

# DENON

For U.S.A., Canada, Europe, U.K.,  
Asia, China, Taiwan R.O.C., Korea  
& Japan model

## SERVICE MANUAL

# MODEL DN-X100

### DJ MIXER

**Ver. 1**

#### 注 意

サービスをおこなう前に、このサービスマニュアルを必ずお読みください。本機は、火災、感電、けがなどに対する安全性を確保するために、さまざまな配慮をおこなっており、また法的には「電気用品安全法」にもとづき、所定の許可を得て製造されております。従ってサービスをおこなう際は、これらの安全性が維持されるよう、このサービスマニュアルに記載されている注意事項を必ずお守りください。

● 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.

● 本機の仕様は性能改良のため、予告なく変更することがあります。  
● 補修用性能部品の保有期間は、製造打切後8年です。

● 修理の際は、必ず取扱説明書を参照の上、作業を行ってください。

● 本文中に使用しているイラストは、説明の都合上現物と多少異なる場合があります。

## DENON, Ltd.

TOKYO, JAPAN

## 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.

#### 注 意

サービス、点検時には次のことにご注意願います。

#### ●注意事項をお守りください！

サービスのとき特に注意を必要とする個所については、キャビネット、部品、シャーシなどにラベルや捺印で、注意事項を表示しています。これらの注意書きおよび取扱説明書などの注意事項を必ずお守りください。

#### ●感電に注意！

- (1) このセットは、交流電圧が印加されていますので、通電時に内部金属部に触れると感電することがあります。従って通電サービス時には、絶縁トランスの使用や手袋の着用、部品交換には、電源プラグを抜くなどして、感電にご注意ください。
- (2) 内部には、高電圧の部分がありますので、通電時の取扱には、十分ご注意ください。

#### ●指定部品の使用！

セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。従って交換部品は、使用されていたものと同じ特性の部品を使用してください。特に配線図、部品表に△印で指定されている安全上重要な部品は必ず指定のものをご使用ください。

#### ●部品の取付けや配線の引きまわしは、元どおりに！

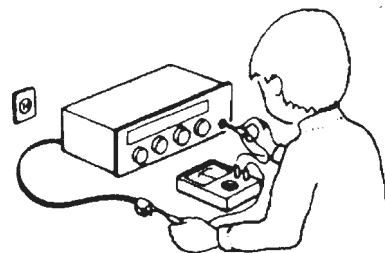
安全上、テープやチューブなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。また内部配線は引きまわしやクランプによって発熱部品や高圧部品に接近しないように配慮されていますので、これらは必ず元どおりにしてください。

#### ●サービス後は安全点検を！

サービスのために取り外したねじ、部品、配線などが元どおりになっているか、またサービスした個所の周辺を劣化させてしまったところがないかなどを点検し、外部金属端子部と、電源プラグの刃の間の絶縁チェックをおこなうなど、安全性が確保されていることを確認してください。

#### (絶縁チェックの方法)

電源コンセントから電源プラグを抜き、アンテナや、プラグなどを外し、電源スイッチを入れます。500V絶縁抵抗計を用いて、電源プラグのそれぞれの端子と、外部露出金属部〔アンテナ端子、ヘッドホン端子、マイク端子、入力端子など〕との間で、絶縁抵抗値が1MΩ以上であること、この値以下のときは、セットの点検修理が必要です。



#### 注 意

#### 安全上重要な部品について

本機に使用している多くの電気部品、および機構部品は安全上、特別な特性を持っています。この特性はほとんどの場合、外観では判別つきにくく、また、もとの部品より高い定格（定格電力、耐圧）を持ったものを使用しても安全性が維持されるとは、限りません。安全上の特性を持った部品は、このサービスマニュアルの配線図、部品表につぎのように表示していますので、必ず指定されている部品番号のものを使用願います。

(1) 配線図… △マークで表示しています。

(2) 部品表… △マークで表示しています。

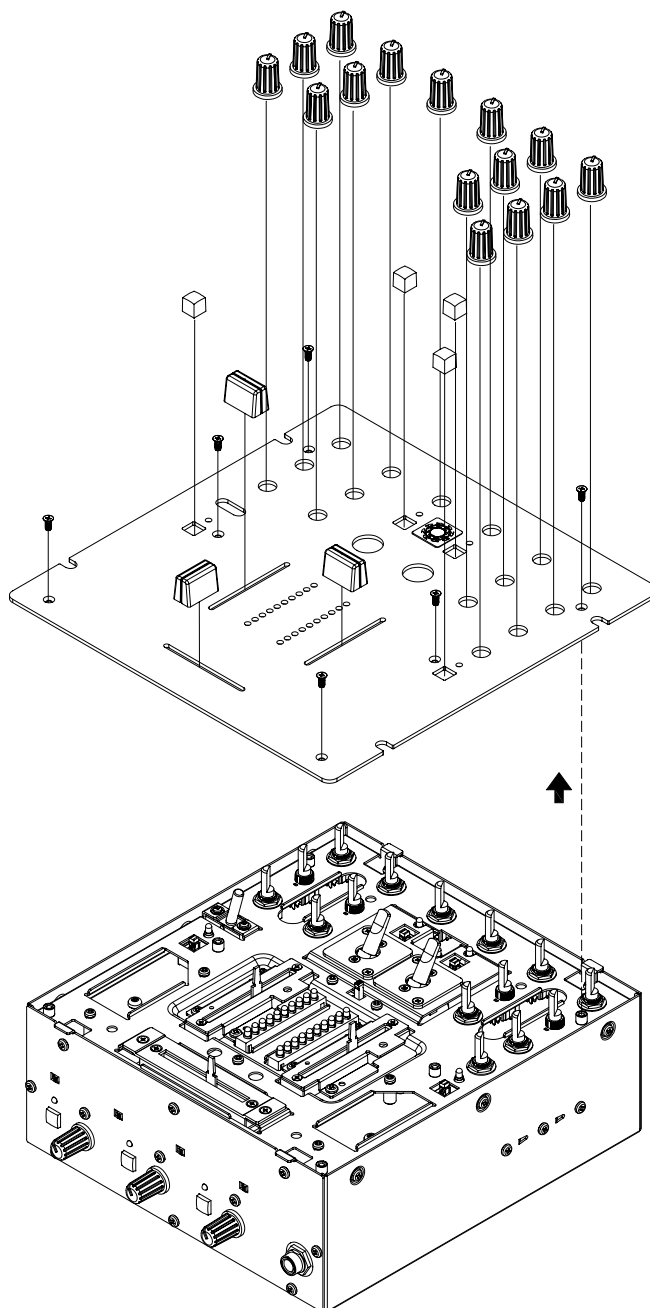
指定された部品と異なるものを使用した場合には、感電、火災などの危険を生じる恐れがあります。

## DISASSEMBLY

(Follow the procedure below in reverse order when reassembling.)

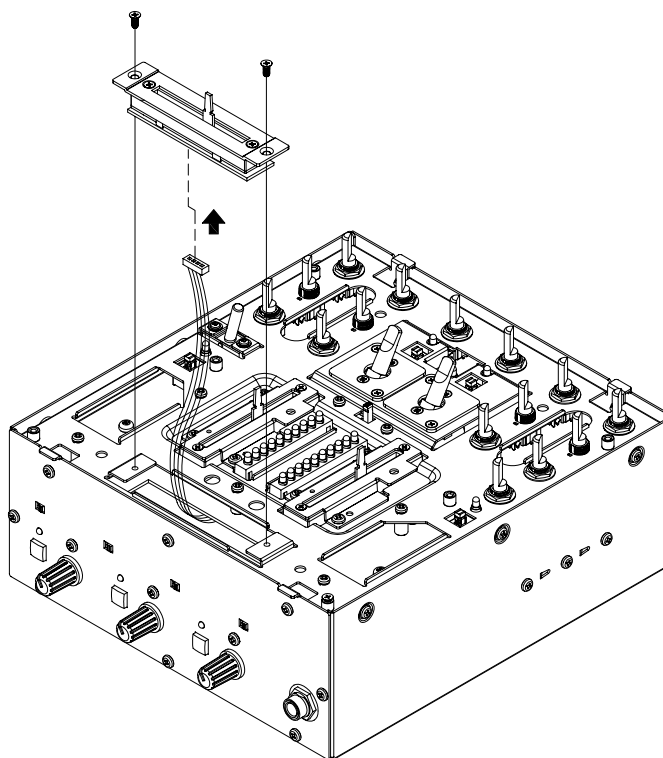
### 1. Top Panel

- (1) Pull out the Knobs from the Top Panel.
- (2) Remove the 6 screws attaching the Top Panel.
- (3) Pull up the Top Panel.



## 2. Crossfader Unit

- (1) Remove the 2 screws attaching the Crossfader Unit.
- (2) Pull up the Crossfader Unit and disconnect the connector.

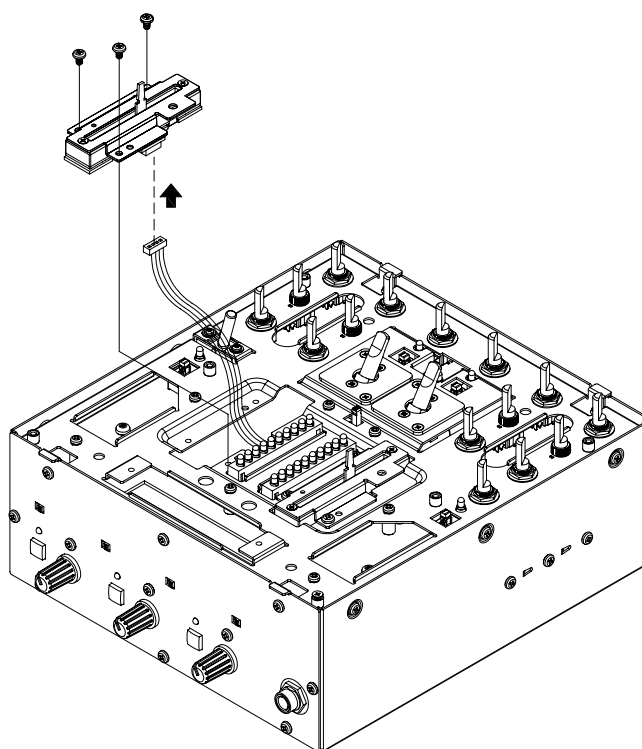


**Note:**

- Be careful in the attachment direction.

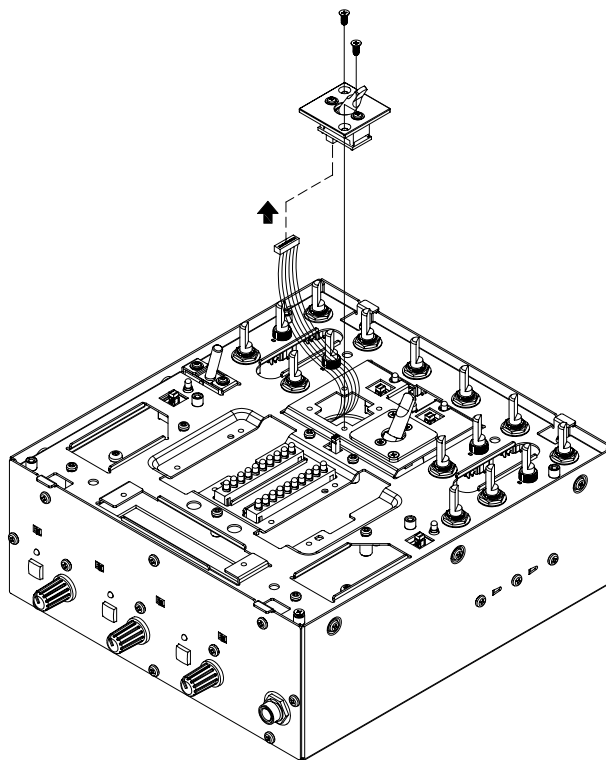
## 3. Channel Fader Unit

- (1) Remove the 3 screws attaching the Channel Fader Unit.
- (2) Pull up the Channel Fader Unit and disconnect the connector.



## 4. Input Selector Unit

- (1) Remove the 2 screws attaching the Input Selector Unit.
- (2) Pull up the Input Selector Unit and disconnect the connector.

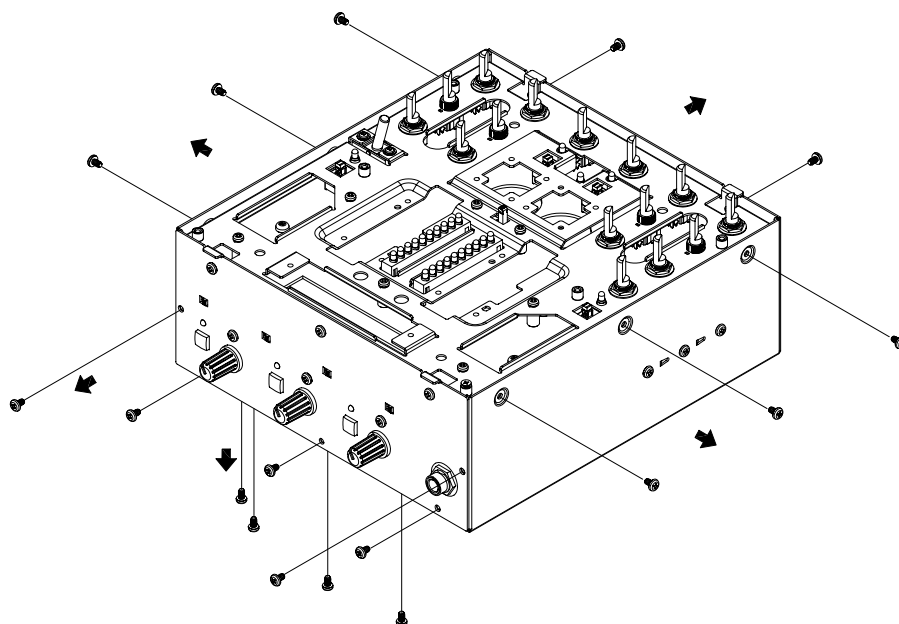


### Note:

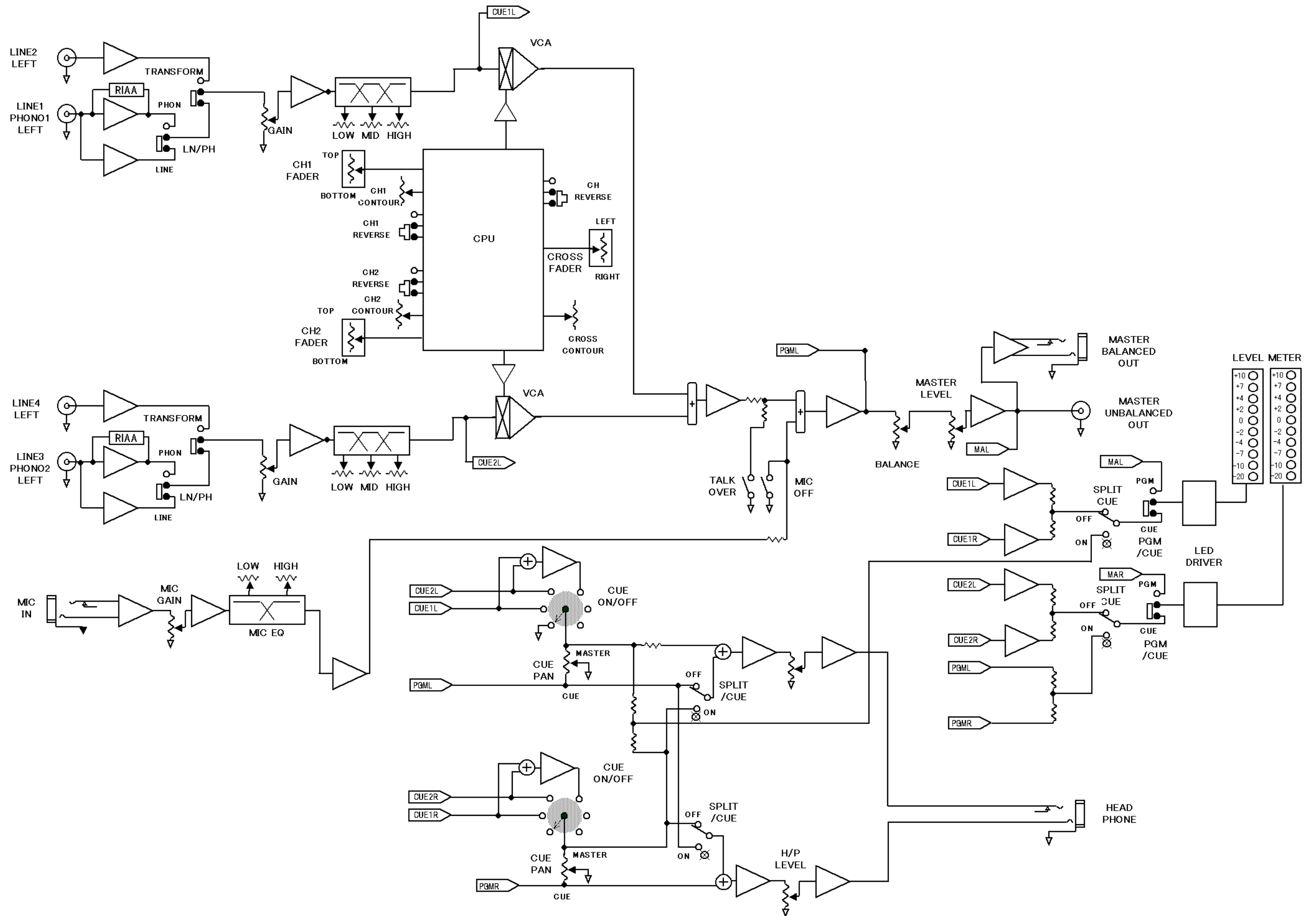
- Be careful in the attachment direction.

## 5. Top Panel Unit

- (1) Remove the 6 screws from the both-sides side.
- (2) Remove the 2 screws from the rear side.
- (3) Remove the 5 screws from the front side.
- (4) Remove the 4 screws from the bottom side.
- (5) Pull up the front side of the Top Unit.
- (6) Disconnect the connectors.



BLOCK DIAGRAM



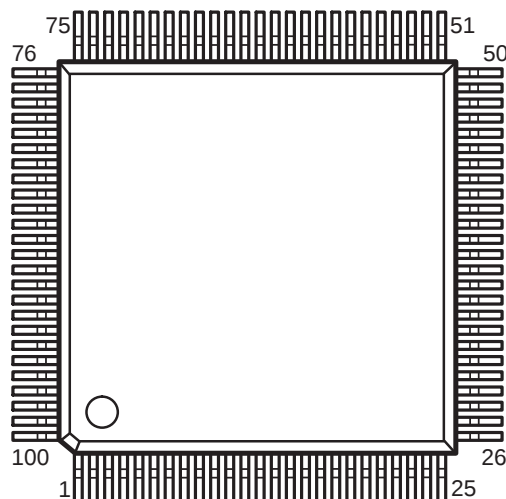
## SEMICONDUCTORS

Only major semiconductors are shown, general semiconductors etc. are omitted to list.

主な半導体を記載しています。汎用の半導体は記載を省略しています。

### 1. IC's

#### MAX003 (IC801)



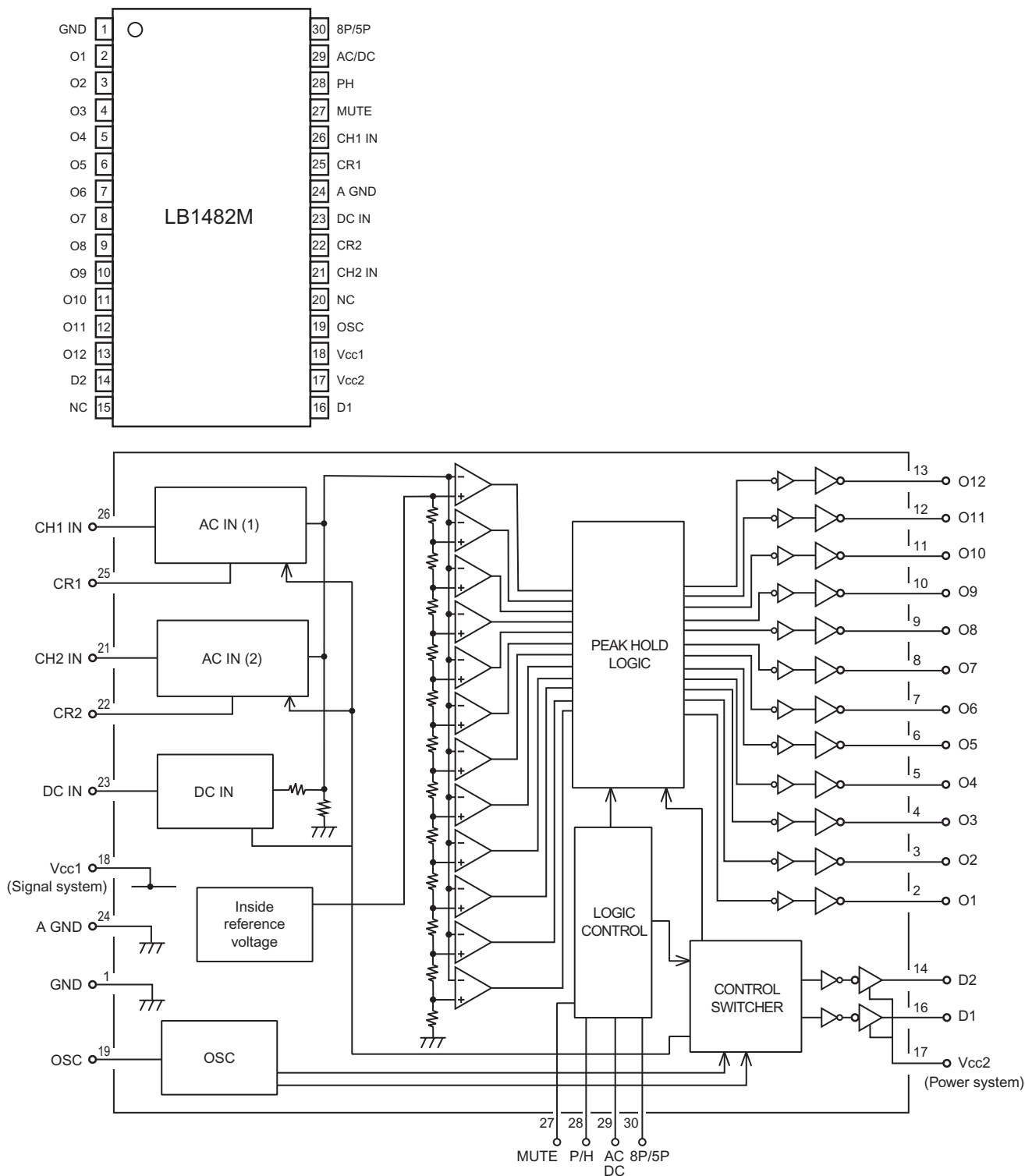
#### MAX003 Terminal Function

| Pin No. | Pin Name | Symbol | I/O | Det | Int Pu | Ext | Res | Ini | Function                                                                                         |
|---------|----------|--------|-----|-----|--------|-----|-----|-----|--------------------------------------------------------------------------------------------------|
| 1       | VCL      | VCL    | -   | -   | -      | -   | -   | -   | VCL(capacitor between this pin and GND)in 5V operation models,and as Vcc in 3V operation models. |
| 2       | PB0      | CH1FS  | I   | -   | -      | Pu  | L   | H   | CH1 FADER START SW 'L' : ON                                                                      |
| 3       | PB1      | PB1    | O   | -   | -      | Pu  | L   | L   | Not used                                                                                         |
| 4       | PB2      | PB2    | O   | -   | -      | Pu  | L   | L   | Not used                                                                                         |
| 5       | PB3      | PB3    | O   | -   | -      | Pu  | L   | L   | Not used                                                                                         |
| 6       | PB4      | PB4    | O   | -   | -      | Pu  | L   | L   | Not used                                                                                         |
| 7       | PB5      | PB5    | O   | -   | -      | Pu  | L   | H   | Not used                                                                                         |
| 8       | PB6      | FX2SW  | I   | -   | -      | Pu  | L   | H   | PGM2 EFFECT LOOP ON/OFF SW 'L' : ON (DN-X300 only)                                               |
| 9       | PB7      | CHREV  | I   | -   | -      | Pu  | L   | H   | CH REVERSE SW 'L' : ON                                                                           |
| 10      | _RESO    | _RESO  | O   | -   | -      | -   | -   | -   | Not used                                                                                         |
| 11      | Vss      | Vss    | -   | -   | -      | -   | -   | -   | GND(0V)                                                                                          |
| 12      | P90      | P90    | O   | -   | -      | -   | L   | L   | Not used                                                                                         |
| 13      | P91      | P91    | O   | -   | -      | -   | L   | L   | Not used                                                                                         |
| 14      | P92      | P92    | O   | -   | -      | -   | L   | L   | Not used                                                                                         |
| 15      | P93      | P93    | O   | -   | -      | -   | L   | L   | Not used                                                                                         |
| 16      | P94      | P94    | O   | -   | -      | -   | L   | L   | Not used                                                                                         |
| 17      | P95      | P95    | O   | -   | -      | -   | L   | L   | Not used                                                                                         |
| 18      | P40      | P40    | O   | -   | ON     | -   | L   | L   | Not used                                                                                         |
| 19      | P41      | P41    | O   | -   | ON     | -   | L   | L   | Not used                                                                                         |
| 20      | P42      | P42    | O   | -   | ON     | -   | L   | L   | Not used                                                                                         |
| 21      | P43      | PC1A   | I/O | -   | ON     | -   | L   | H   | PGM1 Fader PLAY output 30msec 'L' pulse                                                          |
| 22      | Vss      | Vss    | -   | -   | -      | -   | -   | -   | GND(0V)                                                                                          |
| 23      | P44      | PC1B   | I/O | -   | ON     | -   | L   | H   | PGM1 Fader CUE output 30msec 'L' pulse                                                           |
| 24      | P45      | PC2A   | I/O | -   | ON     | -   | L   | H   | PGM2 Fader PLAY output 30msec 'L' pulse                                                          |
| 25      | P46      | PC2B   | I/O | -   | ON     | -   | L   | H   | PGM2 Fader CUE output 30msec 'L' pulse                                                           |
| 26      | P47      | P47    | O   | -   | ON     | -   | L   | L   | Not used                                                                                         |
| 27      | D8       | D0     | D/I | -   | -      | -   | -   | -   | Data bus                                                                                         |
| 28      | D9       | D1     | D/I | -   | -      | -   | -   | -   | Data bus                                                                                         |
| 29      | D10      | D2     | D/I | -   | -      | -   | -   | -   | Data bus                                                                                         |
| 30      | D11      | D3     | D/I | -   | -      | -   | -   | -   | Data bus                                                                                         |
| 31      | D12      | D4     | D/I | -   | -      | -   | -   | -   | Data bus                                                                                         |
| 32      | D13      | D5     | D/I | -   | -      | -   | -   | -   | Data bus                                                                                         |

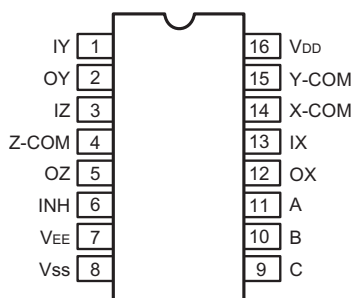
| Pin No. | Pin Name | Symbol   | I/O | Det | Int Pu | Ext | Res | Ini  | Function                                                                |
|---------|----------|----------|-----|-----|--------|-----|-----|------|-------------------------------------------------------------------------|
| 33      | D14      | D6       | D/I | -   | -      | -   | -   | -    | Data bus                                                                |
| 34      | D15      | D7       | D/I | -   | -      | -   | -   | -    | Data bus                                                                |
| 35      | Vcc      | Vcc      | -   | -   | -      | -   | -   | -    | Power supply(+5V)                                                       |
| 36      | A0       | A0       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 37      | A1       | A1       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 38      | A2       | A2       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 39      | A3       | A3       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 40      | A4       | A4       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 41      | A5       | A5       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 42      | A6       | A6       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 43      | A7       | A7       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 44      | Vss      | Vss      | -   | -   | -      | -   | -   | -    | GND(0V)                                                                 |
| 45      | A8       | A8       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 46      | A9       | A9       | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 47      | A10      | A10      | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 48      | A11      | A11      | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 49      | A12      | A12      | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 50      | A13      | A13      | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 51      | A14      | A14      | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 52      | A15      | A15      | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 53      | A16      | A16      | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 54      | A17      | A17      | A/O | -   | -      | -   | -   | -    | Address bus                                                             |
| 55      | P52      | _FX1ON   | O   | -   | ON     | -   | L   | H    | PGM1 EFFECT LOOP enabler 'L': enabler (DN-X300 only)                    |
| 56      | P53      | _FX2ON   | O   | -   | ON     | -   | L   | H    | PGM2 EFFECT LOOP enabler 'L': enabler (DN-X300 only)                    |
| 57      | Vss      | Vss      | -   | -   | -      | -   | -   | -    | GND(0V)                                                                 |
| 58      | P60      | LED FX1  | O   | -   | -      | Pu  | L   | H    | PGM1 EFFECT LOOP LED control. (DN-X300 only)                            |
| 59      | P61      | LED FX2  | O   | -   | -      | Pu  | L   | H    | PGM2 EFFECT LOOP LED control. (DN-X300 only)                            |
| 60      | P62      | FX1SW    | I   | -   | -      | -   | L   | H    | PGM1 EFFECT LOOP ON/OFF SW 'L': ON (DN-X300 only)                       |
| 61      | P67      | P67      | I   | -   | -      | -   | H   | H    | DN-X100/300 program selected Pin 'L': DN-X300                           |
| 62      | _STBY    | _STBY    | -   | -   | -      | -   | -   | H    | When driven low, this pin forces a transition to hardware standby mode. |
| 63      | _RES     | _RES     | -   | -   | -      | -   | -   | -    | Reset signal 'L': Reset                                                 |
| 64      | NMI      | NMI      | I   | -   | -      | Pu  | -   | H    | Not used                                                                |
| 65      | Vss      | Vss      | -   | -   | -      | -   | -   | -    | GND(0V)                                                                 |
| 66      | EXTAL    | EXTAL    | -   | -   | -      | -   | -   | -    | OSC 16MHz                                                               |
| 67      | XTAL     | XTAL     | -   | -   | -      | -   | -   | -    | OSC 16MHz                                                               |
| 68      | Vcc      | Vcc      | -   | -   | -      | -   | -   | -    | Power supply(+5V)                                                       |
| 69      | _AS      | _AS      | -   | -   | -      | -   | -   | -    | Not used                                                                |
| 70      | _RD      | _RD      | O   | -   | -      | -   | -   | -    | Goes low to indicate reading from the external address space            |
| 71      | _HWR     | _HWR     | -   | -   | -      | -   | -   | -    | Not used                                                                |
| 72      | P66      | JDET     | I   | -   | -      | -   | L   | H    | Check Send Return jack inserted                                         |
| 73      | MD0      | MD0      | I   | -   | -      | -   | -   | -    | IC Operating mode control                                               |
| 74      | MD1      | MD1      | I   | -   | -      | -   | -   | -    | IC Operating mode control                                               |
| 75      | MD2      | MD2      | I   | -   | -      | -   | -   | -    | IC Operating mode control                                               |
| 76      | Avcc     | Avcc     | -   | -   | -      | -   | -   | -    | Power supply pin for the A/D converters(+5V).                           |
| 77      | Vref     | Vref     | -   | -   | -      | -   | -   | -    | Reference voltage input pin for the A/D converters(+5V).                |
| 78      | P70,AN0  | CH1FADER | I   | -   | -      | -   | -   | Hi-z | CH1 FADER VR A/D converter                                              |
| 79      | P71,AN1  | CFFADER  | I   | -   | -      | -   | -   | Hi-z | CROSS FADER VR A/D converter                                            |
| 80      | P72,AN2  | CH2FADER | I   | -   | -      | -   | -   | Hi-z | CH2 FADER VR A/D converter                                              |
| 81      | P73,AN3  | CH1CUREV | I   | -   | -      | -   | -   | Hi-z | CH1 FADER CONTOUR VR A/D converter                                      |
| 82      | P74,AN4  | CFCUREV  | I   | -   | -      | -   | -   | Hi-z | CROSS FADER CONTOUR VR A/D converter                                    |
| 83      | P75,AN5  | CH2CUREV | I   | -   | -      | -   | -   | Hi-z | CH2 FADER CONTOUR VR A/D converter                                      |
| 84      | P76,AN6  | AN6      | I   | -   | -      | -   | -   | Hi-z | Not used                                                                |
| 85      | P77,AN7  | AN7      | I   | -   | -      | -   | -   | Hi-z | Not used                                                                |
| 86      | Avss     | Avss     | -   | -   | -      | -   | -   | -    | Ground pin for A/D converters(0V).                                      |
| 87      | P80      | P80      | O   | -   | -      | Pu  | L   | L    | Not used                                                                |

| Pin No. | Pin Name | Symbol | I/O | Det | Int Pu | Ext | Res | Ini | Function                       |
|---------|----------|--------|-----|-----|--------|-----|-----|-----|--------------------------------|
| 88      | P81      | P81    | O   | -   | -      | Pu  | L   | L   | Not used                       |
| 89      | P82      | P82    | O   | -   | -      | Pu  | L   | L   | Not used                       |
| 90      | P83      | CH1REV | O   | -   | -      | Pu  | L   | H   | CH1 FADER REVERSE SW 'L' : ON  |
| 91      | P84,_CS  | _CE    | O   | -   | -      | -   | L   | L   | Chip select signal.            |
| 92      | Vss      | Vss    | -   | -   | -      | -   | -   | -   | GND(0V)                        |
| 93      | PA0      | CFREV  | I   | -   | -      | Pu  | L   | H   | CROSSFADER REVERSE SW 'L' : ON |
| 94      | PA1      | CH2REV | I   | -   | -      | Pu  | L   | H   | CH2 FADER REVERSE SW 'L' : ON  |
| 95      | PA2      | CH2FS  | I   | -   | -      | Pu  | L   | H   | CH2 FADER START SW 'L' : ON    |
| 96      | PA3      | 2CFS   | I   | -   | -      | Pu  | L   | H   | CROSSFADER START B SW 'L' : ON |
| 97      | PA4      | C1     | O   | -   | -      | -   | L   | H   | PWM output control PGM1 volume |
| 98      | PA5      | 1CFS   | I   | -   | -      | Pu  | L   | H   | CROSSFADER START A SW 'L' : ON |
| 99      | PA6      | C2     | O   | -   | -      | -   | L   | H   | PWM output control PGM2 volume |
| 100     | PA7      | PA7    | O   | -   | -      | Pu  | L   | L   | Not used                       |

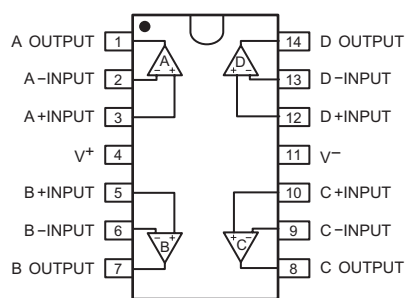
LB1482M (IC701)



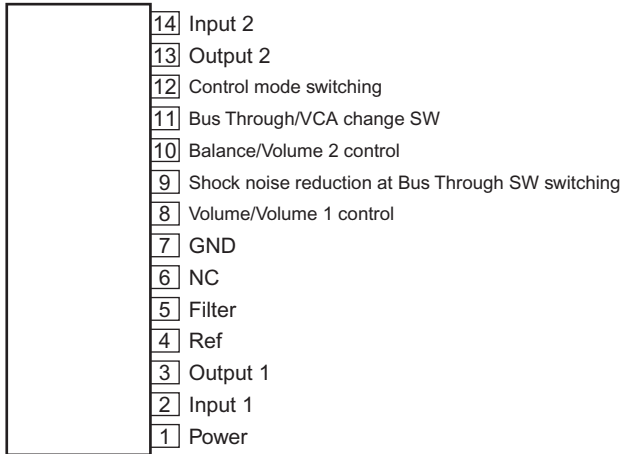
TC4053BF (IC507)



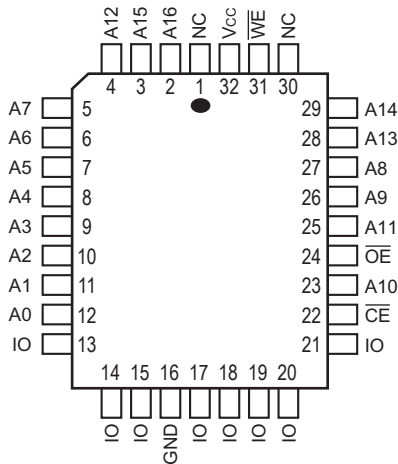
NJM2060 (IC105, 106, 205, 206, 952)



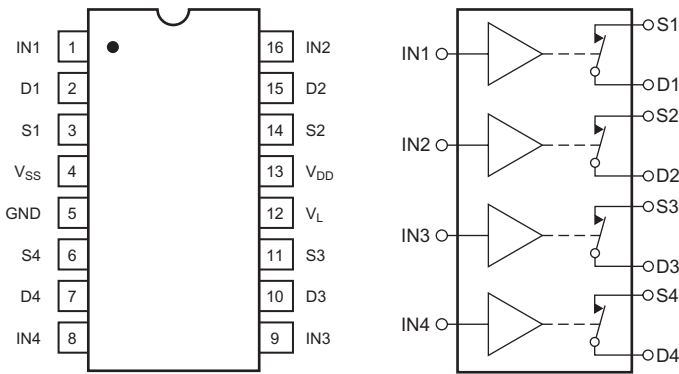
# M51132L (IC109, 209)



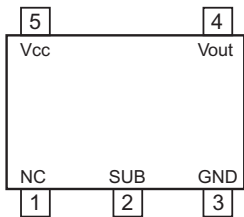
# 1M FLASH MEMORY (IC802)



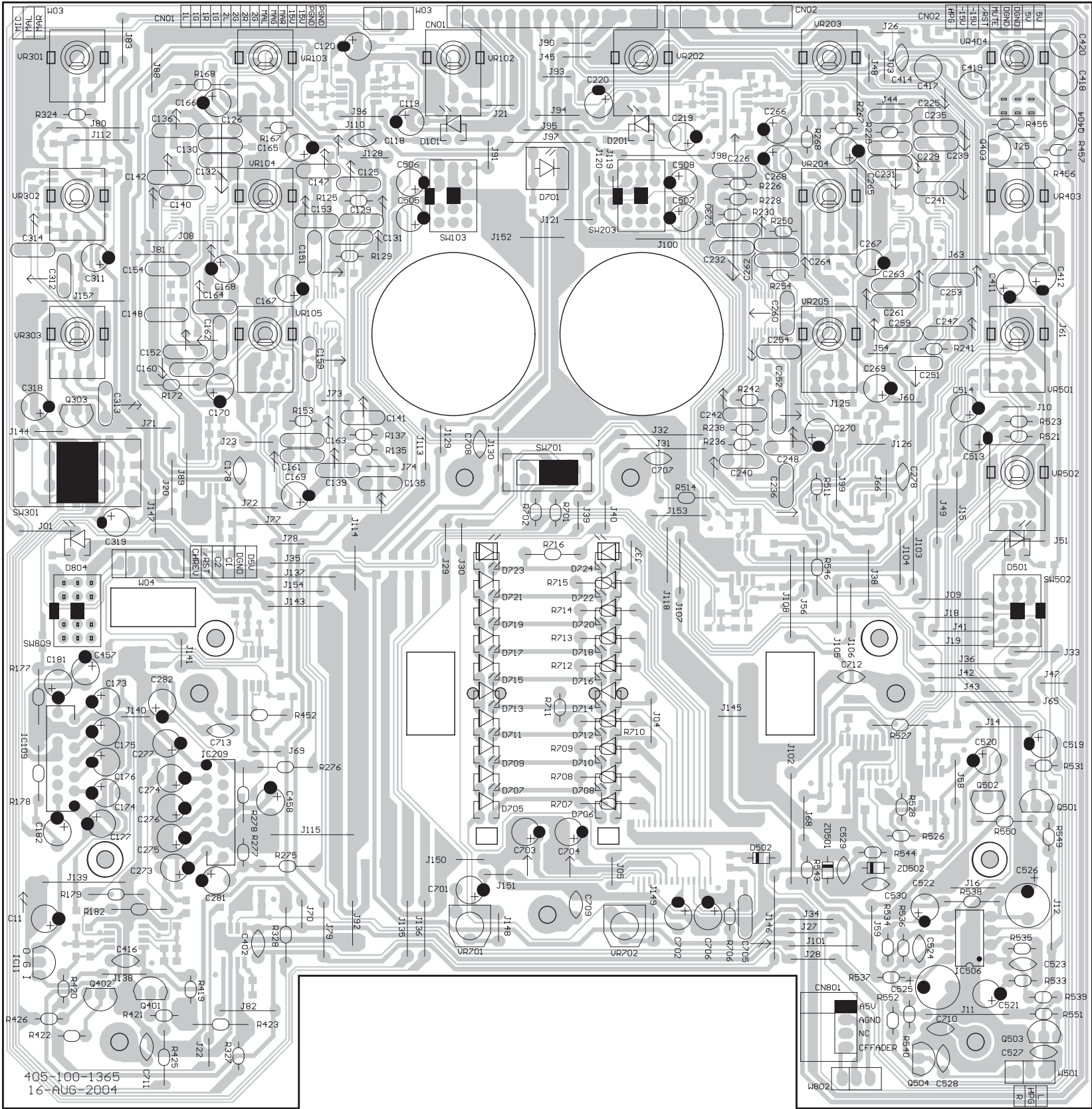
# ADG212A (IC113, 213)



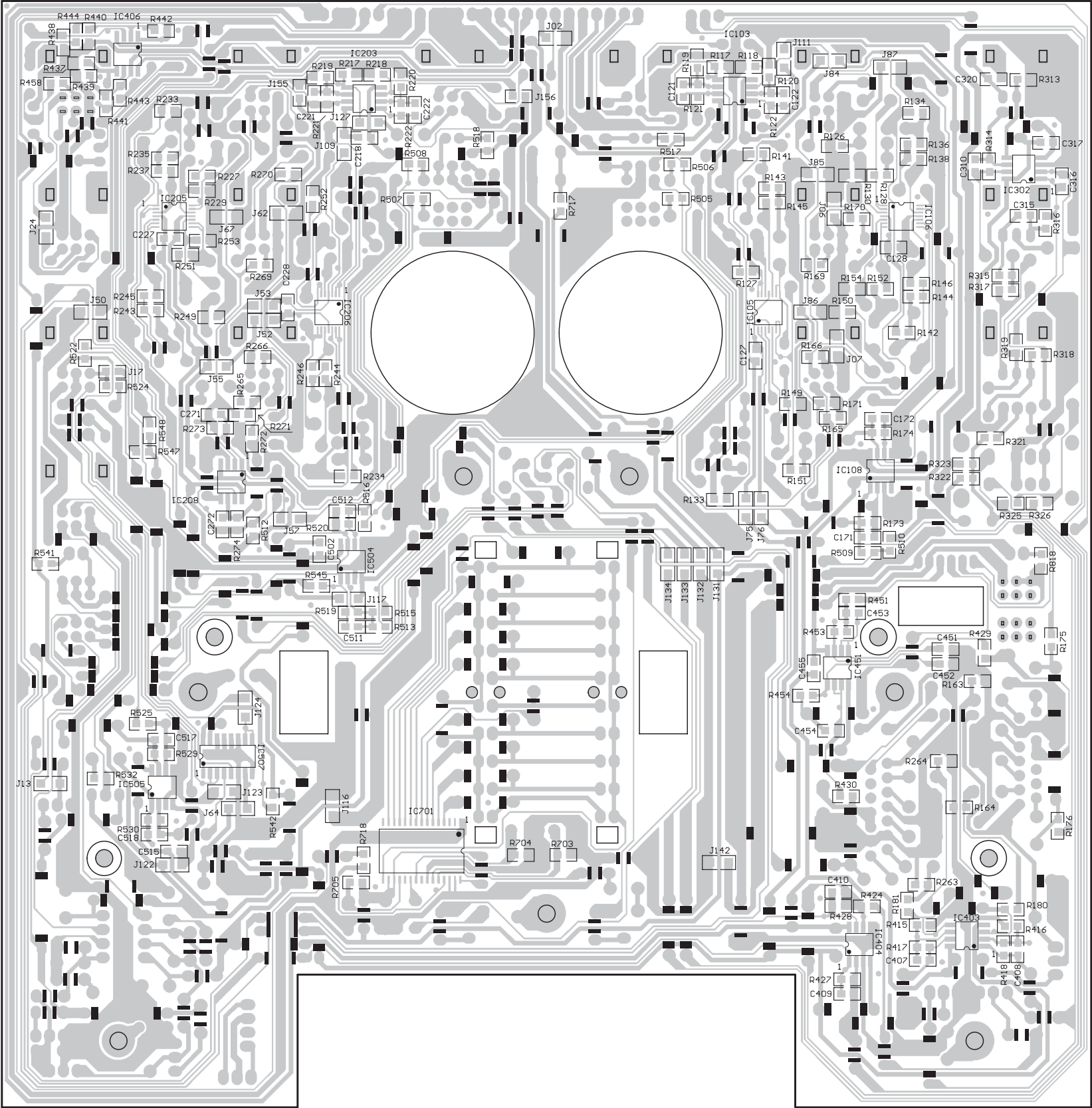
# BD4745G (IC803)



PRINTED WIRING BOARDS  
MIXER P.W.B. UNIT

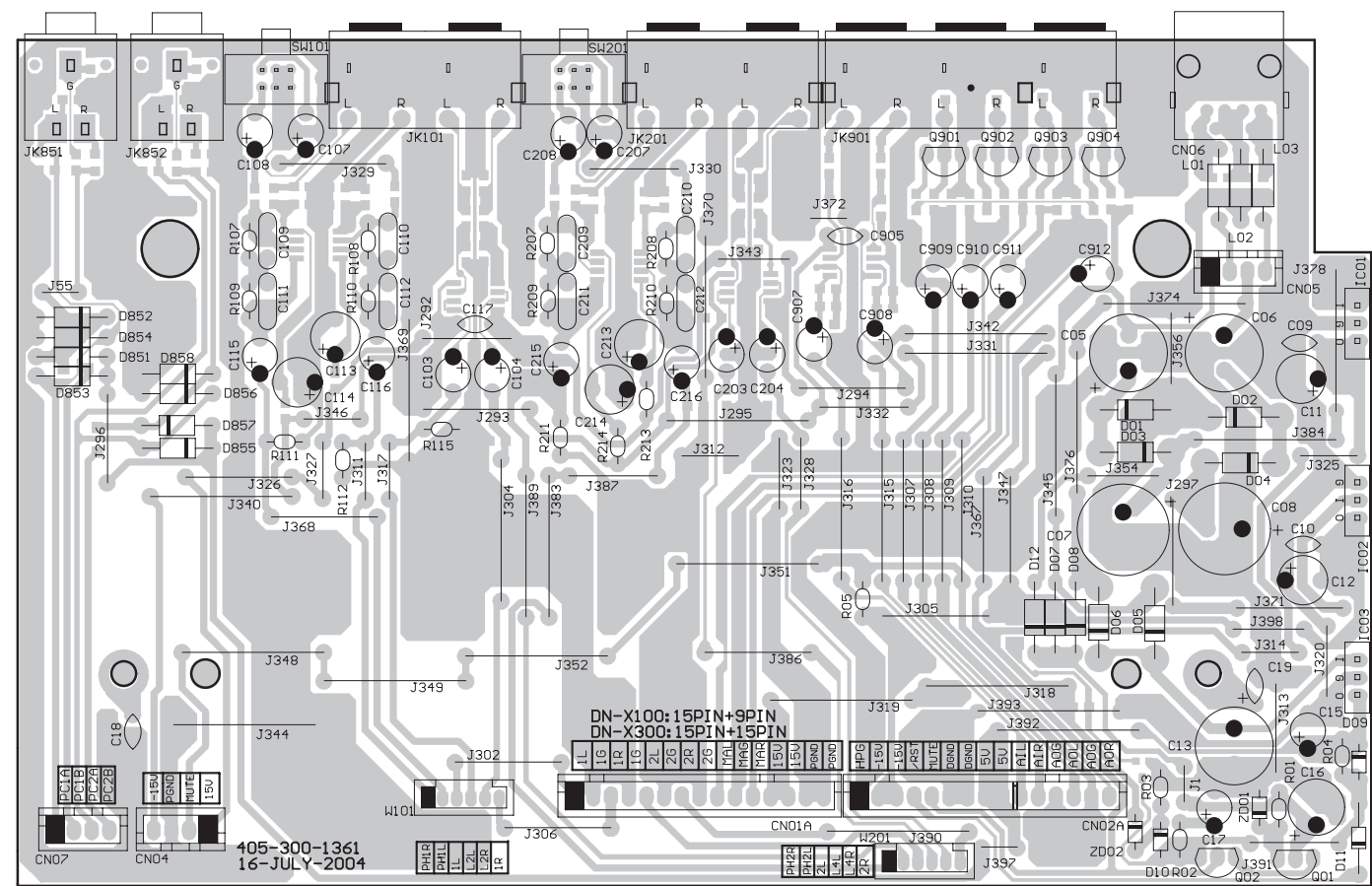


COMPONENT SIDE

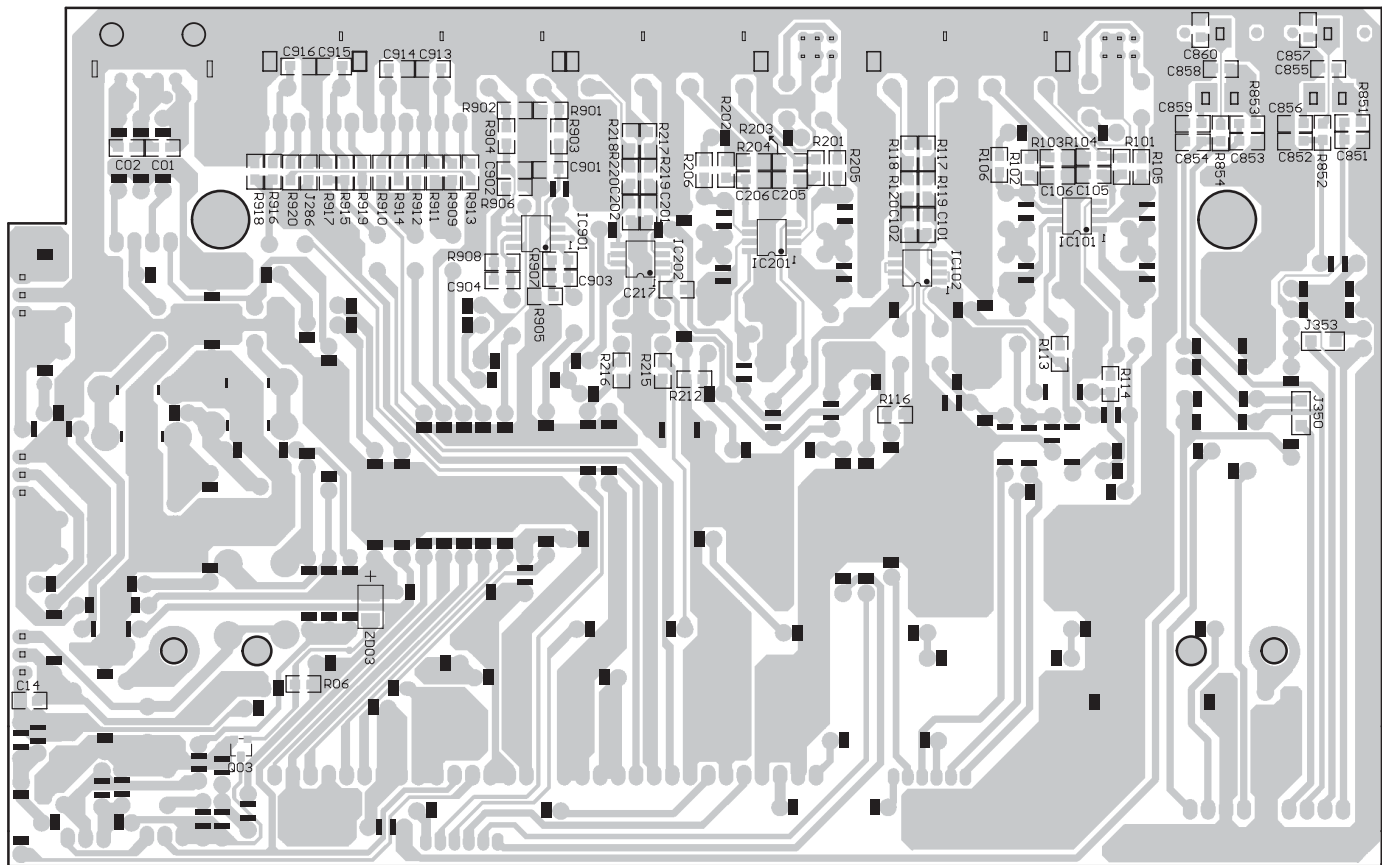


FOIL SIDE

OUTPUT P.W.B. UNIT

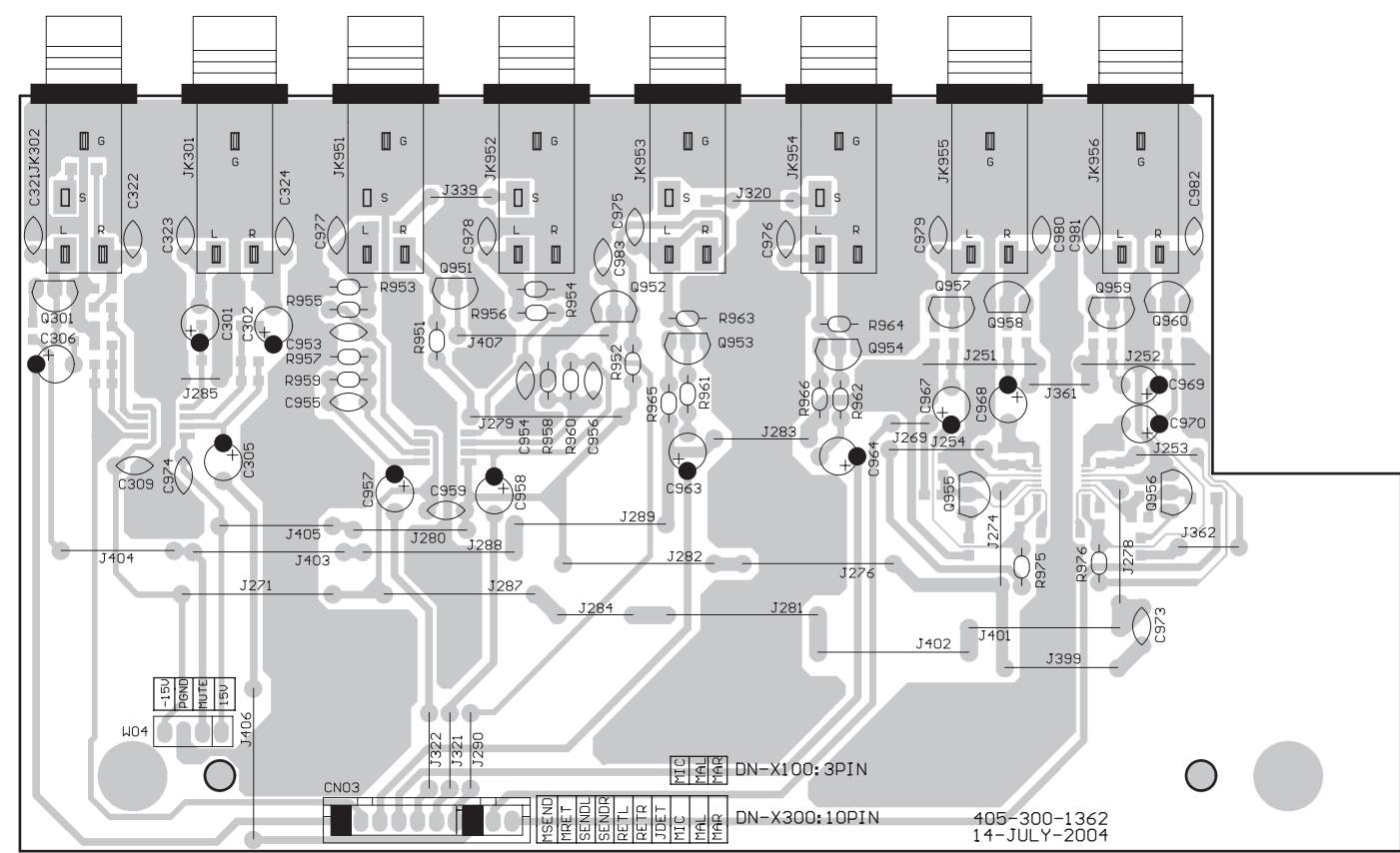


COMPONENT SIDE

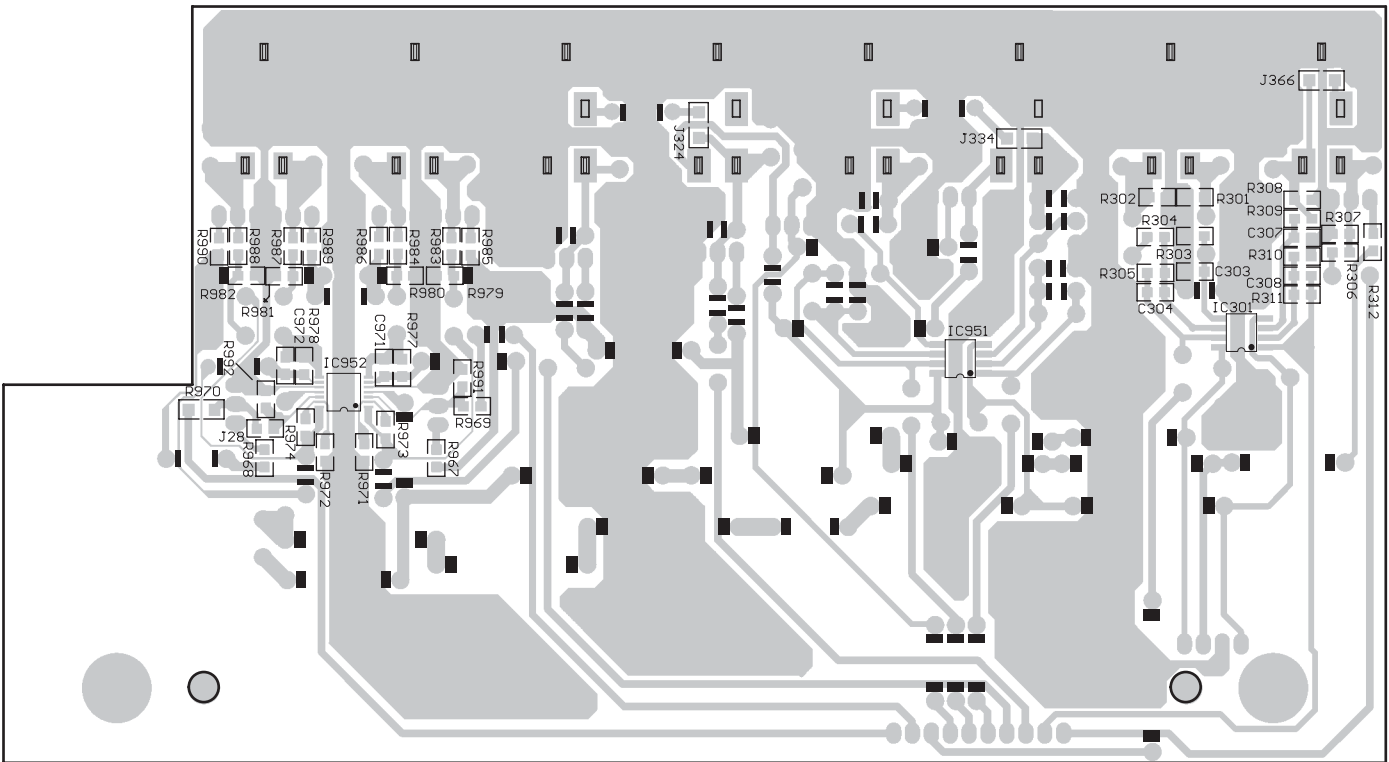


FOIL SIDE

JACK P.W.B. UNIT

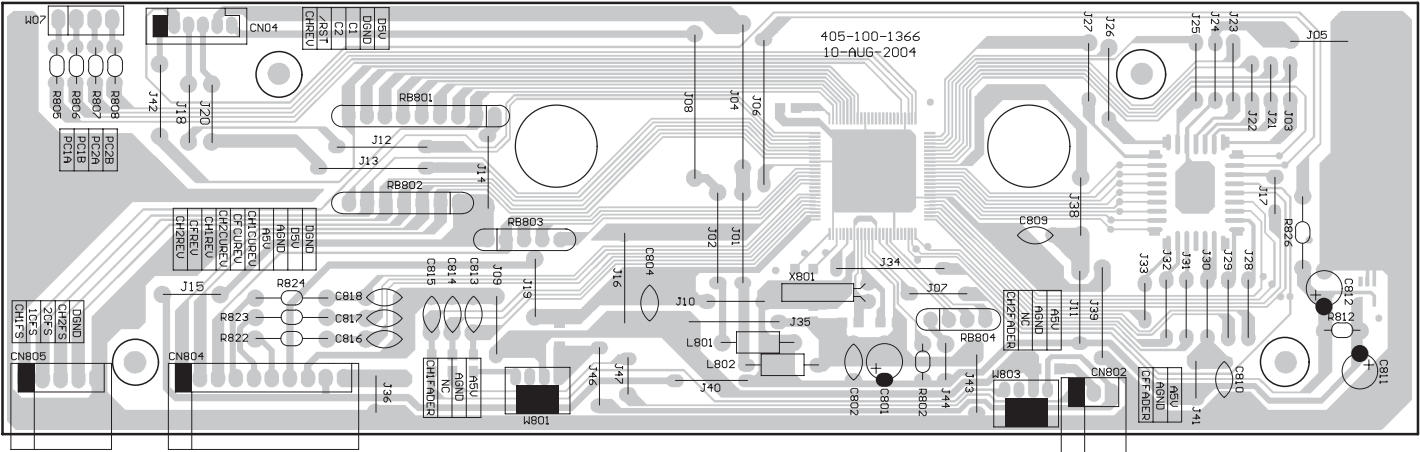


COMPONENT SIDE

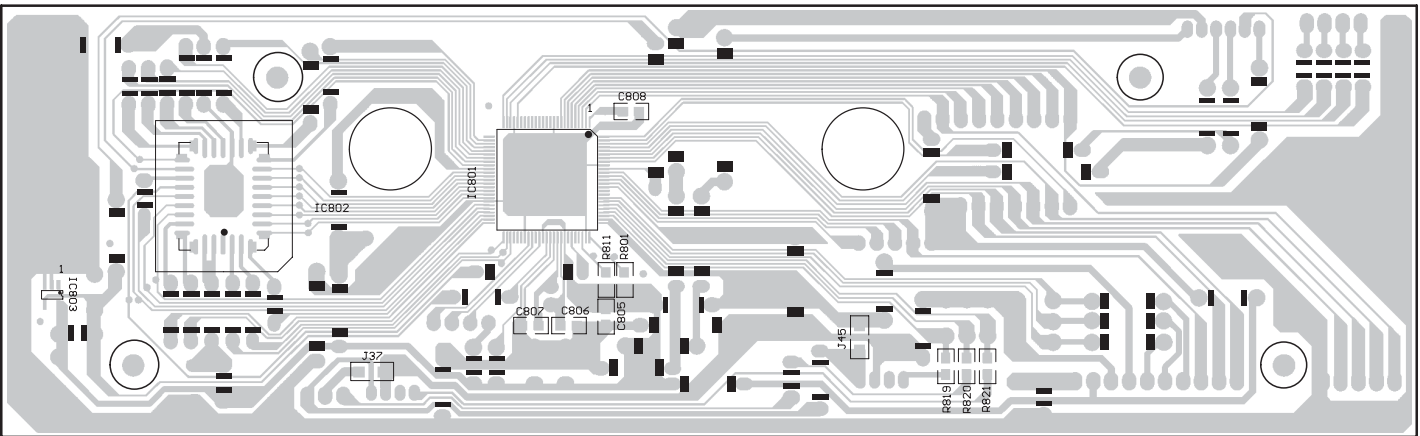


FOIL SIDE

CPU P.W.B. UNIT

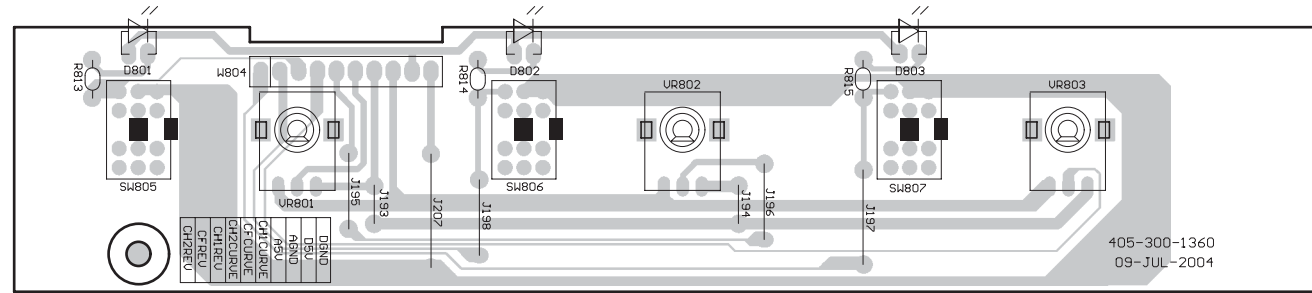


COMPONENT SIDE

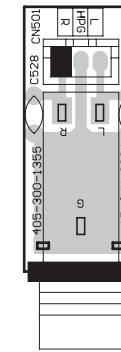


FOIL SIDE

## REVERSE P.W.B. UNIT

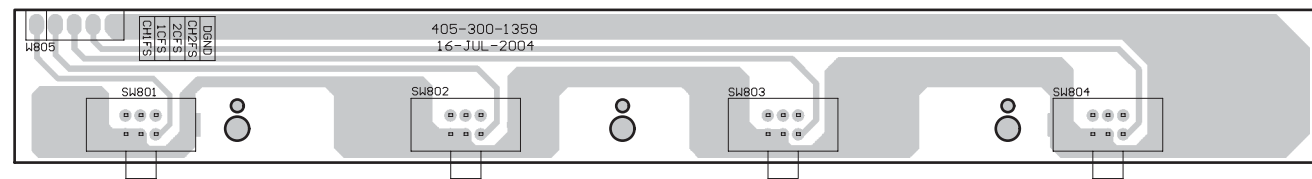


## COMPONENT SIDE

**PHONE P.W.B. UNIT**

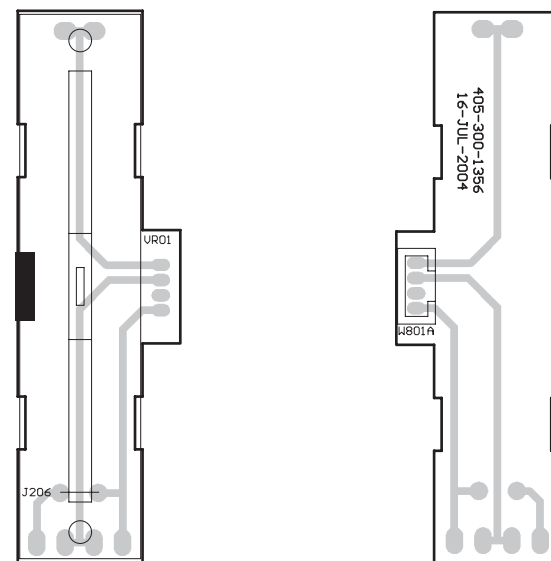
### COMPONENT SIDE

**FADER START P.W.B. UNIT**



## COMPONENT SIDE

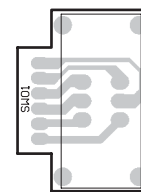
## CH VR P.W.B. UNIT



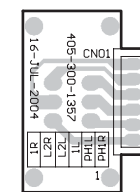
## COMPONENT SIDE

**FOIL SIDE**

**TRANS P.W.B. UNIT**



## COMPONENT SIDE

**FOIL SIDE**

## NOTE FOR PARTS LIST

- Part indicated with the mark "◎" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "I" 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 Carbon Film Resistor  $\pm 5\%$ , 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- Not including Carbon Chip Resistor 1/16W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

### WARNING:

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

## 部品表について

- 印の部品は常時在庫していませんので供給に長時間を要することがあります。  
場合によっては、供給をお断りすることがあります。
- 部品を発注する際は特に数字の“1”と英字の“I”との区別をはっきり記入してください。
- 部品番号を表示していない部品は供給できません。
- $\Delta$ 印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
- ★印のついている部品は分解図中には記載していません。
- カーボン抵抗器  $\pm 5\%$ 、1/4W 型は記載していません。定数は回路図を参照願います。
- カーボンチップ抵抗器 1/16W 型は記載していません。定数は回路図を参照願います。
- 部品表の抵抗器、コンデンサの品名記号の読み方は表を参照してください。

### ● Resistors

| Ex.: RN<br>Type                                                                                                   | 14K<br>Shape and performance                                                    | 2E<br>Power                                                                         | 182<br>Resistance                                                                                                       | G<br>Allowable error | FR<br>Others |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|
| RD : Carbon<br>RC : Composition<br>RS : Metal oxide film<br>RW : Winding<br>RN : Metal film<br>RK : Metal mixture | 2B : 1/8W<br>2E : 1/4W<br>2H : 1/2W<br>3A : 1W<br>3D : 2W<br>3F : 3W<br>3H : 5W | F : $\pm 1\%$<br>G : $\pm 2\%$<br>J : $\pm 5\%$<br>K : $\pm 10\%$<br>M : $\pm 20\%$ | P : Pulse-resistant type<br>NL : Low noise type<br>NB : Non-burning type<br>FR : Fuse-resistor<br>F : Lead wire forming |                      |              |

#### \* Resistance

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

● Units: ohm

1 R 2  $\Rightarrow$  1.2 ohm  
1-digit effective number.  
2-digit effective number, decimal point indicated by R.

● Units: ohm

### ● Capacitors

| Ex.: CE<br>Type                                                                                                                                                                                               | 04W<br>Shape and performance                                                                                                                                     | 1H<br>Dielectric strength                                                                                                                                                                            | 2R2<br>Capacity                                                                                                                                                                                                               | M<br>Allowable error | BP<br>Others |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|
| CE : Aluminum foil electrolytic<br>CA : Aluminum solid electrolytic<br>CS : Tantalum electrolytic<br>CQ : Film<br>CK : Ceramic<br>CC : Ceramic<br>CP : Oil<br>CM : Mica<br>CF : Metallized<br>CH : Metallized | 0J : 6.3V<br>1A : 10V<br>1C : 16V<br>1E : 25V<br>1V : 35V<br>1H : 50V<br>2A : 100V<br>2B : 125V<br>2C : 160V<br>2D : 200V<br>2E : 250V<br>2H : 500V<br>2J : 630V | F : $\pm 1\%$<br>G : $\pm 2\%$<br>J : $\pm 5\%$<br>K : $\pm 10\%$<br>M : $\pm 20\%$<br>Z : $+80\%$<br>-20%<br>P : $+100\%$<br>-0%<br>C : $\pm 0.25\text{pF}$<br>D : $\pm 0.5\text{pF}$<br>= : Others | HS : High stability type<br>BP : Non-polar type<br>HR : Ripple-resistant type<br>DL : For change and discharge<br>HF : For assuring high frequency<br>U : UL part<br>C : CSA part<br>W : UL-CSA type<br>F : Lead wire forming |                      |              |

#### \* Capacity (electrolyte only)

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

● Units:  $\mu\text{F}$ .

2 R 2  $\Rightarrow$  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)

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

● Units: pF.

2 2 1  $\Rightarrow$  220pF  
(0 or 1) Indicates number of zeros after effective number.  
2-digit effective number.

● Units: pF.

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

### ● 抵抗器

| 例) RN<br>種類                                                               | 14K<br>形状特性                                                                            | 2E<br>電力                                                                            | 182<br>抵抗値                                                      | G<br>許容差 | FR<br>その他 |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------|-----------|
| RD : カーボン<br>RC : 固定体<br>RS : 金属系皮膜<br>RW : 巻線<br>RN : 金属皮膜<br>RK : 金属混合体 | 2B : 1/8 W<br>2E : 1/4 W<br>2H : 1/2 W<br>3A : 1 W<br>3D : 2 W<br>3F : 3 W<br>3H : 5 W | F : $\pm 1\%$<br>G : $\pm 2\%$<br>J : $\pm 5\%$<br>K : $\pm 10\%$<br>M : $\pm 20\%$ | P : 耐バルス形<br>NL : 低雑音形<br>NB : 不燃形<br>FR : ヒューズ抵抗<br>F : リード線成形 |          |           |

#### \* 抵抗値

18 2  $\Rightarrow$  1800 $\Omega$ =1.8k $\Omega$   
有効数字につづく0の数を表わす。  
2桁の有効数字を表わす。

1R 2  $\Rightarrow$  1.2 $\Omega$   
1桁の有効数字を表わす。  
2桁の有効数字で小数点はRで表わす。

● 単位は $\Omega$

### ● コンデンサ

| 例) CE<br>種類                                                                                                                               | 04W<br>形状特性                                                                                                                                                                   | 1H<br>耐圧                                                                                                                                                                                          | 2R2<br>容量                                                                                                                     | M<br>許容差 | BP<br>その他 |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|-----------|
| CE : アルミ箔電解<br>CA : アルミ固体電解<br>CS : タンタル電解<br>CQ : フィルム<br>CK : セラミック<br>CC : セラミック<br>CP : オイル<br>CM : マイカ<br>CF : メタライズド<br>CH : メタライズド | 0J : 6.3 V<br>1A : 10 V<br>1C : 16 V<br>1E : 25 V<br>1V : 35 V<br>1H : 50 V<br>2A : 100 V<br>2B : 125 V<br>2C : 160 V<br>2D : 200 V<br>2E : 250 V<br>2H : 500 V<br>2J : 630 V | F : $\pm 1\%$<br>G : $\pm 2\%$<br>J : $\pm 5\%$<br>K : $\pm 10\%$<br>M : $\pm 20\%$<br>Z : $+80\%$<br>-20%<br>P : $+100\%$<br>-0%<br>C : $\pm 0.25\text{pF}$<br>D : $\pm 0.5\text{pF}$<br>= : その他 | HS : 高安定形<br>BP : 無極性形<br>HR : 耐リップル形<br>DL : 充放電対策用<br>HF : 高周波保証用<br>U : UL 部品<br>C : CSA 部品<br>W : UL-CSA 部品<br>F : リード線成形 |          |           |

#### \* 容量値

##### ● 電解コンデンサの場合

22 2  $\Rightarrow$  2200 $\mu\text{F}$   
有効数字につづく0の数を表わす。  
2桁の有効数字を表わす。  
● 単位は $\mu\text{F}$

2R 2  $\Rightarrow$  2.2 $\mu\text{F}$   
1桁の有効数字を表わす。  
2桁の有効数字で小数点はRで表わす。  
● 単位は $\mu\text{F}$

##### ● 電解コンデンサ以外の場合

22 2  $\Rightarrow$  2200pF=0.0022 $\mu\text{F}$   
有効数字につづく0の数を表わす。  
(0の数が2以上の場合)  
2桁の有効数字を表わす。  
● 単位はpF

22 1  $\Rightarrow$  220pF  
有効数字につづく0の数を表わす。  
(0の数が0または1の場合)  
2桁の有効数字を表わす。  
● 単位はpF

- 耐圧を交流で表示する場合は、耐圧表示の次に「AC」を表示します。

## PARTS LIST OF P.W.B. UNIT

\*本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります

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

E3: U.S.A. & Canada model

E2: Europe model

EK: U.K. model

E2A: Asia model

E1C: China model

EUT: Taiwan R.O.C. model

E1K: Korea model

JP: Japan model

### MIXER P.W.B. UNIT ASS'Y

|                             | Ref. No.  | Part No.         | Part Name                      | Remarks | Q'ty | New |
|-----------------------------|-----------|------------------|--------------------------------|---------|------|-----|
| <b>SEMICONDUCTORS GROUP</b> |           |                  |                                |         |      |     |
|                             | IC11      | 00D 958 7035 308 | IC(78L12)                      |         |      |     |
|                             | IC103     | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC105,106 | 00D 958 7035 900 | IC(NJM-2060V)                  |         |      |     |
|                             | IC108     | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC109     | 00D 958 7036 103 | IC(M51132L)                    |         |      |     |
|                             | IC203     | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC205,206 | 00D 958 7035 900 | IC(NJM-2060V)                  |         |      |     |
|                             | IC208     | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC209     | 00D 958 7036 103 | IC(M51132L)                    |         |      |     |
|                             | IC302     | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC403,404 | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC406     | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC451     | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC504,505 | 00D 958 7036 006 | IC(BA15218F)                   |         |      |     |
|                             | IC506     | 00D 958 7035 104 | INTEGRATED CIRCUIT(NJM-4556AD) |         |      |     |
|                             | IC507     | 00D 958 7034 804 | IC(TC4053BFN)                  |         |      |     |
|                             | IC701     | 00D 958 7035 201 | IC(LB1482M)                    |         |      |     |
|                             | Q303      | 00D 958 0040 701 | TRANSISTOR(DTA124ES)           |         |      |     |
|                             | Q401-404  | 00D 958 7034 707 | TRANSISTOR(2SC2878-B)          |         |      |     |
|                             | Q501-504  | 00D 958 7034 707 | TRANSISTOR(2SC2878-B)          |         |      |     |
|                             | D101      | 00D 958 7024 209 | LED (LTL-16KA)                 |         |      |     |
|                             | D201      | 00D 958 7024 209 | LED (LTL-16KA)                 |         |      |     |
|                             | D501      | 00D 958 0041 700 | LED (RED)                      |         |      |     |
|                             | D502      | 00D 958 0042 806 | SWITCHING DIODE(1SS132/1SS133) |         |      |     |
|                             | D701      | 00D 958 7024 306 | LED (LTL42UB5N,BLUE)           |         |      |     |
|                             | D705-716  | 00D 958 0041 807 | LED (GREEN)                    |         |      |     |
|                             | D717-722  | 00D 958 0045 104 | LED (YELLOW)                   |         |      |     |
|                             | D723,724  | 00D 958 0041 700 | LED (RED)                      |         |      |     |
|                             | D804      | 00D 958 0041 700 | LED (RED)                      |         |      |     |
|                             | ZD501,502 | 00D 958 0049 003 | ZENER DIODE(MTZJ8.2-B)         |         |      |     |
| <b>RESISTORS GROUP</b>      |           |                  |                                |         |      |     |
|                             | VR102     | 00D 958 7036 404 | ROTARY VR(20KA*2,RD09L12D001D) |         |      |     |
|                             | VR103-105 | 00D 958 7036 307 | ROTARY VR(20KB*2,RD09L124A01A) |         |      |     |
|                             | VR202     | 00D 958 7036 404 | ROTARY VR(20KA*2,RD09L12D001D) |         |      |     |
|                             | VR203-205 | 00D 958 7036 307 | ROTARY VR(20KB*2,RD09L124A01A) |         |      |     |
|                             | VR301     | 00D 958 7036 608 | ROTARY VR(20KA,RD09L114003D)   |         |      |     |
|                             | VR302,303 | 00D 958 7036 501 | ROTARY VR(50KB,RD09L114A01B)   |         |      |     |
|                             | VR403     | 00D 958 7036 307 | ROTARY VR(20KMN,RD09L124A01B)  |         |      |     |
|                             | VR404     | 00D 958 7036 404 | ROTARY VR(20KA*2,RD09L12D001D) |         |      |     |
|                             | VR501     | 00D 958 7036 802 | ROTARY VR(20KB*2,RD09L12DA00A) |         |      |     |
|                             | VR502     | 00D 958 7036 404 | ROTARY VR(20KA*2,RD09L12D001D) |         |      |     |
|                             | VR701,702 | 00D 958 7019 502 | SEMI FIXED RESISTOR(3.3K OHM)  |         |      |     |

|                         | Ref. No. | Part No.         | Part Name                            | Remarks | Q'ty | New |
|-------------------------|----------|------------------|--------------------------------------|---------|------|-----|
| <b>CAPACITORS GROUP</b> |          |                  |                                      |         |      |     |
|                         | C11      | 00D 958 7032 806 | ELEC. CAPACITOR(100uF/16V,M)         |         |      |     |
|                         | C118     | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)       |         |      |     |
|                         | C119,120 | 00D 958 7033 902 | ELEC. CAPACITOR(1uF/50V,M)           |         |      |     |
|                         | C121,122 | 00D 958 7030 808 | CHIP CAPACITOR(100pF/50V,J)          |         |      |     |
|                         | C125,126 | 00D 958 7032 204 | POLYESTER CAPACITOR(0.0082uF/50V,J)  |         |      |     |
|                         | C127,128 | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)         |         |      |     |
|                         | C129-132 | 00D 958 7032 000 | POLYESTER CAPACITOR(0.0018uF/50V,J)  |         |      |     |
|                         | C135,136 | 00D 958 7033 407 | POLYESTER CAPACITOR(0.1uF/100V,J)    |         |      |     |
|                         | C139,140 | 00D 958 7032 505 | POLYESTER ACPACITOR(0.056uF/50V,J)   |         |      |     |
|                         | C141,142 | 00D 958 7029 806 | POLYESTER CAPACITOR(0.01uF/50V,J)    |         |      |     |
|                         | C147,148 | 00D 958 7032 204 | POLYESTER CAPACITOR(0.0082uF/50V,J)  |         |      |     |
|                         | C151,152 | 00D 958 0021 209 | POLYESTER CAPACITOR(0.0047uF/100V,J) |         |      |     |
|                         | C153,154 | 00D 958 7031 700 | POLYESTER CAPACITOR(820pF/50V,J)     |         |      |     |
|                         | C159,160 | 00D 958 7033 407 | POLYESTER CAPACITOR(0.1uF/100V,J)    |         |      |     |
|                         | C161-164 | 00D 958 7033 106 | POLYESTER CAPACITOR(0.022uF/50V,J)   |         |      |     |
|                         | C165-168 | 00D 958 7032 602 | ELEC. CAPACITOR(4.7uF/50V,M)         |         |      |     |
|                         | C169,170 | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)          |         |      |     |
|                         | C171,172 | 00D 958 7030 206 | CHIP CAPACITOR(33pF/50V,J)           |         |      |     |
|                         | C173,174 | 00D 958 7030 701 | ELEC. CAPACITOR(2.2uF/50V,M)         |         |      |     |
|                         | C175     | 00D 958 7032 602 | ELEC. CAPACITOR(4.7uF/50V,M)         |         |      |     |
|                         | C176     | 00D 958 7034 105 | ELEC. CAPACITOR(22uF/16V,M)          |         |      |     |
|                         | C177     | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)          |         |      |     |
|                         | C178     | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)       |         |      |     |
|                         | C181,182 | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)          |         |      |     |
|                         | C218     | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)         |         |      |     |
|                         | C219,220 | 00D 958 7033 902 | ELEC. CAPACITOR(1uF/50V,M)           |         |      |     |
|                         | C221,222 | 00D 958 7030 808 | CHIP CAPACITOR(100pF/50V,J)          |         |      |     |
|                         | C225,226 | 00D 958 7032 204 | POLYESTER CAPACITOR(0.0082uF/50V,J)  |         |      |     |
|                         | C227,228 | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)         |         |      |     |
|                         | C229-232 | 00D 958 7032 000 | POLYESTER CAPACITOR(0.0018uF/50V,J)  |         |      |     |
|                         | C235,236 | 00D 958 7033 407 | POLYESTER CAPACITOR(0.1uF/100V,J)    |         |      |     |
|                         | C239,240 | 00D 958 7032 505 | POLYESTER ACPACITOR(0.056uF/50V,J)   |         |      |     |
|                         | C241,242 | 00D 958 7029 806 | POLYESTER CAPACITOR(0.01uF/50V,J)    |         |      |     |
|                         | C247,248 | 00D 958 7032 204 | POLYESTER CAPACITOR(0.0082uF/50V,J)  |         |      |     |
|                         | C251,252 | 00D 958 0021 209 | POLYESTER CAPACITOR(0.0047uF/100V,J) |         |      |     |
|                         | C253,254 | 00D 958 7031 700 | POLYESTER CAPACITOR(820pF/50V,J)     |         |      |     |
|                         | C259,260 | 00D 958 7033 407 | POLYESTER CAPACITOR(0.1uF/100V,J)    |         |      |     |
|                         | C261-264 | 00D 958 7033 106 | POLYESTER CAPACITOR(0.022uF/50V,J)   |         |      |     |
|                         | C265-268 | 00D 958 7032 602 | ELEC. CAPACITOR(4.7uF/50V,M)         |         |      |     |
|                         | C269,270 | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)          |         |      |     |
|                         | C271,272 | 00D 958 7030 206 | CHIP CAPACITOR(33pF/50V,J)           |         |      |     |
|                         | C273,274 | 00D 958 7030 701 | ELEC. CAPACITOR(2.2uF/50V,M)         |         |      |     |
|                         | C275     | 00D 958 7032 602 | ELEC. CAPACITOR(4.7uF/50V,M)         |         |      |     |
|                         | C276     | 00D 958 7034 105 | ELEC. CAPACITOR(22uF/16V,M)          |         |      |     |
|                         | C277     | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)          |         |      |     |
|                         | C278     | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)       |         |      |     |
|                         | C281,282 | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)          |         |      |     |
|                         | C310     | 00D 958 7033 708 | CHIP CAPACITOR(68pF/50V,J)           |         |      |     |
|                         | C311     | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)          |         |      |     |
|                         | C312,313 | 00D 958 7033 106 | POLYESTER CAPACITOR(0.022uF/50V,J)   |         |      |     |
|                         | C314     | 00D 958 7033 203 | POLYESTER CAPACITOR(0.0033uF/100V,J) |         |      |     |
|                         | C315     | 00D 958 7031 506 | CHIP CAPACITOR(270pF/50V,J)          |         |      |     |
|                         | C316     | 00D 958 7030 303 | CHIP CAPACITOR(22pF/50V,J)           |         |      |     |
|                         | C317     | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)         |         |      |     |
|                         | C318     | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)          |         |      |     |

|                          | Ref. No. | Part No.         | Part Name                           | Remarks  | Q'ty | New |
|--------------------------|----------|------------------|-------------------------------------|----------|------|-----|
|                          | C319     | 00D 958 7030 507 | ELEC. CAPACITOR(10uF/50V,M)         |          |      |     |
|                          | C320     | 00D 958 7030 109 | CHIP CAPACITOR(220pF/50V,J)         |          |      |     |
|                          | C402     | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)      |          |      |     |
|                          | C407,408 | 00D 958 7030 303 | CHIP CAPACITOR(22pF/50V,J)          |          |      |     |
|                          | C409,410 | 00D 958 7030 002 | CHIP CAPACITOR(47pF/50V,J)          |          |      |     |
|                          | C411,412 | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)         |          |      |     |
|                          | C414     | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)        |          |      |     |
|                          | C416     | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)      |          |      |     |
|                          | C451,452 | 00D 958 7031 205 | CHIP CAPACITOR(0.22uF/50V,Z)        |          |      |     |
|                          | C453,454 | 00D 958 7033 805 | POLYESTER CAPACITOR(0.47uF/50V,J)   |          |      |     |
|                          | C455     | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)        |          |      |     |
|                          | C502     | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)        |          |      |     |
|                          | C505-508 | 00D 958 7032 602 | ELEC. CAPACITOR(4.7uF/50V,M)        |          |      |     |
|                          | C511,512 | 00D 958 7031 001 | CHIP CAPACITOR(15pF/ 50V,J)         |          |      |     |
|                          | C513,514 | 00D 958 7032 602 | ELEC. CAPACITOR(4.7uF/50V,M)        |          |      |     |
|                          | C515     | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)        |          |      |     |
|                          | C517,518 | 00D 958 7030 206 | CHIP CAPACITOR(33pF/50V,J)          |          |      |     |
|                          | C519,520 | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)         |          |      |     |
|                          | C521,522 | 00D 958 7032 602 | ELEC. CAPACITOR(4.7uF/50V,M)        |          |      |     |
|                          | C523,524 | 00D 958 7028 904 | CERAMIC CAPACITOR(68pF/50V,K)       |          |      |     |
|                          | C525,526 | 00D 958 7032 806 | ELEC. CAPACITOR(100uF/16V,M)        |          |      |     |
|                          | C527,528 | 00D 958 7029 301 | CERAMIC CAPACITOR(1500pF/50V,K)     |          |      |     |
|                          | C529,530 | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)      |          |      |     |
|                          | C701,702 | 00D 958 7030 701 | ELEC. CAPACITOR(2.2uF/50V,M)        |          |      |     |
|                          | C703,704 | 00D 958 7034 008 | ELEC. CAPACITOR(10uF/25V,M)         |          |      |     |
|                          | C705     | 00D 958 7033 009 | POLYESTER CAPACITOR(0.015uF/100V,J) |          |      |     |
|                          | C706     | 00D 958 7032 709 | ELEC. CAPACITOR(220uF/10V,M)        |          |      |     |
| <b>OTHER PARTS GROUP</b> |          |                  |                                     |          |      |     |
|                          | CN01     | 00D 958 7016 301 | 15P CONNECTOR WIRE                  |          |      |     |
|                          | CN02     | 00D 958 7023 404 | 9P CONNECTOR WIRE                   |          |      |     |
|                          | CN03     | 00D 958 7023 307 | 3P CONNECTOR WIRE                   |          |      |     |
|                          | SW103    | 00D 958 7014 701 | PUSH SW(PSA-42E06L-O-250)           |          |      |     |
|                          | SW203    | 00D 958 7014 701 | PUSH SW(PSA-42E06L-O-250)           |          |      |     |
|                          | SW301    | 00D 958 7015 205 | LEVER SW(LBC23M-20K,8PIN)           |          |      |     |
|                          | SW502    | 00D 958 7014 701 | PUSH SW(PSA-42E06L-O-250)           |          |      |     |
|                          | SW701    | 00D 958 7014 905 | SW(SSH-22H03-G11-NS)                |          |      |     |
|                          | SW809    | 00D 958 7014 701 | PUSH SW(PSA-42E06L-O-250)           |          |      |     |
|                          | W04      | 00D 958 7023 608 | 6P CONNECTOR WIRE                   |          |      |     |
|                          | W501     | 00D 958 7016 602 | 3P CONNECTOR WIRE                   |          |      |     |
|                          |          | 00D 958 7013 304 | LED BASE                            |          |      |     |
|                          |          | 00D 958 7038 208 | LED HOLDERT(LED3-12)                | for D101 |      |     |
|                          |          | 00D 958 7038 208 | LED HOLDERT(LED3-12)                | for D201 |      |     |
|                          |          | 00D 958 7038 208 | LED HOLDERT(LED3-12)                | for D501 |      |     |
|                          |          | 00D 958 7038 208 | LED HOLDERT(LED3-12)                | for D804 |      |     |

## OUTPUT P.W.B. UNIT ASS'Y

|                             | Ref. No. | Part No.         | Part Name                           | Remarks | Q'ty | New |
|-----------------------------|----------|------------------|-------------------------------------|---------|------|-----|
| <b>SEMICONDUCTORS GROUP</b> |          |                  |                                     |         |      |     |
|                             | IC01     | 00D 958 7035 502 | IC(NJM7815FA)                       |         |      |     |
|                             | IC02     | 00D 941 0021 405 | IC(NJM7915FA)                       |         |      |     |
|                             | IC03     | 00D 958 0040 303 | IC 7805                             |         |      |     |
|                             | IC101    | 00D 958 7036 200 | IC(NJM-4580M)                       |         |      |     |
|                             | IC102    | 00D 958 7036 006 | IC(BA15218F)                        |         |      |     |
|                             | IC201    | 00D 958 7036 200 | IC(NJM-4580M)                       |         |      |     |
|                             | IC202    | 00D 958 7036 006 | IC(BA15218F)                        |         |      |     |
|                             | Q01      | 00D 958 0040 604 | TRANSISTORS(2SC3330U)               |         |      |     |
|                             | Q02      | 00D 958 0040 808 | TRANSISTOR(DTA124TS)                |         |      |     |
|                             | Q903,904 | 00D 958 7034 707 | TRANSISTOR(2SC2878-B)               |         |      |     |
|                             | D01-08   | 00D 958 7034 503 | DIODE(1N4002/1N4002TA)              |         |      |     |
|                             | D09-11   | 00D 958 0042 806 | SWITCHING DIODE(1SS132/1SS133)      |         |      |     |
|                             | D851-858 | 00D 958 7034 503 | DIODE(1N4002/1N4002TA)              |         |      |     |
|                             | ZD01     | 00D 958 0016 405 | ZENER DIODE(MTZJ5.6-C)              |         |      |     |
|                             | ZD02     | 00D 958 7034 600 | ZENER DIODE(MTZJ10-B)               |         |      |     |
| <b>CAPACITORS GROUP</b>     |          |                  |                                     |         |      |     |
|                             | C05,06   | 00D 958 0044 105 | ELEC. CAPACITOR(1000uF/25V,M)       |         |      |     |
|                             | C07,08   | 00D 958 0044 202 | ELEC. CAPACITOR(1000uF/35V,M)       |         |      |     |
|                             | C09,10   | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)      |         |      |     |
|                             | C11,12   | 00D 958 7033 601 | ELEC.CAPACITOR(100uF/16V,M)         |         |      |     |
|                             | C13      | 00D 958 0044 105 | ELEC. CAPACITOR(1000uF/25V,M)       |         |      |     |
|                             | C14      | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)        |         |      |     |
|                             | C15      | 00D 958 7029 505 | ELEC. CAPACITOR(100uF/10V,M)        |         |      |     |
|                             | C16      | 00D 958 7030 604 | ELEC. CAPACITOR(220uF/25V,M)        |         |      |     |
|                             | C17      | 00D 958 7032 408 | ELEC. CAPACITOR(22uF/16V,M)         |         |      |     |
|                             | C101,102 | 00D 958 7031 603 | CHIP CAPACITOR(390pF/50V,J)         |         |      |     |
|                             | C103,104 | 00D 958 7032 408 | ELEC. CAPACITOR(22uF/16V,M)         |         |      |     |
|                             | C105,106 | 00D 958 7030 808 | CHIP CAPACITOR(100pF/50V,J)         |         |      |     |
|                             | C107,108 | 00D 958 7033 601 | ELEC.CAPACITOR(100uF/16V,M)         |         |      |     |
|                             | C109,110 | 00D 958 7032 301 | POLYESTER CAPACITOR(0.027uF/50V,J)  |         |      |     |
|                             | C111,112 | 00D 958 7032 204 | POLYESTER CAPACITOR(0.0082uF/50V,J) |         |      |     |
|                             | C113,114 | 00D 958 7033 601 | ELEC.CAPACITOR(100uF/16V,M)         |         |      |     |
|                             | C115,116 | 00D 958 7032 408 | ELEC. CAPACITOR(22uF/16V,M)         |         |      |     |
|                             | C117     | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)      |         |      |     |
|                             | C201,202 | 00D 958 7031 603 | CHIP CAPACITOR(390pF/50V,J)         |         |      |     |
|                             | C203,204 | 00D 958 7032 408 | ELEC. CAPACITOR(22uF/16V,M)         |         |      |     |
|                             | C205,206 | 00D 958 7030 808 | CHIP CAPACITOR(100pF/50V,J)         |         |      |     |
|                             | C207,208 | 00D 958 7033 601 | ELEC.CAPACITOR(100uF/16V,M)         |         |      |     |
|                             | C209,210 | 00D 958 7032 301 | POLYESTER CAPACITOR(0.027uF/50V,J)  |         |      |     |
|                             | C211,212 | 00D 958 7032 204 | POLYESTER CAPACITOR(0.0082uF/50V,J) |         |      |     |
|                             | C213,214 | 00D 958 7033 601 | ELEC.CAPACITOR(100uF/16V,M)         |         |      |     |
|                             | C215,216 | 00D 958 7032 408 | ELEC. CAPACITOR(22uF/16V,M)         |         |      |     |
|                             | C217     | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z)      |         |      |     |
|                             | C851-854 | 00D 958 7030 905 | CHIP CAPACITOR(0.1uF/ 50V,Z)        |         |      |     |
|                             | C855-860 | 00D 958 7033 504 | CHIP CAPACITOR(470pF/50V,K)         |         |      |     |
|                             | C911,912 | 00D 958 7029 709 | ELEC. CAPACTIOR(10uF/25V,M)         |         |      |     |
|                             | C915,916 | 00D 958 7033 504 | CHIP CAPACITOR(470pF/50V,K)         |         |      |     |

|                          | Ref. No.  | Part No.         | Part Name                    | Remarks | Q'ty | New |
|--------------------------|-----------|------------------|------------------------------|---------|------|-----|
| <b>OTHER PARTS GROUP</b> |           |                  |                              |         |      |     |
|                          | CN03      | 00D 958 7017 504 | 4P SOCKET                    |         |      |     |
|                          | CN04      | 00D 958 7017 708 | 4P SOCKET                    |         |      |     |
|                          | CN05      | 00D 958 7017 504 | 4P SOCKET                    |         |      |     |
|                          | CN06      | 00D 958 7037 801 | RJ45 JACK                    |         |      |     |
|                          | CN07      | 00D 958 7023 705 | 15P SOCKET                   |         |      |     |
|                          | CN08      | 00D 958 7023 909 | 9P SOCKET                    |         |      |     |
|                          | JK101     | 00D 958 7037 704 | 4P RCA JACK                  |         |      |     |
|                          | JK201     | 00D 958 7037 704 | 4P RCA JACK                  |         |      |     |
|                          | JK851,852 | 00D 958 7037 306 | HEADPHONE JACK(3.5)          |         |      |     |
|                          | JK901     | 00D 958 7037 102 | 2P RCA JACK                  |         |      |     |
|                          | L01-03    | 00D 958 0016 900 | BEAD CORE(86-019-A)          |         |      |     |
|                          | SW101     | 00D 958 7015 409 | SLIDE SW(SSSF122NA1-HF,6PIN) |         |      |     |
|                          | SW201     | 00D 958 7015 409 | SLIDE SW(SSSF122NA1-HF,6PIN) |         |      |     |
|                          | W101      | 00D 958 7017 106 | 6P SOCKET                    |         |      |     |
|                          | W201      | 00D 958 7017 106 | 6P SOCKET                    |         |      |     |
|                          |           | 00D 958 7014 303 | FIXED RACK(0.5t)             |         |      |     |
|                          |           | 00D 958 7039 605 | CUSHION(PORON,10*8*5t)       |         |      |     |

## JACK P.W.B. UNIT ASS'Y

|                             | Ref. No.  | Part No.         | Part Name                      | Remarks | Q'ty | New |
|-----------------------------|-----------|------------------|--------------------------------|---------|------|-----|
| <b>SEMICONDUCTORS GROUP</b> |           |                  |                                |         |      |     |
|                             | IC301     | 00D 958 7035 803 | IC(NJM-2068M)                  |         |      |     |
|                             | IC952     | 00D 958 7035 900 | IC(NJM-2060V)                  |         |      |     |
|                             | Q956-959  | 00D 958 7034 707 | TRANSISTOR(2SC2878-B)          |         |      |     |
|                             |           |                  |                                |         |      |     |
| <b>CAPACITORS GROUP</b>     |           |                  |                                |         |      |     |
|                             | C301,302  | 00D 958 7032 408 | ELEC. CAPACITOR(22uF/16V,M)    |         |      |     |
|                             | C303      | 00D 958 7030 808 | CHIP CAPACITOR(100pF/50V,J)    |         |      |     |
|                             | C304      | 00D 958 7030 303 | CHIP CAPACITOR(22pF/50V,J)     |         |      |     |
|                             | C305      | 00D 958 7029 602 | ELEC. CAPACITOR(4.7uF/50V,M)   |         |      |     |
|                             | C307      | 00D 958 7031 603 | CHIP CAPACITOR(390pF/50V,J)    |         |      |     |
|                             | C309      | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z) |         |      |     |
|                             | C967-970  | 00D 958 7033 300 | ELEC. CAPACITOR(47uF/16V,M)    |         |      |     |
|                             | C971,972  | 00D 958 7030 206 | CHIP CAPACITOR(33pF/50V,J)     |         |      |     |
|                             | C973,974  | 00D 958 7029 107 | CERAMIC CAPACITOR(0.1uF/50V,Z) |         |      |     |
|                             |           |                  |                                |         |      |     |
| <b>OTHER PARTS GROUP</b>    |           |                  |                                |         |      |     |
|                             | CN03      | 00D 958 0021 801 | 3P SOCKET                      |         |      |     |
|                             | JK301     | 00D 958 7037 209 | HEADPHONE JACK(6.4)            |         |      |     |
|                             | JK955,956 | 00D 958 7037 209 | HEADPHONE JACK(6.4)            |         |      |     |

## CPU P.W.B. UNIT ASS'Y

|                      | Ref. No.                                     | Part No.                                                                                         | Part Name                                                                                                                                                     | Remarks           | Q'ty | New |
|----------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|-----|
| SEMICONDUCTORS GROUP |                                              |                                                                                                  |                                                                                                                                                               |                   |      |     |
|                      | IC801<br>IC802<br>IC803                      | 00D 958 7035 405<br>00D 958 7014 400<br>00D 958 7035 609                                         | IC(MAX003)<br>CPU IC ASS'Y<br>IC(BD4745G)                                                                                                                     | IC(W39F010P-70B)  |      |     |
|                      |                                              |                                                                                                  |                                                                                                                                                               |                   |      |     |
| RESISTORS GROUP      |                                              |                                                                                                  |                                                                                                                                                               |                   |      |     |
|                      | RB801<br>RB802                               | 00D 958 7022 405<br>00D 958 0014 601                                                             | FILM RESISTOR NETWORKS(10K OHM,J,8R9P)<br>FILM RESISTOR NETWORKS(10K OHM,J,6R7P )                                                                             |                   |      |     |
|                      | RB803<br>RB804                               | 00D 958 7026 702<br>00D 958 7022 007                                                             | FILM RESISTOR NETWORKS(10K OHM,J,4R5P)<br>FILM RESISTOR NETWORKS(10K OHM,J,3R4P)                                                                              |                   |      |     |
| CAPACITORS GROUP     |                                              |                                                                                                  |                                                                                                                                                               |                   |      |     |
|                      | C801<br>C802<br>C804<br>C805                 | 00D 958 7029 505<br>00D 958 7029 107<br>00D 958 7029 107<br>00D 958 7030 905                     | ELEC. CAPACITOR(100uF/10V,M)<br>CERAMIC CAPACITOR(0.1uF/50V,Z)<br>CERAMIC CAPACITOR(0.1uF/50V,Z)<br>CHIP CAPACITOR(0.1uF/ 50V,Z)                              |                   |      |     |
|                      | C806,807<br>C808<br>C809,810<br>C811<br>C812 | 00D 958 7031 108<br>00D 958 7030 905<br>00D 958 7029 107<br>00D 958 7029 505<br>00D 958 7029 408 | CHIP CAPACITOR(20pF/ 50V,J)<br>CHIP CAPACITOR(0.1uF/ 50V,Z)<br>CERAMIC CAPACITOR(0.1uF/50V,Z)<br>ELEC. CAPACITOR(100uF/10V,M)<br>ELEC. CAPACITOR(2.2uF/50V,M) |                   |      |     |
|                      | C813-818                                     | 00D 958 7029 000                                                                                 | CERAMIC CAPACITOR(0.047uF/50V,Z)                                                                                                                              |                   |      |     |
| OTHER PARTS GROUP    |                                              |                                                                                                  |                                                                                                                                                               |                   |      |     |
|                      | CN04<br>CN804<br>CN805<br><br>L801,802       | 00D 958 7017 106<br>00D 958 7017 203<br>00D 958 7023 802<br><br>00D 958 0016 900                 | 6P SOCKET<br>10P SOCKET<br>6P SOCKET<br><br>BEAD CORE(86-019-A)                                                                                               |                   |      |     |
|                      | W03<br>W801<br>W802<br>W803                  | 00D 958 7023 006<br>00D 958 7016 000<br>00D 958 7023 103<br>00D 958 7016 000                     | 4P CONNECTOR WIRE<br>4P CONNECTOR WIRE<br>4P CONNECTOR WIRE<br>4P CONNECTOR WIRE                                                                              |                   |      |     |
|                      | X801                                         | 00D 958 7037 908<br><br>00D 958 7015 603                                                         | CITIZEN BRAND(CSA-309,16MHz)<br><br>SOCKET(PLCC32TS)                                                                                                          | <br><br>for IC802 |      |     |

**CROSSFADER P.W.B. UNIT ASS'Y**

|                          | Ref. No. | Part No.         | Part Name                        | Remarks | Q'ty | New |
|--------------------------|----------|------------------|----------------------------------|---------|------|-----|
| <b>RESISTORS GROUP</b>   |          |                  |                                  |         |      |     |
|                          | VR01     | 00D 958 7037 005 | SLIDE VR(RA45D2-211-15D1-R0B50K) |         |      |     |
| <b>OTHER PARTS GROUP</b> |          |                  |                                  |         |      |     |
|                          | W801A    | 00D 958 7017 601 | 4P SOCKE                         |         |      |     |
|                          |          | 00D 958 7022 900 | FIXED PLATE FOR SLIDE VR         |         |      |     |
|                          |          | 00D 958 7039 207 | SCREW(ISO,F,3*4,ZS)              |         |      |     |

**TRANS P.W.B. UNIT ASS'Y**

|                          | Ref. No. | Part No.         | Part Name               | Remarks | Q'ty | New |
|--------------------------|----------|------------------|-------------------------|---------|------|-----|
| <b>OTHER PARTS GROUP</b> |          |                  |                         |         |      |     |
|                          | CN01     | 00D 958 7017 106 | 6P SOCKET               |         |      |     |
|                          | SW01     | 00D 958 7015 001 | LEVEL SW(LB(C)-22B-095) |         |      |     |

**CH VR P.W.B. UNIT ASS'Y**

|                          | Ref. No. | Part No.         | Part Name                        | Remarks | Q'ty | New |
|--------------------------|----------|------------------|----------------------------------|---------|------|-----|
| <b>RESISTORS GROUP</b>   |          |                  |                                  |         |      |     |
|                          | VR01     | 00D 958 7037 005 | SLIDE VR(RA45D2-211-15D1-R0B50K) |         |      |     |
| <b>OTHER PARTS GROUP</b> |          |                  |                                  |         |      |     |
|                          | W801A    | 00D 958 7017 601 | 4P SOCKE                         |         |      |     |
|                          |          | 00D 958 7014 604 | FIXING PLATE                     |         |      |     |
|                          |          | 00D 958 7039 207 | SCREW(ISO,F,3*4,ZS)              |         |      |     |

**FADER START P.W.B. UNIT ASS'Y**

|                          | Ref. No.  | Part No.         | Part Name                    | Remarks | Q'ty | New |
|--------------------------|-----------|------------------|------------------------------|---------|------|-----|
| <b>OTHER PARTS GROUP</b> |           |                  |                              |         |      |     |
|                          | SW801-804 | 00D 958 7015 409 | SLIDE SW(SSSF122NA1-HF,6PIN) |         |      |     |
|                          | W805      | 00D 958 7023 501 | 5P CONNECTOR WIRE            |         |      |     |

**REVERSE P.W.B. UNIT ASS'Y**

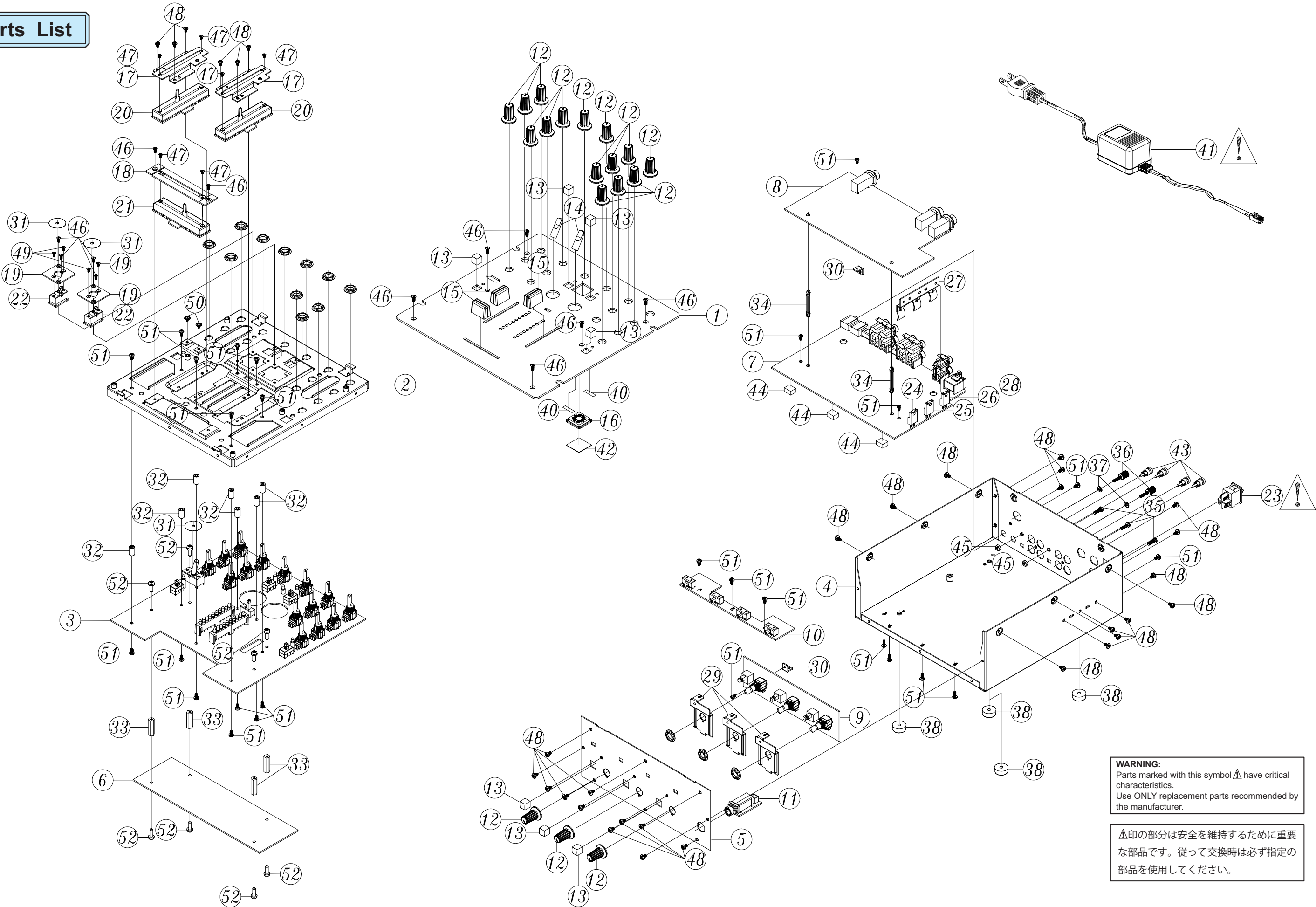
|                             | Ref. No.  | Part No.         | Part Name                    | Remarks      | Q'ty | New |
|-----------------------------|-----------|------------------|------------------------------|--------------|------|-----|
| <b>SEMICONDUCTORS GROUP</b> |           |                  |                              |              |      |     |
|                             | D801-803  | 00D 958 0041 700 | LED (RED)                    |              |      |     |
| <b>RESISTORS GROUP</b>      |           |                  |                              |              |      |     |
|                             | VR801-803 | 00D 958 7036 307 | ROTARY VR(10KB,RD09L114001K) |              |      |     |
| <b>OTHER PARTS GROUP</b>    |           |                  |                              |              |      |     |
|                             | SW805-807 | 00D 958 7014 701 | PUSH SW(PSA-42E06L-O-250)    |              |      |     |
|                             | W804      | 00D 958 7023 200 | 10P CONNECTOR WIRE           |              |      |     |
|                             |           | 00D 958 7038 402 | LED HOLDER                   | for D801-803 |      |     |
|                             |           | 00D 958 0045 803 | BRACKET(L TYPE)              |              |      |     |
|                             |           | 00D 958 7038 907 | SCREW(M3*P0.5*5L)            |              |      |     |

**PHONE P.W.B. UNIT ASS'Y**

|                          | Ref. No. | Part No.         | Part Name           | Remarks | Q'ty | New |
|--------------------------|----------|------------------|---------------------|---------|------|-----|
| <b>OTHER PARTS GROUP</b> |          |                  |                     |         |      |     |
|                          | CN501    | 00D 958 0021 801 | 3P SOCKET           |         |      |     |
|                          | JK501    | 00D 958 7037 209 | HEADPHONE JACK(6.4) |         |      |     |

EXPLODED VIEW

Parts List



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

⚠印の部分は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

# PARTS LIST OF EXPLODED VIEW

\*本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。

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

E3: U.S.A. & Canada model

E2: Europe model

EK: U.K. model

E2A: Asia model

E1C: China model

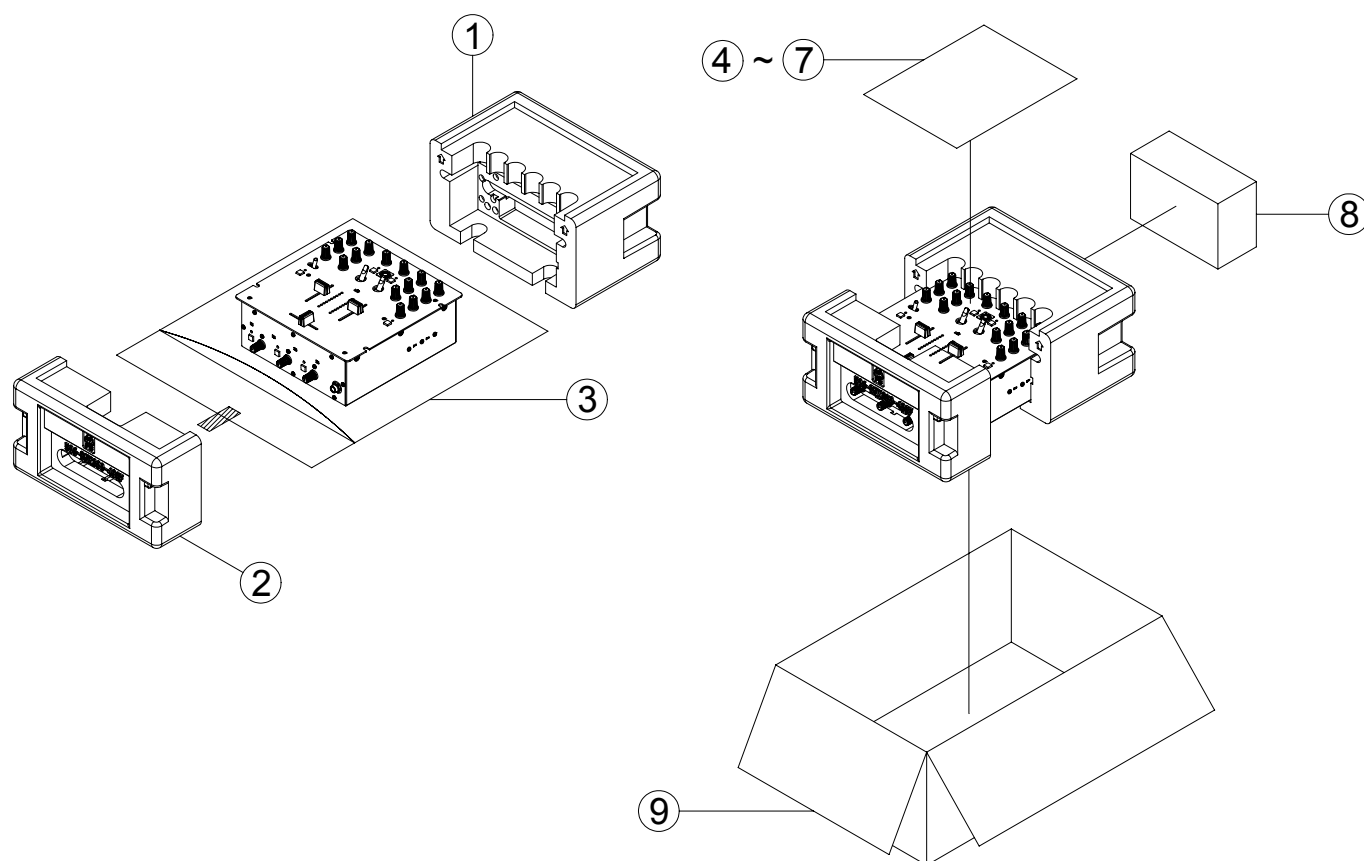
EUT: Taiwan R.O.C. model

E1K: Korea model

JP: Japan model

|   | Ref. No. | Part No.         | Part Name                 | Remarks | Q'ty | New |
|---|----------|------------------|---------------------------|---------|------|-----|
|   | 1        | 00D 958 7022 803 | FRONT PANEL               |         | 1    |     |
|   | 2        | 00D 958 7039 906 | FRONT BOARD ASS'Y         |         | 1    | *   |
|   | 3        | 00D 958 7040 306 | MIXER PCB ASS'Y           |         | 1    | *   |
|   | 4        | 00D 958 7040 005 | BOTTOM BASE ASS'Y         |         | 1    | *   |
|   | 5        | 00D 958 7013 906 | FRONT COVER               |         | 1    |     |
|   | 6        | 00D 958 7040 403 | CPU PCB ASS'Y             |         | 1    | *   |
|   | 7        | 00D 958 7040 500 | OUTPUT PCB ASS'Y          |         | 1    | *   |
|   | 8        | 00D 958 7040 607 | JACK PCB ASS'Y            |         | 1    | *   |
|   | 9        | 00D 958 7041 004 | REVERSE PCB ASS'Y         |         | 1    | *   |
|   | 10       | 00D 958 7040 908 | FADER START PCB ASS'Y     |         | 1    | *   |
|   | 11       | 00D 958 7043 206 | PHONE PCB ASS'Y           |         | 1    | *   |
|   | 12       | 00D 958 7012 907 | ROTARY KNOB(ABS,BLACK)    |         | 18   | *   |
|   | 13       | 00D 958 7013 100 | SQUARE KNOB               |         | 7    | *   |
|   | 14       | 00D 958 7013 508 | POKE KNOB(BLACK)          |         | 2    | *   |
|   | 15       | 00D 958 7013 401 | PUSH KNOB                 |         | 3    | *   |
|   | 16       | 00D 958 7013 207 | MARK WINDOW               |         | 1    | *   |
|   | 17       | 00D 958 7014 604 | FIXING PLATE              |         | 2    |     |
|   | 18       | 00D 958 7022 900 | FIXED PLATE FOR SLIDE VR  |         | 1    |     |
|   | 19       | 00D 958 7014 507 | APART BOARD               |         | 2    |     |
|   | 20       | 00D 958 7043 109 | CH VR PCB ASS'Y           |         | 2    |     |
| ! | 21       | 00D 958 7040 801 | CROSSFADER PCB ASS'Y      |         | 1    | *   |
|   | 22       | 00D 958 7043 002 | TRANS PCB ASS'Y           |         | 2    | *   |
|   | 23       | 00D 958 7040 704 | POWER SW ASS'Y            |         | 1    | *   |
|   | 24       | 00D 958 0040 303 | IC 7805                   |         | 1    |     |
|   | 25       | 00D 941 0021 405 | IC(NJM7915FA)             |         | 1    |     |
|   | 26       | 00D 958 7035 502 | IC(NJM7815FA 3PIN)        |         | 1    | *   |
|   | 27       | 00D 958 7014 206 | FIXED PLATE FOR IC        |         | 1    |     |
|   | 28       | 00D 958 7014 303 | FIXED RACK(0.5t)          |         | 1    |     |
|   | 29       | 00D 958 7014 002 | FIXED PLATE FOR ROTARY VR |         | 3    |     |
|   | 30       | 00D 958 0045 803 | BRACKET(L TYPE)           |         | 2    |     |
|   | 31       | 00D 958 7039 809 | CUSHION(28*4.8*0.5t)      |         | 3    | *   |
|   | 32       | 00D 958 7013 702 | SLEEVE(6*10.2L)           |         | 7    |     |
|   | 33       | 00D 958 7038 305 | SPACER SUPPORT(H-20)      |         | 4    | *   |
|   | 34       | 00D 958 7038 101 | SPACER SUPPORT(KCA-30)    |         | 2    | *   |
|   | 35       | 00D 958 0006 004 | SCREW(3*10 ZK PTP)        |         | 3    |     |
|   | 36       | 00D 958 7013 605 | GROUND PIN                |         | 2    | *   |
|   | 37       | 00D 958 7039 508 | WASHER(8*3.2*1t,NI)       |         | 2    | *   |
|   | 38       | 00D 958 7045 107 | FOOT                      |         | 4    | *   |
|   | 40       | 00D 958 7038 509 | REVERSIBLE PASTE(3mm)     |         | 2    | *   |
| ! | 41       | 00D 958 7043 400 | TRANSFORMER(AC120V)       | for E3  | 1    |     |
| ! | 41       | 00D 958 7043 507 | TRANSFORMER(AC230V)       | for E2  | 1    |     |
| ! | 41       | 00D 958 7043 604 | TRANSFORMER(AC100V)       | for JP  | 1    |     |
|   | 42       | 00D 958 7038 004 | SPREAD BOARD              |         | 1    | *   |
|   | 43       | 00D 958 7037 500 | RCA ADAPTOR PLUG(A028)    |         | 4    | *   |
|   | 44       | 00D 958 7039 605 | CUSHION(PORON,10*8*5t)    |         | 3    | *   |
|   | 45       | 00D 958 7038 606 | NUT(M3*P0.5)              |         | 2    | *   |
|   | 46       | 00D 958 7038 800 | SCREW(CTF,3*7)            |         | 12   | *   |
|   | 47       | 00D 958 7039 207 | SCREW(ISO,3*4,ZS)         |         | 6    | *   |
|   | 48       | 00D 958 7039 100 | SCREW(BTB,3*5,ZB)         |         | 32   | *   |
|   | 49       | 00D 958 7039 003 | SCREW(2.6*5)              |         | 4    | *   |
|   | 50       | 00D 958 0001 902 | SCREW(2.6*4 P=0.45)       |         | 2    |     |
|   | 51       | 00D 958 7038 907 | SCREW(M3*P0.5*5L)         |         | 27   | *   |
|   | 52       | 00D 958 7038 703 | SCREW(M3*8,P=0.5,BLACK)   |         | 8    | *   |

## PACKING VIEW



## PARTS LIST OF PACKING & ACCESSORIES

\*本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。

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

E3: U.S.A. & Canada model

E2: Europe model

EK: U.K. model

E2A: Asia model

E1C: China model

EUT: Taiwan R.O.C. model

E1K: Korea model

JP: Japan model

|   | Ref. No. | Part No.         | Part Name               | Remarks   | Q'ty | New |
|---|----------|------------------|-------------------------|-----------|------|-----|
|   | 1        | 00D 958 7044 302 | POLYFOAM B              |           | 1    | *   |
|   | 2        | 00D 958 7044 409 | POLYFOAM F              |           | 1    | *   |
|   | 3        | 00D 958 7044 904 | SOFT BAG                |           | 1    | *   |
|   | 4        | 00D 958 0039 505 | POLY COVER              |           | 1    | *   |
|   | 5        | 00D 958 7043 808 | INST. MANUAL            | for E3,E2 | 1    | *   |
|   | 5        | 00D 958 7043 701 | INST. MANUAL            | for JP    | 1    | *   |
|   | 6        | 00D 515 0923 304 | S.S.LIST                | for E3,E2 | 1    | *   |
|   | 6        | 00D 515 0918 209 | S.S.LIST                | for JP    | 1    | *   |
|   | 7        | 00D 515 0966 109 | WARRANTEE               | for E3    | 1    | *   |
|   | 8        | 00D 958 7043 400 | TRANSFORMER(AC120V)     | for E3    | 1    | *   |
| ⚠ | 8        | 00D 958 7043 507 | TRANSFORMER(AC230V)     | for E2    | 1    | *   |
| ⚠ | 8        | 00D 958 7043 604 | TRANSFORMER(AC100V)     | for JP    | 1    | *   |
| ⚠ | 9        | 00D 958 7044 603 | GIFT BOX(480*294*163mm) | for E3,E2 | 1    | *   |
|   | 9        | 00D 958 7044 506 | GIFT BOX(480*294*163mm) | for JP    | 1    | *   |
|   | ★ 10     | 00D 515 0919 004 | GUARANTEE CARD(S)       | for JP    | 1    | *   |
|   | ★ 11     | 00D 958 7019 007 | POS LABEL               | for JP    | 1    | *   |

## NOTE FOR SCHEMATIC DIAGRAM

### WARNING:

Parts marked with this symbol  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.

## 配線図について

印の部品は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

### 注)

- (1) 指定なき抵抗値は  $\Omega$ 、k は k  $\Omega$ 、M は M  $\Omega$  を示す。
- (2) 指定なきコンデンサーの値は  $\mu\text{F}$ 、p は pF を示す。
- (3) 各部の電圧は無信号の値を示す。
- (4) この配線図は基本配線図です。改良等のため変更することがありますのでご了承ください。

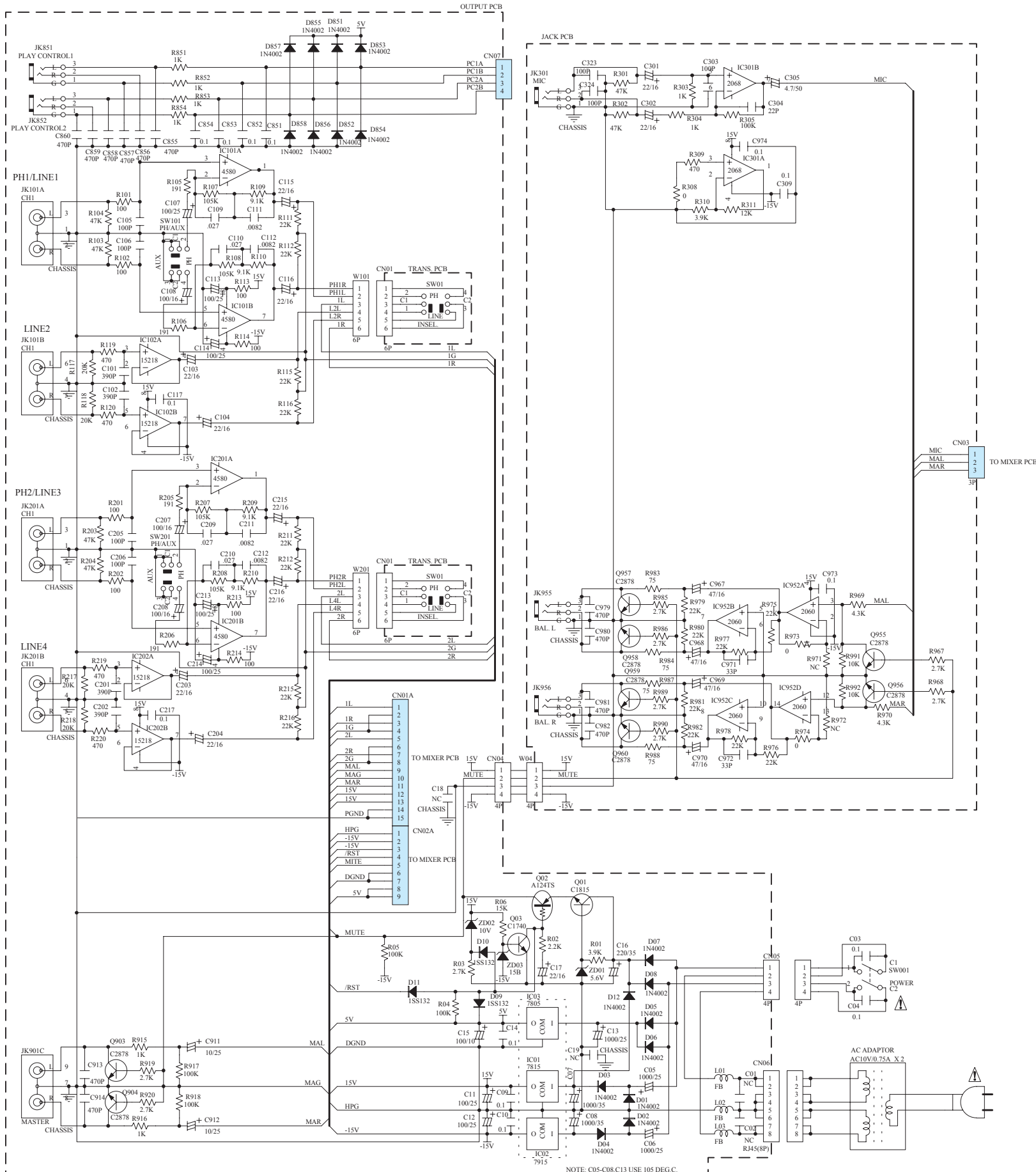


32



SCHEMATIC DIAGRAMS (3/3)

1 2 3 4 5 6 7 8 9 10 11



SCHEMATIC DIAGRAMS (3/3)  
OUTPUT UNIT  
JACK UNIT  
TRANS UNIT