

## SERVICE MANUAL

MODEL	JP	E3	E2	EK	K2A	E1C	E1K	EUT
DN-MC6000		✓	✓					

### Professional DJ Multi-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.

## SAFETY PRECAUTIONS

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

### LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make 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 unit is defective.

Be sure to test for leakage current with the AC plug in both polarities, in addition, in each power ON, OFF and STANDBY mode, if applicable.

**CAUTION** Please heed the points listed below during servicing and inspection.

#### ◎ Heed the cautions!

Spots requiring particular attention when servicing, such as the cabinet, parts, chassis, etc., have cautions indicated on labels. Be sure to heed these cautions and the cautions indicated in the handling instructions.

#### ◎ Caution concerning electric shock!

(1) An AC voltage is impressed on this set, so touching internal metal parts when the set is energized could cause electric shock. Take care to avoid electric shock, by for example using an isolating transformer and gloves when servicing while the set is energized, unplugging the power cord when replacing parts, etc.

(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 manufacturing parts from sheet metal, there may in some rare cases be burrs on the edges of parts which could cause injury if fingers are moved across them. Use gloves to protect your hands.

#### ◎ Only use designated parts!

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). For replacement parts, be sure to use parts which have the same properties. In particular, for the important safety parts that are marked  $\triangle$  on wiring diagrams and parts lists, be sure to use the designated parts.

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

For safety reasons, some parts use tape, 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 and clamps are used to keep wires away from heating and high voltage parts, so be sure to set everything back as it was originally.

#### ◎ Inspect for safety after servicing!

Check that all screws, parts and wires removed or disconnected for servicing have been put back in their original positions, inspect that no parts around the area that has been serviced have been negatively affected, conduct 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 turn the power switch on. Using a 500V insulation resistance tester, check that the inplug and the externally exposed metal parts (antenna terminal, headphones terminal, input terminal, etc.) is 1M $\Omega$  or greater. If it is less, the set must be inspected and repaired.

### **CAUTION** Concerning important safety parts

Many of the electric and structural parts used in the set have special safety properties. In most cases these properties are difficult to distinguish by sight, and using 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 parts lists in this service manual. Be sure to replace them with parts with the designated part number.

(1) Schematic diagrams ..... Indicated by the  $\triangle$  mark.

(2) Parts lists ..... Indicated by the  $\triangle$  mark.

Using parts other than the designated parts could result in electric shock, fires or other dangerous situations.

## NOTE FOR SCHEMATIC DIAGRAM

### WARNING:

Parts marked with this symbol  $\triangle$  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

### CAUTION:

Before returning the unit to the customer, make sure you make 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 unit is defective.

### WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

### NOTICE:

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM / M=1,000,000 OHM

ALL CAPACITANCE VALUES IN MICRO FARAD. P=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

- Parts for which "nsp" is indicated on this table cannot be supplied.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including General-purpose Carbon Film Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- Not including General-purpose Carbon Chip Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

**WARNING:** Parts marked with this symbol  $\triangle$  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

### ● Resistors

Ex.: 

RN	14K	2E	182	G	FR
Type	Shape and performance	Power	Resistance	Allowable error	Others

RD: Carbon	2B: 1/8 W	F: $\pm 1\%$	P: Pulse-resistant type
RC: Composition	2E: 1/4 W	G: $\pm 2\%$	NL: Low noise type
RS: Metal oxide film	2H: 1/2 W	J: $\pm 5\%$	NB: Non-burning type
RW: winding	3A: 1 W	K: $\pm 10\%$	FR: Fuse-resistor
RN: Metal film	3D: 2 W	M: $\pm 20\%$	F: Lead wire forming
RK: Metal mixture	3F: 3 W		
	3H: 5 W		

\* Resistance

$\frac{1}{\uparrow} \frac{8}{\uparrow} \frac{2}{\uparrow} \Rightarrow 1800\text{ohm}=1.8\text{kohm}$   
 Indicates number of zeros after effective number.  
 2-digit effective number.

$\frac{1}{\uparrow} \frac{R}{\uparrow} \frac{2}{\uparrow} \Rightarrow 1.2\text{ohm}$   
 1-digit effective number.  
 2-digit effective number, decimal point indicated by R.  
 Units: ohm

### ● Capacitors

Ex.: 

CE	04W	1H	3R2	M	BP
Type	Shape and performance	Dielectric strength	Capacity	Allowable error	Others

CE: Aluminum foil electrolytic	0J: 6.3 V	F: $\pm 1\%$	HS: High stability type
CA: Aluminium solid electrolytic	1A: 10 V	G: $\pm 2\%$	BP: Non-polar type
CS: Tantalum electrolytic	1C: 16 V	J: $\pm 5\%$	HR: Ripple-resistant type
CQ: Film	1E: 25 V	K: $\pm 10\%$	DL: For charge and discharge
CK: Ceramic	1V: 35 V	M: $\pm 20\%$	HF: For assuring high frequency
CC: Ceramic	1H: 50 V	Z: $\pm 80\%$	U: UL part
CP: Oil	2A: 100 V	: -20%	C: CSA part
CM: Mica	2B: 125 V	P: +100%	W: UL-CSA part
CF: Metallized	2C: 160 V	C: $\pm 0.25\text{pF}$	F: Lead wire forming
CH: Metallized	2D: 200 V	D: $\pm 0.5\text{pF}$	
	2E: 250 V	=: Others	
	2H: 500 V		
	2J: 630 V		

\* Capacity (electrolyte only)

$\frac{2}{\uparrow} \frac{2}{\uparrow} \frac{2}{\uparrow} \Rightarrow 2200 \mu\text{F}$   
 Indicates number of zeros after effective number.  
 2-digit effective number.  
 Units:  $\mu\text{F}$ .

$\frac{2}{\uparrow} \frac{R}{\uparrow} \frac{2}{\uparrow} \Rightarrow 2.2 \mu\text{F}$   
 1-digit effective number.  
 2-digit effective number, decimal point indicated by R.  
 Units:  $\mu\text{F}$ .

\* Capacity (except electrolyte)

$\frac{2}{\uparrow} \frac{2}{\uparrow} \frac{2}{\uparrow} \Rightarrow 2200\text{pF}=0.0022 \mu\text{F}$   
 Indicates number of zeros after effective number. (More than 2)  
 2-digit effective number.  
 Units:pF

$\frac{2}{\uparrow} \frac{2}{\uparrow} \frac{1}{\uparrow} \Rightarrow 220\text{pF}$   
 Indicates number of zeros after effective number. (0 or 1)  
 2-digit effective number.  
 Units:pF

When the dielectric strength is indicated in AC,"AC" is included after the dielectric strength value.

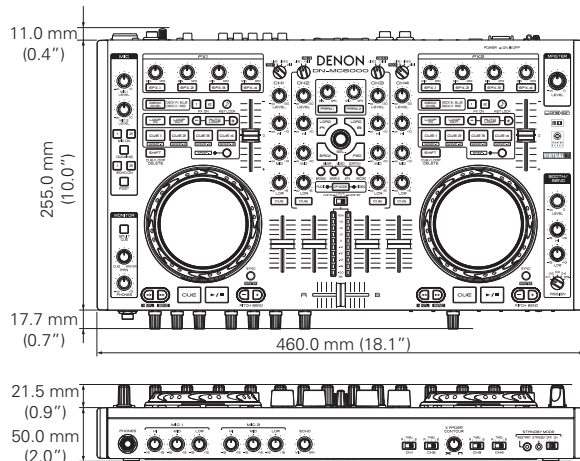
# TECHNICAL SPECIFICATIONS

<b>Audio</b>	(0 dBu=0.775 Vrms, 0 dBV =1 Vrms)
<b>• PHONO inputs</b>	2 Stereo Unbalanced RCA terminal
<b>Input impedance:</b>	50 kΩ
<b>Level:</b>	-40 dBV(10 mV)
<b>Signal to Noise ratio:</b>	Over 87 dB
<b>• LINE inputs</b>	2 Stereo Unbalanced RCA terminal
<b>Input impedance:</b>	10 kΩ
<b>Level:</b>	0 dBV
<b>Signal to Noise ratio:</b>	Over 90 dB
<b>• AUX Input</b>	2 Stereo Unbalanced RCA terminal
<b>Input impedance:</b>	10 kΩ
<b>Level:</b>	0 dBV
<b>Signal to Noise ratio:</b>	90 dB or later
<b>• Equalizer (LINE)</b>	3 Band
<b>Channel EQ Adjustment Range:</b>	HI (High Range) : -∞, -90 dB - +10 dB MID (Medium Range) : -∞, -90 dB - +10 dB LOW (Low Range) : -∞, -90 dB - +6 dB
<b>• MIC inputs</b>	2 Monaural
<b>MIC 1:</b>	Combo jack (terminal for balanced XLR and balanced 1/4 inch TRS) (1: ground, 2: hot, 3: cold, chip: hot, ring: cold, sleeve: ground)
<b>MIC 2:</b>	Balanced 1/4 inch TRS terminal
<b>Input impedance:</b>	10 kΩ
<b>Level:</b>	-54 - -34 dBV
<b>• Equalizer (MIC/AUX1)</b>	3 Band
<b>Adjustment Range:</b>	HI (High Range) :-15 - +15 dB MID (Medium Range) :-15 - +15 dB LOW (Low Range) :-15 - +15dB
<b>• USB audio inputs</b>	2 Stereo(4 Monaural) 16 bit, Fs:48 kHz USB B
<b>• MASTER output</b>	
<b>Balanced:</b>	Stereo, balanced XLR terminal (1: Ground, 2: Hot, 3: Cold)
<b>DA converter:</b>	24 bit
<b>Load impedance:</b>	Over 600 Ω

<b>Dimensions</b>	
<b>Width:</b>	460.0 mm / 18.1"
<b>Height:</b>	50.0 mm / 2.0"
<b>Depth:</b>	255.0 mm / 10.0"
<b>Weight:</b>	4.6 kg (10 lbs 2.26 oz)

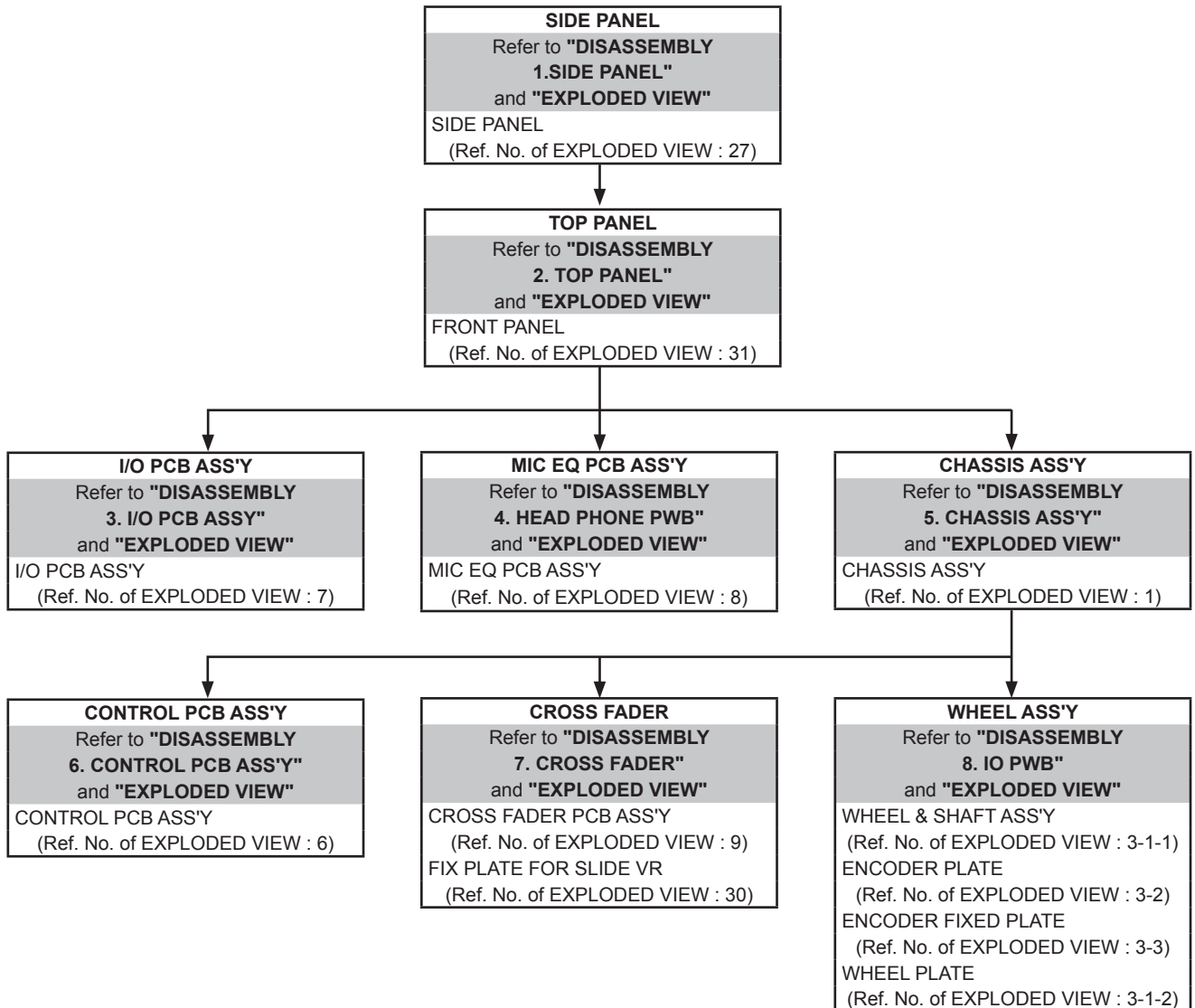
<b>Level:</b>	+ 4 dBu (Max + 24 dBu) • When RL=10 kΩ
<b>Frequency response:</b>	20 Hz - 20 kHz(±0.5 dB)
<b>THD:</b>	Less than 0.05%
<b>Crosstalk:</b>	Less than -100 dB (1 kHz)
<b>Unbalanced:</b>	Stereo RCA terminal
<b>Load impedance:</b>	10 kΩ
<b>Level:</b>	0 dBu (Max + 20dBu)
<b>• REC Output</b>	Stereo Unbalanced RCA terminal
<b>Load impedance:</b>	1 kΩ
<b>Level:</b>	-10dBV (Max +10dBV)
<b>• BOOTH/SEND Output</b>	Stereo balanced 1/4 inch TRS terminal
<b>Load impedance:</b>	Over 600 Ω
<b>Level:</b>	+ 4 dBu (Max + 24 dBu) • When RL=10 kΩ
<b>• Headphone output</b>	Stereo
<b>Load impedance:</b>	40 Ω
<b>Level:</b>	100 mW
<b>• USB audio output</b>	4 Stereo (8 Monaural) 16 bit, 48 kHz USB B
<b>General</b>	
<b>USB MIDI I/O:</b>	IN:1ch, OUT:1ch MIDI1.0, MIDI Clock USB B
<b>CH Meter:</b>	PPM 10 Point LED-20 - + 10 dB, Peak
<b>MASTER Meter:</b>	PPM 10 Point LED-20 - + 10 dB, Peak
<b>CH Fader:</b>	45 mm Slim Type fader
<b>Cross Fader:</b>	45 mm Fader
<b>• Power voltage:</b>	DC12V (the unit)
<b>AC adapter input:</b>	
<b>U.S.A. and Canada models:</b>	AC 120 V, 60 Hz
<b>European,U.K. and Asia/ Pacific models:</b>	AC 230 V, 50 Hz
<b>AC adapter output:</b>	DC 12V 3A
<b>Power consumption:</b>	24 W (Less than 0.45 W during standby)
<b>Operating temperature:</b>	+5 °C - +35 °C
<b>Operating humidity:</b>	25 % - 85 %
<b>Storage temperature:</b>	-20 °C - 60 °C

## DIMENSION



# DISASSEMBLY

- Disassemble in order of the arrow of the figure of following flow.
- In the case of the re-assembling, assemble it in order of the reverse of the following flow.
- In the case of the re-assembling, observe "attention of assembling" it.
- If wire bundles are untied or moved to perform adjustment or parts replacement etc., be sure to rearrange them neatly as they were originally bundled or placed afterward.  
Otherwise, incorrect arrangement can be a cause of noise generation.

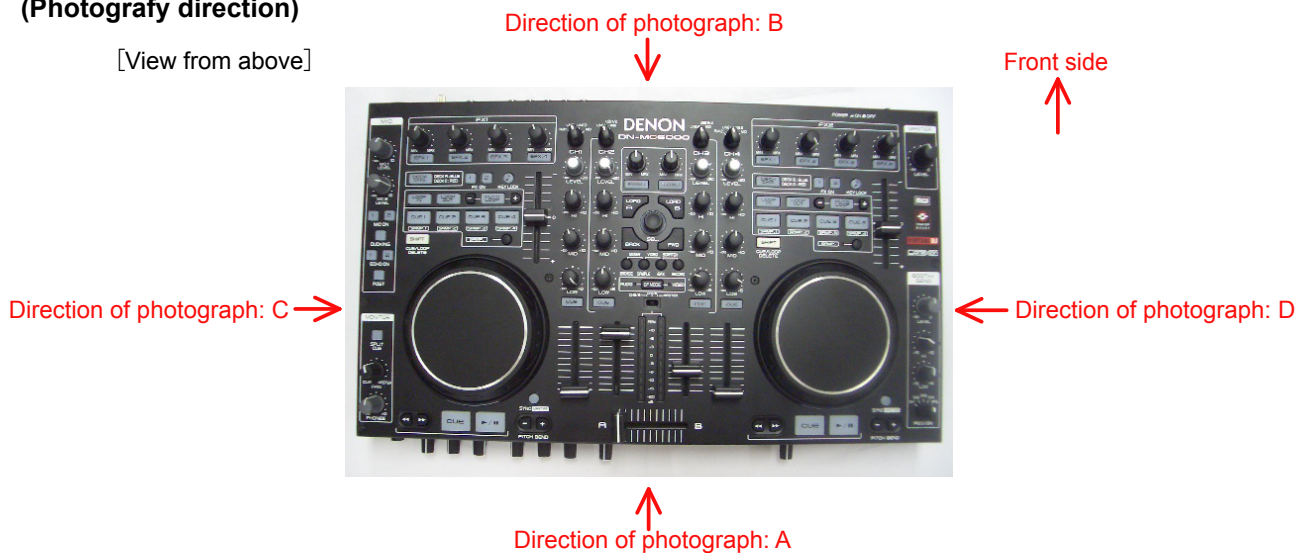


## About the photos used for descriptions in the "DISASSEMBLY" section.

- The direction from which the photographs used herein were photographed is indicated at "Direction of photograph: \*\*\*\*" at the left of the respective photographs.
- Refer to the table below for a description of the direction in which the photos were taken.
- Photographs for which no direction is indicated were taken from above the product.

### The viewpoint of each photograph (Photography direction)

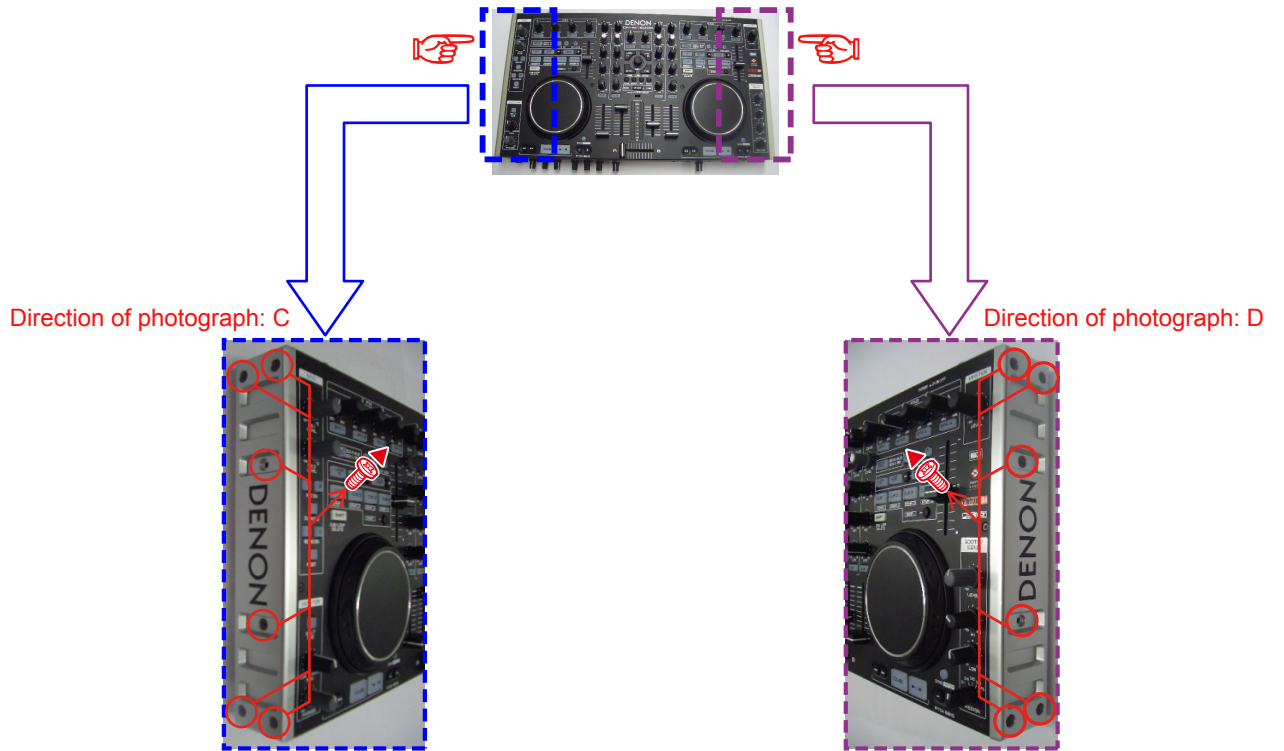
[View from above]



# 1. SIDE PANEL

Proceeding : **SIDE PANEL**

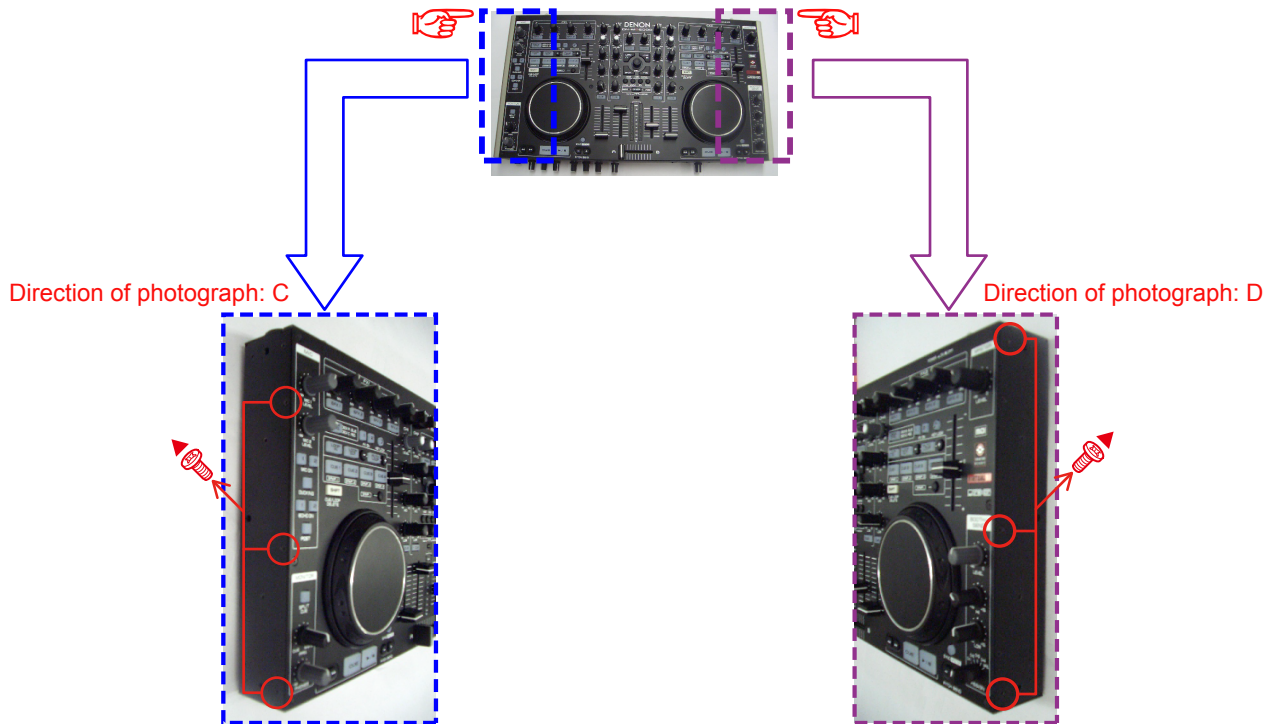
(1) Remove the screws.



## 2. TOP PANEL

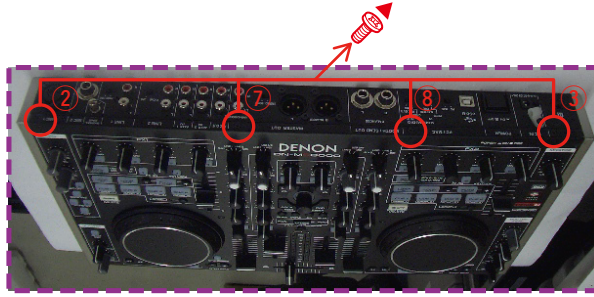
Proceeding : **SIDE PANEL** → **TOP PANEL**

(1) Remove the screws.





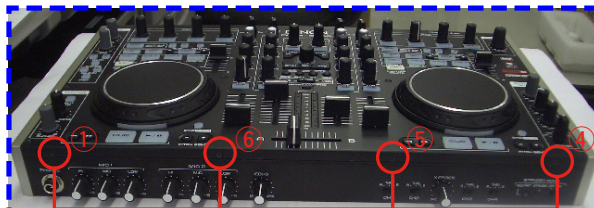
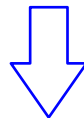
**NOTE :** Turn to tighten a screws ① → ② ... ⑧ .



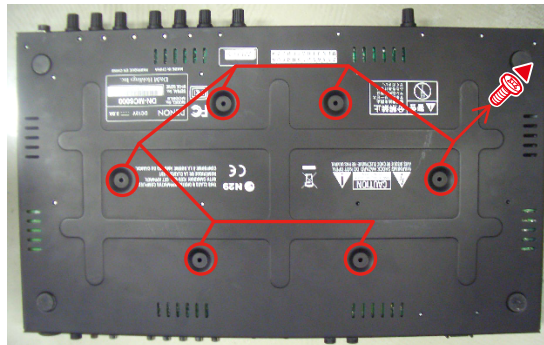
Direction of photograph: B



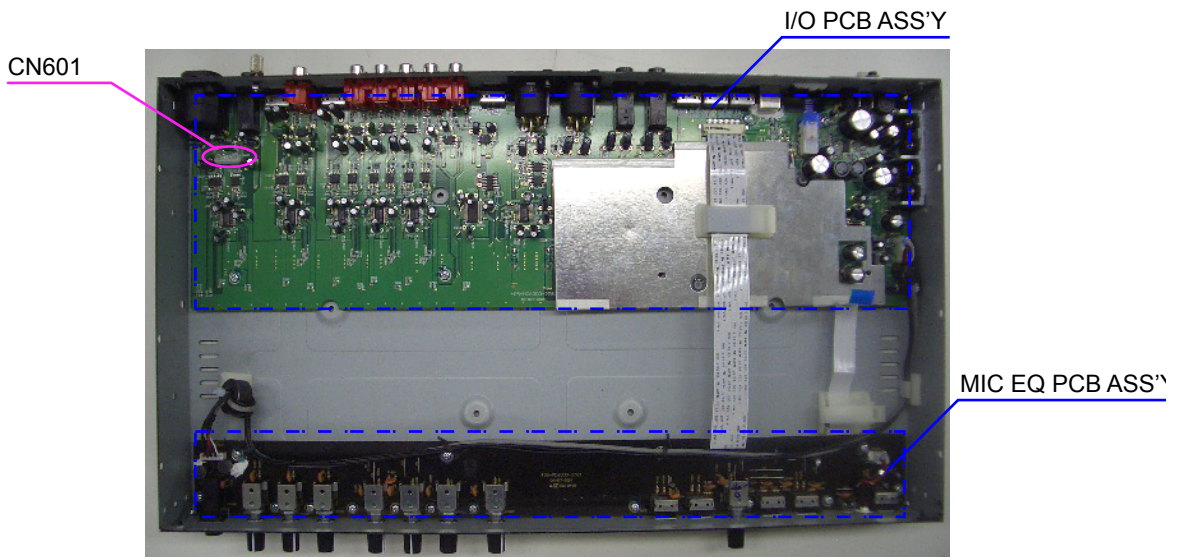
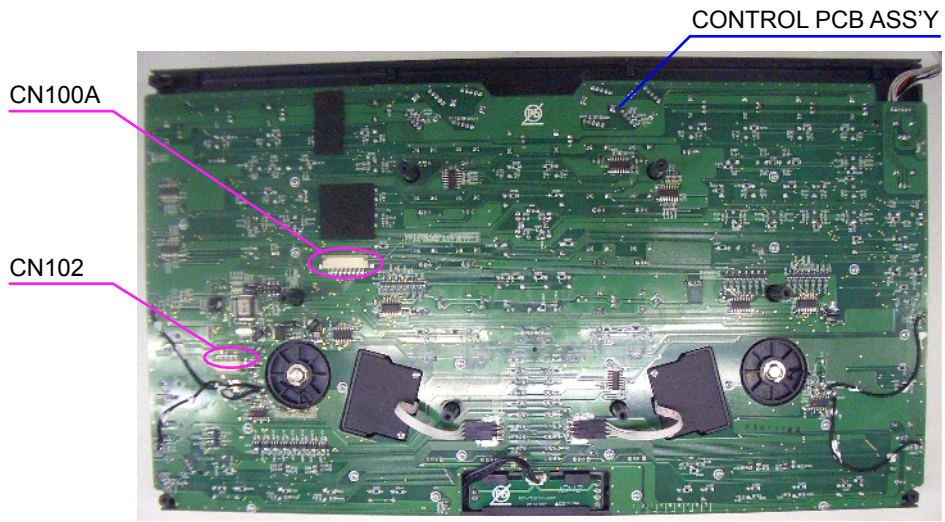
Direction of photograph: A



View from bottom



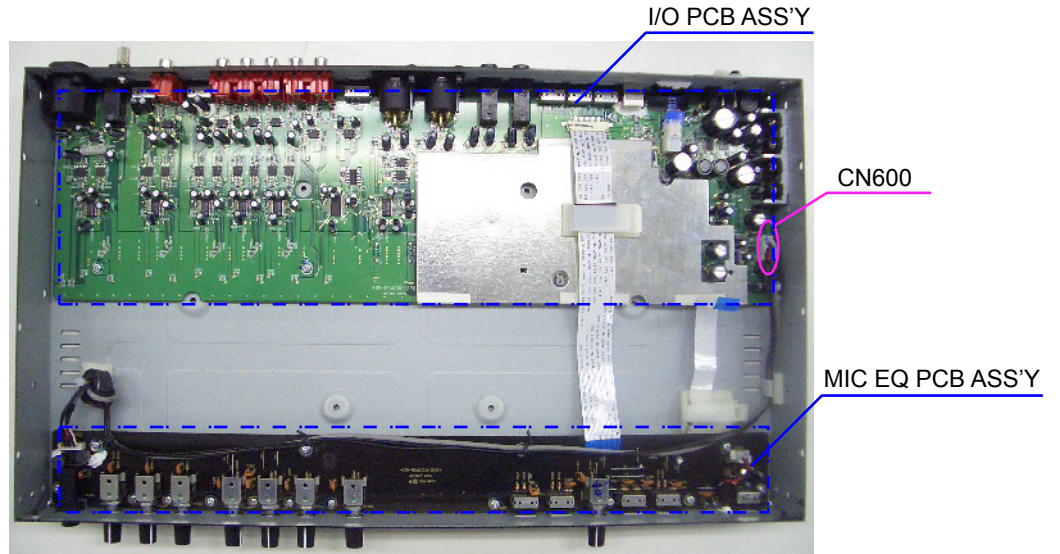
(2) Disconnect the connector wire.



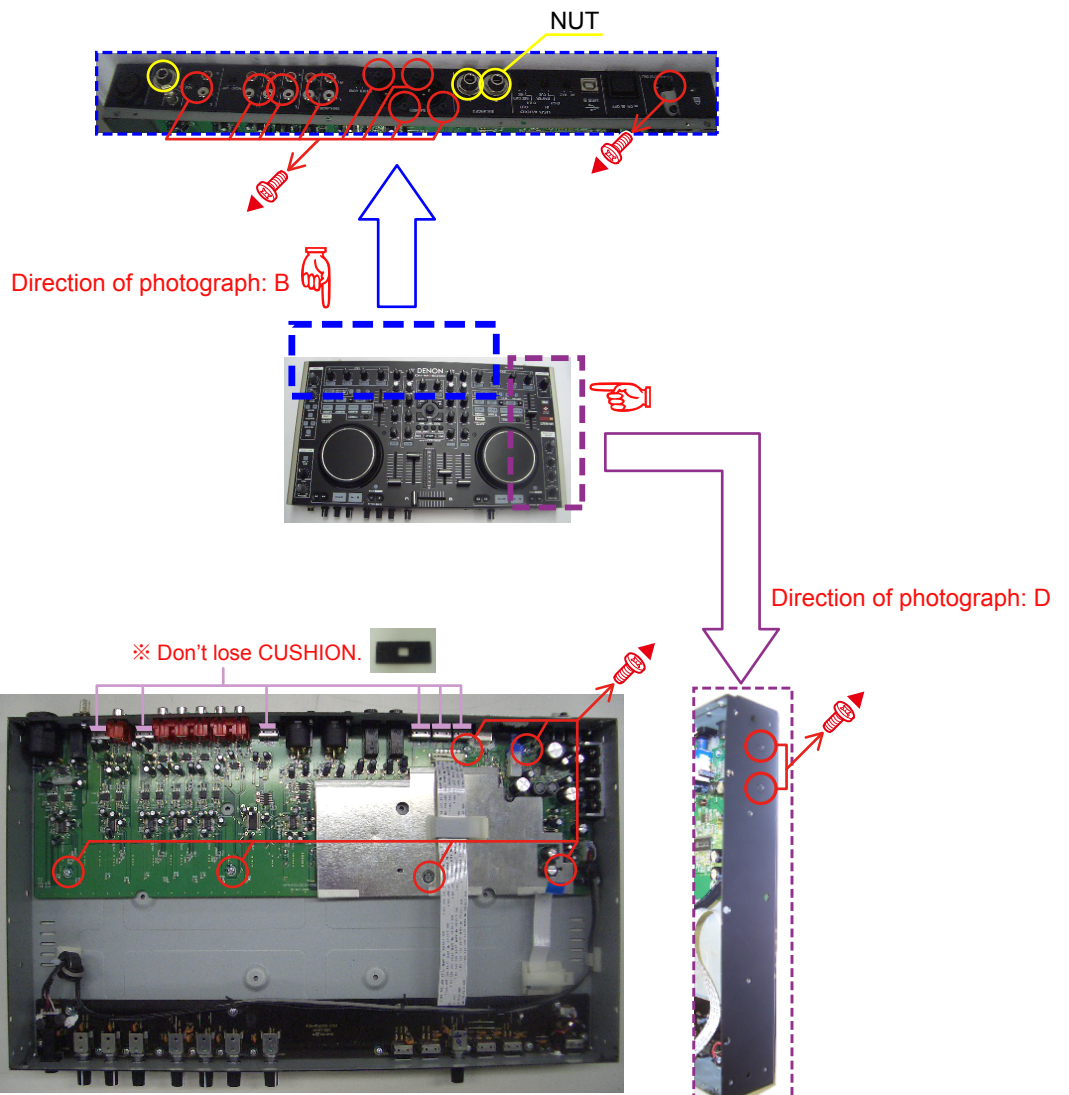
### 3. I/O PCB ASS'Y

Proceeding : **SIDE PANEL** → **TOP PANEL** → **I/O PCB ASS' Y**

(1) Disconnect the connector wire.



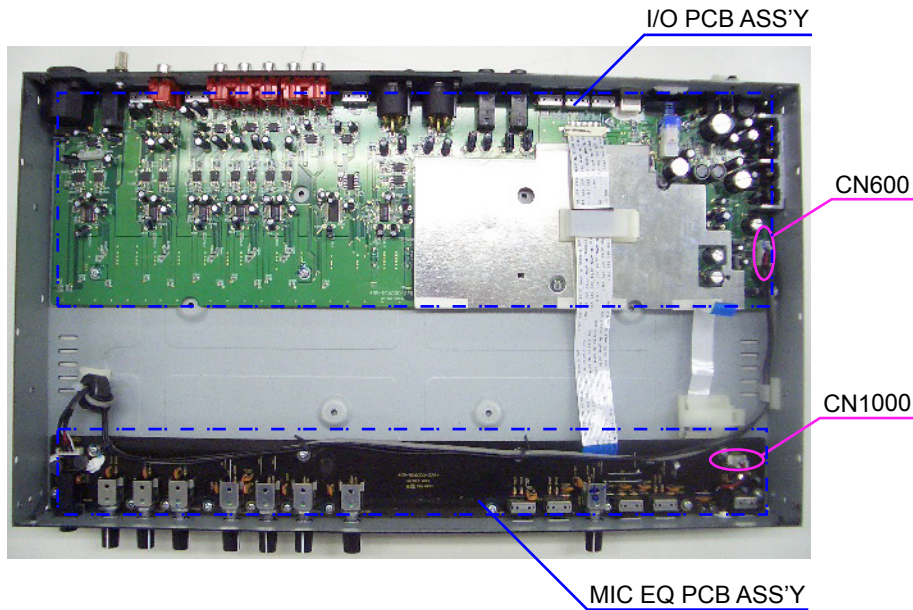
(2) Remove the screws and the nuts.



#### 4. MIC EQ PCB ASS'Y

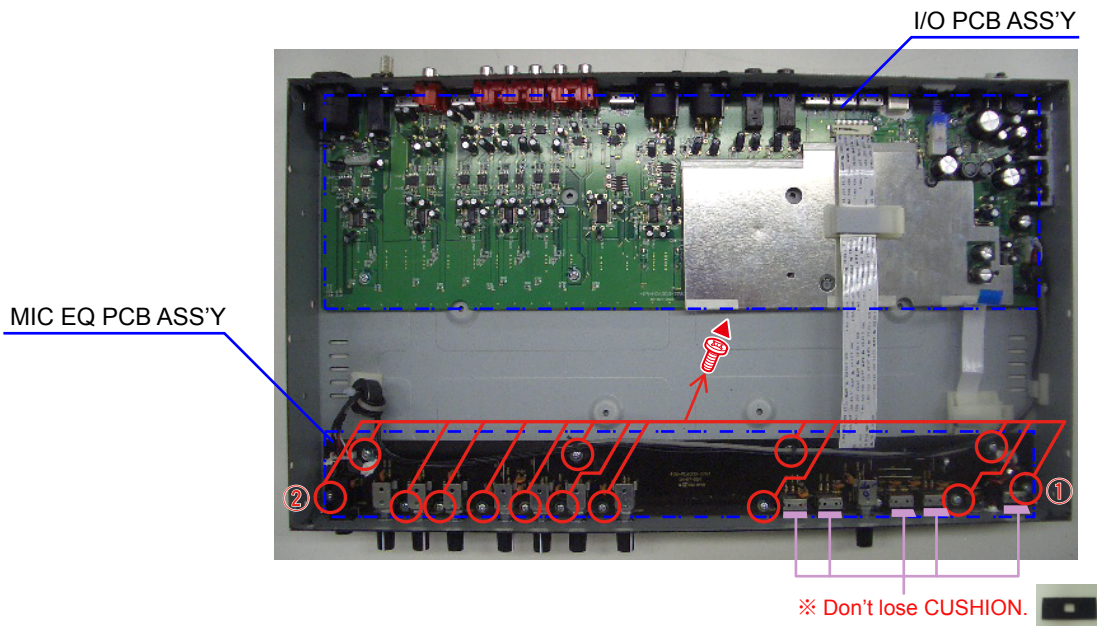
Proceeding : **SIDE PANEL** → **TOP PANEL** → **MIC EQ PCB ASS' Y**

(1) Disconnect the connector wire.

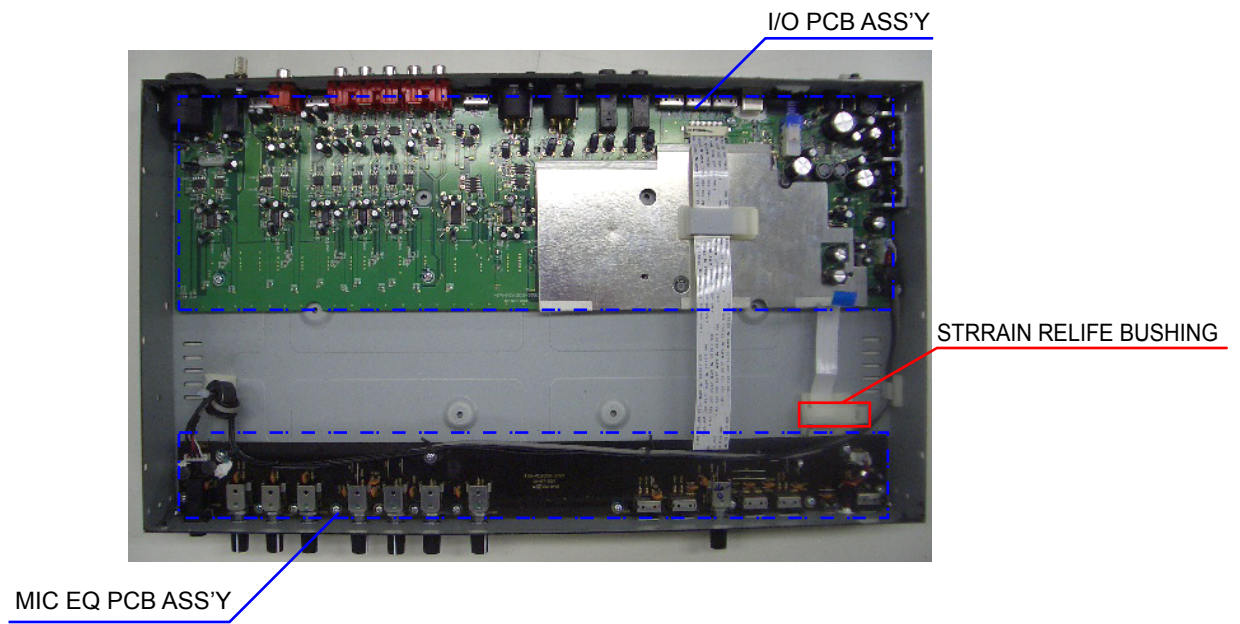


(2) Remove the screws, the nuts and the knobs.

**NOTE :** Turn to tighten a screws ① → ② .



(3) Open the STRRAIN RELIFE BUSHING.



## 5. CHASSIS ASS'Y

Proceeding : **SIDE PANEL** → **TOP PANEL** → **CHASSIS ASS' Y**

(1) Remove the knobs.



(2) Remove the screws.

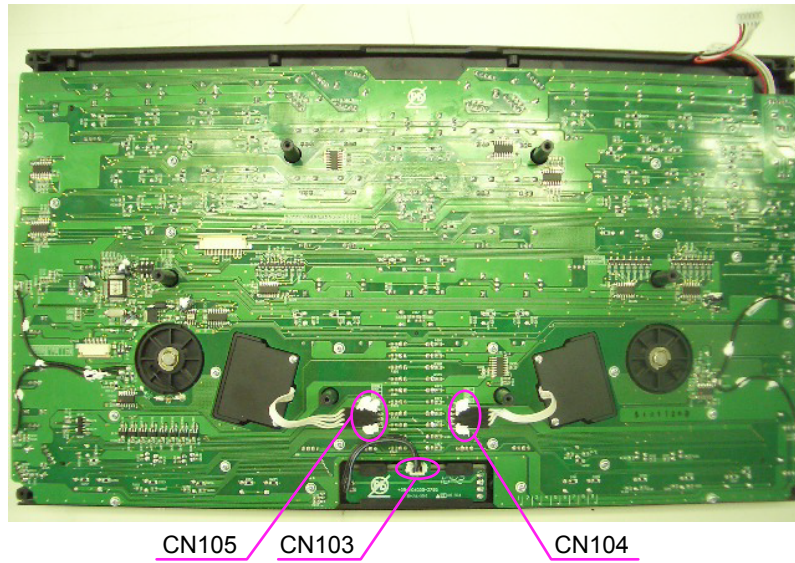
**NOTE :** Turn to tighten a screws ① → ② ... ⑧ .



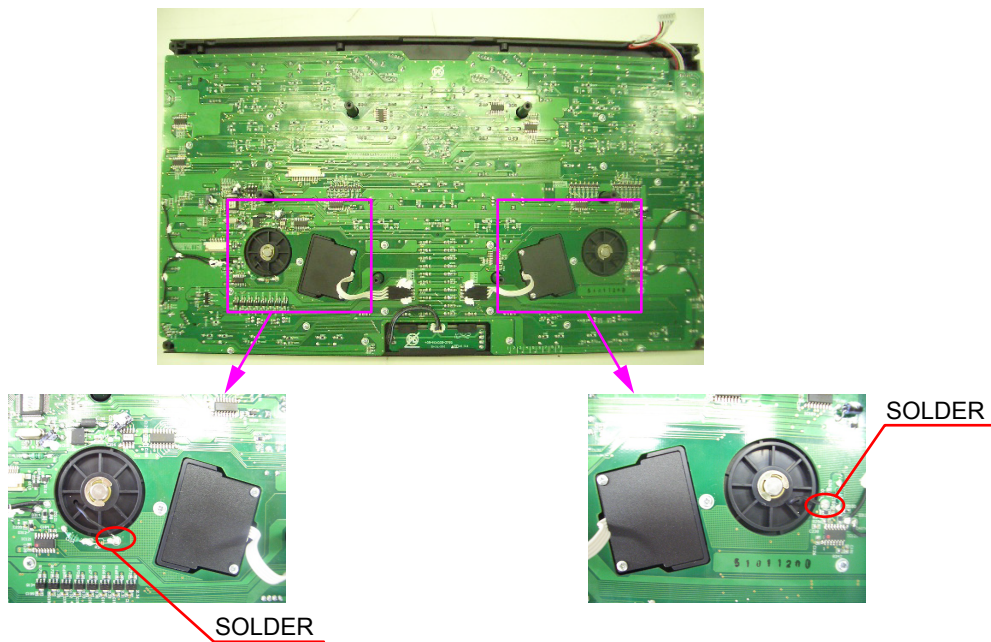
## 6. CONTROL PCB ASS'Y

Proceeding : **SIDE PANEL** → **TOP PANEL** → **CHASSIS ASS' Y**  
→ **CONTROL SUB ASSY**

(1) Disconnect the connector wire.



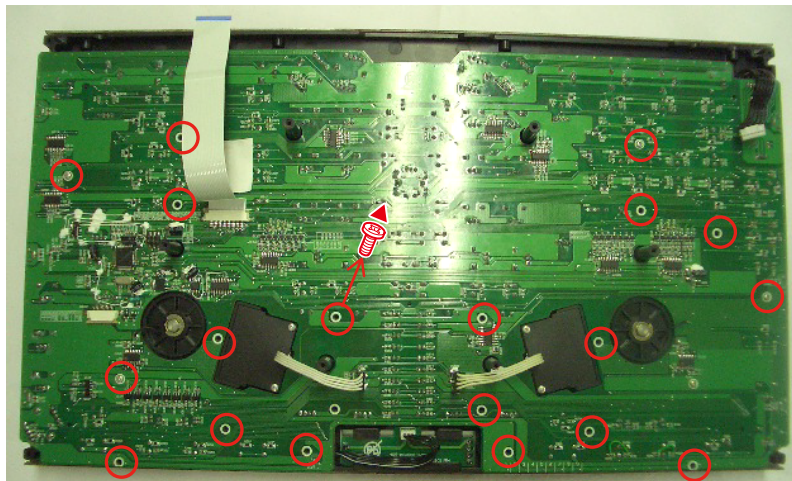
(2) Remove the solder.



(3) Remove the nuts.

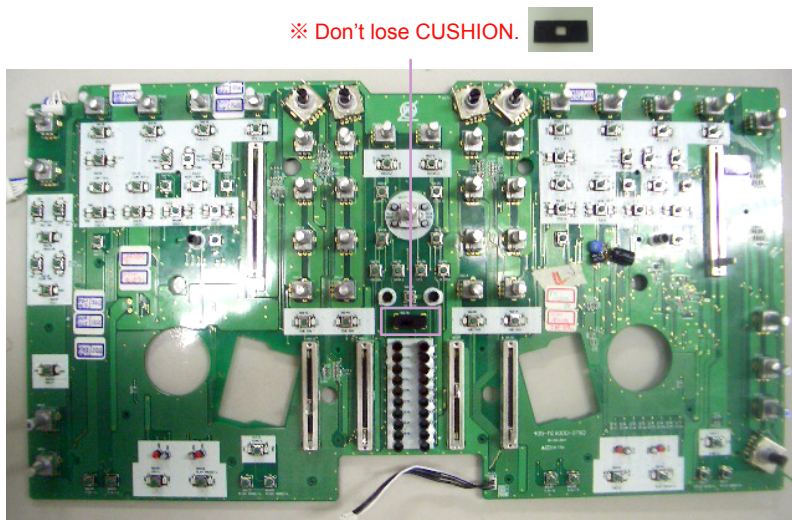


(4) Remove the screws.



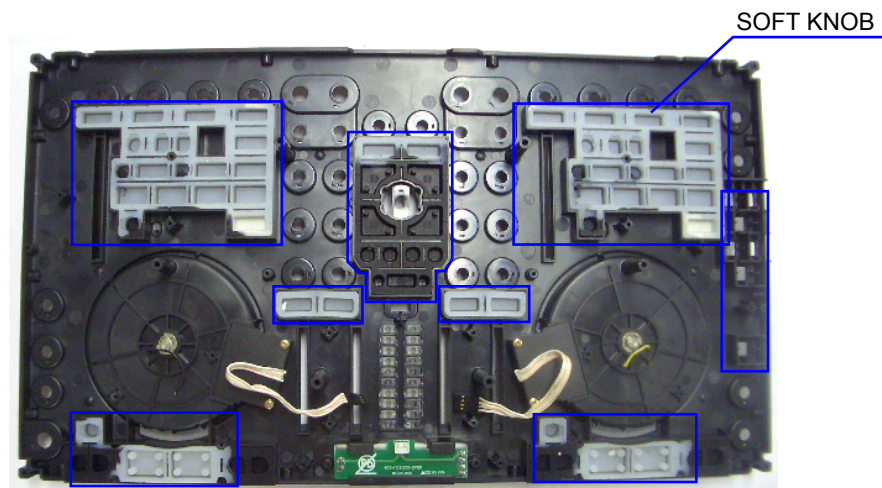
(5) Remove the CONTROL PCB ASS'Y

※ Don't lose CUSHION.





(6) Remove the SOFT KNOB.



### 7. CROSS FADER

Proceeding : **SIDE PANEL** → **TOP PANEL** → **CHASSIS ASS' Y** → **CROSS FADER**

(1) Remove the screws.



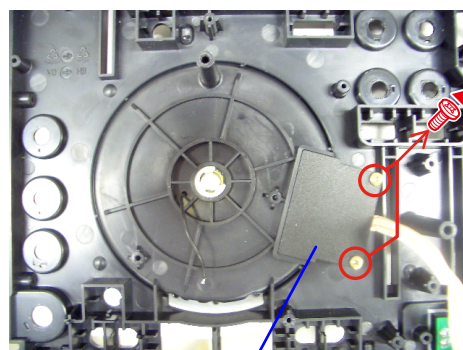
(2) Remove the screws.



### 8. WHEEL ASS'Y

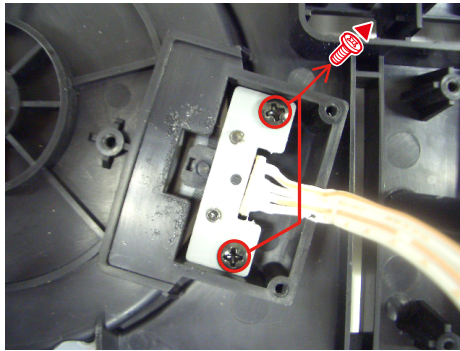
Proceeding : **SIDE PANEL** → **TOP PANEL** → **CHASSIS ASS' Y** → **WHEEL ASS' Y**

(1) Remove the screws, then remove the DUST-PROOF SLICE.



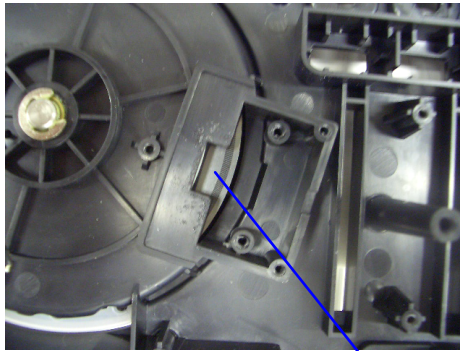
DUST-PROOF SLICE

(2) Remove the screws.



(3) Remove the SENCER PCB ASS'Y.

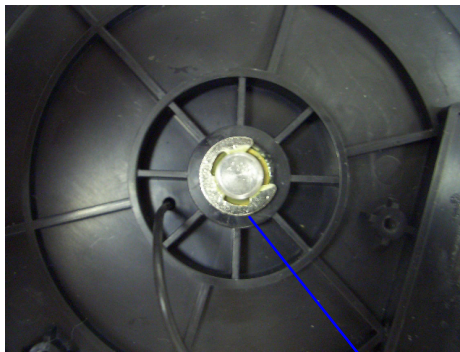
**NOTE :** Note:Don't damage the Encorder plate.



ENCORDER PLATE

(4) Remove the E-RING.

**NOTE :** Don't hold down the circumference of the shaft with a tool.  
Don't come out of the bearing when you transform a shaft.



E-RING

# SPECIAL MODE

## 1. Special mode setting

Turns on DN-MC6000 while pressing buttons A, B,C and D.

Mode	A	B	C	D	Contents
Version Up Mode	1	7	8	-	Firmware Upgrade
Version indicate mode	7	8	9	-	Firmware version display.
Adjusting mode of the touch sense sensitivity	2	6	9	-	Adjust sensitivity of JOG wheel.
Stand-by checking mode.	3	4	5	9	check Stand-by mode.
Initialize mode	1	7	9	-	Return to factory default setting



## 2. Version Up Mode

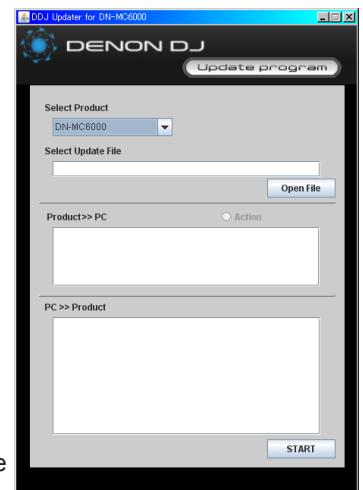
- (1) Connect MC6000 to PC with USB cable.
- (2) Pressing (BACK+FWD+SHIFT) at the same time, then turn on DN-MC6000.
- (3) DN-MC6000 will enter versionup mode. CUE-1 will light.
- (4) Start [DDJ Updater for DN-MC6000] on PC.
- (5) Confirm that [Select Product] indicates to DN-MC6000.
- (6) Click [Open File] , and then select update file.
- (7) Click [START] to start updating.  
DN-MC6000 indicates state of updating.



CUE-2: Update Data(0~49%), CUE-3: Update Data(50~99%),  
CUE-4: Update Data(100%)

- (8) Upon completion of the upgrade, it automatically restarts, start in Normal mode.
- (9) Finish [DDJ Updater for DN-MC6000] .

**NOTE :** Please do not switch off the PC during update of Firmware. In addition, please do not take off a USB cable.  
When update is failed, PC indicates "Update Fail Error!!!".  
In this case, retry update,please.



### 3. Version Display

Pressing (FWD+SHIFT+CF MODE) at the same time, then turn on DN-MC6000.

#### How to read the version number

Firmware Version Leds (Ver A .XYZ)



※ They indicate System version when the CUE is pushed, and indicate DSP version when PLAY is pushed. When the mode starts, they indicate System version.

**Example :** Ver1.132

DECK A side : EFX.1

DECK B side : EFX1, DECK CHG, FX1, FX2, LOOP IN, LOOP OUT

Seven places of LED turns on

### 4. Adjusting mode of the touch sense sensitivity

(1) Pressing (LOAD A+LOAD B+SHIFT) at the same time, then turn on DN-MC6000.

(2) Press CF MODE, and switch the jog wheel that you want to adjust.

※ When the mode starts, DECK A side is selected.

(3) Rotate the track selection knob, and adjust the sensitivity.

※ The button lights according to the set sensitivity.

Buttons	CUE1	CUE2	CUE3	CUE4	DECK CHG.	EFX.1	EFX.2	EFX.3	EFX.4
Sensitivity	-4	-3	-2	-1	0	+1	+2	+3	+4

※ If the jog wheel detects a touch, the jog wheel changes from red to blue.

(4) Press the track selection knob(SEL.) to memorize adjustment data.

(5) Press SHIFT to finish.

Upon completion of the adjustment, it automatically restarts, start in Normal mode.

## 5. Stand-by checking mode.

- (1) Pressing (PARAM.1+PARAM.2+track selection knob+CF MODE) at the same time, then turn on DN-MC6000.
- (2) DN-MC6000 will enter Stand-by checking mode. Track selection knob will light.
- (3) Press the track selection knob to enter Stand-by mode. Stand-by LED will light.
- (4) Press RESTART to finish.  
Upon completion of the adjustment, it automatically restarts, start in Normal mode.

## 6. Initialize

- (1) Pressing (BACK+FWD+CF MODE) at the same time, then turn on DN-MC6000.
- (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
FADER LOCK FUNCTION	OFF	ON ⇔ OFF
Sensitivity of JOG wheel	±0	-4 ⇔ +4
MIDI Channel	1 ~ 4	1 ~ 4 ⇔ 13 ~ 16

## ABOUT REPLACE THE MICROPROCESSOR WITH A NEW ONE

When replaced of the U-PRO (Microprocessor) or the Flash ROM, confirm contents of the following.

PWB Name	Ref. No.	Description	After replaced	Remark
CONTROL	IC100	MC9S08AW60CPUe	<b>B</b>	P/N : 704-6000-9601
CONTROL	IC102	24LC128T-I/SN	<b>B</b>	P/N : 704-6000-9602

After replaced

**A** : Mask ROM (With software). No need write-in of software to the microprocessor.

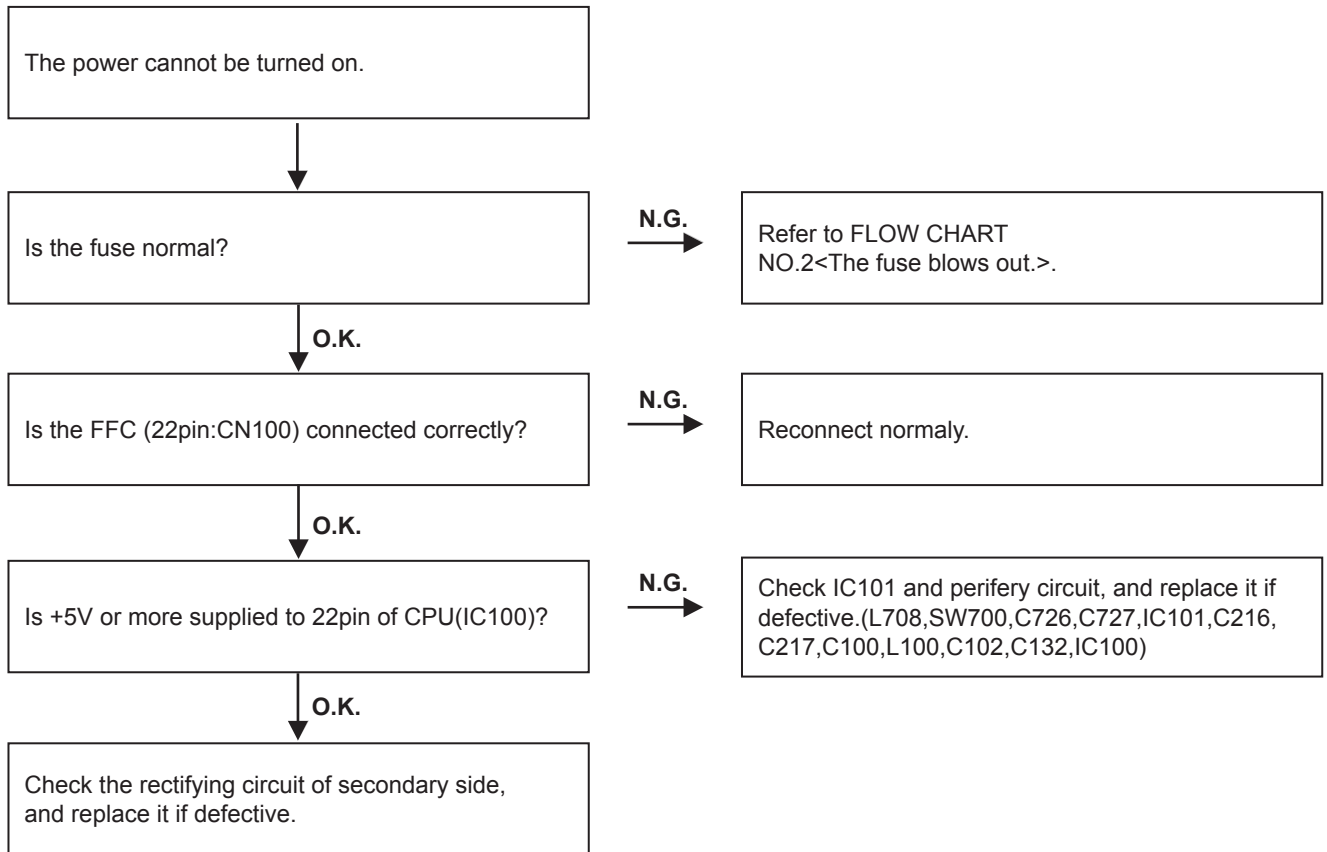
**B** : Flash ROM (With software). Usually, no need write-in of software. But, when the software was updated, you should be write-in of the new software to the microprocessor or flash ROM. Please check the software version.

**C** : Empty Flash ROM (Without software). You should be write-in of the software to the microprocessor or flash ROM. Refer to "Update procedure" or "writing procedure", when you should be write-in the software.

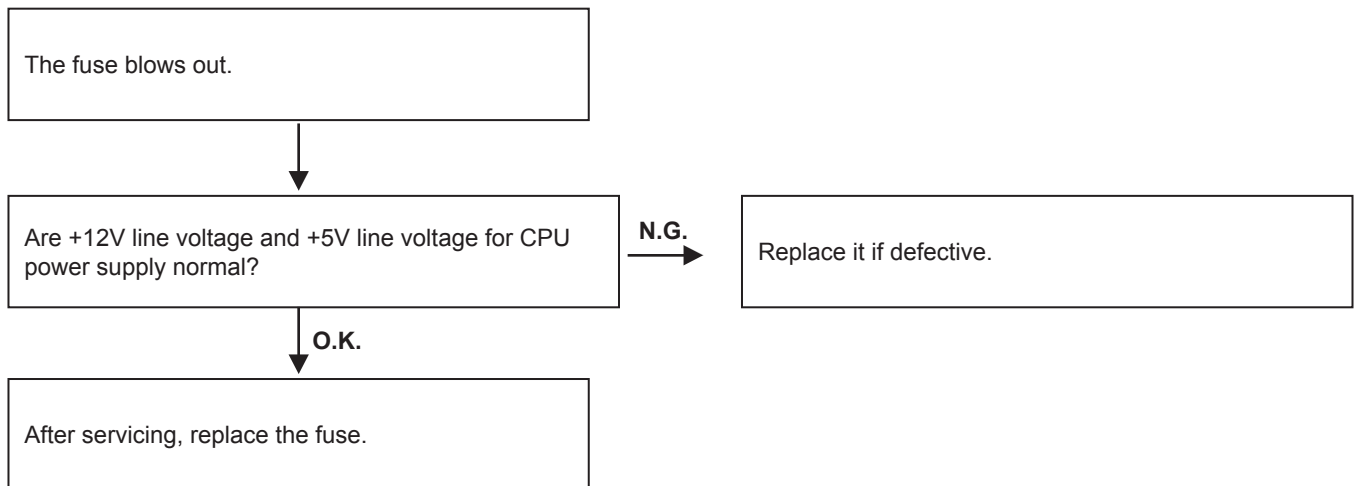
※ Refer to "**SPECIAL MODE** : 2.Version Up Mode" for the procedure of the firmware update.

# TROUBLE SHOOTING

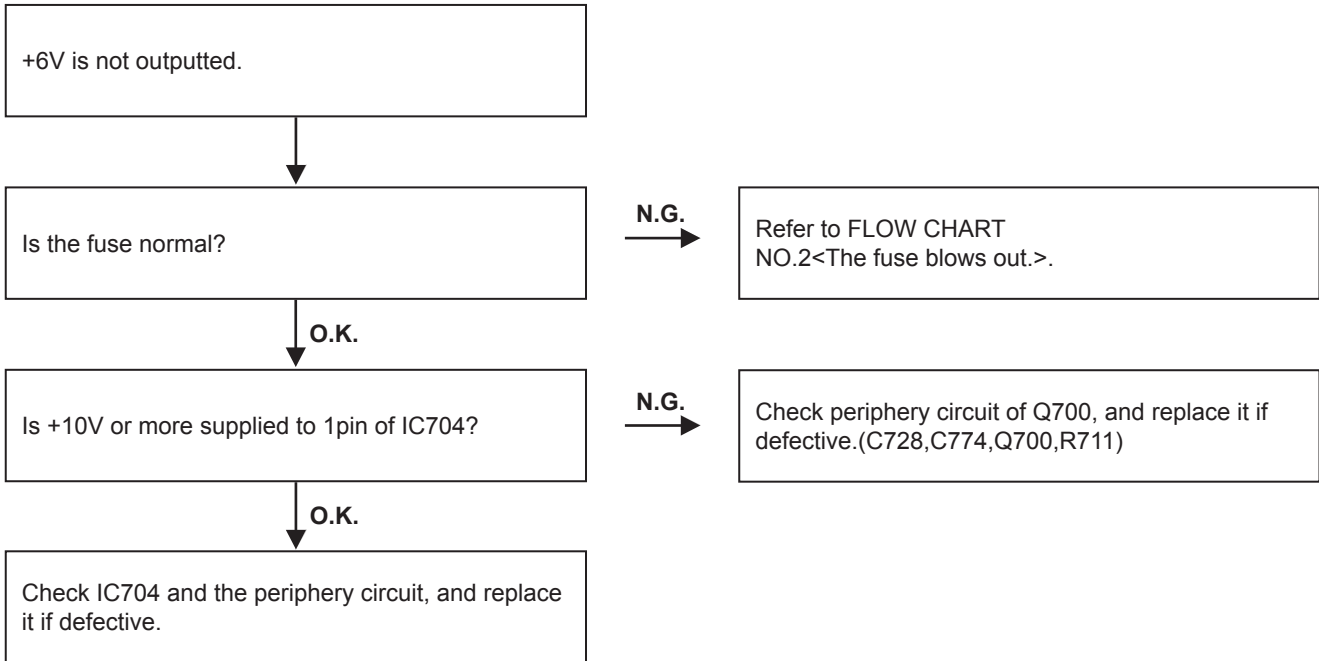
## FLOW CHART NO.1 (405-MC6000-2783 : I/O UNIT)



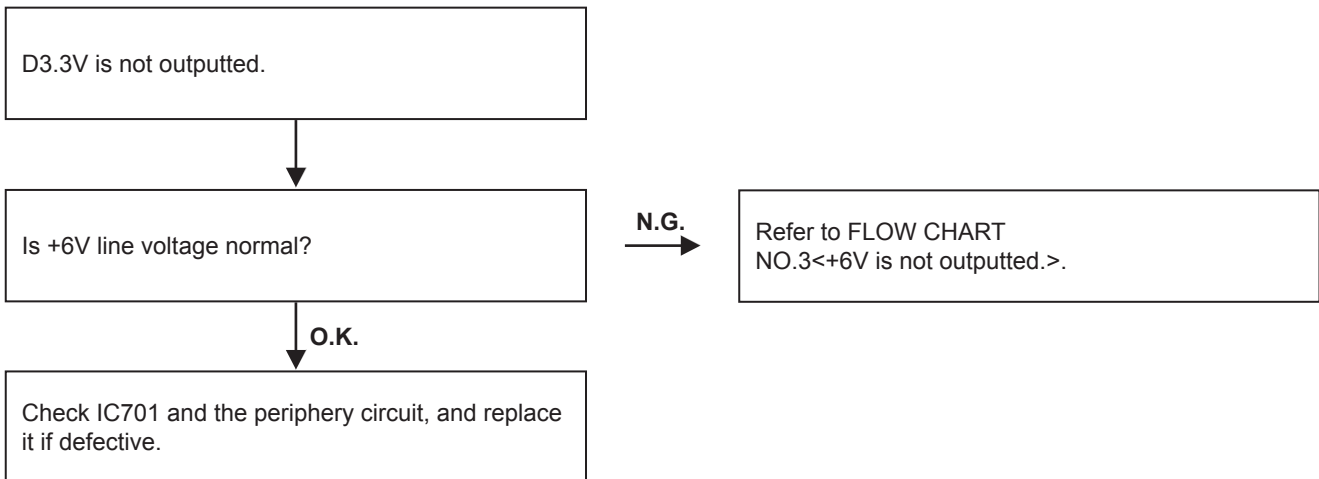
## FLOW CHART NO.2 (405-MC6000-2783: I/O UNIT)



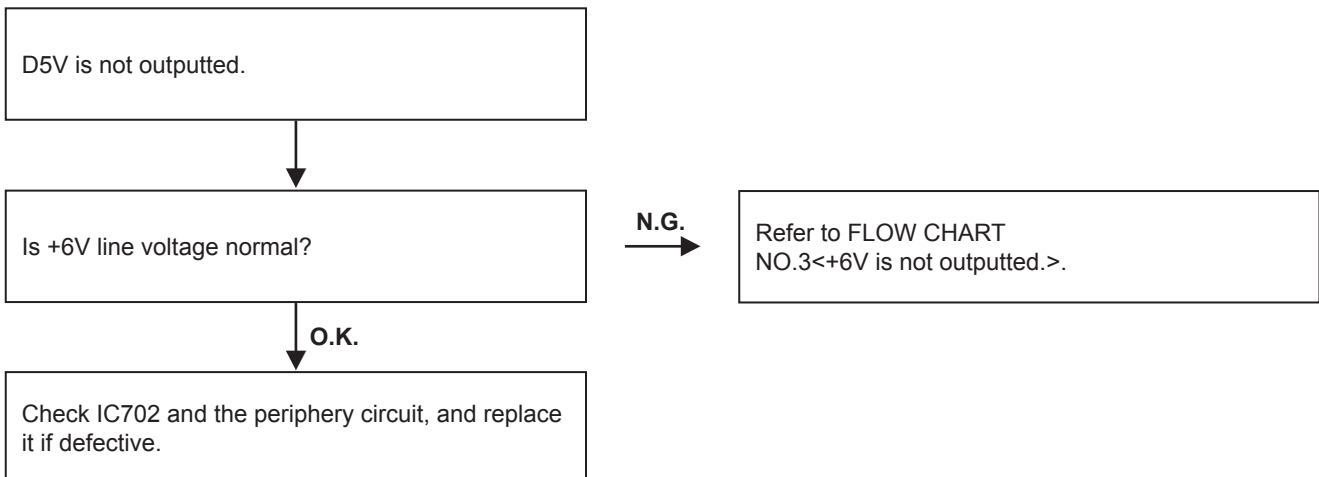
**FLOW CHARTNo.3 (405-MC6000-2783 : I/O UNIT)**



**FLOW CHARTNo.4 (405-MC6000-2783 : I/O UNIT)**

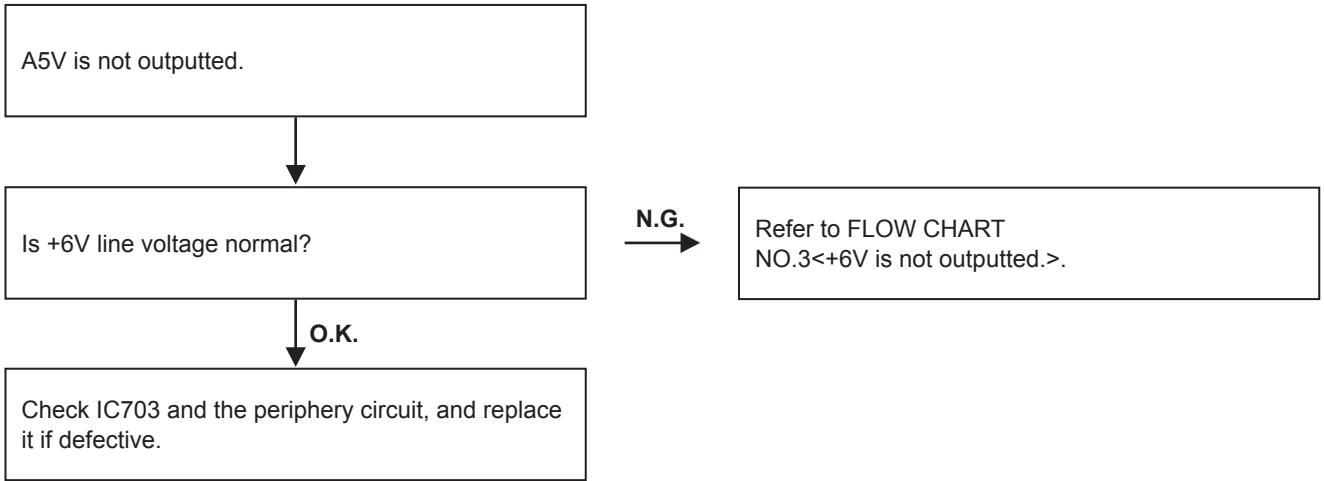


**FLOW CHARTNo.5 (405-MC6000-2783 : I/O UNIT)**

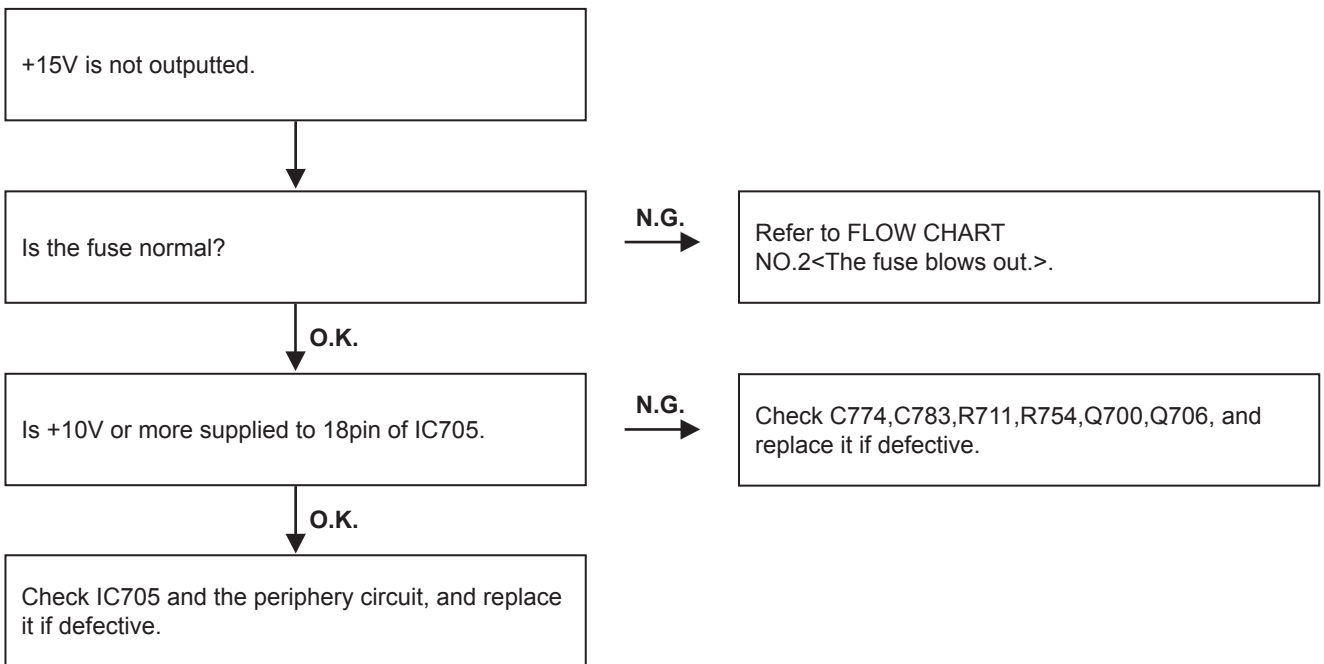




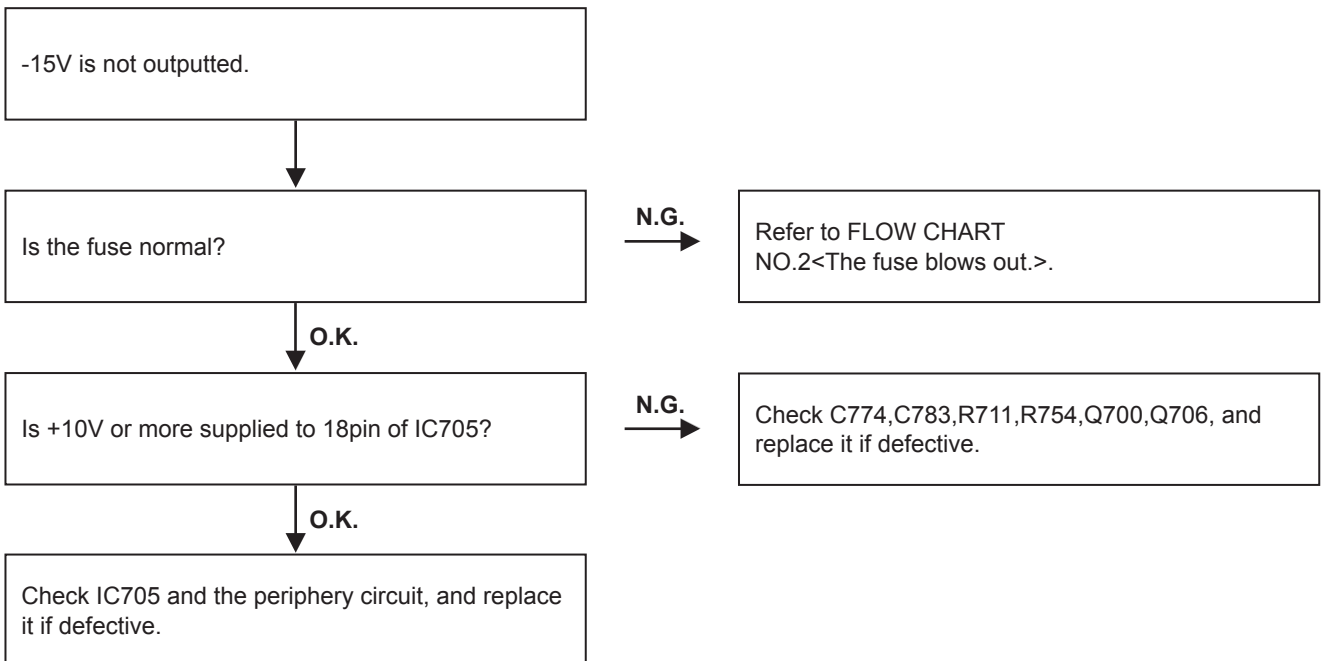
**FLOW CHART No.6 (405-MC6000-2783 : I/O UNIT)**



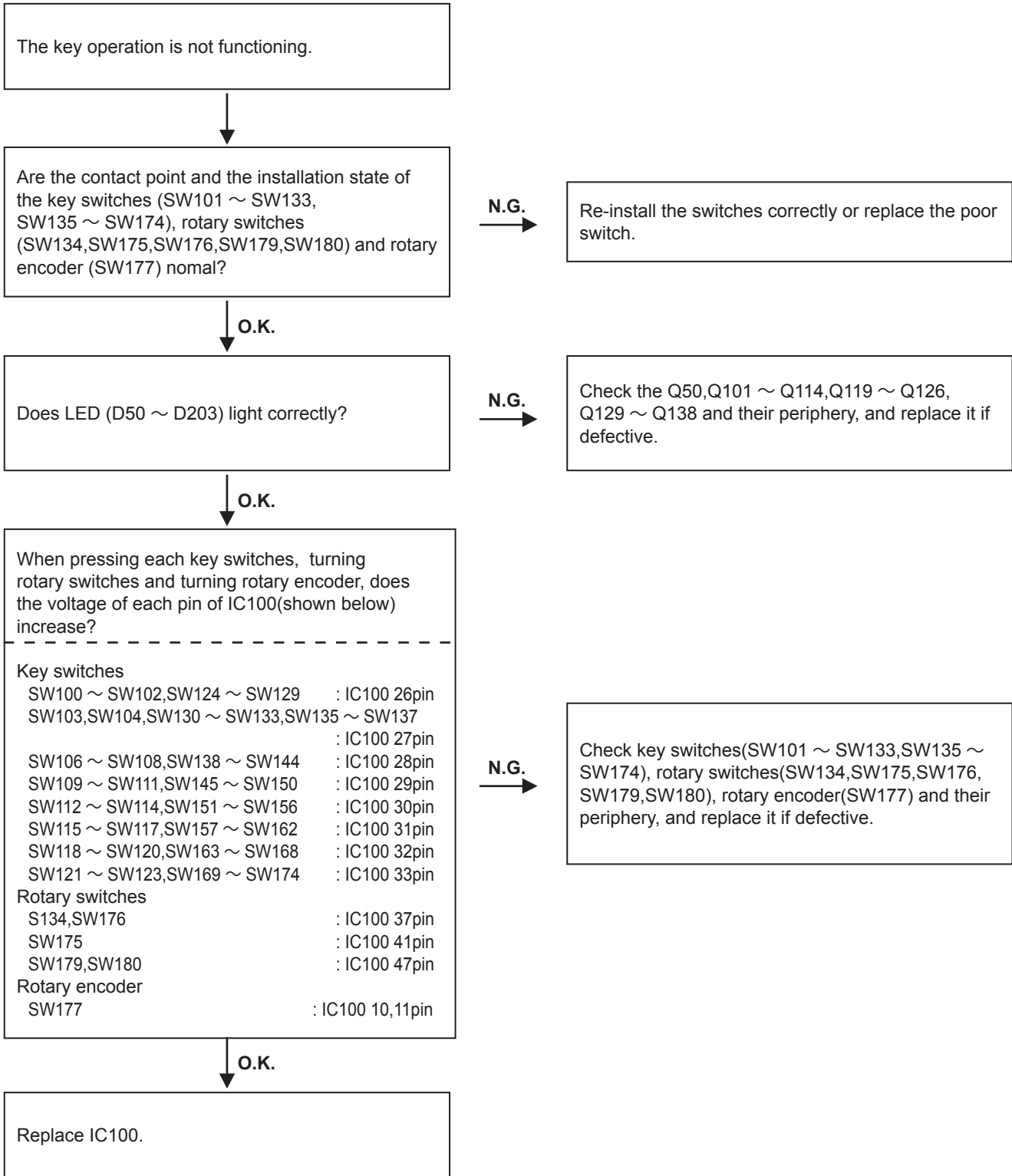
**FLOW CHART No.7 (405-MC6000-2783 : I/O UNIT)**



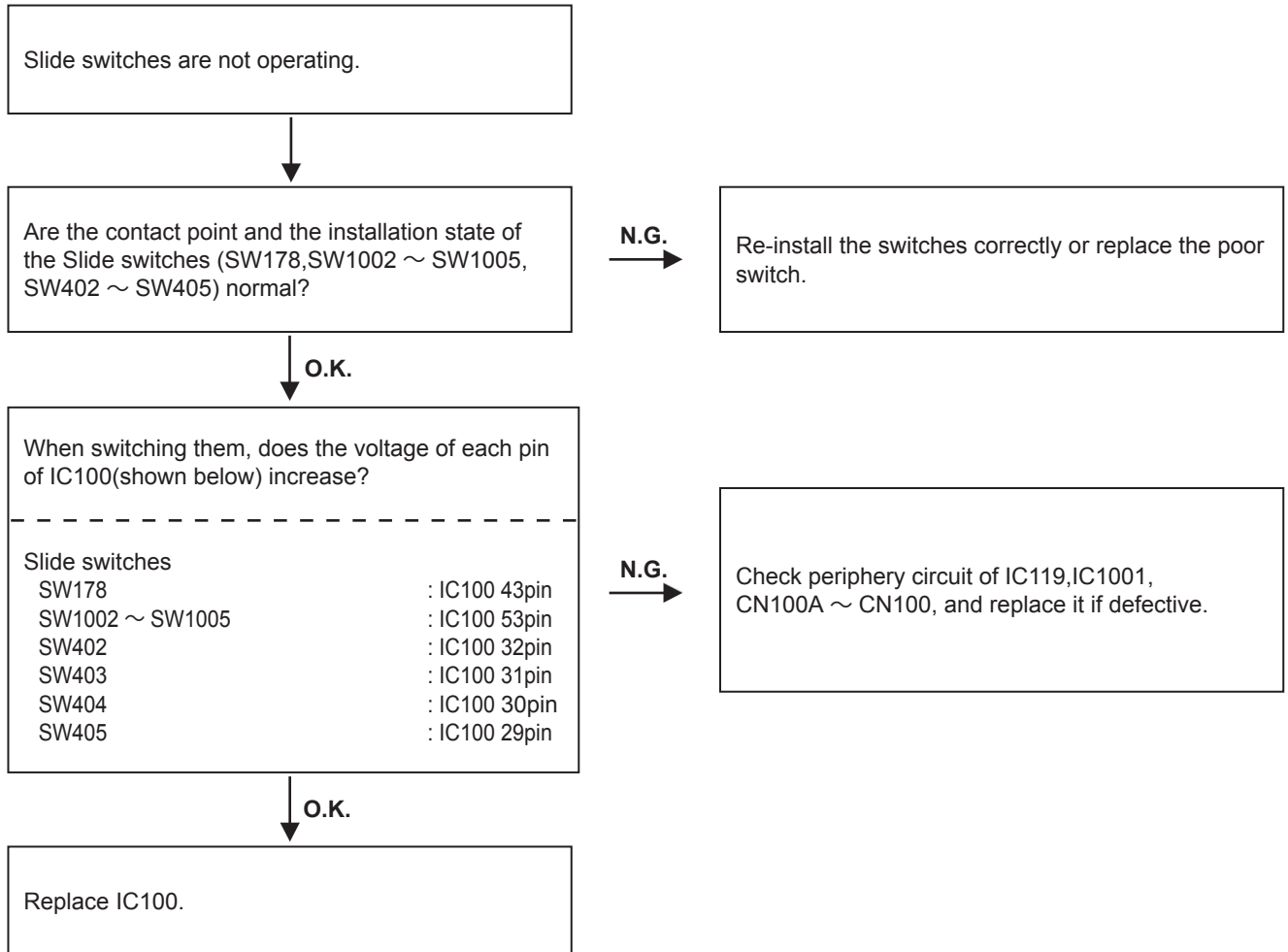
**FLOW CHART No.8 (405-MC6000-2783 : I/O UNIT)**



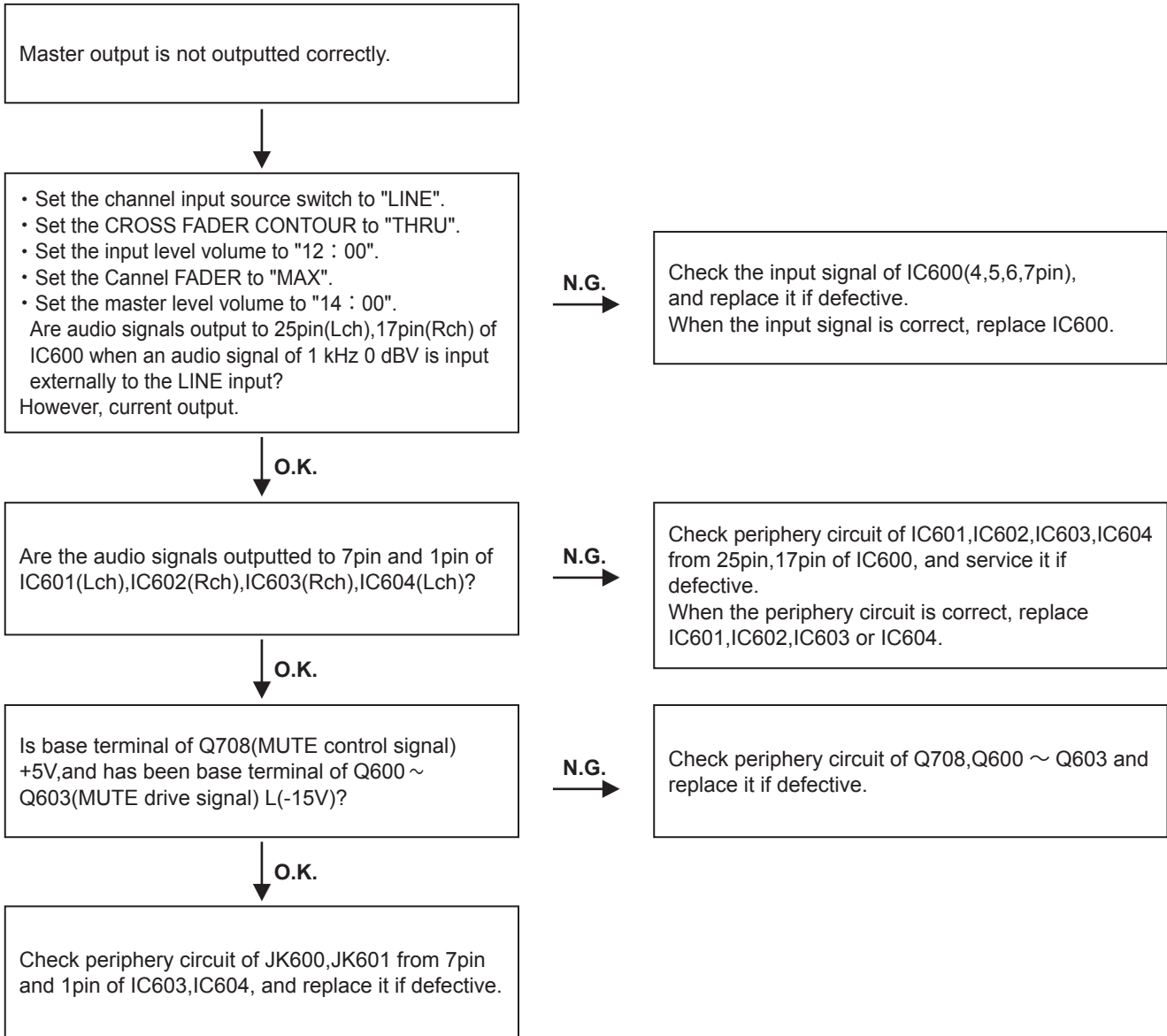
**FLOW CHART No.9 (405-MC6000-2782 : CONTROL UNIT)**



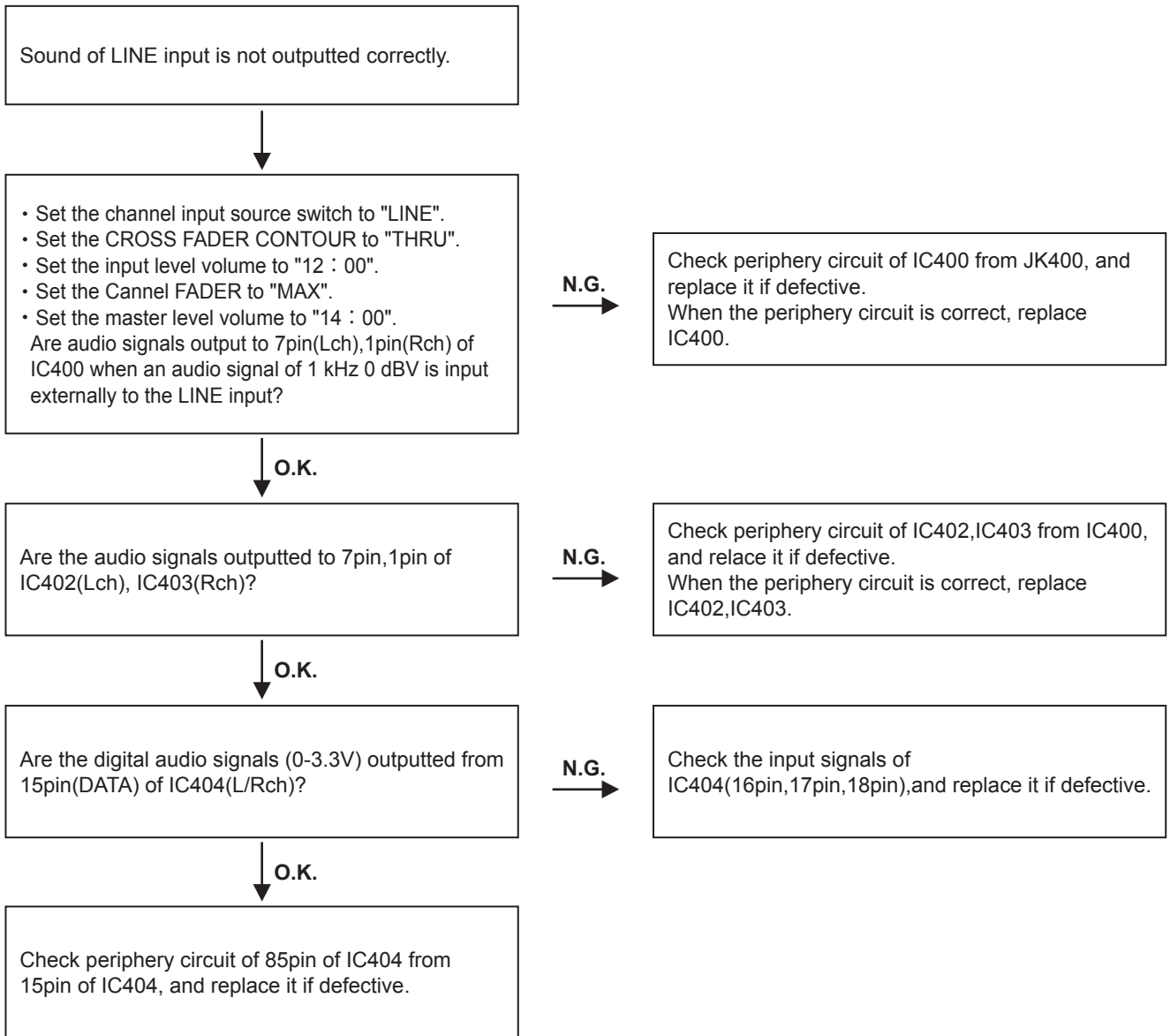
**FLOW CHART No.10 (405-MC6000-2782 : CONTROL UNIT,405-MC6000-2784 : FRONT UNIT,  
405-MC6000-2783 : I/O UNIT)**



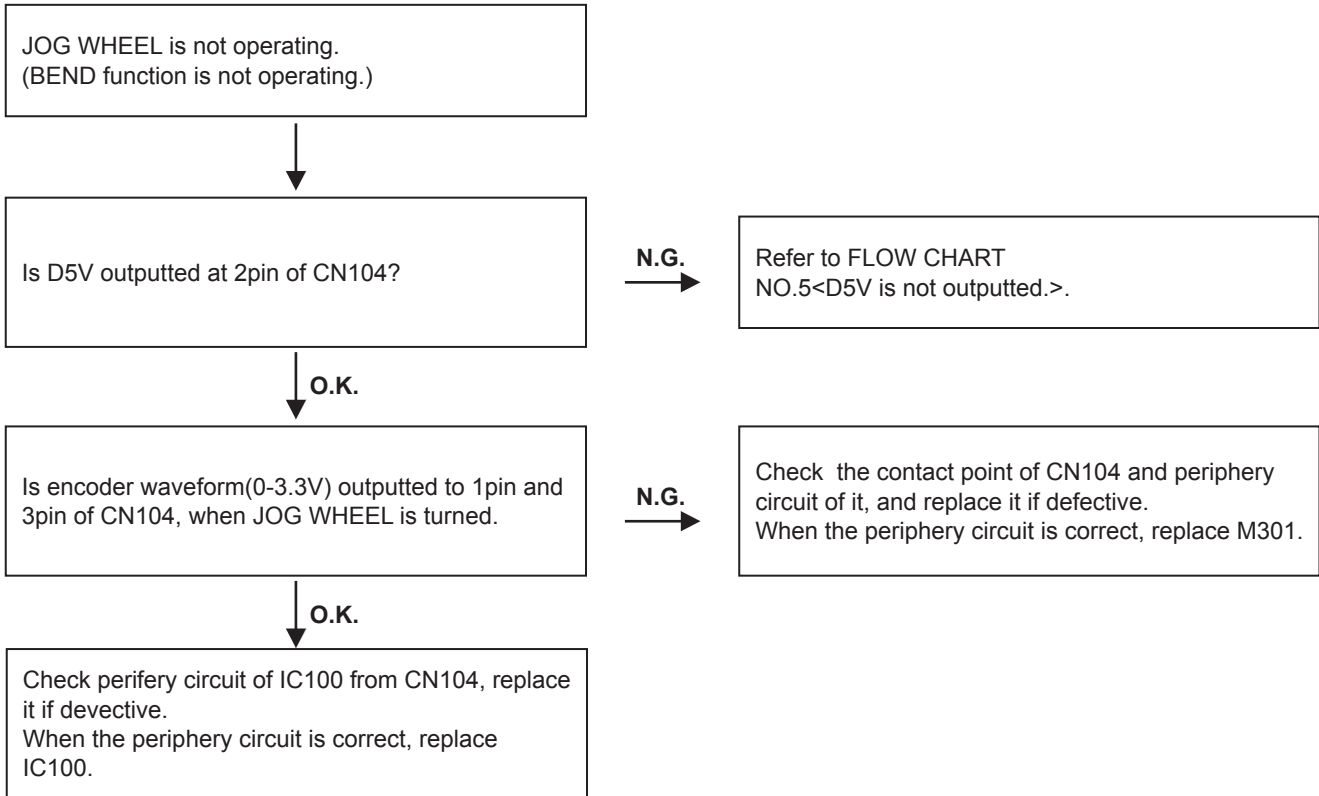
**FLOW CHART No.11 (405-MC6000-2783 : I/O UNIT)**



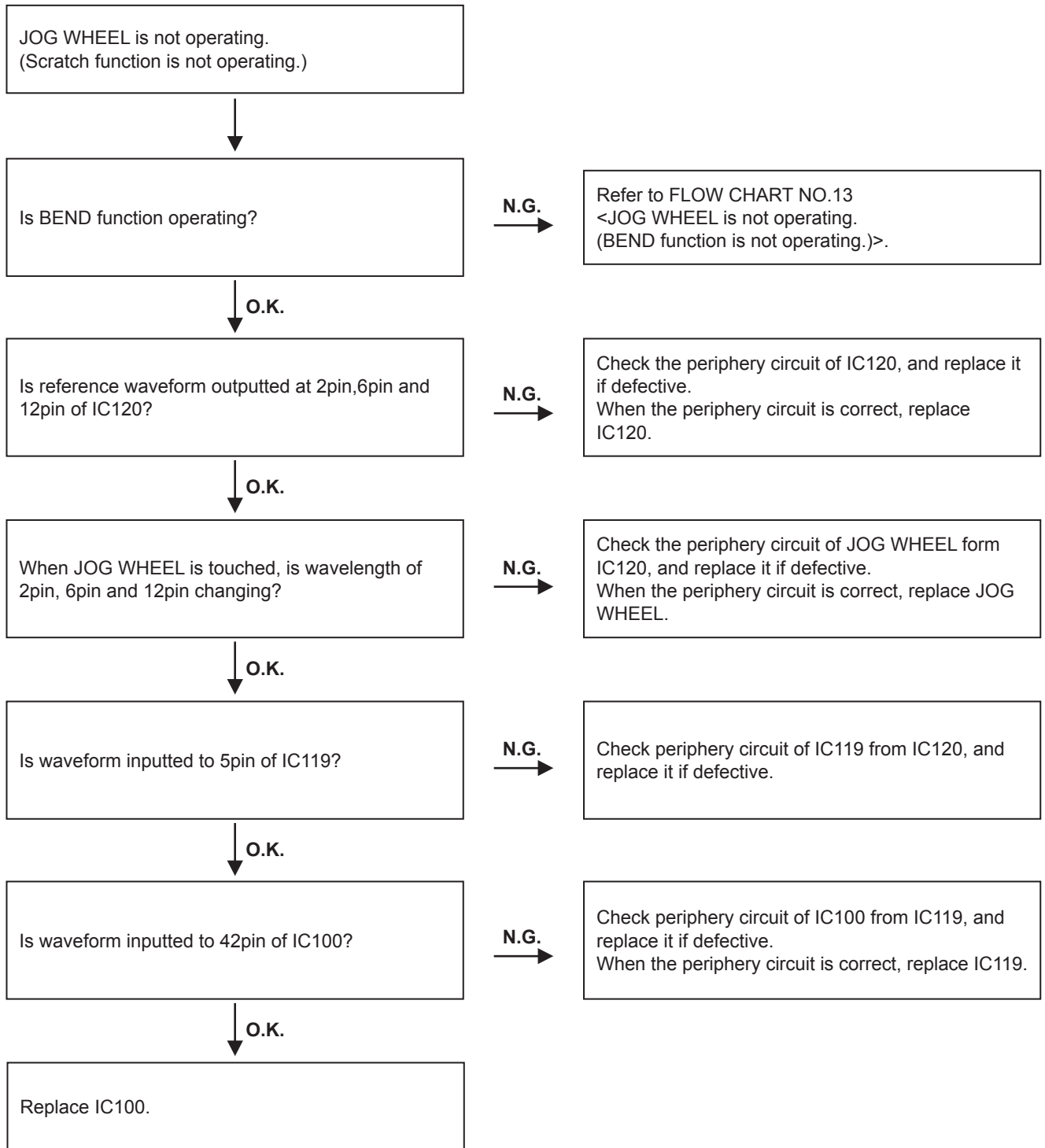
**FLOW CHART No.12 (405-MC6000-2783 : I/O UNIT)**



**FLOW CHART No.13 (405-MC6000-2782 : CONTROL UNIT)**



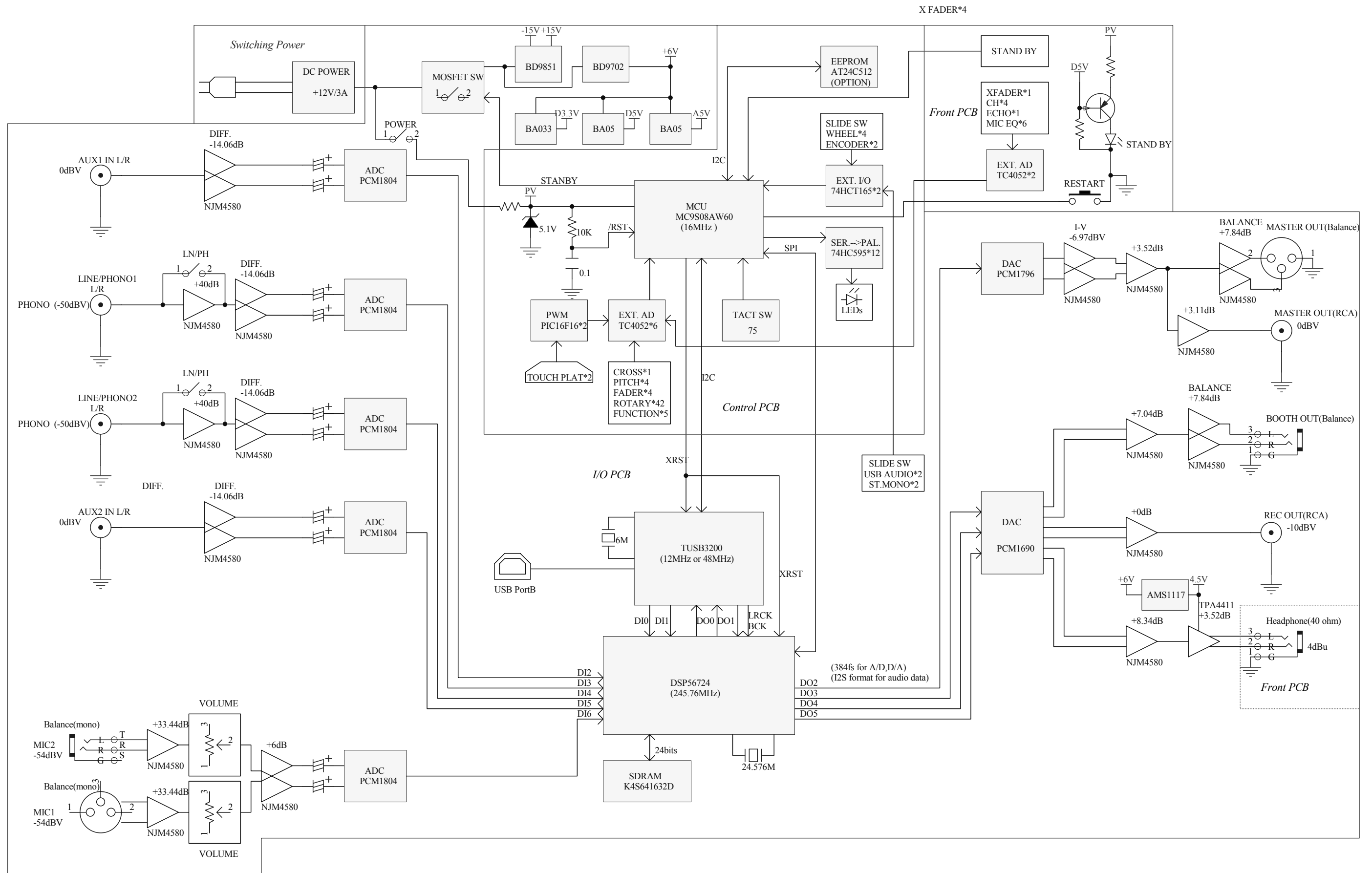
**FLOW CHART No.14 (405-MC6000-2782 : CONTROL UNIT)**







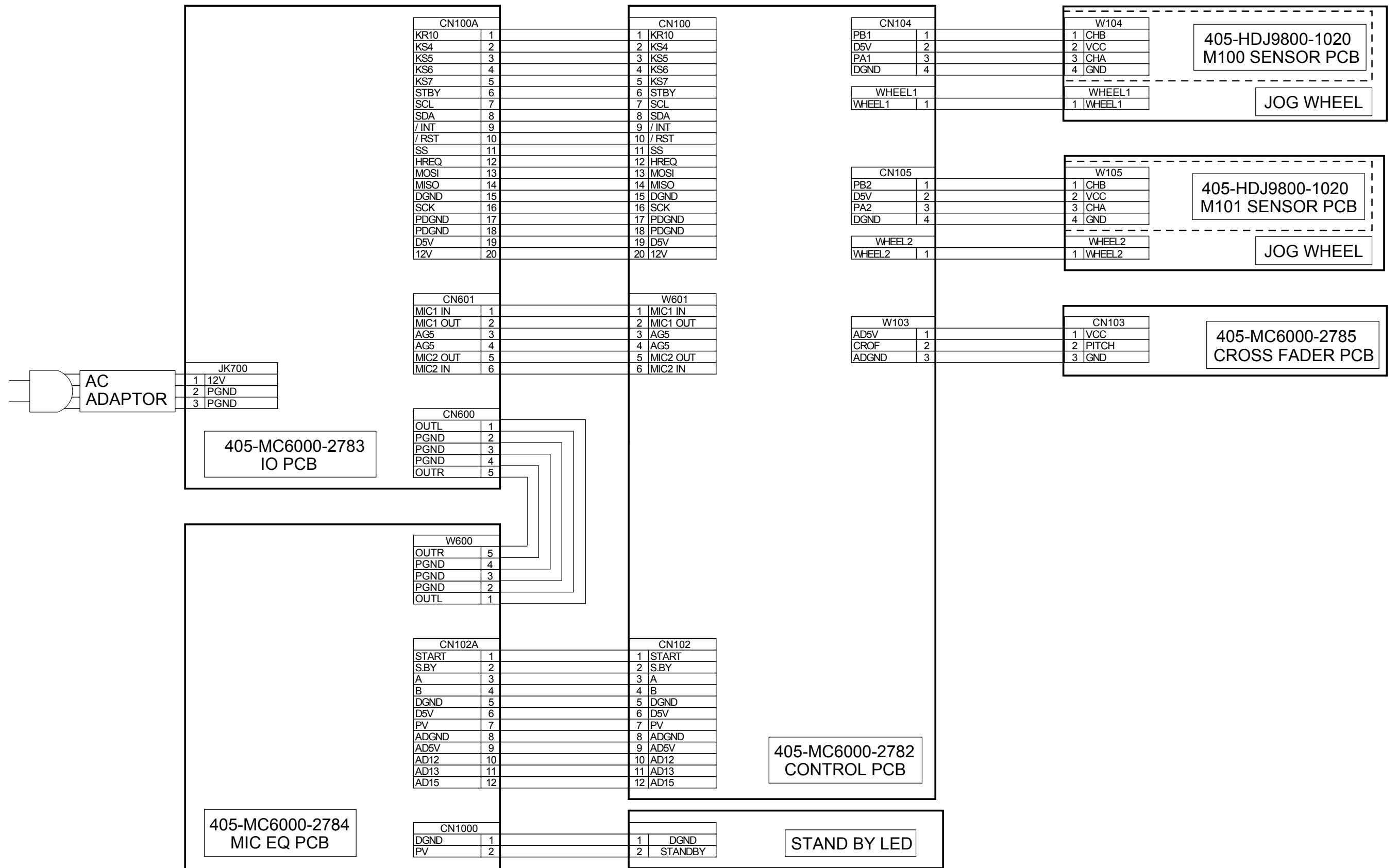
# BLOCK DIAGRAM



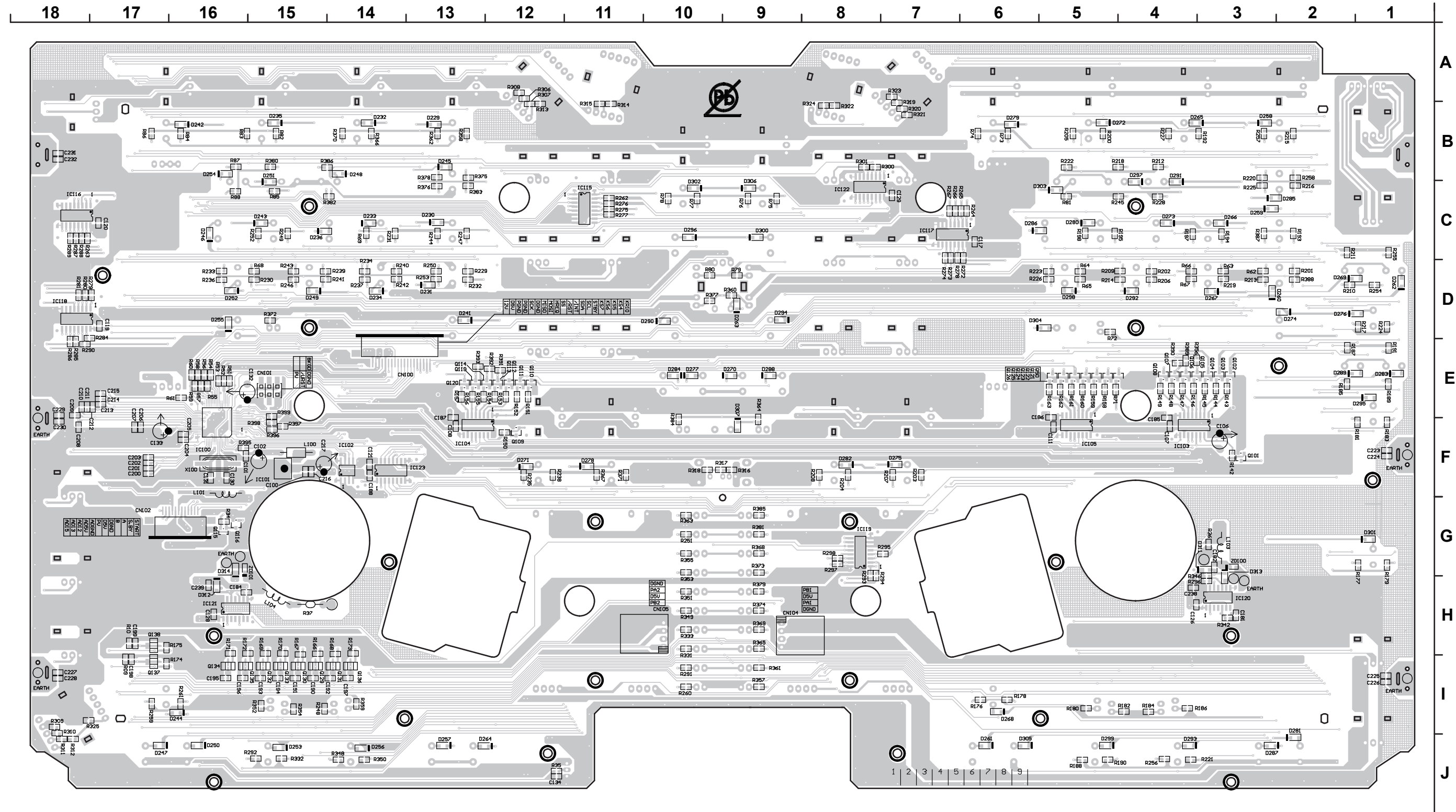


WIRING DIAGRAM

DN-MC6000 WIRING DIAGRAM

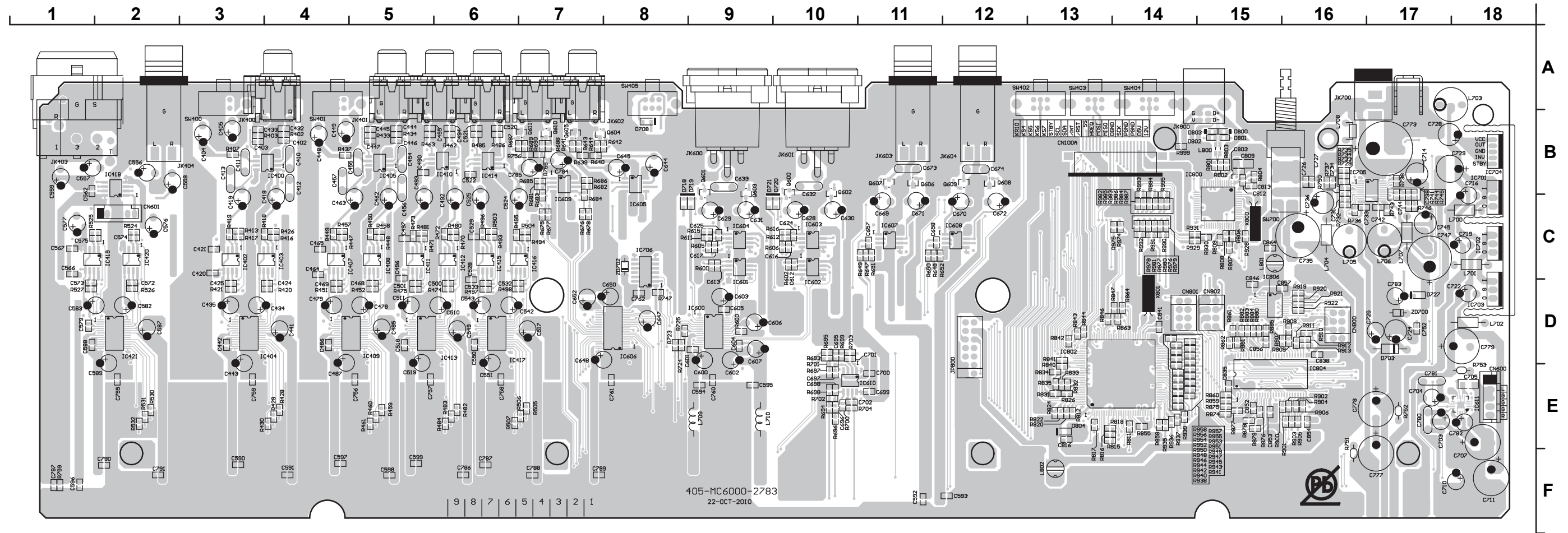




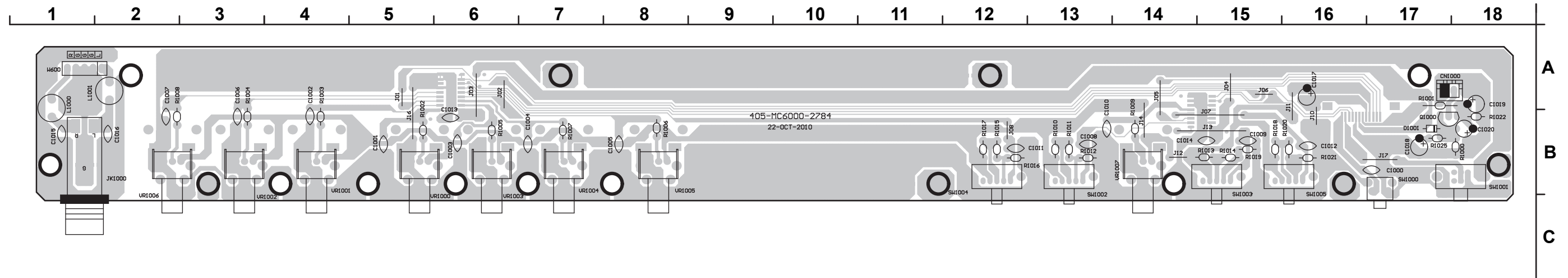


**鉛フリー半田**  
 半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
 When soldering, use the Lead-free Solder (Sn-Ag-Cu).

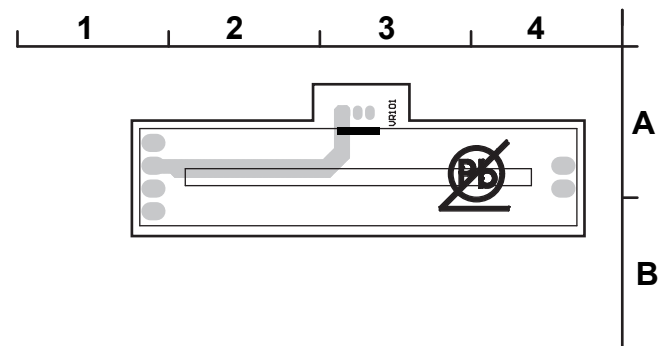
IO UNIT (COMPONENT SIDE)



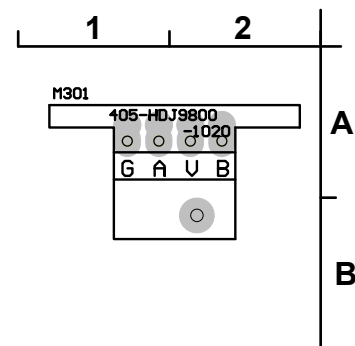
MIC EQ UNIT (COMPONENT SIDE)



CROSS FADER UNIT (COMPONENT SIDE)



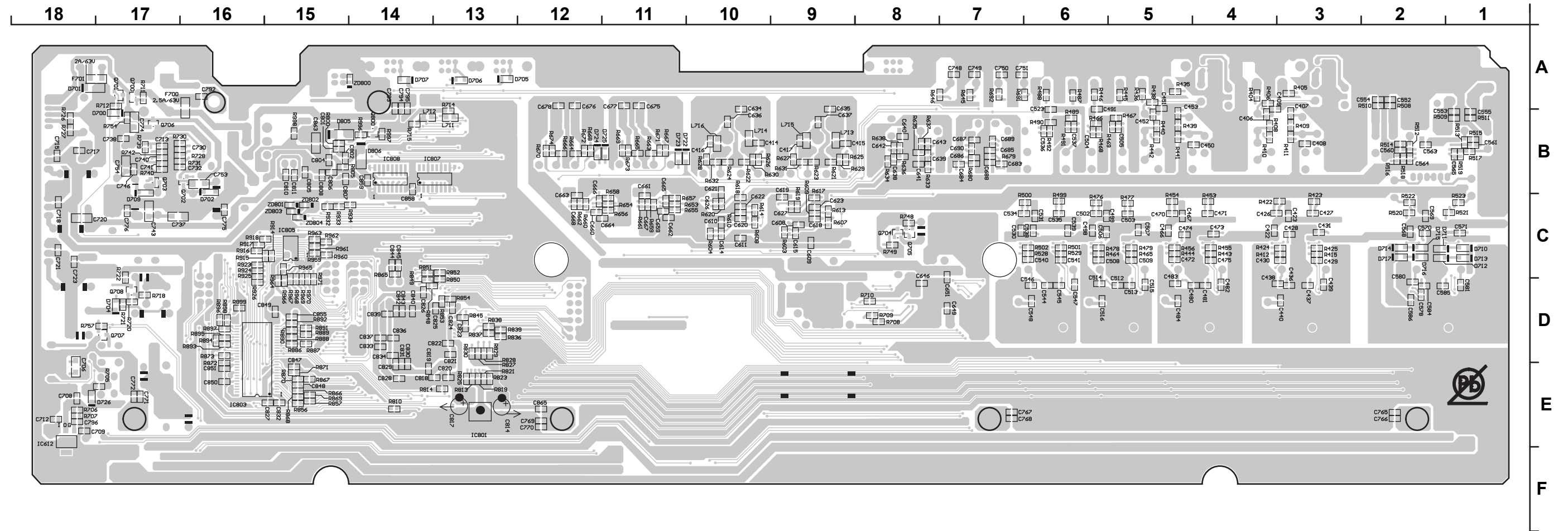
SENSOR UNIT (COMPONENT SIDE)



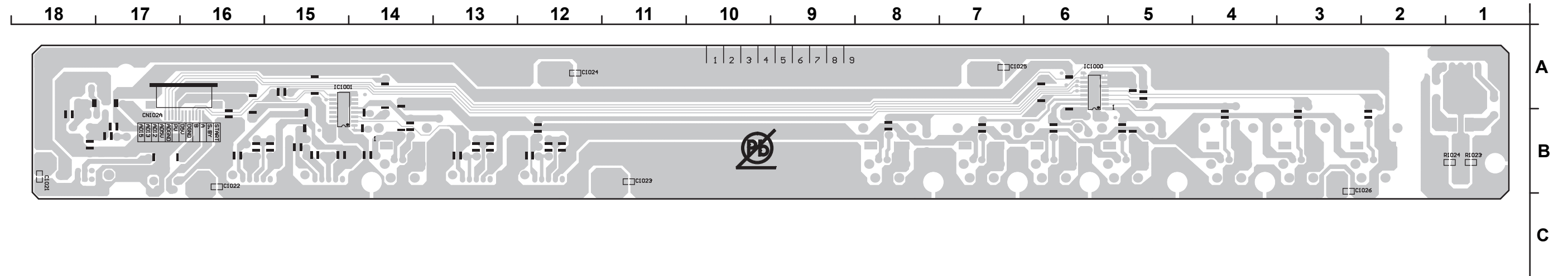
**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

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

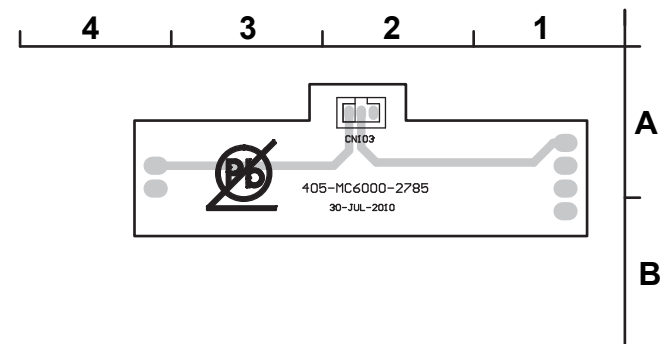
IO UNIT (FOIL SIDE)



MIC EQ UNIT (FOIL SIDE)

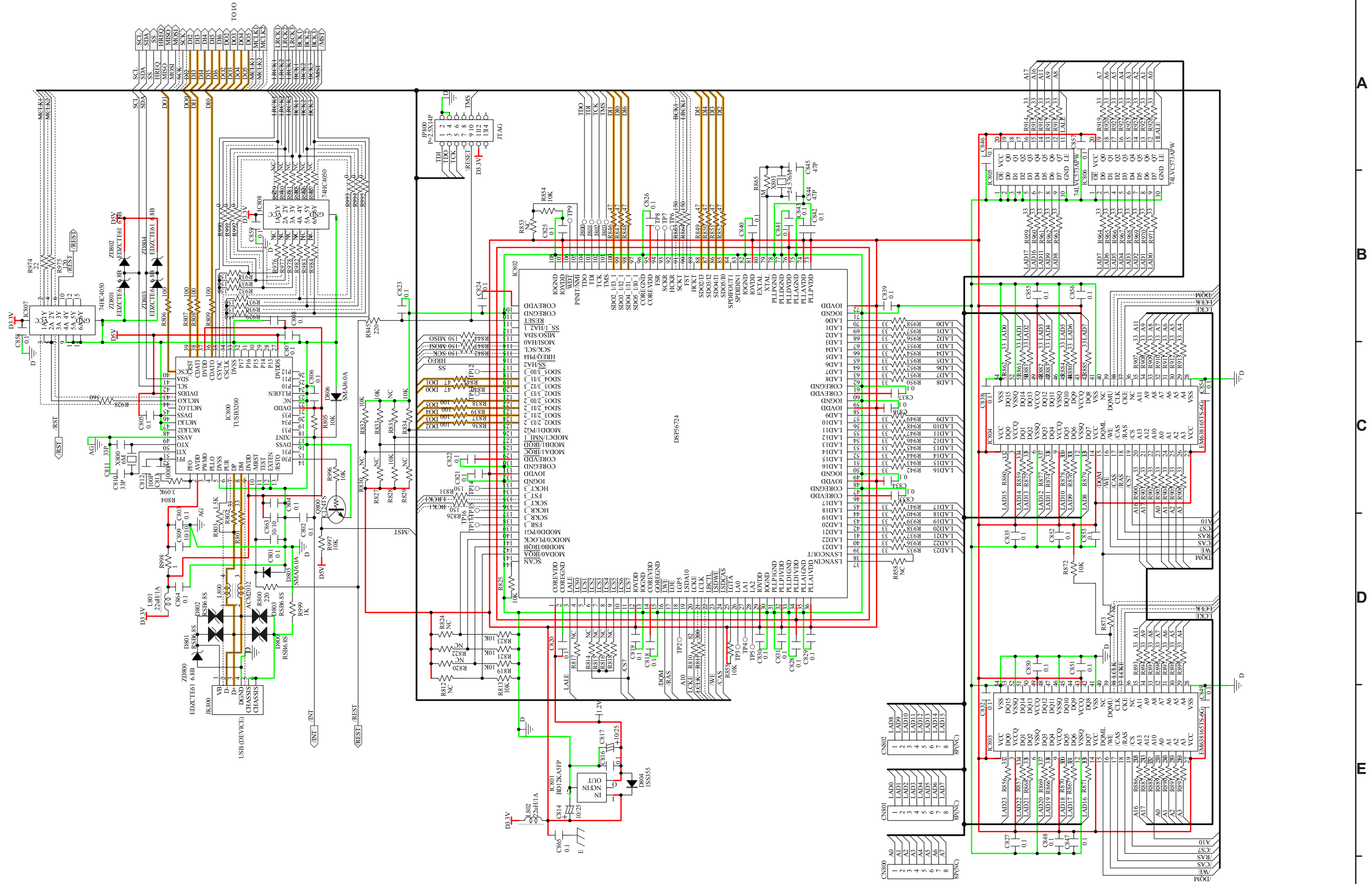


CROSS FADER UNIT (FOIL SIDE)



**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

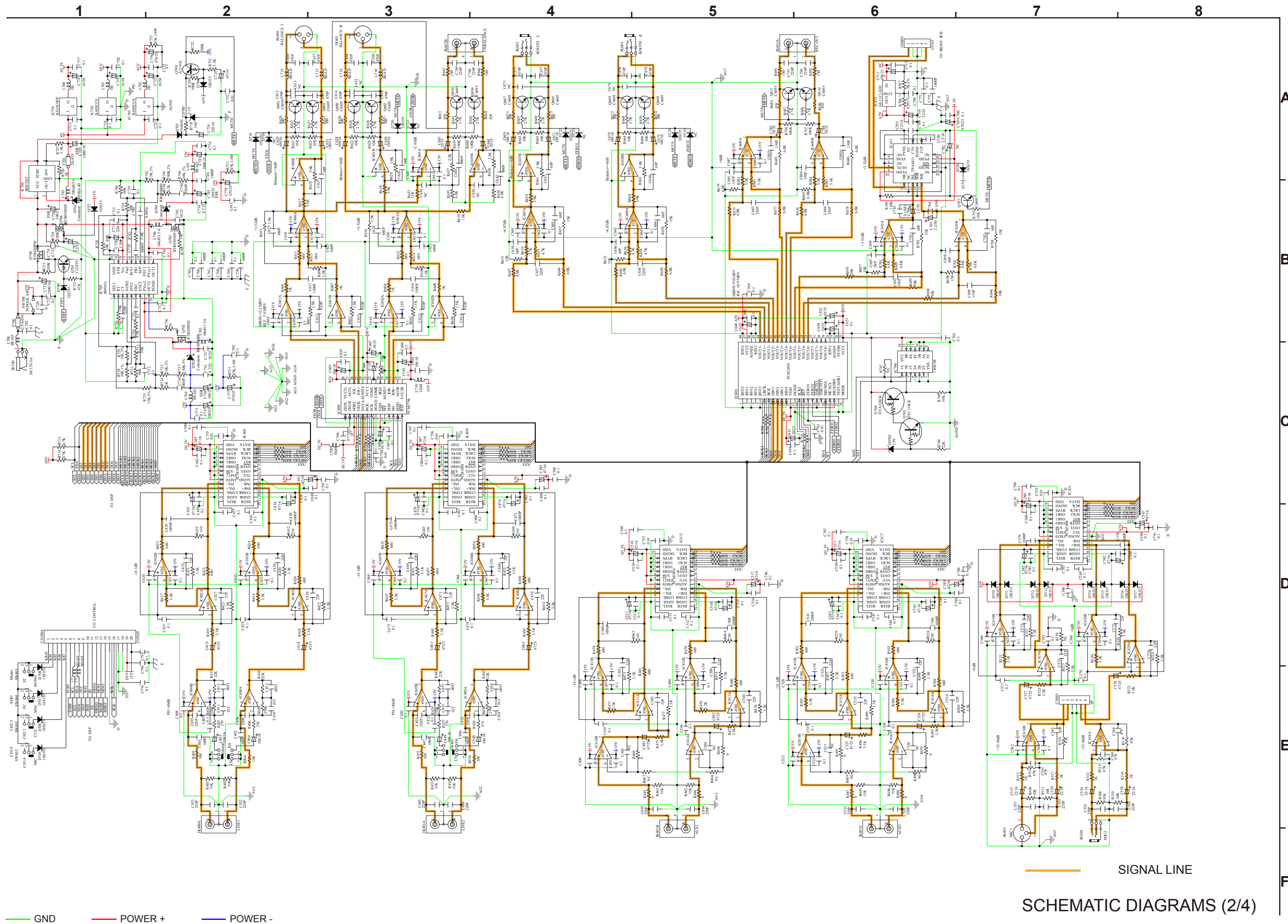
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

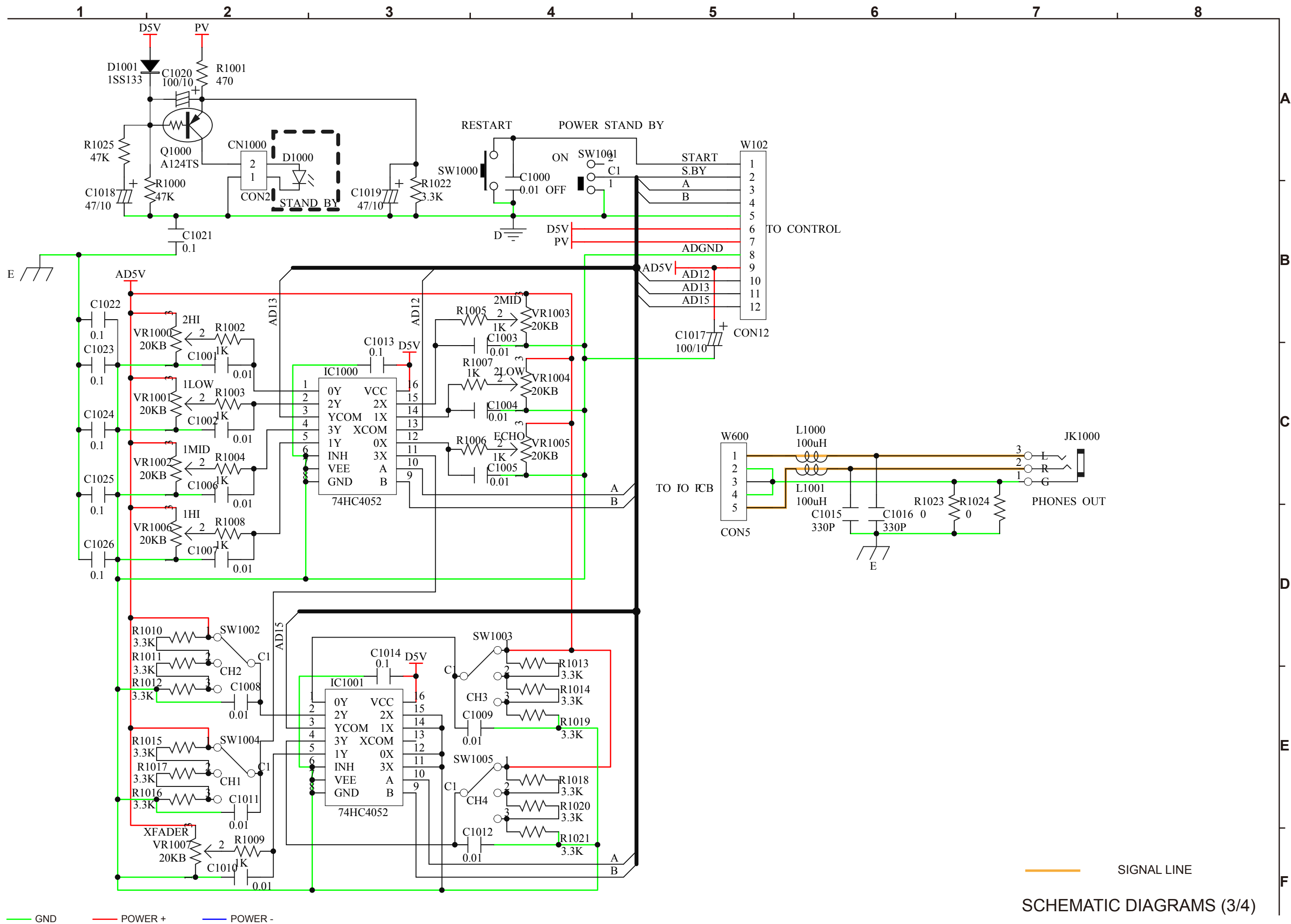


SIGNAL LINE  
 SCHEMATIC DIAGRAMS (1/4)

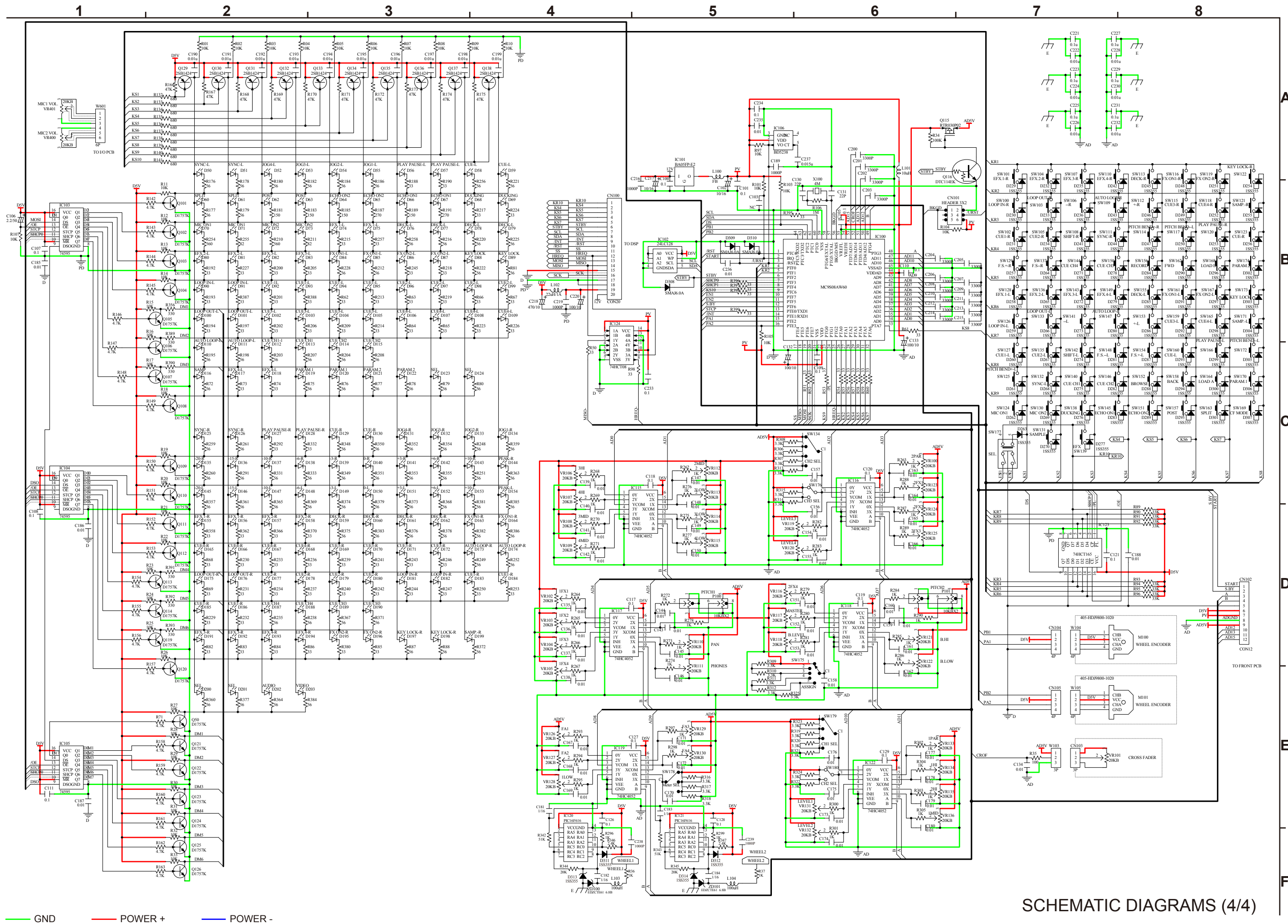
GND POWER + POWER -







SCHMATIC DIAGRAMS (3/4)

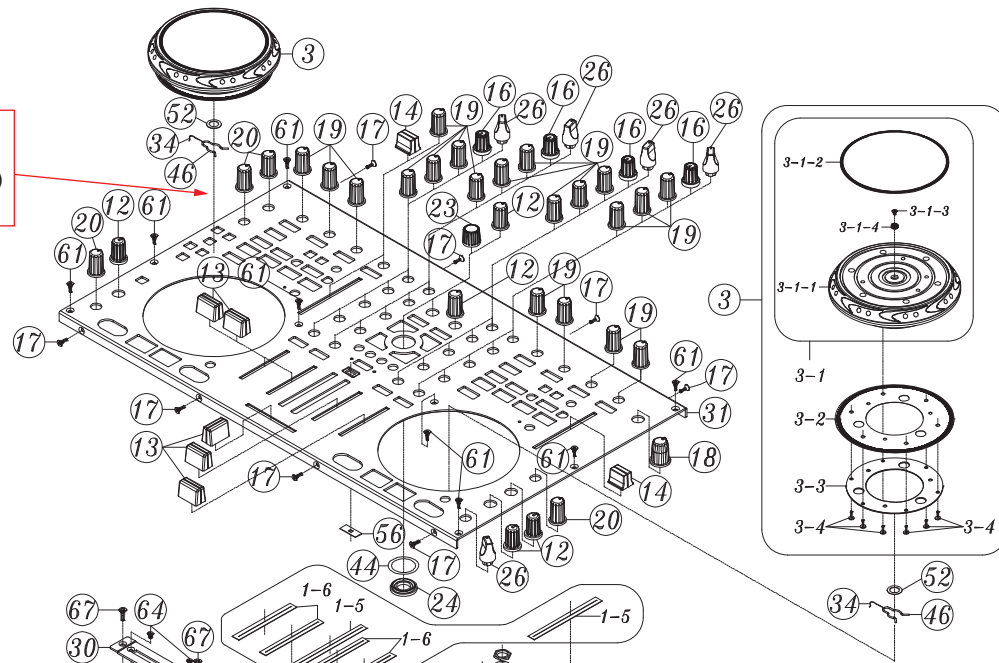


SCHEMATIC DIAGRAMS (4/4)

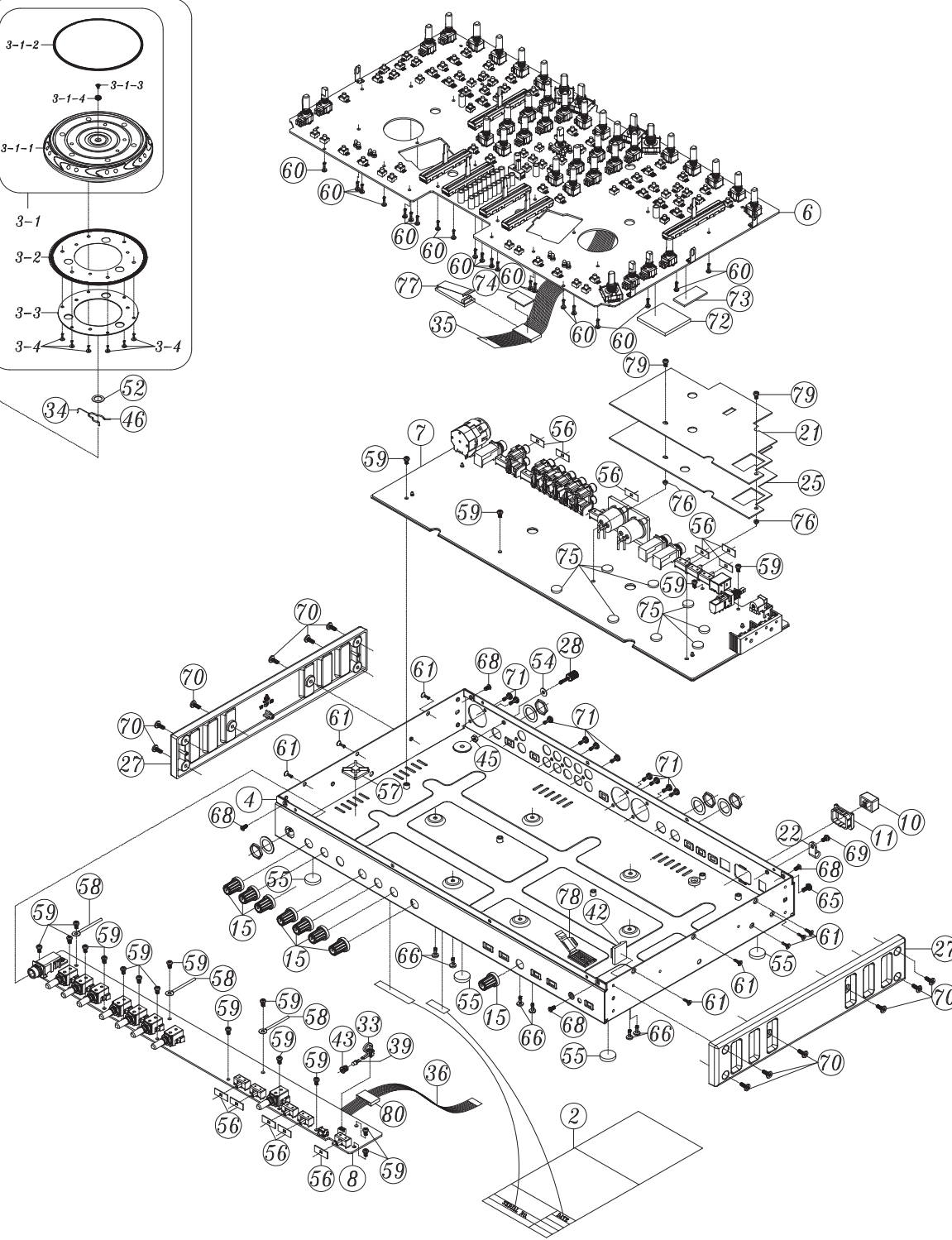
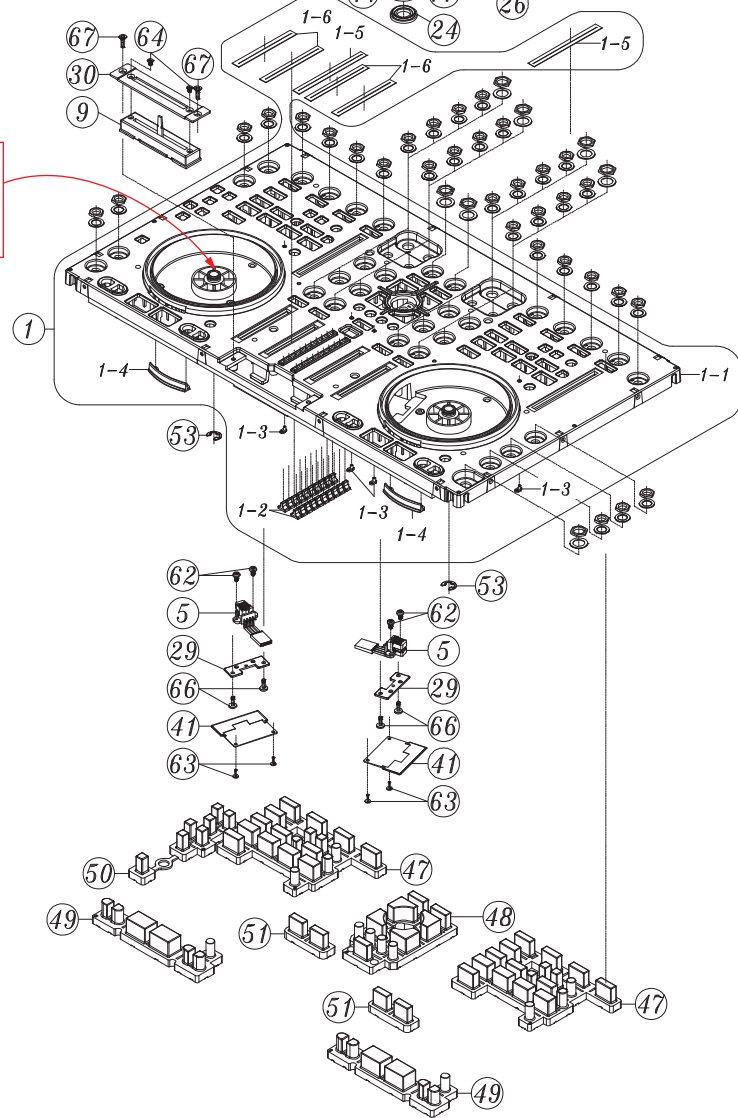
— GND — POWER + — POWER -


# EXPLODED VIEW

Grease (20mg)  
 Product name:RS PASTE  
 Maker:DAIZO corporation(Nichimoly)  
 Shaft all area\*2



Grease (16mg)  
 Product name:RS PASTE  
 Maker:DAIZO corporation(Nichimoly)  
 Circle for hole\*2



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

# PARTS LIST OF EXPLODED VIEW

\*Parts for which "nsp" is indicated on this table cannot be supplied.

\*P.W.B. ASS'Y for which "nsp" is indicated on this table cannot be supplied. When repairing the P.W.B. ASS'Y, check the board parts table and order replacement parts.

\*Parts indicated by the "★" mark are not illustrated in the exploded view.

\*The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

**Note:** The symbols in the column "Remarks" indicate the following destinations.

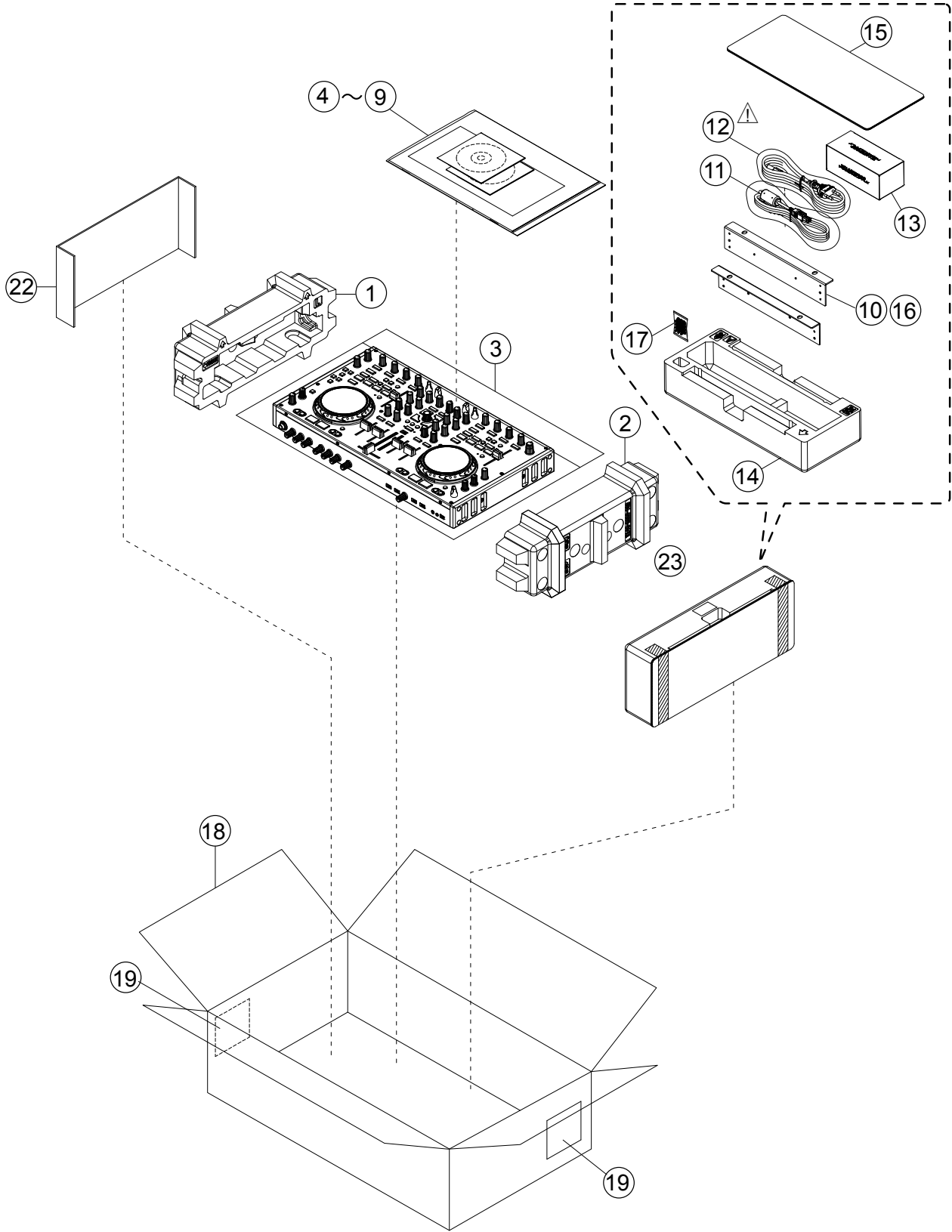
E3 : U.S.A. & Canada model

E2 : Europe model

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
1	941443005070P	CHASSIS & LED LIDS & CLOTH ASSY		701-6000-4988	1	*
1-1	nsp	CHASSIS ASS'Y		701-6000-4887	1	*
1-2	nsp	LED LENS		100-1100-2605	20	
1-3	nsp	LED LENS		100-700-2680	4	
1-4	nsp	JACKET COVER		100-2000-2775	2	
1-5	nsp	CUSHION(75*7*0.3t,BLACK)		612-IMR-295	2	*
1-6	nsp	CUSHION(64*7*0.3t,BLACK)		612-IM-296	4	*
2	nsp	BAR CODE (86*209mm,t=0.1mm)	E2	701-MC6000E2-4916	1	
2	nsp	BAR CODE (86*209mm,t=0.1mm)	E3	701-MC6000E3-4916	1	
3	nsp	WHEEL ASS'Y		701-2000-4922	2	
3-1	941412004120P	WHEEL & PLATE ASS'Y		701-SC2000-4942	2	
3-1-1	nsp	WHEEL & SHAFT ASS'Y		701-2000-4815	2	
3-1-2	nsp	WHEEL PLATE		300-2000-1833	2	
3-1-3	nsp	SCWER(SAE1018,STS,2.0*3)		602-STS2003-677	2	
3-1-4	nsp	SPRING(SUS304, φ 0.3,L=6)		603-M1-384	2	
3-2	941483004110P	ENCODER PLATE		300-PROS2-848	2	
3-3	nsp	ENCODER FIXED PLATE		300-PROS2-851	2	
3-4	nsp	SCREW(PTB, φ 2*L6)		602-PROS2-363	12	
4	nsp	BASE ASS'Y		703-6000-1311	1	*
5	nsp	SENSOR PCB ASS'Y		704-9800-4687	2	
6	nsp	CONTROL PCB ASS'Y		704-6000-9561	1	*
7	941639100030P	704-6000-9562 IO PCB ASSY DNMC6000		704-6000-9562	1	*
8	nsp	MIC EQ PCB ASS'Y		704-6000-9563	1	*
9	nsp	CROS FADER PCB ASS'Y		704-6000-9603	1	*
10	00D9410057301	POWER KNOB		100-HDJ2000-1641	1	*
11	90M09CW259020	KNOB PROTECTOR		100-HDJ2000-1642	1	*
12	00D9587012907	ROTARY KNOB(ABS,BLACK)		100-300-2226	5	*
13	00D9587013401	PUSH KNOB		100-300-2231	5	*
14	941412005080P	PUSH KNOB(MIDDLE)		100-UDJ3EB-2213	2	*
15	00D9587045709	ROTARY KNOB(ABS)		100-900-2298	8	*
16	941412005090P	ROTARY KNOB(ABS)		100-6000-2298	4	*
17	nsp	SCREW( φ 2.6,L=8)		602-BTB2608-708B	8	
18	412510031005P	ROTARY KNOB		100-1100-2633	1	*
19	412510032008P	ROTARY KNOB		100-1100-2634	20	*
20	941412005100P	ROTARY KNOB		100-6000-2634	4	*
21	nsp	SEPARATE BOARD(Fe)		300-6000-1890	1	*
22	nsp	CABLE CLAMP(PC-1S)		100-K1-2682	1	
23	941412003130P	JOG TUNING KNOB		100-1000S-2736	1	
24	941423004040S	JACKET RING		100-2000-2774	1	
25	nsp	SEPARATE PATE		501-6000-2412	1	*
26	941412005110P	ROTARY KNOB(ABS,BLACK)		100-6000-2796	5	*
27	941404005120P	SIDE COVER		100-6000-2798	2	*
28	nsp	GROUND PIN		200-DJ100-231	1	
29	nsp	SENSOR FIXED PLATE(SECC,1.2t)		300-HDJ9800-981	2	
30	nsp	FIXED PLATE FOR SLIDE VR(SECC,1.5t)		300-100-1167	1	*
31	941403005130P	TOP PANEL		300-6000-1857	1	*
33	nsp	2P 2.5 CONNECTOR WIRE(L=30mm,AWM1007,AWG26)		404-X120-2832	1	
34	nsp	1P LEAD WIRE(L=50mm,AWM1007 AWG26,BLACK)		406-HDJ2100-414	2	
35	941606005200P	20P 1.0 RIBBON WIRE & CODE ASS'Y		704-MC6000-9734	1	*
36	90M-YU002200R	12P 1.0 FFC WIER(L=140mm,+/-)		406-4001-836	1	*
39	00D9587051706	LED(RED,LTL-16KE, φ 3)		410-CD6000-122	1	*
41	nsp	DUST-PROOF SLICE		501-HDJ9800-1648	2	
42	nsp	WIRE MOUNT(FW-2-3M,WHITE)		504-ST100-118	1	
43	nsp	LED HOUSING(CLED-3CN2B,BLACK,L=5.6)		504-X120-225	1	
44	nsp	TWIN ADHESIVE		508-2000-110	1	
45	nsp	NUT(M3*P0.5)		601-A100-004	1	
46	nsp	PULLEY SPRING		603-PROS2-256A	2	
47	941411003870P	EFX SOFT KNOB		604-6000-553	2	*

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
48	941411003880P	MIXER SOFT KNOB		604-6000-554	1	*
49	941411003890P	PLAY/CUE SOFT KNOB		604-6000-555	2	*
50	941411003900P	MIC SOFT KNOB		604-6000-556	1	*
51	941411003910P	CUE SOFT KNOB		604-6000-557	2	*
52	nsp	PULLEY WASHER( $\phi$ 11.6*76*0.25t)		606-F200-003	2	
53	nsp	E RING		606-DJ3000-105	2	
54	nsp	WASHER( $\phi$ 8*3.2*1t,NI)		606-Q2221-122	1	
55	nsp	FOOT(PORON,BLACK, $\phi$ 15*3t)		612-HV3500K-055	4	
56	nsp	CUSHION(17*7*0.5t,BLACK)		612-900-219	12	*
57	nsp	ADHESIVE BACKED MOUNT(AB-2-NQW2)		504-HDJ7000-032	1	
58	nsp	WINDING FIXTURE(SPTE t=0.3 WC-1A)		300-HM510B-224	3	
59	nsp	SCREW(3*5 P=0.5)		602-B300-041	19	
60	nsp	SCREW(SAE1018,PTP,M2.6*L8)		602-SL24F-099	21	
61	nsp	SCREW( $\phi$ 5,L=8)		602-HP1010K-182	16	
62	nsp	SCREW(SAE1018,ISOP,M3*5L*P0.5)		602-MP3-324	4	
63	nsp	SCREW(PTB, $\phi$ 2*L6)		602-PROS2-363	4	
64	nsp	SCREW(SAE1018,ISOF, $\phi$ 3*L4*P0.5)		602-SA12-414	2	
65	nsp	SCREW(STB,3*8,ZB)		602-DCM280-429	1	
66	nsp	SCREW(SAE1018,PTB, $\phi$ 3*L8)		602-DJ5500-452	10	
67	nsp	SCREW(SAE1018,PTF,M3*L10*P1.27)		602-PTF3010-585	2	
68	nsp	SCREW(M3*6)		602-CTF3006-642B	4	
69	nsp	SCREW(SAE1018,WISO,M3*6,CAP $\phi$ 6)		602-WISO3006-652B	1	
70	nsp	SCREW(ISOK,3*8)		602-ISOK3008-705B	12	*
71	nsp	SCREW(BTB,3*8)		602-BTB3008-706B	10	
72	nsp	CUSHION(EVA,30*30*1.5t)		612-MC6000-391	1	
73	nsp	CUSHION(EVA,BLACK,35*15*1.5t)		612-390-234	1	
74	nsp	SPACER		612-390-235	1	
75	nsp	FOOT PAD		612-SPINU2-312	8	
76	nsp	TRANSISTOR WASHER(NYLON)		606-HPA1800-214	2	
77	nsp	STRAIN RELIEF BUSHING(FCW-29-NQW )		504-MC6000-275	1	*
78	nsp	STRAIN RELIEF BUSHING(FCM-31-NQW)		504-MC6000-276	1	*
79	nsp	SCREW(ISOB,3*8*P0.5,NI)		602-SA12-380	2	
80	nsp	CORE(K5B-FS-18*5*8-1.0)		415-MC6000-360	1	

PACKING VIEW



# PARTS LIST OF PACKING VIEW

\* Parts for which "nsp" is indicated on this table cannot be supplied.

\* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

**Note:** The symbols in the column "Remarks" indicate the following destinations.

E3 : U.S.A. & Canada model

E2 : Europe model

Ref. No.	Part No.	Part Name	Remarks		Q'ty	New	
1	941533005140P	POLYFOAM L		506-6000-601L	1	*	
2	941533005150P	POLYFOAM R		506-6000-601R	1	*	
3	nsp	SOFT BAG		509-6000-289	1		
4	352010013001P	INST.MANUAL(CD-ROM)		429-DMC6000-090	1	*	
5	941353100070P	TRAKTOR LE2	E2	429-MC6000-120	1	*	
5	941352101160P	VIRTUAL DJ (DISC)	E3	429-MC6000E3-093	1	*	
6	541110560009P	INST MANUAL DNMC6000		502-DMC6000-3038	1	*	
7	941543004330P	DN-MC6000 QUICK GUIDE		502-DMC6000-3045	1	*	
8	nsp	WARRANTY CARD ( ENGLISH )	E3	502-100E3-1772A	1		
9	nsp	PE BAG(240*340mm)		505-DJ2500H-014	1		
10	941404005160P	SIDE RACK		300-6000-1860	2	*	
11	nsp	USB CABLE(L=1500mm)		408-100UG-087	1	*	
11	nsp	POLYBAG(120*250mm)		505-HM500A-049	1	*	
△	12	00D9410044204	AC POWER CORD(L=1900mm,VDE TYPE)	E2	409-DJ2-070A	1	*
△	12	941611005190P	AC CORD(L=1900mm,2P UL(SP-12)/2P 180°(IS-037))	E3	409-MC6000-213	1	*
13	941693003780P	SWITCHING POWER(DC12V,3A)		411-MC6000-817	1	*	
14	nsp	POLYFOAM		506-6000-601A	1	*	
15	nsp	PASTEBOARD		507-6000-3221	1	*	
16	nsp	SOFT SHEET		509-6000-288	2	*	
17	nsp	SCREW(ISOK,3*8)		602-ISOK3008-705B	12	*	
17	nsp	POLYBAG(PE,35*50mm)		505-S15-117	1		
18	941531005180P	GIFT BOX & GIFT BOX LABEL ASSY	E2	507-6000-3220	1	*	
18	941531005170P	GIFT BOX	E3	507-6000E3-3220	1	*	
19	nsp	BAR CODE(86*209mm,t=0.1mm)	E2	701-MC6000E2-4916	1	*	
19	nsp	BAR CODE(86*209mm,t=0.1mm)	E3	701-MC6000E3-4916	1	*	
22	nsp	PASTE BOARD		507-6000-3229	1	*	
23	nsp	APPENDAGE LABEL		501-BJ2300E-1190	1	*	

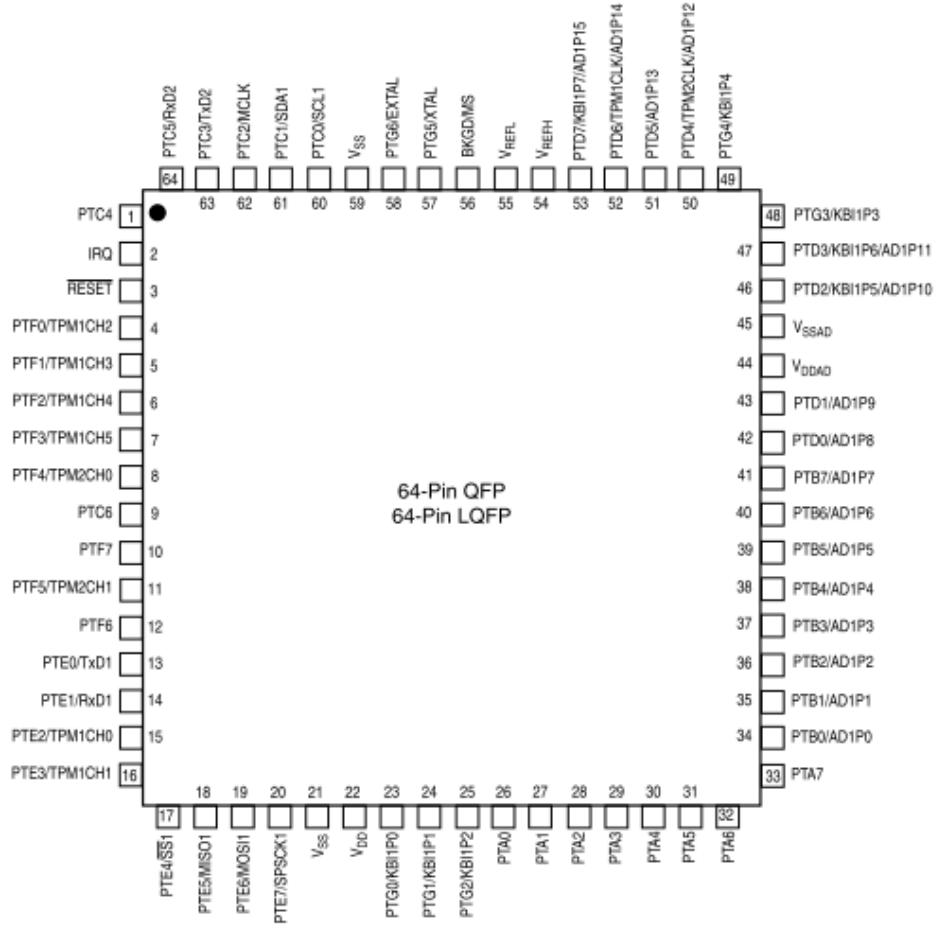


# SEMICONDUCTORS

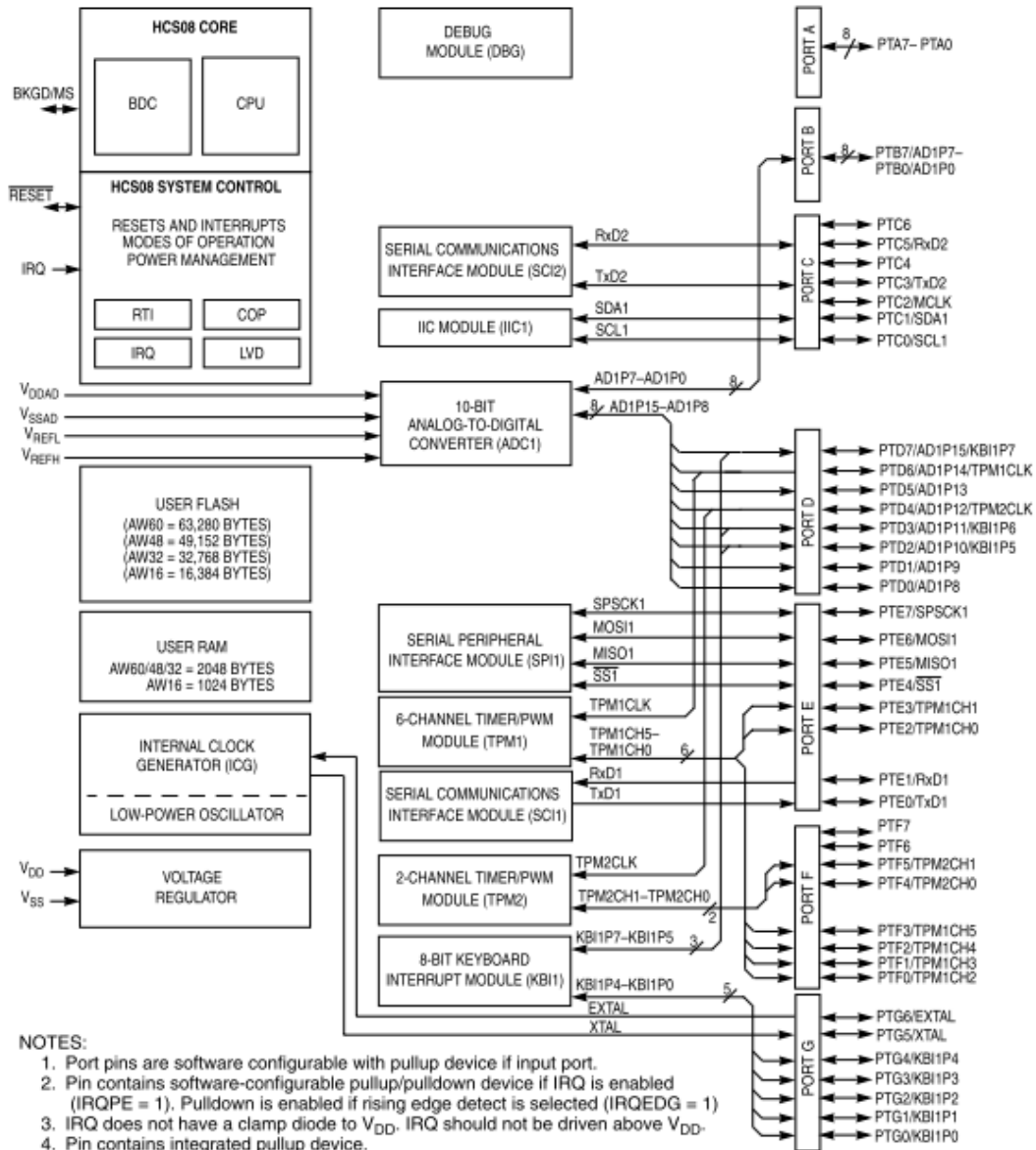
Only major semiconductors are shown, general semiconductors etc. are omitted to list.  
 The semiconductor which described a detailed drawing in a schematic diagram are omitted to list.

## 1. IC's

### MC9S08AW60 (CONTROL: IC100)



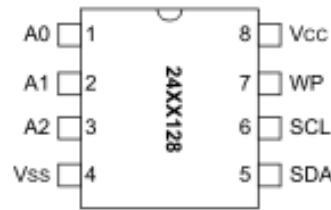
# MC9S08AW60 Block Diagram



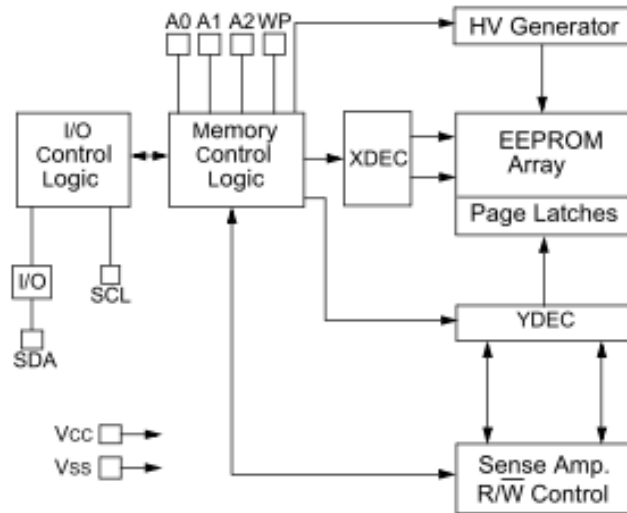
**NOTES:**

1. Port pins are software configurable with pullup device if input port.
2. Pin contains software-configurable pullup/pulldown device if IRQ is enabled (IRQPE = 1). Pulldown is enabled if rising edge detect is selected (IRQEDG = 1)
3. IRQ does not have a clamp diode to V<sub>DD</sub>. IRQ should not be driven above V<sub>DD</sub>.
4. Pin contains integrated pullup device.
5. Pins PTD7, PTD3, PTD2, and PTG4 contain both pullup and pulldown devices. Pulldown enabled when KBI is enabled (KBIPE<sub>n</sub> = 1) and rising edge is selected (KBEDG<sub>n</sub> = 1).

## 24LC128 (CONTROL: IC101)



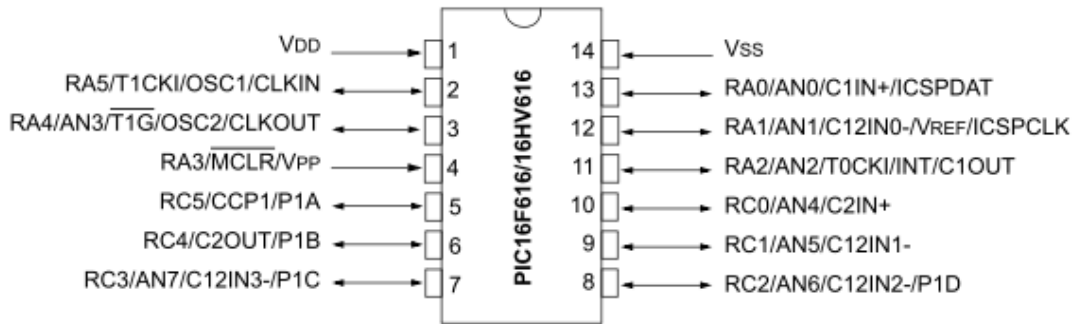
## 24LC128 Block diagram



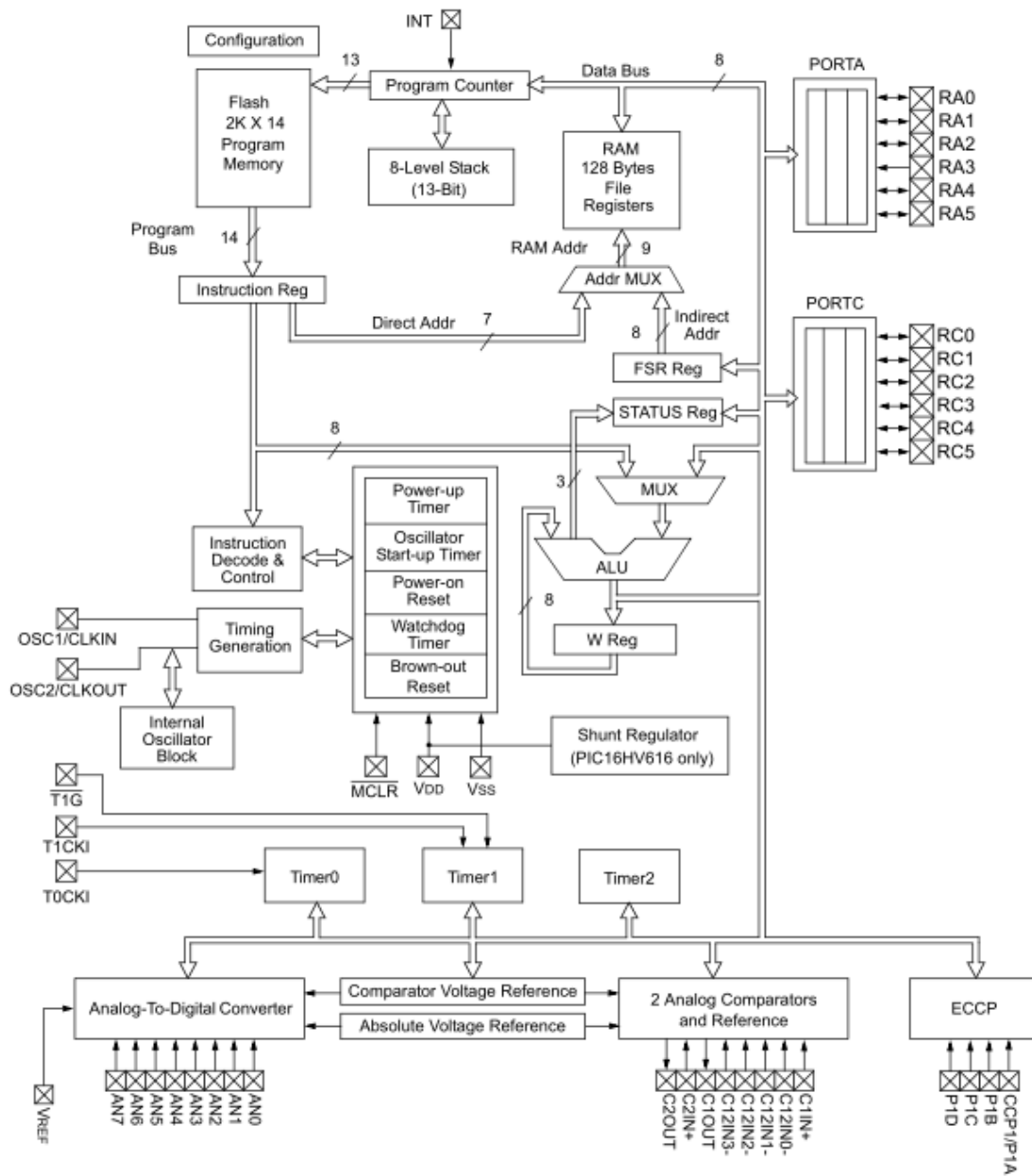
## 24LC128 Pin Function

Name	8-pin PDIP	8-pin SOIC	8-pin TSSOP	14-pin TSSOP	8-pin MSOP	8-pin DFN	Function
A0	1	1	1	1	—	1	User Configurable Chip Select
A1	2	2	2	2	—	2	User Configurable Chip Select
(NC)	—	—	—	3, 4, 5	1, 2	—	Not Connected
A2	3	3	3	6	3	3	User Configurable Chip Select
Vss	4	4	4	7	4	4	Ground
SDA	5	5	5	8	5	5	Serial Data
SCL	6	6	6	9	6	6	Serial Clock
(NC)	—	—	—	10, 11, 12	—	—	Not Connected
WP	7	7	7	13	7	7	Write-Protect Input
Vcc	8	8	8	14	8	8	+1.8V to 5.5V (24AA128) +2.5V to 5.5V (24LC128) +1.8V to 5.5V (24FC128)

**PIC16F616 (CONTROL: IC120, 121)**



**PIC16F616 Block diagram**

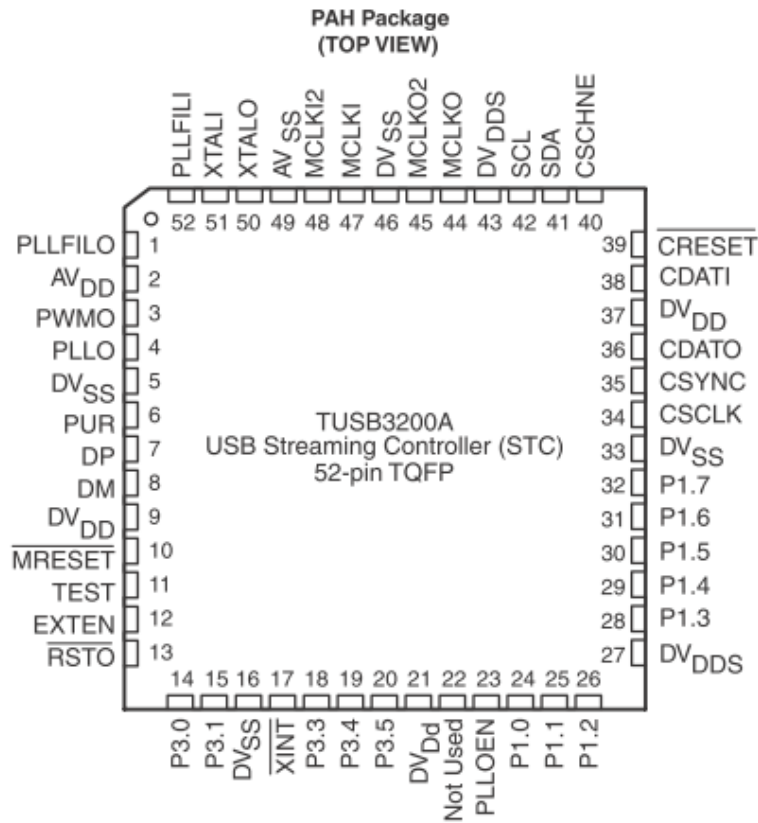


## PIC16F616 Pin Function

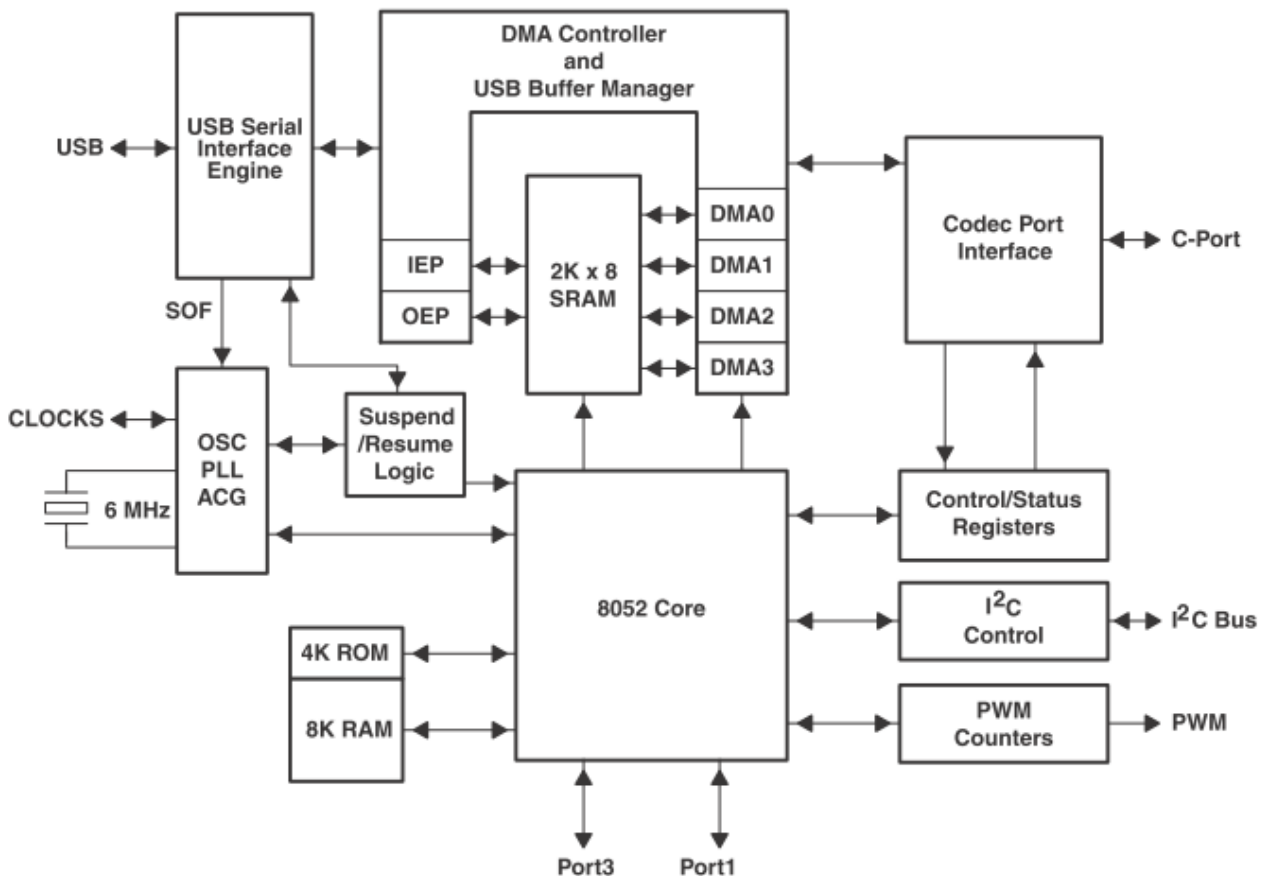
Name	Function	Input Type	Output Type	Description
RA0/AN0/C1IN+/ICSPDAT	RA0	TTL	CMOS	PORTA I/O with prog. pull-up and interrupt-on-change
	AN0	AN	—	A/D Channel 0 input
	C1IN+	AN	—	Comparator C1 non-inverting input
	ICSPDAT	ST	CMOS	Serial Programming Data I/O
RA1/AN1/C12IN0-/VREF/ICSPCLK	RA1	TTL	CMOS	PORTA I/O with prog. pull-up and interrupt-on-change
	AN1	AN	—	A/D Channel 1 input
	C12IN0-	AN	—	Comparators C1 and C2 inverting input
	VREF	AN	—	External Voltage Reference for A/D
	ICSPCLK	ST	—	Serial Programming Clock
RA2/AN2/T0CKI/INT/C1OUT	RA2	ST	CMOS	PORTA I/O with prog. pull-up and interrupt-on-change
	AN2	AN	—	A/D Channel 2 input
	T0CKI	ST	—	Timer0 clock input
	INT	ST	—	External Interrupt
	C1OUT	—	CMOS	Comparator C1 output
RA3/MCLR/VPP	RA3	TTL	—	PORTA input with interrupt-on-change
	MCLR	ST	—	Master Clear w/internal pull-up
	VPP	HV	—	Programming voltage
RA4/AN3/T1G/OSC2/CLKOUT	RA4	TTL	CMOS	PORTA I/O with prog. pull-up and interrupt-on-change
	AN3	AN	—	A/D Channel 3 input
	T1G	ST	—	Timer1 gate (count enable)
	OSC2	—	XTAL	Crystal/Resonator
	CLKOUT	—	CMOS	Fosc/4 output
RA5/T1CKI/OSC1/CLKIN	RA5	TTL	CMOS	PORTA I/O with prog. pull-up and interrupt-on-change
	T1CKI	ST	—	Timer1 clock input
	OSC1	XTAL	—	Crystal/Resonator
	CLKIN	ST	—	External clock input/RC oscillator connection
RC0/AN4/C2IN+	RC0	TTL	CMOS	PORTC I/O
	AN4	AN	—	A/D Channel 4 input
	C2IN+	AN	—	Comparator C2 non-inverting input
RC1/AN5/C2IN-	RC1	TTL	CMOS	PORTC I/O
	AN5	AN	—	A/D Channel 5 input
	C12IN1-	AN	—	Comparators C1 and C2 inverting input
RC2/AN6/C12IN2-/P1D	RC2	TTL	CMOS	PORTC I/O
	AN6	AN	—	A/D Channel 6 input
	C12IN2-	AN	—	Comparators C1 and C2 inverting input
	P1D	—	CMOS	PWM output
RC3/AN7/P1C	RC3	TTL	CMOS	PORTC I/O
	AN7	AN	—	A/D Channel 7 input
	C12IN3-	AN	—	Comparators C1 and C2 inverting input
	P1C	—	CMOS	PWM output
RC4/C2OUT/P1B	RC4	TTL	CMOS	PORTC I/O
	C2OUT	—	CMOS	Comparator C2 output
	P1B	—	CMOS	PWM output
RC5/CCP1/P1A	RC5	TTL	CMOS	PORTC I/O
	CCP1	ST	CMOS	Capture input/Compare output
	P1A	—	CMOS	PWM output
V <sub>DD</sub>	V <sub>DD</sub>	Power	—	Positive supply
V <sub>SS</sub>	V <sub>SS</sub>	Power	—	Ground reference

**Legend:** AN = Analog input or output  
 ST = Schmitt Trigger input with CMOS levels  
 CMOS = CMOS compatible input or output  
 TTL = TTL compatible input  
 HV = High Voltage  
 XTAL = Crystal

TUSB3200 (I/O: IC800)



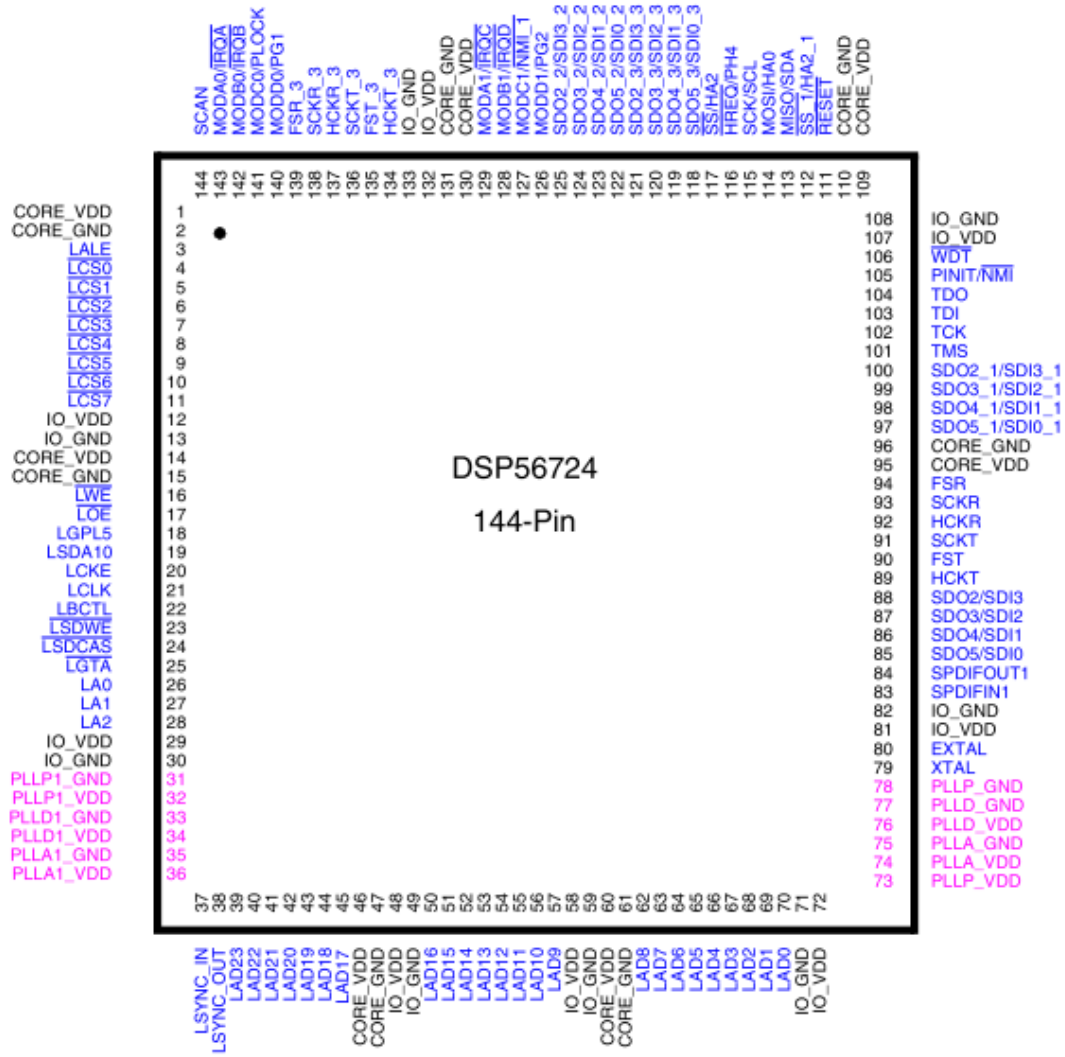
TUSB3200 Block diagram



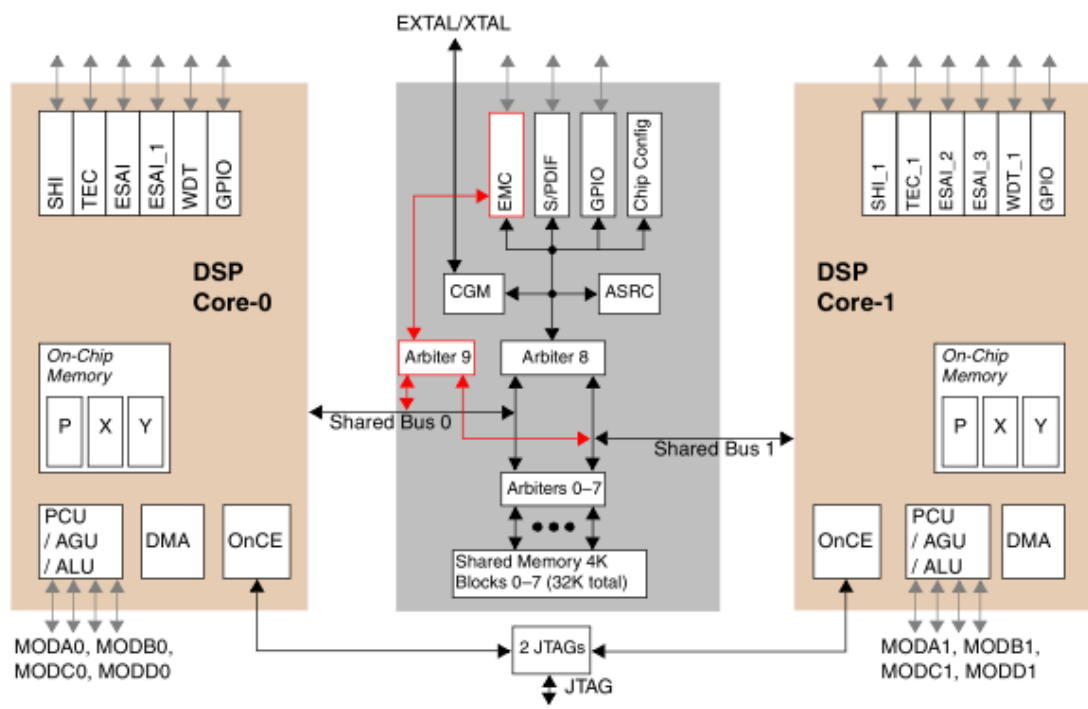
## TUSB3200 Pin descriptions

TERMINAL		I/O	DESCRIPTION
NAME	NO.		
AV <sub>DD</sub>	2		3.3-V Analog supply voltage
AV <sub>SS</sub>	49		Analog ground
CSCLK	34	I/O	Codec port interface serial clock: CSCLK is the serial clock for the codec port interface used to clock the CSYNC, CDATO, CDATI, CRESET and CSCHNE signals. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer.
CSYNC	35	I/O	Codec port interface frame sync: CSYNC is the frame synchronization signal for the codec port interface. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer.
CDATO	36	I/O	Codec port interface serial data output: See <a href="#">Section 1.9</a> for details. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer.
CDATI	38	I/O	Codec port interface serial data input: See <a href="#">Section 1.9</a> for details. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer.
CRESET	39	I/O	Codec port interface reset output: See <a href="#">Section 1.9</a> for details. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer.
CSCHNE	40	I/O	Codec port interface secondary channel enable: See <a href="#">Section 1.9</a> for details. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer.
DP	7	I/O	USB differential pair data signal plus: DP is the positive signal of the bidirectional USB differential pair used to connect the TUSB3200A device to the universal serial bus.
DM	8	I/O	USB differential pair data signal minus: DM is the negative signal of the bidirectional USB differential pair used to connect the TUSB3200A device to the universal serial bus.
DV <sub>DD</sub>	9, 21, 37		3.3-V digital supply voltage
DV <sub>DD5</sub>	27, 43		5-V Digital supply voltage
DV <sub>SS</sub>	5, 16, 33, 46		Digital ground
EXTEN	12	I	External MCU mode enable: Input used to enable the device for the external MCU mode. This signal uses a 3.3-V TTL/LVCMOS input buffer.
MCLK1	47	I	Master clock input: An input that can be used as the master clock for the codec port interface or the source for MCLKO2. This signal uses a 5-V to 3.3-V level shifting input buffer.
MCLKI2	48	I	Master clock input 2: An input that can be used as the master clock for the codec port interface or the source for MCLKO2. This signal uses a 5-V to 3.3-V level shifting input buffer.
MCLKO	44	O	Master clock output: The output of the ACG that can be used as the master clock for the codec port interface and the codec. This signal uses a 3.3-V TTL/LVCMOS output buffer.
MCLKO2	45	O	Master clock output 2: An output that can be used as the master clock for the codec port interface and the codec. This clock signal can also be used as a miscellaneous clock. This signal uses a 3.3-V TTL/LVCMOS output buffer.
MRESET	10	I	Master reset: An active low asynchronous reset for the device that resets all logic to the default state. This signal uses a 3.3-V TTL/LVCMOS input buffer.
Not Used	22	I	This pin is not used in the normal mode. This signal should be tied to digital ground for normal operation.
P1.0	24	I/O	General-purpose I/O port 1 bit 0: A bidirectional I/O port. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer with an internal 100- $\mu$ A active pullup.
P1.1	25	I/O	General-purpose I/O port 1 bit 1: A bidirectional I/O port. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer with an internal 100- $\mu$ A active pullup.
P1.2	26	I/O	General-purpose I/O port 1 bit 2: A bidirectional I/O port. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer with an internal 100- $\mu$ A active pullup.
P1.3	28	I/O	General-purpose I/O port 1 bit 3: A bidirectional I/O port. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer with an internal 100- $\mu$ A active pullup.
P1.4	29	I/O	General-purpose I/O port 1 bit 4: A bidirectional I/O port. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer with an internal 100- $\mu$ A active pullup.
P1.5	30	I/O	General-purpose I/O port 1 bit 5: A bidirectional I/O port. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer with an internal 100- $\mu$ A active pullup.
P1.6	31	I/O	General-purpose I/O port 1 bit 6: A bidirectional I/O port. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer with an internal 100- $\mu$ A active pullup.
P1.7	32	I/O	General-purpose I/O port 1 bit 7: A bidirectional I/O port. This signal uses a 5-V compatible TTL/LVCMOS input/output buffer with an internal 100- $\mu$ A active pullup.

# DSP56724 (I/O: IC802)

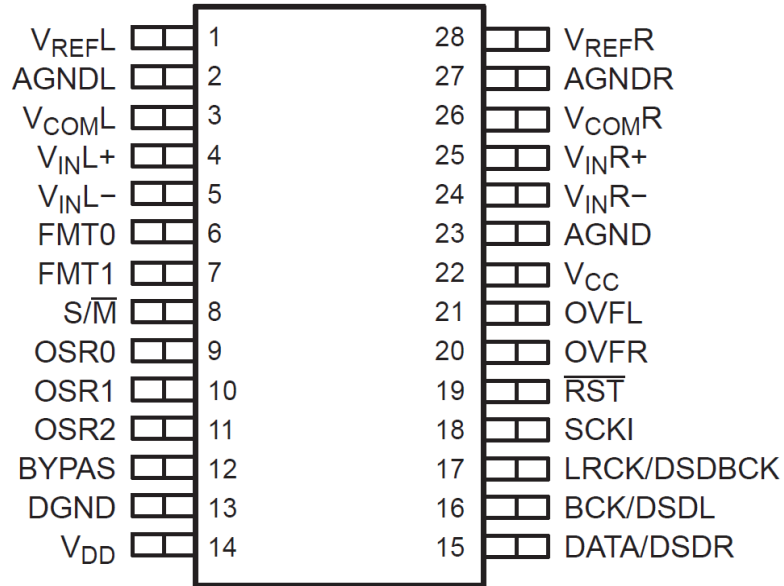


## DSP56724 Block Diagram

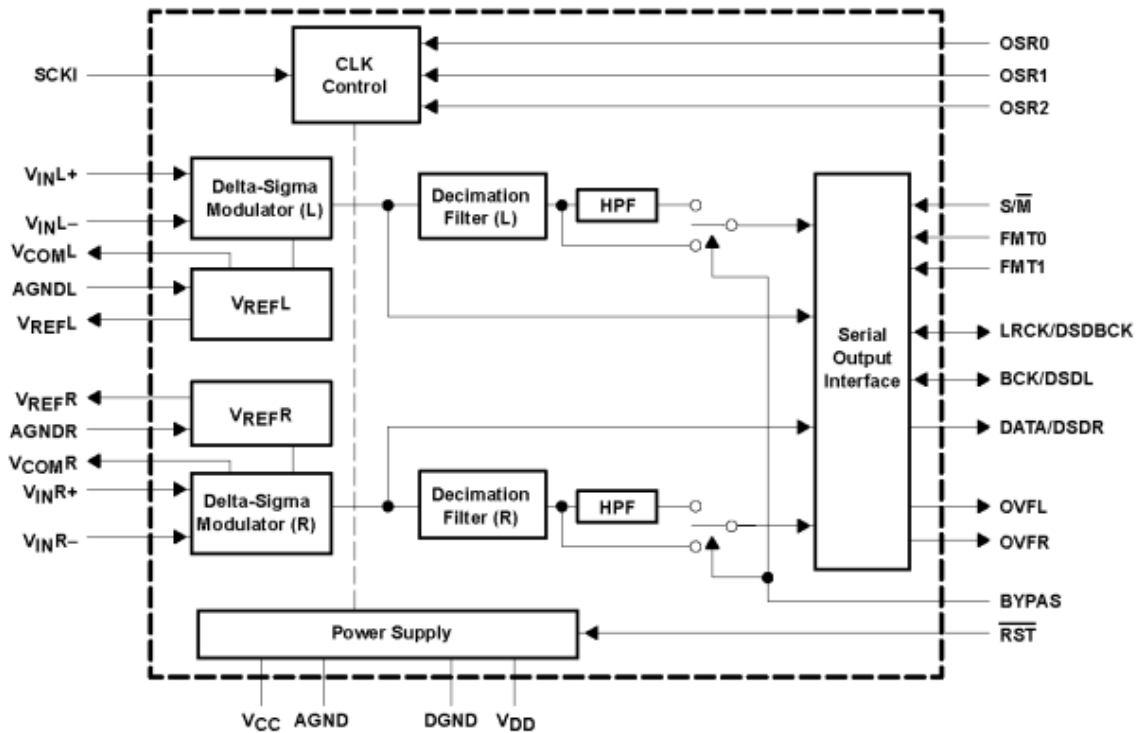




PCM1804 (I/O: IC404,409,413,417,421)



PCM1804 Block Diagram



## PCM1804 Pin Function

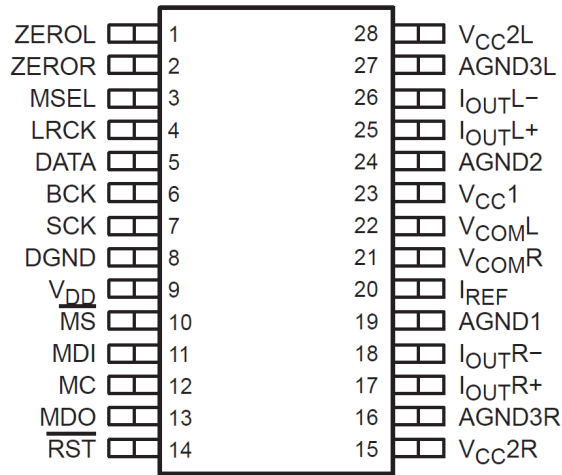
TERMINAL		I/O	DESCRIPTIONS
NAME	PIN		
AGND	23	–	Analog ground
AGNDL	2	–	Analog ground for $V_{REFL}$
AGNDR	27	–	Analog ground for $V_{REFR}$
BCK/DSDL	16	I/O	Bit clock input/output in PCM mode. L-channel audio data output in DSD mode. <sup>(1)</sup>
BYPAS	12	I	HPF bypass control. High: HPF disabled, Low: HPF enabled <sup>(1)</sup>
DATA/DSDR	15	O	L-channel and R-channel audio data output in PCM mode. R-channel audio data output in DSD mode. (DSD output, when in DSD mode)
DGND	13	–	Digital ground
FMT0	6	I	Audio data format 0. <sup>(2)</sup>
FMT1	7	I	Audio data format 1. <sup>(2)</sup>
LRCK/DSDBCK	17	I/O	Sampling clock input/output in PCM and DSD modes. <sup>(1)</sup>
OSR0	9	I	Oversampling ratio 0. <sup>(2)</sup>
OSR1	10	I	Oversampling ratio 1. <sup>(2)</sup>
OSR2	11	I	Oversampling ratio 2. <sup>(2)</sup>
OVFL	21	O	Overflow signal of L-channel in PCM mode. This is available in PCM mode only.
OVFR	20	O	Overflow signal of R-channel in PCM mode. This is available in PCM mode only.
$\overline{RST}$	19	I	Reset, power-down input, active-low <sup>(2)</sup>
SCKI	18	I	System clock input; 128 $f_S$ , 256 $f_S$ , 384 $f_S$ , 512 $f_S$ , or 768 $f_S$ . <sup>(3)</sup>
$S/\overline{M}$	8	I	Slave/master mode selection. <sup>(2)</sup>
$V_{CC}$	22	–	Analog power supply
$V_{COML}$	3	–	L-channel analog common-mode voltage (2.5 V)
$V_{COMR}$	26	–	R-channel analog common-mode voltage (2.5 V)
$V_{DD}$	14	–	Digital power supply
$V_{INL-}$	5	I	L-channel analog input, negative pin
$V_{INL+}$	4	I	L-channel analog input, positive pin
$V_{INR-}$	24	I	R-channel analog input, negative pin
$V_{INR+}$	25	I	R-channel analog input, positive pin
$V_{REFL}$	1	–	L-channel voltage reference output, requires capacitors for decoupling to AGND
$V_{REFR}$	28	–	R-channel voltage reference output, requires capacitors for decoupling to AGND

(1) Schmitt-trigger input

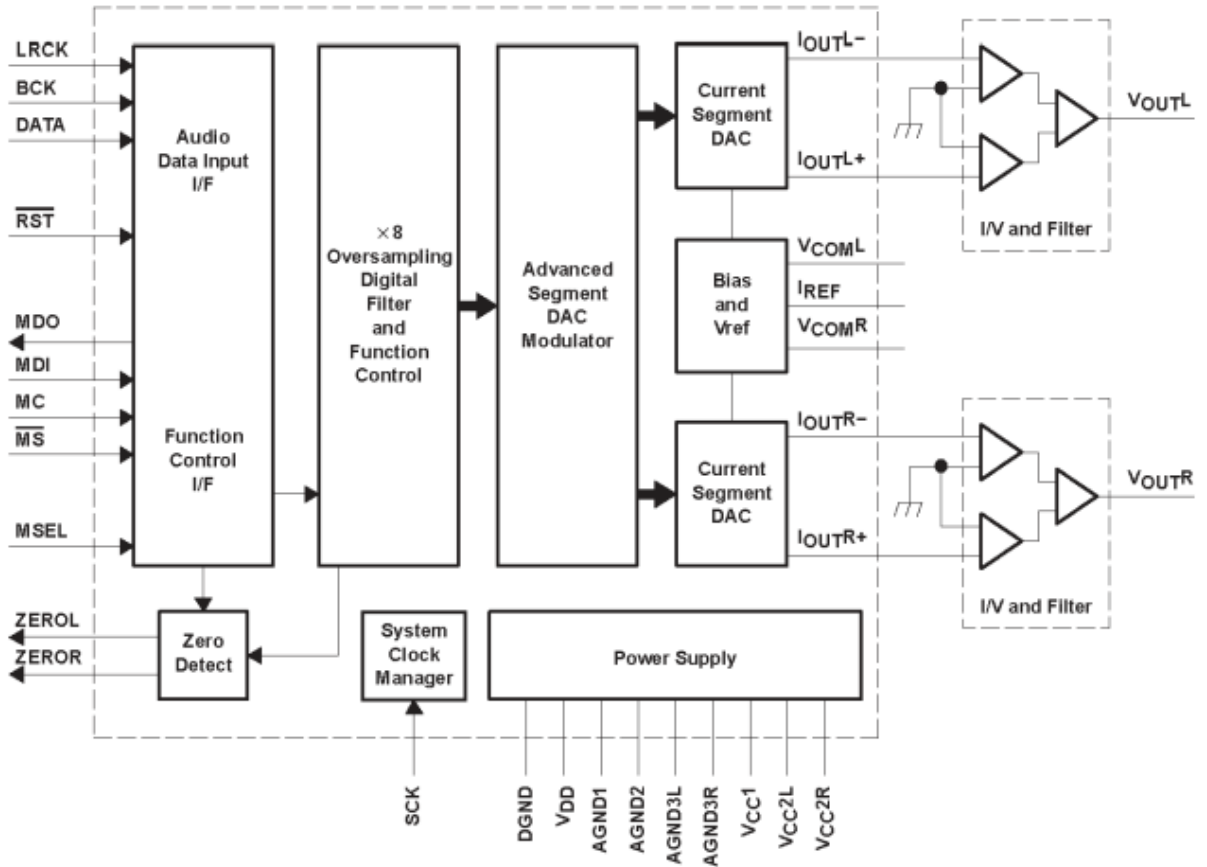
(2) Schmitt-trigger input with internal pulldown (51 k $\Omega$  typically), 5-V tolerant.

(3) Schmitt-trigger input, 5-V tolerant.

**PCM1796DBR (I/O: IC600)**



**PCM1796DBR Block Diagram**



## PCM1796DBR Pin Function

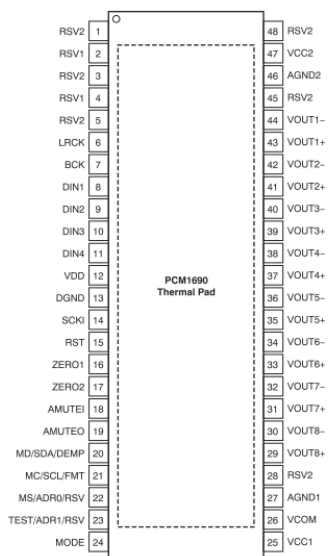
TERMINAL		I/O	DESCRIPTIONS
NAME	PIN		
AGND1	19	-	Analog ground (internal bias)
AGND2	24	-	Analog ground (internal bias)
AGND3L	27	-	Analog ground (L-channel DACFF)
AGND3R	16	-	Analog ground (R-channel DACFF)
BCK	6	I	Bit clock input <sup>(1)</sup>
DATA	5	I	Serial audio data input <sup>(1)</sup>
DGND	8	-	Digital ground
I <sub>OUTL+</sub>	25	O	L-channel analog current output+
I <sub>OUTL-</sub>	26	O	L-channel analog current output-
I <sub>OUTR+</sub>	17	O	R-channel analog current output+
I <sub>OUTR-</sub>	18	O	R-channel analog current output-
I <sub>REF</sub>	20	-	Output current reference bias pin
LRCK	4	I	Left and right clock ( $f_S$ ) input <sup>(1)</sup>
MC	12	I	Mode control clock input <sup>(1)</sup>
MDI	11	I	Mode control data input <sup>(1)</sup>
MDO	13	I/O	Mode control readback data output <sup>(3)</sup>
$\overline{MS}$	10	I/O	Mode control chip-select input <sup>(2)</sup>
MSEL	3	I	I <sup>2</sup> C/SPI select <sup>(1)</sup>
$\overline{RST}$	14	I	Reset <sup>(1)</sup>
SCK	7	I	System clock input <sup>(1)</sup>
V <sub>CC1</sub>	23	-	Analog power supply, 5 V
V <sub>CC2L</sub>	28	-	Analog power supply (L-channel DACFF), 5 V
V <sub>CC2R</sub>	15	-	Analog power supply (R-channel DACFF), 5 V
V <sub>COML</sub>	22	-	L-channel internal bias decoupling pin
V <sub>COMR</sub>	21	-	R-channel internal bias decoupling pin
V <sub>DD</sub>	9	-	Digital power supply, 3.3 V
ZEROL	1	I/O	Zero flag for L-channel <sup>(2)</sup>
ZEROR	2	I/O	Zero flag for R-channel <sup>(2)</sup>

<sup>(1)</sup> Schmitt-trigger input, 5-V tolerant

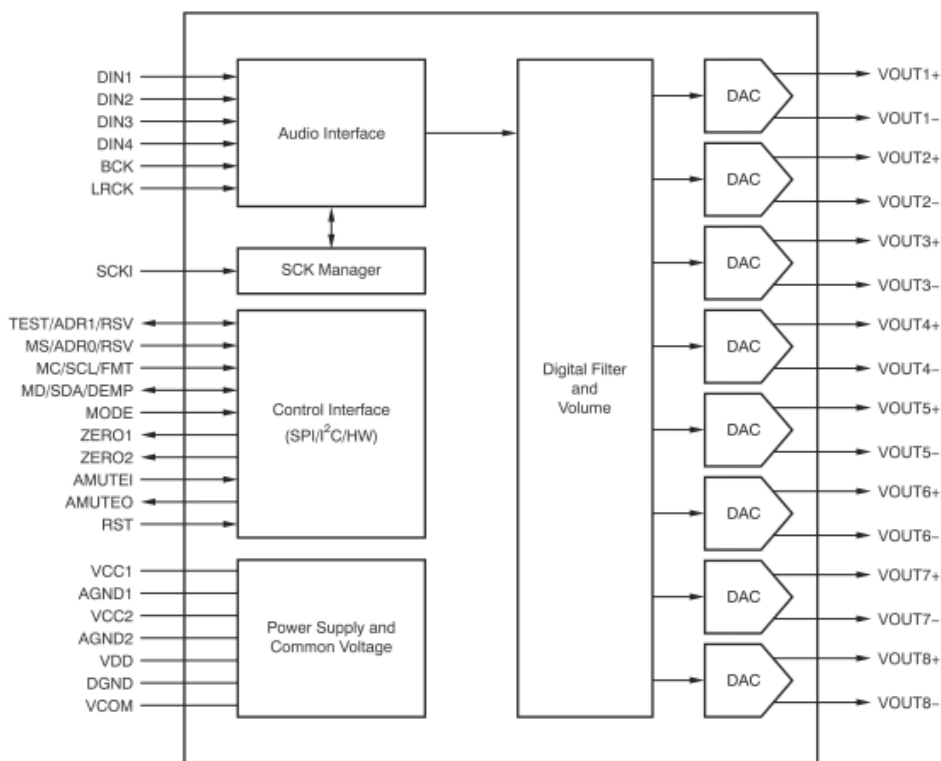
<sup>(2)</sup> Schmitt-trigger input and output. 5-V tolerant input and CMOS output

<sup>(3)</sup> Schmitt-trigger input and output. 5-V tolerant input. In I<sup>2</sup>C mode, this pin becomes an open-drain 3-state output; otherwise, this pin is a CMOS output.

### PCM1690DCAR,SSOP-48 (I/O: IC606)



### PCM1690DCAR,SSOP-48 Block Diagram



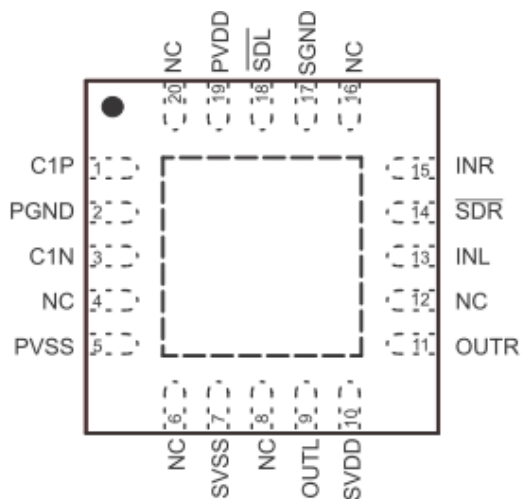
### PCM1690DCAR,SSOP-48 Pin Function

TERMINAL		I/O	PULL-DOWN	5-V TOLERANT	DESCRIPTION
NAME	PIN				
RSV2	1	—	—	—	Reserved, tied to analog ground
RSV1	2	—	—	—	Reserved, left open
RSV2	3	—	—	—	Reserved, tied to analog ground
RSV1	4	—	—	—	Reserved, left open
RSV2	5	—	—	—	Reserved, tied to analog ground
LRCK	6	I	Yes	No	Audio data word clock input
BCK	7	I	Yes	No	Audio data bit clock input
DIN1	8	I	No	No	Audio data input for DAC1 and DAC2
DIN2	9	I	No	No	Audio data input for DAC3 and DAC4
DIN3	10	I	No	No	Audio data input for DAC5 and DAC6
DIN4	11	I	No	No	Audio data input for DAC7 and DAC8

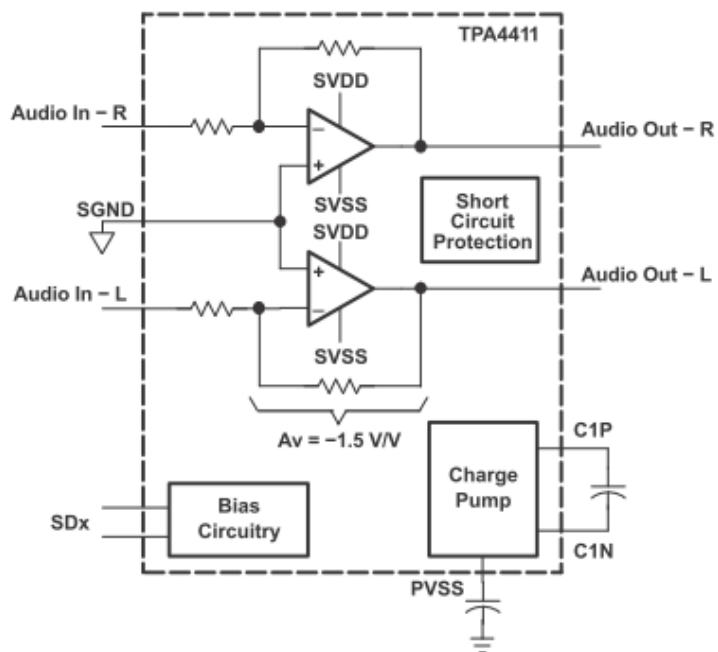
TERMINAL		I/O	PULL-DOWN	5-V TOLERANT	DESCRIPTION
NAME	PIN				
VDD	12	—	—	—	Digital power supply, +3.3 V
DGND	13	—	—	—	Digital ground
SCKI	14	I	No	Yes	System clock input
RST	15	I	Yes	Yes	Reset and power-down control input with active low
ZERO1	16	O	No	No	Zero detect flag output 1
ZERO2	17	O	No	No	Zero detect flag output 2
AMUTEI	18	I	No	Yes	Analog mute control input with active low
AMUTE0	19	O	No	Yes	Analog mute status output <sup>(1)</sup> with active low
MD/SDA/DEMP	20	I/O	No	Yes	Input data for SPI, data for I <sup>2</sup> C <sup>(1)</sup> , de-emphasis control for hardware control mode
MC/SCL/FMT	21	I	No	Yes	Clock for SPI, clock for I <sup>2</sup> C, format select for hardware control mode
MS/ADR0/RSV	22	I	Yes	Yes	Chip Select for SPI, address select 0 for I <sup>2</sup> C, reserve (set low) for hardware control mode
TEST/ADR1/RSV	23	I/O	No	Yes	Test (factory use, left open) for SPI, address select 1 for I <sup>2</sup> C, reserve (set low) for hardware control mode
MODE	24	I	No	No	Control port mode selection. Tied to VDD: SPI, left open: H/W mode, tied to DGND: I <sup>2</sup> C
VCC1	25	—	—	—	Analog power supply 1, +5 V
VCOM	26	—	—	—	Voltage common decoupling
AGND1	27	—	—	—	Analog ground 1
RSV2	28	—	—	—	Reserved, tied to analog ground
VOUT8+	29	O	No	No	Positive analog output from DAC8
VOUT8-	30	O	No	No	Negative analog output from DAC8
VOUT7+	31	O	No	No	Positive analog output from DAC7
VOUT7-	32	O	No	No	Negative analog output from DAC7
VOUT6+	33	O	No	No	Positive analog output from DAC6
VOUT6-	34	O	No	No	Negative analog output from DAC6
VOUT5+	35	O	No	No	Positive analog output from DAC5
VOUT5-	36	O	No	No	Negative analog output from DAC5
VOUT4+	37	O	No	No	Positive analog output from DAC4
VOUT4-	38	O	No	No	Negative analog output from DAC4
VOUT3+	39	O	No	No	Positive analog output from DAC3
VOUT3-	40	O	No	No	Negative analog output from DAC3
VOUT2+	41	O	No	No	Positive analog output from DAC2
VOUT2-	42	O	No	No	Negative analog output from DAC2
VOUT1+	43	O	No	No	Positive analog output from DAC1
VOUT1-	44	O	No	No	Negative analog output from DAC1
RSV2	45	—	—	—	Reserved, tied to analog ground
AGND2	46	—	—	—	Analog ground 2
VCC2	47	—	—	—	Analog power supply 2, +5 V
RSV2	48	—	—	—	Reserved, tied to analog ground

(1) Open-drain configuration in out mode.

TPA4411 (I/O: IC611)



TPA4411 Block Diagram

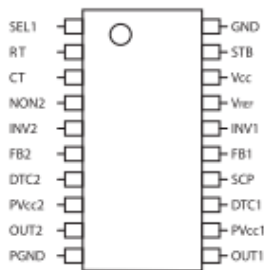


## TPA4411 Terminal Function

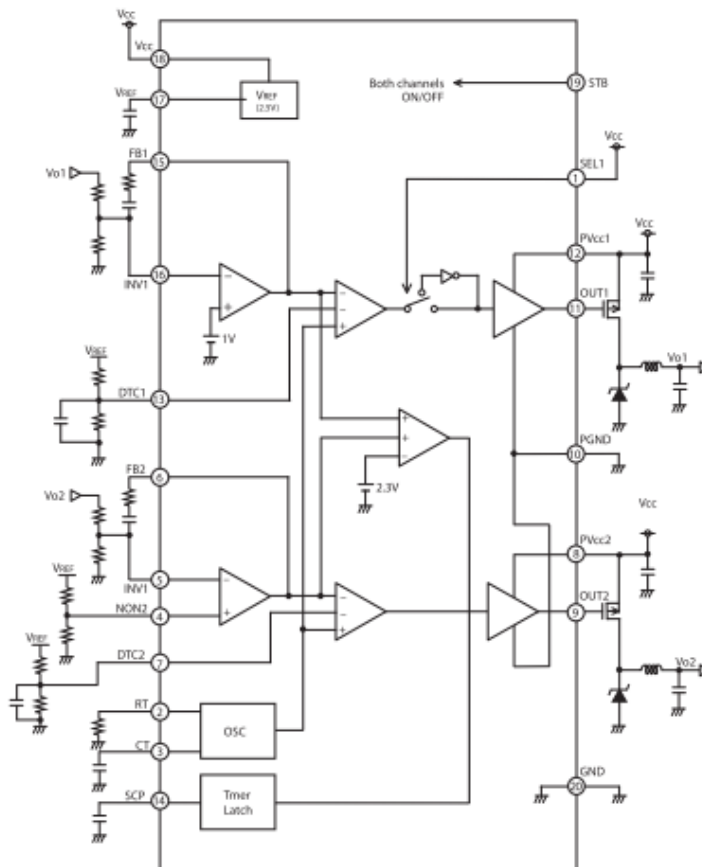
TERMINAL			I/O	DESCRIPTION
NAME	QFN	WCSP		
C1P	1	A4	I/O	Charge pump flying capacitor positive terminal
PGND	2	B4	I	Power ground, connect to ground.
C1N	3	C4	I/O	Charge pump flying capacitor negative terminal
NC	4, 6, 8, 12, 16, 20	B3, C3		No connection
PVSS	5	D4	O	Output from charge pump.
SVSS	7	D3	I	Amplifier negative supply, connect to PVSS via star connection.
OUTL	9	D2	O	Left audio channel output signal
SVDD	10	D1	I	Amplifier positive supply, connect to PVDD via star connection.
OUTR	11	C2	O	Right audio channel output signal
INL	13	C1	I	Left audio channel input signal
SDR	14	B1	I	Right channel shutdown, active low logic.
INR	15	A1	I	Right audio channel input signal
SGND	17	A2	I	Signal ground, connect to ground.
SDL	18	B2	I	Left channel shutdown, active low logic.
PVDD	19	A3	I	Supply voltage, connect to positive supply.
Exposed Pad		-		Exposed pad must be soldered to a floating plane. Do NOT connect to power or ground.



# BD9851 (I/O: IC705)



## BD9851 Block Diagram



## BD9851 Terminal Function

Pin No.	Pin name	Function
1	SEL1	CH1 drive FET setting (Vcc short: P-ch drive, GND short: N-ch drive)
2	RT	Oscillation frequency setting resistor connection
3	CT	Oscillation frequency setting capacitor connection
4	NON2	Error Amp non-inverting input (CH2)
5	INV2	Error Amp inverting input (CH2)
6	FB2	Error Amp output (CH2)
7	DTC2	Maximum duty/soft start setting (CH2)
8	PVcc2	FET driver block power supply input (CH2)
9	OUT2	FET driver block output (CH2)
10	PGND	FET driver block ground
11	OUT1	FET driver block output (CH1)
12	PVcc1	FET driver block power supply input (CH1)
13	DTC1	Maximum duty/soft start setting (CH1)
14	SCP	Short circuit protection timer setting capacitor connection
15	FB1	Error Amp output (CH1)
16	INV1	Error Amp inverting input (CH1)
17	VR <sub>REF</sub>	Reference voltage (2.5V±1%) output
18	Vcc	Power supply input
19	STB	ON/OFF control
20	GND	Ground
-	FIN on reverse	Make FIN on the reverse open or ground to GND (pin 20) (However, open FIN on the reverse will degrade radiation performance.)

# PARTS LIST OF P.W.B. UNIT

\* Parts for which "nsp" is indicated on this table cannot be supplied.

\* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

**Note:** The symbols in the column "Remarks" indicate the following destinations.

E3 : U.S.A. & Canada model

E2 : Europe model

## CONTROL P.C.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>					
IC100	941243004430P	MIDI IC ASS'Y IC(MC9S08AW60CPUE,LQFP-64)		704-6000-9601	*
IC101	941239003270S	IC(BA05FP-E2,TO-252)		417-U101-497	
IC102	941248004780P	DSP IC ASS'Y IC(24LC128T-I/SL,SOIC-8)		704-6000-9602	*
IC103-105	00D9587058709	IC(74AHC595DR,SOP-16)		417-HDJ9800-643	
IC106	941239004450P	IC(BD5238G,SO-14)		417-MC6000-1021	*
IC115-119	941239004980P	IC(74HC4052D/74HC4052DT,SMD)		417-QSPAND-432	
IC120,121	941243004220P	IC(PIC16F616-I/SL,SOIC-16)		417-RMP3-936	
IC122	941239004980P	IC(74HC4052D/74HC4052DT,SMD)		417-QSPAND-432	
IC123	941239004460P	IC(74HC165D,SO-16)		417-CDG9000-707	*
IC124	941239004470P	IC(74HCT08DT,SO-14)		417-MC6000-1017	*
D103,104	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D105,106	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D107,108	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D109	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D110,111	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D112-115	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D116	941263004500P	LED ( GREEN )		410-CD6000-124	*
D117-122	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D123,124	941263004510P	LED ( L-7104QBD/TB/TD-D,BLUE )		410-MU12B1-389	*
D125,126	941263002010S	CHIP LED(JA-3020B,3*2,BLUE)		410-S700-375	
D127,128	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D129,130	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D131	00D9587051706	LED (LTL-16KE,RED )		410-CD6000-122	
D132,133	941263004510P	LED ( L-7104QBD/TB/TD-D,BLUE )		410-MU12B1-389	*
D134	00D9587051706	LED (LTL-16KE,RED )		410-CD6000-122	
D135-139	941263004500P	LED ( GREEN )	<b>NOTE :</b> When update Firmware, please confirm a last version in SDI. Use the service board after updating it.	410-CD6000-124	*
D140-143	941263004480P	LED ( LTL-16KA )		410-HDJ2650-163	*
D144	00D9587051706	LED (LTL-16KE,RED )		410-CD6000-122	
D145-D149	941263004500P	LED ( GREEN )		410-CD6000-124	*
D150-D153	941263004480P	LED ( LTL-16KA )		410-HDJ2650-163	*
D154	00D9587051706	LED (LTL-16KE,RED )		410-CD6000-122	
D155-158	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D159	941263002010S	CHIP LED(JA-3020B,3*2,BLUE)		410-S700-375	
D160	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D161	941263002010S	CHIP LED(JA-3020B,3*2,BLUE)		410-S700-375	
D162	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D163-165	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D166,167	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D168,169	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D170,171	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D172	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D173,174	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D175,176	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D177	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D178,179	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D180	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D181,182	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D183	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D184,185	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D186	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D187-190	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D191-196	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D197,198	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D199	941263004500P	LED ( GREEN )		410-CD6000-124	*

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
D200,201	941263004510P	LED ( L-7104QBD/TB/TD-D,BLUE )		410-MU12B1-389	*
D202	941263004490P	LED ( LTL-1CHY,YELLOW )		410-CD6000-123	*
D203	941263004500P	LED ( GREEN )		410-CD6000-124	*
D229-236	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D241-307	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D308-310	nsp	DIODE(SMAJ6.0A,400W/6.0V,DO-214AC)		414-UDJ200-284	
D50,51	941263002010S	CHIP LED(JA-3020B,3*2,BLUE)		410-S700-375	
D52	00D9587051706	LED (LTL-16KE,RED )		410-CD6000-122	
D53,54	941263004510P	LED ( L-7104QBD/TB/TD-D,BLUE )		410-MU12B1-389	*
D55	00D9587051706	LED (LTL-16KE,RED )		410-CD6000-122	
D56,57	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D58,59	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D60,61	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D62-67	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D68,69	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D70-73	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D74,75	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D76	941263002010S	CHIP LED(JA-3020B,3*2,BLUE)		410-S700-375	
D77,78	941263003110S	CHIP LED(JA-3020R,3*2,RED)		410-MIX101-373	
D79	941263002010S	CHIP LED(JA-3020B,3*2,BLUE)		410-S700-375	
D80-85	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D86,87	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D88-92	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D93,94	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D95,96	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
D97,98	941263002620S	CHIP LED(JA-3020YG,3*2,YELLOW/GREEN)		410-MIX101-374	
D99-102	941263002610S	CHIP LED(YELLOW,JA-3020Y,3*2)		410-F300-377	
Q50	941214004530P	CHIP TRANSISTOR(2SD1757K)		416-MC6000-374	*
Q101-114	941214004530P	CHIP TRANSISTOR(2SD1757K)		416-MC6000-374	*
Q115	941219002740S	TRANSISTOR(RTR030P02TL,TSM3)		416-UDJ200-347	
Q116	00D9587057700	TRANSISTOR(DTC114EKAT146,SMT3)		416-HDJ2460-234	
Q119-126	941214004530P	CHIP TRANSISTOR(2SD1757K)		416-MC6000-374	*
Q129-138	941212004520P	CHIP TRANSISTOR(2SB1424T100R)		416-MC6000-375	*
<b>RESISTOR GROUP</b>					
R01-33	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R34	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-537	
R35	nsp	CHIP RESISTOR(100 OHM,1/10W,J,TP,50V)		412-CDVD2001-530	
R50-61	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R62-69	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R71	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-523	
R72	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	
R73-74	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R75-81	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	
R82-86	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R87,88	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	
R89-96	nsp	CHIP RESISTOR((33K OHM,1/10W,0603,J,TP ,50V)		412-007USB-705	
R97	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R98	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R101	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R103-105	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R106	nsp	CHIP RESISTOR(1M OHM,1/10W,J,TP ,50V)		412-CDVD2001-546	
R107	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R132-141	nsp	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)		412-900-1060	
R142-163	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-523	
R166-175	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-532	
R176-180	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	
R181	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R182	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	
R183	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R184	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	
R185	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R186	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-I1-1252	
R187	nsp	CHIP RESISTOR(270 OHM,1/10W,J,TP ,50V)		412-007USB-698	
R188	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R189	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
R190	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R191	nsp	CHIP RESISTOR(270 OHM,1/10W,J,TP ,50V)		412-007USB-698	
R192-194	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R195	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R197	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R198	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R200-202	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R203,204	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R205,206	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R207,208	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R209	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R210	nsp	CHIP RESISTOR(560 OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-549	
R211	nsp	CHIP RESISTOR(82 OHM,1/10W,J,TP 0603,50V)		412-ID-1297	
R212	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R213-215	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R216	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R217-219	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R220-222	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R223,224	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R225	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R226,227	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R228	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R228	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R229-234	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R235	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R236	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R237	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R238	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R239-247	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R248,249	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R250	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R251,252	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R253	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R254	nsp	CHIP RESISTOR(560 OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-549	
R255	nsp	CHIP RESISTOR(82 OHM,1/10W,J,TP 0603,50V)		412-ID-1297	
R256	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R257	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R258-261	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R262-290	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R291	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R292	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R293,294	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R295	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R296-305	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R306-325	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R331	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R332	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R333	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R342,343	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)		412-900-977	
R344,345	nsp	CHIP RESISTOR(20K OHM,1/10W,0603,J,TP ,50V)		412-DCM280-726	
R346,347	nsp	CHIP RESISTOR(2.4Kohm,1/10W,J,TP 0603,50V)		412-MH2-1135	
R348-355	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R356	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-900-983	
R357	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R358	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R359-361	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R36,37	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R362	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R363-365	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R366	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R367-369	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R370	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R371-379	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R380	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R381-386	nsp	CHIP RESISTOR(56 OHM,1/10W,J,TP 0603,50V)		412-11-1252	
R387,388	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R389-393	nsp	CHIP RESISTOR(330OHM,1/10W,J,TP 0603,50V)		412-900-983	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
R395-399	nsp	CHIP RESISTOR(330HM,1/10W,J,TP 0603,50V)		412-007USB-782	
VR100	941671004590P	ROTARY VR(RD901F-40-16FB-B20K-00DJ8,L=16)		418-MC6000-650	*
VR102-105	941671004550P	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)		418-K1000-413	*
VR106-109	941671004600P	ROTARY VR(RD901F-40-20FP-B20K-0CDJ8,L=20)		418-MC6000-639	*
VR110	941671004540P	ROTARY VR(RD901F-40-16F-B20K-0CDJ8,L=16)		418-MC6000-643	*
VR111	941671004610P	ROTARY VR(20KB,RD901F-40-20FP-B20K-00DJ8,L=20)		418-MC6000-638	*
VR112	941671004600P	ROTARY VR(RD901F-40-20FP-B20K-0CDJ8,L=20)		418-MC6000-639	*
VR113-115	941671004560P	VR(RD901F-40-20F-B20K-0CD)		418-SDJ2-439	*
VR116,117	941671004550P	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)		418-K1000-413	*
VR118	941671004610P	ROTARY VR(20KB,RD901F-40-20FP-B20K-00DJ8,L=20)		418-MC6000-638	*
VR119,120	941671004580P	ROTARY VR(RD901F-40-20F-B20K-00D 20K(B) F L=20 )		418-PDJ1-488	*
VR121,122	941671004540P	ROTARY VR(RD901F-40-16F-B20K-0CDJ8,L=16)		418-MC6000-643	*
VR123-125	941671004550P	ROTARY VR(20K(B)*2,RD901F-40-20F-B20K-00DH2)		418-K1000-413	*
VR126,127	941674004630P	SLIDE VR(RF45112G400D,20K(2)B*2,L=22.5)		418-MC6000-637	*
VR128	941671004560P	VR(RD901F-40-20F-B20K-0CD)		418-SDJ2-439	*
VR129,130	941674004630P	SLIDE VR(RF45112G400D,20K(2)B*2,L=22.5)		418-MC6000-637	*
VR131,132	941671004580P	ROTARY VR(RD901F-40-20F-B20K-00D 20K(B) F L=20 )		418-PDJ1-488	*
VR133	941671004590P	ROTARY VR(RD901F-40-16FB-B20K-00DJ8,L=16)		418-MC6000-650	*
VR134-136	941671004600P	ROTARY VR(RD901F-40-20FP-B20K-0CDJ8,L=20)		418-MC6000-639	*
VR400,401	941671004610P	ROTARY VR(20KB,RD901F-40-20FP-B20K-00DJ8,L=20)		418-MC6000-638	*
<b>CAPACITORS GROUP</b>					
C100,101	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C102	nsp	ELEC. CAPACITOR(10uF/25V,M)(Cd,Pb,Hg,Cr)		413-DV300-5155	
C105	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C106	nsp	ELEC. CAPACITOR(2.2uF/50V,M)(Cd,Pb,Hg,Cr)		413-DV300-5156	
C107-111	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C117-121	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C126-129	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C130,131	nsp	CHIP CAPACITOR(22pF/50V,J,0603 TYPE,NPO)		413-CR701-5161	
C132,133	nsp	ELEC. CAPACITOR(100uF/10V,M)(Cd,Pb,Hg,Cr)		413-HMA2200-5017	
C134-180	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C181-184	nsp	CHIP CAPACITOR(1uF/16V,Z,0603 TYPE,Y5V)		413-007USB-797	
C185-188	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C189	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C190-199	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C200-215	nsp	CHIP CAPACITOR(3300pF/50V,K,0603 TYPE,X7R)		413-DCM280-770	
C216	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C217	nsp	ELEC. CAPACITOR(10uF/25V,M)(Cd,Pb,Hg,Cr)		413-DV300-5155	
C218	nsp	ELEC. CAPACITOR(470uF/10V,M, 105°C ,TAPING 8*12)(Cd,Pb,Hg,Cr)		413-HT8015-169	
C219	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C220	nsp	ELEC. CAPACITOR(100uF/10V,M)(Cd,Pb,Hg,Cr)		413-HMA2200-5017	
C221	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C222	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C223	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C224	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C225	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C226	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C227	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C228	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C229	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C230	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C231	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C232	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C233,234	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C235,236	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C237	nsp	CHIP CAPACITOR(0.015uF/50V,Z,0603 TYPE,Y5V)		413-M207-1090	
<b>OTHER PATRS GROUP</b>					
CN100	941644004860P	20P FFC CONNECTOR(90°,52207-2085)		404-900-2082	*
CN101	nsp	2*3P STRIP PIN HEADER(SMD,H=6mm,90. )		424-SDJ2-142	
CN102	941644004990P	12P FFC CONNECTOR(52207-1285)		404-4001-2235	*
CN104,105	nsp	4P 2.54 STRIP PIN HEADER(H=5.58mm,90°,DIP)		424-SC2000-152	
L100	nsp	BEAD CORE(A70512003, T-26mm)		415-HV3500K-090	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
L101	nsp	INDUCTOR(10uH T-26mm)		415-MPG100-047	
L102	nsp	CHIP COIL(22uH,1A)		415-MC6000-356	
L103,104	nsp	INDUCTANCE(100uH J 0707-444-W077)		415-HT8015-040	
P100,101	941674004620P	SLIDE VR(RF60112L4103,10K(2BM)*2,L=23)		418-MC6000-636	*
SW64	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	
SW100-133	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	
SW134	941663004650P	SW(SR1712F-0104-20F0A-N9-N,SR1712F)		403-IQ2-339	*
SW135-174	941662001910S	TACT SW(SFKHVBL3725,TAPING,H=7mm)		403-CDJ3300-195	
SW175	941663004640P	SW(SR1712F-0105-20F0A-N9-N,L=20)		403-MC6000-386	*
SW176	941663004660P	ROTARY SWITCH(SR1712F-0102-20F0A-N9-N,L=20)		403-8001-261	*
SW177	941667004160P	ENCODER(RE111F-41B1-19F-20P-030,H=7)		403-SC2000-380	
SW178	941664004680P	SLIDE SW(SSH-13D03-G12-NS)		403-MC6000-391	*
SW179	941663004650P	SW(SR1712F-0104-20F0A-N9-N,SR1712F)		403-IQ2-339	*
SW180	941663004660P	ROTARY SWITCH(SR1712F-0102-20F0A-N9-N,L=20)		403-8001-261	*
W103	nsp	3P2.5 CONNECTOR WIRE(L=90mm,UL2468#26*3C TC)(Cd,Pb)		404-T2-1697	
W601	nsp	6P2.0 CONNECTOR WIRE(L=110mm,AWM1007 AWG26)		404-DJ5500-1627	
X100	941141004670P	CRYSTAL(HCM49S,4.000MHz,11.5*4.65)		427-TU3-132	*
ZD100	nsp	ESD DIODE(EDZCTE616.8B,150MW/6.93V,EMD2)		414-RMP3-285	
ZD103	nsp	ESD DIODE(EDZCTE616.8B,150MW/6.93V,EMD2)		414-RMP3-285	
	nsp	GROUND PLATE		300-6000-1859	
	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)	D52-55	504-HDJ2000-097	
	nsp	LED HOLDER(LED-12-B4, $\phi$ 5.8,H=12,BLACK)	D116	504-UDJ202-259	
	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)	D123,124	504-HDJ2000-097	
	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)	D131-134	504-HDJ2000-097	
	nsp	LED HOLDER(LED-12-B4, $\phi$ 5.8,H=12,BLACK)	D135-154	504-UDJ202-259	
	nsp	LED HOLDER(LED-12-B4, $\phi$ 5.8,H=12,BLACK)	D199	504-UDJ202-259	
	nsp	LED HOLDER(LED3-1A-B,H=1.5mm,BLACK)	D200,201	504-HDJ2000-097	
	nsp	LED HOLDER(LED-12-B4, $\phi$ 5.8,H=12,BLACK)	D202,203	504-UDJ202-259	

**IO P.C.B. UNIT ASS'Y**

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>					
IC400	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC402,403	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC404	941239004690P	IC(PCM1804DBR,SSOP28)		417-MC6000-1006	*
IC405	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC407,408	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC409	941239004690P	IC(PCM1804DBR,SSOP28)		417-MC6000-1006	*
IC410-412	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC413	941239004690P	IC(PCM1804DBR,SSOP28)		417-MC6000-1006	*
IC414-416	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC417	941239004690P	IC(PCM1804DBR,SSOP28)		417-MC6000-1006	*
IC418	00D9587035803	IC(NJM-2068M-TE2,SOP8)		417-M5-582	
IC419,420	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC421	941239004690P	IC(PCM1804DBR,SSOP28)		417-MC6000-1006	*
IC600	941239004700P	IC(PCM1796DBR,SSOP28)		417-MC6000-1005	*
IC601-605	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC606	941239004710P	IC(PCM1690DCAR,SSOP-48)		417-MC6000-1007	*
IC607-610	00D9587036200	IC(NJM-4580M-TE2,SOP-8)		417-ST150-599	
IC611	941232004720P	IC(TPA4411MRTJR,QFN-20)		417-PLAY-994	*
IC612	941239003340S	IC(GL1117A ADJ SOT-223)		417-390SM-992	
IC701	941239001610S	IC(BA033T/FP)		417-HV3500K-253	
IC702,703	00D9587058107	IC(BA05T,3PIN)		417-CDN34A-314	
IC704	941231004730P	IC(BD9702T,TO220FP-5)		417-MC6000-1010	*
IC705	941231004740P	IC(BD9851EFV-E2,TSSOP-24)		417-MC6000-1009	*
IC706	941239004750P	IC(PH74HC08D,SO14)		417-MC6000-1008	*
IC800	941239004760P	IC(TUSB3200ACPAH,PQFP52,)		417-DAIA-711	*
IC801	941231004770P	IC(BD12KA5FP,TO252-3)		417-IQ2UM-1004	*
IC802	941245004440P	IC(DSP56724,LQFP-44)		417-IQ2UM-941	*
IC803,804	941246004790P	IC(EM638165TS-6G,TSP054)		417-CDN88-501B	*
IC805,806	941239004800P	IC(SN74LV573APW,TSSOP-20)		417-IQ2UM-942	*
IC807,808	941239004810P	IC(CD74HC4050M96)		417-IQ2UM-970	*
Q600-611	00D9410046406	TRANSISTOR(2SC4695,SOT23,NPN)		416-DAIA-273	
Q700	941219002740S	TRANSISTOR(RTR030P02TL,TSMT3)		416-UDJ200-347	
Q701	941216004830P	CHIP TRANSISTOR(DTC124TKA)		416-DFX1-201	*
Q702	941219002740S	TRANSISTOR(RTR030P02TL,TSMT3)		416-UDJ200-347	
Q703	941229004820P	CHIP TRANSISTOR(RTR030N05)		416-MC6000-373	*
Q704	00D9587057506	TRANSISTOR(DTA124EKA-T146,SMT3)		416-CTB200-178	
Q705	00D9587057700	TRANSISTOR(DTC114EKAT146,SMT3)		416-HDJ2460-234	
Q706	941229004820P	CHIP TRANSISTOR(RTR030N05)		416-MC6000-373	*
Q707	00D9410046406	TRANSISTOR(2SC4695,SOT23,NPN)		416-DAIA-273	
Q708	90M-BA001610R	CHIP TRANSISTOR(DTA124TKAT146)		416-HDJ9700-210	
Q800	941216004830P	CHIP TRANSISTOR(DTC124TKA)		416-DFX1-201	*
D700	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D701	941204004840P	CHIP DIODE(RB050LA-40TR,40V,3A,PMDT)		414-MC6000-307	*
D702	941204004850P	SCHOTTKY BARRIER DIODE(RB160M-60TR,1A,60V,PMDU)		414-MC6000-308	*
D703	00D9410046804	DIODE(1N4002(GW)-TP/1N4002TA,1A/100V,DO-41)		414-DV300-5014	
D704-708	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D709	941204004850P	SCHOTTKY BARRIER DIODE(RB160M-60TR,1A,60V,PMDU)		414-MC6000-308	*
D710-718	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D720	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D722	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D724	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D726	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D727	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D800-803	941209000470S	ESD DIODE(RSB6.8S 150mW,6.8V EMD2 ROHM)		414-DJ1100G-207	
D804	nsp	SWITCHING DIODE(1SS355,UMD2,SMD,TAPING)		414-CD1000-075	
D805,806	nsp	DIODE(SMAJ6.0A,400W/6.0V,DO-214AC)		414-UDJ200-284	
ZD700	941202004960P	ZENER DIODE(MTZJ5.1-B T-77)		414-HDJ200-056	*
ZD702	941202004970P	ZENER DIODE(MTZJ3.9-B T-77)		414-DV300-5012	*
ZD800-804	nsp	ESD DIODE(EDZCTE616.8B,150MW/6.93V,EMD2)		414-RMP3-285	



Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
<b>RESISTOR GROUP</b>					
R402,403	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)		412-900-977	
R404,405	nsp	CHIP RESISTOR(100 OHM,1/10W,J,TP,50V)		412-CDVD2001-530	
R406,407	nsp	CHIP RESISTOR(270 OHM,1/10W,J,TP ,50V)		412-007USB-698	
R408,409	nsp	CHIP RESISTOR(270KOHM,1/10W,F,TP 0603,50V)		412-900-974	
R410,411	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP ,50V)		412-007USB-704	
R412	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R413	nsp	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)		412-900-1060	
R415	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R416,417	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R418,419	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R420-423	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R424-426	nsp	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)		412-900-1060	
R428-430	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R433,434	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)		412-900-977	
R435,436	nsp	CHIP RESISTOR(100 OHM,1/10W,J,TP,50V)		412-CDVD2001-530	
R437,438	nsp	CHIP RESISTOR(270 OHM,1/10W,J,TP ,50V)		412-007USB-698	
R439,440	nsp	CHIP RESISTOR(270KOHM,1/10W,F,TP 0603,50V)		412-900-974	
R441,442	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP ,50V)		412-007USB-704	
R443,444	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R445	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R446	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R447,448	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R449	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R450	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R451-454	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R455-458	nsp	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)		412-900-1060	
R459-461	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R462,463	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)		412-900-977	
R464,465	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R468,469	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R470,471	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R472,473	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R474	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R475	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R476,477	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R478-481	nsp	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)		412-900-1060	
R482-484	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R485,486	nsp	CHIP RESISTOR(51KOHM,1/10W,J,TP 0603,50V)		412-900-977	
R487,488	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R491,492	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R493,494	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R495,496	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R497-500	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R501-504	nsp	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)		412-900-1060	
R505-507	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R508-511	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R512,513	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R514,515	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-532	
R516,517	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R518,519	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-532	
R520-526	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R527	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R528,529	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R530-532	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R600	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R601-604	nsp	CHIP RESISTOR(1.5K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-550	
R605-608	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R609,610	nsp	CHIP RESISTOR(1.5K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-550	
R611-614	nsp	CHIP RESISTOR(680 OHM,1/10W,J,TP ,50V)		412-900-1060	
R615,616	nsp	CHIP RESISTOR(1.5K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-550	
R617,618	nsp	CHIP RESISTOR(3.9K OHM,1/10W,J,TP 0603,50V)		412-007USB-700	
R619,620	nsp	CHIP RESISTOR(3.9K OHM,1/10W,J,TP 0603,50V)		412-007USB-700	
R621-624	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R625-628	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	
R629-632	nsp	CHIP RESISTOR(300OHM,1/10W,F,TP 0603,50V)		412-900-975	
R633,634	nsp	CHIP RESISTOR(15K OHM,1/10W,0603,J,TP ,50V)		412-007USB-687	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
R635,636	nsp	CHIP RESISTOR(6.8K,1/10W,J,0603,50V)		412-900-985	
R637,638	nsp	CHIP RESISTOR(2.2K OHM,1/10W,0603,J,TP ,50V)		412-007USB-693	
R639,640	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-537	
R641,642	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	
R643,644	nsp	CHIP RESISTOR(820OHM,1/10W,J,TP 0603,50V)		412-900-1010	
R645,646	nsp	CHIP RESISTOR(180OHM,1/10W,F,TP 0603,50V)		412-900-1014	
R647-650	nsp	CHIP RESISTOR(6.8K,1/10W,J,0603,50V)		412-900-985	
R651,652	nsp	CHIP RESISTOR(15K OHM,1/10W,0603,J,TP ,50V)		412-007USB-687	
R653-656	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-523	
R657,658	nsp	CHIP RESISTOR(15K OHM,1/10W,0603,J,TP ,50V)		412-007USB-687	
R659,660	nsp	CHIP RESISTOR(3.9K OHM,1/10W,J,TP 0603,50V)		412-007USB-700	
R661,662	nsp	CHIP RESISTOR(3.9K OHM,1/10W,J,TP 0603,50V)		412-007USB-700	
R663-666	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R667-670	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	
R671-674	nsp	CHIP RESISTOR(300OHM,1/10W,F,TP 0603,50V)		412-900-975	
R675-680	nsp	CHIP RESISTOR(6.8K,1/10W,J,0603,50V)		412-900-985	
R681-684	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R685,686	nsp	CHIP RESISTOR(6.8K,1/10W,J,0603,50V)		412-900-985	
R687,688	nsp	CHIP RESISTOR(2.7K OHM,1/10W,V,J,TP,50V)		412-007USB-677	
R689,690	nsp	CHIP RESISTOR(820OHM,1/10W,J,TP 0603,50V)		412-900-1010	
R692,691	nsp	CHIP RESISTOR(180OHM,1/10W,F,TP 0603,50V)		412-900-1014	
R697,698	nsp	CHIP RESISTOR(15K OHM,1/10W,0603,J,TP ,50V)		412-007USB-687	
R699-702	nsp	CHIP RESISTOR(6.8K,1/10W,J,0603,50V)		412-900-985	
R703,704	nsp	CHIP RESISTOR(15K OHM,1/10W,0603,J,TP ,50V)		412-007USB-687	
R705	nsp	CHIP RESISTOR(120K OHM,1/10W, 0603,J,TP,50V)		412-007USB-689	
R706	nsp	CHIP RESISTOR(820OHM,1/10W,0603 F,TAPING)		412-MC6000-1469	
R707	nsp	CHIP RESISTOR(2KOHM,1/10W,0603 F,TAPING)		412-MC6000-1470	
R708-710	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R711,722	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-537	
R712	nsp	CHIP RESISTOR(47K OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-532	
R714,715	nsp	CHIP RESISTOR(4.7K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-523	
R718	nsp	CHIP RESISTOR(560 OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-549	
R720	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-537	
R721	nsp	CHIP RESISTOR(3.3K OHM,1/10W, 0603,J,TP,50V)		412-007USB-699	
R723-725	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R726	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R727	nsp	CHIP RESISTOR(5.1K OHM,1/10W,0603,J,TP ,50V)		412-007USB-673	
R728	nsp	CHIP RESISTOR(10K OHM,1/10W,F,TP 0603,50V)		412-11-1250	
R729	nsp	CHIP RESISTOR(15K OHM,F,TP 0603)		412-MC6000-1444	
R730	nsp	CHIP RESISTOR(39K OHM,1/10W,0603,J,TP ,50V)		412-007USB-706	
R731	nsp	CHIP RESISTOR(68KΩ,1/10W,J,TP 0603,50V)		412-U5000-1140	
R732	nsp	CHIP RESISTOR(30KOHM,1/10W,J,TP 0603,50V)		412-007USB-672	
R733	nsp	CHIP RESISTOR(15K OHM,F,TP 0603)		412-MC6000-1444	
R734	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
R735	nsp	CHIP RESISTOR(10K OHM,1/10W,F,TP 0603,50V)		412-11-1250	
R736	nsp	CHIP RESISTOR(39 OHM,1/10W,0603,J,TP ,50V)		412-DCM280-755	
R737	nsp	CHIP RESISTOR(150K OHM,F,TP 0603)		412-MC6000-1443	
R738	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R739	nsp	CHIP RESISTOR(30KOHM,1/10W,J,TP 0603,50V)		412-007USB-672	
R740	nsp	CHIP RESISTOR(68KΩ,1/10W,J,TP 0603,50V)		412-U5000-1140	
R741	nsp	CHIP RESISTOR(5.6K OHM,1/10W,0603,J,TP ,50V)		412-007USB-701	
R742	nsp	CHIP RESISTOR(15K OHM,F,TP 0603)		412-MC6000-1444	
R743	nsp	CHIP RESISTOR(100 OHM,1/10W,J,TP,50V)		412-CDVD2001-530	
R744	nsp	CHIP RESISTOR(8.2K,1/10W,F,TP 0603,50V)		412-900-987	
R745	nsp	CHIP RESISTOR(180K OHM,F,TP 0603)		412-MC6000-1445	
R746	nsp	CHIP RESISTOR(30K OHM,F,TP 0603)		412-MC6000-1446	
R748	nsp	CHIP RESISTOR(22K OHM,1/10W,0603,J,TP ,50V)		412-007USB-704	
R749	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R750	nsp	CHIP RESISTOR(9.1K OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-543	
R751-753	nsp	CARBON FILM RESISTOR(47K OHM,1/4W,J,T-26)		412-HT7016-233	
R754-756	nsp	CHIP RESISTOR(100K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-537	
R757	nsp	CHIP RESISTOR(10K OHM,1/10W,F,TP 0603,50V)		412-11-1250	
R800	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP 50V)		412-CDVD2001-521	
R801,802	nsp	CHIP RESISTOR(33OHM,1/10W,J,TP 0603,50V)		412-007USB-782	
R803	nsp	CHIP RESISTOR(1.5K OHM,1/10W,0603 ,J,TP ,50V)		412-CDVD2001-550	
R804	nsp	CHIP RESISTOR(3.09K OHM,1/10W,F,TP 0603,50V)		412-PDJ1-1291	
R806-809	nsp	CHIP RESISTOR(100 OHM,1/10W,J,TP,50V)		412-CDVD2001-530	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
R810	nsp	CHIP RESISTOR(82 OHM,1/10W,J,TP 0603,50V)		412-ID-1297	
R811	nsp	CHIP RESISTOR(200 OHM,1/10W,J,TP 0603,50V)		412-MH2-1138	
R813	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R819	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R821	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R823	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R825	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R825	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R826	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R828	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R828	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R831	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R832	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R832-834	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R834,833	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R836-839	nsp	CHIP RESISTOR(100 OHM,1/10W,J,TP,50V)		412-CDVD2001-530	
R840,841	nsp	CHIP RESISTOR((47 OHM,1/10W,0603M,J,TP ,50V)		412-007USB-697	
R842-844	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R845	nsp	CHIP RESISTOR(220 OHM,1/10W,0603 ,J,TP 50V)		412-CDVD2001-521	
R846-852	nsp	CHIP RESISTOR((47 OHM,1/10W,0603M,J,TP ,50V)		412-007USB-697	
R854,855	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R856,857	nsp	CHIP RESISTOR(330HM,1/10W,J,TP 0603,50V)		412-007USB-782	
R859-862	nsp	CHIP RESISTOR(330HM,1/10W,J,TP 0603,50V)		412-007USB-782	
R863	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R864	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R865	nsp	CHIP RESISTOR(1M OHM,1/10W,J,TP ,50V)		412-CDVD2001-546	
R866-871	nsp	CHIP RESISTOR(330HM,1/10W,J,TP 0603,50V)		412-007USB-782	
R872	nsp	CHIP RESISTOR(10K OHM,1/10W,J,TP ,50V)		412-CDVD2001-534	
R874-926	nsp	CHIP RESISTOR(330HM,1/10W,J,TP 0603,50V)		412-007USB-782	
R928	nsp	CHIP RESISTOR(560 OHM,1/10W,0603,J,TP ,50V)		412-CDVD2001-549	
R929-931	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R932-934	nsp	CHIP RESISTOR(150 OHM,1/10W,0603,J,TP ,50V)		412-CD900-795	
R935-971	nsp	CHIP RESISTOR(330HM,1/10W,J,TP 0603,50V)		412-007USB-782	
R974	nsp	CHIP RESISTOR(22 OHM,1/10W,0603,F,TP ,50V)		412-CDVD2001-554	
R975	nsp	CHIP RESISTOR(1200HM,1/10W,J,TP 0603,50V)		412-007USB-781	
R990-995	nsp	CHIP RESISTOR(0 OHM,1/10W3 ,J,TP,50V)		412-CDVD2001-552	
R998	nsp	CHIP RESISTOR(1 OHM,1/10W,0603,J, TP ,50V)		412-007USB-695	
R999	nsp	CHIP RESISTOR(1K OHM,1/10W, 0603,J,TP,50V)		412-CDVD2001-540	
<b>CAPACITORS GROUP</b>					
C402,403	nsp	CHIP CAPACITOR(100pF/50V,J,0603 TYPE,NPO)		413-DCM280-767	
C404,405	nsp	ELEC.CAPACITOR(100uF/16V,M,105°C ,TAPING 5*11)		413-PXE90-109	
C406,407	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C408,409	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C410,411	nsp	POLYESTER CAPACITOR(0.012uF/50V,J,TAPING)		413-3113-060	
C412,413	nsp	POLYESTER CAPACITOR(0.0033uF/100V,J,TAPING)		413-KT300-103	
C414-417	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TYPE,NPO)		413-007USB-786	
C418,419	nsp	ELEC. CAPACITOR ( 47uF/25V M 105°C , TAPING 5*11 ) (Cd,Pb,Hg,Cr)		413-HS100-181	
C420-423	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C424-427	nsp	CHIP CAPACITOR(22pF/50V,J,0603 TYPE,NPO)		413-CR701-5161	
C428	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C429,430	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C431	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C432,433	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C434,C435	nsp	E/C(47uF/16V,M,105°C ,TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C436-440	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C441	nsp	E/C(47uF/16V,M,105°C ,TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C442	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C443	nsp	E/C(47uF/16V,M,105°C ,TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C444,445	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C446,447	nsp	CHIP CAPACITOR(100pF/50V,J,0603 TYPE,NPO)		413-DCM280-767	
C448,449	nsp	ELEC.CAPACITOR(100uF/16V,M,105°C ,TAPING 5*11)		413-PXE90-109	
C450,451	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C452,453	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C454,455	nsp	POLYESTER CAPACITOR(0.012uF/50V,J,TAPING)		413-3113-060	
C456,457	nsp	POLYESTER CAPACITOR(0.0033uF/100V,J,TAPING)		413-KT300-103	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
C462,463	nsp	ELEC. CAPACITOR ( 47uF/25V M 105°C , TAPING 5*11 )(Cd,Pb,Hg,Cr)		413-HS100-181	
C464-467	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C468-471	nsp	CHIP CAPACITOR(22pF/50V,J,0603 TYPE,NPO)		413-CR701-5161	
C472	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C473,474	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C475	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C478,C479	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C480-484	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C485	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C486	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C487	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C490,491	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C492,493	nsp	ELEC. CAPACITOR ( 47uF/25V M 105°C , TAPING 5*11 )(Cd,Pb,Hg,Cr)		413-HS100-181	
C494,495	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C496-499	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C500-503	nsp	CHIP CAPACITOR(22pF/50V,J,0603 TYPE,NPO)		413-CR701-5161	
C506,507	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C508,509	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C510,C511	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C512-516	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C517	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C518	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C519	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C520,521	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C522,523	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C524,525	nsp	ELEC. CAPACITOR ( 47uF/25V M 105°C , TAPING 5*11 )(Cd,Pb,Hg,Cr)		413-HS100-181	
C528-531	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C532-535	nsp	CHIP CAPACITOR(22pF/50V,J,0603 TYPE,NPO)		413-CR701-5161	
C538,539	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C541,540	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C542,C543	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C544-548	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C549	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C550	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C551	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C552-555	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C556-559	nsp	ELEC. CAPACITOR(22uF/16V,M,105°C , TAPING 4*7,MINI)		413-SPPW3-236	
C560,561	nsp	CHIP CAPACITOR(47pF/50V,J,0603 TYPE,NPO)		413-007USB-784	
C562,563	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C564,565	nsp	CHIP CAPACITOR(47pF/50V,J,0603 TYPE,NPO)		413-007USB-784	
C566-571	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C572-575	nsp	CHIP CAPACITOR(22pF/50V,J,0603 TYPE,NPO)		413-CR701-5161	
C576,577	nsp	ELEC. CAPACITOR ( 47uF/25V M 105°C , TAPING 5*11 )(Cd,Pb,Hg,Cr)		413-HS100-181	
C578,579	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C580,581	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C582,C583	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C584-586	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C587	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C588	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C589	nsp	E/C(47uF/16V,M,105°C , TAPING,5*7,SS)(Cd,Pb,Hg,Cr)		413-CDVD2001-265	
C590-599	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C600	nsp	ELEC. CAPACITOR(10uF/50V,M,105°C , TAPING 5*7,MINI)		413-DM1000-348	
C601	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C602,603	nsp	ELEC. CAPACITOR(100uF/10V,M)(Cd,Pb,Hg,Cr)		413-HMA2200-5017	
C604,605	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C606	nsp	ELEC. CAPACITOR(47uF/10V,M,TAPING 4*7,MINI)		413-810-920	
C607	nsp	ELEC. CAPACITOR(10uF/25V,M,105°C , TAPING 4*7,MINI)(Cd,Pb,Hg,Cr)		413-SPPW3-235	
C608-611	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C612-615	nsp	CHIP CAPACITOR(330pF/50V,J,0603 TYPE,NPO)		413-900-925	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
C616,617	nsp	CHIP CAPACITOR(1500pF/50V,K,0603 TYPE,X7R)		413-DCM280-769	
C618-621	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C622-625	nsp	CHIP CAPACITOR((680pF/50V,J,0603 TYPE,NPO)		413-007USB-785	
C626	nsp	CHIP CAPACITOR(68pF/50V,J,0603 TYPE,NPO)		413-DCM280-766	
C627	nsp	CHIP CAPACITOR(68pF/50V,J,0603 TYPE,NPO)		413-DCM280-766	
C628-631	nsp	ELEC.CAPACITOR(100uF/16V,M,105°C ,TAPING 5*11)		413-PXE90-109	
C634-637	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TYPE,NPO)		413-007USB-786	
C640,641	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C642,643	nsp	CHIP CAPACITOR((680pF/50V,J,0603 TYPE,NPO)		413-007USB-785	
C644,645	nsp	ELEC. CAPACITOR(10uF/25V,M,105°C ,TAPING 4*7,MINI)(Cd,Pb,Hg,Cr)		413-SPPW3-235	
C646	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C647,648	nsp	ELEC. CAPACITOR(10uF/25V,M,105°C ,TAPING 4*7,MINI)(Cd,Pb,Hg,Cr)		413-SPPW3-235	
C649	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C650	nsp	ELEC. CAPACITOR(10uF/25V,M,105°C ,TAPING 4*7,MINI)(Cd,Pb,Hg,Cr)		413-SPPW3-235	
C651	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C652	nsp	ELEC. CAPACITOR(10uF/25V,M,105°C ,TAPING 4*7,MINI)(Cd,Pb,Hg,Cr)		413-SPPW3-235	
C657,658	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C659,660	nsp	CHIP CAPACITOR(68pF/50V,J,0603 TYPE,NPO)		413-DCM280-766	
C661-664	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C665-668	nsp	CHIP CAPACITOR(68pF/50V,J,0603 TYPE,NPO)		413-DCM280-766	
C669-672	nsp	ELEC.CAPACITOR(100uF/16V,M,105°C ,TAPING 5*11)		413-PXE90-109	
C675-378	nsp	CHIP CAPACITOR(470pF/50V,J,0603 TYPE,NPO)		413-007USB-786	
C683,684	nsp	CHIP CAPACITOR(330pF/50V,J,0603 TYPE,NPO)		413-900-925	
C685,686	nsp	CHIP CAPACITOR(150pF/50V,J,0603 TYPE,NPO)		413-900-931	
C687,688	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C689,690	nsp	CHIP CAPACITOR(150pF/50V,J,0603 TYPE,NPO)		413-900-931	
C696,695	nsp	CHIP CAPACITOR(150pF/50V,J,0603 TYPE,NPO)		413-900-931	
C697,698	nsp	CHIP CAPACITOR(68pF/50V,J,0603 TYPE,NPO)		413-DCM280-766	
C699,700	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C701,702	nsp	CHIP CAPACITOR(68pF/50V,J,0603 TYPE,NPO)		413-DCM280-766	
C703,704	nsp	ELEC. CAPACITOR(2.2uF/50V,M)(Cd,Pb,Hg,Cr)		413-DV300-5156	
C705,706	nsp	CHIP CAPACITOR(2.2uF/16V,Z,1206 TYPE,Y5V)		413-U5000-1005	
C707	nsp	ELEC. CAPACITOR(470uF/25V,M, 105°C ,BULK 10*12)(Cd,Pb,Hg,Cr)		413-DCM380-793	
C708,709	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C710	nsp	ELEC. CAPACITOR(22uF/25V,M,105°C ,TAPING 5*7,MINI)(Cd,Pb,Hg,Cr)		413-CDMIX2-631	
C711	nsp	ELEC. CAPACITOR(470uF/25V,M, 105°C ,BULK 10*12)(Cd,Pb,Hg,Cr)		413-DCM380-793	
C712,713	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C714	nsp	ELEC. CAPACITOR(220uF/16V,TAPING,6.3*11,105°C SG)		413-MC6000-1190	
C715	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C716	nsp	ELEC. CAPACITOR(10uF/50V,M,105°C ,TAPING 5*7,MINI)		413-DM1000-348	
C717,718	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C719	nsp	ELEC. CAPACITOR(10uF/50V,M,105°C ,TAPING 5*7,MINI)		413-DM1000-348	
C720	nsp	CHIP CAPACITOR(0.1uF/50V,K TAPING,X7R/1206)		413-SX2800-912	
C721	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C722	nsp	ELEC. CAPACITOR(10uF/50V,M,105°C ,TAPING 5*7,MINI)		413-DM1000-348	
C723	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C724	nsp	ELEC. CAPACITOR(220uF/16V,M,105°C ,TAPING 6.3*7,MINI)(Cd,Pb,Hg,Cr)		413-RMX30-883	
C725	nsp	ELEC. CAPACITOR(47uF/10V,M,TAPING 4*7,MINI)		413-810-920	
C726,727	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C728	nsp	ELEC. CAPACITOR((100UF/25V,TAPING,6.3*11,105°C SG)		413-MC6000-1191	
C729	nsp	ELEC. CAPACITOR(1000uF/10V,TAPING,8*16,105°C SG)		413-MC6000-1193	
C730	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
C731	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C732,733	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C734	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C735	nsp	ELEC. CAPACITOR(1000uF/25V)		413-MC6000-1202	
C736	nsp	ELEC. CAPACITOR((100UF/25V,TAPING,6.3*11,105°C SG)		413-MC6000-1191	
C737	nsp	CHIP CAPACITOR(10uF/16V,1206 TYPE,Y5V,Z)		413-MC6000-1180	
C738	nsp	CHIP CAPACITOR(1uF/16V,Z,0603 TYPE,Y5V)		413-007USB-797	
C739	nsp	CHIP CAPACITOR(6800pF/50V,J,0603 TYPE)		413-900-944	
C740	nsp	CHIP CAPACITOR(0.047uF/50,Z,0603 TYPE,Y5V)		413-DCM280-772	
C741,742	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C743	nsp	CHIP CAPACITOR(10uF/16V,1206 TYPE,Y5V,Z)		413-MC6000-1180	
C744	nsp	CHIP CAPACITOR(3300pF/50V,K,0603 TYPE,X7R)		413-DCM280-770	
C745	nsp	ELEC. CAPACITOR((100UF/25V,TAPING,6.3*11,105°C SG)		413-MC6000-1191	
C746	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C747	nsp	ELEC. CAPACITOR(1000uF/25V)		413-MC6000-1202	
C748-751	nsp	CHIP CAPACITOR( 220pF/50V,0603,TYPE NPO)		413-007USB-787	
C752	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C753,754	nsp	CHIP CAPACITOR(4.7uF/25V,1206 TYPE,Y5V,Z)		413-MC6000-1179	
C755-761	nsp	CHIP CAPACITOR(0.01uF/50V,J,0603 TYPE,NPO)		413-DCM280-889	
C762	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C765	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C766	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C767	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C768	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C769	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C770	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C771	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C772	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C773	nsp	ELEC. CAPACITOR(2200uF/16V)		413-MC6000-1195	
C774	nsp	CHIP CAPACITOR(4.7uF/25V,1206 TYPE,Y5V,Z)		413-MC6000-1179	
C775,776	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C777-779	nsp	ELEC. CAPACITOR(470uF/25V,M, 105°C ,BULK 10*12)(Cd,Pb,Hg,Cr)		413-DCM380-793	
C780,781	nsp	POLYESTER CAPACITOR(0.1uF/63V,J,TAPING,MEM)		413-SPPW3-083A	
C783	nsp	ELEC. CAPACITOR(2.2uF/50V,M)(Cd,Pb,Hg,Cr)		413-DV300-5156	
C784,785	nsp	ELEC. CAPACITOR(10uF/25V,M,105°C ,TAPING 4*7,MINI)(Cd,Pb,Hg,Cr)		413-SPPW3-235	
C786-796	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C797	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C801-808	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C809	nsp	CHIP CAPACITOR(10uF/10V,Z,1206 TYPE,Y5V)'		413-007USB-796	
C810,811	nsp	CHIP CAPACITOR(33pF/50V,J,0603 TYPE,NPO)		413-900-926	
C812	nsp	CHIP CAPACITOR(100pF/50V,J,0603 TYPE,NPO)		413-DCM280-767	
C813	nsp	CHIP CAPACITOR(1000pF/50V,K,0603 TYPE,X7R)		413-DCM280-768	
C814	nsp	ELEC. CAPACITOR(10uF/25V,M,105°C ,TAPING 4*7,MINI)(Cd,Pb,Hg,Cr)		413-SPPW3-235	
C816	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C817	nsp	ELEC. CAPACITOR(10uF/25V,M,105°C ,TAPING 4*7,MINI)(Cd,Pb,Hg,Cr)		413-SPPW3-235	
C818-843	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C844,845	nsp	CHIP CAPACITOR(47pF/50V,J,0603 TYPE,NPO)		413-007USB-784	
C846-859	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C863	nsp	CHIP CAPACITOR(10uF/10V,Z,1206 TYPE,Y5V)'		413-007USB-796	
C864	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
C865	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
<b>OTHER PATRS GROUP</b>					
CN100A	941644004860P	20P FFC CONNECTOR(90°,52207-2085)		404-900-2082	*
CN600	nsp	5P SOCKET(CKM2501-WV-5P,180° WHITE)		404-HV3500K-622A	
CN601	nsp	6P SOCKET(CKM2001WV-6P 180° WHITE)		404-3113-052A	
F700	941652004870P	CHIP FUSE(2.5A/32V)		422-MC6000-110	*
F701	941652004880P	CHIP FUSE(2A,63V,1206 TYPE,SLO BLO LEAD FREE)		422-304-068	*

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
J600,601	941643004890P	XLR JACK		420-MC6000-353	*
JK400	941643004900P	2P RCA JACK		420-MC6000-350	*
JK401	941643004910P	6P RCA JACK		420-MC6000-352	*
JK403	941643004920P	MIC JACK(03M8007P-H)		420-MH2-223	*
JK404	00D9587060904	3P PHONE JACK(6.4,JY-6313-02-030)		420-HMJ1001-5034A	
JK602	941643004930P	4P RCA JACK		420-MC6000-351	*
JK603,604	00D9587060904	3P PHONE JACK(6.4,JY-6313-02-030)		420-HMJ1001-5034A	
JK700	941642002880S	DC POWER JACK( 2.5,DJ-0702B-025)		420-CDMIX1-078	
JK800	941643004210P	USB JACK(USB-B(F),90°,DIP)		420-007USB-150	
L700-702	nsp	BEAD CORE(A70512003, T-26mm)		415-HV3500K-090	
L703	nsp	INDUCTOR(RCR1010,100uH)		415-UDJ1-314	
L704	nsp	BEAD CORE(A70512003, T-26mm)		415-HV3500K-090	
L705,706	nsp	COIL(CDS21010-680M,68uH,1.5A)		415-MC6000-354	
L707	nsp	BEAD CORE(A70512003, T-26mm)		415-HV3500K-090	
L708	nsp	BEAD(RH03506BT-B-N,TAPING RT)		415-DCM370E3-134	
L709,710	nsp	INDUCTOR(10uH T-26mm)		415-MPG100-047	
L711-716	nsp	INDUCTOR		415-4003-343	
L800	nsp	CHIP BEAD(ACM2012-900-2P-T)		415-FU800-305	
L802,801	nsp	CHIP COIL(22uH,1A)		415-MC6000-356	
SW400-405	941664005020P	SLIDE SW(SSSF122NA1-HF,6PIN)		403-QMX1-060	*
SW700	941661002570S	POWER SWICH(PSK 1-2B-0)		403-VP9812-162	
X800	941141004940P	OSC (XTAL 6MHz,20PF)		427-DJ2500-049	*
X801	941141004950P	CRYSTAL(CSA-309,24.576MHz,3*9)		427-IQ2UM-133	*
	nsp	GROUND PLATE	JK400	300-SPIN2T-1748	
	941445005000P	JACK GROUND PLATE	JK404	300-300-1171	*
	nsp	GROUND PLATE	JK602	300-QFX19-811	
	941445005000P	JACK GROUND PLATE	JK603,604	300-300-1171	*
	nsp	PIN		300-K1000-1521	
	nsp	CORE(K5B-T-20.5*10*10.2)		415-UDJ202-352	
	nsp	HEAT SINK		425-MC6000-155	
	nsp	NUT(M3*P0.5, Cd,Pb,Hg)		601-A100-004	
	nsp	SCREW(3*5 P=0.5)		602-B300-041	
	nsp	SCREW(TTB,3*6NI)		602-SA12-377	
	nsp	SPONGE		612-DJFA-373	

## Mic EQ P.C.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
<b>SEMICONDUCTORS GROUP</b>					
IC1000,1001	941239004980P	IC(74HC4052D/74HC4052DT,SMD)		417-QSPAND-432	*
Q1000	00D9587057807	TRANSISTOR(TR DTA124TSATP)		416-KE200S-024	
D1001	nsp	SWITCHING DIODE( ISS133 T-77)		414-3113-005	
<b>RESISTOR GROUP</b>					
R1000	nsp	CARBON FILM RESISTOR((47K OHM,1/6W,J,T-26)		412-3113-063	
R1001	nsp	CARBON FILM RESISTOR(470 OHM,1/6W,J,T-26)		412-3113-056	
R1002-1009	nsp	CARBON FILM RESISTOR(1K OHM,1/6W,J,T-26)		412-3113-078	
R1010-1022	nsp	CARBON FILM RESISTOR((3.3K OHM,1/6W,J,T-26)		412-3113-057	
R1023,1024	nsp	CHIP RESISTOR(0 OHM,1/10W3,J,TP,50V)		412-CDVD2001-552	
R1025	nsp	CARBON FILM RESISTOR((47K OHM,1/6W,J,T-26)		412-3113-063	
<b>CAPACITORS GROUP</b>					
C1000-1012	nsp	CERAMIC CAPACITOR(0.01uF/50V,Z,TAPING,Z5V)		413-3113-028	
C1013,1014	nsp	CERAMIC CAPACITOR(0.1uF/50V,Z,TAPING,Y5V)		413-3113-035	
C1015,1016	nsp	CERAMIC CAPACITOR(330pF/50V,K,TAPING,Y5P)		413-KC220-116	
C1017	nsp	ELEC. CAPACITOR(100uF/10V,M)(Cd,Pb,Hg,Cr)		413-HMA2200-5017	
C1018,1019	nsp	ELEC. CAPACITOR(47uF/10V,M,TAPING 4*7,MINI)		413-810-920	
C1020	nsp	ELEC. CAPACITOR(100uF/10V,M)(Cd,Pb,Hg,Cr)		413-HMA2200-5017	
C1021-1026	nsp	CHIP CAPACITOR(0.1uF/50V,Z)		413-DCM280-773	
<b>OTHER PATRS GROUP</b>					
CN1000	nsp	2P SOCKET(CKM2501WV-2P 180°WHITE)		404-KMD1500-608A	
CN102A	941644004990P	12P FFC CONNECTOR(52207-1285)		404-4001-2235	*
JK1000	00D9587060904	3P PHONE JACK(6.4,JY-6313-02-030)		420-HMJ1001-5034A	
L1000,1001	nsp	CORE(100uH)		415-MX3-270	
SW1000	941662005010P	2P TACT SW(SFKHLLV1724,H=3.3mm)		403-MC6000-385	*
SW1001	941664005020P	SLIDE SW(SSSF122NA1-HF,6PIN)		403-QMX1-060	*
SW1002-1005	941664005030P	SLIDE SW(SSSF113NA3-HF,L=6)		403-IM-314	*
VR1000-1004	941671005050P	ROTARY V(RD901F-20B3-20F-B20K-0CD16A,L=20mm)		418-MC6000-635	*
VR1005,VR1007	941671005040P	ROTARY VR(RD901F-20B3-20F-B20K-00D17A,L20)		418-MC6000-634	*
VR1006	941671005050P	ROTARY V(RD901F-20B3-20F-B20K-0CD16A,L=20mm)		418-MC6000-635	*
W600	nsp	4P 2.5 CONNECTOR WIRE(L=630mm)		404-MC6000-3486	
JK1000	941445005000P	JACK GROUND PLATE	JK1000	300-300-1171	*
	nsp	VR FIXED PLATE		300-6000-1874	
	nsp	EQ PCB(BARE)		405-MC6000-2784	
	00D9587051706	LED(RED,LTL-16KE, $\phi$ 3)		410-CD6000-122	



### CROSS FADER P.C.B. UNIT ASS'Y

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

### SENSOR P.C.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
M301	90M-HW100770R	IC(HEDS-9700#F51)		417-PS2-504	
	nsp	4P2.5 CONNECTOR WIRE(UL2468#28,L=90mm)		404-PS2-1444A	

