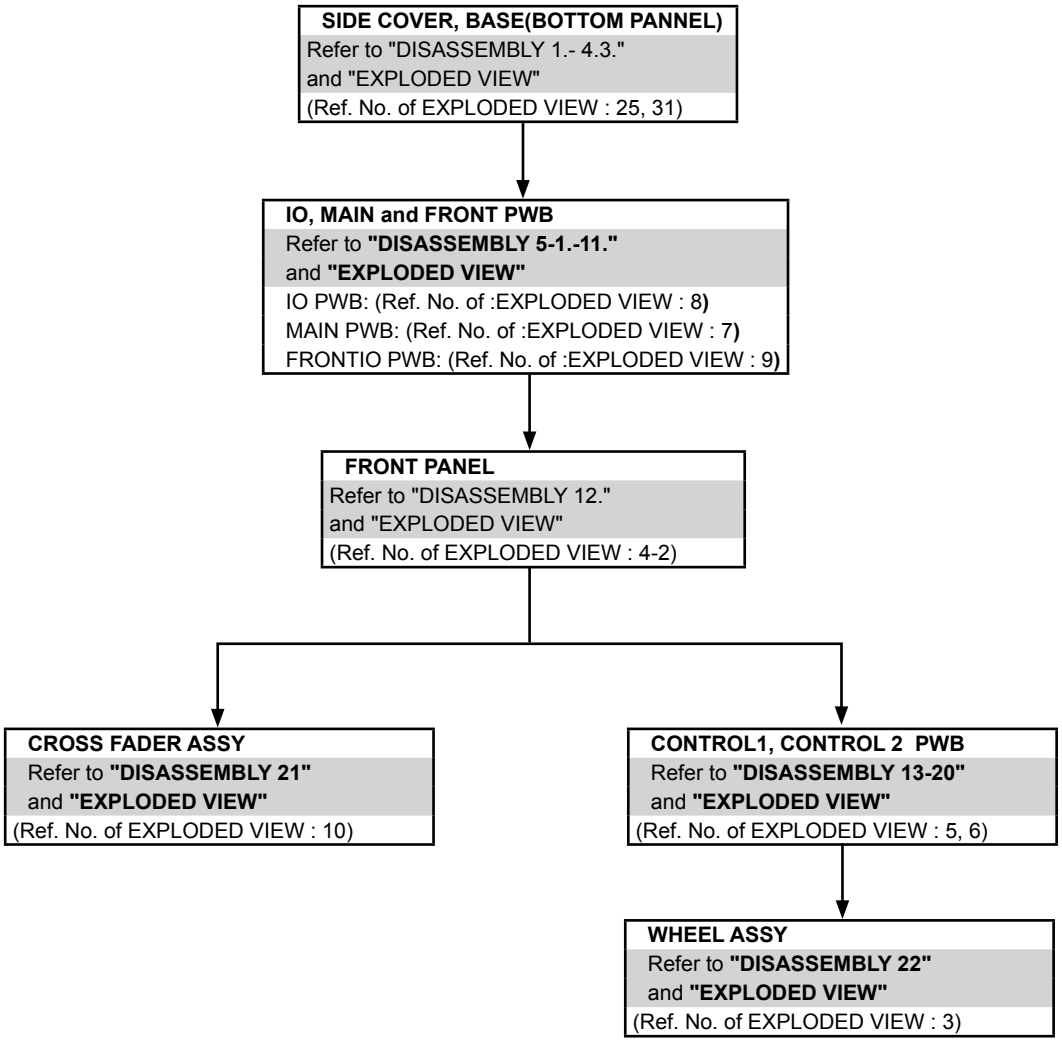
1. Turn on the power while pressing the BACK, FWD and X-F LINK buttons simultaneously.
2. Return to default setting, and these data (as follows) turn to factory default setting.
   Upon completion of the adjustment, it automatically restarts, start in Normal mode.

NOTE:• The parameters will be lost and the factory setting will be recovered after the set is initialized.
So make sure to note down your setting beforehand for restoring after the initialization.



DISASSEMBLY

- Remove each part in the order of the arrows below.
- Reassemble removed parts in the reverse order.
- Read“ SAFETY PRECAUTION” before reassembling removed parts.
- If wire bundles are removed or moved during adjustment or part replacement, reshape the wires after completing the work. Failure to shape the wires correctly may cause problems such as noise.



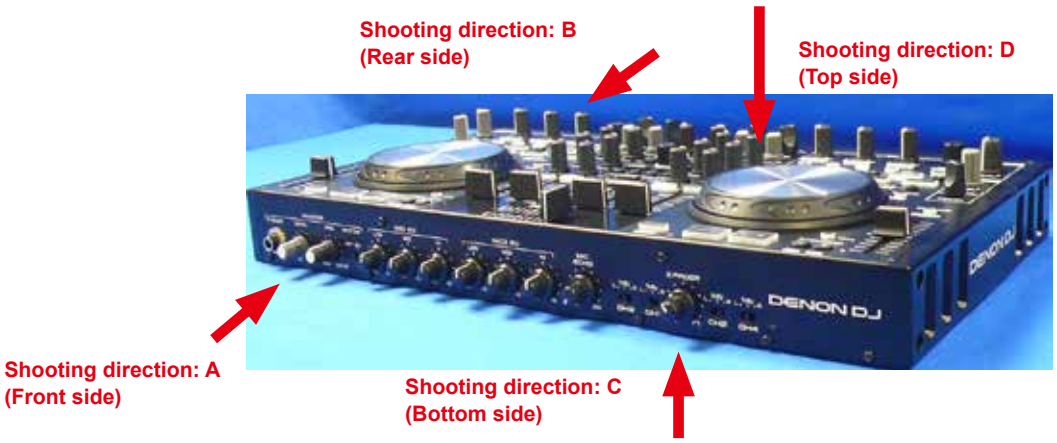
Caution

Tighten removed screws in the following steps.

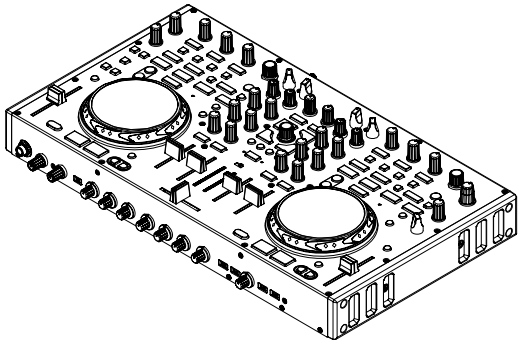
1. Front(TOP) panel screws.(See DISASSEMBLY 11.)
2. Rear panel screws.(See DISASSEMBLY 4-2.)
3. Front panel screws.(See DISASSEMBLY 4-3.)
4. Bottom screws.(See DISASSEMBLY 4-1.)
5. Side cover screws.(See DISASSEMBLY 2.)

Explanatory Photos for“ DISASSEMBLY”

- The angles from which the photos are taken are shown by“ Photo angle: A, B, C, D“ .
- See the diagram below about the shooting direction of each photograph.
- Photographs with no shooting direction indicated were taken from the top of the set.

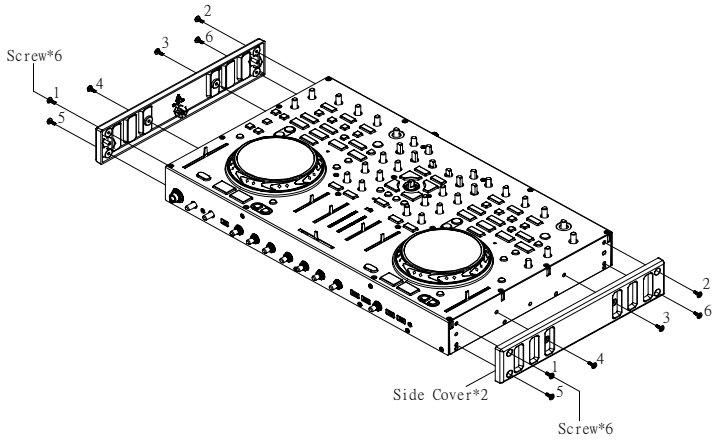


1. Dismantle the packaging, taking out the machine.



2. Remove the screws*12 from side cover.

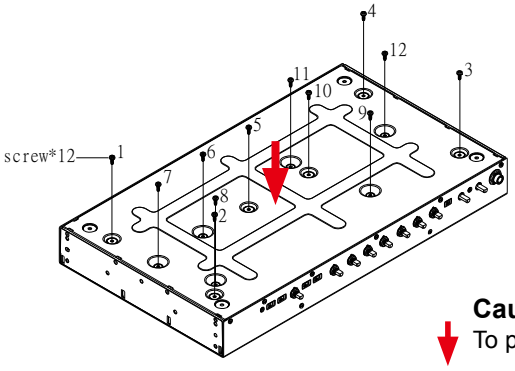
Reassemble the rear panel by the 5th step. Step of screw tightening.(1-6)



3. Remove the rotary knob *41 and push knob*6 from panel.

4-1. Remove the screws*12 from bottom base.

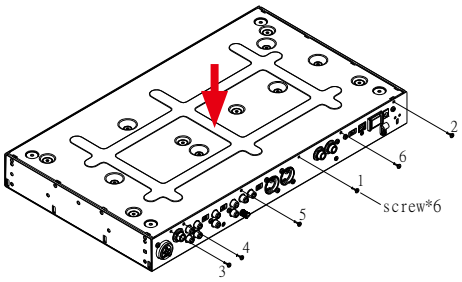
Reassemble the bottom base by the 4th step. Step of screw tightening from1 to 12.



Caution on assembly of the bottom panel.
To push one hande and hold flat.

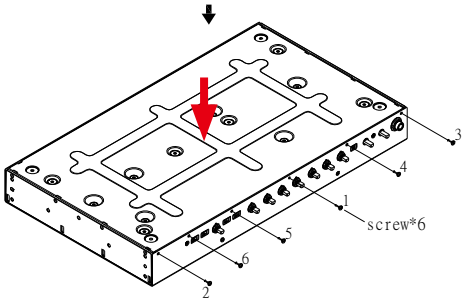
4-2. Remove the screws*6 from rear panel.

Reassemble the rear panel by the 2nd step. Step of screw tightening (1-6).



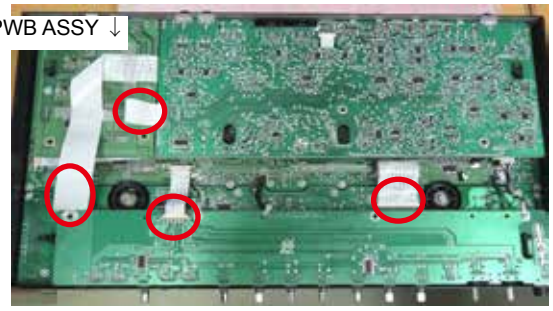
4-3. Remove the screws*6 from front panel.

Reassemble the front panel by the 3rd step. Step of screw tightening from (1-6).



5-1. Disconnect the FCC cable(follow Figure A).

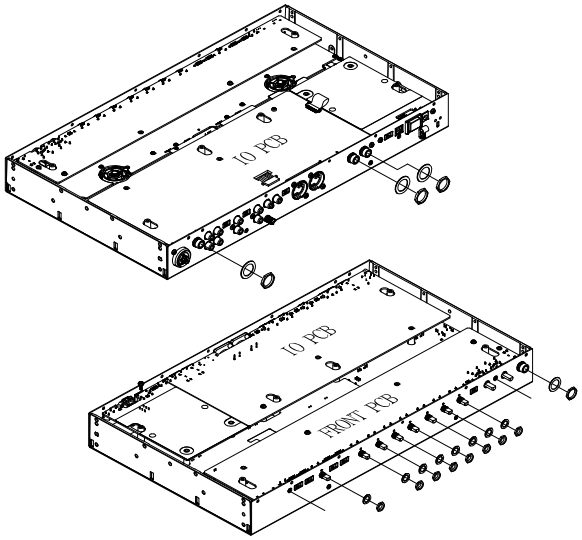
5-2. Remove the MAIN pcb ass'y.(follow Figure A).



Shooting direction: C (Bottom side)

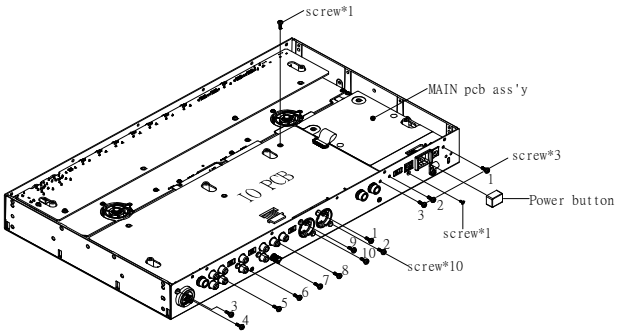
Figure A

6. Remove the nuts*12 and washer *12.



7. Remove the screws*15 and remove power button.

Step of screw tightening.(1-10)



8. Disconnect the FCC cable and connector wire and remove cable tie.(follow Figure B).

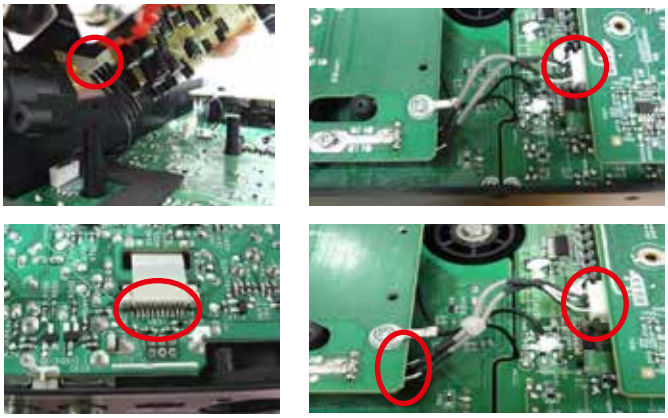
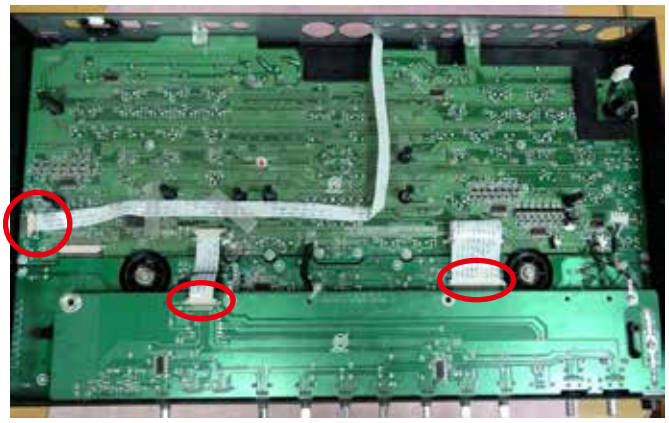


Figure B

9. Disconnect the FCC cable and connector wire.(follow Figure C).

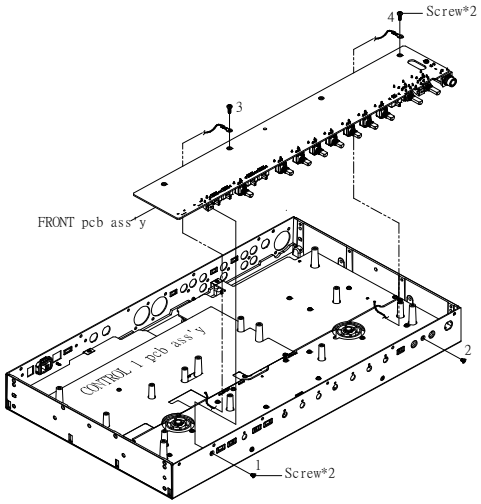


Shooting direction: C (Bottom side)

Figure C

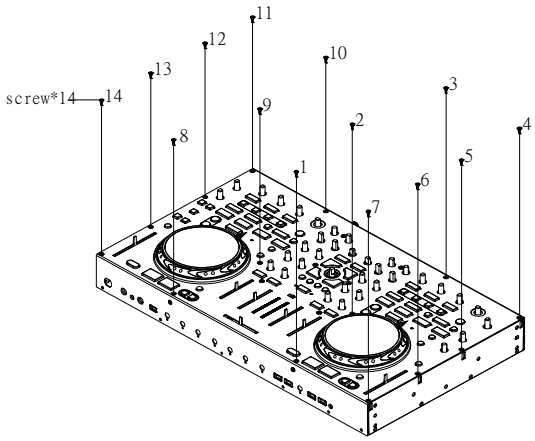
10. Remove the screw*4

Step of screw tightening.(1-4)



11. Remove the screws *14 from front panel.

Reassemble the front panel by the first step. Step of screw tightening (1-14).



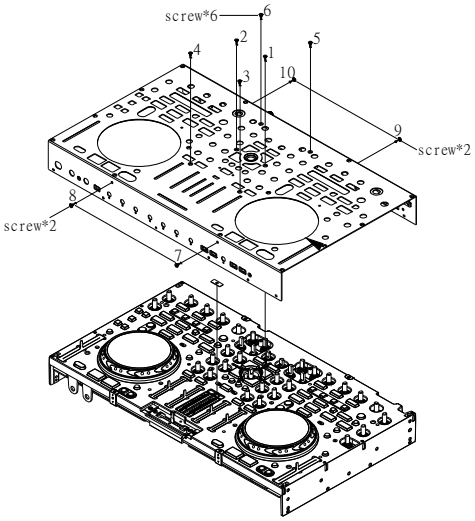
Caution on assembly of the button.

Adjust and assemble the top panel in the center of the hole.

Press a place other than the center of the button, to confirm that do not catch button on the panel. FAIL

12. Remove the screws *10 from front panel.

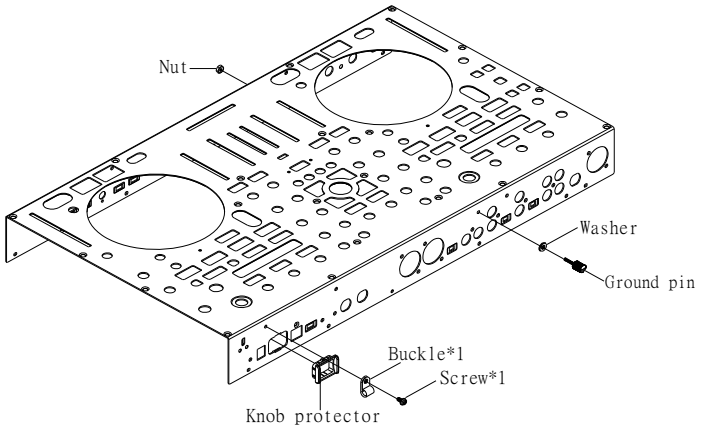
Step of screw tightening.(1-10)

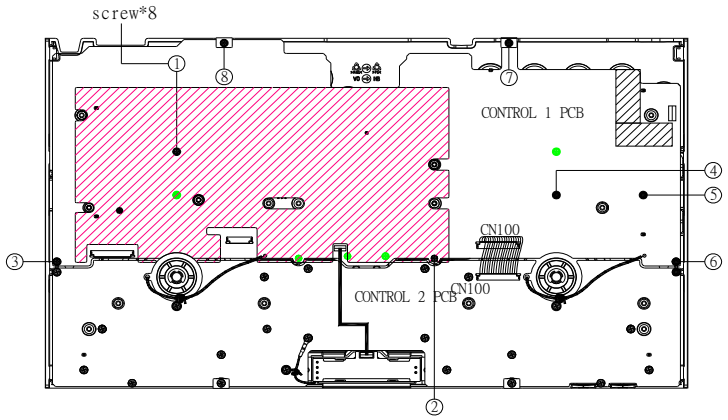


13-1. Remove screw .buckle and knob protector.

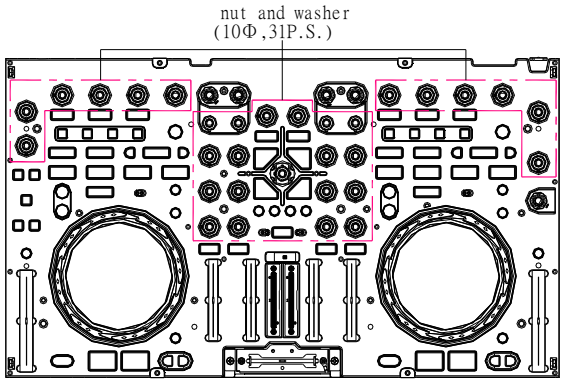
13-2. Remove gound pin . Washer and nut.

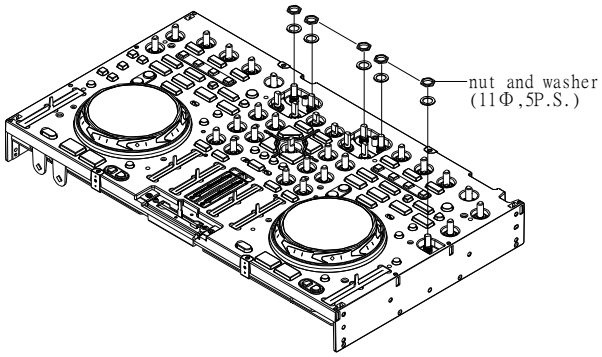
13-3. Remove screw*8. (① - ⑤)





14. Remove nuts*36 and washers*36.



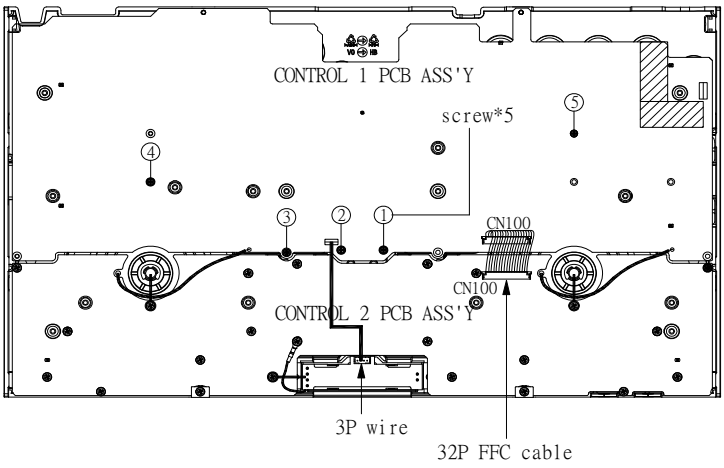


15-1. Remove screw*4. (SCREW*2x2)

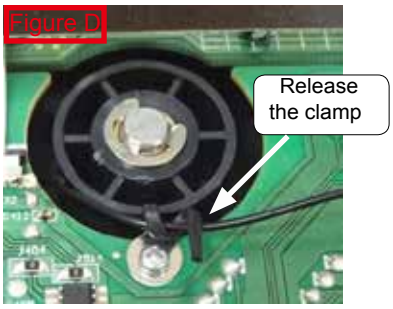
15-2. Remove screw*5.(① - ⑤)

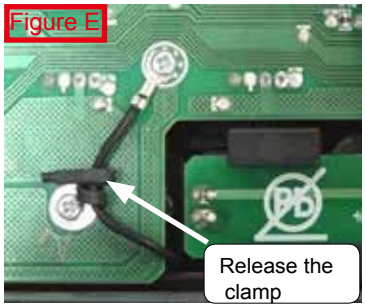
15-3. Disconnect 32P FFC cable.

15-4. Remove the control 1 pcb ass'y.

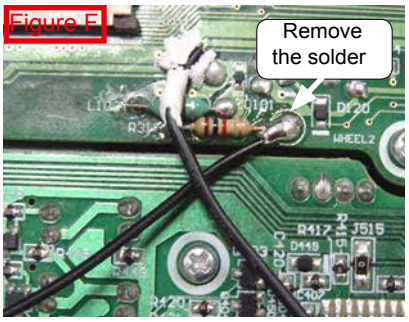


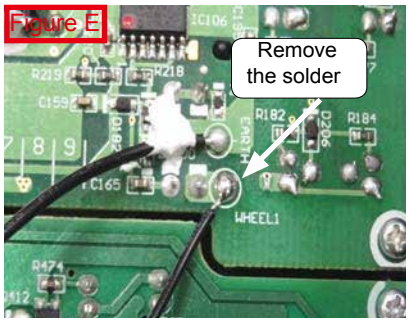
16-1. Release the clamp*2(follow Figure D&E).



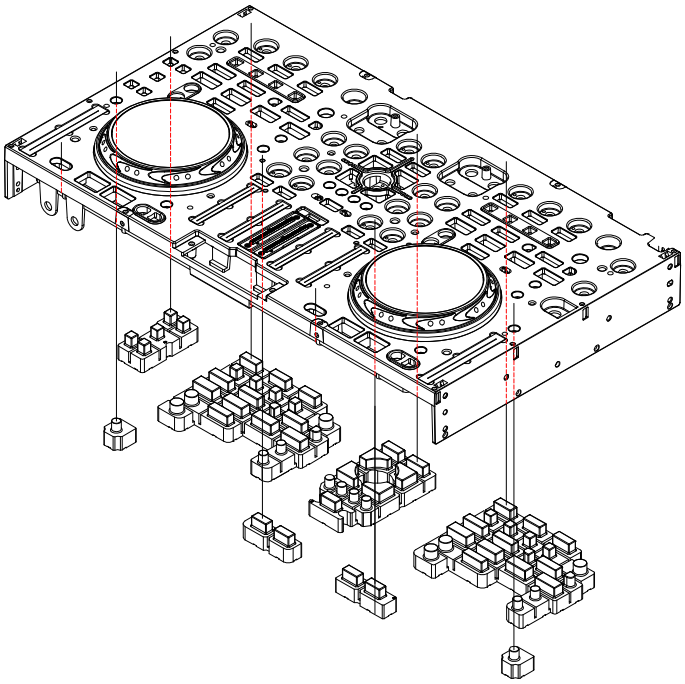


16-2. Remove the solder *2.(follow Figure F&G) then remove the control 2 pcb ass'y.

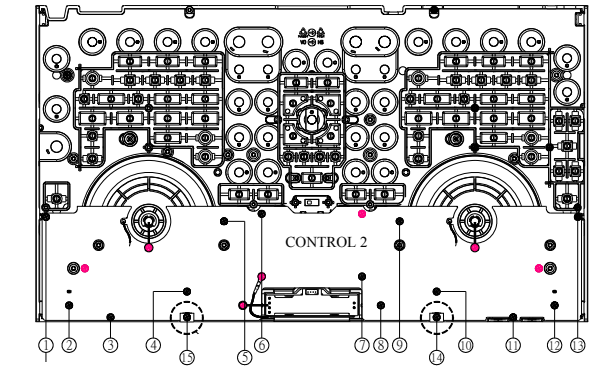




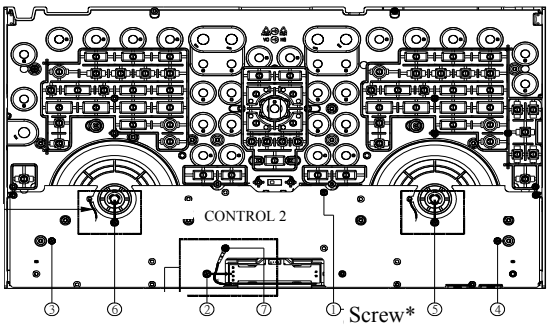
17. Remove the square buttons and rotary buttons.



18. Remove the screw*22.

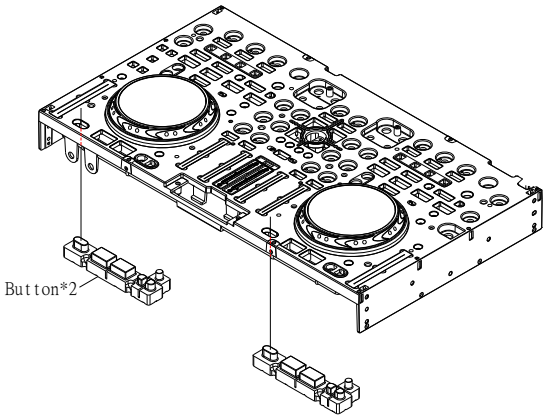


Screw*15



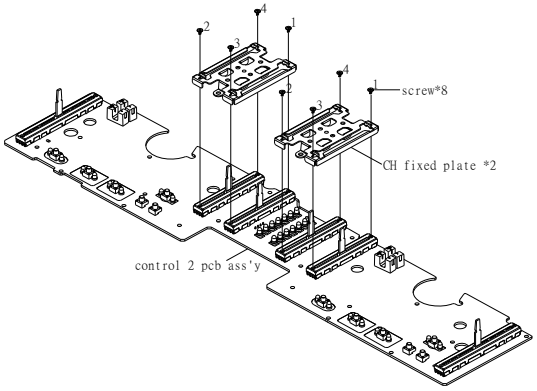
Screw*

19. Remove the square buttons*2.

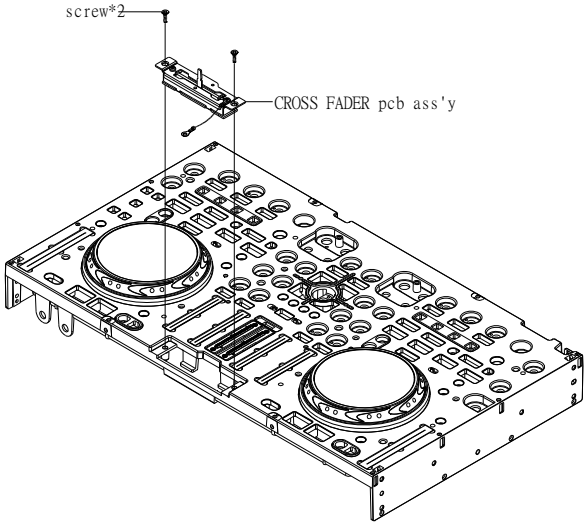


20-1. Remove the screw*8.

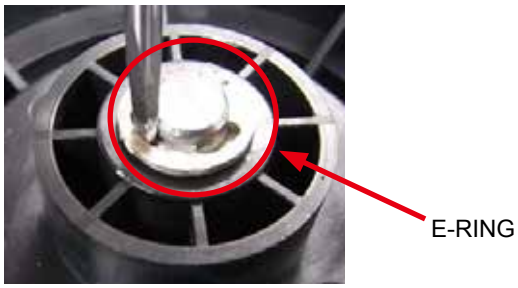
20-2. Remove the ch fixed plate *2



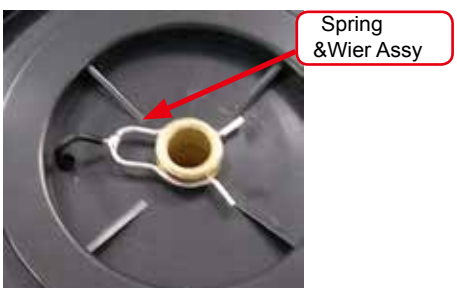
21. Remove the screw*2, then Remove the cross fader pcb ass'y.



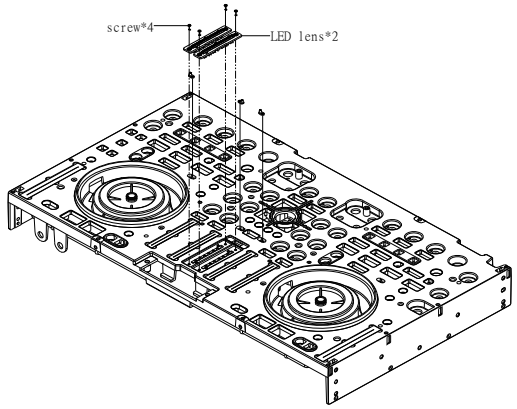
22-1. Remove the wheel ass'y*2.



22-2. Remove the spring & wire ass'y *2.



23. Remove the screw*4.



SPECIAL MODE

Special mode setting button

Hold down buttons A, B and C at the same time and press the power button to turn on the power.

Mode	A	B	C	Contents
Version Up mode	3	6	8	Firmware Upgrade
Version Display Mode	1	6	8	Firmware version display
Adjusting mode of the touch sense sensitivity	1	4	5	Adjust sensitivity of JOG wheel.
Initialize mode	1	3	6	Return to factory default setting.
MIDI transmission time mode	1	2	7	MIDI command transmission interval time
SW, VOLUME, ENCODER and LED TEST	-	-	-	Test of each function. (Use PC)

2. Version Up mode

Version up processing

*See "FIRMWARE UPDATE PROCEDURE" (34 page) for the procedure of the firmware update.

3. Version Display Mode

Displays the version of F/W or DSP.
Hold down buttons "SHIFT" "FWD"and "X-F LINK" at the same time and press the power button to turn on the power.

DSP version display by pressing the PLAY button.
F/W version display by pressing the CUE button.
Press [SHIFT] to return to Normal Mode.

How to read the version number

Firmware Version LED (Ver A.XYZ. After Ver1.000, it is commercial version).
A : LEFT DECK (for commercial version No.)
X, Y, Z : RIGHT DECK

	1	2	3	4	5	6	7	8	9
A (LEFT DECK)	FX1-L	FX1-M	FX1-R	DECK3	DECK1	DECK2	DECK4	TAP	-
X (RIGHT DECK)	FX2-L	FX2-M	FX2-R	-	-	-	-	-	-
Y (RIGHT DECK)	DECK3	DECK1	DECK2	DECK4	TAP	-	-	-	-

	1	2	3	4	5	6	7	8	9
Z (RIGHT DECK)	LOOP IN	LOOP OUT	AUTO LOOP	HOT CUE1	HOT CUE2	HOT CUE3	HOT CUE4	-	-

Example : Ver1.132
DECK A side : FX1-L.
DECK B side : FX2-L, DECK3, DECK1, DECK2, LOOP IN, LOOP OUT
Seven places of LED turns on.

4. Adjusting mode of the touch sense sensitivity

The unit can be controlled the sensitivity of the touch sensor for the Jog Wheel in 9 steps (-4 to 0 to +4).
"-4" is the lowest sensitivity, and "+4" is the highest sensitivity.
The default setting is "0".

(1) Pressing (X-F LINK+LOAD A+LOAD B) at the same time, then turn on MC6000MK2.
(2) Press CUE, and switch the jog wheel that you want to adjust.
(e.g.)If you press CUE of the left side, only CUE of the left side turns on, and jog wheel of the left deck is chosen to adjust it.
(3) Rotate the track selection knob, and adjust the sensitivity. The button lights according to the set sensitivity

Buttons	HOT CUE 1	HOT CUE 2	HOT CUE 3	LOOP IN	LOOP OUT	AUTO LOOP	FX1-L	FX1-M	FX1-R
Sensitivity	-4	-3	-2	-1	0	1	2	3	4

(4) Press the track selection knob to memorize adjustment data.
(5) Press SHIFT, then the mode switches back from the sensitivity adjustment mode to the normal mode.

5. Initialization of parameters

Return to factory default setting.
(1) Pressing (BACK+FWD+X-F LINK) at the same time, then turn on MC6000MK2.
(2) Return to default setting, and these data (as follows) turn to factory default setting.
Upon completion of the adjustment, it automatically restarts, start in Normal mode.

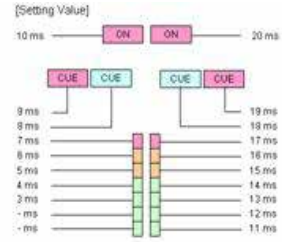
Initialize Data	Factory default	Range
JW transmission interval time	4ms	3ms <-> 20ms
Sensitivity of JOG Wheel	0	-4 <-> 4
Filter/Video mode	Filter	Filter <-> Video

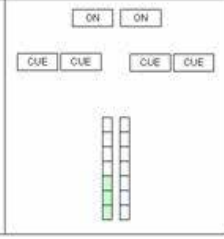
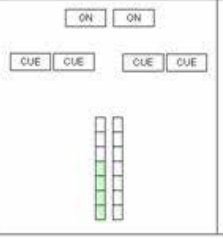
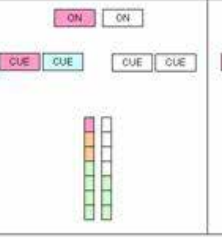
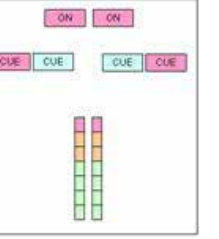
6. Adjusting interval time of MIDI command transmission

Depending on the computer specifications and OS type, the computer may not be able to receive the MIDI commands transmitted from this unit correctly.
In this case, use the following operation to set the MIDI command transmission interval time to a suitable value.

(1) Pressing (PANEL+LIST+X-F LINK) at the same time, then turn on MC6000MK2.
The following LED turns on, and the unit switches to the setting mode for MIDI command transmission interval time.
(2) Rotate SEL.
The relationship between LED display position and the MIDI command transmission interval time is as shown in the diagram as follows. The factory setting is 4 msec.
(3) Press SEL.
The MIDI command transmission interval time is entered.
(4) Press SHIFT.
The settings are completed, and unit exits the setting mode.

How to read the interval time



Transmission interval time	3ms	4ms (default)	13ms	20ms
Indicator				

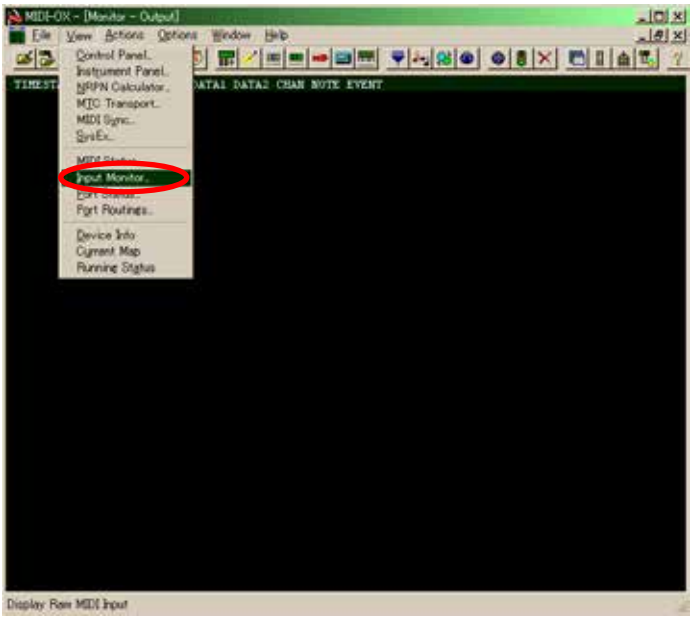
7. SW, VOLUME, ENCODER and LED TEST

Operating check procedure for the SW/VOLUME/ENCODER and LEDs on this unit with MIDI-OX.

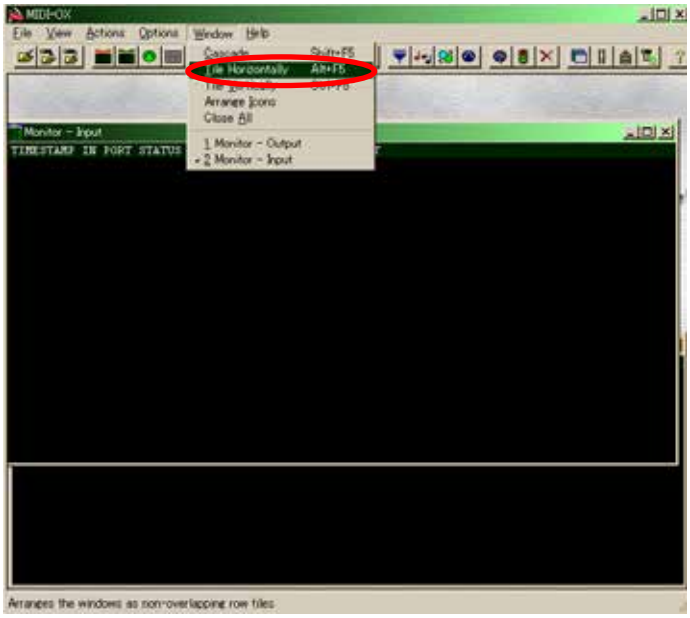
[1] MIDI-OX Installation and Settings

Install MIDI-OX on the PC, and configure the PC environment.

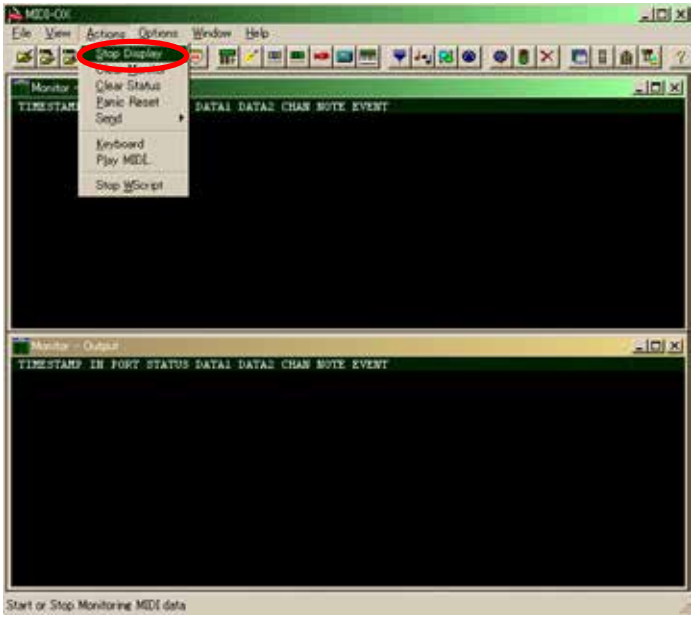
(1) Download MIDI-OX (freeware).
Download from the URL below.
URL: www.midiox.com/
(2) Install MIDI-OX on the PC.
(3) Connect this unit to the PC, and switch the power on.
(4) Start MIDI-OX that you installed on the PC.
(5) In MIDI-OX, select [View] menu - [Input Monitor].



(6) Select [Window] menu - [Tile Horizontally].



(7) Open the [Actions] menu and check that “Stop Display” is shown.
If “Start Display” is shown, click “Start Display” so that “Stop Display” is shown.

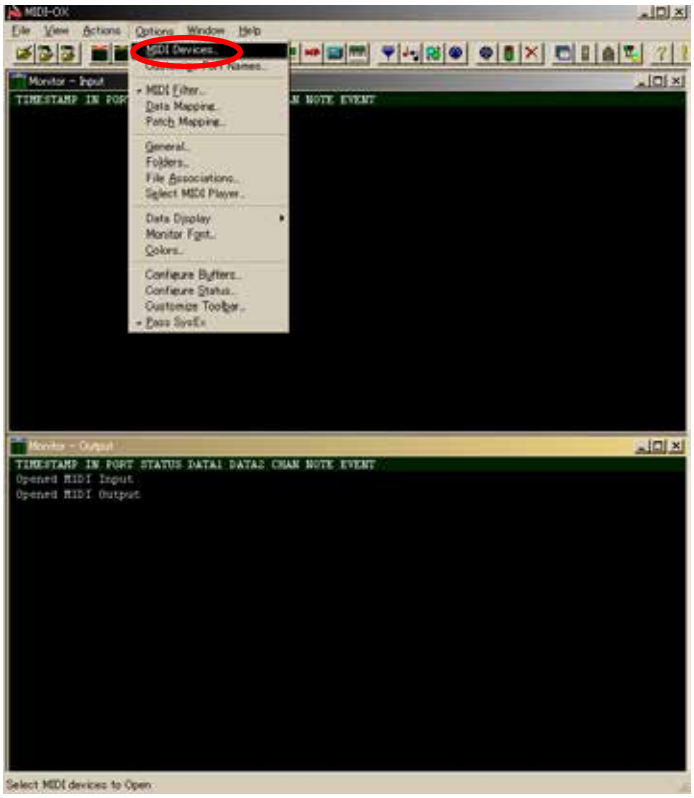


[2] Check the SW/VOLUME/ENCODER

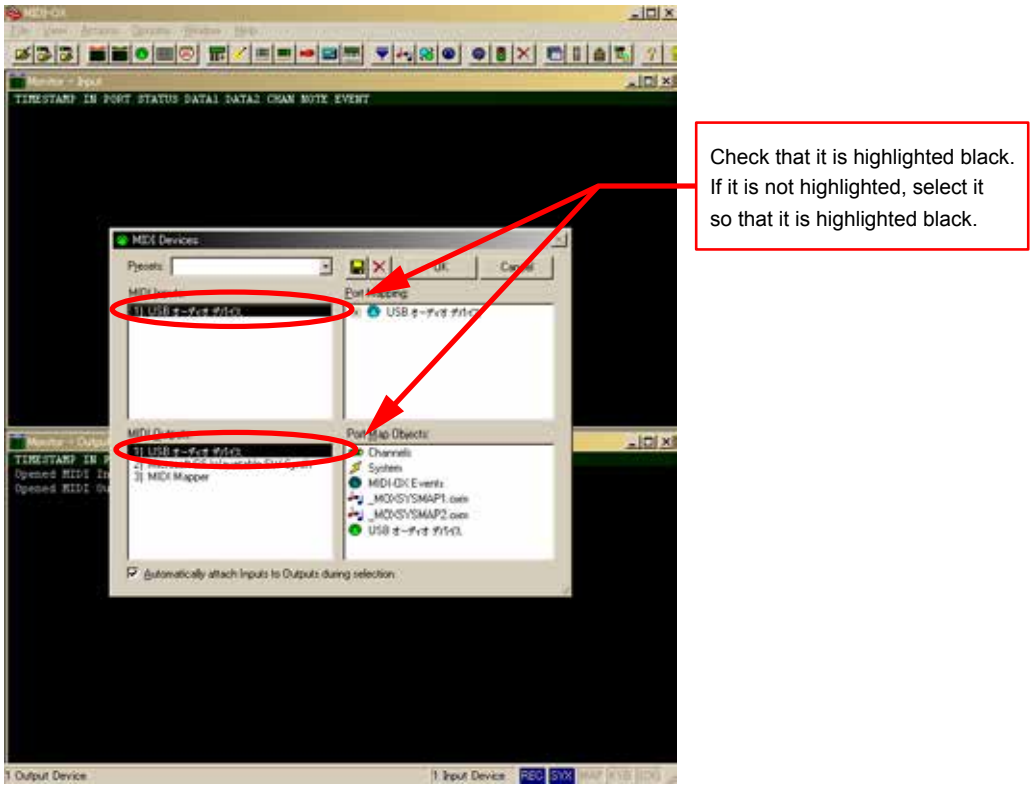
When SW/VOLUME/ENCODER is operated on this unit, the corresponding MIDI command is shown on MIDI-OX.

If the MIDI command is not shown on MIDI-OX even when the panel of this unit is operated, check the following.

(1) Select [Options] menu - [MIDI Device].



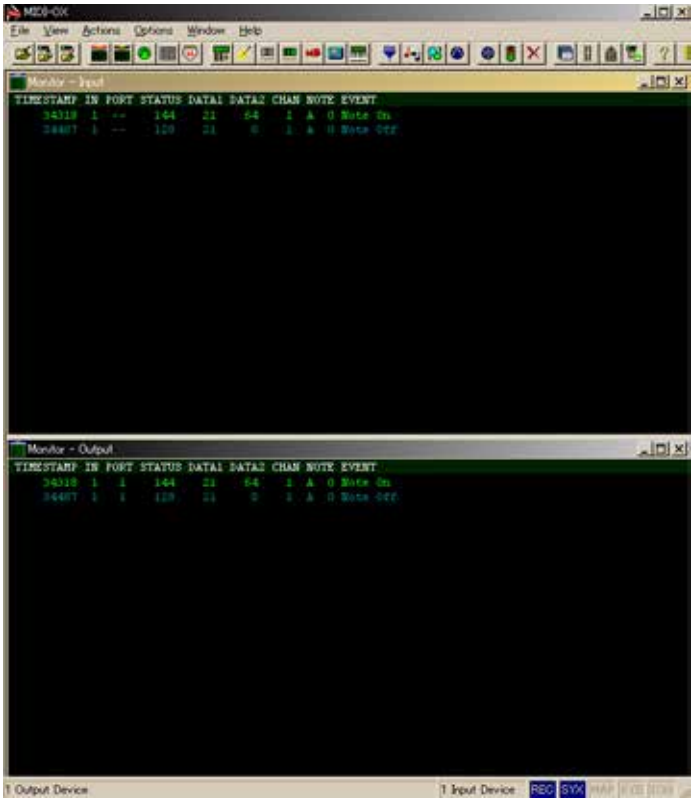
(2) Check whether the USB audio device is selected.



(3) Screen display when the EFX.1 button on this unit is switched ON-OFF.

Pressed button	DATA1 column display
EFX.1 (FX1)	21

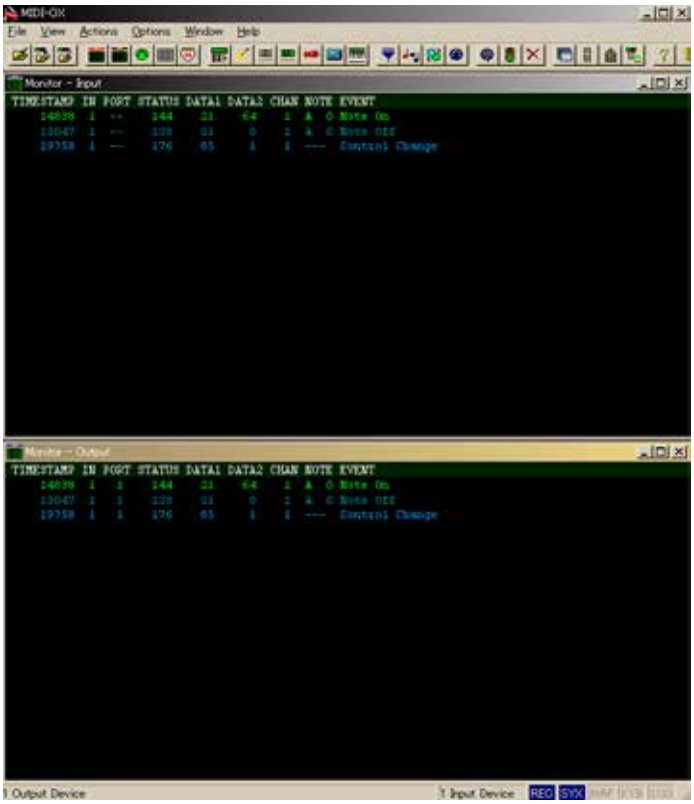
For details on the correspondence between operation on this unit and the contents of the screen display, see the "MIDI command list" in the instruction manual.



(4) Next, this is the screen display when the EFX.1 knob is moved either to the left or right.

Operated knob	DATA1 column display
EFX.1	85

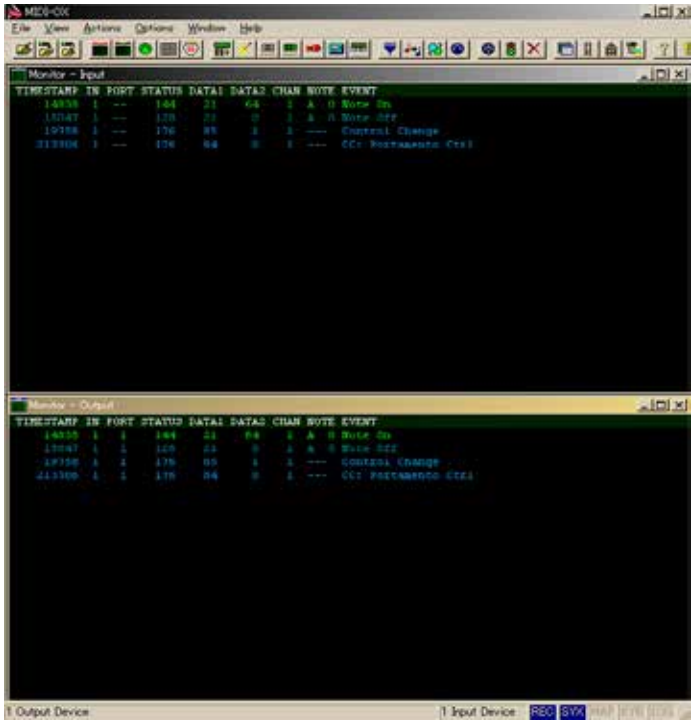
For details on the correspondence between operation on this unit and the contents of the screen display, see the "MIDI command list" in the instruction manual.



(5) Next, this is the screen display when the TRACK SELECT knob on the unit is moved 1click to the right.

Operated knob	DATA1 column display
TRACK SELECT	84

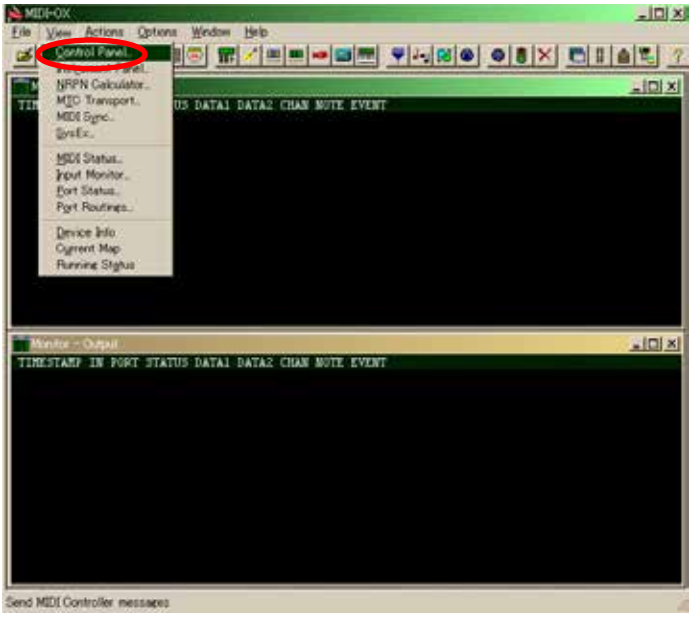
For details on the correspondence between operation on this unit and the contents of the screen display, see the "MIDI command list" in the instruction manual.



[3] Check the LED

When the MIDI command is sent from MIDI-OX, the LED lights/flashes/off/Dimmer.

(1) Select [View] menu - [Control Panel].



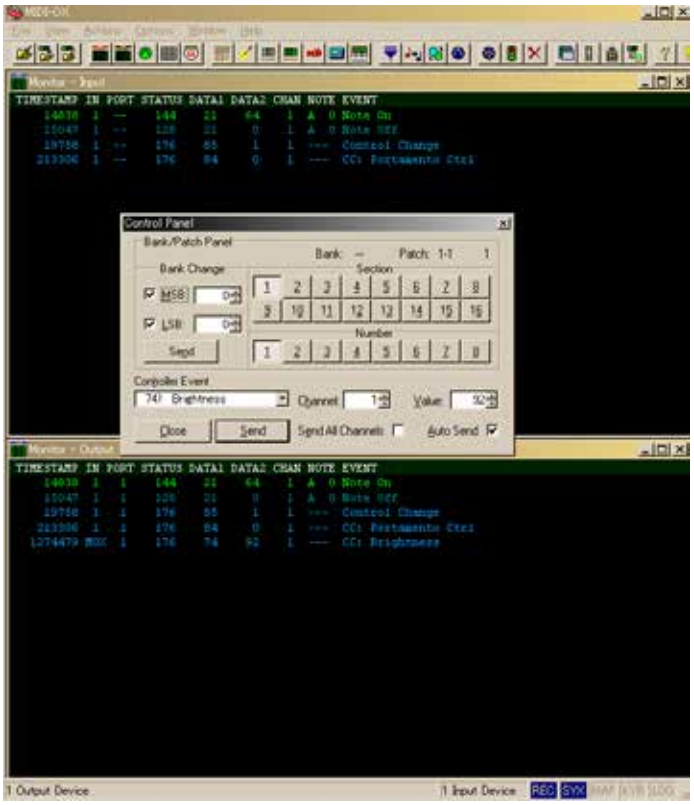
(2) These are explained in order of LED lights/off/flashes/Dimmer.

Example1 : When lighting the EFX.1 button on DECK A

In the MIDI-OX Control Panel, set the following parameters.

Control Event	Channel	Value
74) Brightness	1	92

When the Enter button on the PC keyboard is pressed, the EFX.1 button on the unit lights.

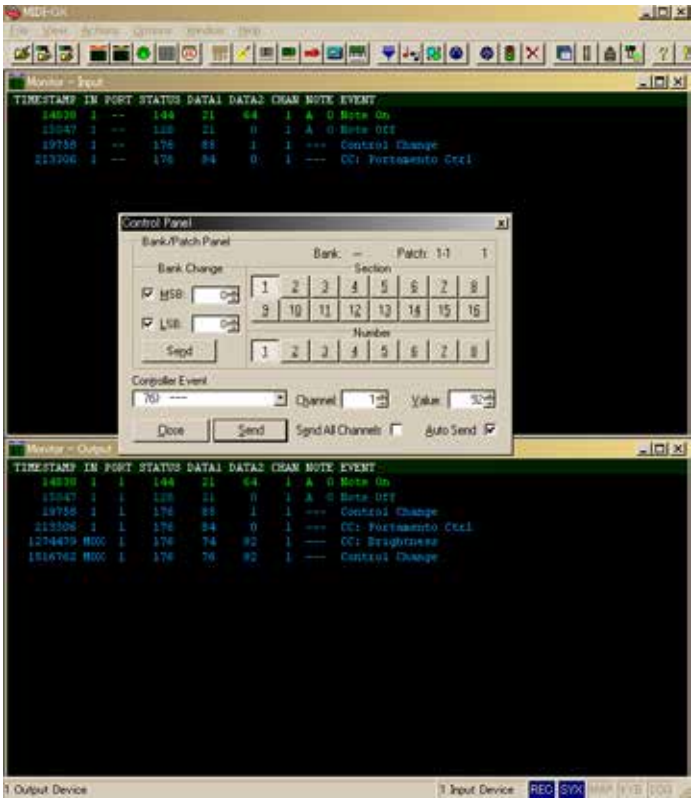


Example2 : When flashing the EFX.1 button on DECK A

In the MIDI-OX Control Panel, set the following parameters.

Control Event	Channel	Value
76) ---	1	92

When the Enter button on the PC keyboard is pressed, the EFX.1 button on the unit flashes.

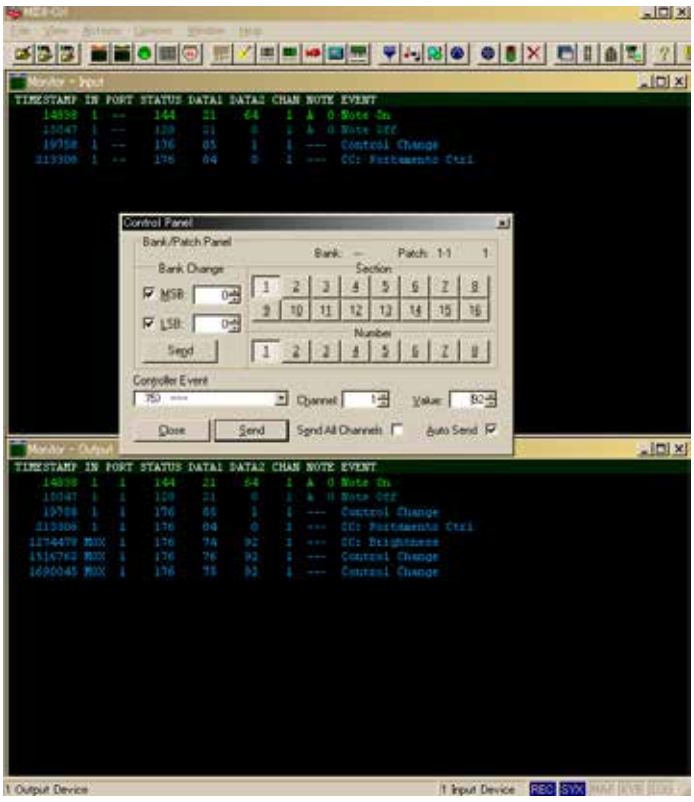


Example3 : When off the EFX.1 button on DECK A

In the MIDI-OX Control Panel, set the following parameters.

Control Event	Channel	Value
75) --	1	92

When the Enter button on the PC keyboard is pressed, the EFX.1 button on the unit off.

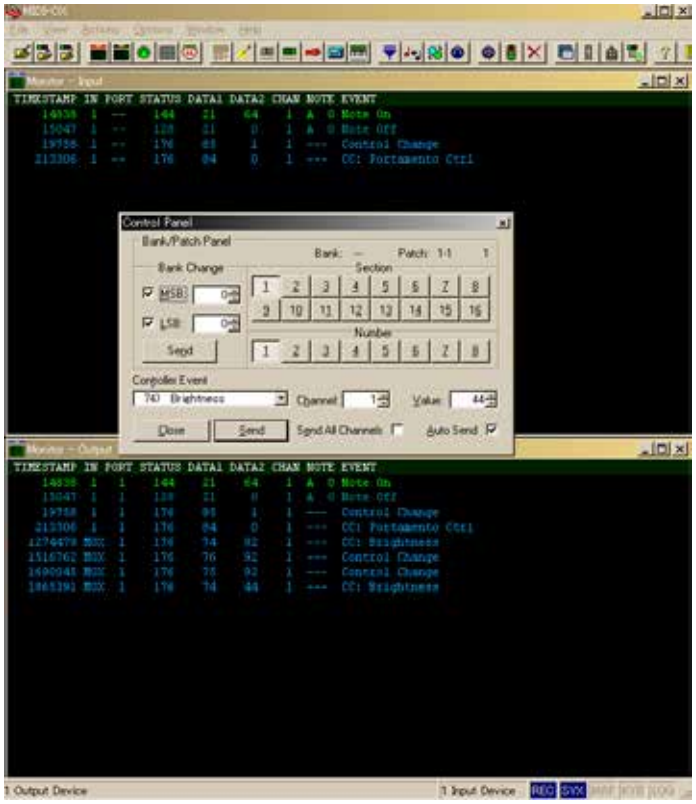


Example4 : When dimming the EFX.1 button on DECK A

In the MIDI-OX Control Panel, set the following parameters.

Control Event	Channel	Value
74) Brightness	1	44

When the Enter button on the PC keyboard is pressed, the EFX.1 button on the unit dims.



※ Some of the LEDs such as those for Meter or Ducking use the following parameters to light/switch off.

	Control Event
Light	80) ---
Off	81) ---

For details, see the “MIDI command list” in the instruction manual.

PROCEDURE AFTER REPLACING THE MICROPROCESSOR, ETC

The procedure after replacing the u-COM (Microprocessor), flash ROM, etc. is as follows.

PWB Name	Ref. No.	Description	After replaced	Remark
CONTROL	IC100	STM8S207M8T6	**B**	704-6K2-A620
CONTROL	IC105	IC(EN25F1-100GIPTR)	**B**	417-DDJLE-1084

After replacing

A : The software has been written. The software is not written at the time of replacement.

B : The software has been written. The software may need to be rewritten by version updates. Check the version.

C : The software has not been written. The software needs to be written after replacement. See “Firmware Update Procedure” for information on writing the software.

D : The software has been written. Be sure to rewrite with the latest software for your service region. See “Firmware Update Procedure” for information on writing the software.

FIRMWARE UPDATE PROCEDURE

1. Items to Be Prepared

(1) Connect the computer by USB cable.
MC6000MK2 : Type B

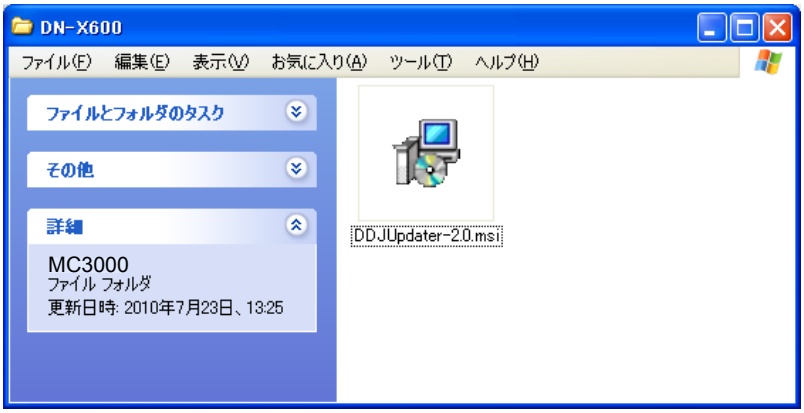
(2) UPDATER
Dowload Dennon SDI site.
for Windows : DDJUpdater-2.0.msi
for Mac : DDJ Updater.app

(3) Latest Firmware
Dowload Dennon SDI site.
file : MC6000MK2_vX.YYY
(X.YYY: Ver.No.)

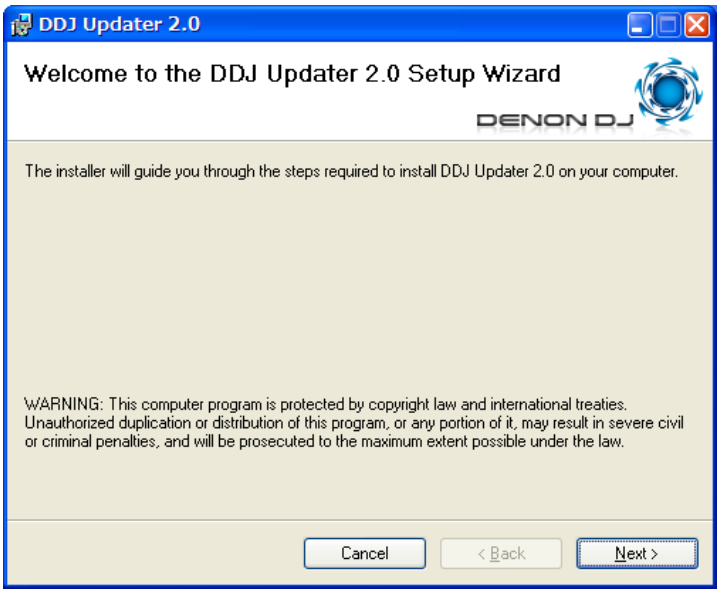
2. Installing the firmware update program for Windows

※ Upgrade program for Macintosh is installed on your Mac by copied the DDJ Updater.app.

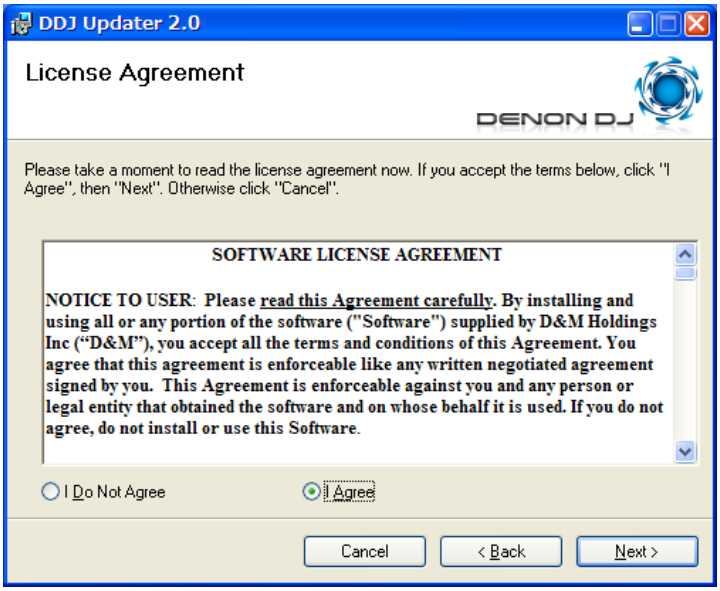
(1) Double click the DDJUpdater-2.0.msi



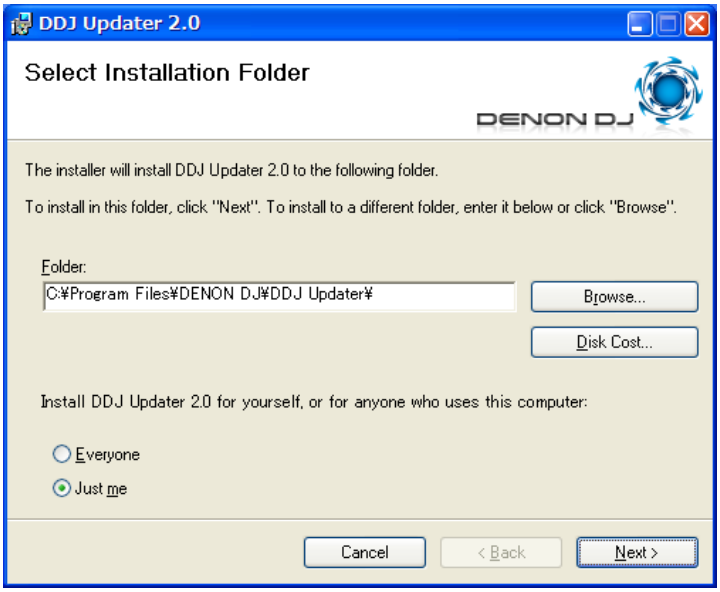
(2) Click the Next.



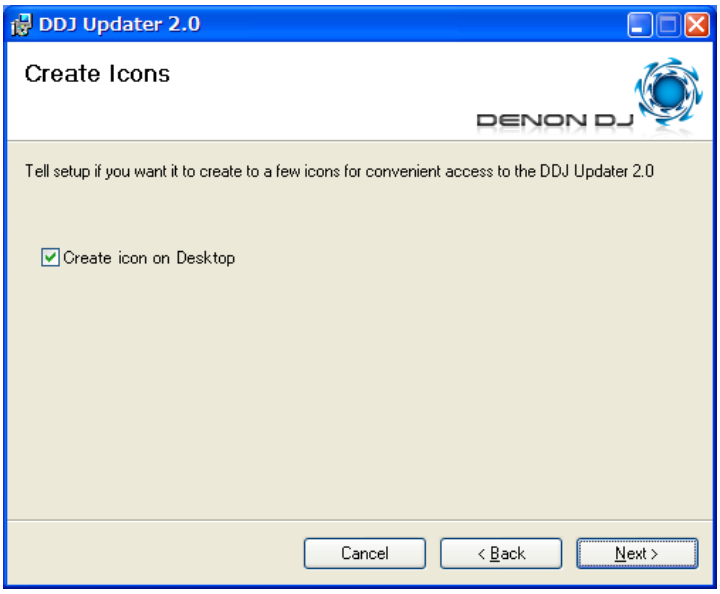
(3) Check the I accept the terms of the license agreement,and Click the Next.



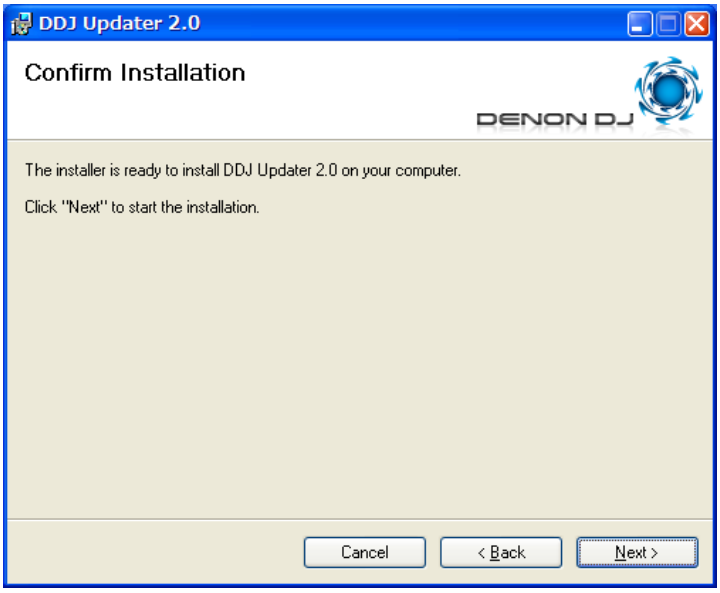
(4) Click the Next.



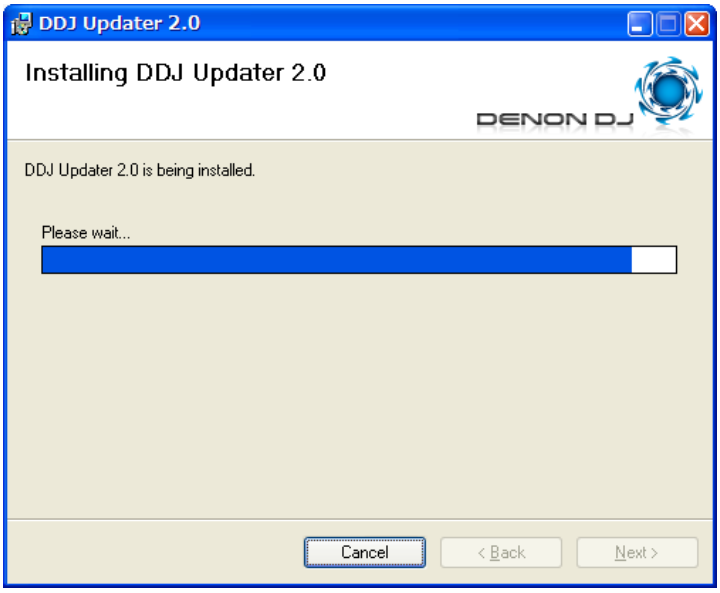
(5) Click the Next.



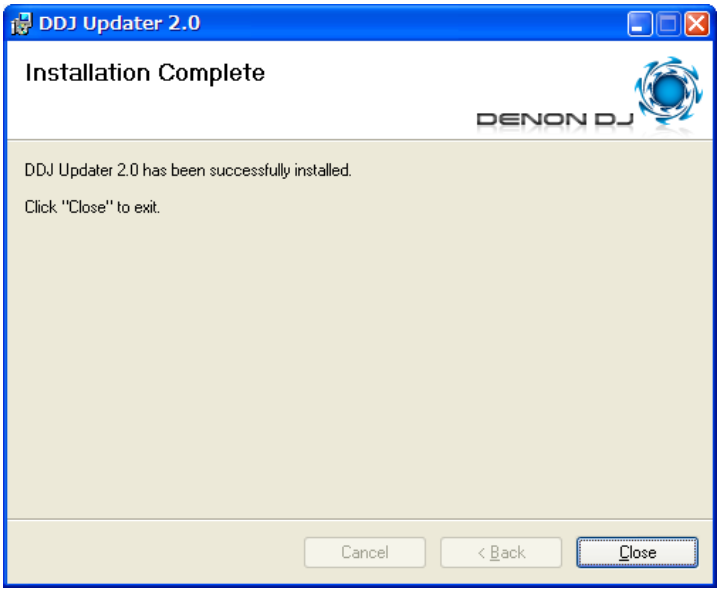
(6) Click the Next.



(7) The Setup Status bar appears.



(8) Click the Close.



3. Update Firmware

[Caution]

During the loading and upgrading the power OFF and set, PC or please do not remove the cable connection. Also, please press the button of a keyboard and computer sets.

(1) Connect the USB cable from PC to the unit.
(2) Press the POWER button to turn on while pressing buttons BACK, FWD and SHIFT.
(3) MC6000MK2 will enter versionup mode. CUE 1 will light.
(4) Run the "DDJ Updater" on desktop of PC.

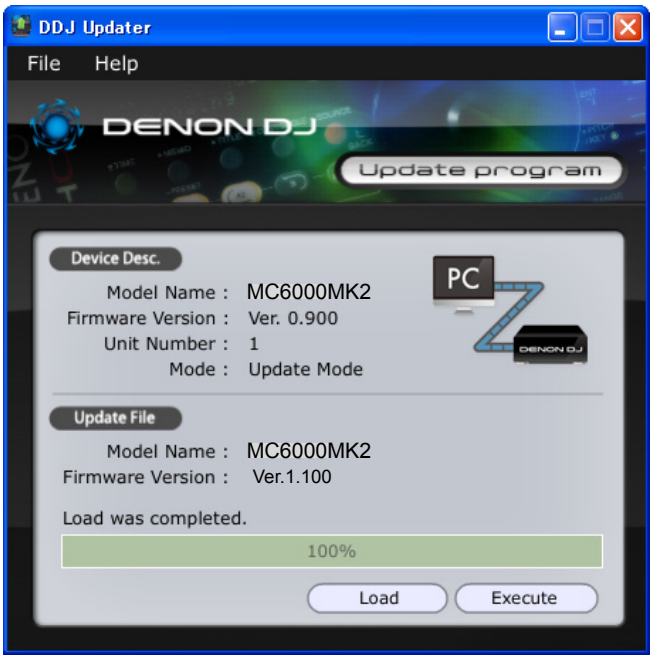
(5) Click the File menu. And click the Open. Select the latest firmware.

(6) Click the Load.

(7) The Setup Status bar appears.

(8) Click the OK.

(9) Click the Execute.



(10) The Setup Status bar appears.

MC6000MK2 indicates state of updating.

CUE 1: Update Ready, CUE 2: Update Data(0%),
CUE 3: Update Data(50%), CUE 4: Update Data(100%)

(11) Click the OK.

(12) When version up finished, this unit is usual mode automatically.
Failure to upgrade to the PC "Version up was not completed." is displayed.
Then "Execute" click again.

4. Error message & trabuleshooting

Message	Solution
File is invalid.	Please select the update file for this unit.
Load failed. Check the connection, and retry	Please try again step (1).
Loaded data is invalid. Check the file	Please select the update file for this unit.
Version up was not completed	Please try again step (1).

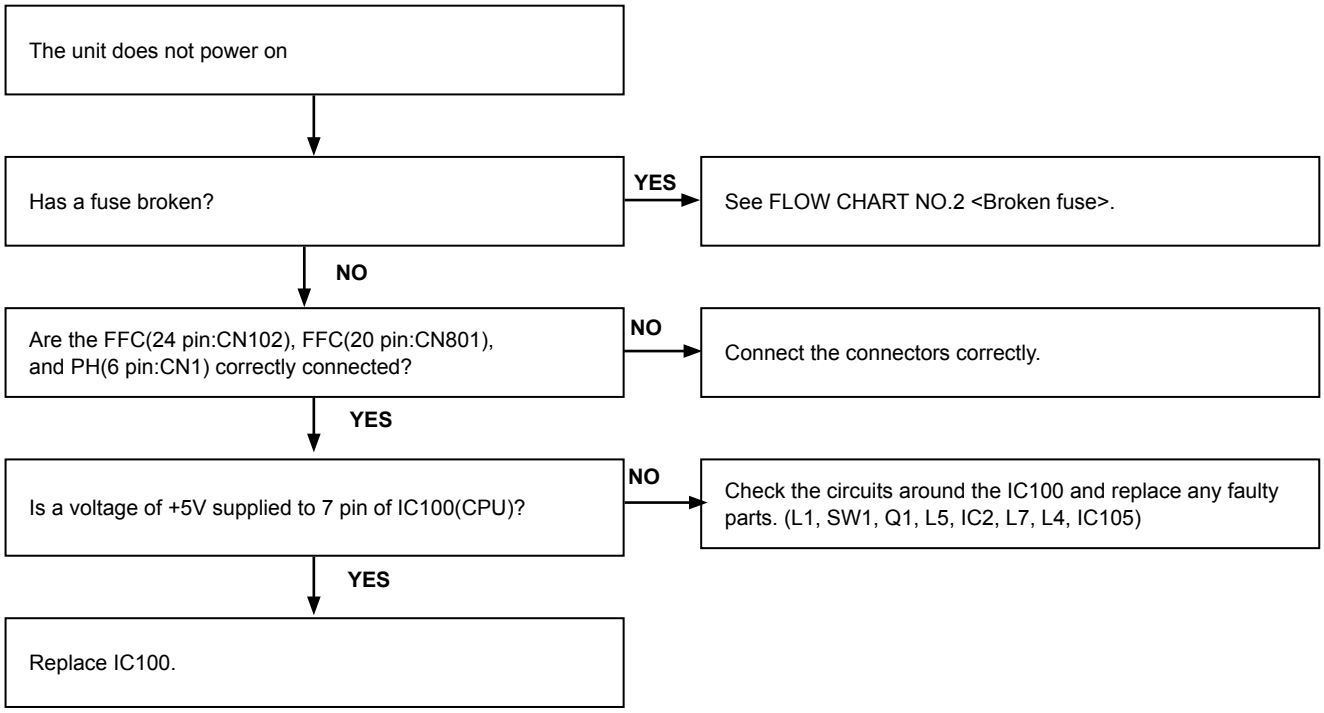
(1) Unit is not connected or if the unit is not upgraded mode as shown below. Please try again step (1).

(2) If the file version is not loaded "File is not ready." Is displayed. Please try again step (5).

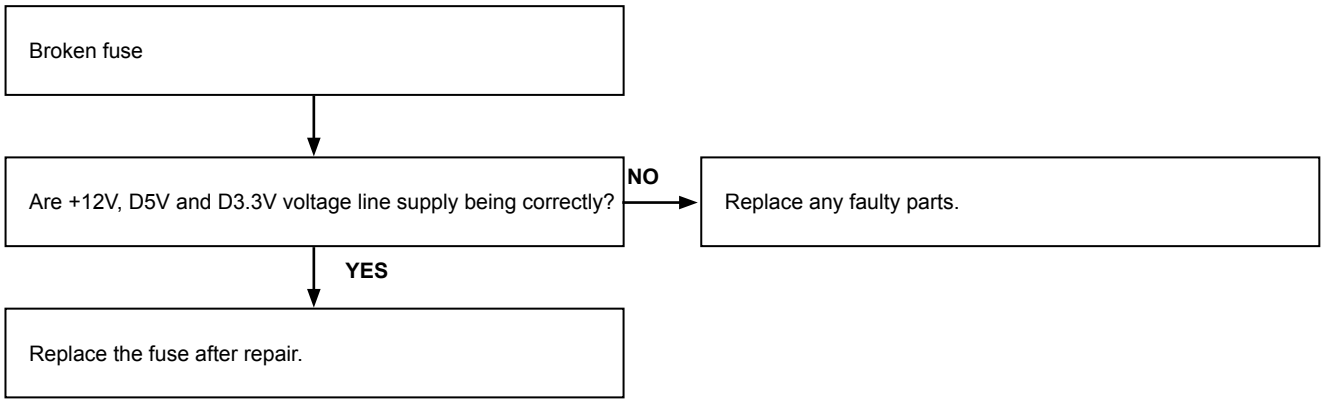
[Caution]
During the loading and upgrading the power OFF and set, PC or please do not remove the cable connection. Also, please press the button of a keyboard and computer sets.

TROUBLE SHOOTING

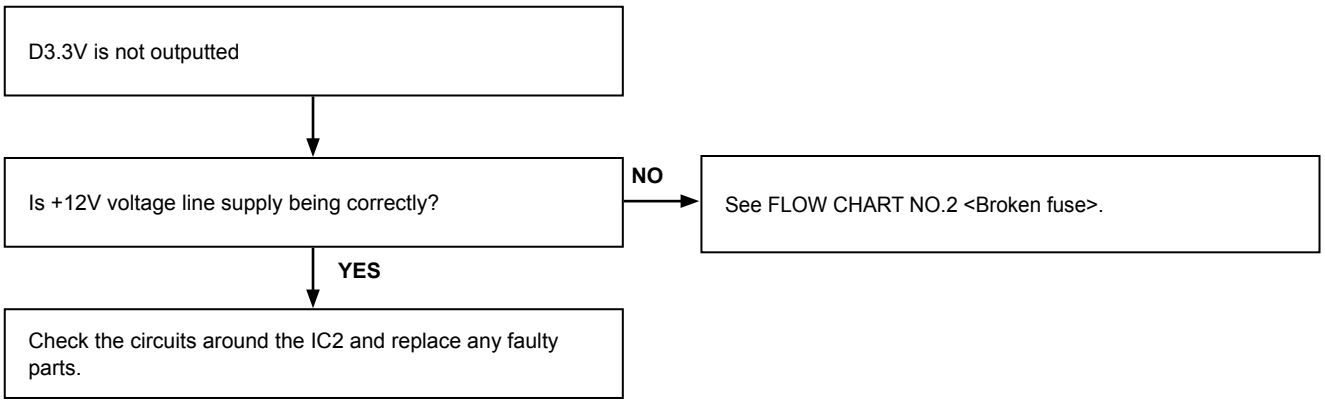
1. FLOW CHART NO.1 (704-6K2-A617 : MAIN PCB ASS'Y)



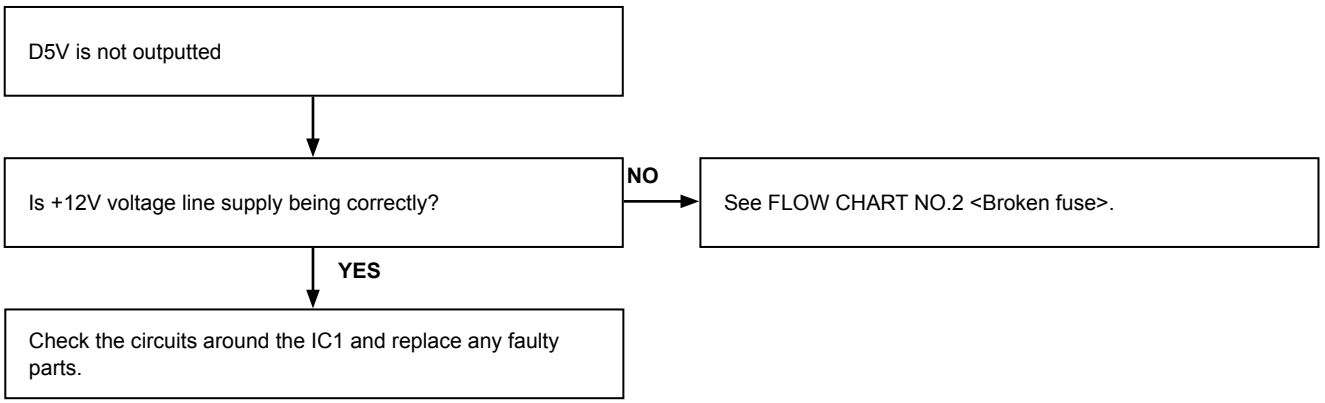
FLOW CHART NO.2 (704-6K2-A617 : MAIN PCB ASS'Y)



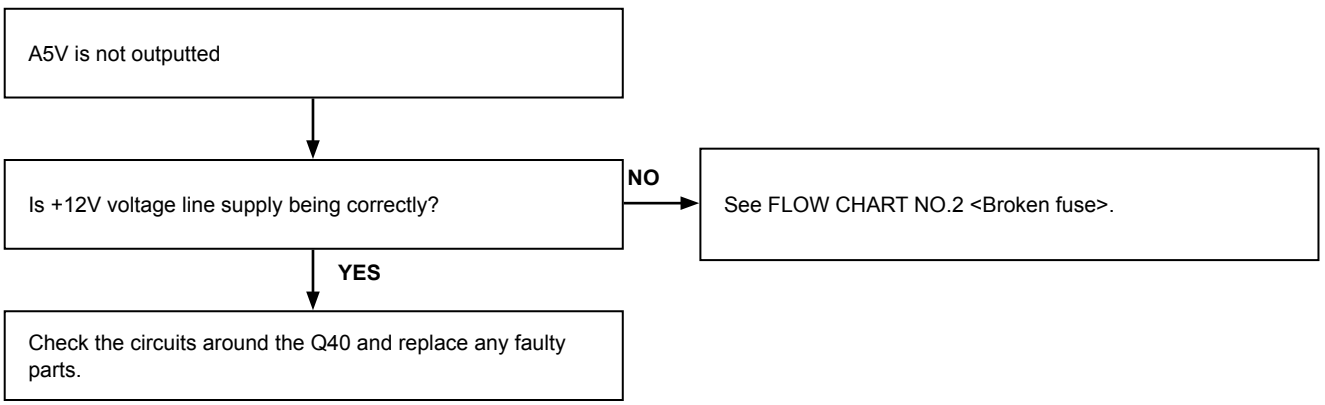
FLOW CHART NO.3 (704-6K2-A617 : MAIN PCB ASS'Y)



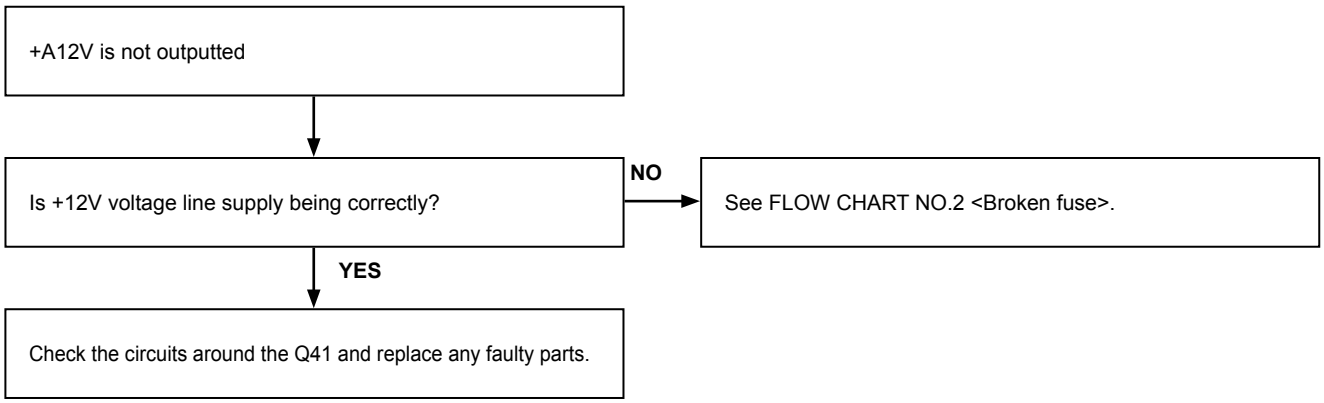
FLOW CHART NO.4 (704-6K2-A617 : MAIN PCB ASS'Y)



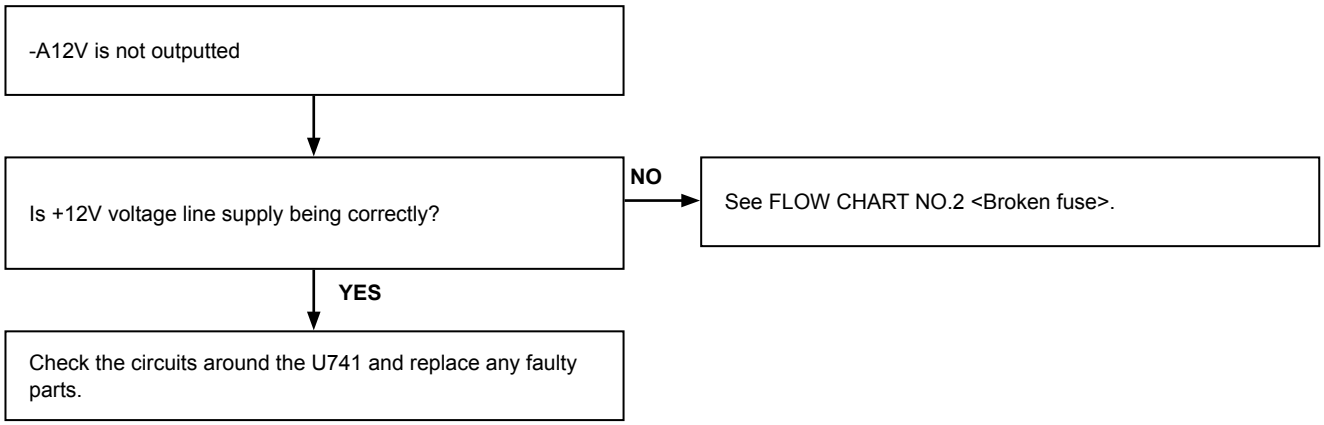
FLOW CHART NO.5 (704-6K2-A618 : IO PCB ASS'Y)



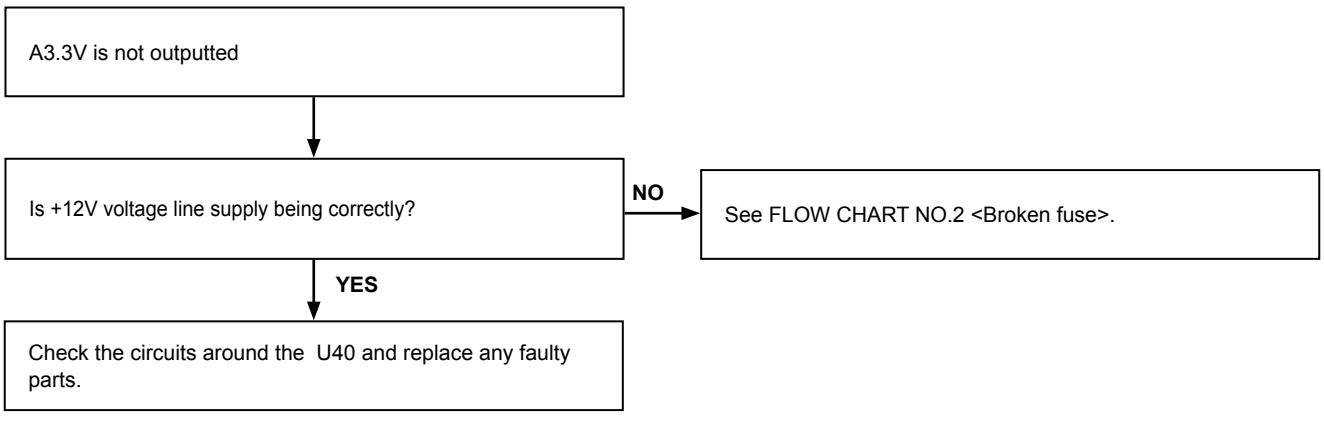
FLOW CHART NO.6 (704-6K2-A618 : IO PCB ASS'Y)



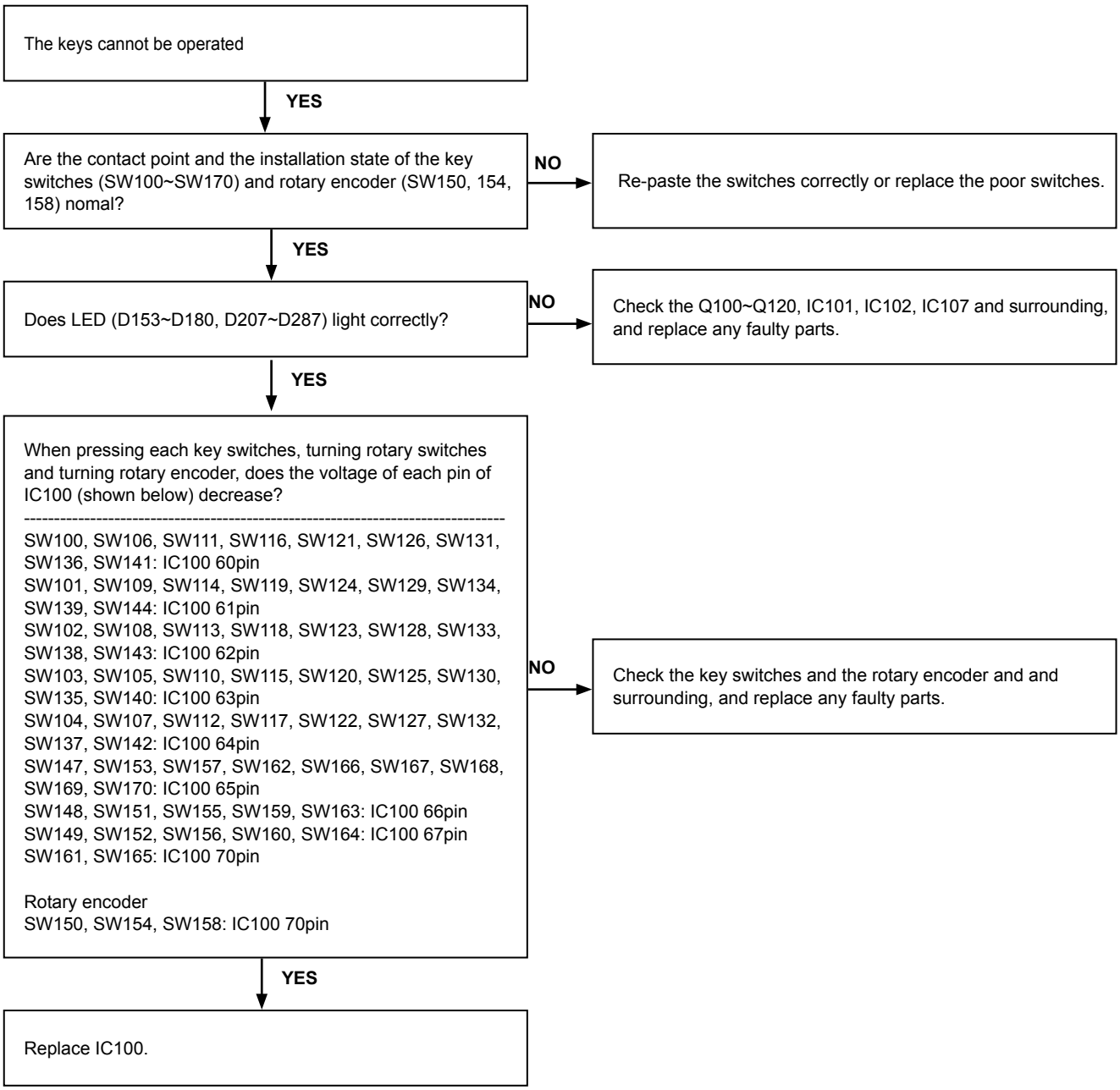
FLOW CHART NO.7 (704-6K2-A618 : IO PCB ASS'Y)



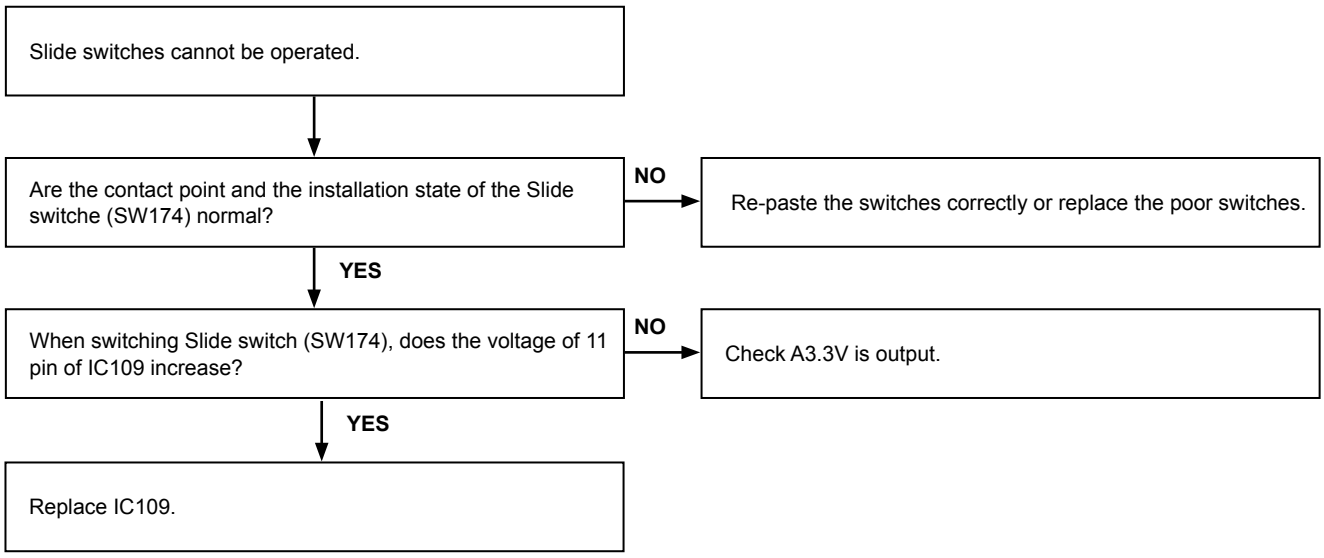
FLOW CHART NO.8 (704-6K2-A618 IO PCB ASS'Y)



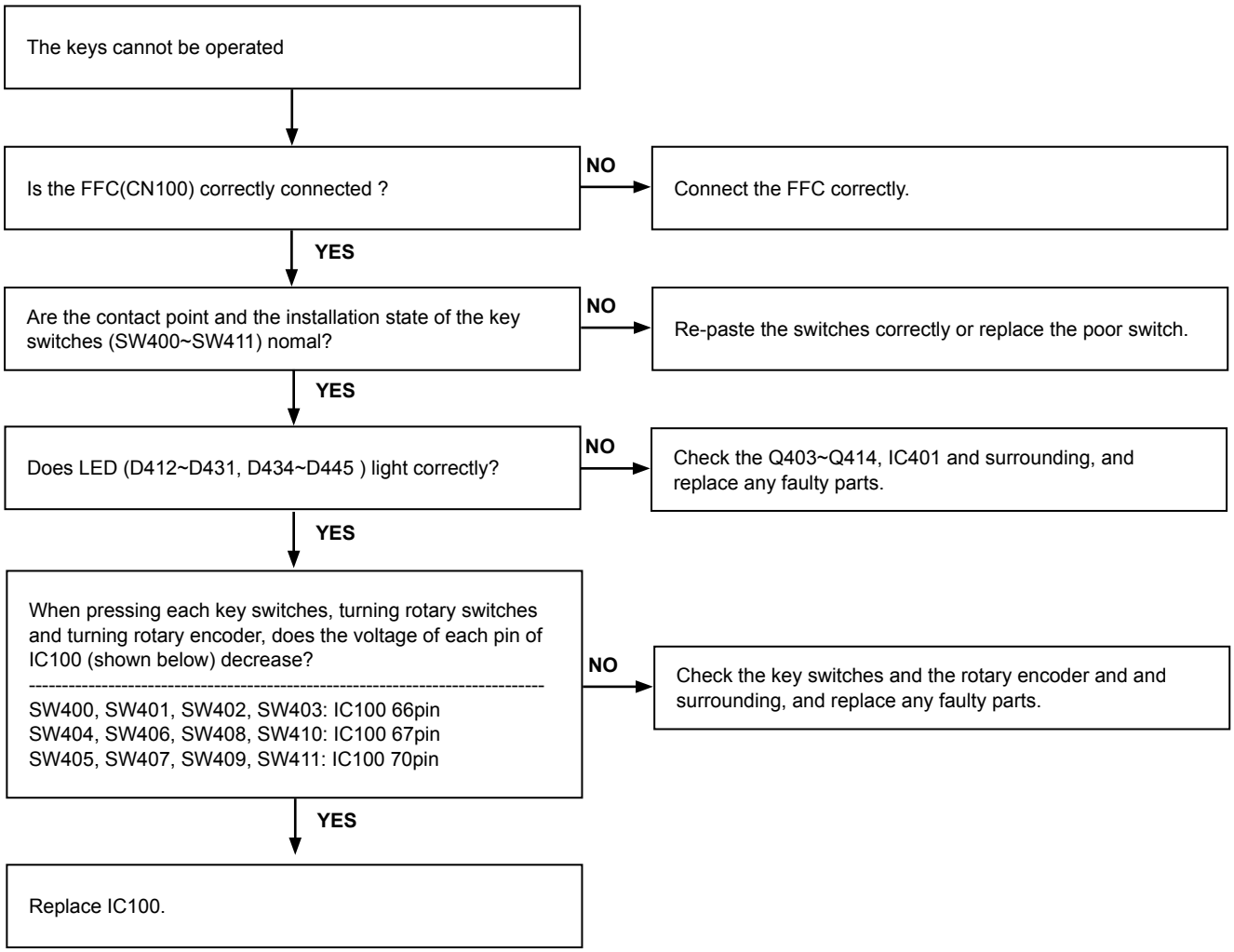
FLOW CHART NO.9 (704-6K2-A615 CONRTOL 1 PCB ASS'Y)



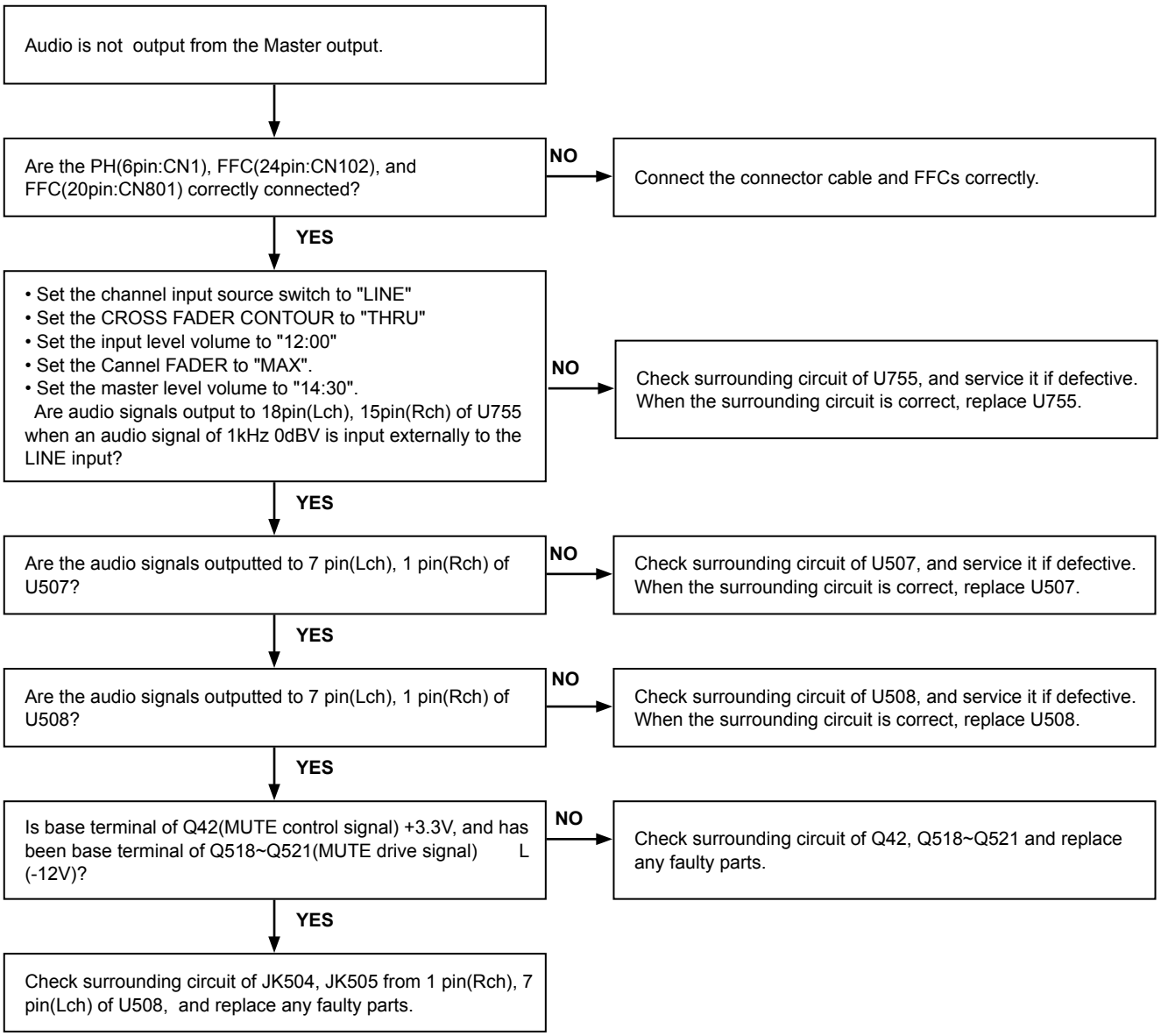
FLOW CHART NO.10 (704-6K2-A615 CONRTOL 1 PCB ASS'Y)



FLOW CHART NO.11 (704-6K2-A616 CONRTOL 2 PCB ASS'Y)



FLOW CHART NO.12 (704-6K2-A618 IO PCB ASS'Y, 704-6K2-A617 : MAIN PCB ASS'Y)



FLOW CHART NO.13 (704-6K2-A618 IO PCB ASS'Y, 704-6K2-A617 : MAIN PCB ASS'Y)

Sound of LINE input is not being output correctly

↓

Are the PH(6pin:CN1), FFC(24pin:CN102), and FFC(20pin:CN801) correctly connected?

NO → Connect the connector cable and FFCs correctly.

YES

↓

- Set the channel input source switch to "LINE"
- Set the CROSS FADER CONTOUR to "THRU"
- Set the input level volume to "12:00"
- Set the Cannel FADER to "MAX".
- Set the master level volume to "14:30".

Are audio signals output to 7pin(Lch), 1pin(Rch) of U505 when an audio signal of 1kHz 0dBV is input externally to the LINE input?

NO → Check surrounding circuit of U505 from K500, and service it if defective.
When the surrounding circuit is correct, replace U505.

YES

↓

Are the audio signals outputted to 11 pin and 12 pin of U751?

NO → Check periphery circuit of U751 from U505, and replace any faulty parts.
When the periphery circuit is correct, replace U751.

YES

↓

Are the digital audio signals (0-3.3V) outputted from 4 pin of U751?

NO → Replace any faulty parts.

YES

↓

Check surrounding circuit of 88 pin of IC902 from 4 pin of U751, and replace any faulty parts.

FLOW CHART NO.14 (704-6K2-A616 CONRTOL 2 PCB ASS'Y, 704-6K2-A615 CONRTOL 1 PCB ASS'Y)

JOG WHEEL is no operating
(BEND functions is not operating)

↓

Is D3.3V being output from 27 pin of CN100?

NO → Connect the FFC (32pin:CN100) correctly.

YES

↓

Is encoder waveform(0-3.3V) outputted to 14pin, 15pin, 16pin, 17pin of CN100, when JOG WHEEL is turned.(See Fig.1-6 of the 52 page.)

NO → Check surrounding circuit of CN100 from D432/D433/D443/D444, and service it if defective.When the surrounding circuit is correct, replace FFC cabel.

YES

↓

Is encoder waveform(0-3.3V) outputted to 9pin, 10pin, 11pin, 12pin of IC100 from CN100, when JOG WHEEL is turned.(See Fig.1-6 of the 52 page.)

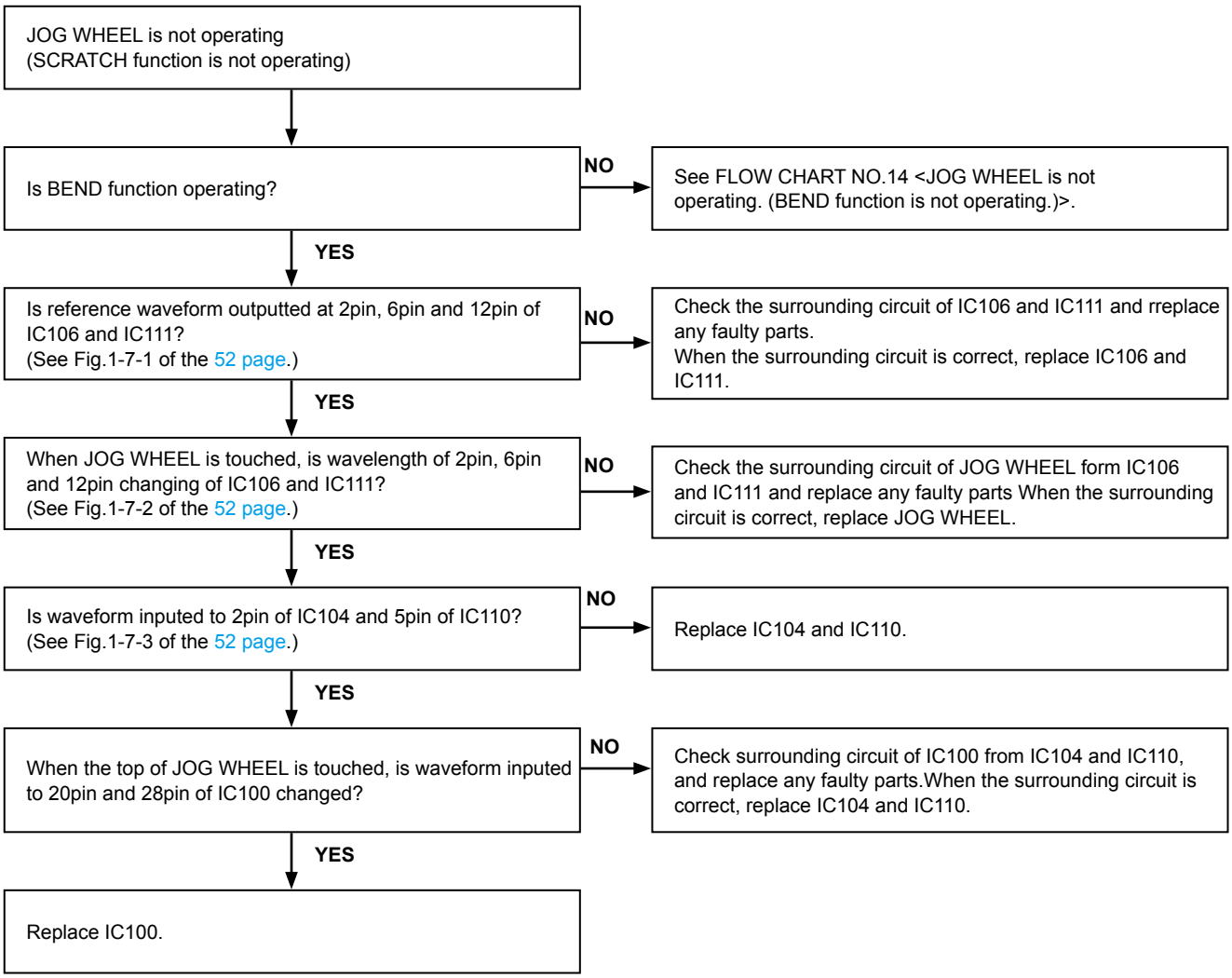
NO → Check surrounding circuit of IC100 from CN100, and service it if defective.

YES

↓

Replace IC100.

FLOW CHART NO.15 (704-6K2-A615 CONRTOL 1 PCB ASS'Y)

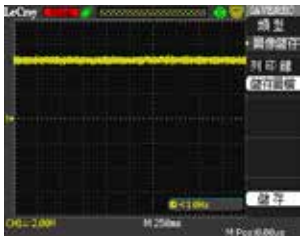


WAVEFORMS and TROUBLESHOOTING

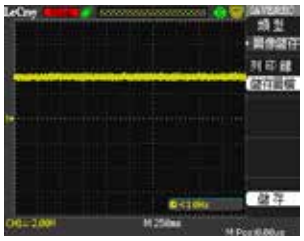
1-1 Power failure
Symptom: The DECK1&2 LED and DECK1&2 VINYL does not light. Status of
The product: The power circuit failure
Diagnostic procedure:
1. Connect the DC12V/3A adaptor, Turn on the power switch, as figure 1-1.
2. Check each DC voltage, measure C21 positive to ground is +12V C18 positive to ground is D5V, C17 positive to ground is D3.3V, C46 positive to ground is 3.3V, C47 positive to ground is A3.3V, C51 negative to ground is A-12V, C50 positive to ground is A+12V.

1-1 C21 +12V

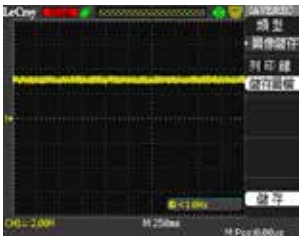
1-1 C18 D5V



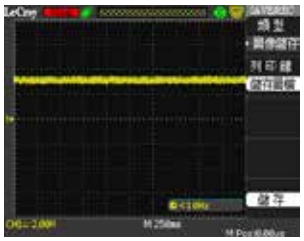
1-1 C17 D3.3V



1-1 C46 3.3V

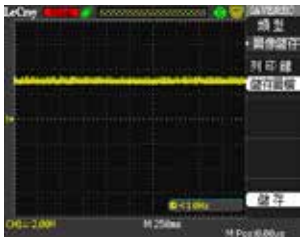


1-1 C47 A3.3V



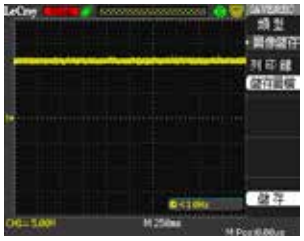
1-1 C51 A-12V

1-1 C50 A+12V



1-2 No key function
Symptom: No key function
Diagnostic procedure:
1.Measure if there is operating wave for pin of tact sw, as figure 1-2
If it is not, please check tact sw. status.

1-2 TACT SW PIN



1-3 Rotary selector not controllable
Symptom: Rotary selector not controllable
Diagnostic procedure:
1.Measure if there is operating wave for pin of EN1~EN6, Check IC100 PIN42 ~ PIN46&PIN52, as figure 1-3
If it is always on high level, please check if Rotary selector is controlled.

1-3 ROTARY ENCODER PIN

1-4 Slider volume not controllable

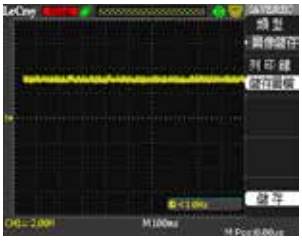
Symptom: Slider volume not controllable

Diagnostic procedure:

1.Measure if there is operating wave for pin of AD10~AD11, Check IC402 PIN3&PIN13, as figure 1-4

If it is always on high level, please check if Rotary selector is controlled.

1-4 SLIDER VOLUME PIN



1-5 Select switch can not work

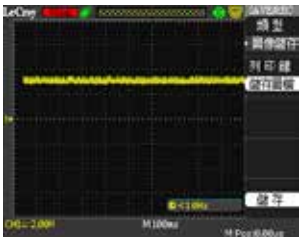
Symptom: Select switch can not work

Diagnostic procedure:

1.Measure if there is operating wave for pin, Check IC380 PIN9&PIN10, as figure 1-5

If it is always on high level, please check if selector switch is controlled.

1-5 SLIDER SWITCH PIN



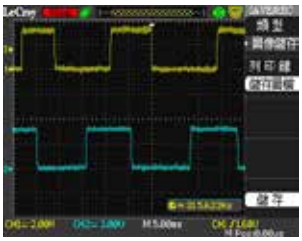
1-6 Jog rotation can not be dectected

Symptom: Jog rotation can not be detected

Diagnostic procedure:

1.Turn the jog to measure if there is operating wave for pin, Check IC403 PIN2&PIN4&PIN8&PIN10, as figure 1-6

1-6 JOG ROTATION PIN



1-7 Jog touch can not be detected

Symptom: Jog touch can not be detected

Diagnostic procedure:

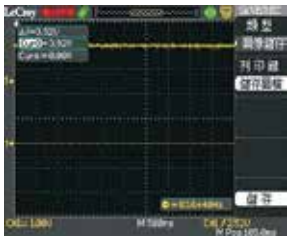
1.Touch the jog to measure if it is Hi to Low for pin, Check IC106&IC111 PIN5, as figure 1-7-4

If the wave is unexpected, please check IC106&IC111

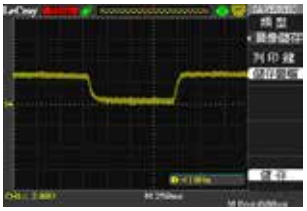
1-7-1

1-7-2

1-7-3



1-7-4



1-8 No sound input/output from USB

Symptom: Audio is not input/output :

Diagnostic procedure:

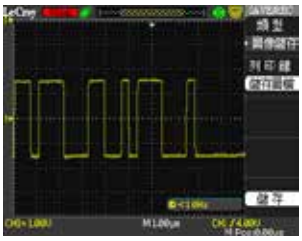
1.Connect PC with USB cable.

2.Is there clock 6MHz to ground IC901->PIN51&50 If it is not, IC901、X900 is damaged.

3.Is a signal input to the USB D+ & D- ? IC901 USB IN->PIN7& PIN8 , as figure 1-8

4.If it is not, IC901 is damaged.

1-8 IC901 PIN7& PIN8



1-9 No sound output from MASTER OUT

Symptom: Audio is not output & MASTER level meter is not light up :

Diagnostic procedure:

1.Is a signal output to the DAC? U755:MASTER->PIN15&PIN18

A. If it is, something is wrong with the analog -circuit block. Check if output amplifier (U515:MASTER) is working normally. Check if each MUTE transistor (Q512~513) BASE PIN is -12V.

B. If it is not, something is wrong with the digital-circuit block. Check if there is CLOCK signal for U755 :MASTER->PIN1 & PIN2 & PIN3 & PIN4 , as figure 1-9.

1-10 No sound output from BOOTH

Symptom: Audio is not output :

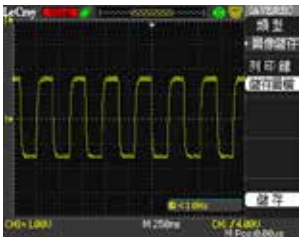
Diagnostic procedure:

1. Is a signal output to the DAC? U756:BOOTH->PIN15 & PIN18

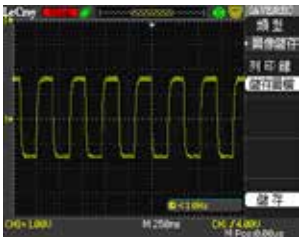
A. If it is, something is wrong with the analog -circuit block. Check if output amplifier (U510) is working normally. Check if each MUTE transistor (Q526~Q529) BASE PIN is -12V.

B. If it is not, something is wrong with the digital-circuit block. Check if there is CLOCK signal for U756:BOOTH ->PIN1 & PIN2 & PIN3 & PIN4, as figure 1-9.

1-9 U755 PIN 1



1-9 U755 PIN 2



1-9 U755 PIN 3

1-9 U755 PIN 4

1-11 No sound output from PHONES

Symptom: Audio is not output :

Diagnostic procedure:

1. Is a signal output to the DAC? U759:PHONES->PIN15 & PIN18

A. If it is, something is wrong with the analog -circuit block. Check if output amplifier (U512: PHONES) is working normally. Check if each MUTE transistor (Q550~Q553:PHONES)BASE PIN is -12V.

B. If it is not, something is wrong with the digital-circuit block. Check if there is CLOCK signal for U759 :PHONE->PIN1 & PIN2 & PIN3 & PIN4, as figure 1-9.

1-12 No sound input from MIC1

Symptom: Audio is not input:

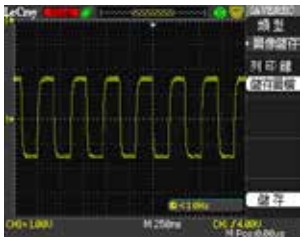
Diagnostic procedure:

1. Is a signal input to the ADC ? MIC(U752) ->PIN10

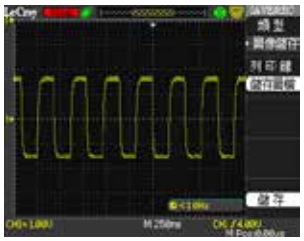
A. If it is not, something is wrong with the analog-circuit block. Check if OPA MIC(U513) is working normally.

B. If it is, something is wrong with the digital-circuit block. Check if there is CLOCK signal for MIC(U752) ->PIN2 & PIN4 & PIN7 & PIN8, as figure 1-9

1-9 U755 PIN 1



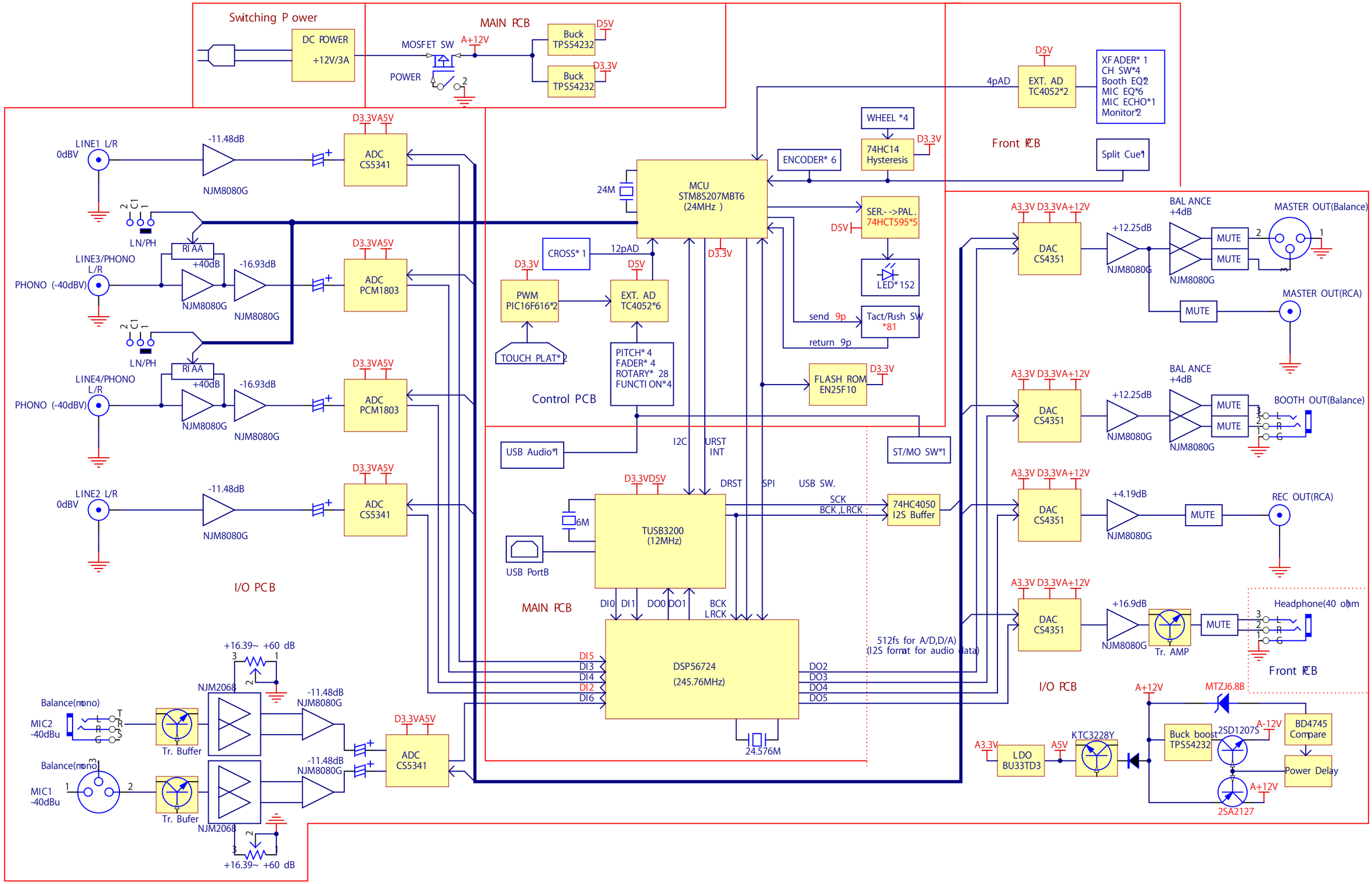
1-9 U755 PIN 2



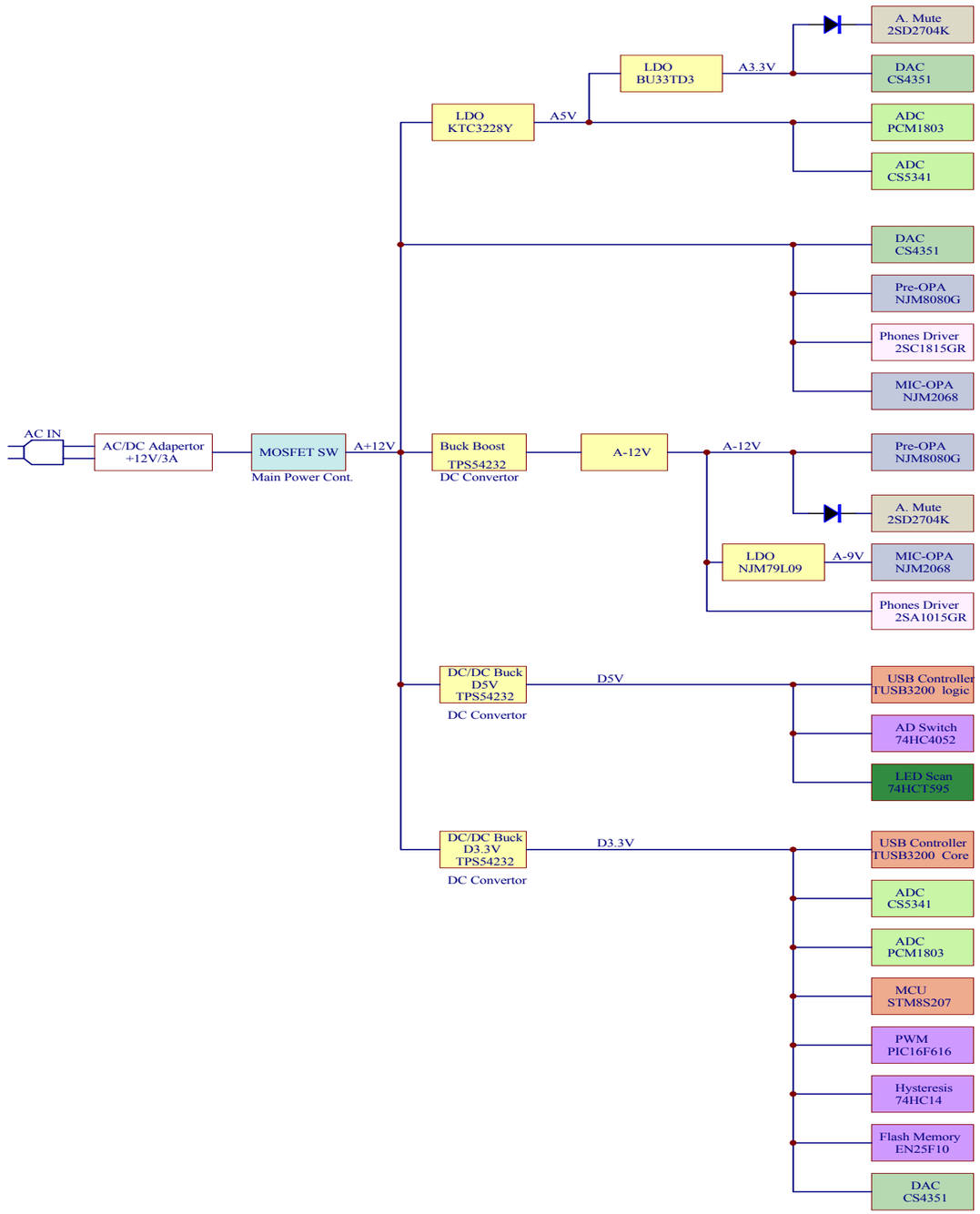
1-9 U755 PIN 3

1-9 U755 PIN 4

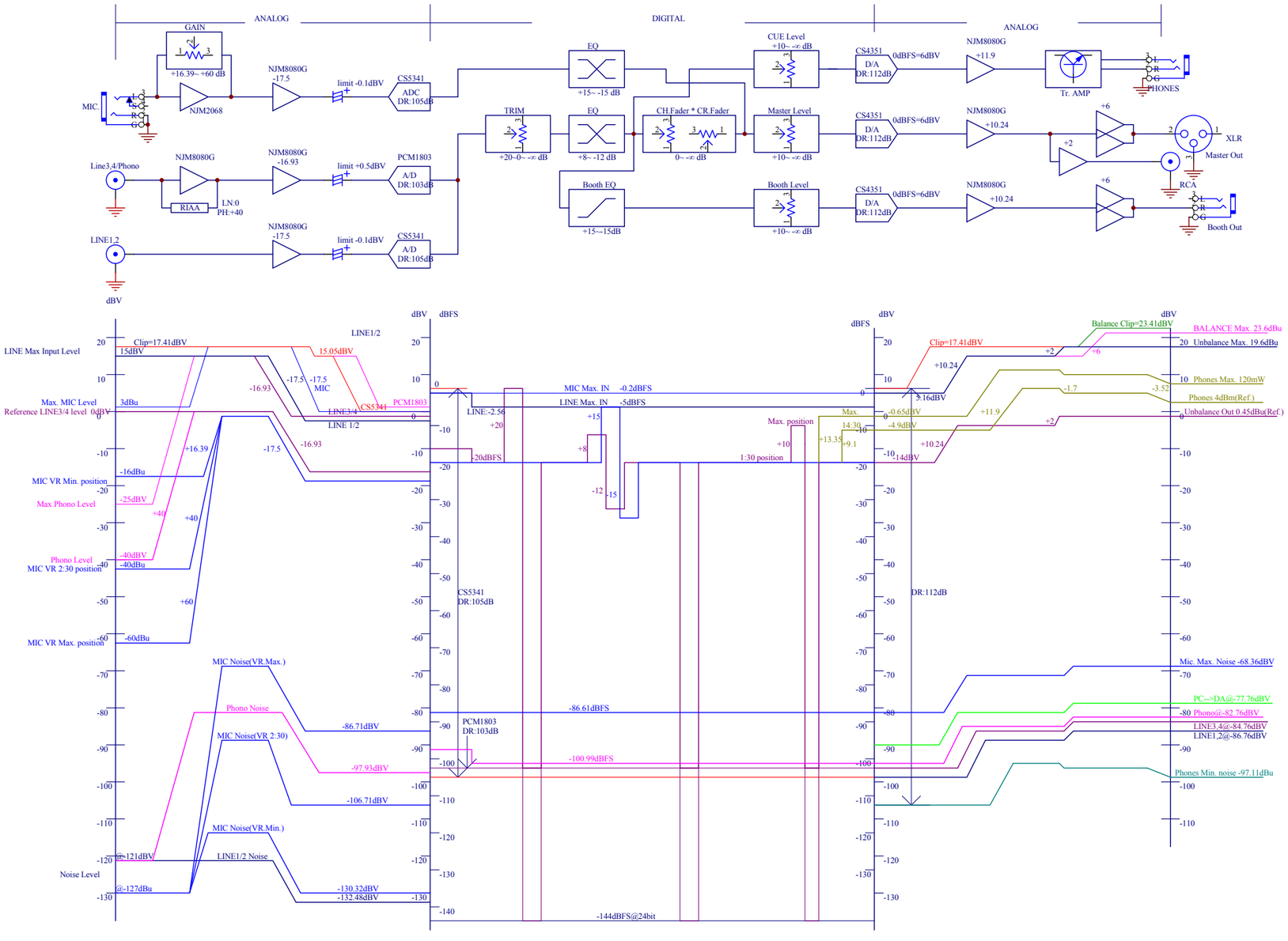
BLOCK DIAGRAM



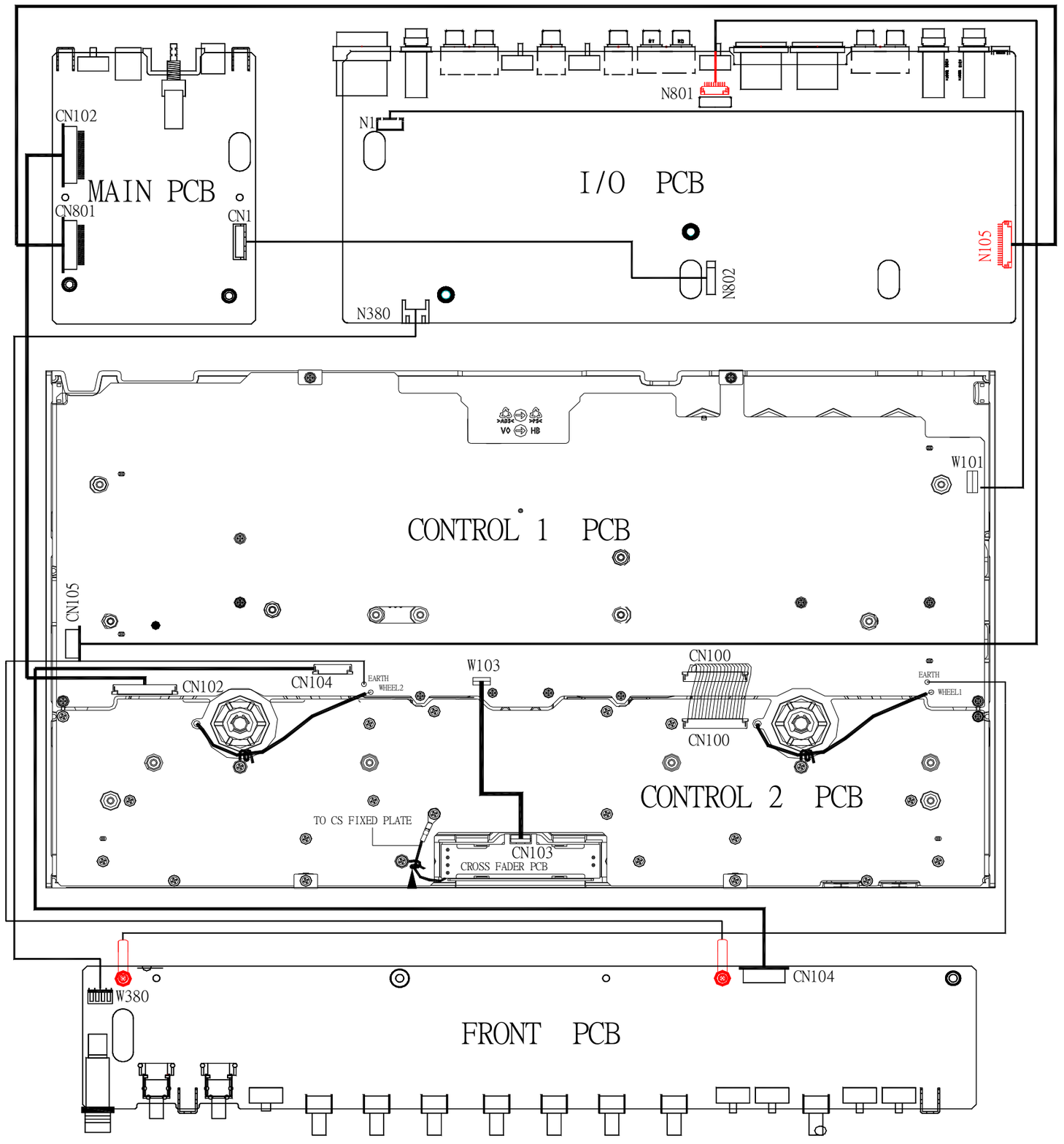
POWER BLOCK DIAGRAM



LEVEL DIAGRAM



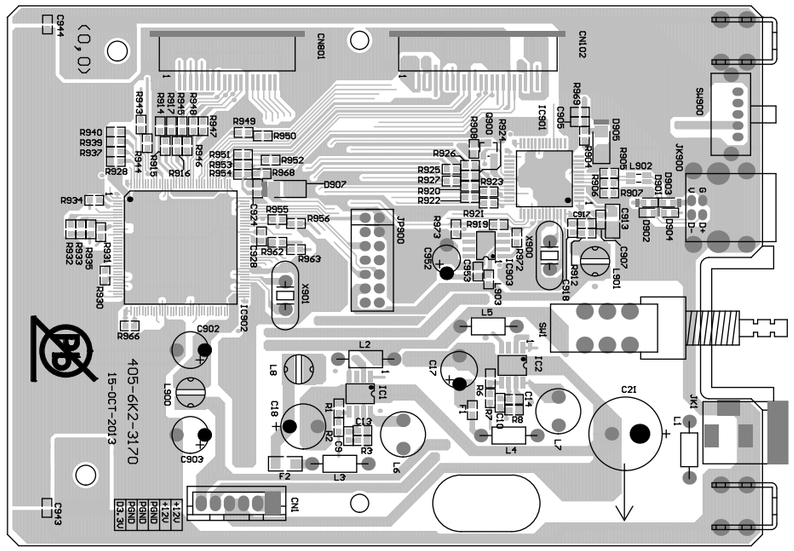
WIRING DIAGRAM



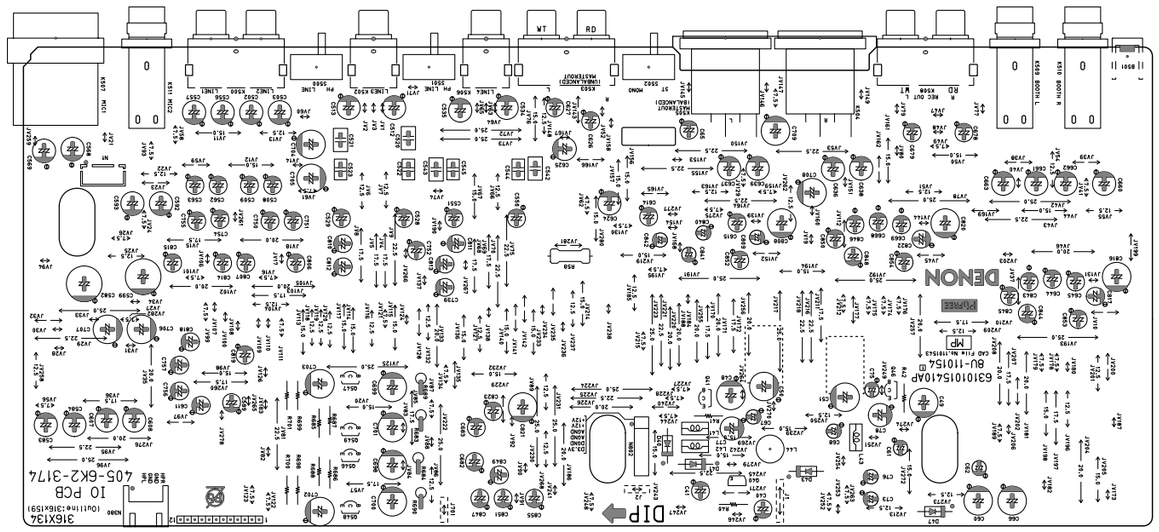
PRINTED WIRING BOARDS

Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

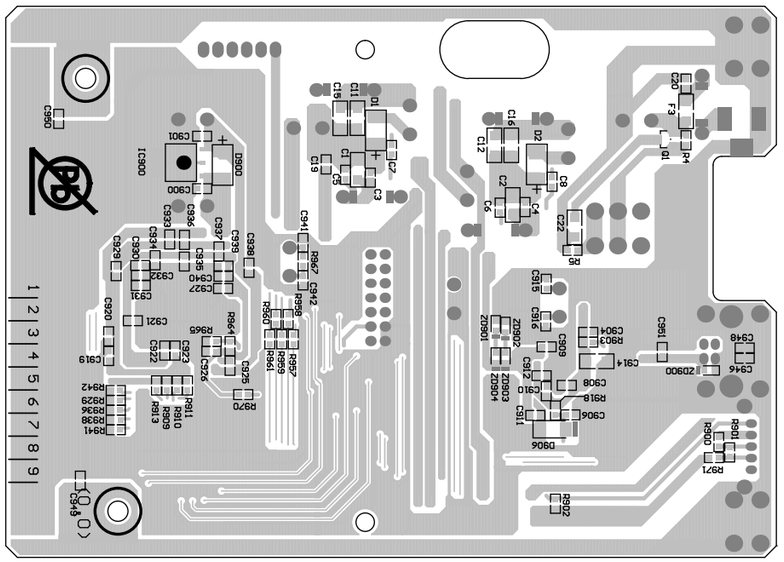
MAIN (A SIDE)



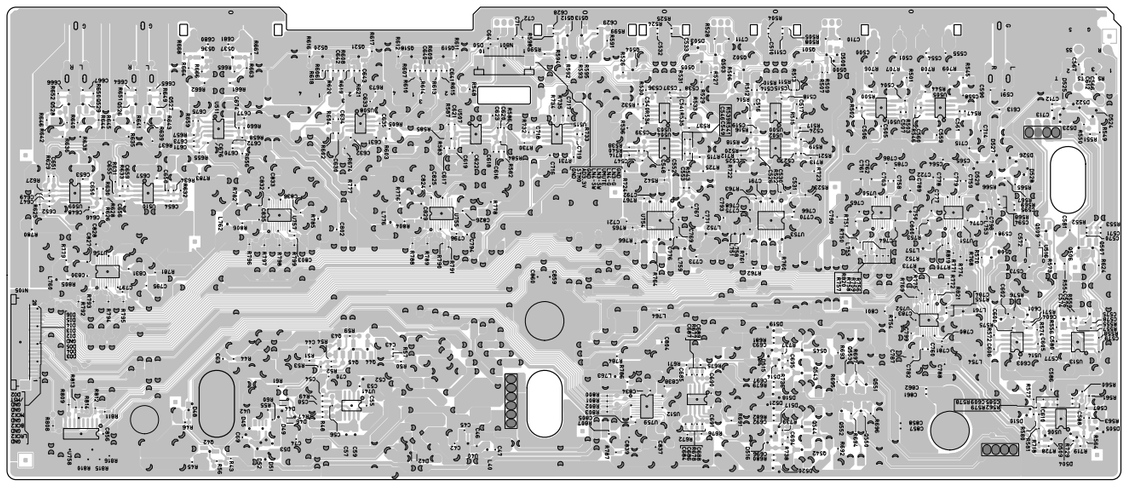
IO PWB (A SIDE)



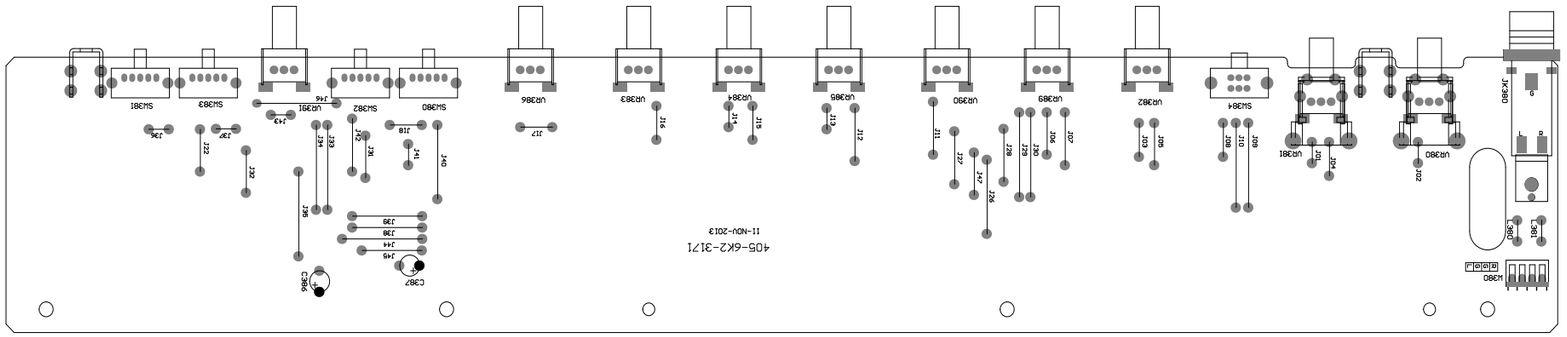
MAIN (B SIDE)



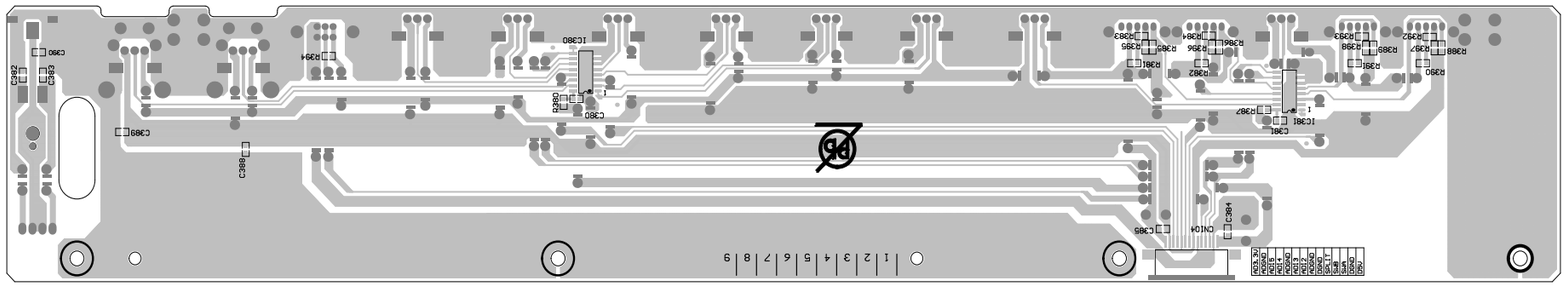
IO PWB (B SIDE)



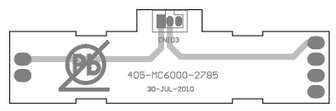
FRONT PWB (A SIDE)

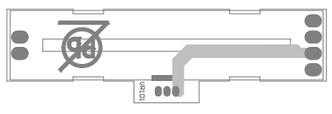


FRONT PWB (B SIDE)

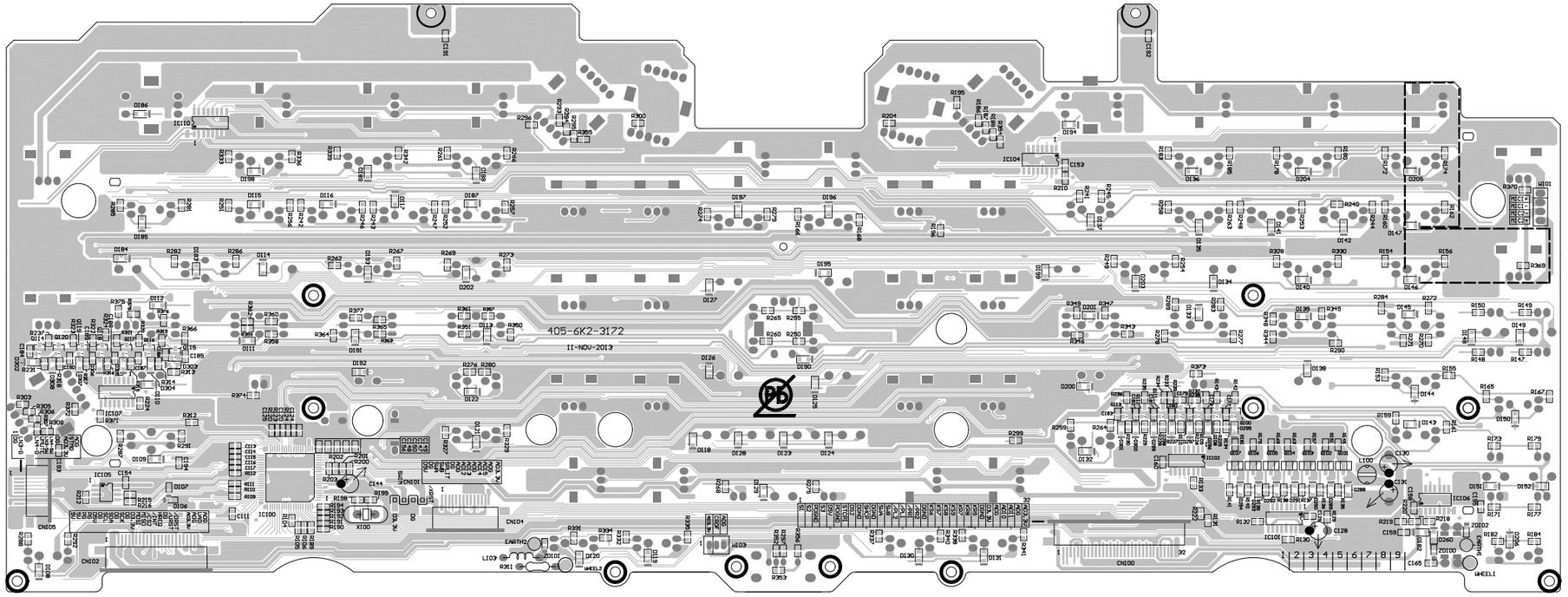


FADER PWB(A, B SIDE)

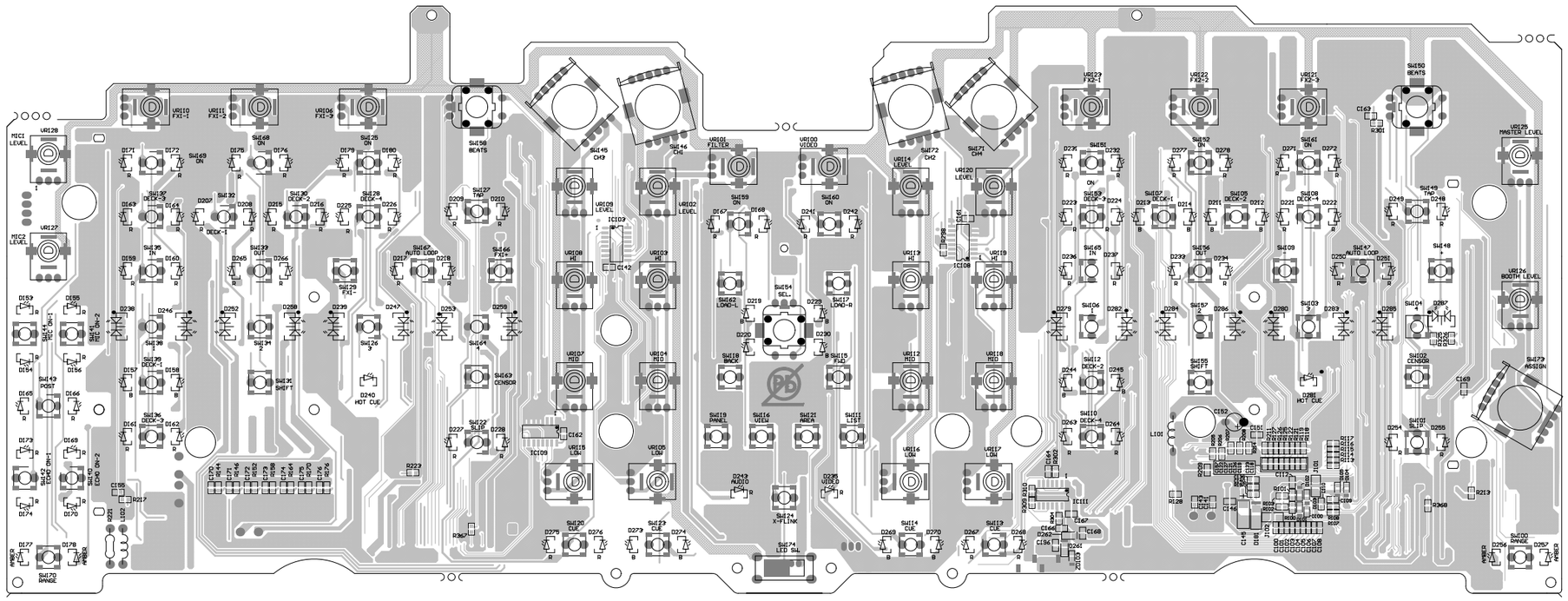




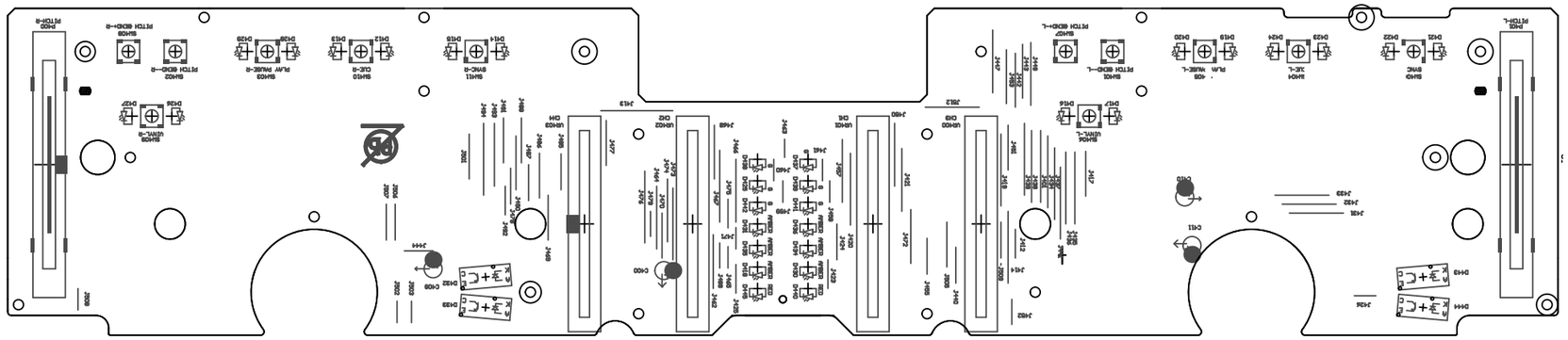
CONTROL 1 (A SIDE)



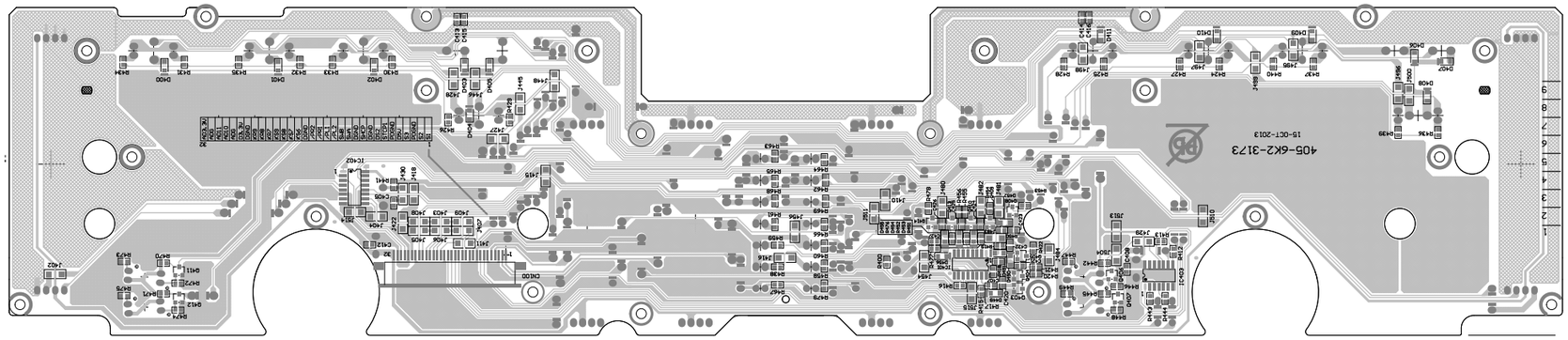
CONTROL 1 (B SIDE)

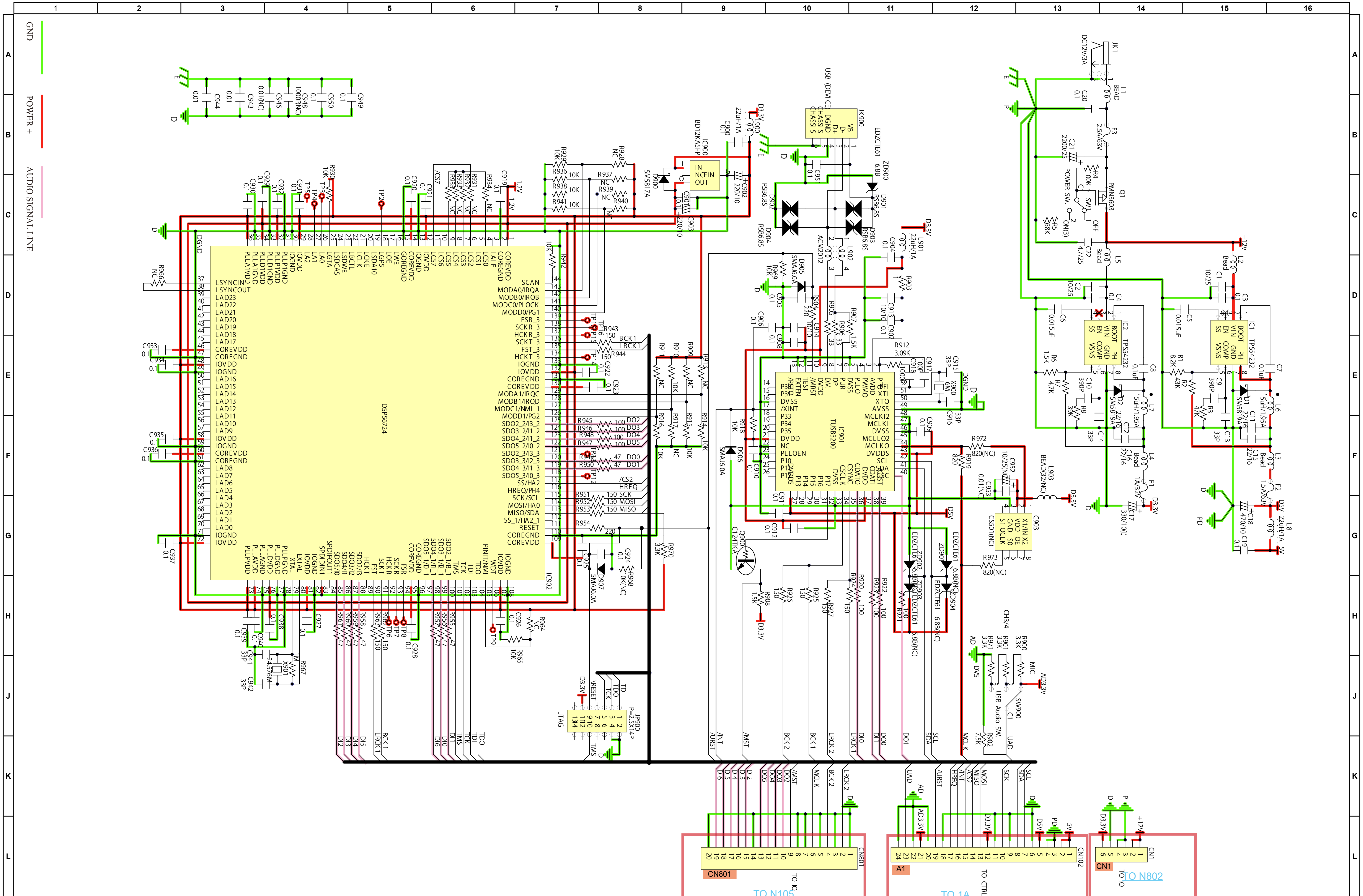


CONTROL 2 PWB (A SIDE)



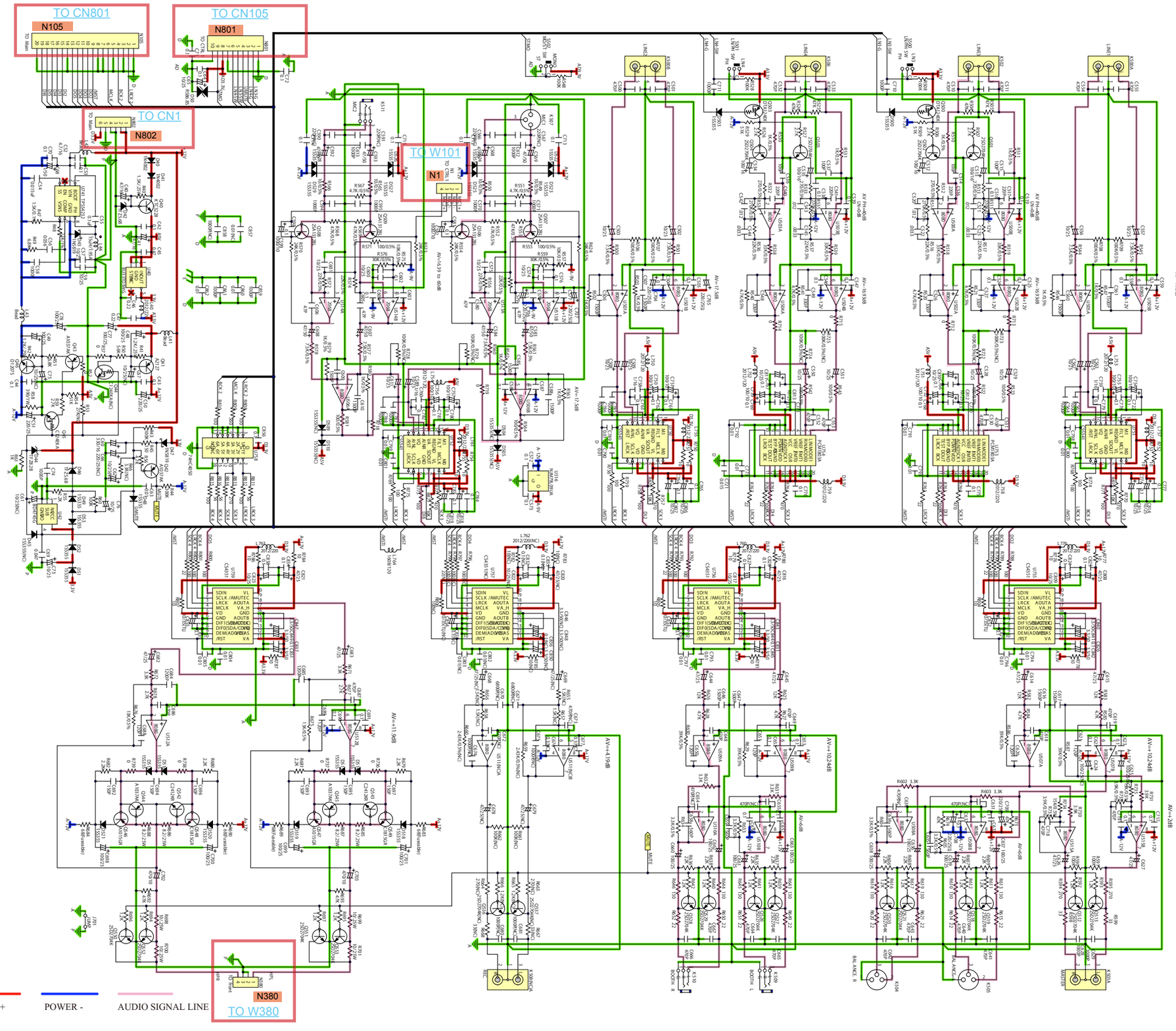
CONTROL 2 PWB (B SIDE)



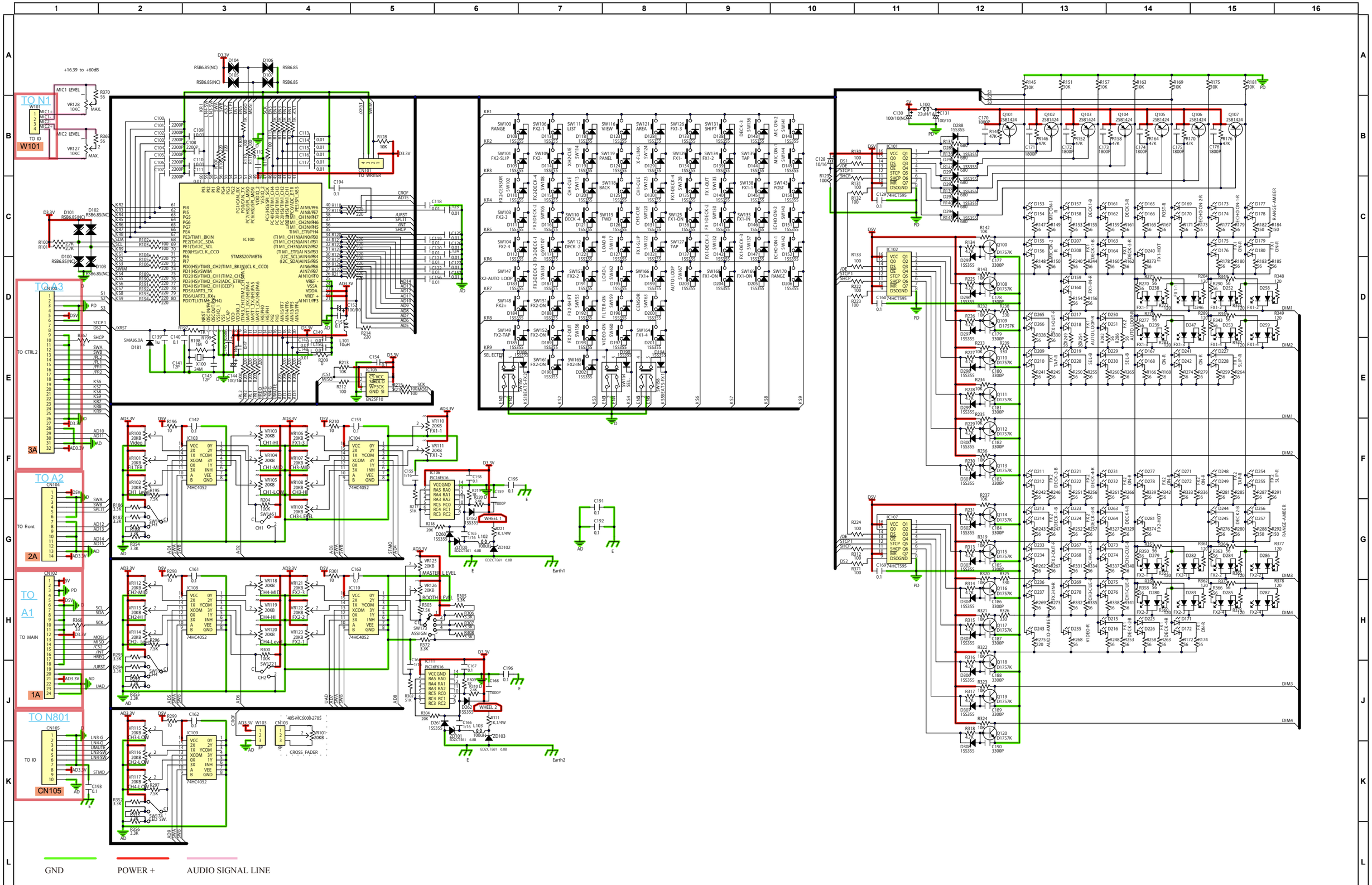


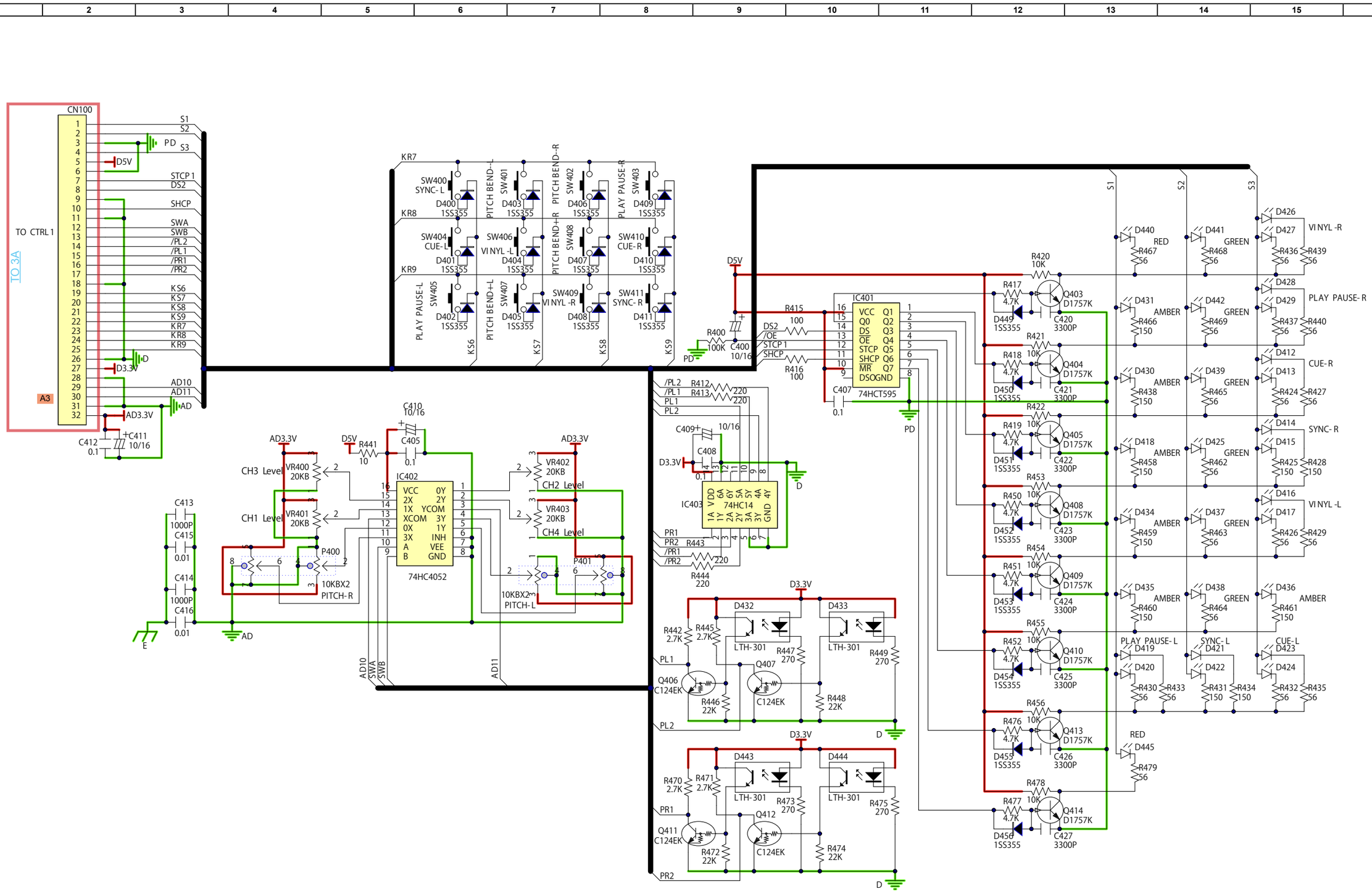
SCHEMATIC DIAGRAMS (1/5)

MAIN UNIT

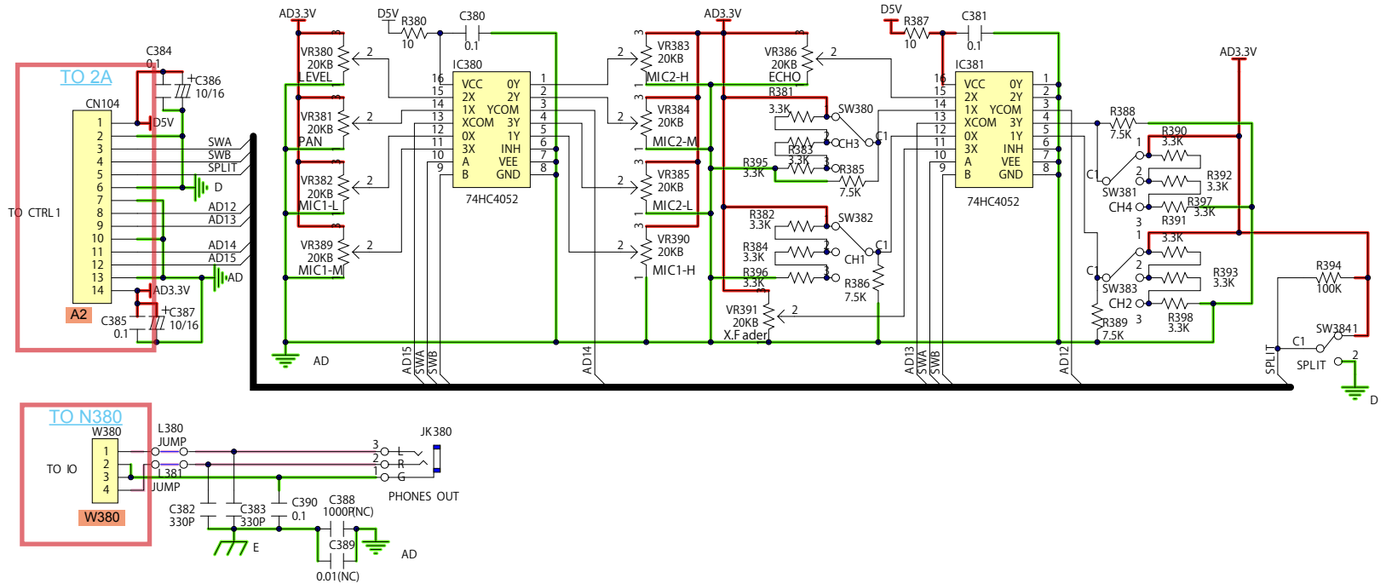


SCHEMATIC DIAGRAMS (2/5)
I/O


TO N1
W101
MIC1 LEVEL
MIC2 LEVEL
VR128 10KC
VR127 10KC
MAX.
TO IO
TO A3
CN100
3A
TO A2
CN104
2A
TO A1
CN102
1A
TO N801
CN105
TO CTRL2
TO Front
TO MAIN
IC100
STM8S207MBT6
IC101
IC102
IC103
IC104
IC105
IC106
IC107
IC108
IC109
IC110
IC111
74HC4052
74HCT595
PIC16F616
EN25F10
SW100 RANGE
SW101 FX2-SLIP
SW102 FX2-CENSOR
SW103 FX2-3
SW104 FX2-4
SW147 X2-AUTO LOOP
SW148 FX2+
SW149 FX2-TAP
SW150 SEL ECTER
SW111 LIST
SW112 DECK -2
SW113 CH4-CUE
SW114 XH2CUE
SW115 FWD
SW116 VIEW
SW117 LOAD-R
SW118 BACK
SW119 PANEL
SW120 CH3-CUE
SW121 AREA
SW122 FX1-SLIP
SW123 X-FLINK
SW124 FX1-OUT
SW125 FX1-ON
SW126 FX1-3
SW127 TAP
SW128 FX1-DECK-4
SW129 FX1-DECK-3
SW130 FX1-DECK-2
SW131 SHIFT
SW132 FX1-2
SW133 FX1-IN
SW134 FX1-DECK-1
SW135 FX1-DECK-3
SW136 DECK-3
SW137 FX1-DECK-3
SW138 FX1-1
SW139 TAP
SW140 SW140
SW141 MIC ON-1
SW142 ECHO ON-1
SW143 POST
SW144 SW144
SW145 MIC ON-2
SW146 ECHO ON-2
SW147 FX1-4
SW148 FX1-ON
SW149 FX1-2
SW150 FX1-ON
SW151 FX2-ON
SW152 FX2-ON
SW153 FX2-SHIFT
SW154 FX2-OUT
SW155 FX2-OUT
SW156 FX2-IN
SW157 LOAD-L
SW158 FILTER-ON
SW159 VIDEO-ON
SW160 SW160
SW161 CENSOR
SW162 SW162
SW163 SW163
SW164 FX1-4
SW165 FX1-ON
SW166 FX1+
SW167 AUTO LOOP
SW168 FX1-ON
SW169 FX1-ON
SW170 RANGE
SW171 SW171
SW172 ASSI GN
SW173 LED SW.
SW174 SW174
SW175 SW175
SW176 SW176
CROSS_FADER
405-MC6000-2785
GND
POWER +
AUDIO SIGNAL LINE
SCHEMATIC DIAGRAMS (3/5)
CONTROL 1



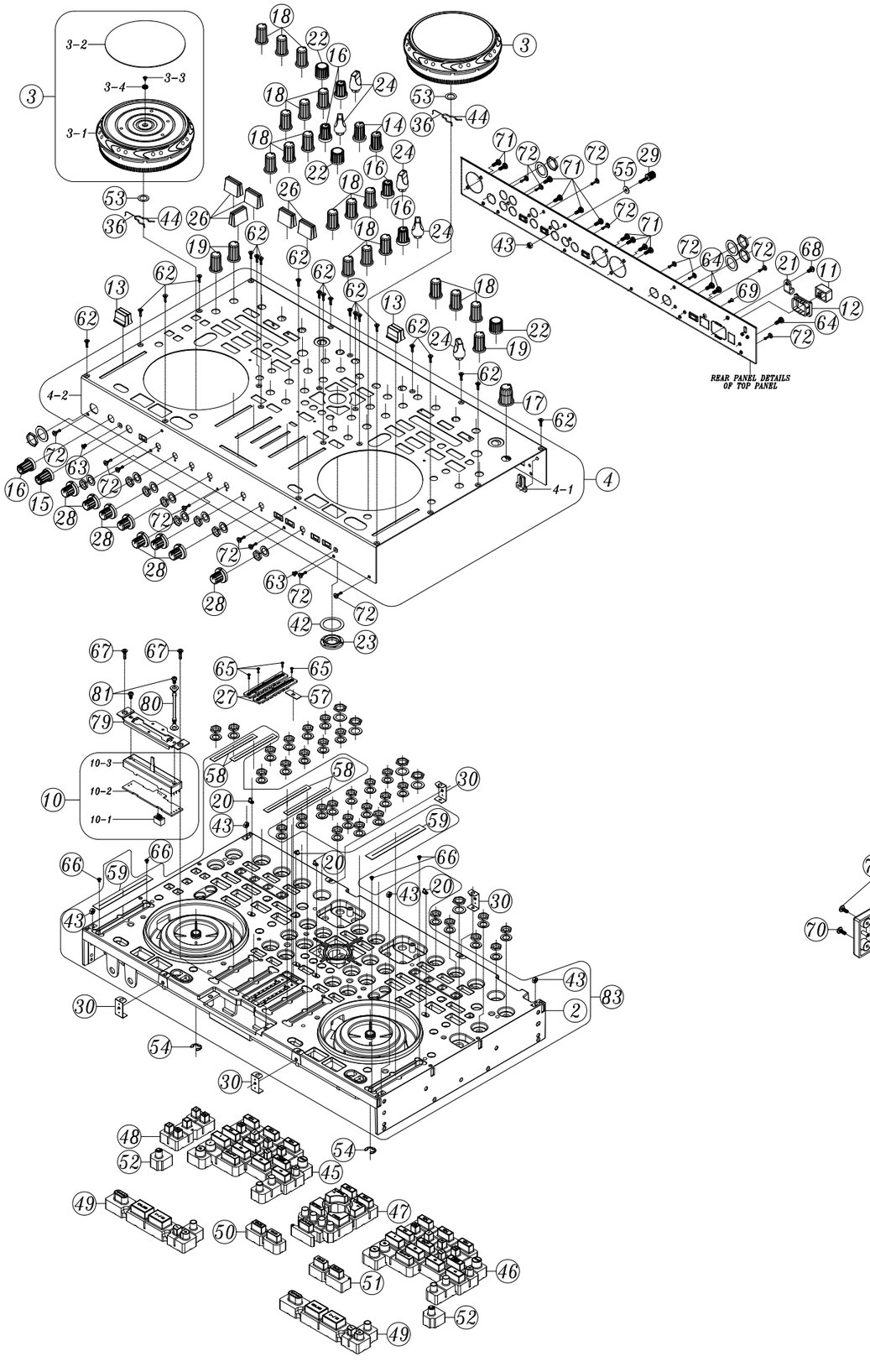
SCHEMATIC DIAGRAMS (4/5)
CONTROL 2

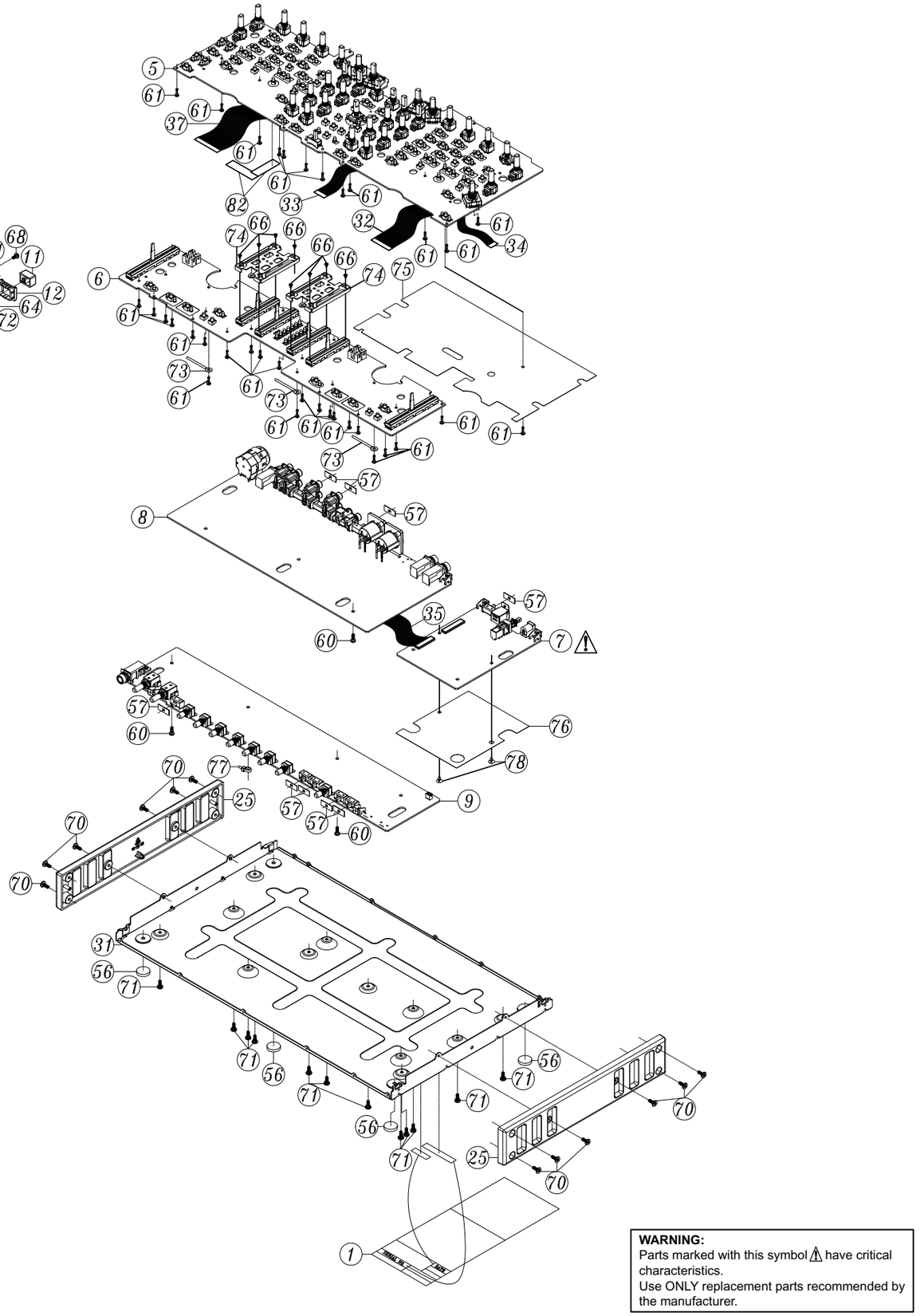


SCHEMATIC DIAGRAMS (5/5)
FRONT

EXPLODED VIEW

Refer to the last chapter for the part list.

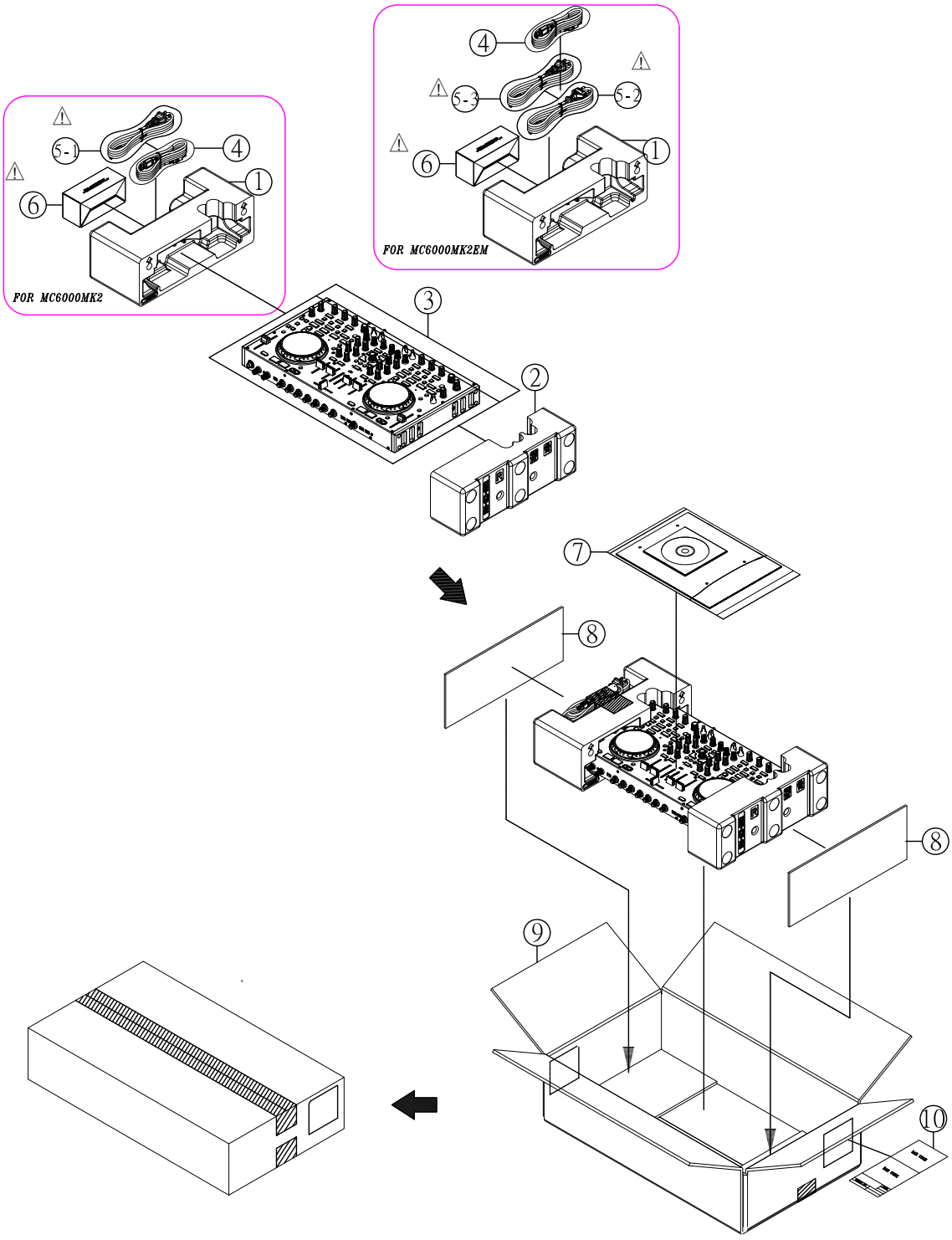




WARNING:
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

PACKING VIEW

Refer to the last chapter for the part list.

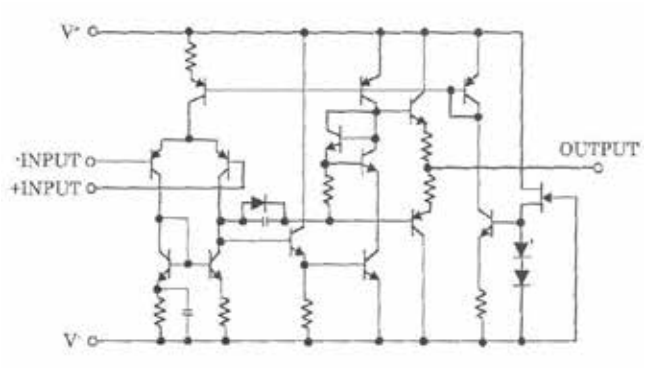


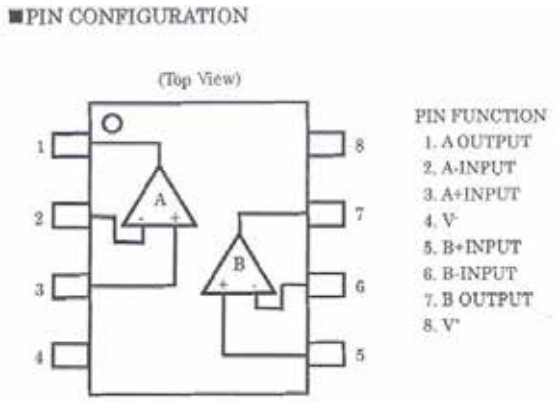
SEMICONDUCTORS

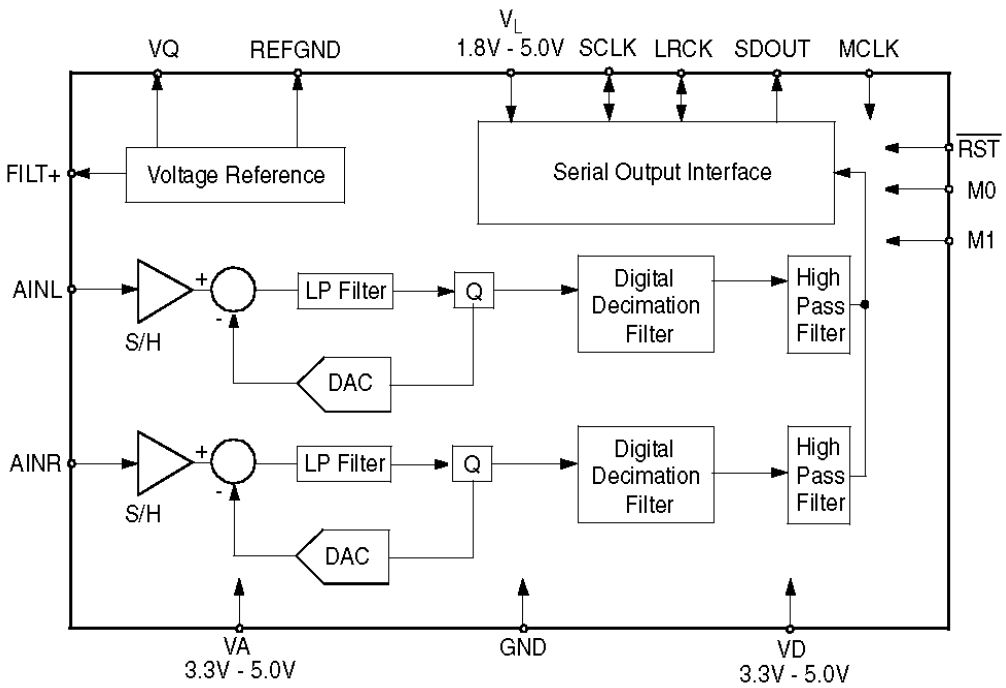
Only major semiconductors are shown. General semiconductors etc. are omitted from list.
The semiconductors which have a detailed drawing in a schematic diagram are omitted from list.

1. IC's

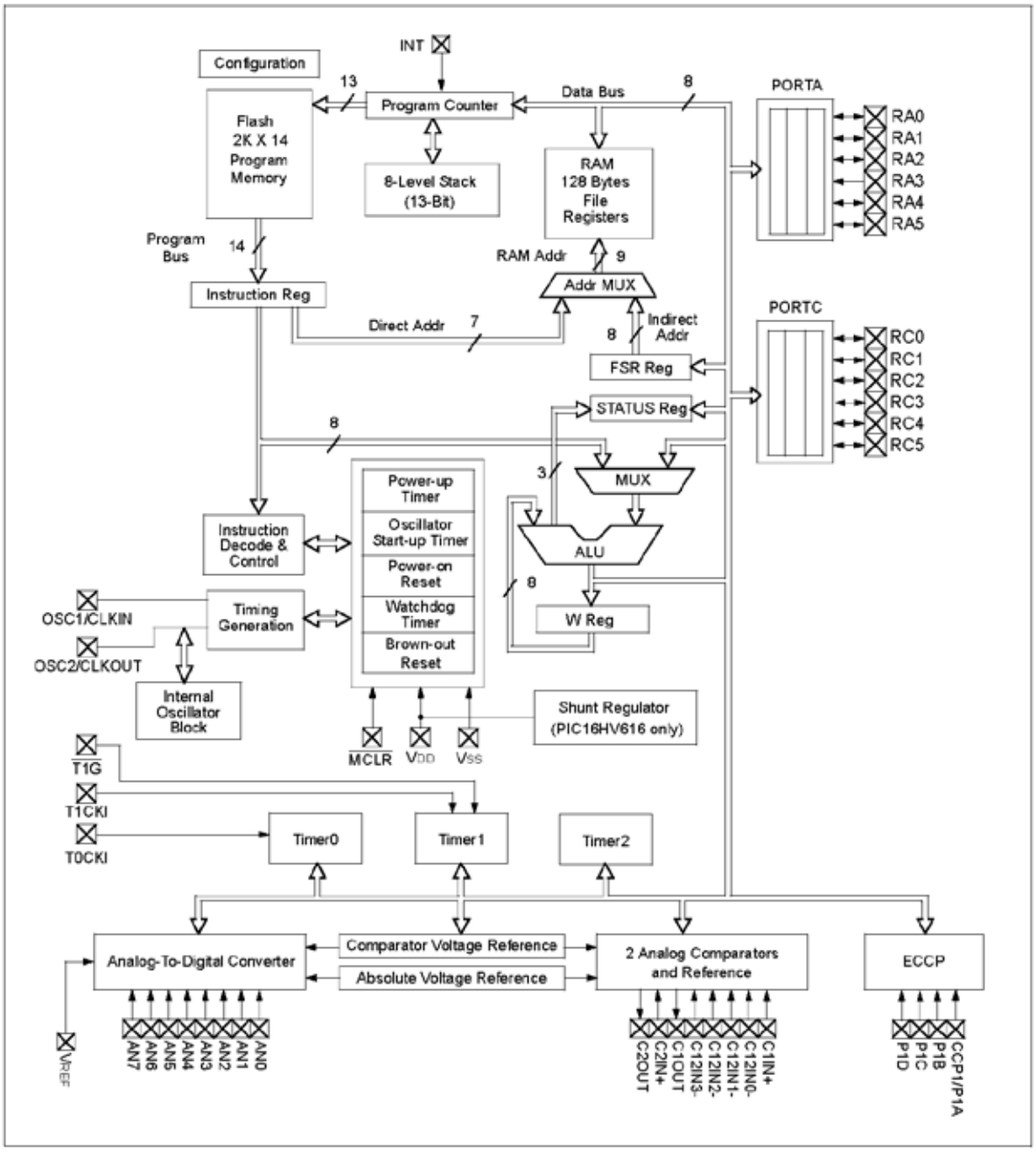
417-6K2-1142
IC(NJM8080G)







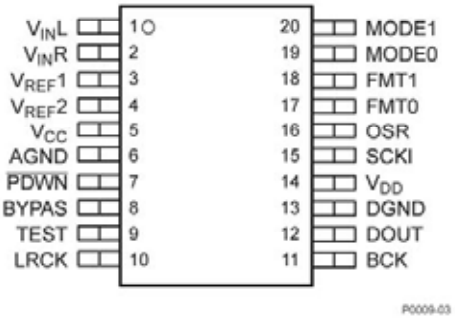
417-RMP3-936 IC(PIC16F616-I/SL,SOIC-16)



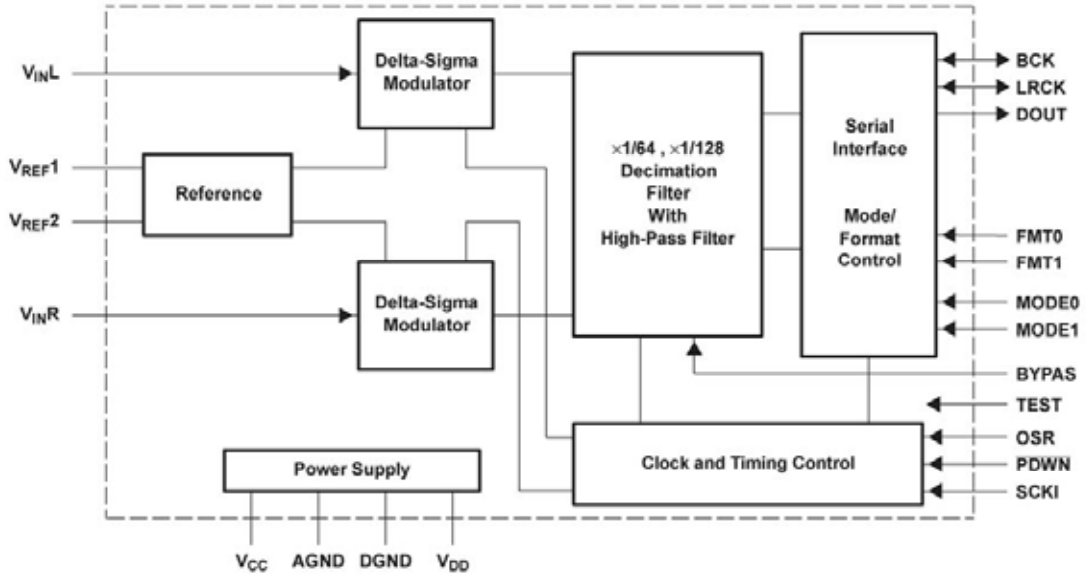
417-IQ2UM-940　IC(PCM1803ADB,SSOP-20)

PIN ASSIGNMENTS

PCM1803A
(TOP VIEW)

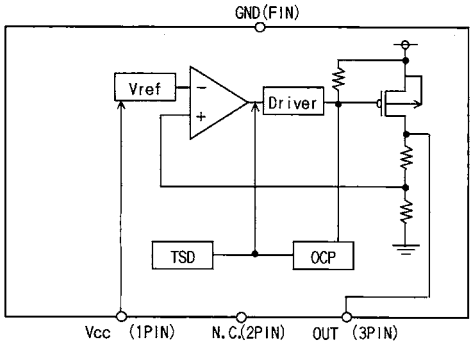


BLOCK DIAGRAM



417-IQ2UM-1004　IC(BD12KA5FP,TO252-3)

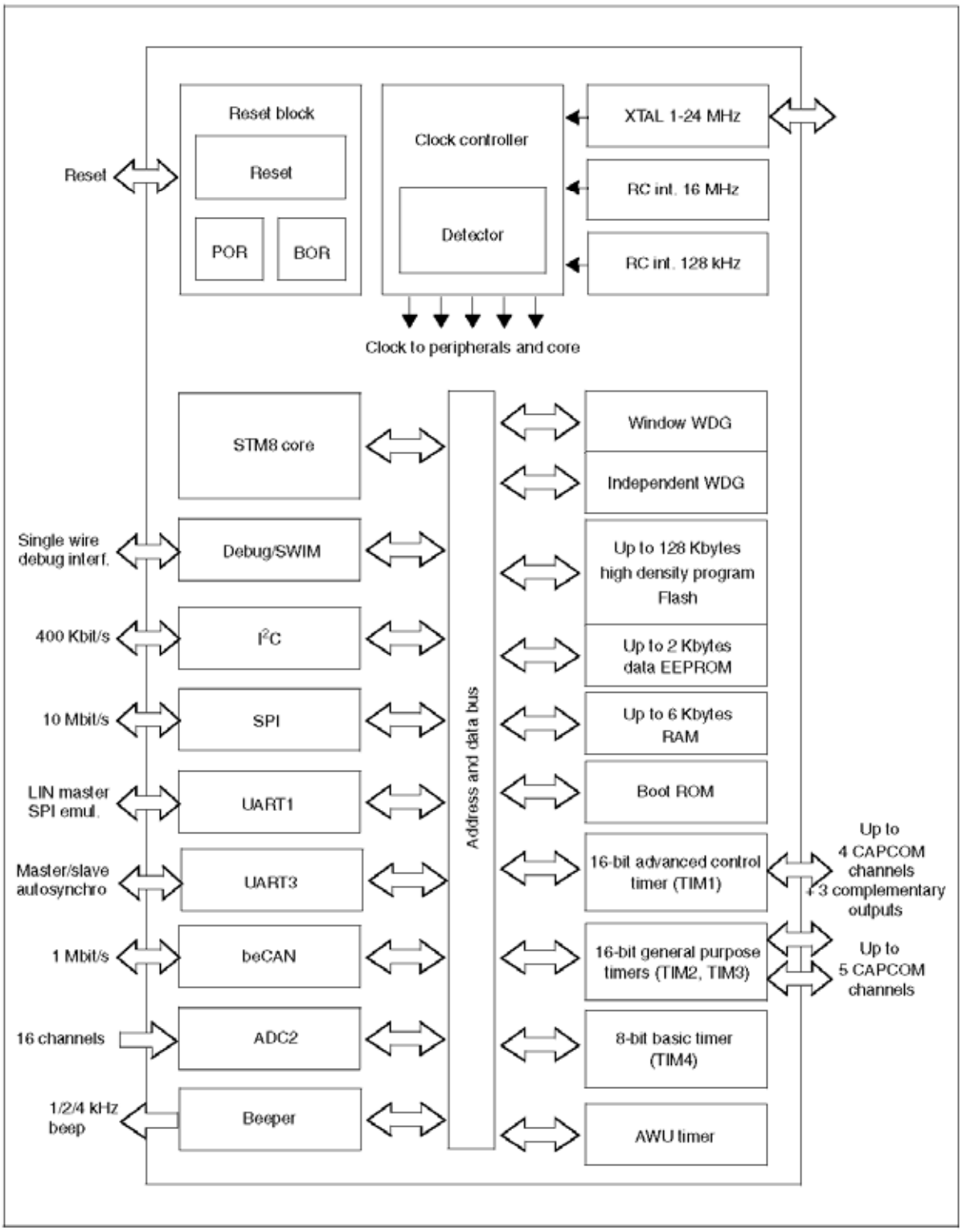
OBLOCK DIAGRAM



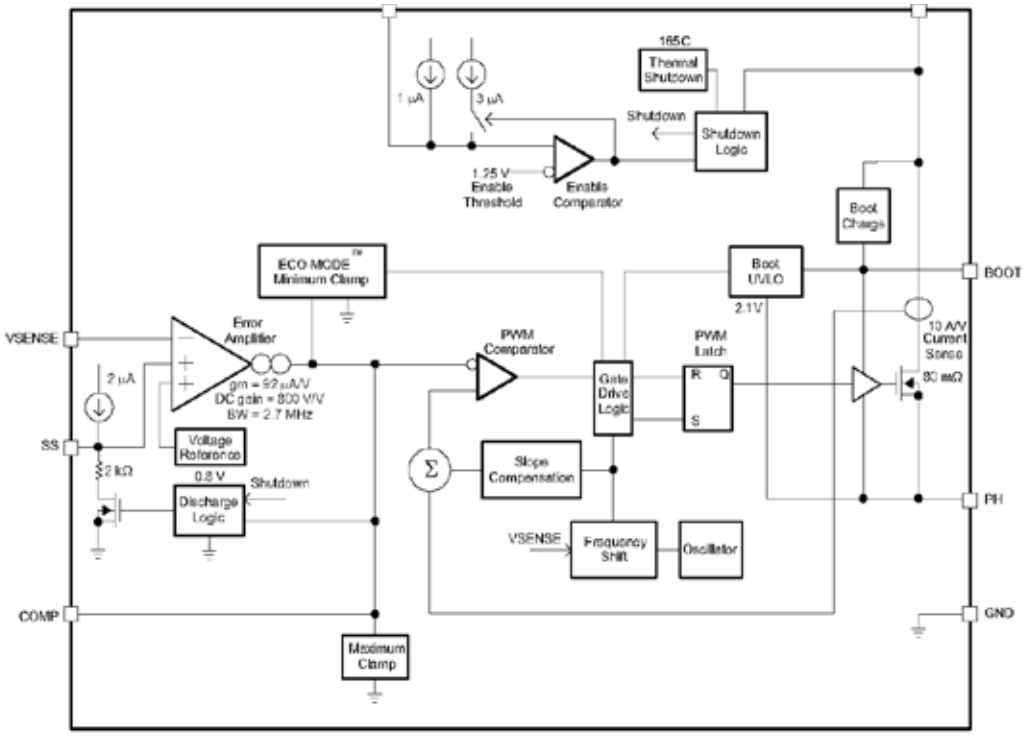
OPIN NO. , PIN NAME

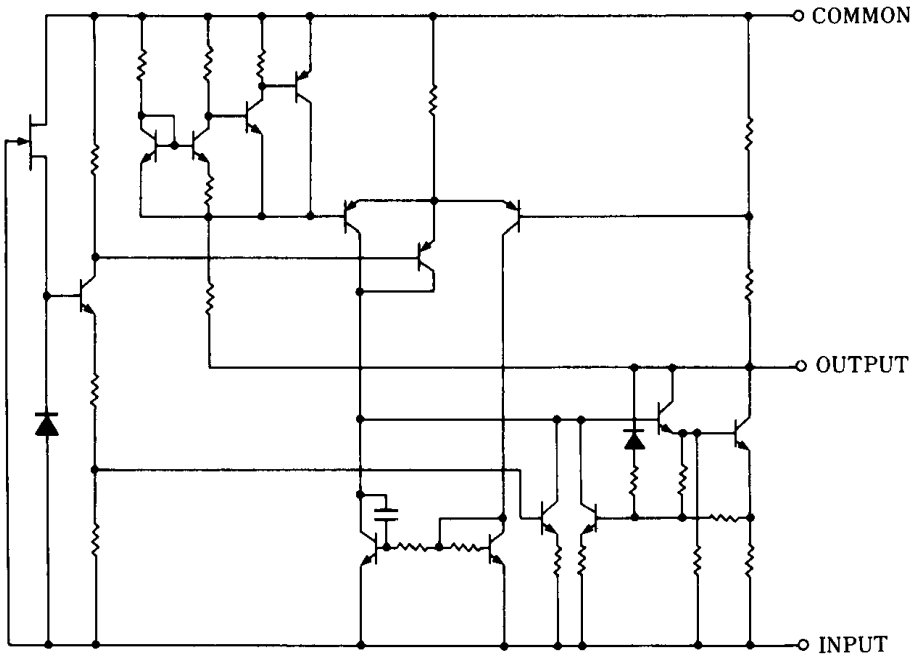
Pin Number	Pin Name
1	Vcc
2	N.C.
3	OUT
FIN	GND

417-EN2000-1039　IC(STM8S207MBT6B,LQFP-80)



417-PDJ33-1045 IC(SOP8,TPS54232)





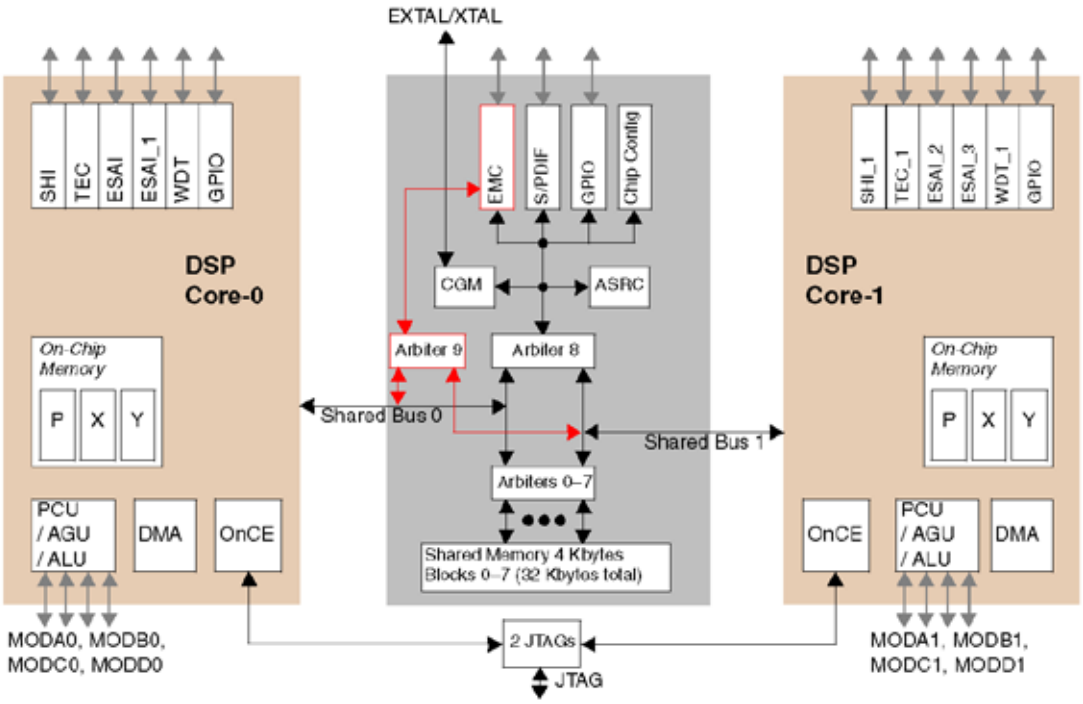


Figure 1. DSP56724 Block Diagram

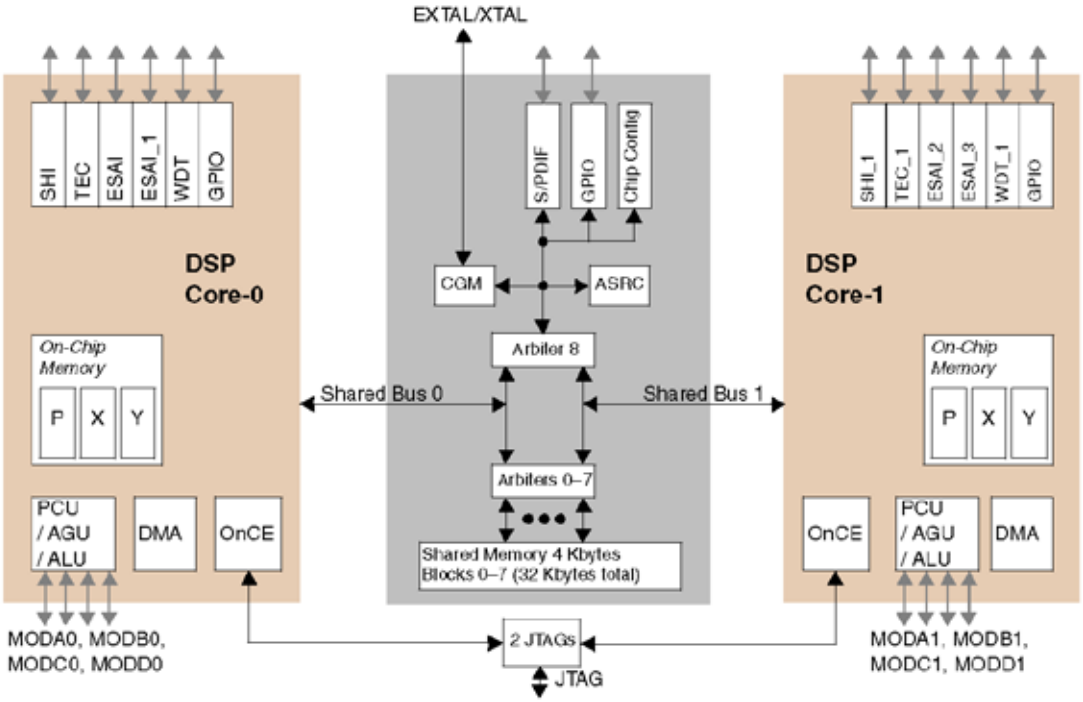
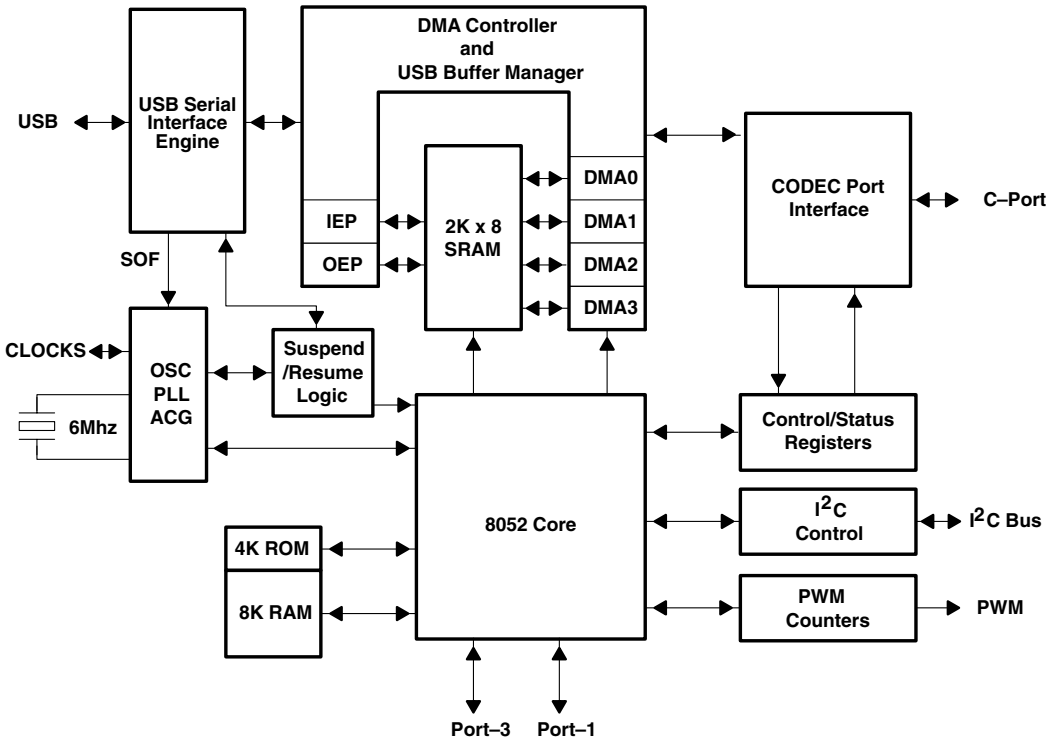


Figure 2. DSP56725 Block Diagram

Functional Block Diagram



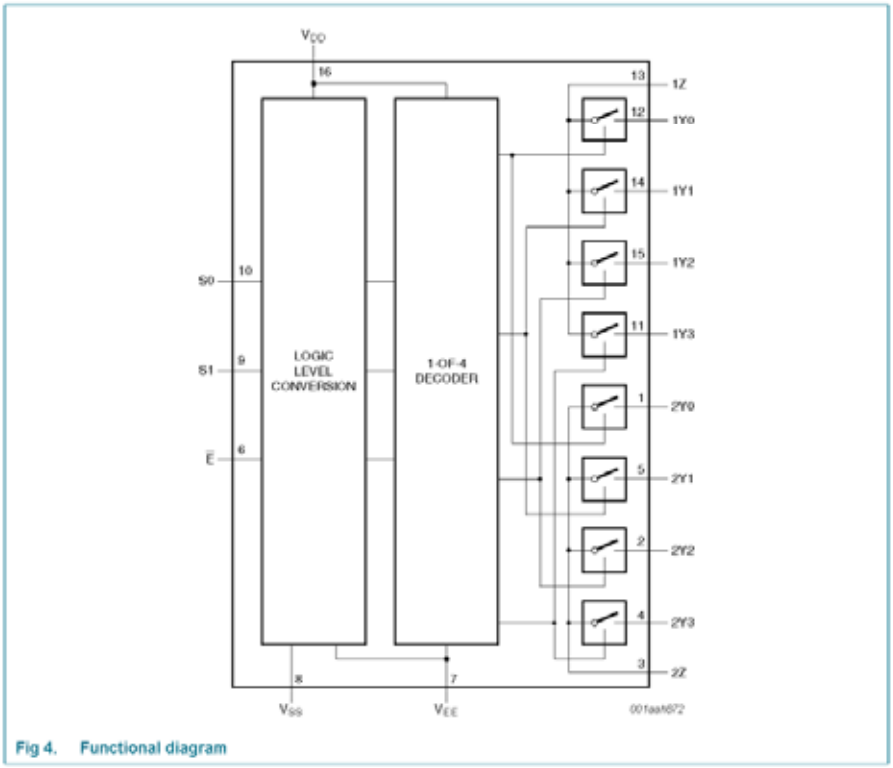
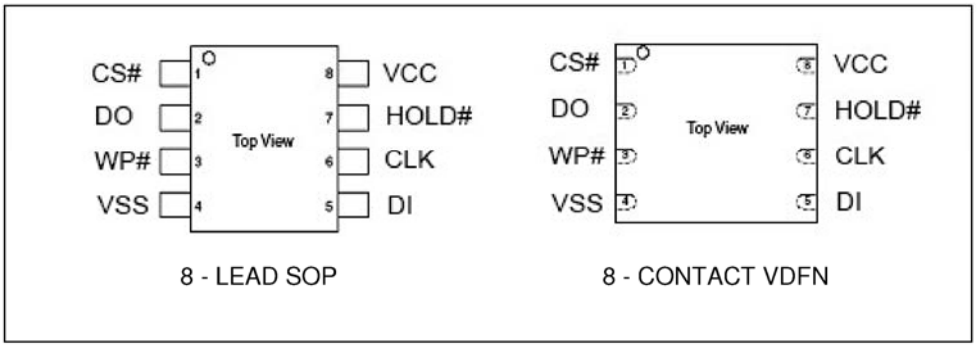


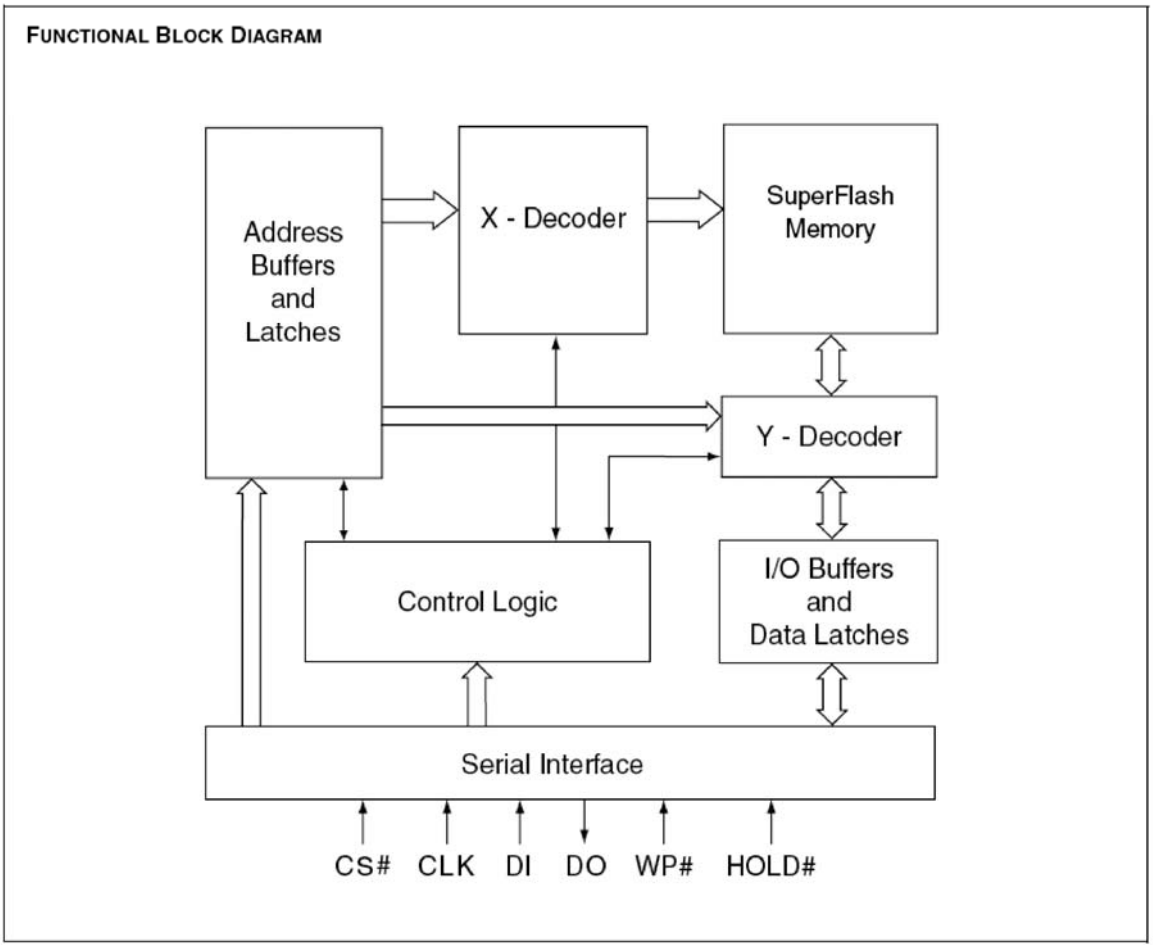
Fig 4. Functional diagram

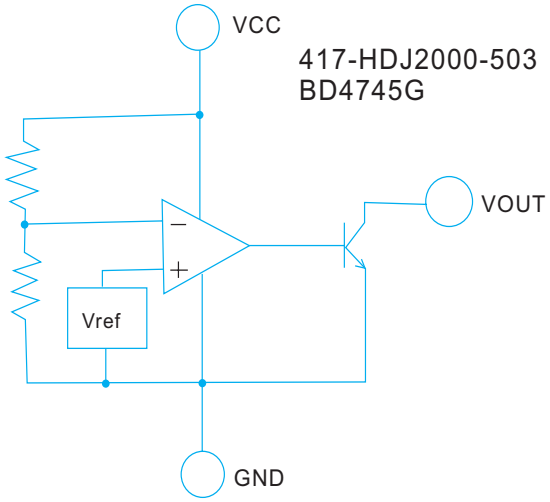
417-DDJLE-1084 IC(EN25F1-100GIPTR)

CONNECTION DIAGRAMS

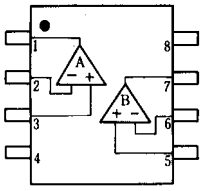


BLOCK DIAGRAM

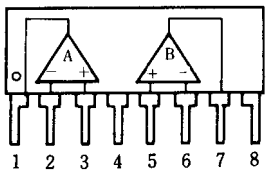




D，M，Vタイプ
（Top View）



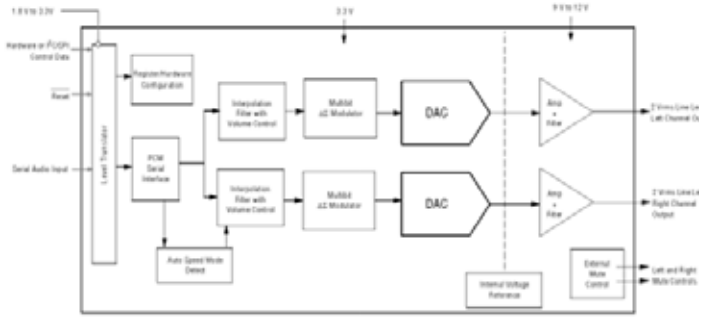
Lタイプ



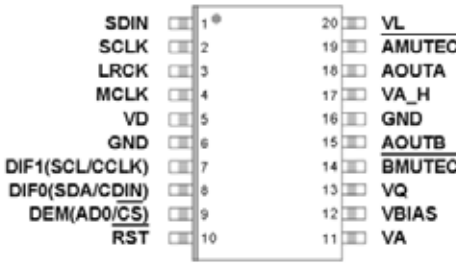
417-M5-582
NJM2068M

ピン配置
1．A OUTPUT
2．A−INPUT
3．A+INPUT
4．V^-
5．B+INPUT
6．B−INPUT
7．B OUTPUT
8．V^+

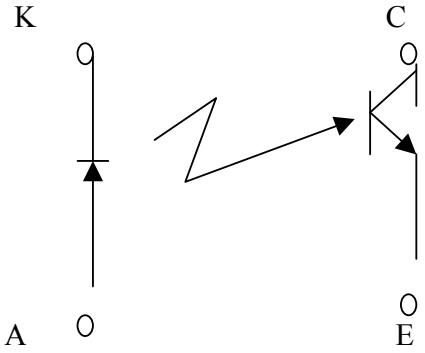
417-UDJ303-1099
IC(CS4351-CZZ/CZZR,TSSOP)



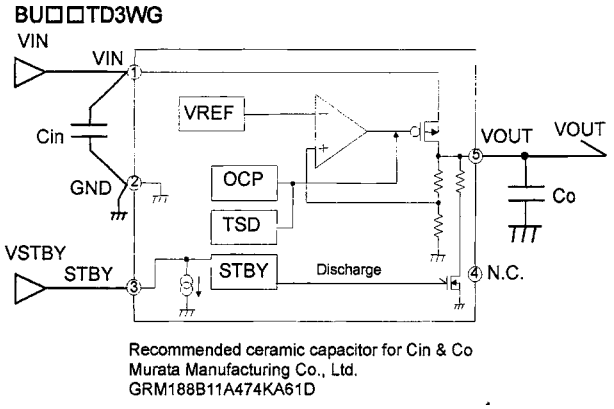
PIN DESCRIPTION



417-HDJ2000-411 SENSOR(LTH-301-07U)

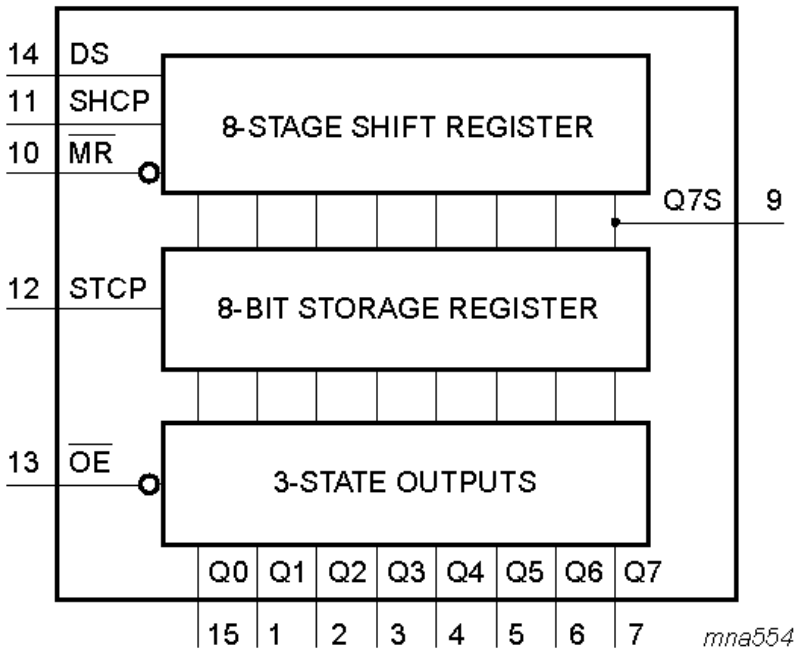


417-COMBO-1091　IC(BU33TD3WG-TR)



PIN No.	Symbol	Function
1	VIN	Power input
2	GND	Grounding
3	STBY	ON/OFF control of output voltage (High: ON, Low: OFF)
4	N.C.	NO CONNECT
5	VOUT	Voltage output

417-6K2-1141　IC(74HCT595)



u-Pro Port List (Pin Function)

MCU port List

Pin number	Pin Name	Type	Input/Output	Main Function
1	NRST	I/O	Input	Reset
2	PA1/OCSIN	I/O	Input	Crystal IN
3	PA2/OSCOUT	I/O	Output	Crystal OUT
4	VSSIO_1	S		I/O Ground
5	VSS	S		Digital Ground
6	VCAP	S		1.8V Regulator Capacitor
7	VDD	S		Digital Power Supply
8	VDDIO_1	S		I/O Power Supply
9	PA3/TIM2_CH3	I/O	Input	Right Wheel Phase B Encoder
10	PA4/UART1_RX	I/O	Input	Left Wheel Phase B Encoder
11	PA5/UART1_TX	I/O	Input	Right Wheel Phase A Encoder
12	PA6/UART1_CK	I/O	Input	Left Wheel Phase A Encoder
13	PH0	I/O	Input	DSP HREQ
14	PH1	I/O	Output	Phono1 Gain Switch
15	PH2	I/O	Output	Phono2 Gain Switch
16	PH3	I/O	Input	UMUTE
17	PF7/AIN15	I/O	Input	AD1
18	PF6/AIN14	I/O	Input	AD2
19	PF5/AIN13	I/O	Input	AD3
20	PF4/AIN12	I/O	Input	AD4
21	PF3/AIN11	I/O	Input	AD5
22	VREF+	S		ADC positive reference voltage
23	VDDA	S		Analog power supply
24	VSSA	S		Analog ground
25	VREF-	S		ADC negative reference voltage
26	PF0/AIN10	I/O	Input	AD6
27	PB7/AIN7	I/O	Input	AD7
28	PB6/AIN6	I/O	Input	AD8
29	PB5/AIN5	I/O	Input	AD9
30	PB4/AIN4	I/O	Input	AD10
31	PB3/AIN3	I/O	Input	AD11
32	PB2/AIN2	I/O	Input	AD12
33	PB1/AIN1	I/O	Input	AD13
34	PB0/AIN0	I/O	Input	AD14
35	PH4/TIM1_ETR	I/O	Output	SHCP
36	PH5/ TIM1_CH3N	I/O	Output	/INT
37	PH6/ TIM1_CH2N	I/O	Input	SPLIT
38	PH7/ TIM1_CH1N	I/O	Output	/URST

MCU port List

45	PC3/TIM1_CH3	I/O	Input	EN4
46	PC4/TIM1_CH4	I/O	Input	EN5
47	PC5/SPI_SCK	I/O	Output	SCK
48	VSSIO_2	S		I/O ground
49	VDDIO_2	S		I/O power supply
50	PC6/SPI_MOSI	I/O	Output	MOSI
51	PC7/SPI_MISO	I/O	Input	MISO
52	PG0/CAN_TX	I/O	Input	EN6
53	PG1/CAN_RX	I/O	Output	DS1
54	PG2	I/O	Output	STCP1
55	PG3	I/O	Output	/CS2
56	PG4	I/O	Output	SWB
57	PI0	I/O	Output	SWA
58	PI1	I/O	Input	LN3-SW
59	PI2	I/O	Input	LN4-SW
60	PI3	I/O	Input	KR1
61	PI4	I/O	Input	KR2
62	PI5	I/O	Input	KR3
63	PG5	I/O	Input	KR4
64	PG6	I/O	Input	KR5
65	PG7	I/O	Input	KR6
66	PE4	I/O	Input	KR7
67	PE3/TIM1_BKIN	I/O	Input	KR8
68	PE2/I2C_SDA	I/O	Input/Output	SDA
69	PE1/I2C_SCL	I/O	Input	SCL
70	PE0/CLK_CCO	I/O	Input	KR9
71	PI6	I/O	Output	KS1
72	PI7	I/O	Output	KS2
73	PD0/TIM3_CH2	I/O	Output	KS3
74	PD1/SWIM	I/O		SWIM data interface
75	PD2/TIM3_CH1	I/O	Output	KS4
76	PD3/TIM2_CH2	I/O	Output	KS5
77	PD4/TIM2_CH1/BI	I/O	Output	KS6
78	PD5/ UART3_TX	I/O	Output	KS7
79	PD6/UART3_RX	I/O	Output	KS8
80	PD7/TLI	I/O	Output	KS9

Personal notes:

CONRTOL 1 PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed below are only lumn Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D106,107	941209000470S	ESD DIODE(RSB6.8S 150mW.6.8V EMD2 ROHM)		414-DJ1100G-207	2		
	D108-152	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	45		
	D153-156	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	4	*	
	D157,158	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	2	*	
	D159-176	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	18	*	
	D177,178	941176100190P	LED(AMBER, ϕ3,TAPING)		410-6K2-436	2	*	
	D179,180	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	2	*	
	D181	nsp	TVS DIODE(SMAJ6.0A,400W,6.0V,DO-214AC)		414-UDJ200-284	1		
	D182-206	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	25		
	D207,208	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	2	*	
	D209,210	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	2	*	
	D211-216	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	6	*	
	D217,218	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	2	*	
	D219,220	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	2	*	
	D221-228	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	8	*	
	D229,230	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	2	*	
	D231-237	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	7	*	
	D238	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D238	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D239	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D239	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D240	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	1	*	
	D241,242	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	2	*	
	D243	941176100190P	LED(AMBER, ϕ3,TAPING)		410-6K2-436	1	*	
	D244,245	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	2	*	
	D246	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D246	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D247	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D247	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D248-251	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	4	*	
	D252	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D252	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D253	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D253	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D254,255	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	2	*	
	D256,257	941176100190P	LED(AMBER, ϕ3,TAPING)		410-6K2-436	2	*	
	D258	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D258	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D259	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D259	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D260-262	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	3		
	D263-268	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	6	*	
	D269,270	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	2	*	
	D271,272	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	2	*	
	D273,274	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	2	*	
	D275-278	941176100170P	LED(RED,LTL1CHJEDNN-012A, ϕ3)		410-DJ5000-253T	4	*	
	D279	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D279	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D280	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D280	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D281	941176100180P	LED(YELLOW/GREEN, ϕ3,TAPING)		410-6K2-435	1	*	
	D282	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D282	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D283	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D283	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D284	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D284	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D285	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D285	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D286	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D286	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D287	941176100200P	LED(GEEN/ORANGE, ϕ3)		410-6K2-432	1	*	
	D287	nsp	LED HOLDER(LED3X-3A)		504-6K2-303	1	*	
	D288-308	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	21		
	IC100	941243101970P	CONTROL IC ASS'Y		704-6K2-A620	1	*	
		nsp	IC(STM8S207MBT6B,LQFP-80)		417-EN2000-1039	1	*	
	IC101,102	941236101640P	IC(74HCT595)		417-6K2-1141	2	*	
	IC103,104	941239004980P	IC(74HC4052D/74HC4052DT,SMD)		417-QSPAND-432	2		
	IC105	941248102450P	IC(EN25F1-100GIPTR)		417-DDJLE-1084	1	*	
	IC106	941243004220P	IC(PIC16F616-I/SL,SOIC-16)		417-RMP3-936	1		
	IC107	941236101640P	IC(74HCT595)		417-6K2-1141	1	*	
	IC108-110	941239004980P	IC(74HC4052D/74HC4052DT,SMD)		417-QSPAND-432	3		
	IC111	941243004220P	IC(PIC16F616-I/SL,SOIC-16)		417-RMP3-936	1		
	Q100	941214004530P	CHIP TRANSISTOR(2SD1757KT146R,SMT3)		416-MC6000-374	1		
	Q101-107	941212004520P	CHIP TRANSISTOR(2SB1424T100R)		416-MC6000-375	7		
	Q108-120	941214004530P	CHIP TRANSISTOR(2SD1757KT146R,SMT3)		416-MC6000-374	13		
	ZD100-103	nsp	ESD DIODE(EDZCTE61 6.8B,150MW/6.93V,EMD2		414-RMP3-285	4		
	RESISTOR GROUP							
	R100,101	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	2		
	R102,103	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	2		
	R104-108	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	5		
	R109	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	1		
	R110-112	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	3		
	R113-117	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	5		
	R118-127	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	10		
	R128	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R129	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R130-133	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	4		
	R134	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	1		
	R135-141	nsp	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)		412-900-1060	7		
	R142,143	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	2		
	R144	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	1		
	R145	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R146	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	1		
	R147-150	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	4		
	R151	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R152	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	1		
	R153-156	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	4		
	R157	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R158	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	1		
	R159-162	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	4		
	R163	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R164	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	1		
	R165-168	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	4		
	R169	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R170	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	1		
	R171-174	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	4		
	R175	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R176	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	1		
	R177-180	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	4		
	R181	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R182	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R183	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	1		
	R184	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R185	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	1		
	R186-188	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	3		
	R189-194	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	6		
	R195	nsp	CHIP RESISTOR(7.5K OHM,1/10W,J,TP 0603,50V)		412-G9900-1196	1		
	R196	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	1		
	R197	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	1		
	R198	nsp	CHIP RESISTOR(1M OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-546	1		
	R199	nsp	CHIP RESISTOR(0 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-552	1		
	R200-203	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	4		
	R204	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R205-208	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	4		
	R209	nsp	CHIP RESISTOR(0 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-552	1		
	R210	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	1		
	R211	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	1		
	R212	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R213	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R214	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	1		
	R215,216	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	2		
	R217	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V		412-900-977	1		
	R218	nsp	CHIP RRESISTOR(20K OHM,1/10W,0603,J,TP)		412-DCM280-726	1		
	R219	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	1		
	R220	nsp	CHIP RESISTOR(2.4Kohm,1/10W,J,TP 0603,50V)		412-MH2-1135	1		
	R221	nsp	CARBON FILM RESISTOR(1K OHM,1/4W,J,T-26)		412-3113-080	1		
	R222-224	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	3		
	R225-231	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	7		
	R232-237	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	6		
	R238,239	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V		412-900-983	2		
	R240-271	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	32		
	R272	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	1		
	R273,274	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R275	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	1		
	R276-282	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	7		
	R283,284	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	2		
	R285-287	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	3		
	R288	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R289	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	1		
	R290,291	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R292	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R293-295	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	3		
	R296,297	nsp	CHIP RESISTOR(7.5K OHM,1/10W,J,TP 0603,50V)		412-G9900-1196	2		
	R298,299	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	2		
	R300	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R301	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	1		
	R302	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V		412-900-977	1		
	R303	nsp	CHIP RESISTOR(7.5K OHM,1/10W,J,TP 0603,50V)		412-G9900-1196	1		
	R304	nsp	CHIP RRESISTOR(20K OHM,1/10W,0603,J,TP)		412-DCM280-726	1		
	R305-308	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	4		
	R309	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	1		
	R310	nsp	CHIP RESISTOR(2.4Kohm,1/10W,J,TP 0603,50V)		412-MH2-1135	1		
	R311	nsp	CARBON FILM RESISTOR(1K OHM,1/4W,J,T-26)		412-3113-080	1		
	R312	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R313-318	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	6		
	R319-324	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	6		
	R325,326	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V		412-900-983	2		
	R327-344	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	18		
	R345	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	1		
	R346	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	1		
	R347-349	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	3		
	R350,351	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R352-356	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	5		
	R357	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	1		
	R358,359	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R360-362	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	3		
	R363,364	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R365	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	1		
	R366	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	1		
	R367,368	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	2		
	R369,370	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R371	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R372	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	1		
	R373-375	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	3		
	R376-378	nsp	CHIP RESISTOR(120OHM,1/10W,J,TP 0603,50V		412-007USB-781	3		
	VR100,101	941671100490P	ROTARY VR(20KB,L=16)		418-6K2-720	2	*	
	VR102	941671004550P	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)		418-K1000-413	1		
	VR103,104	941671004600P	ROTARY VR(RD901F-40-20FP-B20K-0CDJ8,L=20)		418-MC6000-639	2		
	VR105	941671004560P	VR(RD901F-40-20F-B20K-0CD)		418-SDJ2-439	1		
	VR106	941671004550P	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)		418-K1000-413	1		
	VR107,108	941671004600P	ROTARY VR(RD901F-40-20FP-B20K-0CDJ8,L=20)		418-MC6000-639	2		
	VR109-111	941671004550P	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)		418-K1000-413	3		
	VR112,113	941671004600P	ROTARY VR(RD901F-40-20FP-B20K-0CDJ8,L=20)		418-MC6000-639	2		
	VR114	941671004550P	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)		418-K1000-413	1		
	VR115-117	941671004560P	VR(RD901F-40-20F-B20K-0CD)		418-SDJ2-439	3		
	VR118,119	941671004600P	ROTARY VR(RD901F-40-20FP-B20K-0CDJ8,L=20)		418-MC6000-639	2		
	VR120-123	941671004550P	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)		418-K1000-413	4		
	VR125,126	941671004610P	ROTARY VR(20KB,RD901F-40-20FP-B20K-00DJ8)		418-MC6000-638	2		
	VR127,128	941671100500P	ROTARY VR(10KC)		418-6K2-716	2	*	
	CAPACIITORS GROUP							
	C100-108	nsp	CHIP CAPACITOR(2200pF/50V,J,0603 TAP,X7R)		413-007USB-788	9		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C109-111	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO		413-DCM280-889	3		
	C112	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C113-127	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO		413-DCM280-889	15		
	C128	941134001550S	ELEC. CAPACITOR(10uF/16V,M,105℃,TAPING)		413-DV300-5155	1		
	C129	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C131	00D9587054907	ELEC. CAPACITOR(100uF/10V,M,105℃,TAPING)		413-HMA2200-5017	1		
	C139	nsp	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)		413-007USB-797	1		
	C140	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C141	nsp	CHIP CAPACITOR(12pF,50V,J,0603 TAP,NPO)		413-DCM280-809	1		
	C142	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C143	nsp	CHIP CAPACITOR(12pF,50V,J,0603 TAP,NPO)		413-DCM280-809	1		
	C144	00D9587054907	ELEC. CAPACITOR(100uF/10V,M,105℃,TAPING)		413-HMA2200-5017	1		
	C145	941135500070P	TANTALUM CAPACITOR(0.68uF/50V,K,TAPING)		413-MAIE-1211	1		
	C146	nsp	CHIP CAPACITOR(0.47uF/50V Y5V/0603 Z TAP)		413-CDVD2001-751	1		
	C147-150	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO		413-DCM280-889	4		
	C151	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C152	00D9587054907	ELEC. CAPACITOR(100uF/10V,M,105℃,TAPING		413-HMA2200-5017	1		
	C153,154	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C155	nsp	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)		413-007USB-797	1		
	C156,157	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO		413-DCM280-889	2		
	C158	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C159	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	1		
	C160-163	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	4		
	C164-166	nsp	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)		413-007USB-797	3		
	C167	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C168	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	1		
	C169	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C170-176	nsp	CHIP CAPACITOR(1800pF/50V,J,0603 TAP,NPO)		413-1400DSP-1028	7		
	C177-190	nsp	CHIP CAPACITOR(3300pF/50V,K,0603 TAP,X7R)		413-DCM280-770	14		
	C191-196	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	6		
	OTHER PARTS GROUP							
	CN100TOCB2\\CN100	941644101890P	32P 1.0 FFC SOCKET		404-6K2-3827	1	*	
	CN102TOMAIN\\PCBCN102	941644101900P	24P 1.0 FFC SOCKET(SMD90°)		404-RECYCLE-3555	1	*	
	CN104TOFRONT\\PCBCN104	941644101430P	14P 1.0 FFC SOCKET(1.0D-14PBS)		404-3000-3620	1		
	CN105TOIOPC\B\W105	941644101910P	10P 1.0 FFC SOCKET(1.0D-10PBS,90°)		404-PDJ22-3567	1	*	
	EARTH1,2	941602100350P	1P GROUNG WIRE(L=55mm)		406-6K2-1275	2	*	
	J101,102	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	2		
	L100	nsp	POWER CHOKE(22uH,1.11A)		415-MC6000-356	1		
	L101	nsp	INDUCTOR(10uH T-26mm)		415-MPG100-047	1		
	L102,103	nsp	INDUCTANCE(100uH J 0707-444-W077)		415-HT8015-040	2		
	SW100-102	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	3		
	SW103,104	941662100200P	TACT SW		403-6K2-442	2	*	
	SW105	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	1		
	SW106	941662100200P	TACT SW		403-6K2-442	1	*	
	SW107-125	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	19		
	SW126	941662100200P	TACT SW		403-6K2-442	1	*	
	SW127-133	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	7		
	SW134	941662100200P	TACT SW		403-6K2-442	1	*	
	SW135-137	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	3		
	SW138	941662100200P	TACT SW		403-6K2-442	1	*	
	SW139-144	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	6		
	SW145	941663004650P	SW(SR1712F-0104-20F0A-N9-N,SR1712F)		403-IQ2-339	1		
	SW146	90M-SR000310R	ROTARY SWITCH(SR1712F-0102-20F0A-N9-N)		403-8001-261	1		
	SW147	941662100200P	TACT SW		403-6K2-442	1	*	
	SW148,149	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	2		
	SW150	941667100150P	ENCODER(L=20)		403-6K2-438	1	*	
	SW151-153	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	3		
	SW154	941667100150P	ENCODER(L=20)		403-6K2-438	1	*	
	SW155,156	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	2		
	SW157	941662100200P	TACT SW		403-6K2-442	1	*	
	SW158	941667100150P	ENCODER(L=20)		403-6K2-438	1	*	
	SW159-163	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	5		
	SW164	941662100200P	TACT SW		403-6K2-442	1	*	
	SW165,166	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	2		
	SW167	941662100200P	TACT SW		403-6K2-442	1	*	
	SW168-170	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	3		
	SW171	941663004650P	SW(SR1712F-0104-20F0A-N9-N,SR1712F)		403-IQ2-339	1		
	SW172	941663004660P	ROTARY SWITCH(SR1712F-0102-20F0A-N9-N)		403-8001-261	1		
	SW173	941663004640P	SW(SR1712F-0105-20F0A-N9-N,L=20)		403-MC6000-386	1		
	SW174	941664004680P	SLIDE SW(SSH-13D03-G12-NS)		403-MC6000-391	1		
	W101TOIOPC\B\CN101	nsp	4P 2.5 CONNECTOR WIRE(L=70mm,+/+)		404-6K2-3829	1		
	W103TOCFPC\B\CN103	nsp	3P 2.0CONNECTOR WIRE		404-6K2-3828	1		
	X100	941141101060P	CRYSTAL(HC-49S,24MHz,11.5*4.65MM)		427-S1-144	1	*	

CONRTOL 2 PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.
※The parts listed bolumn Remarks indicate the following destinations.
E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D400-411	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	12		
	D412,413	941176100170P	LED(RED,LTL1CHJEDNN-012A, § 3)		410-DJ5000-253T	2	*	
	D414,415	941176100190P	LED(AMBER, § 3,TAPING)		410-6K2-436	2	*	
	D416,417	941176100170P	LED(RED,LTL1CHJEDNN-012A, § 3)		410-DJ5000-253T	2	*	
	D418	941263004490P	LED (LTL-1CHY,YELLOW)		410-CD6000-123	1		
	D418	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D419,420	941176100180P	LED(YELLOW/GREEN, § 3,TAPING)		410-6K2-435	2	*	
	D421,422	941176100190P	LED(AMBER, § 3,TAPING)		410-6K2-436	2	*	
	D423,424	941176100170P	LED(RED,LTL1CHJEDNN-012A, § 3)		410-DJ5000-253T	2	*	
	D425	941263100550P	LED (GREEN)		410-CD6000-124A	1		
	D425	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D426,427	941176100170P	LED(RED,LTL1CHJEDNN-012A, § 3)		410-DJ5000-253T	2	*	
	D428,429	941176100180P	LED(YELLOW/GREEN, § 3,TAPING)		410-6K2-435	2	*	
	D430	941263004490P	LED (LTL-1CHY,YELLOW)		410-CD6000-123	1		
	D430	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D431	941263004490P	LED (LTL-1CHY,YELLOW)		410-CD6000-123	1		
	D431	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D432,433	nsp	SENSOR(LTH-301-07)		417-HDJ2000-411	2		
	D434	941263004490P	LED (LTL-1CHY,YELLOW)		410-CD6000-123	1		
	D434	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D435	941263004490P	LED (LTL-1CHY,YELLOW)		410-CD6000-123	1		
	D435	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D436	941263004490P	LED (LTL-1CHY,YELLOW)		410-CD6000-123	1		
	D436	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D437	941263100550P	LED (GREEN)		410-CD6000-124A	1		
	D437	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D438	941263100550P	LED (GREEN)		410-CD6000-124A	1		
	D438	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D439	941263100550P	LED (GREEN)		410-CD6000-124A	1		
	D439	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D440	941263100530P	LED (6224-10ID-A,RED)		410-CD6000-122A	1		
	D440	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D441	941263100550P	LED (GREEN)		410-CD6000-124A	1		
	D441	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D442	941263100550P	LED (GREEN)		410-CD6000-124A	1		
	D442	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D443,444	nsp	SENSOR(LTH-301-07)		417-HDJ2000-411	2		
	D445	941263100530P	LED (6224-10ID-A,RED)		410-CD6000-122A	1		
	D445	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)		504-HDJ2000-097	1		
	D449-456	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	8		
	IC401	941236101640P	IC(74HCT595)		417-6K2-1141	1		
	IC402	941239004980P	IC(74HC4052D/74HC4052DT,SMD)		417-QSPAND-432	1		
	IC403	941236101650P	IC(74HC14 SOP14 ST PB FREE)		417-CDN34-274	1	*	
	Q403-405	941214004530P	CHIP TRANSISTOR(2SD1757KT146R,SMT3)		416-MC6000-374	3		
	Q406,407	941213500220P	TRANSISTOR(TR DTC124EKAT146 SMT3)		416-CDN88-044	2		
	Q408-410	941214004530P	CHIP TRANSISTOR(2SD1757KT146R,SMT3)		416-MC6000-374	3		
	Q411,412	941213500220P	TRANSISTOR(TR DTC124EKAT146 SMT3)		416-CDN88-044	2		
	Q413,414	941214004530P	CHIP TRANSISTOR(2SD1757KT146R,SMT3)		416-MC6000-374	2		
	RESISTOR GROUP							
	R400	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R412,413	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP 50V)		412-CDVD2001-521	2		
	R415,416	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	2		
	R417-419	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	3		
	R420-422	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	3		
	R424	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	1		
	R425	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R426,427	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R428	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R429,430	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R431	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R432,433	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R434	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R435-437	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	3		
	R438	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R439,440	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	2		
	R441	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V)		412-810-966	1		
	R442	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	1		
	R443,444	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP 50V)		412-CDVD2001-521	2		
	R445	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	1		
	R446	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP)		412-007USB-704	1		
	R447	nsp	CHIP RESISTOR(270 OHM,1/10W,0603,J,TP)		412-007USB-698	1		
	R448	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP)		412-007USB-704	1		
	R449	nsp	CHIP RESISTOR(270 OHM,1/10W,0603,J,TP)		412-007USB-698	1		
	R450-452	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	3		
	R453-456	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	4		
	R458-461	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	4		
	R462-465	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	4		
	R466	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R467-469	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	3		
	R470,471	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	2		
	R472	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP)		412-007USB-704	1		
	R473	nsp	CHIP RESISTOR(270 OHM,1/10W,0603,J,TP)		412-007USB-698	1		
	R474	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP)		412-007USB-704	1		
	R475	nsp	CHIP RESISTOR(270 OHM,1/10W,0603,J,TP)		412-007USB-698	1		
	R476,477	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	2		
	R478	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R479	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V		412-I1-1252	1		
	CAPACIITORS GROUP							

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C400	941134001550S	ELEC. CAPACITOR(10uF/16V,M,105℃,TAPING		413-DV300-5155	1		
	C405	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C407,408	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C409-411	941134001550S	ELEC. CAPACITOR(10uF/16V,M,105℃,TAPING		413-DV300-5155	3		
	C412	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C413,414	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R		413-DCM280-768	2		
	C415,416	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO		413-DCM280-889	2		
	C420-427	nsp	CHIP CAPACITOR(3300pF/50V,K,0603 TAP,X7R		413-DCM280-770	8		
	VR400-403	941674100120P	SLIDE VR(20KB,RF45112G400F-HF)		418-6K2-717	4	*	
	OTHER PARTS GROUP							
	CN100	941644101890P	32P 1.0 FFC SOCKET		404-6K2-3827	1	*	
	J402-411	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	10		
	J415,416	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	2		
	J418	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	1		
	J422	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	1		
	J427-430	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	4		
	J445,446	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	2		
	J448	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	1		
	J454	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	1		
	J456	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	1		
	J480-484	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	5		
	J495-500	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	6		
	J504	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	1		
	J510,511	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	2		
	J513-515	nsp	CHIP RESISTOR(0 OHM,1/4W,J,1206,200V)		412-DJ3000-414	3		
	P400,401	941674004620P	SLIDE VR(RF60112L4103,10K(2BM)*2,L=23)		418-MC6000-636	2		
	SW400-402	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	3		
	SW403-405	941662100200P	TACT SW		403-6K2-442	3	*	
	SW406-409	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	4		
	SW410	941662100200P	TACT SW		403-6K2-442	1	*	
	SW411	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	1		

MAIN PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed belcolumn Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D1,2	941204500330P	DIODE(SM5819A,1A,40V,DO-214AC)		414-007USB-148	2	*	
	D427	nsp	FIXED PLATE		300-4500-2010A	1		
	D427	nsp	FIXED PLATE		300-4500-2010A	1		
	D900	941204500340P	SCHOTTKY BARRIER DIODE(SM5817A)		414-COMBO-355	1	*	
	D901-904	941209000470S	ESD DIODE(RSB6.8S 150mW.6.8V EMD2 ROHM)		414-DJ1100G-207	4		
	D905-907	nsp	TVS DIODE(SMAJ6.0A,400W,6.0V,DO-214AC)		414-UDJ200-284	3		
	IC1,2	941239100890P	IC(SOP8,TPS54232)		417-PDJ33-1045	2		
	IC900	941231004770P	IC(BD12KA5FP,TO252-3)		417-IQ2UM-1004	1		
	IC901	941239004760P	IC(TUSB3200ACPAH,PQFP52,)		417-DAIA-711	1		
	IC902	941245004440P	IC(DSP56724,LQFP-44)		417-IQ2UM-941	1		
	Q1	941211500250P	CHIP TRANSISTOR(PMN3603)		416-6K2-401	1	*	
	Q900	941216004830P	CHIP TRANSISTOR(DTC124TKA)		416-DFX1-201	1		
	ZD900	nsp	ESD DIODE(EDZCTE61 6.8B,150MW/6.93V,EMD2)		414-RMP3-285	1		
	RESISTOR GROUP							
	R1	nsp	CHIP RESISTOR(8.2K,1/10W,F,TP 0603,50V)		412-900-987	1		
	R2	nsp	CIHP RESISTOR(43KOHM,1/10W,F,TP 0603,50V		412-900-996	1		
	R3	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	1		
	R4	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R5	nsp	CHIP RESISTOR(68KΩ,1/10W,J,TP 0603,50V)		412-U5000-1140	1		
	R6	nsp	CHIP RESISTOR(1.5K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-550	1		
	R7	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	1		
	R8	nsp	CHIP RESISTOR(39K OHM,1/10W,0603,J,TP)		412-007USB-706	1		
	R900,901	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	2		
	R902	nsp	CHIP RESISTOR(7.5K OHM,1/10W,J,TP 0603,50V)		412-G9900-1196	1		
	R903	nsp	CHIP RESISTOR(1 OHM,1/10W,0603,J, TP ,50V)		412-007USB-695	1		
	R904	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	1		
	R905,906	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	2		
	R907,908	nsp	CHIP RESISTOR(1.5K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-550	2		
	R910	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R912	nsp	CHIP RESISTOR(3.09K OHM,1/10W,F,TP 0603)		412-PDJ1-1291	1		
	R914-916	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	3		
	R918	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R919	nsp	CHIP RESISTOR(820OHM,1/10W,J,TP 0603,50V		412-900-1010	1		
	R920-923	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	4		
	R924-927	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	4		
	R929,930	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	2		
	R936	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R938	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R941,942	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	2		
	R943,944	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	2		
	R945-948	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	4		
	R949,950	nsp	CHIP RESISTOR((47 OHM,1/10W,0603M,J,TP)		412-007USB-697	2		
	R951-953	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	3		
	R954	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP)		412-CDVD2001-521	1		
	R955-961	nsp	CHIP RESISTOR((47 OHM,1/10W,0603M,J,TP)		412-007USB-697	7		
	R962,963	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	2		
	R965	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R967	nsp	CHIP RESISTOR(1M OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-546	1		
	R969	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	1		
	R970,971	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	2		
	CAPACIITORS GROUP							
	C1	nsp	CHIP CAPACITOR(10uF/25V,1206 TAP,Y5V,Z)		413-MC6000-1180	1		
	C10	nsp	S.C. CHIP CAP(390pF,J,50V,NPO,TAPING,0603)		413-CR701-5175	1		
	C11,12	nsp	CHIP CAPACITOR(22uF/16V,Z,Y5V)		413-AMW4-1066	2		
	C13,14	nsp	CHIP CAPACITOR(33pF/50V,J,0603 TAP,NPO)		413-900-926	2		
	C15,16	nsp	CHIP CAPACITOR(22uF/16V,Z,Y5V)		413-AMW4-1066	2		
	C17	nsp	ELEC. CAPACITOR(330uF/10V,M,6.3*11,TAPING)		413-COMBO-1257	1		
	C18	nsp	ELEC. CAPACITOR(470uF/10V,M, 105℃,TAPING)		413-HT8015-169	1		
	C19	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C2	nsp	CHIP CAPACITOR(10uF/25V,1206 TAP,Y5V,Z)		413-MC6000-1180	1		
	C20	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C21	nsp	ELEC. CAPACITOR(2200uF/25V,M, 105℃,BULK)		413-HT8023K-188	1		
	C22	nsp	CHIP CAPACITOR(4.7uF/25V,1206 TAP,Y5V,Z)		413-MC6000-1179	1		
	C3,4	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C5,6	nsp	CHIP CAPACITOR(0.015uF/50V,M,0603 TAP,Y5V)		413-M207-1090	2		
	C7,8	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C9	nsp	S.C. CHIP CAP(390pF,J,50V,NPO,TAPING,0603)		413-CR701-5175	1		
	C900,901	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C902,903	00D9587032709	ELEC. CAPACITOR(220uF/10V,M,105℃,TAPING)		413-HT801K-192	2		
	C904-912	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	9		
	C913,914	nsp	CHIP CAPACITOR(10uF/10V,Z,1206 TAP,Y5V)		413-007USB-796	2		
	C915,916	nsp	CHIP CAPACITOR(33pF/50V,J,0603 TAP,NPO)		413-900-926	2		
	C917	nsp	CHIP CAPACITOR(100pF/50V,J,0603 TAP,NPO)		413-DCM280-767	1		
	C918	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	1		
	C919-940	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	22		
	C941,942	nsp	CHIP CAPACITOR(33pF/50V,J,0603 TAP,NPO)		413-900-926	2		
	C943,944	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)		413-DCM280-889	2		
	C949-951	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	3		
	OTHER PARTS GROUP							
	CN102TOCB1\\CN102	941644101900P	24P 1.0 FFC SOCKET(SMD90°)		404-RECYCLE-3555	1	*	
	CN1TOPCB\W\1	nsp	6P SOCKET(CKM2501WV-6P 180°WHITE)		404-HV3500K-630A	1		
	CN801TOIOPC\B\CN8	941644101920P	20P 1.0 FFC SOCKET(SMD90°)		404-DJM250-3613	1	*	
!	F1	941652500360P	CHIP FUSE(1A/32V,0603 TYPE,SMD)		422-HC1000-108	1	*	
!	F2	941652500370P	CHIP FUSE(1.5A,63V,1206 TYPE)		422-3BPM-069	1	*	
!	F3	941652004870P	CHIP FUSE(2.5A/63V,1206,SMD)		422-MC6000-110	1		
	JK1	941642002880S	DC POWER JACK(§2.5,DJ-0702B-025)		420-CDMIX1-078	1		
	JK900	nsp	GROUND PLATE		300-S1-2069	1		
	JK900	nsp	USB JACK(319BF0A0LBN,B/F 90)		420-S1-377	1		
	L1-5	nsp	BEAD CORE(A70512003, T-26mm)		415-HV3500K-090	5		
	L6,7	nsp	INDUCTANCE(15uH)		415-IM-302	2		
	L8	nsp	POWER CHOKE(22uH,1.11A)		415-MC6000-356	1		
	L900,901	nsp	POWER CHOKE(22uH,1.11A)		415-MC6000-356	2		
	L902	941119000490S	TDK COMMON MODE FILTERS(ACM2012-900-2P-T)		415-FU800-305	1		
	SW1	941661002570S	POWER SWICH(PSK 1-2B-0)		403-VP9812-162	1		
	SW900	941664005030P	SLIDE SW(SSSF113NA3-HF,L=6)		403-IM-314	1		
	X900	941141101070P	CRYSTAL(HC-49S,6MHz,11.5*4.65MM)		427-S1-143	1	*	

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	X901	941141101080P	CRYSTAL(HC-49S,24.576MHz,11.5*4.65MM)		427-S1-145	1	*	

IO PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.
※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.
E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D40,41	00D9410046804	DIODE(1N4002(GW)-TP/1N4002TA,1A/100V)		414-DV300-5014	2		
	D42	941202500790P	CHIP ZENER DIODE		414-DJM4000-331	1	*	
	D43	nsp	DIODE(1N5819(GW)/1N5819,TAPING 52mm)		414-DFX1-144	1		
	D44	nsp	CHIP DIODE(TFZ-8.2B,1/2W)		414-6K2-361	1		
	D46	nsp	CHIP DIODE(TFZ-6.2B,1/2W)		414-6K2-354	1		
	D47	nsp	DIODE(1N5819(GW)/1N5819,TAPING 52mm)		414-DFX1-144	1		
	D48,49	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	2		
	D50	941209000470S	ESD DIODE(RSB6.8S 150mW.6.8V EMD2 ROHM)		414-DJ1100G-207	1		
	D51-53	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	3		
	D500	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	1		
	D503	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	1		
	D514-529	nsp	SWITCHING DIODE(ISS355VM 1.7*1.25MM)		414-CD1000-075A	16		
	Q40	941211500280P	TRANSISTOR(NPN KTC3228Y TO-92L TP)		416-XM910-270	1	*	
	Q41	941212500200S	TRANSISTOR(2SA2127-AE)		416-UJ300KM-386	1		
	Q42,43	00D9410046309	TRANSISTOR(TR 2SA1037AKR SMT3)		416-CDN88-045	2		
	Q45	941213500220P	TRANSISTOR(TR DTC124EKAT146 SMT3)		416-CDN88-044	1		
	Q46	90M-HT400500R	TRANSISTOR(2SD1207T-AE)		416-1360S-016	1		
	Q500	00D9587057506	TRANSISTOR(DTA124EKA-T146,SMT3)		416-CTB200-178	1		
	Q501,502	941214500170P	TRANSISTOR(2SD2704KT146,SMT3)		416-3000-378	2		
	Q503	00D9587057506	TRANSISTOR(DTA124EKA-T146,SMT3)		416-CTB200-178	1		
	Q504,505	941214500170P	TRANSISTOR(2SD2704KT146,SMT3)		416-3000-378	2		
	Q506-509	941211500240P	CHIP TRANSISTOR(2SA1312BL)		416-6K2-409	4	*	
	Q512,513	941214500170P	TRANSISTOR(2SD2704KT146,SMT3)		416-3000-378	2		
	Q518-521	941214500170P	TRANSISTOR(2SD2704KT146,SMT3)		416-3000-378	4		
	Q526-529	941214500170P	TRANSISTOR(2SD2704KT146,SMT3)		416-3000-378	4		
	Q542,543	00D9587057409	CHIP TRANSISTOR(2SC2412KT146R)		416-CDN88-051	2		
	Q544,545	00D9410046309	TRANSISTOR(TR 2SA1037AKR SMT3)		416-CDN88-045	2		
	Q546,547	00D9580055107	TRANSISTOR(2SA1015-GR T-92 TAPING)		416-KE200X-021	2		
	Q548,549	00D9587057603	TRANSISTORS(2SC1815-GR-AP)		416-DJ1900-023	2		
	Q550-553	941214500170P	TRANSISTOR(2SD2704KT146,SMT3)		416-3000-378	4		
	U40	941231101720P	IC(BU33TD3WG-TR)		417-COMBO-1091	1	*	
	U42	00D9410045601	IC(BD4745G-TR,SMP5)		417-HDJ2000-503	1		
	U500-510	941232100430P	IC(NJM8080G)		417-6K2-1142	11	*	
	U512	941232100430P	IC(NJM8080G)		417-6K2-1142	1	*	
	U513,514	00D9587035803	IC(NJM-2068M-TE2,SOP8)		417-M5-582	2		
	U515	941232100430P	IC(NJM8080G)		417-6K2-1142	1	*	
	U516	941231101710P	IC(NJM79L09UA)		417-6K2-1154	1	*	
	U741	941239100890P	IC(SOP8,TPS54232)		417-PDJ33-1045	1		
	U750-752	941239101210P	IC(CS5341)		417-6K2-1143	3	*	
	U753,754	941239101060S	IC(PCM1803ADB,SSOP-20)		417-IQ2UM-940	2		
	U755,756	941239101230P	IC(CS4351-CZZ/CZZR,TSSOP)		417-UDJ303-1099	2	*	
	U758	941239100630P	IC(CD74HC4050M96,SOIC-16)		417-IQ2UM-970A	1		
	U759	941239101230P	IC(CS4351-CZZ/CZZR,TSSOP)		417-UDJ303-1099	1	*	
	RESISTOR GROUP							
	R40	nsp	CARBON FILM RESISTOR(1.5K OHM,1/4W,J,T-2		412-HT7016-229	1		
	R41,42	nsp	CARBON FILM RESISTOR(1.2K OHM,1/4W,J,T-5		412-HT8015-203	2		
	R43,44	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	2		
	R45	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP)		412-CD900-795	1		
	R47	nsp	CHIP RESISTOR(1.5K OHM,1/10W,B,TP 0603)		412-6000-1521	1		
	R48	nsp	CHIP RESISTOR(21K OHM,1/10W,F,TP 0603,50V)		412-COMBO-1566	1		
	R49	nsp	CHIP RESISTOR(6.8K,1/10W,J,0603,50V)		412-900-985	1		
	R50	nsp	CHIP RESISTOR(5.6K OHM,1/10W,0603,J,TP)		412-007USB-701	1		
	R51	nsp	CHIP RESISTOR(6.8K,1/10W,J,0603,50V)		412-900-985	1		
	R52	nsp	CHIP RESISTOR(0 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-552	1		
	R54	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V		412-900-977	1		
	R55	nsp	CHIP RESISTOR(2.2K OHM,1/10W,0603,J,TP)		412-007USB-693	1		
	R56	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	1		
	R57	nsp	CHIP RESISTOR(0 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-552	1		
	R58	nsp	CARBON FILM RESISTOR(390ohm,1W,J)		412-6K2-1669	1		
	R59	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	1		
	R60	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R61	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	1		
	R500,501	nsp	CHIP RESISTOR(7.5KOHM,D,TP 0603)		412-6K2-1662	2		
	R502,503	nsp	CHIP RESISTOR(1KOHM,D,TP 0603)		412-6K2-1661	2		
	R504,505	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	2		
	R506,507	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	2		
	R508	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R509	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V		412-900-977	1		
	R510,511	nsp	CHIP RESISTOR(1KOHM,D,TP 0603)		412-6K2-1661	2		
	R512,513	nsp	CHIP RESISTOR(270OHM,D,TP 0603)		412-6K2-1660	2		
	R514,515	nsp	CHIP RESISTOR(270KOHM,D,TP 0603)		412-6K2-1668	2		
	R516,517	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,D,TP)		412-500C-1559	2		
	R518,519	941129500890P	CHIP RESISTOR(33K OHM,1/10W,0.5%,TP 0603)		412-MC2-1551	2		
	R520,521	nsp	CHIP RESISTOR(4.7K OHM,1/10W,0.5%,TP 0603)		412-MC2-1547	2		
	R522,523	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,D,TP)		412-500C-1558	2		
	R524,525	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	2		
	R526,527	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	2		
	R528	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R529	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V		412-900-977	1		
	R530,531	nsp	CHIP RESISTOR(1KOHM,D,TP 0603)		412-6K2-1661	2		
	R532,533	nsp	CHIP RESISTOR(270OHM,D,TP 0603)		412-6K2-1660	2		
	R534,535	nsp	CHIP RESISTOR(270KOHM,D,TP 0603)		412-6K2-1668	2		
	R536,537	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,D,TP)		412-500C-1559	2		
	R538,539	941129500890P	CHIP RESISTOR(33K OHM,1/10W,0.5%,TP 0603)		412-MC2-1551	2		
	R540,541	nsp	CHIP RESISTOR(4.7K OHM,1/10W,0.5%,TP 0603)		412-MC2-1547	2		
	R542,543	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,D,TP)		412-500C-1558	2		
	R544,545	nsp	CHIP RESISTOR(7.5KOHM,D,TP 0603)		412-6K2-1662	2		
	R546,547	nsp	CHIP RESISTOR(1KOHM,D,TP 0603)		412-6K2-1661	2		
	R548	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R549,550	nsp	CHIP RESISTOR(10OHM,D,TP 0603)		412-6K2-1659	2		
	R551	nsp	CHIP RESISTOR(4.7K OHM,1/10W,0.5%,TP 0603)		412-MC2-1547	1		
	R552,553	nsp	CHIP RESISTOR(47K OHM,1/10W,D,TP 0603,50V)		412-500C-1557	2		
	R554	941129500870P	CHIP RESISTOR(24K OHM,1/10W,0.5%,TP 0603)		412-MC2-1549	1		
	R555	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,D,TP)		412-500C-1558	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R556	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,D,TP)		412-500C-1559	1		
	R557	941129500780P	CHIP RESISTOR(10K OHM,1/10W,0.5%,TP 0603)		412-MC2-1541	1		
	R558	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,D,TP)		412-500C-1559	1		
	R559	nsp	CHIP RESISTOR(30KOHM,D,TP 0603)		412-6K2-1663	1		
	R560,561	nsp	CHIP RESISTOR(7.5KOHM,D,TP 0603)		412-6K2-1662	2		
	R562,563	nsp	CHIP RESISTOR(1KOHM,D,TP 0603)		412-6K2-1661	2		
	R564	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,D,TP)		412-500C-1558	1		
	R565,566	nsp	CHIP RESISTOR(10OHM,D,TP 0603)		412-6K2-1659	2		
	R567	nsp	CHIP RESISTOR(4.7K OHM,1/10W,0.5%,TP 0603)		412-MC2-1547	1		
	R568,569	nsp	CHIP RESISTOR(47K OHM,1/10W,D,TP 0603,50V)		412-500C-1557	2		
	R570	941129500870P	CHIP RESISTOR(24K OHM,1/10W,0.5%,TP 0603)		412-MC2-1549	1		
	R571	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,D,TP)		412-500C-1558	1		
	R572	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,D,TP)		412-500C-1559	1		
	R573	941129500870P	CHIP RESISTOR(24K OHM,1/10W,0.5%,TP 0603)		412-MC2-1549	1		
	R574	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,D,TP)		412-500C-1559	1		
	R575	941129500780P	CHIP RESISTOR(10K OHM,1/10W,0.5%,TP 0603)		412-MC2-1541	1		
	R576	nsp	CHIP RESISTOR(30KOHM,D,TP 0603)		412-6K2-1663	1		
	R577,578	nsp	CHIP RESISTOR(7.5KOHM,D,TP 0603)		412-6K2-1662	2		
	R579,580	nsp	CHIP RESISTOR(1KOHM,D,TP 0603)		412-6K2-1661	2		
	R581	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,D,TP)		412-500C-1558	1		
	R582,583	nsp	CHIP RESISTOR(12K OHM,1/10W,0603,J,TP)		412-007USB-702	2		
	R584,585	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	2		
	R586,587	nsp	CHIP RESISTOR(39KOHM,D,TP 0603)		412-6K2-1667	2		
	R590,591	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	2		
	R592,593	nsp	CHIP RESISTOR(1.2K OHM,1/10W,0603,J,TP)		412-007USB-671	2		
	R594,595	nsp	CHIP RESISTOR(270 OHM,1/10W,0603,J,TP)		412-007USB-698	2		
	R598,599	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	2		
	R602,603	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	2		
	R604,605	nsp	CHIP RESISTOR(3.3KOHM,D,TP 0603)		412-6K2-1664	2		
	R606-609	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP)		412-007USB-704	4		
	R610	nsp	CHIP RESISTOR(130 OHM,1/10W,0603,J, TP)		412-DJM250-1488	1		
	R611,612	nsp	CHIP RESISTOR(1.2K OHM,1/10W,0603,J,TP)		412-007USB-671	2		
	R613	nsp	CHIP RESISTOR(130 OHM,1/10W,0603,J, TP)		412-DJM250-1488	1		
	R614,615	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	2		
	R616,617	nsp	CHIP RESISTOR(1.2K OHM,1/10W,0603,J,TP)		412-007USB-671	2		
	R618,619	nsp	CHIP RESISTOR(130 OHM,1/10W,0603,J, TP)		412-DJM250-1488	2		
	R620,621	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	2		
	R624	941129500870P	CHIP RESISTOR(24K OHM,1/10W,0.5%,TP 0603)		412-MC2-1549	1		
	R625,626	nsp	CHIP RESISTOR(12K OHM,1/10W,0603,J,TP)		412-007USB-702	2		
	R627,628	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP)		412-CDVD2001-523	2		
	R629,630	nsp	CHIP RESISTOR(39KOHM,D,TP 0603)		412-6K2-1667	2		
	R631,632	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	2		
	R633,634	nsp	CHIP RESISTOR(3.3KOHM,D,TP 0603)		412-6K2-1664	2		
	R635-638	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP)		412-007USB-704	4		
	R639-642	nsp	CHIP RESISTOR(1.2K OHM,1/10W,0603,J,TP)		412-007USB-671	4		
	R643-646	nsp	CHIP RESISTOR(130 OHM,1/10W,0603,J, TP)		412-DJM250-1488	4		
	R649-652	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	4		
	R671,672	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	2		
	R673,674	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	2		
	R675,676	nsp	CHIP RESISTOR(13KOHM,D,TP 0603)		412-6K2-1666	2		
	R677,678	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	2		
	R679-682	nsp	CHIP RESISTOR(2.2K OHM,1/10W,0603,J,TP)		412-007USB-693	4		
	R683,684	941652500380P	FUSE.RES(68 OHM,1/4W J RADIAL TAPING)		412-SX1800-895	2	*	
	R685-688	nsp	CARBON FILM RESISTOR(8.2 OHM,1/4W,J,T-52		412-PMSE1-281	4		
	R689,690	941652500380P	FUSE.RES(68 OHM,1/4W J RADIAL TAPING)		412-SX1800-895	2	*	
	R692,693	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP)		412-CDVD2001-532	2		
	R694-697	nsp	CHIP RESISTOR(1.2K OHM,1/10W,0603,J,TP)		412-007USB-671	4		
	R698-701	nsp	CARBON FILM RESISTOR(10 OHM,1/4W,J,T-52)		412-BJ2300I-468	4		
	R706-709	nsp	CHIP RESISTOR(100K OHM,1/10W,D,TP 0603,50V)		412-500C-1555	4		
	R712-715	nsp	CHIP RESISTOR(0 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-552	4		
	R718,719	nsp	CHIP RESISTOR(0 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-552	2		
	R730,731	nsp	CHIP RESITOR(3.9K OHM,1/10W,J,TP 0603,50V)		412-007USB-700	2		
	R732,733	nsp	CHIP RESISTOR(3.9KOHM,D,TP 0603)		412-6K2-1665	2		
	R734,735	nsp	CHIP RESISTOR(15K OHM,1/10W,0.5%,TP 0603)		412-MC2-1535	2		
	R736-739	nsp	CHIP RESISTOR(0 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-552	4		
	R750-755	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	6		
	R756	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R757	nsp	CHIP RESISTOR(470 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-545	1		
	R758,759	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	2		
	R760	nsp	CHIP RESISTOR(470 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-545	1		
	R761	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R762,763	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	2		
	R764	nsp	CHIP RESISTOR(470 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-545	1		
	R765	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R766,767	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	2		
	R768,769	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	2		
	R770	nsp	CHIP RESISTOR(470 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-545	1		
	R771	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R772	nsp	CHIP RESISTOR(470 OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-545	1		
	R773-775	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	3		
	R776-781	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	6		
	R784	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	1		
	R786,787	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	2		
	R788-790	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	3		
	R791	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	1		
	R792-794	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	3		
	R795	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	1		
	R800-802	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	3		
	R803	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	1		
	R804,805	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	2		
	R807	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V		412-810-966	1		
	R808	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R809	nsp	CHIP RESISTOR(560 OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-549	1		
	R810	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R811	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	1		
	R812	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R813	nsp	CHIP RESISTOR(270 OHM,1/10W,0603,J,TP)		412-007USB-698	1		
	R814	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	1		
	R815	nsp	CHIP RESISTOR(100 OHM,1/10W, 0603,J,TP)		412-CDVD2001-530	1		
	R816	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	1		
	R819-821	nsp	CHIP RESISTOR(10K OHM,1/10W,0603,J,TP)		412-CDVD2001-534	3		
	CAPACIITORS GROUP							

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C40,41	nsp	E/C(47uF/16V,M,105℃,TAPING,5*7,SS)		413-CDVD2001-265	2		
	C42-44	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	3		
	C45	nsp	CHIP CAPACITOR(0.47uF/50V Y5V/0603 Z TAP)		413-CDVD2001-751	1		
	C46,47	nsp	CHIP CAPACITOR(0.22uF/50V,Z,0603 TAP,Y5V)		413-900-942	2		
	C48,49	nsp	ELEC. CAPACITOR(100uF/25V,M,105℃,TAPING)		413-SPPW3-238	2		
	C50,51	nsp	ELEC. CAPACITOR(220uF/25V,M, 105℃,TAPING)		413-DV300-292	2		
	C52	nsp	CHIP CAPACITOR(4.7uF/16V,Z,1206 TAP,Y5V)		413-007USB-777	1		
	C53	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C54	nsp	CHIP CAPACITOR(0.015uF/50V,M,0603 TAP,Y5V)		413-M207-1090	1		
	C55	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C56	nsp	CHIP CAPACITOR(0.056uF,0603 TYPE)		413-6K2-1295	1		
	C57	nsp	CHIP CAPACITOR(10uF/25V,1206 TAP,Y5V,Z)		413-MC6000-1180	1		
	C58	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	1		
	C59	nsp	CHIP CAPACITOR(10uF/25V,1206 TAP,Y5V,Z)		413-MC6000-1180	1		
	C60	nsp	ELEC. CAPACITOR(330uF/16V,M, 105℃,TAPING)		413-HP1010K-200	1		
	C63	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)		413-DCM280-889	1		
	C64	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C65	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	1		
	C68	nsp	ELEC. CAPACITOR(1uF/50V,M,105℃,TAPING)		413-SPPW3-234	1		
	C69	nsp	CHIP CAPACITOR(0.047uF/50,Z,0603 TAP,Y5V)		413-DCM280-772	1		
	C71,72	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C73	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	1		
	C74	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	1		
	C76	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	1		
	C77,78	nsp	ELEC. CAPACITOR(100UF/25V,LOW ESR,6.3*11)		413-MC6000-1191	2		
	C500,501	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	2		
	C502,503	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	2		
	C504,505	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C506,507	nsp	CHIP CAPACITOR(1500pF/50V,K,0603 TAP,X7R)		413-DCM280-769	2		
	C508,509	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	2		
	C510,511	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	2		
	C512,513	00D9587032806	ELEC. CAPACITOR(100uF/16V,M,105℃,TAPING)		413-HT801K-193	2		
	C514,515	nsp	CHIP CAPACITOR(100pF/50V,J,0603 TAP,NPO)		413-DCM280-767	2		
	C516,517	nsp	CHIP CAPACITOR(220pF/50V,J,0603 TAP,NPO)		413-007USB-787	2		
	C518,519	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C520,521	nsp	POLYESTER CAPACITOR(0.012uF/50V,J,TAPING		413-3113-060	2		
	C522,523	nsp	POLYESTER CAPACITOR(0.0033uF/100V,J,TAPING)		413-KT300-103	2		
	C524,525	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C526,527	nsp	CHIP CAPACITOR(330pF/50V,J,0603 TAP,NPO)		413-900-925	2		
	C528,529	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	2		
	C530-533	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	4		
	C534,535	00D9587032806	ELEC. CAPACITOR(100uF/16V,M,105℃,TAPING)		413-HT801K-193	2		
	C536,537	nsp	CHIP CAPACITOR(100pF/50V,J,0603 TAP,NPO)		413-DCM280-767	2		
	C538,539	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C540,541	nsp	CHIP CAPACITOR(220pF/50V,J,0603 TAP,NPO)		413-007USB-787	2		
	C542,543	nsp	POLYESTER CAPACITOR(0.012uF/50V,J,TAPING		413-3113-060	2		
	C544,545	nsp	POLYESTER CAPACITOR(0.0033uF/100V,J,TAPING)		413-KT300-103	2		
	C546,547	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C548,549	nsp	CHIP CAPACITOR(330pF/50V,J,0603 TAP,NPO)		413-900-925	2		
	C550,551	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	2		
	C552-555	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	4		
	C556,557	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	2		
	C558,559	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C560,561	nsp	CHIP CAPACITOR(1500pF/50V,K,0603 TAP,X7R)		413-DCM280-769	2		
	C562,563	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	2		
	C564,565	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	2		
	C568,569	nsp	ELEC. CAPACITOR(47uF/50V,M,105℃,TAPING)		413-DV300-5143	2		
	C570,571	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	2		
	C572,573	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C574,575	nsp	CHIP CAPACITOR(10uF/25V,1206 TAP,Y5V,Z)		413-MC6000-1180	2		
	C576-578	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	3		
	C579,580	nsp	CHIP CAPACITOR(47pF/50V,J,0603 TAP,NPO)		413-007USB-784	2		
	C581	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C582	nsp	E.C. (1000uF/10V M 105℃,8*14)		413-HT8031-268	1		
	C583,584	nsp	ELEC. CAPACITOR(47uF/50V,M,105℃,TAPING)		413-DV300-5143	2		
	C585	nsp	CHIP CAPACITOR(1500pF/50V,K,0603 TAP,X7R)		413-DCM280-769	1		
	C586,587	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C588	nsp	CHIP CAPACITOR(1500pF/50V,K,0603 TAP,X7R)		413-DCM280-769	1		
	C589	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	1		
	C592,593	nsp	ELEC. CAPACITOR(47uF/50V,M,105℃,TAPING)		413-DV300-5143	2		
	C594,595	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	2		
	C598	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C599	nsp	E.C. (1000uF/10V M 105℃,8*14)		413-HT8031-268	1		
	C600,601	nsp	CHIP CAPACITOR(10uF/25V,1206 TAP,Y5V,Z)		413-MC6000-1180	2		
	C602-604	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	3		
	C605,606	nsp	CHIP CAPACITOR(47pF/50V,J,0603 TAP,NPO)		413-007USB-784	2		
	C607,608	nsp	ELEC. CAPACITOR(47uF/50V,M,105℃,TAPING)		413-DV300-5143	2		
	C609,610	nsp	CHIP CAPACITOR(1500pF/50V,K,0603 TAP,X7R)		413-DCM280-769	2		
	C611	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	1		
	C612,613	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	2		
	C614,615	nsp	ELEC. CAPACITOR(47uF/25V,M,105℃,TAPING)		413-SPPW3-237	2		
	C616,617	nsp	CHIP CAPACITOR(1500pF/50V,K,0603 TAP,X7R)		413-DCM280-769	2		
	C618,619	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	2		
	C620,621	nsp	CHIP CAPACITOR(120pF/50V,J,0603 TAP,NPO)		413-900-930	2		
	C622,623	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C626,627	nsp	ELEC. CAPACITOR(47uF/25V,M,105℃,TAPING)		413-SPPW3-237	2		
	C628,629	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	2		
	C632,633	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C634,635	nsp	CHIP CAPACITANCE(560pF/50V,J,NPO,0603 TAP)		413-TU3-1104	2		
	C636-639	nsp	ELEC. CAPACITOR(100UF/25V,LOW ESR,6.3*11)		413-MC6000-1191	4		
	C640-643	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	4		
	C644,645	nsp	ELEC. CAPACITOR(47uF/25V,M,105℃,TAPING)		413-SPPW3-237	2		
	C646,647	nsp	CHIP CAPACITOR(1500pF/50V,K,0603 TAP,X7R)		413-DCM280-769	2		
	C648,649	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	2		
	C650,651	nsp	CHIP CAPACITOR(120pF/50V,J,0603 TAP,NPO)		413-900-930	2		
	C652,653	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C656,657	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C658,659	nsp	CHIP CAPACITANCE(560pF/50V,J,NPO,0603 TAP)		413-TU3-1104	2		
	C660-663	nsp	ELEC. CAPACITOR(100UF/25V,LOW ESR,6.3*11)		413-MC6000-1191	4		
	C664-667	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	4		
	C682,683	nsp	ELEC. CAPACITOR(47uF/25V,M,105℃,TAPING)		413-SPPW3-237	2		
	C684,685	nsp	CHIP CAPACITOR(1200pF/50V,K,0603 TAPING)		413-ME2-1049	2		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	C686,687	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	2		
	C688,689	nsp	CHIP CAPACITOR(120pF/50V,J,0603 TAP,NPO)		413-900-930	2		
	C690,691	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C692-697	nsp	CHIP CAPACITOR(150pF/50V,J,0603 TAP,NPO)		413-900-931	6		
	C698-701	nsp	ELEC. CAPACITOR(100uF/25V,M,105℃,TAPING)		413-SPPW3-238	4		
	C702,703	nsp	ELEC. CAPACITOR(470uF/10V,M, 105℃,TAPING)		413-HT8015-169	2		
	C704-709	nsp	ELEC. CAPACITOR(220uF/25V,LOW ESR TYPE)		413-6K2-1296	6		
	C710,711	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	2		
	C712-717	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	6		
	C718,719	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TAP,NPO)		413-007USB-786	2		
	C721	nsp	CHIP CAPACITOR(0.015uF/50V,M,0603 TAP,Y5V)		413-M207-1090	1		
	C722	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C739	00D9587054907	ELEC. CAPACITOR(100uF/10V,M,105℃,TAPING)		413-HMA2200-5017	1		
	C750-752	00D9587054907	ELEC. CAPACITOR(100uF/10V,M,105℃,TAPING)		413-HMA2200-5017	3		
	C754-757	00D9587054907	ELEC. CAPACITOR(100uF/10V,M,105℃,TAPING)		413-HMA2200-5017	4		
	C758-760	nsp	CHIP CAPACITOR(1uF/16V,Z,0603 TAP,Y5V)		413-007USB-797	3		
	C761-771	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	11		
	C773	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)		413-DCM280-889	1		
	C774-784	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	11		
	C785-788	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	4		
	C789-801	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)		413-DCM280-889	13		
	C804,805	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)		413-DCM280-889	2		
	C806,807	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	2		
	C808	nsp	ELEC. CAPACITOR(47uF/25V,M,105℃,TAPING)		413-SPPW3-237	1		
	C809-815	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	7		
	C816	nsp	ELEC. CAPACITOR(47uF/25V,M,105℃,TAPING)		413-SPPW3-237	1		
	C817-819	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	3		
	C821	nsp	ELEC. CAPACITOR(47uF/25V,M,105℃,TAPING)		413-SPPW3-237	1		
	C823	nsp	ELEC. CAPACITOR(10uF/25V,M,105℃,TAPING)		413-SPPW3-235	1		
	C824-831	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	8		
	C834	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C837-839	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	3		
	C840-845	nsp	ELEC. CAPACITOR(3.3uF/50V,M,105℃,TAPING)		413-HPR1-821	6		
	C847	nsp	ELEC. CAPACITOR(3.3uF/50V,M,105℃,TAPING)		413-HPR1-821	1		
	C849	nsp	ELEC. CAPACITOR(3.3uF/50V,M,105℃,TAPING)		413-HPR1-821	1		
	C851	nsp	ELEC. CAPACITOR(3.3uF/50V,M,105℃,TAPING)		413-HPR1-821	1		
	C852,853	nsp	ELEC. CAPACITOR(10uF/35V,TL M 105℃ 5*11)		413-45X-1244	2		
	C855	nsp	ELEC. CAPACITOR(10uF/35V,TL M 105℃ 5*11)		413-45X-1244	1		
	C856	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	C859	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	1		
	C860	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)		413-DCM280-889	1		
	C861	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TAP,X7R)		413-DCM280-768	1		
	C862	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TAP,NPO)		413-DCM280-889	1		
	OTHER PARTS GROUP							
	B501	nsp	FIXED PLATE		300-4500-2010A	1		
	K500	nsp	GROUND PLATE		300-QFX19-811	1		
	K500	941643101350P	4P RCA JACK(RCA-413)		420-QMX1-094	1		
	K502	nsp	GROUND PLATE		300-SPIN2T-1748	1		
	K502	941643101380P	2P RCA JACK(RCA-213)		420-MX1000-172A	1		
	K503	nsp	GROUND PLATE		300-DJA-1702	1		
	K503	941644101790S	2P RCA JACK(RJ-1078-10-0300A)		420-RCC955A-073	1		
	K504,505	941643004890P	XLR JACK(94M008P2-G-H,4P)		420-MC6000-353	2		
	K506	nsp	GROUND PLATE		300-SPIN2T-1748	1		
	K506	941643101380P	2P RCA JACK(RCA-213)		420-MX1000-172A	1		
	K507	941643004920P	MIC JACK(03M8007P-H)		420-MH2-223	1		
	K509	941445005000P	JACK GROUND PLATE		300-300-1171	1		
	K509	941643101370P	3P PHONE JACK(6.4,JY-6313-02-030)		420-HMJ1001-5034	1		
	K510	941445005000P	JACK GROUND PLATE		300-300-1171	1		
	K510	941643101370P	3P PHONE JACK(6.4,JY-6313-02-030)		420-HMJ1001-5034	1		
	K511	941445005000P	JACK GROUND PLATE		300-300-1171	1		
	K511	941643101370P	3P PHONE JACK(6.4,JY-6313-02-030)		420-HMJ1001-5034	1		
	L40	nsp	INDUCTOR(220OHM,100MHZ,N2012ZP221T20)		415-4003-343	1		
	L41-43	nsp	BEAD CORE(A70512003, T-26mm)		415-HV3500K-090	3		
	L44	nsp	INDUCTANCE(15uH)		415-IM-302	1		
	L750-754	nsp	CHIP BEAD(FBMA-11-201209-121T,120Ω/100M)		415-IS201-382	5		
	L755	nsp	INDUCTOR(220OHM,100MHZ,N2012ZP221T20)		415-4003-343	1		
	L757-761	nsp	INDUCTOR(220OHM,100MHZ,N2012ZP221T20)		415-4003-343	5		
	L763	nsp	INDUCTOR(220OHM,100MHZ,N2012ZP221T20)		415-4003-343	1		
	L764	nsp	CHIP BEAD(FBMA-11-160808-121A10T,120Ω/100MHz)		415-COMBO-418	1		
	L776	nsp	INDUCTOR(220OHM,100MHZ,N2012ZP221T20)		415-4003-343	1		
	N105	941644101920P	20P 1.0 FFC SOCKET		404-DJM250-3613	1	*	
	N1TOCB1PCB\\W1	941644000540S	4P SOCKET(CKM2501WV-4P 180°WHITE)		404-HV3500K-629A	1		
	N380TOFRONT\\P0	nsp	4P SOCKET(CKM2501WR-4P 90°WHITE)		404-QMX2-606A	1		
	N801	941644101910P	10P 1.0 FFC SOCKET(1.0D-10PBS,90°)		404-PDJ22-3567	1	*	
	N802TOMAIN\\PCB	nsp	6P CONNECTOR WIRE(L=140mm,UL2468#26)		404-M5-1507	1		
	S500-502	00D9587015409	SLIDE SW(SSSF122NA1-HF,6PIN)		403-QMX1-060	3		

FRONT PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.
※The parts listed bolumn Remarks indicate the following destinations.
E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	IC380,381	941239004980P	IC(74HC4052D/74HC4052DT,SMD)		417-QSPAND-432	2		
	RESISTOR GROUP							
	R380	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V)		412-810-966	1		
	R381-384	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	4		
	R385,386	nsp	CHIP RESISTOR(7.5K OHM,1/10W,J,TP 0603)		412-G9900-1196	2		
	R387	nsp	CHIP RESISTOR(10 OHM,1/10W,J,TP 0603,50V)		412-810-966	1		
	R388,389	nsp	CHIP RESISTOR(7.5K OHM,1/10W,J,TP 0603)		412-G9900-1196	2		
	R390-393	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	4		
	R394	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP)		412-CDVD2001-537	1		
	R395-398	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP)		412-007USB-699	4		
	VR380	nsp	VR FIXED PLATE		300-6000-1874	1		
	VR380	941671005040P	ROTARY VR(RD901F-20B3-20F-B20K-00D17A)		418-MC6000-634	1		
	VR381	nsp	VR FIXED PLATE		300-6000-1874	1		
	VR381	941671005050P	ROTARY V(RD901F-20B3-20F-B20K-0CD16A)		418-MC6000-635	1		
	VR382-385	941671100520P	ROTARY VR(20KB,RD901F-20-13F-B20K-0CD38A)		418-6K2-719	4	*	
	VR386	941671100510P	ROTARY VR(20KB,RD901F-20-13F-B20K-00D38A)		418-6K2-718	1	*	
	VR389,390	941671100520P	ROTARY VR(20KB,RD901F-20-13F-B20K-0CD38A)		418-6K2-719	2	*	
	VR391	941671100510P	ROTARY VR(20KB,RD901F-20-13F-B20K-00D38A)		418-6K2-718	1	*	
	CAPACIITORS GROUP							
	C380,381	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C382,383	nsp	CHIP CAPACITOR(330pF/50V,J,0603 TAP,NPO)		413-900-925	2		
	C384,385	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	2		
	C386,387	941134001550S	ELEC. CAPACITOR(10uF/16V,M,105℃,TAPING)		413-DV300-5155	2		
	C390	nsp	CHIP CAPACITOR(0.1uF/50V,Z,0603 TAP,Y5V)		413-DCM280-773	1		
	OTHER PARTS GROUP							
	CN104	941644101430P	14P 1.0 FFC SOCKET(1.0D-14PBS)		404-3000-3620	1		
	JK380	941445005000P	JACK GROUND PLATE		300-300-1171	1		
	JK380	941643101370P	3P PHONE JACK(6.4,JY-6313-02-030)		420-HMJ1001-5034	1		
	L41	nsp	FIXED PLATE		300-4500-2010A	1		
	L41	nsp	FIXED PLATE		300-4500-2010A	1		
	SW380-383	941664005030P	SLIDE SW(SSSF113NA3-HF,L=6)		403-IM-314	4		
	SW384	00D9587015409	SLIDE SW(SSSF122NA1-HF,6PIN)		403-QMX1-060	1		
	W380	nsp	4P 2.5 CONNECTOR WIRE(L=100mm)		404-6K2-3826	1		
		nsp	BRACKET(L TYPE)		300-HDJ7000-472	1		
		nsp	SCREW(3*5 P=0.5)		602-B300-041	1		

CROSS FADER PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.
※The parts listed b olumn Remarks indicate the following destinations.
E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	RESISTOR GROUP							
	VR101	941674005060P	SLIDE VR(RA45D2F-211-17D1-0B20K-0025)		418-MC6000-644	1		
	OTHER PARTS GROUP							
	CN103	nsp	3P SOCKET(CKM2001WV-3P,180°WHTIE)		404-HP1010K-259A	1		

Exploded

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※The parts listed t NOTE:The symbols in the column Remarks indicate the following destinations.

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	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	5	941639101240P	CONRTOL 1 PCB ASS'Y		704-6K2-A615	1	*	
	6	941639101250P	CONRTOL 2 PCB ASS'Y		704-6K2-A616	1	*	
	7	941639101260P	MAIN PCB ASS'Y		704-6K2-A617	1	*	
	8	941639101270P	IO PCB ASS'Y		704-6K2-A618	1	*	
	9	941639101280P	FRONT PCB ASS'Y		704-6K2-A619	1	*	
	10	941412101220P	CROSS FADER PCB ASS'Y		704-6K2-A685	1	*	
	10-2	-	CROSS FADER PCB(BARE)		405-MC6000-2785	1	-	
	3	941412101200P	WHEEL ASS'Y		701-6K2-5383	2	*	
	3-1	nsp	WHEEL & SHAFT ASS'Y		701-2000-5160	1	-	
	3-2	nsp	WHEEL PLATE		501-6K2-2588	1	-	
	3-3	nsp	SCWER(SAE1018,STS,2.0*3mm)		602-STS2003-677	1	-	
	3-4	nsp	TOUCH SCRATCH SPRING(SUS304, ∮0.3,L=6)		603-M1-384	1	-	
	4	941403100930P	TOP PANEL		703-6K2-1398	1	*	
	4-1	-	GUARD PLATE		300-RCIE-1903	1	-	
	4-2	-	FRONT PANEL(SECC,1.0t)		300-6K2-2113	1	-	
	11	00D9410057301	POWER KNOB(ABS,PS200-10%)		100-HDJ2000-1641	1		
	12	90M09CW259020	KNOB PROTECTOR		100-HDJ2000-1642	1		
	13	941412005080P	PUSH KNOB(MIDDLE)		100-UDJ3EB-2213	2		
	14	00D9587012907	ROTATY KNOB(PP+TPR)		100-300-2226	2		
	15	00D9587045709	JOG TUNING KNOB		100-900-2298	1		
	16	00D9587045709	ROTARY KNOB(PP WHITE,TPR GRAY)		100-6000-2298	5		
	17	412510031005P	ROTARY KNOB(ABS PA-757WHITE,8211-45W237B		100-1100-2633	1		
	18	412510032008P	ROTARY KNOB(ABS PA-757WHITE,8211-45W237B		100-1100-2634	18		
	19	941412005100P	ROTARY KNOB		100-6000-2634	3		
	21	nsp	CORD BUSH(NYLON66/101F)		100-K1-2682	1		
	22	941412100970P	ENCODER KNOB		100-1000S-2736V	3		
	23	nsp	JACKET RING		100-2000-2774	1		
	24	941412005110P	ROTARY KNOB(ABS,BLACK)		100-6000-2796	5		
	25	941404100620P	SIDE COVER		100-6K2-2798	2	*	
	26	941412101160P	FADER KNOB		100-22-2824	5	*	
	27	nsp	LED LENS		100-3000-2865	2	-	
	28	941412101150P	VOL. KNOB		100-6K2-3080	8	*	
	29	00D9587013605	GROUND PIN		200-DJ100-231	1		
	30	nsp	GROUND PLATE		300-3000-1953	4		
	31	nsp	BOTTOM BASE		300-6K2-2114	1		
	32	941606502370P	24P FFC CABLE		406-6K2-1284	1	*	
	33	941606502380P	14P 1.0 FFC CABLE (L=57mm)		406-6K2-1268	1	*	
	34	941606502390P	10P 1.0 FFC CABLE (L=370mm)		406-6K2-1269	1	*	
	35	941606502400P	20P 1.0 FFC CABLE (L=70mm)		406-6K2-1270	1	*	
	36	nsp	1P GROUNG WIRE		406-6K2-1272	2		
	37	941606502410P	32P 1.0 FFC CABLE (L=60mm)		406-6K2-1273	1	*	
	42	nsp	TWIN ADHESIVE		508-2000-110	1		
	44	nsp	PULLEY SPRING		603-PROS2-256A	2		
	45	941411103010P	BUTTON (FX1)		604-6K2-626	1	*	
	46	941411103020P	BUTTON (FX2)		604-6K2-627	1	*	
	47	941411103000P	BUTTON (MIXER)		604-6K2-628	1	*	
	48	941411102960P	BUTTON (MIC)		604-6K2-629	1	*	
	49	941411102970P	BUTTON (PLAY-CUE)		604-6K2-630	2	*	
	50	941411102980P	BUTTON (CUE1)		604-6K2-631	1	*	
	51	941411102990P	BUTTON (CUE2)		604-6K2-632	1	*	
	52	941411103030P	BUTTON (KEY-LOCK)		604-6K2-633	2	*	
	53	nsp	PULLEY WASHER		606-F200-003	2		
	54	nsp	E RING		606-DJ3000-105	2		
	55	nsp	WASHER(∮8*3.2*1t,NI)		606-Q2221-122	1		
	56	nsp	FOOT		612-HV3500K-055	4		
	57	nsp	HIMILON(t=0.5)		612-900-219	10		
	60	00D9410006006	SCREW(SAE1018PTP3*8)		602-B600-057	3		
	61	nsp	SCREW(2.6*8 TTP)		602-SL24F-099	35		
	62	nsp	SCREW(BTF, ∮2.6,L=8,C-1018)		602-HP1010K-182	20		
	63	nsp	SCREW(ISOF,3*4,ZS,Cd,Pb,Hg)		602-SA12-414	2		
	64	nsp	SCREW(TTS,3*8,ZB)		602-DCM280-429	3		
	65	nsp	SCREW(TTB,2*5,MC)		602-A700-494	4		
	68	nsp	SCREW(WISO,M3*6, ∮4.9,WISO,C-1018)		602-WISO3006-652B	1		
	66	nsp	SCREW(M2*L3)		602-MK9-505	12		
	67	nsp	SCREW(SAE1018,PTF,3*10)		602-PTF3010-585	2		
	69	nsp	SCREW(C-1018,2*5mm,M)		602-ISOF2005-686B	1		
	70	nsp	SCREW(ISOK,3*8,C-1018)		602-ISOK3008-705B	12		
	71	nsp	SCREW(BTB,3*8,C-1018)		602-BTB3008-706B	22		
	72	nsp	SCREW(∮2.6,L=8)		602-BTB2608-708B	16		
	73	nsp	WINDING FIXTURE(SPTE t=0.3 WC-1A)		300-HM510B-224	3		
	74	nsp	CH FIXED PLATE		300-6K2-2115	2		
	75	nsp	ISOLATION		501-6K2-2600	1		
	76	nsp	ISOLATION		501-6K2-2606	1		
	77	nsp	CABLE TIE		504-S100-004	3		
	78	nsp	CANOE CLIPS(MB-1S)		504-HF6011-5011	2		
	79	nsp	CS FIXED PLATE(SECC,1.0t)		300-6K2-2116	1		
	80	nsp	1P GROUNG WIRE		406-6K2-1271	1		
	81	nsp	SCREW(3*5 P=0.5)		602-B300-041	2		
	82	nsp	CUSHION		612-R1-454	2	*	
	83	941441100830P	CHASSIS ASS'Y (INCLUDE)		701-6K2-5419	1	*	
	2	nsp	CHASSIS		701-6K2-5347	1		
	20	-	LED LENS		100-700-2680	4		
	43	-	NUT(M3* ∮6,C-1010)		601-4500-004	5		
	58	-	VR CUSHION(T=0.3mm,45mm)		612-IM-296	4		
	59	-	HIMILON		612-6K2-492	2		

Packing

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	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	1	941533102090P	CUSHION (L)		506-6K2-659L	1	*	
	2	941533102080P	CUSHION (R)		506-6K2-659R	1	*	
	3	nsp	SOFT BAG		509-6K2-289	1		
	4	nsp	USB CABLE(L=1500mm)		408-SUB-132	1	*	
		nsp	POLYBAG(120*250mm)		505-HM500A-049	1		
!	5-1	941611000760S	AC POWER CORD(L=1830mm,PSE TYPE)	JP	409-DJ2-073B	1	*	
!	5-2	00D9410044204	AC POWER CORD(L=1900mm,VDE TYPE)	E3, E2, E1C, E1	409-DJ2-070A	1		
!	5-3	941611005190P	AC CORD(L=1900mm,2P UL(SP-12)/2P 180°(IS-037))	E3, E2, E1C, E1	409-MC6000-213	1		
!	6	941693003780P	AC ADAPTER SWITCHING POWER(AC100~240V,50/60HZ,DC12V)		411-MC6000-817	1		
	7	nsp	I/B ASS'Y		701-M6000MA-5351	1		
		35201030000AP	SOFTWARE DISC		429-M6000MA-151	1	*	
		54311031600AP	QUICK SETUP GUIDE		502-M6000MA-3335	1	*	
		54311031500AP	MAPPING GUIDE		502-M6000MA-3336	1	*	
		nsp	PE BAG(240*340mm)		505-DJ2500H-014	1		
	8	941537100350P	SUPPORT PASTEBOARD		507-6K2-3458	2	*	
	9	941531104090P	CARTON CASE		507-6K2-3457	1	*	
	10	nsp	BAR CODE	JP	701-6MK2-4916	1		
	10	nsp	BAR CODE	E3, E2, E1C, E1	701-6MK2EM-4916	1		