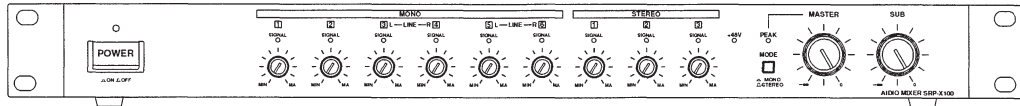


SRP-X100

SERVICE MANUAL

J Model
AEP Model
E Model



SPECIFICATIONS

項目	条件	規格
周波数特性 (LINE/STEREO-IN)	20Hz~20kHz, 1kHz基準 MASTER OUT 5Hz~100kHz, 1kHz基準 MASTER OUT	+0.5dB/-1dB +0.5dB/-2dB
全高調波歪率 (T.H.D)	MONO IN-MASTER OUT, 1kHz -44dBu入力 MONO IN-MASTER OUT, 1kHz +4dBu入力 STEREO IN-MASTER OUT, 1kHz -10dBu入力	0.01%以下 0.005%以下 0.005%以下
残留雑音レベル	chフェーダ: ∞ MASTER VOL: 0 MASTER OUT IHF-A	-83dBu以下
入力換算雑音レベル	MONO IN 入力150 Ω 終端 IHF-A	-126dBu以下
クロストーク	1kHz L-R間 1kHz ch間 1kHz MAX-MIN (chフェーダ)	-70dB以下 -80dB以下 90dB以上

入出力仕様

名称	端子形状	系統数	基準入出力レベル	最大入出力レベル	入出力インピーダンス
MONO IN*1	XLR3-31	6	MIC: -60dBu LINE: +4dBu	MIC: -30dBu LINE: +24dBu	MIC: 2.2k Ω 以上 LINE: 10k Ω 以上
STEREO IN	PIN	3(ステレオ)	-10dBu	+10dBu	47k Ω 以上
REC OUT	PIN	1(ステレオ)	-10dBu	+10dBu	470 Ω 以下
SUB OUT	PIN	2	-5dBu	+15dBu	470 Ω 以下
MASTER OUT	XLR3-32	1(ステレオ)	+4dBu	+24dBu	47 Ω 以下

0dBu = 0.775V *1 MONO1~2はMICレベル固定、MONO3~6は入力レベル切替可能

その他

+48V電源	MONO1~6 XLR端子のみ給電 (MONO3~6はMICレベル設定時のみ)
--------	---

電源 AC100V、50/60Hz
消費電力 17W
外形寸法 482 x 44 x 175 (幅/高さ/奥行き) 突起部含まず
質量 2.6kg
動作温度 0℃~40℃
保存温度 -20℃~60℃

付属品 取扱説明書 (1) フット (4)
保証書 (1) 電源コード (1)
ソニーサービス窓口・ご相談窓口のご案内 (1)
推奨アクセサリ MU-11Gフロントガード

仕様および外観は、改良のため、予告なく変更することがありますが、ご了承ください。

AUDIO MIXER

SONY®

Item	Conditions	Standard
Frequency response (LINE/STEREO-IN)	20Hz to 20kHz, 1kHz fundamental, MASTER OUT 5Hz to 100kHz, 1kHz fundamental, MASTER OUT	+0.5dB/-1dB +0.5dB/-2dB
Total harmonic distortion (T.H.D.)	MONO IN-MASTER OUT, 1kHz -44dBu input STEREO IN-MASTER OUT, 1kHz +4dBu input STEREO IN-MASTER OUT, -1kHz -10dBu input	less than 0.01% less than 0.005% less than 0.005%
Residual noise level	ch fader: $-\infty$ MASTER VOL : 0 MASTER OUT IHF-A	less than -83dBu
Equivalent input noise	MONO IN input terminated at 150 Ω IHF-A	less than -126dBu
Crosstalk	1kHz 1kHz across L-R 1kHz across channels 1kHz MAX-MIN (ch fader)	less than -70dB less than -80dB more than 90dB

INPUTS/OUTPUTS

Connector	Connector type	Channel	Reference I/O Level	Max I/O Level	I/O Impedance
MONO IN ^{*1}	XLR3-31	6	MIC: -60dBu LINE: +4dBu	MIC: -30dBu LINE: +24dBu	MIC: more than 2.2k Ω LINE: more than 10k Ω
STEREO IN	PHONO	3(Stereo)	-10dBu	+10dBu	more than 47k Ω
REC OUT	PHONO	1(Stereo)	-10dBu	+10dBu	less than 470k Ω
SUB OUT	PHONO	2	-5dBu	+15dBu	less than 470k Ω
MASTER OUT	XLR3-32	1(Stereo)	+4dBu	+24dBu	less than 47 Ω

0dBu = 0.755V

^{*1} MONO 1 - 2 : MIC level only

MONO 3 - 6 : MIC level or LINE level selectable

OTHERS

+48 V Power supply	MONO 1 - 6 jacks (MONO 3 - 6 are only during Mic level settings)
--------------------	--

Power requirements AC 120/230V (switch selectable) 50/60Hz

Power consumption 19W

Dimensions 482 x 44 x 175 mm(width/height/depth)
not including max protrusion

Mass 2.6kg

Operating temp. 0°C to 40°C

Storage temp. -20°C to 60°C

Suplied accessories Operating instructions (1)
EURO type AC power cord (1)
US type AC power cord (1)

Recommend accessory MU-11G Front guard

Design and specifications are subject to change without notice.

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2-6. Schematic Diagram
– Main (3/4)/AC/LED/PSW Section – 15

2-7. Schematic Diagram
– Main (4/4)/IND1/IND2 Section – 17

2-8. Printed Wiring Board
– AC/LED/IND1/IND2/PSW Section – 19

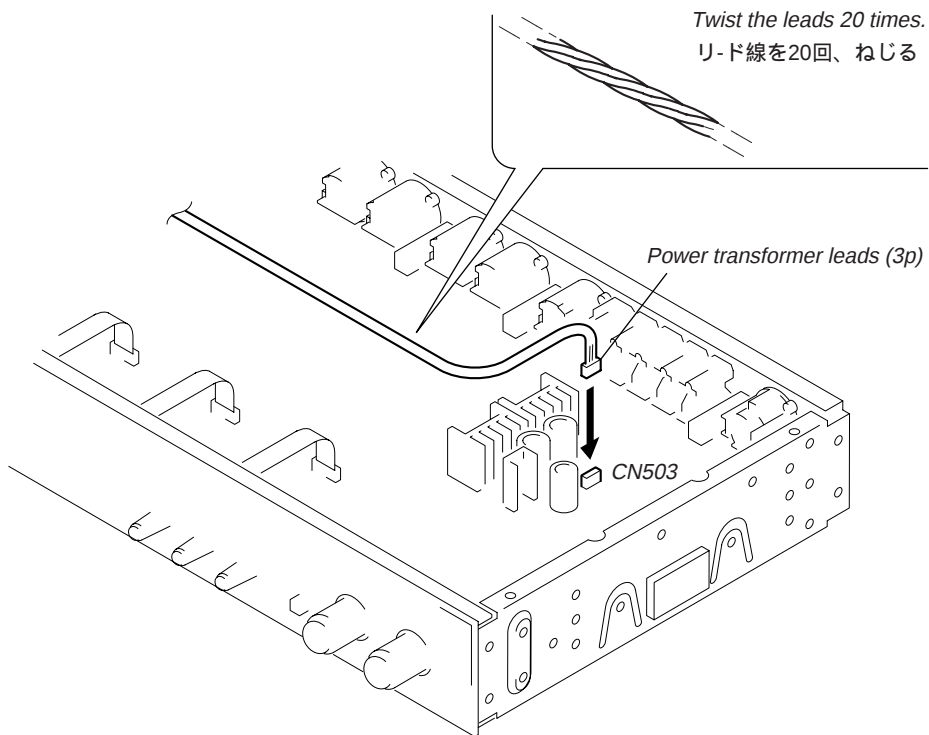
3. EXPLODED VIEW

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SERVICE NOTE

- セット組み立て時、電源トランスからメイン基板のCN503へ接続するリード線3Pを下図のように20回ねじり、接続する。
- When assembling the unit, twist leads 3P 20 times to be connected from the power transformer to the main board CN503 as shown below and connect them.



主な特長

SRP-X100は6チャンネルモノラル入力、3チャンネルステレオ入力をもつ1Uサイズのオーディオミキサーです
学校、企業等のAV視聴システムや、結婚式場等の小規模ホール用のPAミキサーとして使用できます。

6系統のモノラル入力を装備
マイクレベル(+60dBu)のモノラル入力(XLR端子)を6チャンネル装備しています。
一括設定によりコンデンサマイクロホン用の電源(DC+48V)の供給も可能です。
また、3～6チャンネルは入力レベル切替ボタンにより、ラインレベル(+4dBu)のステレオ入力としても使用できます。

3系統のステレオ入力を装備
ピンジャックのステレオ入力(-10dBu)を3チャンネル装備しています。
また、自身の信号の回り込みによる発振を防ぐ、レコーダー機器専用入力端子(ST3)を用意しました。
RECパスから切り離す事で自身の信号の回り込みによる発振を防ぐことができます。

豊富な出力端子を装備
MASTER OUTPUT、SUB OUTPUT、REC OUTPUTと豊富な出力を持つことにより様々なシステムに対応できます。

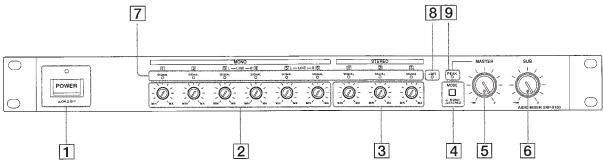
SIGNALインジケータ、MASTER OUTPUTに出力PEAKインジケータを装備

EIA規格19インチラックにマウント可能

別売のMU-11Gフロントガードを取り付け可能
誤操作防止として電源スイッチ以外のつまみ、ボタン類をカバーする別売りのフロントガードMU-11Gが取り付け可能です。

各部の名称と働き

前面



- 1 電源ボタンと電源表示インジケータ**
本機の電源をON/OFFします。電源がONのときに、電源表示インジケータが点灯(緑色)します。

2 MONO INPUTつまみ
MONO INPUTチャンネル1～6のミキシング・レベルを調節します。

3 STEREO INPUTつまみ
STEREO INPUTチャンネル1～3のミキシング・レベルを調節します。
ST3の音声はREC OUTPUT端子に出力されません。
したがってST3 INPUTつまみを上げたまま録音を行っても、信号のループができずに安全に録音が行えます。(イラスト参照)。
- 4 MODEボタン**
MASTER OUTPUTの出力方式を切替えます。
MONO(●)でモノラル出力、STEREO(■)でステレオ出力になります。

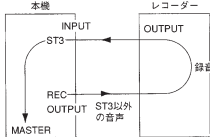
5 MASTER OUTPUTつまみ
MASTER OUTPUT端子の出力レベルを調節します。

6 SUB OUTPUTつまみ
SUB OUTPUT端子の出力レベルを調節します。

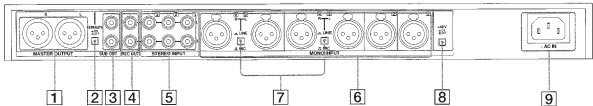
7 SIGNALインジケータ
基準入力レベルから-20dB以上の信号が入ると点灯します。

8 +48Vインジケータ
MONO入力端子にコンデンサマイクロホン用の電源(DC+48V)が供給されている時に点灯します。

9 PEAKインジケータ
過大出力信号を警告します。
連続して点灯した場合はINPUTつまみを調節する必要があります。(時々、点灯する程度なら実用上、問題ありません。)



裏面



- 1 MASTER OUTPUT端子**
XLR-3-32相当(平衡、基準出力レベル+4dBu)
1番ピン:GND 2番ピン:HOT 3番ピン:COLD
MASTER OUTPUT VOLUMEを通過した信号が出力されます。

2 SEPARATEボタン
このボタンをON(●)にするとMASTER OUTPUT端子からはラインレベルに設定されたMONO INPUTの信号とSTEREO入力の信号が出力され、SUB OUTPUT端子からはマイクレベルに設定されたMONO INPUTの信号のみが出力されます。
ラインレベル出力の信号とマイク信号をわけて出力する場合に使用します。

3 SUB OUTPUT端子
ピンジャック(不平衡、基準出力レベル-5dBu)
SUB OUTPUT VOLUMEを通過したモノミックス信号が出力されます。
2つのピンジャックからは同じ信号が出力されます。

4 REC OUTPUT端子
ピンジャック(不平衡、基準出力レベル-10dBu)
MASTER OUTPUT VOLUMEを通らない信号が出力されます。

5 STEREO INPUT端子
ピンジャック(不平衡、基準入力レベル-10dBu)
STEREO INPUTチャンネルの入力端子です。
ST1,2は、主に再生専用機器、ST3には、本機のREC OUTPUT端子と接続した録音を行う機器を接続します。
- 6 MONO INPUT端子**
XLR-3-31相当(平衡、基準入力レベルLINE: +4dBu、MIC-60dBu)
1番ピン:GND 2番ピン:HOT 3番ピン:COLD
MONO INPUTチャンネルの入力端子です。
MONO1/2にはマイクが、MONO3～6にはマイクからラインレベル機器が接続できます。
MONO3～6にラインレベル出力機器を接続する場合は入力レベル切替ボタンをLINE(●)に設定して下さい。また、マイクレベル設定ではカットオフ周波数=100HzのLCFが機能します。

7 入力レベル切替ボタン
接続する機器に応じてMONO INPUT3/4、MONO INPUT5/6の入力レベルを切替えるボタンです。
このボタンをLINE(●)にするとラインレベル(+4dBu)の入力になり、3.5chはLchに4.6chはRchに自動的にアサインされ出力されます。

8 +48Vボタン
MONO INPUT端子1～6にコンデンサマイクロホン用の電源(DC+48V)を供給するボタンです。
このボタンをON(●)にするとマイクレベルに設定されているMONO INPUT端子にDC+48Vが出力されます。

ご注意

 - ケーブルを抜き挿しする場合や、+48Vボタンを切り替える場合は、必ずMONO INPUTつまみを全て絞ってから行ってください。

9 ACインレット
付属の電源コードを接続します。

故障とお考えになる前に

電源が入らない	電源コードが抜けていませんか。
音が出ない	- INPUTつまみがMINIになっていませんか。 - OUTPUTつまみが-∞になっていませんか。
マイクの音が出ない	MONO3～6にマイクを接続して入力レベル切替ボタンがLINEになっていませんか。(5ページ)
- MASTER OUTPUTからマイクの音が出ない - SUB OUTPUTからLINEレベル・STEREO系統に接続した機器の音が出ない	SEPARATEボタンがON(●)になっていませんか。(5ページ)
REC OUTPUTからST3入力音が出ない	ST3の音はREC OUTPUTに出力されません。(4ページ)
音にステレオ感がない	MODEボタンはSTEREOになっていますか。(4ページ)
音が歪む	- PEAKインジケータが点灯していませんか。(4ページ) - MONO3～6にLINE機器を接続して入力レベル切替ボタンがMICIになっていませんか。(5ページ)

Features

The SRP-X100 is a 1U audio mixer having a 6 channel monaural input, and 3 channel stereo input. This mixer is ideal as a public address (PA) mixer in small-scale halls such as civic and banquet halls, and in schools, AV systems in offices, etc.

6 channel Monaural Inputs

A 6 channel monaural input (XLR jack) for microphone level inputs is provided. Supplies power (+48V DC) to condensor microphones with just one setting. Input level selector buttons (for 3 - 6 channels) on rear panel can also be used for stereo input (+4dBu) at line level.

3 channel Stereo Inputs

Phono jack stereo inputs (-10dBu) for 3 channels are provided. A dedicated input connector(ST3) for recorders is provided to prevent self-oscillation due to feedback from its own signal. The REC bus is isolated to prevent self-oscillation due to feedback from the original signal.

Plentiful Output connectors

Compatible with many systems thanks to Plentiful outputs including MASTER OUTPUT, SUB OUTPUT and REC OUTPUT.

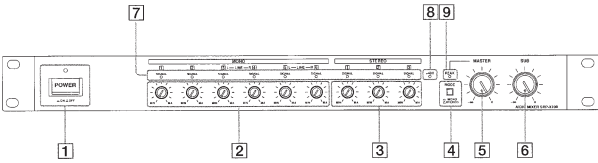
All Channels are equipment with Signal Indicators and the MASTER OUTPUT is equipment a Peak Indicator.

Easy Mounting into 19"EIA Standard Rack.

Afront guard MU-11G (sold separately) can be attached to this unit. Afront guard MU-11G (sold separately) to cover buttons other than the power switch knob can be attached to this unit to prevent accidental or mistaken operation.

Location and function of parts

Front panel



1 POWER button & Power Indicator

This turns the power to the unit on and off. Power indicator lights up (green) when power is on.

2 MONO INPUT knobs

Use to adjust the mixing level on MONO INPUT channels 1 - 6.

3 STEREO INPUT knobs

Use to adjust the mixing level on STEREO INPUT channels 1 - 3. The ST3 audio is output from REC OUTPUT connectors. Therefore no signal loop occurs and sounds can be safely recorded even if the ST3 INPUT knob is still set high during recording. (See illustration).

4 MODE button

Selects how to use the MASTER OUTPUT. At MONO (M) issues a monaural output, at STEREO (S) issues a stereo output.

5 MASTER OUTPUT knob

Use this knob to adjust the output level at the MASTER OUTPUT connectors.

6 SUB OUTPUT knob

Use this knob to adjust the output level at the SUB OUTPUT connectors.

7 SIGNAL indicators

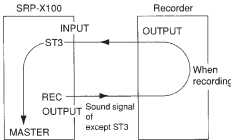
This indicator lights up when input with a signal ranging from standard input level to more than -20dB.

8 +48V indicator

This indicator lights up when power (+48V DC) is supplied to the MONO INPUT connectors.

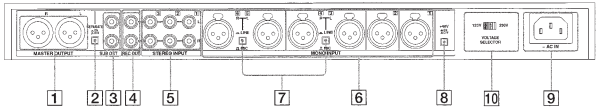
9 PEAK indicator

Warns that the output signal is too high. The INPUT knob must be adjusted when this indicator keeps lighting up. (If indicator lights up only occasionally then there is no problem.)



Location and function of parts

Rear panel



1 MASTER OUTPUT connectors

XLR-3-32 type. (balanced, reference output level:+4dBu)
No.1 pin:GND No.2 pin:HOT No.3 pin:COLD
Outputs signal from MASTER OUTPUT VOLUME.

2 SEPARATE button

Pressing this button to ON (M) outputs only STEREO INPUT signals or MONO INPUT signals that is set to line level from the MASTER OUTPUT connector, output only MONO INPUT signal that is set to microphone level from SUB OUTPUT connector. Used for separate to the line level output signals and microphone signals.

3 SUB OUTPUT connectors

Phono jack (unbalanced, reference output level:-5dBu)
Outputs a mono-mixed signal from SUB OUTPUT VOLUME.
Outputs the same signal from two phono jacks.

4 REC OUTPUT connectors

Phono jack (unbalanced, reference output level:-10dBu)
Outputs the signal not passing through MASTER OUTPUT VOLUME.

5 STEREO INPUT connectors

Phono jack (unbalanced, reference output level:-10dBu)
These are input jacks for the STEREO INPUT channel.
ST1, 2 are usually only for playback equipment. ST3 is connected to a recording equipment wired to the REC OUTPUT connector of this unit (SRP-X100).

6 MONO INPUT connectors

XLR-3-31 type. (balanced, reference input level LINE:+4dBu, MIC:-60dBu)
No.1 pin:GND No.2 pin:HOT No.3 pin:COLD
This is an input connector for the MONO INPUT channel.
MONO 1/2 are for microphones but MONO 3 - 6 connect to either microphones or line level devices. Set the input level selector button to LINE position (M) when a line level output device is connected to MONO 3 - 6.
The LCF for Fc=100Hz functions when setting the mic level.

7 INPUT LEVEL Selector buttons

These buttons switch the MONO INPUT 3-4, MONO INPUT 5-6 input levels according to the connected equipment.
When these buttons is set to LINE (M) to a line level (+4dBu) input and automatically assigns Ch. 3, 5 to the L channel, and Ch. 4, 6 to the R channel.

8 +48V button

This button supplies power (+48V DC) for the condensor microphone to MONO INPUT connectors 1 - 6.
Setting this button to ON (M), supplies +48V DC to the MONO INPUT connectors that is set to mic level.

Note

• Before removing cables, or using the +48V button, always be sure to turn the MONO INPUT button all the way down.

9 AC Inlet

Attach the supplied AC power cord here.

10 VOLTAGE SELECTOR

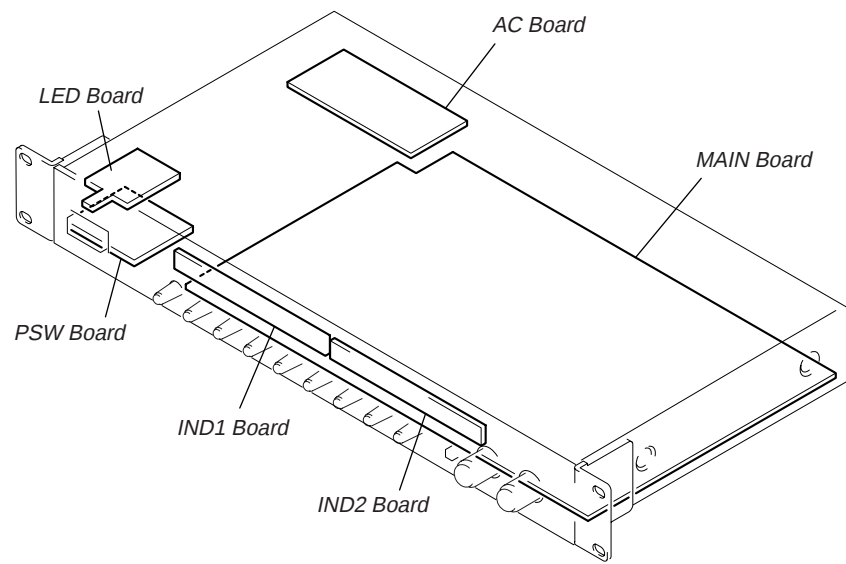
Set the VOLTAGE SELECTOR to your areas voltage value. Please refer to P4.Precautions.

Troubleshooting

Power will not turned on.	Has AC power cord been pulled out?
No sound.	• Is INPUT knob set to MIN? • Is OUTPUT knob set to -∞ ?
No sound from microphone.	Was INPUT LEVEL Selector button mistakenly set to LINE (instead of MIC) for microphones connected to MONO 3 - 6. (page 6)
• No microphone audio from MASTER OUTPUT. • No audio from equipment connected to line level - stereo system from SUB OUTPUT.	Was SEPARATE button set to ON (M)? (page 6)
No ST3 input audio from REC OUTPUT.	Signal from ST3 does not output to REC OUTPUT. (page 5)
Audio does not sound like stereo.	Is the MODE button set to STEREO? (page 5)
Sound is distorted.	• Is PEAK indicator lighting up? (page 5) • Was INPUT LEVEL Selector button set to MIC (instead of LINE) for line equipment connected to MONO 3 - 6. ?(page 6)

SECTION 2
DIAGRAMS

2-1. CIRCUIT BOARDS LOCATION



プリント図，回路図用共通ノート

回路図ノート

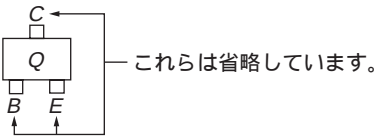
- ケミコン，タンタルを除くコンデンサで，耐圧 50V 以下のものは，その耐圧を省略。単位はすべて μF (p は pF)。
- 抵抗で指示のないものは，1 / 4W 以下を示す。単位はすべて Ω 。
- Δ : 内蔵部品。
- : パネル表示名称。
- B+ : B + ライン。
- B- : B - ライン。

Δ 印の部品，または Δ 印付の点線で囲まれた部品は，安全性を維持するために，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下さい。

- 電圧は，対アース間を無信号状態で測定。
 - 電圧値は，テスタ (入力インピーダンス 10M Ω / V) で測定した参考値。
 - 信号の流れについて
 $\Rightarrow$: AUDIO
 - 電圧測定条件
- | | |
|------------------------|-----------|
| MONO, STEREO INPUT つまみ | MIN |
| MASTER, SUB OUTPUT つまみ | $-\infty$ |
| MODE ボタン | STEREO |
| SEPARATE ボタン | OFF |
| +48V ボタン | OFF |
| 入力レベル切換ボタン | MIC |

プリント図ノート

- $\circ$ — : 部品面側取付のリード線。
- --- : 見ている側のパターン
(他のパターンについては表示されません)
- トランジスタの表記



THIS NOTE IS COMMON FOR WIRING BOARDS
AND SCHEMATIC DIAGRAMS

For schematic diagrams

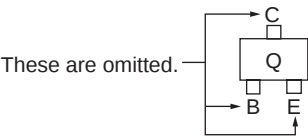
- All capacitors are in μF unless otherwise noted. pF : $\mu\mu F$. 50V or less are not indicated except for electrolytics and tantalums.
- All resistors except chips are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- Δ : internal component.
- : panel designation
- B+ : B+ Line
- B- : B- Line

Note : The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

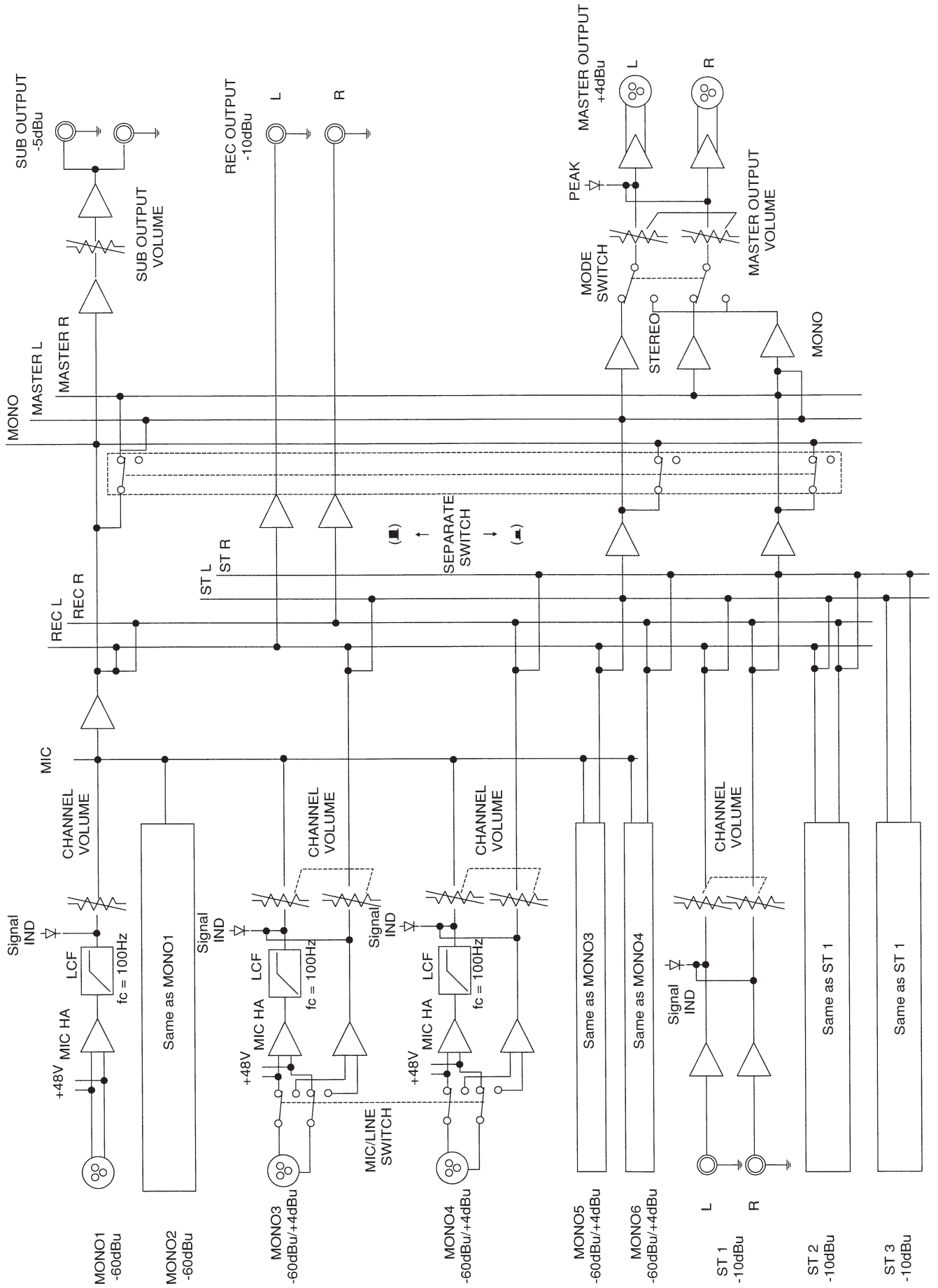
- Voltage is measured with respect to ground under no-signal conditions.
 - Voltages are reference values measured by a VOM (10M Ω /V).
 - Signal path.
 $\Rightarrow$: AUDIO
 - Conditions of measuring voltage
- | | |
|------------------------------|-----------|
| MONO, STEREO INPUT knobs | MIN |
| MASTER, SUB OUTPUT knobs | $-\infty$ |
| MODE button | STEREO |
| SEPARATE button | OFF |
| +48V button | OFF |
| INPUT LEVEL Selector buttons | MIC |

For printed wiring boards

- $\circ$ — : parts extracted from the component side.
- --- : Pattern on the side which is seen.
(Other patterns are not shown.)
- Indication of transistor.



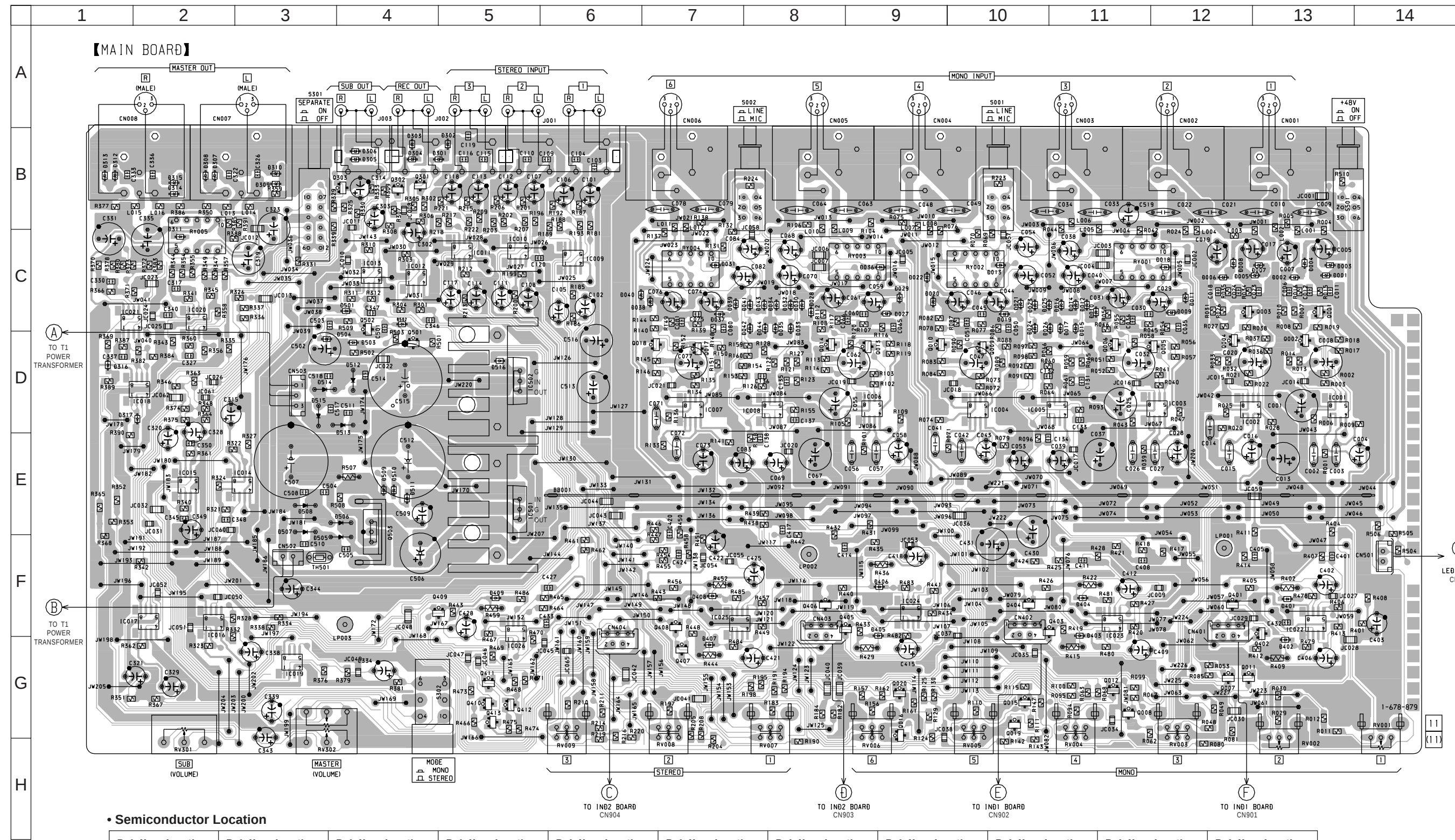
2-2. BLOCK DIAGRAM



2-3. PRINTED WIRING BOARD – MAIN SECTION –

- Refer to page 7 for Note on Printed Wiring Boards.
- Refer to page 7 for Circuit Board Location.

There are a few cases that the part printed on this diagram isn't mounted in this model.

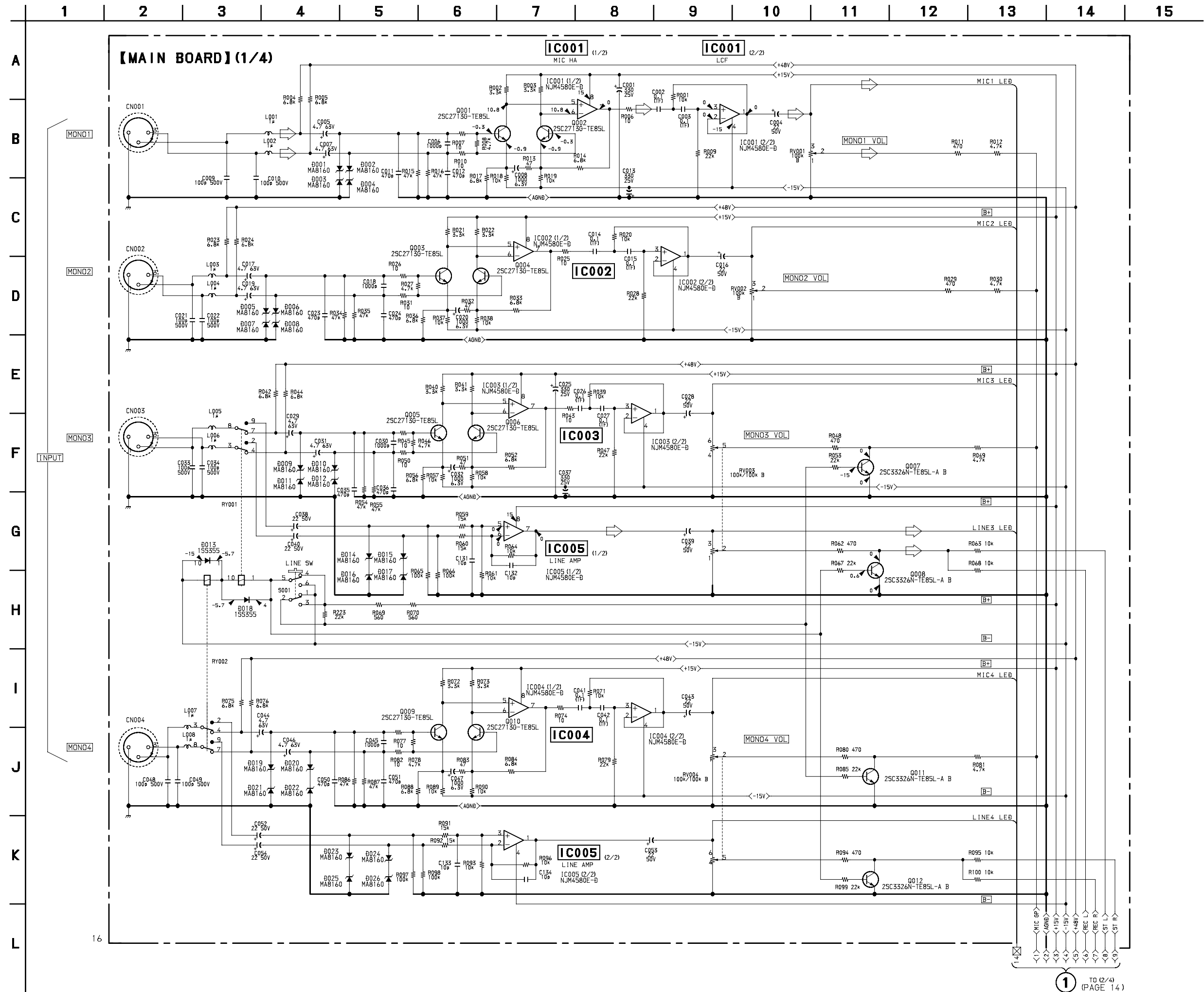


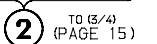
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D001	C-13	D016	C-11	D031	C-7	D302	B-5	D317	D-2	D506	E-4	IC004	D-10	Q005	D-12
D002	C-13	D017	C-11	D032	C-8	D303	B-4	D401	F-13	D507	E-3	IC005	D-11	Q006	D-11
D003	C-13	D018	C-12	D033	C-8	D304	B-4	D402	G-13	D508	E-3	IC006	D-9	Q007	G-12
D004	C-13	D019	C-10	D034	C-8	D305	B-4	D403	F-11	D509	E-4	IC007	D-7	Q008	G-11
D005	C-13	D020	C-9	D035	C-8	D306	B-4	D404	F-11	D510	E-4	IC008	D-8	Q009	D-10
D006	C-12	D021	C-10	D036	C-9	D307	B-2	D405	F-9	D511	E-4	IC009	C-6	Q010	D-9
D007	C-13	D022	C-9	D037	C-7	D308	B-2	D406	F-9	D512	D-4	IC010	C-5	Q011	G-12
D008	C-12	D023	C-10	D038	C-7	D309	B-3	D407	G-7	D513	D-4	IC011	C-5	Q012	G-11
D009	C-12	D024	C-10	D039	C-7	D310	B-3	D408	F-7	D514	D-3	IC012	C-4	Q013	D-9
D010	C-11	D025	C-10	D040	C-7	D311	C-2	D409	F-5	D515	D-3	IC013	C-4	Q014	D-8
D011	C-12	D026	C-10	D041	C-8	D312	B-1	D501	C-4	D516	D-5	IC014	E-3	Q015	G-10
D012	C-11	D027	C-9	D042	C-8	D313	B-1	D502	C-4	IC001	D-13	IC015	E-2	Q016	G-9
D013	C-10	D028	C-8	D043	C-8	D314	B-2	D503	D-4	IC002	D-12	IC016	F-2	Q017	D-7
D014	C-11	D029	C-9	D044	C-8	D315	B-2	D504	D-3	IC003	D-12	IC017	F-2	Q018	D-7
D015	C-11	D030	C-8	D301	B-5	D316	D-1	D505	F-4			IC018	D-2	Q019	G-10
														Q001	C-13
														Q002	D-13
														Q003	C-12
														Q004	D-12
														Q005	D-12
														Q006	D-11
														Q007	G-12
														Q008	G-11
														Q009	D-10
														Q010	D-9
														Q011	G-12
														Q012	G-11
														Q013	D-9
														Q014	D-8
														Q015	G-10
														Q016	G-9
														Q017	D-7
														Q018	D-7
														Q019	G-10
														Q020	G-9
														Q301	B-4
														Q302	B-4
														Q303	B-4
														Q401	F-12
														Q402	F-13
														Q403	F-11
														Q404	F-10
														Q405	F-8
														Q406	F-8
														Q407	G-7
														Q408	F-7
														Q409	F-4
														Q410	G-5
														Q411	G-5

2-4. SCHEMATIC DIAGRAM – MAIN SECTION (1/4) –

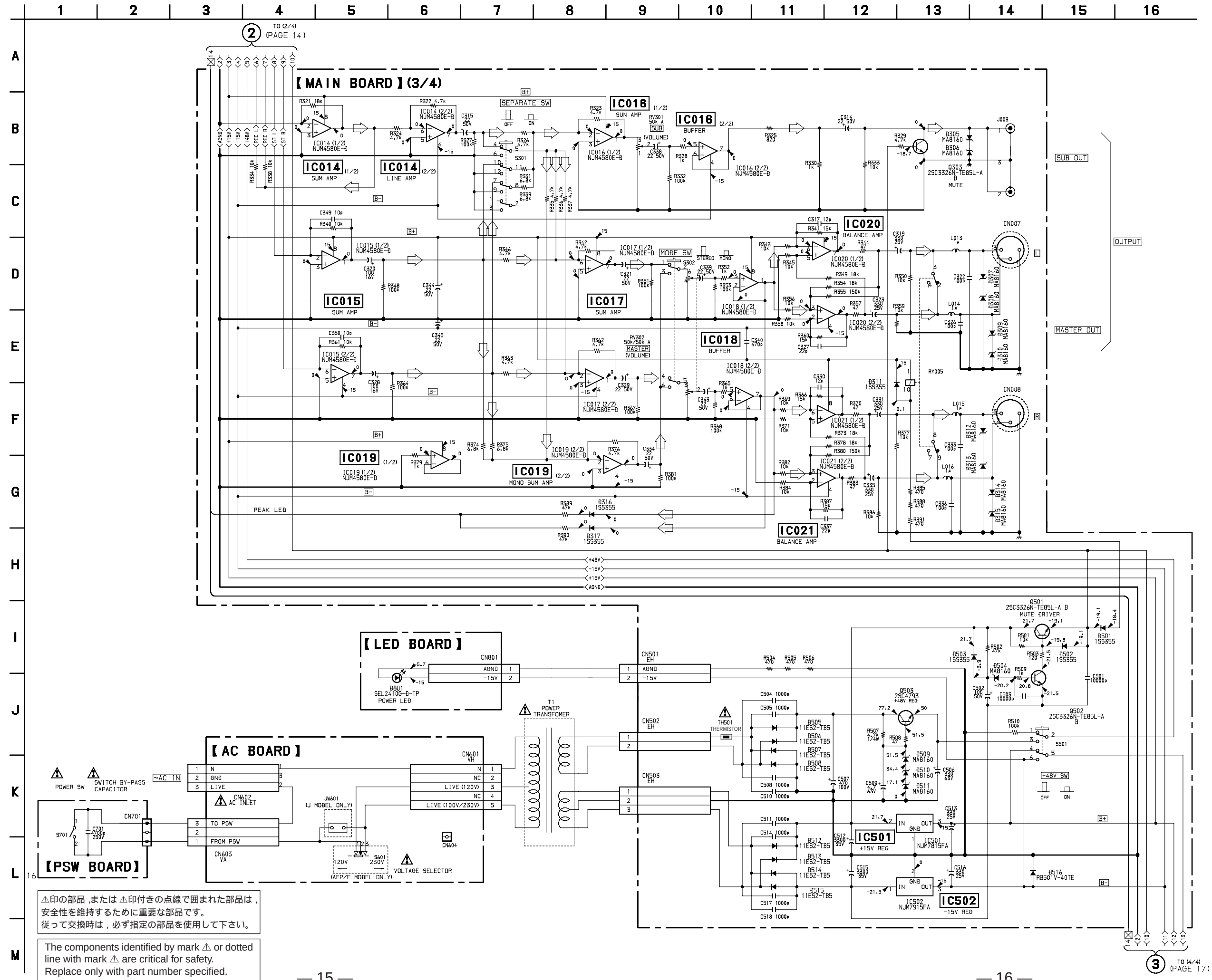
• Refer to page 7 for Note on Schematic Diagrams.

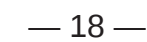




2-6. SCHEMATIC DIAGRAM – MAIN (3/4)/AC/LED/PSW SECTION –

• Refer to page 7 for Note on Schematic Diagrams.

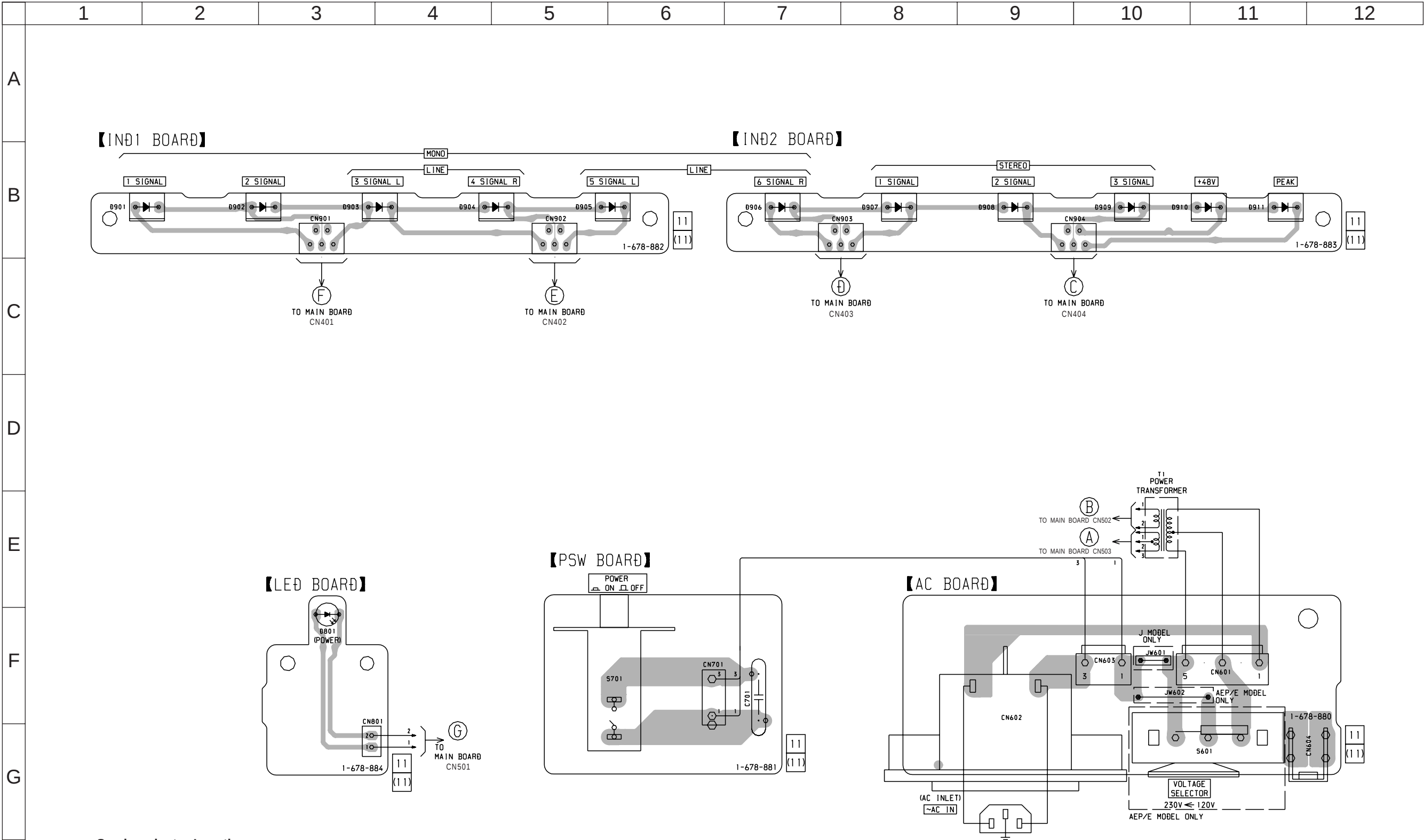




2-8. PRINTED WIRING BOARD – AC/LED/IND1/IND2/PSW SECTION –

- Refer to page 7 for Note on Printed Wiring Boards.
- Refer to page 7 for Circuit Board Location.

There are a few cases that the part printed on this diagram isn't mounted in this model.



• Semiconductor Location

Ref. No.	Location
D801	F-3
D901	B-1
D902	B-2
D903	B-3
D904	B-4
D905	B-5
D906	B-7
D907	B-8
D908	B-9
D909	B-10
D910	B-11
D911	B-11

SECTION 3
EXPLODED VIEW

【使用上の注意】

- -XX, -Xは標準化部品のため、セットについている部品と異なる場合があります。
- *印の部品は常時在庫しておりません。

- 分解図中の機構部品で、図面番号のない部品は供給しません。
- ねじ一覧表と付属梱包部は、部品表の最後にあります。

△印の部品、または△印付の点線で囲まれた部品は、安全性を維持するために、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下さい。

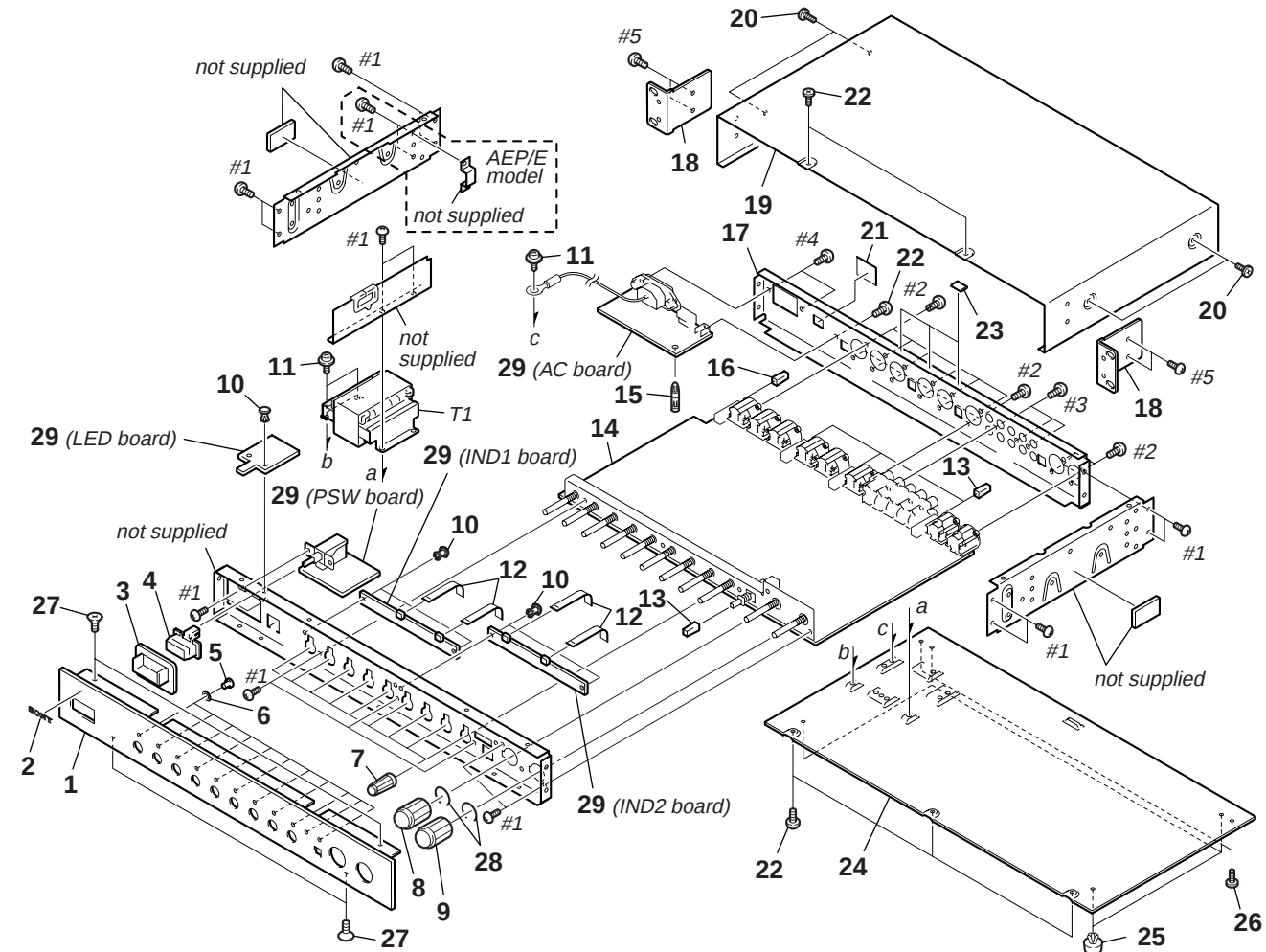
Note:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

3-1. OVERALL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	2-347-266-01	PANEL, FRONT		* 17	2-347-225-01	PANEL, BACK	
2	4-942-568-41	EMBLEM (NO.5), SONY		* 18	2-347-053-11	BRACKET, RACK MOUNT	
* 3	2-346-775-01	ESCUTCHEON		* 19	2-337-856-21	COVER, UPPER	
4	2-335-924-31	BUTTON		20	3-704-366-01	SCREW (CASE) (M3X8)	
* 5	4-931-646-01	LENS, LED		* 21	2-347-307-01	PLATE, BLIND (J)	
				22	7-682-547-09	SCREW (M3X6), S TITE, + BTT	
* 6	2-344-100-01	WASHER		* 23	3-049-532-01	CUSHION (PANEL) (AEP/E)	
7	4-935-181-41	KNOB (SMALL), ROTARY		* 24	2-337-854-15	PLATE, BOTTOM	
8	2-347-267-11	KNOB		25	3-670-155-11	LEG (AEP/E)	
9	2-347-267-01	KNOB		26	2-338-688-01	SCREW, STEP TAPPING	
10	3-531-576-11	RIVET					
				27	7-682-247-09	SCREW (3X6), TIGHT	
* 11	2-347-339-01	SCREW (+PTT WH) M3 S TITE		28	3-354-981-01	SPRING (SUS), RING	
12	1-769-840-11	WIRE (FLAT TYPE) (5 CORE)		* 29	1-718-801-11	MAIN BOARD COMB (Including MAIN,AC,PSW,IND1,IND2,LED BOARDS)	
13	2-380-412-41	KNOB (SMALL), PUSH BUTTON		△ T1	1-435-666-11	TRANSFORMER, POWER (J)	
* 14	A-4591-291-A	MAIN BOARD, COMPLETE		△ T1	1-435-667-11	TRANSFORMER, POWER (AEP/E)	
* 15	3-669-610-00	SPACER					
16	2-380-412-12	KNOB (SMALL), PUSH BUTTON					

AC IND1 IND2
LED MAIN

【電気部品表】

【使用上の注意】

- ここに記載されている部品は、補修用部品であるため、回路図及びセットに付いている部品と異なる場合があります。
- -XX, -Xは標準化部品のため、セットに付いている部品と異なる場合があります。
- *印の部品は常備在庫しておりません。
- コンデンサの単位でuFはμFを示します。
- 抵抗の単位Ωは省略してあります。
METAL：金属被膜抵抗。
METAL OXIDE：酸化金属被膜抵抗。

Note:

When indicating parts by reference number, please include the board name.

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

SECTION 4
ELECTRICAL PARTS LIST

- インダクタの単位でuHはμHを示します。
- 半導体の名称でuA..., uPA..., uPB..., uPC..., uPD...等はそれぞれμA..., μPA..., μPB..., μPC..., μPD...を示します。

お願い
図面番号で部品を指定するときは基板名又はブロックを併せて指定してください。

△印の部品、または△印付の点線で囲まれた部品は、安全性を維持するために、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下さい。

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
*	1-718-801-11	AC BOARD COMBINED (Including MAIN,AC,PSW,IND1,IND2,LED BOARDS) *****		< DIODE >			
< CONNECTOR >				D906	8-719-301-42	DIODE SEL2410E	
* CN601	1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P		D907	8-719-301-42	DIODE SEL2410E	
△ CN602	1-251-234-11	INLET, AC		D908	8-719-301-42	DIODE SEL2410E	
* CN603	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P		D909	8-719-301-42	DIODE SEL2410E	
CN604	1-537-865-11	TERMINAL (M3)		D910	8-719-313-45	DIODE SEL6810A-TH10	
< SWITCH >				D911	8-719-313-43	DIODE SEL6210S-TH10	
△ S601	1-762-753-11	SWITCH, VOLTAGE SELECTION (AEP/E) *****		*****			
*	1-718-801-11	IND1 BOARD COMBINED (Including MAIN,AC,PSW,IND1,IND2,LED BOARDS) *****		*	1-718-801-11	LED BOARD COMBINED (Including MAIN,AC,PSW,IND1,IND2,LED BOARDS) *****	
< CONNECTOR >				D801	8-719-304-85	DIODE SEL2410G-D	
CN901	1-770-679-11	SOCKET, CONNECTOR 5P		*****			
CN902	1-770-679-11	SOCKET, CONNECTOR 5P		*	A-4591-291-A	MAIN BOARD, COMPLETE *****	
< DIODE >				*	1-535-303-00	WIRE, JUMPER	
D901	8-719-301-42	DIODE SEL2410E		*	1-535-303-00	WIRE, JUMPER	
D902	8-719-301-42	DIODE SEL2410E		*	1-718-801-11	MAIN BOARD COMBINED (Including MAIN,AC,PSW,IND1,IND2,LED BOARDS)	
D903	8-719-301-42	DIODE SEL2410E		7-685-872-09	SCREW +BVTT 3X8 (S)		
D904	8-719-301-42	DIODE SEL2410E		< BUS BAR >			
D905	8-719-301-42	DIODE SEL2410E		* BB001	1-560-242-41	BUS BAR 11P	
*****				< CAPACITOR >			
*	1-718-801-11	IND2 BOARD COMBINED (Including MAIN,AC,PSW,IND1,IND2,LED BOARDS) *****		C001	1-126-940-11	ELECT 330uF 20.00% 25V	
< CONNECTOR >				C002	1-136-165-00	MYLAR 0.1uF 5.00% 50V	
CN903	1-770-679-11	SOCKET, CONNECTOR 5P		C003	1-136-165-00	MYLAR 0.1uF 5.00% 50V	
CN904	1-770-679-11	SOCKET, CONNECTOR 5P		C004	1-126-965-11	ELECT 22uF 20.00% 50V	
				C005	1-128-581-11	ELECT 4.7uF 20.00% 63V	
				C006	1-163-275-11	CERAMIC CHIP 0.001uF 5.00% 50V	
				C007	1-128-581-11	ELECT 4.7uF 20.00% 63V	
				C008	1-126-916-11	ELECT 1000uF 20.00% 6.3V	
				C009	1-107-612-11	CERAMIC 100PF 5.00% 500V	
				C010	1-107-612-11	CERAMIC 100PF 5.00% 500V	

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
C011	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C071	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C012	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C072	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C013	1-126-940-11	ELECT	330uF	20.00%	25V	C073	1-126-965-11	ELECT	22uF	20.00%	50V
C014	1-136-165-00	MYLAR	0.1uF	5.00%	50V	C074	1-128-581-11	ELECT	4.7uF	20.00%	63V
C015	1-136-165-00	MYLAR	0.1uF	5.00%	50V	C075	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V
C016	1-126-965-11	ELECT	22uF	20.00%	50V	C076	1-128-581-11	ELECT	4.7uF	20.00%	63V
C017	1-128-581-11	ELECT	4.7uF	20.00%	63V	C077	1-126-916-11	ELECT	1000uF	20.00%	6.3V
C018	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V	C078	1-107-612-11	CERAMIC	100PF	5.00%	500V
C019	1-128-581-11	ELECT	4.7uF	20.00%	63V	C079	1-107-612-11	CERAMIC	100PF	5.00%	500V
C020	1-126-916-11	ELECT	1000uF	20.00%	6.3V	C080	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C021	1-107-612-11	CERAMIC	100PF	5.00%	500V	C081	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C022	1-107-612-11	CERAMIC	100PF	5.00%	500V	C082	1-126-965-11	ELECT	22uF	20.00%	50V
C023	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C083	1-126-965-11	ELECT	22uF	20.00%	50V
C024	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C084	1-126-965-11	ELECT	22uF	20.00%	50V
C025	1-126-940-11	ELECT	330uF	20.00%	25V	C101	1-126-965-11	ELECT	22uF	20.00%	50V
C026	1-136-165-00	MYLAR	0.1uF	5.00%	50V	C102	1-126-933-11	ELECT	100uF	20.00%	16V
C027	1-136-165-00	MYLAR	0.1uF	5.00%	50V	C103	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C028	1-126-965-11	ELECT	22uF	20.00%	50V	C104	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C029	1-128-581-11	ELECT	4.7uF	20.00%	63V	C105	1-126-933-11	ELECT	100uF	20.00%	16V
C030	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V	C106	1-126-965-11	ELECT	22uF	20.00%	50V
C031	1-128-581-11	ELECT	4.7uF	20.00%	63V	C107	1-126-965-11	ELECT	22uF	20.00%	50V
C032	1-126-916-11	ELECT	1000uF	20.00%	6.3V	C108	1-126-933-11	ELECT	100uF	20.00%	16V
C033	1-107-612-11	CERAMIC	100PF	5.00%	500V	C109	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C034	1-107-612-11	CERAMIC	100PF	5.00%	500V	C110	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C035	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C111	1-126-933-11	ELECT	100uF	20.00%	16V
C036	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C112	1-126-965-11	ELECT	22uF	20.00%	50V
C037	1-126-940-11	ELECT	330uF	20.00%	25V	C113	1-126-965-11	ELECT	22uF	20.00%	50V
C038	1-126-965-11	ELECT	22uF	20.00%	50V	C114	1-126-933-11	ELECT	100uF	20.00%	16V
C039	1-126-965-11	ELECT	22uF	20.00%	50V	C115	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C040	1-126-965-11	ELECT	22uF	20.00%	50V	C116	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C041	1-136-165-00	MYLAR	0.1uF	5.00%	50V	C117	1-126-933-11	ELECT	100uF	20.00%	16V
C042	1-136-165-00	MYLAR	0.1uF	5.00%	50V	C118	1-126-965-11	ELECT	22uF	20.00%	50V
C043	1-126-965-11	ELECT	22uF	20.00%	50V	C119	1-164-346-11	CERAMIC CHIP	1uF		16V
C044	1-128-581-11	ELECT	4.7uF	20.00%	63V	C120	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C045	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V	C131	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C046	1-128-581-11	ELECT	4.7uF	20.00%	63V	C132	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C047	1-126-916-11	ELECT	1000uF	20.00%	6.3V	C133	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C048	1-107-612-11	CERAMIC	100PF	5.00%	500V	C134	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C049	1-107-612-11	CERAMIC	100PF	5.00%	500V	C135	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C050	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C136	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C051	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C137	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C052	1-126-965-11	ELECT	22uF	20.00%	50V	C138	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C053	1-126-965-11	ELECT	22uF	20.00%	50V	C302	1-126-965-11	ELECT	22uF	20.00%	50V
C054	1-126-965-11	ELECT	22uF	20.00%	50V	C303	1-126-965-11	ELECT	22uF	20.00%	50V
C055	1-126-940-11	ELECT	330uF	20.00%	25V	C314	1-126-965-11	ELECT	22uF	20.00%	50V
C056	1-136-165-00	MYLAR	0.1uF	5.00%	50V	C315	1-126-965-11	ELECT	22uF	20.00%	50V
C057	1-136-165-00	MYLAR	0.1uF	5.00%	50V	C317	1-163-229-11	CERAMIC CHIP	12PF	5.00%	50V
C058	1-126-965-11	ELECT	22uF	20.00%	50V	C319	1-126-940-11	ELECT	330uF	20.00%	25V
C059	1-128-581-11	ELECT	4.7uF	20.00%	63V	C320	1-126-933-11	ELECT	100uF	20.00%	16V
C060	1-163-275-11	CERAMIC CHIP	0.001uF	5.00%	50V	C321	1-126-965-11	ELECT	22uF	20.00%	50V
C061	1-128-581-11	ELECT	4.7uF	20.00%	63V	C322	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C062	1-126-916-11	ELECT	1000uF	20.00%	6.3V	C323	1-126-940-11	ELECT	330uF	20.00%	25V
C063	1-107-612-11	CERAMIC	100PF	5.00%	500V	C326	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C064	1-107-612-11	CERAMIC	100PF	5.00%	500V	C327	1-163-235-11	CERAMIC CHIP	22PF	5.00%	50V
C065	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C328	1-126-933-11	ELECT	100uF	20.00%	16V
C066	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C329	1-126-965-11	ELECT	22uF	20.00%	50V
C067	1-126-940-11	ELECT	330uF	20.00%	25V	C330	1-163-229-11	CERAMIC CHIP	12PF	5.00%	50V
C068	1-126-965-11	ELECT	22uF	20.00%	50V	C331	1-126-940-11	ELECT	330uF	20.00%	25V
C069	1-126-965-11	ELECT	22uF	20.00%	50V	C333	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C070	1-126-965-11	ELECT	22uF	20.00%	50V	C334	1-126-965-11	ELECT	22uF	20.00%	50V

MAIN

Ref. No.	Part No.	Description	Remarks
C335	1-126-940-11	ELECT 330uF	20.00% 25V
C336	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C337	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V
C338	1-126-965-11	ELECT 22uF	20.00% 50V
C339	1-126-965-11	ELECT 22uF	20.00% 50V
C340	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C343	1-126-965-11	ELECT 22uF	20.00% 50V
C344	1-126-965-11	ELECT 22uF	20.00% 50V
C345	1-126-965-11	ELECT 22uF	20.00% 50V
C349	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V
C350	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 50V
C401	1-164-346-11	CERAMIC CHIP 1uF	16V
C402	1-128-581-11	ELECT 4.7uF	20.00% 63V
C403	1-126-965-11	ELECT 22uF	20.00% 50V
C405	1-164-346-11	CERAMIC CHIP 1uF	16V
C406	1-128-581-11	ELECT 4.7uF	20.00% 63V
C408	1-164-346-11	CERAMIC CHIP 1uF	16V
C409	1-128-581-11	ELECT 4.7uF	20.00% 63V
C411	1-164-346-11	CERAMIC CHIP 1uF	16V
C412	1-128-581-11	ELECT 4.7uF	20.00% 63V
C414	1-164-346-11	CERAMIC CHIP 1uF	16V
C415	1-128-581-11	ELECT 4.7uF	20.00% 63V
C417	1-164-346-11	CERAMIC CHIP 1uF	16V
C418	1-128-581-11	ELECT 4.7uF	20.00% 63V
C420	1-164-346-11	CERAMIC CHIP 1uF	16V
C421	1-128-581-11	ELECT 4.7uF	20.00% 63V
C422	1-126-965-11	ELECT 22uF	20.00% 50V
C424	1-164-346-11	CERAMIC CHIP 1uF	16V
C425	1-128-581-11	ELECT 4.7uF	20.00% 63V
C427	1-164-346-11	CERAMIC CHIP 1uF	16V
C428	1-128-581-11	ELECT 4.7uF	20.00% 63V
C430	1-126-940-11	ELECT 330uF	20.00% 25V
C431	1-126-940-11	ELECT 330uF	20.00% 25V
C432	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C433	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C501	1-163-021-91	CERAMIC CHIP 0.01uF	10.00% 50V
C502	1-126-968-11	ELECT 100uF	20.00% 50V
C503	1-163-021-91	CERAMIC CHIP 0.01uF	10.00% 50V
C504	1-163-275-11	CERAMIC CHIP 0.001uF	5.00% 50V
C505	1-163-275-11	CERAMIC CHIP 0.001uF	5.00% 50V
C506	1-107-923-11	ELECT 330uF	20.00% 63V
C507	1-128-566-11	ELECT 470uF	20.00% 100V
C508	1-163-275-11	CERAMIC CHIP 0.001uF	5.00% 50V
C509	1-128-581-11	ELECT 4.7uF	20.00% 63V
C510	1-163-275-11	CERAMIC CHIP 0.001uF	5.00% 50V
C511	1-163-275-11	CERAMIC CHIP 0.001uF	5.00% 50V
C512	1-128-549-11	ELECT 3300uF	20.00% 35V
C513	1-126-940-11	ELECT 330uF	20.00% 25V
C514	1-163-275-11	CERAMIC CHIP 0.001uF	5.00% 50V
C515	1-128-549-11	ELECT 3300uF	20.00% 35V
C516	1-126-940-11	ELECT 330uF	20.00% 25V
C517	1-163-275-11	CERAMIC CHIP 0.001uF	5.00% 50V
C518	1-163-275-11	CERAMIC CHIP 0.001uF	5.00% 50V
C519	1-128-581-11	ELECT 4.7uF	20.00% 63V
< CONNECTOR >			
CN001	1-794-099-11	CONNECTOR, ROUND TYPE	
CN002	1-794-099-11	CONNECTOR, ROUND TYPE	
CN003	1-794-099-11	CONNECTOR, ROUND TYPE	
CN004	1-794-099-11	CONNECTOR, ROUND TYPE	
CN005	1-794-099-11	CONNECTOR, ROUND TYPE	

Ref. No.	Part No.	Description	Remarks
CN006	1-794-099-11	CONNECTOR, ROUND TYPE	
CN007	1-794-097-11	CONNECTOR, ROUND TYPE	
CN008	1-794-097-11	CONNECTOR, ROUND TYPE	
* CN401	1-568-824-11	SOCKET, CONNECTOR 5P	
* CN402	1-568-824-11	SOCKET, CONNECTOR 5P	
* CN403	1-568-824-11	SOCKET, CONNECTOR 5P	
* CN404	1-568-824-11	SOCKET, CONNECTOR 5P	
* CN501	1-564-505-11	PLUG, CONNECTOR 2P	
* CN502	1-564-505-11	PLUG, CONNECTOR 2P	
* CN503	1-564-506-11	PLUG, CONNECTOR 3P	
< DIODE >			
D001	8-719-017-91	DIODE MA8160	
D002	8-719-017-91	DIODE MA8160	
D003	8-719-017-91	DIODE MA8160	
D004	8-719-017-91	DIODE MA8160	
D005	8-719-017-91	DIODE MA8160	
D006	8-719-017-91	DIODE MA8160	
D007	8-719-017-91	DIODE MA8160	
D008	8-719-017-91	DIODE MA8160	
D009	8-719-017-91	DIODE MA8160	
D010	8-719-017-91	DIODE MA8160	
D011	8-719-017-91	DIODE MA8160	
D012	8-719-017-91	DIODE MA8160	
D013	8-719-988-61	DIODE 1SS355TE-17	
D014	8-719-017-91	DIODE MA8160	
D015	8-719-017-91	DIODE MA8160	
D016	8-719-017-91	DIODE MA8160	
D017	8-719-017-91	DIODE MA8160	
D018	8-719-988-61	DIODE 1SS355TE-17	
D019	8-719-017-91	DIODE MA8160	
D020	8-719-017-91	DIODE MA8160	
D021	8-719-017-91	DIODE MA8160	
D022	8-719-017-91	DIODE MA8160	
D023	8-719-017-91	DIODE MA8160	
D024	8-719-017-91	DIODE MA8160	
D025	8-719-017-91	DIODE MA8160	
D026	8-719-017-91	DIODE MA8160	
D027	8-719-017-91	DIODE MA8160	
D028	8-719-017-91	DIODE MA8160	
D029	8-719-017-91	DIODE MA8160	
D030	8-719-017-91	DIODE MA8160	
D031	8-719-988-61	DIODE 1SS355TE-17	
D032	8-719-017-91	DIODE MA8160	
D033	8-719-017-91	DIODE MA8160	
D034	8-719-017-91	DIODE MA8160	
D035	8-719-017-91	DIODE MA8160	
D036	8-719-988-61	DIODE 1SS355TE-17	
D037	8-719-017-91	DIODE MA8160	
D038	8-719-017-91	DIODE MA8160	
D039	8-719-017-91	DIODE MA8160	
D040	8-719-017-91	DIODE MA8160	
D041	8-719-017-91	DIODE MA8160	
D042	8-719-017-91	DIODE MA8160	
D043	8-719-017-91	DIODE MA8160	
D044	8-719-017-91	DIODE MA8160	
D301	8-719-017-91	DIODE MA8160	

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
D302	8-719-017-91	DIODE MA8160		IC016	8-759-711-85	IC NJM4580E-D	
D303	8-719-017-91	DIODE MA8160		IC017	8-759-711-85	IC NJM4580E-D	
D304	8-719-017-91	DIODE MA8160		IC018	8-759-711-85	IC NJM4580E-D	
D305	8-719-017-91	DIODE MA8160		IC019	8-759-711-85	IC NJM4580E-D	
D306	8-719-017-91	DIODE MA8160		IC020	8-759-711-85	IC NJM4580E-D	
D307	8-719-017-91	DIODE MA8160		IC021	8-759-711-85	IC NJM4580E-D	
D308	8-719-017-91	DIODE MA8160		IC022	8-759-711-85	IC NJM4580E-D	
D309	8-719-017-91	DIODE MA8160		IC023	8-759-711-85	IC NJM4580E-D	
D310	8-719-017-91	DIODE MA8160		IC024	8-759-711-85	IC NJM4580E-D	
D311	8-719-988-61	DIODE 1SS355TE-17		IC025	8-759-711-85	IC NJM4580E-D	
D312	8-719-017-91	DIODE MA8160		IC026	8-759-711-85	IC NJM4580E-D	
D313	8-719-017-91	DIODE MA8160		IC501	8-759-982-15	IC NJM7815FA	
D314	8-719-017-91	DIODE MA8160		IC502	8-759-701-89	IC NJM7915FA	
D315	8-719-017-91	DIODE MA8160				< JACK >	
D316	8-719-988-61	DIODE 1SS355TE-17		J001	1-784-429-11	JACK, PIN 4P(STEREO IN)	
D317	8-719-988-61	DIODE 1SS355TE-17		J002	1-573-028-31	JACK, PIN 4P(STEREO IN/REC OUT)	
D401	8-719-988-61	DIODE 1SS355TE-17		J003	1-774-819-11	JACK, PIN 2P(SUB OUT)	
D402	8-719-988-61	DIODE 1SS355TE-17				< JUMPER CHIP >	
D403	8-719-988-61	DIODE 1SS355TE-17		JC001	1-216-296-91	SHORT	0
D404	8-719-988-61	DIODE 1SS355TE-17		JC002	1-216-295-11	SHORT	0
D405	8-719-988-61	DIODE 1SS355TE-17		JC003	1-216-296-91	SHORT	0
D406	8-719-988-61	DIODE 1SS355TE-17		JC004	1-216-296-91	SHORT	0
D407	8-719-988-61	DIODE 1SS355TE-17		JC005	1-216-295-11	SHORT	0
D408	8-719-988-61	DIODE 1SS355TE-17		JC006	1-216-296-91	SHORT	0
D409	8-719-988-61	DIODE 1SS355TE-17		JC007	1-216-296-91	SHORT	0
D501	8-719-988-61	DIODE 1SS355TE-17		JC008	1-216-295-11	SHORT	0
D502	8-719-988-61	DIODE 1SS355TE-17		JC009	1-216-295-11	SHORT	0
D503	8-719-988-61	DIODE 1SS355TE-17		JC010	1-216-295-11	SHORT	0
D504	8-719-017-91	DIODE MA8160		JC011	1-216-295-11	SHORT	0
D505	8-719-200-82	DIODE 11ES2		JC012	1-216-296-91	SHORT	0
D506	8-719-200-82	DIODE 11ES2		JC013	1-216-296-91	SHORT	0
D507	8-719-200-82	DIODE 11ES2		JC014	1-216-295-11	SHORT	0
D508	8-719-200-82	DIODE 11ES2		JC015	1-216-295-11	SHORT	0
D509	8-719-017-91	DIODE MA8160		JC016	1-216-295-11	SHORT	0
D510	8-719-017-91	DIODE MA8160		JC017	1-216-295-11	SHORT	0
D511	8-719-017-91	DIODE MA8160		JC018	1-216-295-11	SHORT	0
D512	8-719-200-82	DIODE 11ES2		JC019	1-216-295-11	SHORT	0
D513	8-719-200-82	DIODE 11ES2		JC020	1-216-295-11	SHORT	0
D514	8-719-200-82	DIODE 11ES2		JC021	1-216-295-11	SHORT	0
D515	8-719-200-82	DIODE 11ES2		JC022	1-216-296-91	SHORT	0
D516	8-719-058-24	DIODE RB501V-40TE-17		JC023	1-216-296-91	SHORT	0
		< IC >		JC024	1-216-295-11	SHORT	0
IC001	8-759-711-85	IC NJM4580E-D		JC025	1-216-295-11	SHORT	0
IC002	8-759-711-85	IC NJM4580E-D		JC026	1-216-295-11	SHORT	0
IC003	8-759-711-85	IC NJM4580E-D		JC027	1-216-295-11	SHORT	0
IC004	8-759-711-85	IC NJM4580E-D		JC028	1-216-296-91	SHORT	0
IC005	8-759-711-85	IC NJM4580E-D		JC029	1-216-295-11	SHORT	0
IC006	8-759-711-85	IC NJM4580E-D		JC030	1-216-296-91	SHORT	0
IC007	8-759-711-85	IC NJM4580E-D		JC031	1-216-295-11	SHORT	0
IC008	8-759-711-85	IC NJM4580E-D		JC032	1-216-296-91	SHORT	0
IC009	8-759-711-85	IC NJM4580E-D		JC033	1-216-295-11	SHORT	0
IC010	8-759-711-85	IC NJM4580E-D		JC034	1-216-295-11	SHORT	0
IC011	8-759-711-85	IC NJM4580E-D		JC035	1-216-295-11	SHORT	0
IC012	8-759-711-85	IC NJM4580E-D		JC036	1-216-296-91	SHORT	0
IC013	8-759-711-85	IC NJM4580E-D		JC037	1-216-295-11	SHORT	0
IC014	8-759-711-85	IC NJM4580E-D		JC038	1-216-295-11	SHORT	0
IC015	8-759-711-85	IC NJM4580E-D		JC039	1-216-296-91	SHORT	0
				JC040	1-216-296-91	SHORT	0
				JC041	1-216-296-91	SHORT	0

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
JC042	1-216-296-91	SHORT	0	Q016	8-729-202-38	TRANSISTOR	2SC3326N
JC043	1-216-296-91	SHORT	0	Q017	8-729-271-31	TRANSISTOR	2SC2713-G
JC044	1-216-296-91	SHORT	0	Q018	8-729-271-31	TRANSISTOR	2SC2713-G
JC045	1-216-295-11	SHORT	0	Q019	8-729-202-38	TRANSISTOR	2SC3326N
JC046	1-216-295-11	SHORT	0	Q020	8-729-202-38	TRANSISTOR	2SC3326N
JC047	1-216-295-11	SHORT	0	Q301	8-729-202-38	TRANSISTOR	2SC3326N
JC048	1-216-296-91	SHORT	0	Q302	8-729-202-38	TRANSISTOR	2SC3326N
JC049	1-216-295-11	SHORT	0	Q303	8-729-202-38	TRANSISTOR	2SC3326N
JC050	1-216-295-11	SHORT	0	Q401	8-729-202-38	TRANSISTOR	2SC3326N
JC051	1-216-295-11	SHORT	0	Q402	8-729-202-38	TRANSISTOR	2SC3326N
JC052	1-216-295-11	SHORT	0	Q403	8-729-202-38	TRANSISTOR	2SC3326N
JC053	1-216-295-11	SHORT	0	Q404	8-729-202-38	TRANSISTOR	2SC3326N
JC054	1-216-295-11	SHORT	0	Q405	8-729-202-38	TRANSISTOR	2SC3326N
JC055	1-216-295-11	SHORT	0	Q406	8-729-202-38	TRANSISTOR	2SC3326N
JC057	1-216-295-11	SHORT	0	Q407	8-729-202-38	TRANSISTOR	2SC3326N
JC058	1-216-295-11	SHORT	0	Q408	8-729-202-38	TRANSISTOR	2SC3326N
JC059	1-216-296-91	SHORT	0	Q409	8-729-202-38	TRANSISTOR	2SC3326N
JC060	1-216-295-11	SHORT	0	Q410	8-729-202-38	TRANSISTOR	2SC3326N
JC061	1-216-295-11	SHORT	0	Q411	8-729-202-38	TRANSISTOR	2SC3326N
JC062	1-216-296-91	SHORT	0	Q412	8-729-202-38	TRANSISTOR	2SC3326N
JC065	1-216-295-11	SHORT	0	Q413	8-729-202-38	TRANSISTOR	2SC3326N
< COIL >				Q501	8-729-202-38	TRANSISTOR	2SC3326N
L001	1-410-993-22	INDUCTOR CHIP	1uH	Q502	8-729-202-38	TRANSISTOR	2SC3326N
L002	1-410-993-22	INDUCTOR CHIP	1uH	Q503	8-729-017-06	TRANSISTOR	2SC4793
L003	1-410-993-22	INDUCTOR CHIP	1uH	< RESISTOR >			
L004	1-410-993-22	INDUCTOR CHIP	1uH	R001	1-208-462-41	RES-CHIP	10K 2% 1/10W
L005	1-410-993-22	INDUCTOR CHIP	1uH	R002	1-208-449-41	RES-CHIP	3.3K 2% 1/10W
L006	1-410-993-22	INDUCTOR CHIP	1uH	R003	1-208-449-41	RES-CHIP	3.3K 2% 1/10W
L007	1-410-993-22	INDUCTOR CHIP	1uH	R004	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W
L008	1-410-993-22	INDUCTOR CHIP	1uH	R005	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W
L009	1-410-993-22	INDUCTOR CHIP	1uH	R006	1-216-603-11	METAL CHIP	10 0.5% 1/10W
L010	1-410-993-22	INDUCTOR CHIP	1uH	R007	1-216-603-11	METAL CHIP	10 0.5% 1/10W
L011	1-410-993-22	INDUCTOR CHIP	1uH	R008	1-208-453-41	RES-CHIP	4.7K 2% 1/10W
L012	1-410-993-22	INDUCTOR CHIP	1uH	R009	1-208-518-41	RES-CHIP	22K 2% 1/10W
L013	1-410-993-22	INDUCTOR CHIP	1uH	R010	1-216-603-11	METAL CHIP	10 0.5% 1/10W
L014	1-410-993-22	INDUCTOR CHIP	1uH	R011	1-208-774-11	RES-CHIP	470 2% 1/10W
L015	1-410-993-22	INDUCTOR CHIP	1uH	R012	1-208-453-41	RES-CHIP	4.7K 2% 1/10W
L016	1-410-993-22	INDUCTOR CHIP	1uH	R013	1-216-619-11	METAL CHIP	47 0.5% 1/10W
< LEAD PIN >				R014	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W
LP001	4-352-844-01	PIN, LEAD, COATING		R015	1-208-526-41	RES-CHIP	47K 2% 1/10W
LP002	4-352-844-01	PIN, LEAD, COATING		R016	1-208-526-41	RES-CHIP	47K 2% 1/10W
LP003	4-352-844-01	PIN, LEAD, COATING		R017	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W
< TRANSISTOR >				R018	1-208-462-41	RES-CHIP	10K 2% 1/10W
Q001	8-729-271-31	TRANSISTOR	2SC2713-G	R019	1-208-462-41	RES-CHIP	10K 2% 1/10W
Q002	8-729-271-31	TRANSISTOR	2SC2713-G	R020	1-208-462-41	RES-CHIP	10K 2% 1/10W
Q003	8-729-271-31	TRANSISTOR	2SC2713-G	R021	1-208-449-41	RES-CHIP	3.3K 2% 1/10W
Q004	8-729-271-31	TRANSISTOR	2SC2713-G	R022	1-208-449-41	RES-CHIP	3.3K 2% 1/10W
Q005	8-729-271-31	TRANSISTOR	2SC2713-G	R023	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W
Q006	8-729-271-31	TRANSISTOR	2SC2713-G	R024	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W
Q007	8-729-202-38	TRANSISTOR	2SC3326N	R025	1-216-603-11	METAL CHIP	10 0.5% 1/10W
Q008	8-729-202-38	TRANSISTOR	2SC3326N	R026	1-216-603-11	METAL CHIP	10 0.5% 1/10W
Q009	8-729-271-31	TRANSISTOR	2SC2713-G	R027	1-208-453-41	RES-CHIP	4.7K 2% 1/10W
Q010	8-729-271-31	TRANSISTOR	2SC2713-G	R028	1-208-518-41	RES-CHIP	22K 2% 1/10W
Q011	8-729-202-38	TRANSISTOR	2SC3326N	R029	1-208-774-11	RES-CHIP	470 2% 1/10W
Q012	8-729-202-38	TRANSISTOR	2SC3326N	R030	1-208-453-41	RES-CHIP	4.7K 2% 1/10W
Q013	8-729-271-31	TRANSISTOR	2SC2713-G	R031	1-216-603-11	METAL CHIP	10 0.5% 1/10W
Q014	8-729-271-31	TRANSISTOR	2SC2713-G	R032	1-216-619-11	METAL CHIP	47 0.5% 1/10W
Q015	8-729-202-38	TRANSISTOR	2SC3326N	R033	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W
				R034	1-208-526-41	RES-CHIP	47K 2% 1/10W
				R035	1-208-526-41	RES-CHIP	47K 2% 1/10W

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R036	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R096	1-208-462-41	RES-CHIP	10K	2%	1/10W
R037	1-208-462-41	RES-CHIP	10K	2%	1/10W	R097	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R038	1-208-462-41	RES-CHIP	10K	2%	1/10W	R098	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R039	1-208-462-41	RES-CHIP	10K	2%	1/10W	R099	1-208-518-41	RES-CHIP	22K	2%	1/10W
R040	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R100	1-208-462-41	RES-CHIP	10K	2%	1/10W
R041	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R101	1-208-462-41	RES-CHIP	10K	2%	1/10W
R042	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R102	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R043	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R103	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R044	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R104	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R045	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R105	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R046	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R106	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R047	1-208-518-41	RES-CHIP	22K	2%	1/10W	R107	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R048	1-208-774-11	RES-CHIP	470	2%	1/10W	R108	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R049	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R109	1-208-518-41	RES-CHIP	22K	2%	1/10W
R050	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R110	1-208-774-11	RES-CHIP	470	2%	1/10W
R051	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R111	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R052	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R112	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R053	1-208-518-41	RES-CHIP	22K	2%	1/10W	R113	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R054	1-208-526-41	RES-CHIP	47K	2%	1/10W	R114	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R055	1-208-526-41	RES-CHIP	47K	2%	1/10W	R115	1-208-518-41	RES-CHIP	22K	2%	1/10W
R056	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R116	1-208-526-41	RES-CHIP	47K	2%	1/10W
R057	1-208-462-41	RES-CHIP	10K	2%	1/10W	R117	1-208-526-41	RES-CHIP	47K	2%	1/10W
R058	1-208-462-41	RES-CHIP	10K	2%	1/10W	R118	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R059	1-208-810-11	RES-CHIP	15K	2%	1/10W	R119	1-208-462-41	RES-CHIP	10K	2%	1/10W
R060	1-208-810-11	RES-CHIP	15K	2%	1/10W	R120	1-208-462-41	RES-CHIP	10K	2%	1/10W
R061	1-208-462-41	RES-CHIP	10K	2%	1/10W	R121	1-208-810-11	RES-CHIP	15K	2%	1/10W
R062	1-208-774-11	RES-CHIP	470	2%	1/10W	R122	1-208-810-11	RES-CHIP	15K	2%	1/10W
R063	1-208-462-41	RES-CHIP	10K	2%	1/10W	R123	1-208-462-41	RES-CHIP	10K	2%	1/10W
R064	1-208-462-41	RES-CHIP	10K	2%	1/10W	R124	1-208-774-11	RES-CHIP	470	2%	1/10W
R065	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R125	1-208-462-41	RES-CHIP	10K	2%	1/10W
R066	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R126	1-208-462-41	RES-CHIP	10K	2%	1/10W
R067	1-208-518-41	RES-CHIP	22K	2%	1/10W	R127	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R068	1-208-462-41	RES-CHIP	10K	2%	1/10W	R128	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R069	1-208-776-11	RES-CHIP	560	2%	1/10W	R129	1-208-518-41	RES-CHIP	22K	2%	1/10W
R070	1-208-776-11	RES-CHIP	560	2%	1/10W	R130	1-208-462-41	RES-CHIP	10K	2%	1/10W
R071	1-208-462-41	RES-CHIP	10K	2%	1/10W	R131	1-208-776-11	RES-CHIP	560	2%	1/10W
R072	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R132	1-208-776-11	RES-CHIP	560	2%	1/10W
R073	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R133	1-208-462-41	RES-CHIP	10K	2%	1/10W
R074	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R134	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R075	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R135	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R076	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R136	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R077	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R137	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R078	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R138	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R079	1-208-518-41	RES-CHIP	22K	2%	1/10W	R139	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R080	1-208-774-11	RES-CHIP	470	2%	1/10W	R140	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R081	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R141	1-208-518-41	RES-CHIP	22K	2%	1/10W
R082	1-216-603-11	METAL CHIP	10	0.5%	1/10W	R142	1-208-774-11	RES-CHIP	470	2%	1/10W
R083	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R143	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R084	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R144	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R085	1-208-518-41	RES-CHIP	22K	2%	1/10W	R145	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R086	1-208-526-41	RES-CHIP	47K	2%	1/10W	R146	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R087	1-208-526-41	RES-CHIP	47K	2%	1/10W	R147	1-208-518-41	RES-CHIP	22K	2%	1/10W
R088	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R148	1-208-526-41	RES-CHIP	47K	2%	1/10W
R089	1-208-462-41	RES-CHIP	10K	2%	1/10W	R149	1-208-526-41	RES-CHIP	47K	2%	1/10W
R090	1-208-462-41	RES-CHIP	10K	2%	1/10W	R150	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R091	1-208-810-11	RES-CHIP	15K	2%	1/10W	R151	1-208-462-41	RES-CHIP	10K	2%	1/10W
R092	1-208-810-11	RES-CHIP	15K	2%	1/10W	R152	1-208-462-41	RES-CHIP	10K	2%	1/10W
R093	1-208-462-41	RES-CHIP	10K	2%	1/10W	R153	1-208-810-11	RES-CHIP	15K	2%	1/10W
R094	1-208-774-11	RES-CHIP	470	2%	1/10W	R154	1-208-810-11	RES-CHIP	15K	2%	1/10W
R095	1-208-462-41	RES-CHIP	10K	2%	1/10W	R155	1-208-462-41	RES-CHIP	10K	2%	1/10W

MAIN

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R156	1-208-774-11	RES-CHIP	470	2%	1/10W	R310	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R157	1-208-462-41	RES-CHIP	10K	2%	1/10W	R311	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R158	1-208-462-41	RES-CHIP	10K	2%	1/10W	R312	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R159	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R321	1-208-812-11	RES-CHIP	18K	2%	1/10W
R160	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R322	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R161	1-208-518-41	RES-CHIP	22K	2%	1/10W	R323	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R162	1-208-462-41	RES-CHIP	10K	2%	1/10W	R324	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R181	1-208-437-41	RES-CHIP	1K	2%	1/10W	R325	1-208-435-41	RES-CHIP	820	2%	1/10W
R182	1-208-462-41	RES-CHIP	10K	2%	1/10W	R326	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R183	1-208-774-11	RES-CHIP	470	2%	1/10W	R327	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R184	1-208-462-41	RES-CHIP	10K	2%	1/10W	R328	1-208-437-41	RES-CHIP	1K	2%	1/10W
R185	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R329	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R186	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R330	1-208-437-41	RES-CHIP	1K	2%	1/10W
R187	1-208-526-41	RES-CHIP	47K	2%	1/10W	R331	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R188	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R332	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R189	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R333	1-208-462-41	RES-CHIP	10K	2%	1/10W
R190	1-208-774-11	RES-CHIP	470	2%	1/10W	R334	1-208-462-41	RES-CHIP	10K	2%	1/10W
R191	1-208-462-41	RES-CHIP	10K	2%	1/10W	R335	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R192	1-208-526-41	RES-CHIP	47K	2%	1/10W	R336	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R193	1-208-437-41	RES-CHIP	1K	2%	1/10W	R337	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R194	1-208-462-41	RES-CHIP	10K	2%	1/10W	R338	1-208-462-41	RES-CHIP	10K	2%	1/10W
R195	1-208-462-41	RES-CHIP	10K	2%	1/10W	R339	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R196	1-208-437-41	RES-CHIP	1K	2%	1/10W	R340	1-208-462-41	RES-CHIP	10K	2%	1/10W
R197	1-208-774-11	RES-CHIP	470	2%	1/10W	R341	1-208-810-11	RES-CHIP	15K	2%	1/10W
R198	1-208-462-41	RES-CHIP	10K	2%	1/10W	R342	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R199	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R343	1-208-462-41	RES-CHIP	10K	2%	1/10W
R200	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R344	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R201	1-208-526-41	RES-CHIP	47K	2%	1/10W	R345	1-208-462-41	RES-CHIP	10K	2%	1/10W
R202	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R346	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R203	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R348	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R204	1-208-774-11	RES-CHIP	470	2%	1/10W	R349	1-208-812-11	RES-CHIP	18K	2%	1/10W
R205	1-208-462-41	RES-CHIP	10K	2%	1/10W	R350	1-208-462-41	RES-CHIP	10K	2%	1/10W
R206	1-208-526-41	RES-CHIP	47K	2%	1/10W	R351	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R207	1-208-437-41	RES-CHIP	1K	2%	1/10W	R352	1-208-437-41	RES-CHIP	1K	2%	1/10W
R208	1-208-462-41	RES-CHIP	10K	2%	1/10W	R353	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R209	1-208-437-41	RES-CHIP	1K	2%	1/10W	R354	1-208-812-11	RES-CHIP	18K	2%	1/10W
R210	1-208-774-11	RES-CHIP	470	2%	1/10W	R355	1-218-756-11	RES-CHIP	150K	2%	1/10W
R211	1-208-462-41	RES-CHIP	10K	2%	1/10W	R356	1-208-462-41	RES-CHIP	10K	2%	1/10W
R212	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R357	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R213	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R358	1-208-462-41	RES-CHIP	10K	2%	1/10W
R214	1-208-462-41	RES-CHIP	10K	2%	1/10W	R359	1-208-462-41	RES-CHIP	10K	2%	1/10W
R215	1-208-526-41	RES-CHIP	47K	2%	1/10W	R360	1-208-810-11	RES-CHIP	15K	2%	1/10W
R216	1-208-462-41	RES-CHIP	10K	2%	1/10W	R361	1-208-462-41	RES-CHIP	10K	2%	1/10W
R217	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R362	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R218	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W	R363	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R219	1-208-774-11	RES-CHIP	470	2%	1/10W	R364	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R220	1-208-462-41	RES-CHIP	10K	2%	1/10W	R365	1-208-437-41	RES-CHIP	1K	2%	1/10W
R221	1-208-526-41	RES-CHIP	47K	2%	1/10W	R366	1-208-810-11	RES-CHIP	15K	2%	1/10W
R222	1-208-437-41	RES-CHIP	1K	2%	1/10W	R367	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R223	1-208-518-41	RES-CHIP	22K	2%	1/10W	R368	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R224	1-208-518-41	RES-CHIP	22K	2%	1/10W	R369	1-208-462-41	RES-CHIP	10K	2%	1/10W
R301	1-208-449-41	RES-CHIP	3.3K	2%	1/10W	R370	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R302	1-208-774-11	RES-CHIP	470	2%	1/10W	R371	1-208-462-41	RES-CHIP	10K	2%	1/10W
R303	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R373	1-208-812-11	RES-CHIP	18K	2%	1/10W
R304	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R374	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R305	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R375	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R306	1-208-526-41	RES-CHIP	47K	2%	1/10W	R376	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R307	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R377	1-208-462-41	RES-CHIP	10K	2%	1/10W
R308	1-208-526-41	RES-CHIP	47K	2%	1/10W	R378	1-208-812-11	RES-CHIP	18K	2%	1/10W
R309	1-208-774-11	RES-CHIP	470	2%	1/10W	R379	1-208-437-41	RES-CHIP	1K	2%	1/10W

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R380	1-218-756-11	RES-CHIP	150K	2%	1/10W	R457	1-208-462-41	RES-CHIP	10K	2%	1/10W
R381	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R458	1-208-462-41	RES-CHIP	10K	2%	1/10W
R382	1-208-462-41	RES-CHIP	10K	2%	1/10W	R459	1-249-426-11	CARBON	5.6K	5%	1/4W
R383	1-216-619-11	METAL CHIP	47	0.5%	1/10W	R461	1-208-518-41	RES-CHIP	22K	2%	1/10W
R384	1-208-462-41	RES-CHIP	10K	2%	1/10W	R462	1-208-518-41	RES-CHIP	22K	2%	1/10W
R385	1-208-774-11	RES-CHIP	470	2%	1/10W	R463	1-208-437-41	RES-CHIP	1K	2%	1/10W
R386	1-208-462-41	RES-CHIP	10K	2%	1/10W	R464	1-208-462-41	RES-CHIP	10K	2%	1/10W
R387	1-208-810-11	RES-CHIP	15K	2%	1/10W	R465	1-208-462-41	RES-CHIP	10K	2%	1/10W
R388	1-208-774-11	RES-CHIP	470	2%	1/10W	R466	1-208-462-41	RES-CHIP	10K	2%	1/10W
R389	1-208-526-41	RES-CHIP	47K	2%	1/10W	R467	1-208-526-41	RES-CHIP	47K	2%	1/10W
R390	1-208-526-41	RES-CHIP	47K	2%	1/10W	R468	1-208-462-41	RES-CHIP	10K	2%	1/10W
R391	1-208-774-11	RES-CHIP	470	2%	1/10W	R469	1-208-526-41	RES-CHIP	47K	2%	1/10W
R401	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	R470	1-208-518-41	RES-CHIP	22K	2%	1/10W
R402	1-249-426-11	CARBON	5.6K	5%	1/4W	R471	1-208-526-41	RES-CHIP	47K	2%	1/10W
R404	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R473	1-208-518-41	RES-CHIP	22K	2%	1/10W
R405	1-208-437-41	RES-CHIP	1K	2%	1/10W	R474	1-208-462-41	RES-CHIP	10K	2%	1/10W
R406	1-208-462-41	RES-CHIP	10K	2%	1/10W	R475	1-208-774-11	RES-CHIP	470	2%	1/10W
R407	1-208-462-41	RES-CHIP	10K	2%	1/10W	R478	1-208-774-11	RES-CHIP	470	2%	1/10W
R408	1-208-760-11	RES-CHIP	120	2%	1/10W	R479	1-208-774-11	RES-CHIP	470	2%	1/10W
R409	1-249-426-11	CARBON	5.6K	5%	1/4W	R480	1-208-774-11	RES-CHIP	470	2%	1/10W
R411	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	R481	1-208-774-11	RES-CHIP	470	2%	1/10W
R412	1-208-437-41	RES-CHIP	1K	2%	1/10W	R482	1-208-774-11	RES-CHIP	470	2%	1/10W
R413	1-208-462-41	RES-CHIP	10K	2%	1/10W	R483	1-208-774-11	RES-CHIP	470	2%	1/10W
R414	1-208-462-41	RES-CHIP	10K	2%	1/10W	R484	1-208-774-11	RES-CHIP	470	2%	1/10W
R415	1-249-426-11	CARBON	5.6K	5%	1/4W	R485	1-208-774-11	RES-CHIP	470	2%	1/10W
R417	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R486	1-208-774-11	RES-CHIP	470	2%	1/10W
R418	1-216-677-11	METAL CHIP	12K	0.5%	1/10W	R501	1-208-462-41	RES-CHIP	10K	2%	1/10W
R419	1-208-437-41	RES-CHIP	1K	2%	1/10W	R502	1-208-526-41	RES-CHIP	47K	2%	1/10W
R420	1-208-462-41	RES-CHIP	10K	2%	1/10W	R503	1-208-760-11	RES-CHIP	120	2%	1/10W
R421	1-208-462-41	RES-CHIP	10K	2%	1/10W	R504	1-208-774-11	RES-CHIP	470	2%	1/10W
R422	1-249-426-11	CARBON	5.6K	5%	1/4W	R505	1-208-774-11	RES-CHIP	470	2%	1/10W
R424	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	R506	1-208-774-11	RES-CHIP	470	2%	1/10W
R425	1-216-677-11	METAL CHIP	12K	0.5%	1/10W	R507	1-249-425-11	CARBON	4.7K	5%	1/4W F
R426	1-208-437-41	RES-CHIP	1K	2%	1/10W	R508	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R427	1-208-462-41	RES-CHIP	10K	2%	1/10W	R509	1-208-437-41	RES-CHIP	1K	2%	1/10W
R428	1-208-462-41	RES-CHIP	10K	2%	1/10W	R510	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R429	1-249-426-11	CARBON	5.6K	5%	1/4W	< VARIABLE RESISTOR >					
R431	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	RV001	1-227-217-11	RES, VAR, CARBON 100K(MONO 1)			
R432	1-216-677-11	METAL CHIP	12K	0.5%	1/10W	RV002	1-227-217-11	RES, VAR, CARBON 100K(MONO 2)			
R433	1-208-437-41	RES-CHIP	1K	2%	1/10W	RV003	1-227-216-11	RES, VAR, CARBON 100K/100K(MONO 3)			
R434	1-208-462-41	RES-CHIP	10K	2%	1/10W	RV004	1-227-216-11	RES, VAR, CARBON 100K/100K(MONO 4)			
R435	1-208-462-41	RES-CHIP	10K	2%	1/10W	RV005	1-227-216-11	RES, VAR, CARBON 100K/100K(MONO 5)			
R436	1-249-426-11	CARBON	5.6K	5%	1/4W	RV006	1-227-216-11	RES, VAR, CARBON 100K/100K(MONO 6)			
R438	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	RV007	1-227-216-11	RES, VAR, CARBON 100K/100K(ST 1)			
R439	1-216-677-11	METAL CHIP	12K	0.5%	1/10W	RV008	1-227-216-11	RES, VAR, CARBON 100K/100K(ST 2)			
R440	1-208-437-41	RES-CHIP	1K	2%	1/10W	RV009	1-227-216-11	RES, VAR, CARBON 100K/100K(ST 3)			
R441	1-208-462-41	RES-CHIP	10K	2%	1/10W	RV301	1-227-218-11	RES, VAR, CARBON 50K(SUB VOL)			
R442	1-208-462-41	RES-CHIP	10K	2%	1/10W	RV302	1-227-219-11	RES, VAR, CARBON 50K/50K(MASTER VOL)			
R443	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	< RELAY >					
R444	1-249-426-11	CARBON	5.6K	5%	1/4W	RY001	1-755-061-11	RELAY			
R446	1-208-518-41	RES-CHIP	22K	2%	1/10W	RY002	1-755-061-11	RELAY			
R447	1-208-518-41	RES-CHIP	22K	2%	1/10W	RY003	1-755-061-11	RELAY			
R448	1-208-437-41	RES-CHIP	1K	2%	1/10W	RY004	1-755-061-11	RELAY			
R449	1-208-462-41	RES-CHIP	10K	2%	1/10W	RY005	1-755-061-11	RELAY			
R450	1-208-462-41	RES-CHIP	10K	2%	1/10W						
R451	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
R452	1-249-426-11	CARBON	5.6K	5%	1/4W						
R454	1-208-518-41	RES-CHIP	22K	2%	1/10W						
R455	1-208-518-41	RES-CHIP	22K	2%	1/10W						
R456	1-208-437-41	RES-CHIP	1K	2%	1/10W						

MAIN

PSW

Ref. No.	Part No.	Description	Remarks
		< SWITCH >	
S001	1-692-485-11	SWITCH, PUSH (1 KEY)(LINE/MIC)	
S002	1-692-485-11	SWITCH, PUSH (1 KEY)(LINE/MIC)	
S301	1-771-993-11	SWITCH, PUSH (1 KEY)(SEPARATE)	
S302	1-571-193-11	SWITCH, PUSH (1 KEY)(MONO/ST)	
S501	1-692-485-11	SWITCH, PUSH (1 KEY)(+48V)	
		< THERMISTOR >	
△ TH501	1-202-853-00	THERMISTOR, POSITIVE	

*	1-718-801-11	PSW BOARD COMBINED (Including MAIN,AC,PSW,IND1,IND2,LED BOARDS)	

		< CAPACITOR >	
△ C701	1-117-703-11	CERAMIC 0.0047uF 99% 250V	
		< SWITCH >	
△ S701	1-572-267-21	SWITCH, PUSH (AC POWER)(1 KEY)(POWER)	

		MISCELLANEOUS	

12	1-769-840-11	WIRE (FLAT TYPE) (5 CORE)	
△ T1	1-435-666-11	TRANSFORMER, POWER (J)	
△ T1	1-435-667-11	TRANSFORMER, POWER (AEP/E)	

Ref. No.	Part No.	Description	Remarks
		ACCESSORIES & PACKING MATERIALS	

△	1-534-827-14	CORD, POWER (AEP/E)	
△	1-551-631-22	CORD, POWER (AEP/E)	
△	1-783-969-11	CORD, POWER (J)	
	2-347-304-01	MANUAL, INSTRUCTION (J) (JAPANESE)	
	2-347-304-11	MANUAL, INSTRUCTION (AEP/E) (ENGLISH)	
	3-670-155-11	LEG (J)	

		HARDWARE LIST	

#1	7-685-871-01	SCREW +BVTT 3X6 (S)	
#2	7-685-861-09	SCREW +BVTT 2.6X5 (S)	
#3	7-685-647-79	SCREW +BVTP 3X10 TYPE2 TT(B)	
#4	7-685-659-79	SCREW +BVTP 4X8 TYPE2 TT(B)	
#5	7-685-872-09	SCREW +BVTT 3X8 (S)	

△印の部品 ,または △印付きの点線で囲まれた部品は ,
安全性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下さい。

The components identified by mark △ or dotted
line with mark △ are critical for safety.
Replace only with part number specified.