# AV RECEIVER/AV AMPLIFIER
# RX-V2400/RX-V2400RDS/DSP-AX2400
# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400
# SERVICE MANUAL

**IMPORTANT NOTICE**

This manual has been provided for the use of authorized YAMAHA Retailers and their service personnel.
It has been assumed that basic service procedures inherent to the industry, and more specifically YAMAHA Products, are already known and understood by the users, and have therefore not been restated.

**WARNING:** Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components, and failure of the product to perform as specified. For these reasons, we advise all YAMAHA product owners that any service required should be performed by an authorized YAMAHA Retailer or the appointed service representative.

**IMPORTANT:** The presentation or sale of this manual to any individual or firm does not constitute authorization, certification or recognition of any applicable technical capabilities, or establish a principle-agent relationship of any form.

The data provided is believed to be accurate and applicable to the unit(s) indicated on the cover. The research, engineering, and service departments of YAMAHA are continually striving to improve YAMAHA products. Modifications are, therefore, inevitable and specifications are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

**WARNING:** Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).

**IMPORTANT:** Turn the unit OFF during disassembly and part replacement. Recheck all work before you apply power to the unit.



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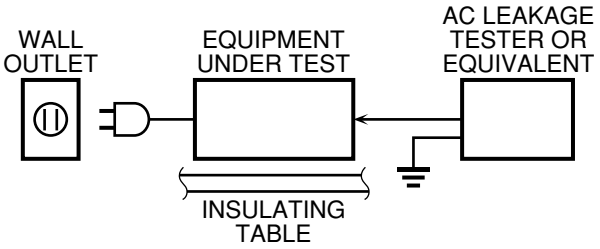
YAMAHA
YAMAHA CORPORATION
P.O.Box 1, Hamamatsu, Japan

## ■ TO SERVICE PERSONNEL

1. Critical Components Information
   Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
2. Leakage Current Measurement (For 120V Models Only)
   When service has been completed, it is imperative to verify that all exposed conductive surfaces are properly insulated from supply circuits.

- Meter impedance should be equivalent to 1500 ohm shunted by 0.15μF.




- Leakage current must not exceed 0.5mA.
- Be sure to test for leakage with the AC plug in both polarities.

**"CAUTION"**
"F1, F2: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE 10A, 125V FUSE."

**CAUTION**
F1, F2: REPLACE WITH SAME TYPE 10A, 125V FUSE.

**ATTENTION**
F1, F2: UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE DE 10A, 125V.

## WARNING: CHEMICAL CONTENT NOTICE!

The solder used in the production of this product contains LEAD. In addition, other electrical/electronic and/or plastic (where applicable) components may also contain traces of chemicals found by the California Health and Welfare Agency (and possibly other entities) to cause cancer and/or birth defects or other reproductive harm.

DO NOT PLACE SOLDER, ELECTRICAL/ELECTRONIC OR PLASTIC COMPONENTS IN YOUR MOUTH FOR ANY REASON WHATSOEVER!

Avoid prolonged, unprotected contact between solder and your skin! When soldering, do not inhale solder fumes or expose eyes to solder/flux vapor!

If you come in contact with solder or components located inside the enclosure of this product, wash your hands before handling food.



## About lead-free solder / 無鉛ハンダについて

The foil side of all P.C.B.s used for this product are soldered with lead-free soldering material which is an alloy of Sn+Ag+Cu (tin + silver + copper).
However, the surface mount devices on the component side of the DSP P.C.B., FUNCTION P.C.B. and CONVERSION P.C.B. are soldered with the lead solder.

Among some types of lead-free solder currently available, it is recommended to use one of the following types for the repair work.

- Sn + Ag + Cu (tin + silver + copper)
- Sn + Cu (tin + copper)
- Sn + Zn + Bi (tin + zinc + bismuth)

**Caution:**

1. As the melting point temperature of the lead-free solder is about 30°C to 40°C (50°F to 70°F) higher than that of the lead solder, be sure to use a soldering iron suitable to each solder.
2. If lead solder must be used, be sure to remove lead-free solder from each terminal section of the parts to be replaced and from the area around it completely before soldering, or make sure that the lead-free solder and lead solder melt together fully.

この製品に使用されているすべての基板のハンダ面のハンダ付けには、Sn+Ag+Cu(錫+銀+銅)の合金である無鉛ハンダが使用されています。
ただし、DSP P.C.B.、FUNCTION P.C.B.およびCONVERSION P.C.B.部品面の表面実装部品のハンダ付けには鉛入りハンダが使用されています。

無鉛ハンダにはいくつかの種類がありますが、修理時には下記のような無鉛ハンダの使用を推奨します。

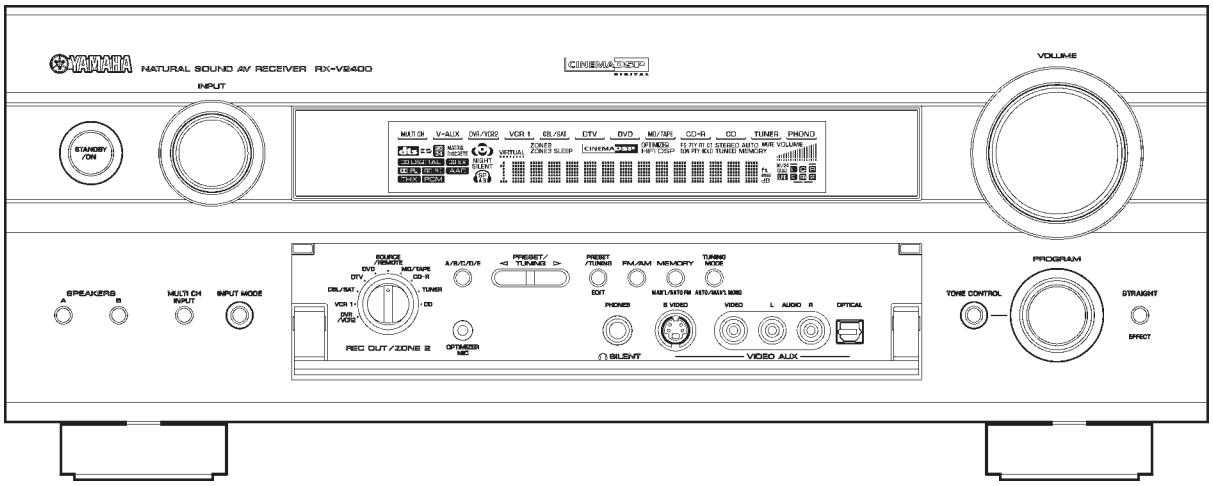
- Sn+Ag+Cu(錫+銀+銅)
- Sn+Cu(錫+銅)
- Sn+Zn+Bi(錫+亜鉛+ビスマス)

**注意：**

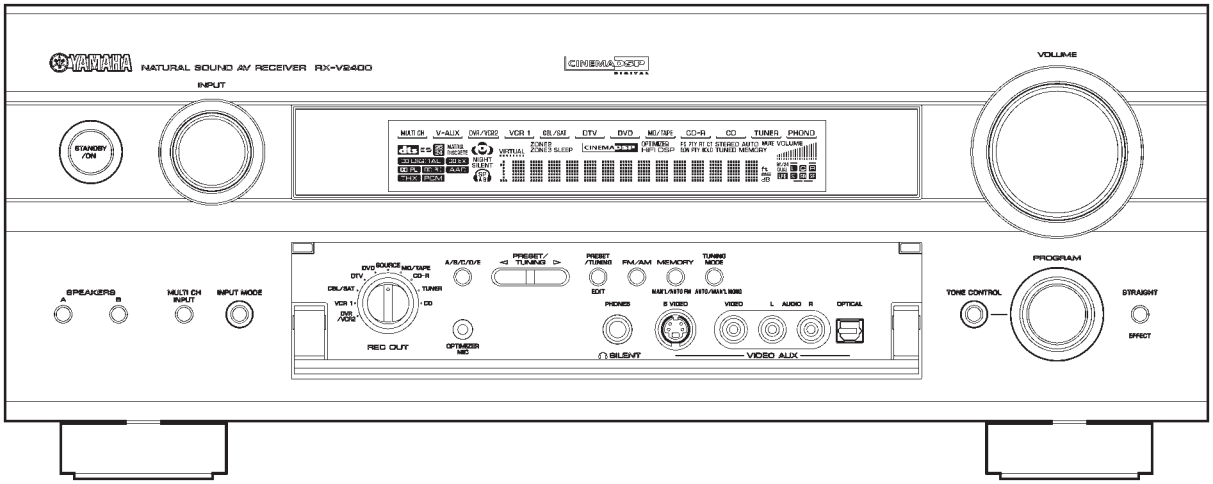
① 無鉛ハンダの融点温度は通常の鉛入りハンダに比べ30～40℃程度高くなっていますので、それぞれのハンダに合ったハンダごてをご使用ください。
② 鉛入りハンダを使わざるを得ない場合は、あらかじめ交換する部品端子部やその周辺部の無鉛ハンダをすべて取り除くか、あるいは無鉛ハンダと鉛入りハンダが十分に溶けた状態となるようにハンダ付けしてください。

# ■ FRONT PANELS

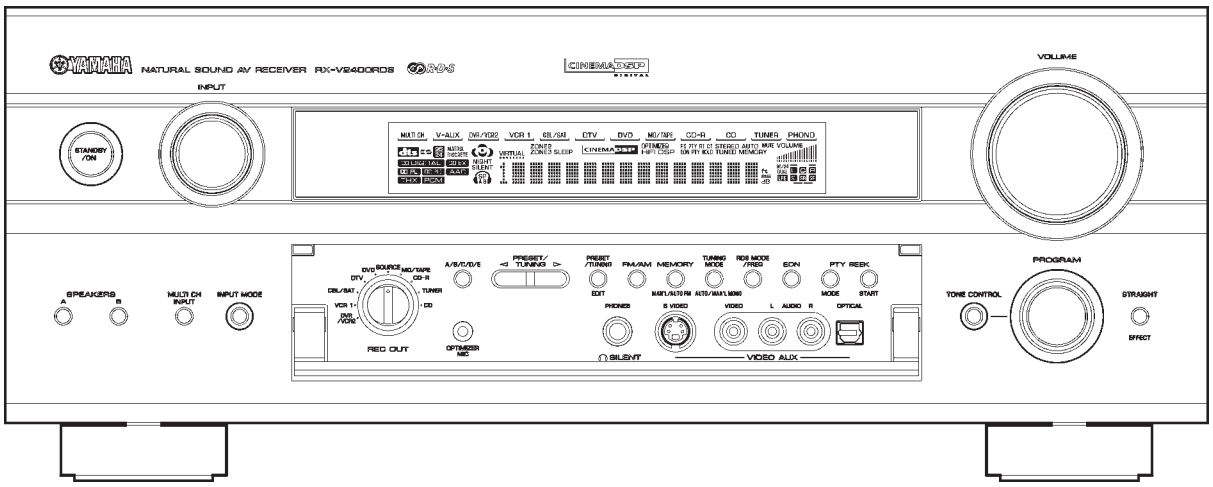
### RX-V2400 (U, C, A models)



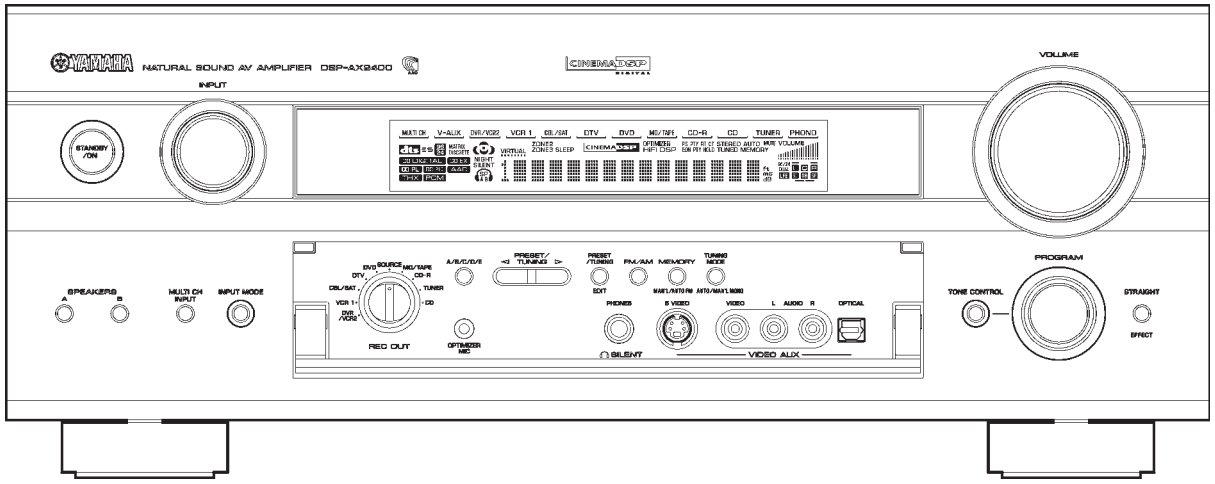

### RX-V2400 (L, R, T, K models)



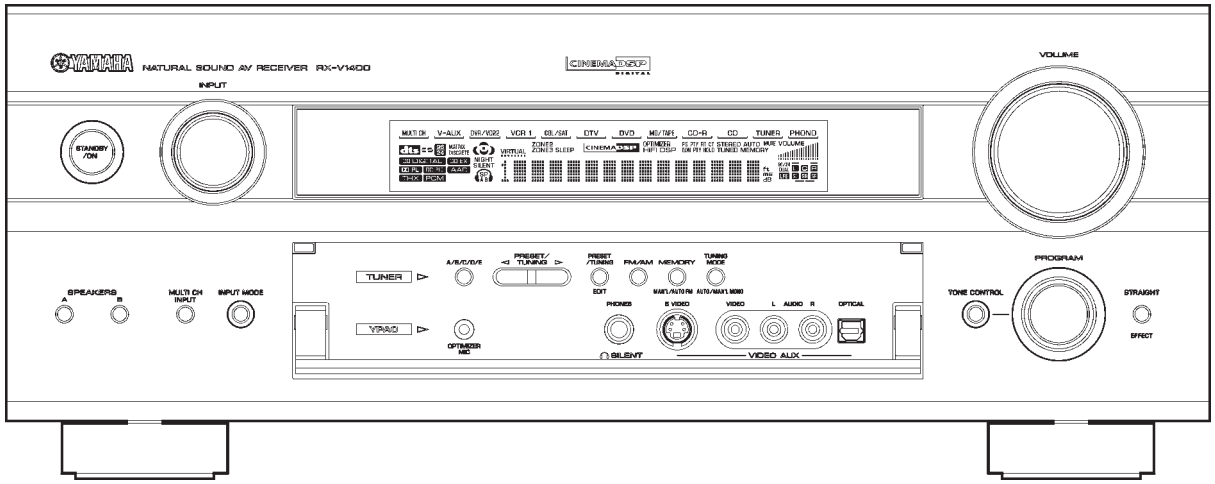

### RX-V2400RDS (B, G models)



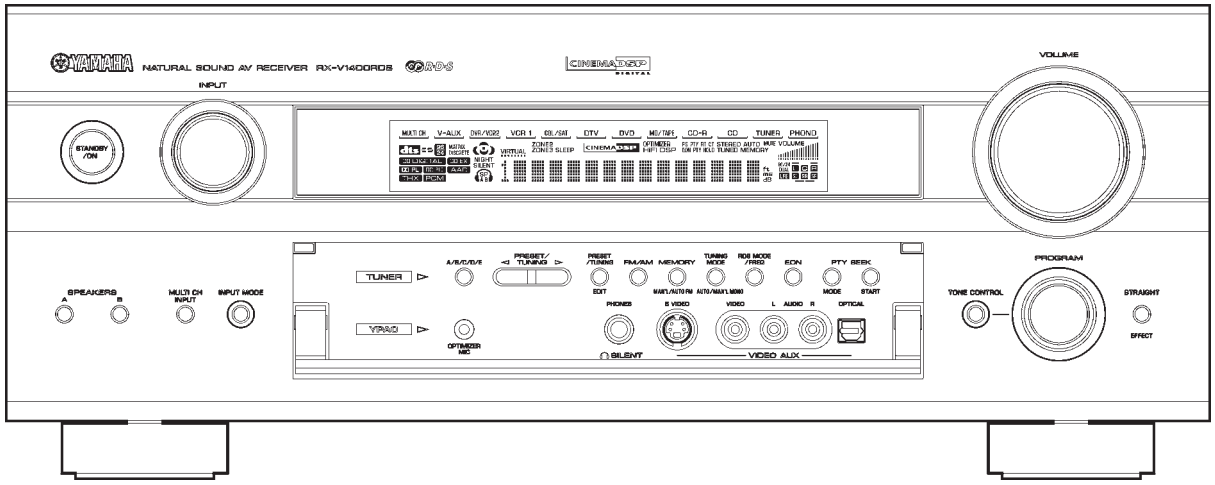
### DSP-AX2400 (J model)



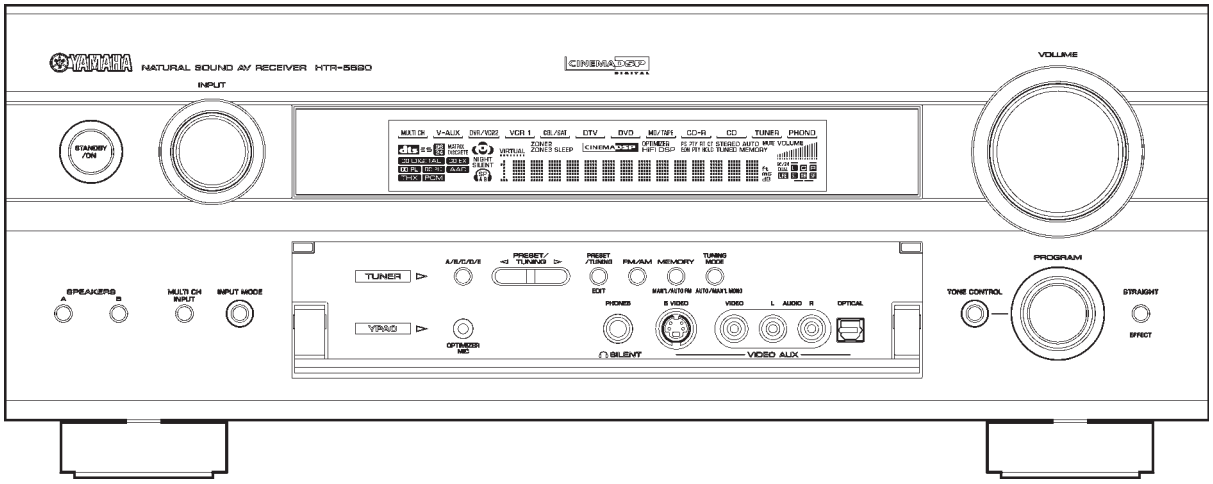

### RX-V1400 (U, C, A, L, R, T, K models)



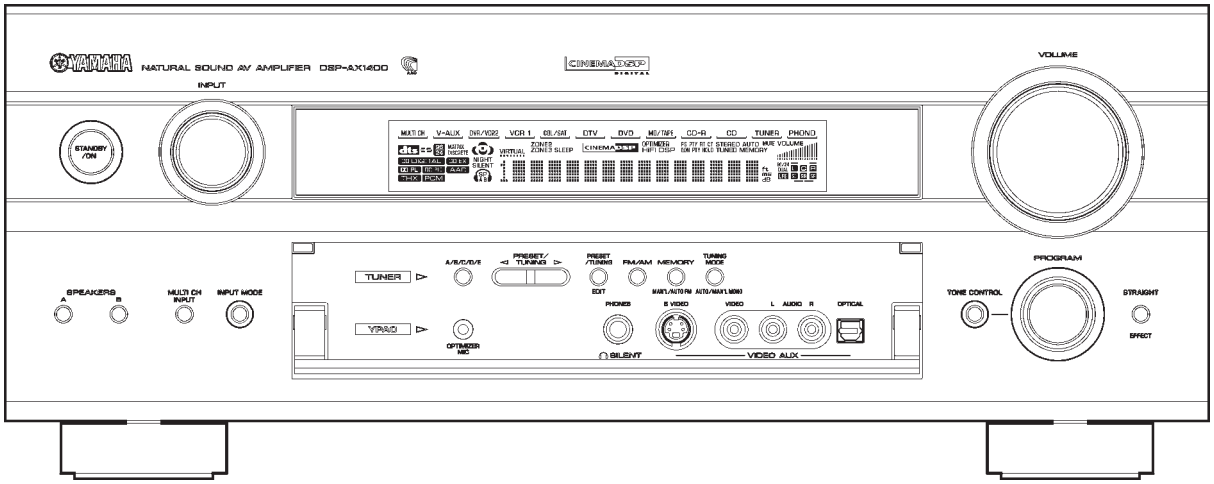

### RX-V1400RDS (B, G models)



**HTR-5690 (U, C, A, T models)**

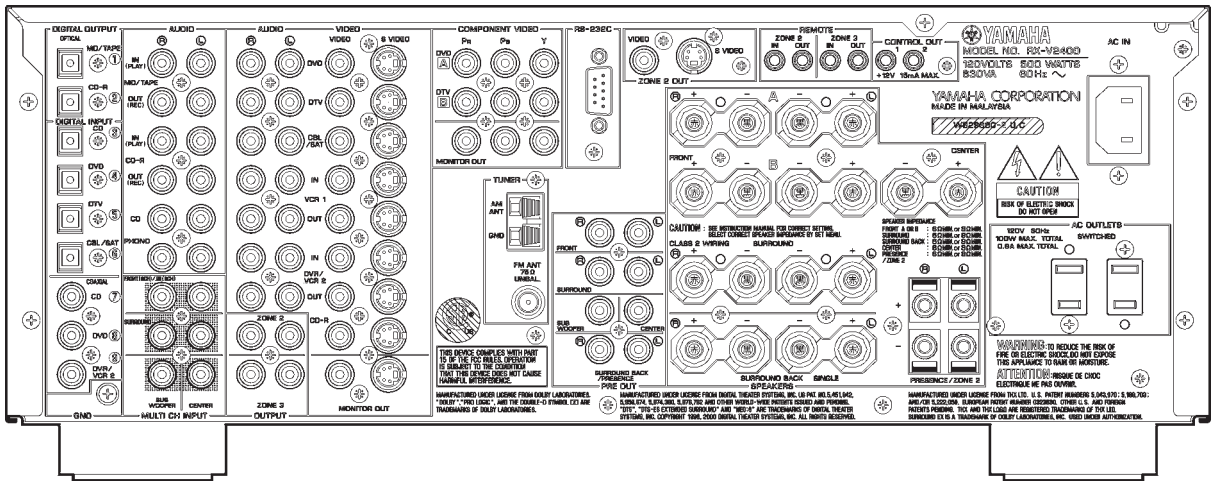



**DSP-AX1400 (J model)**

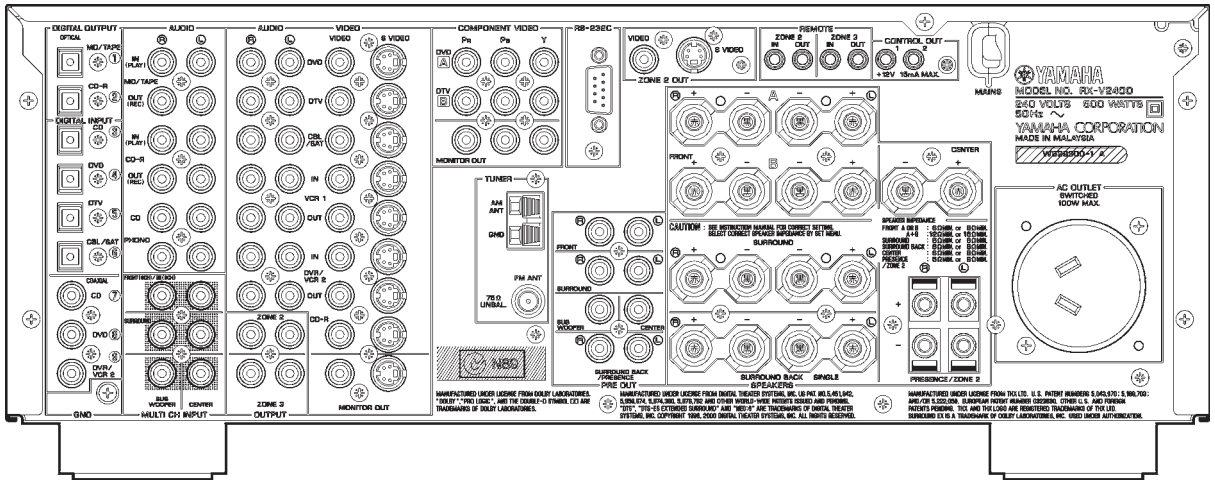


# ■ REAR PANELS

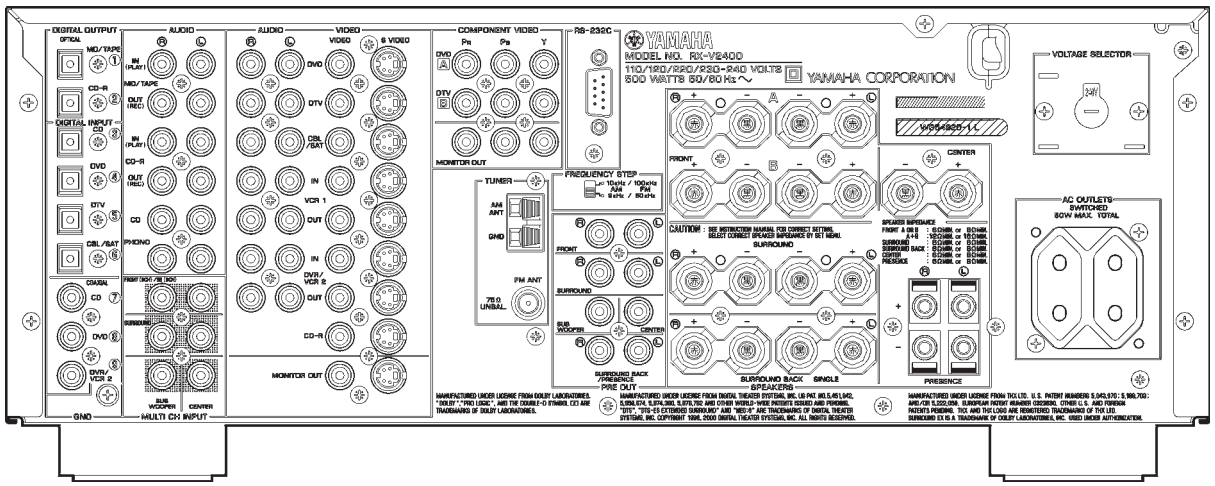
### RX-V2400 (U, C models)



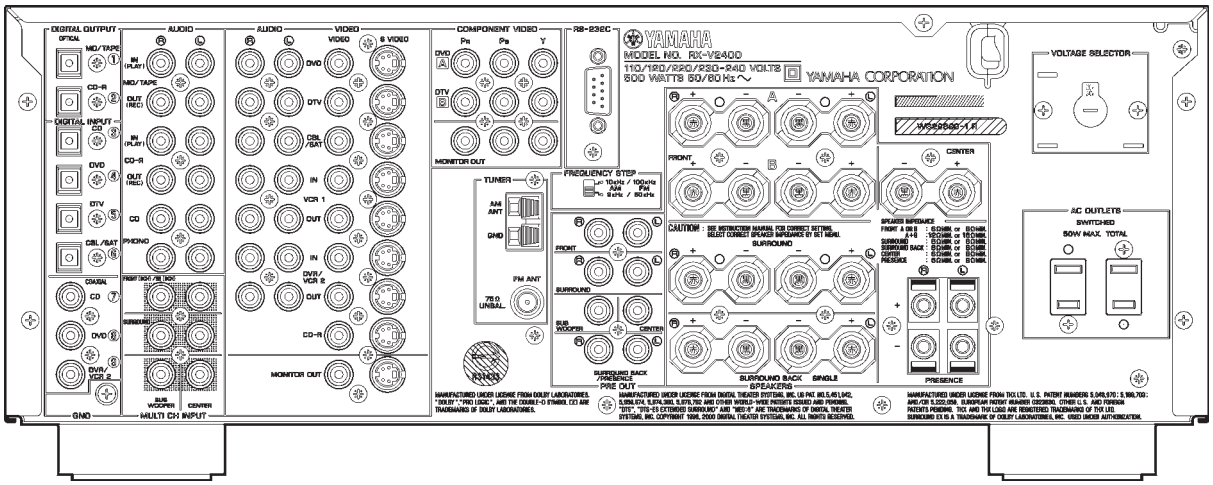

### RX-V2400 (A model)



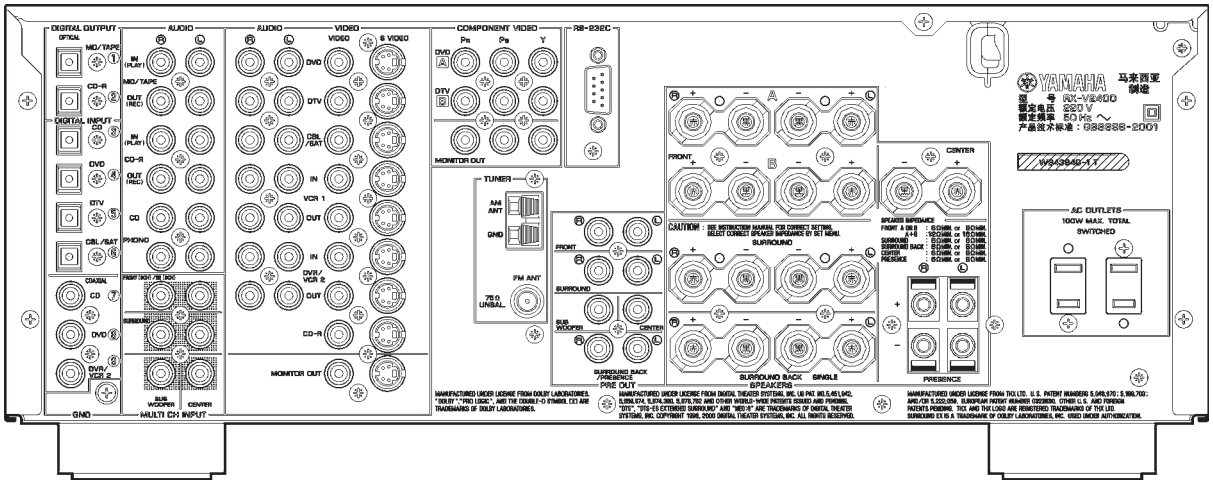

### RX-V2400 (L model)



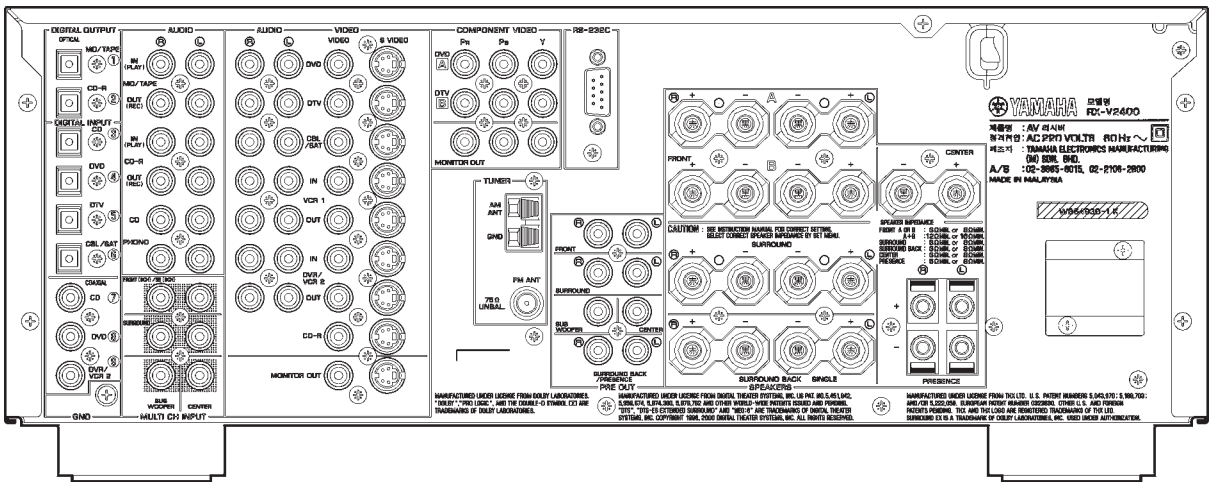
**RX-V2400 (R model)**



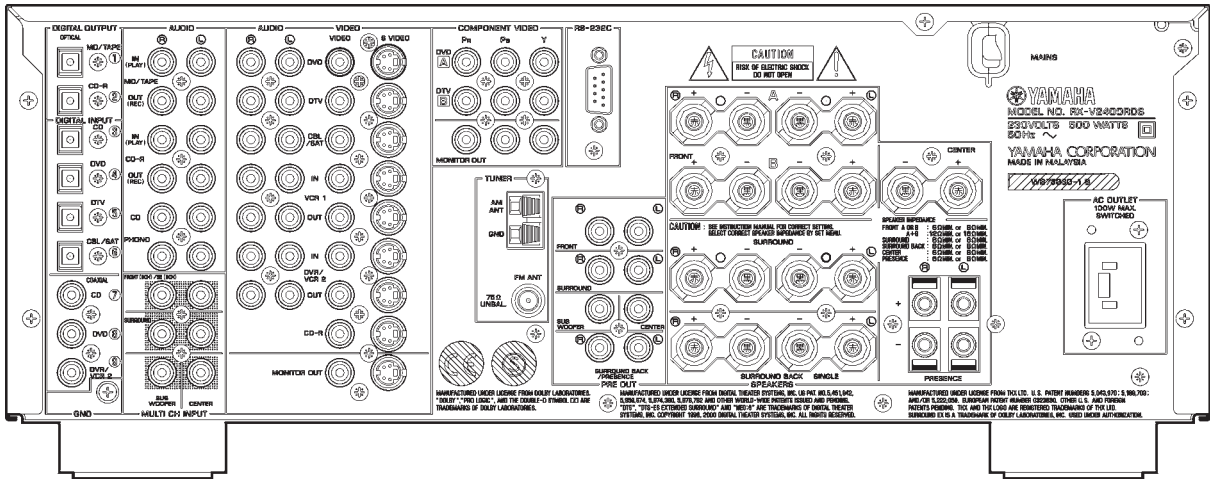

**RX-V2400 (T model)**



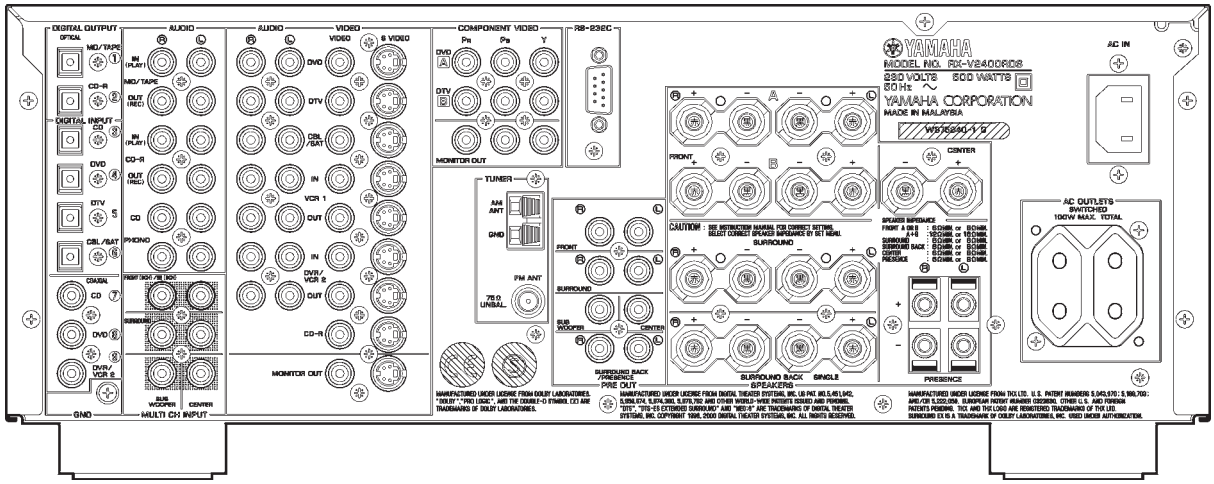

**RX-V2400 (K model)**



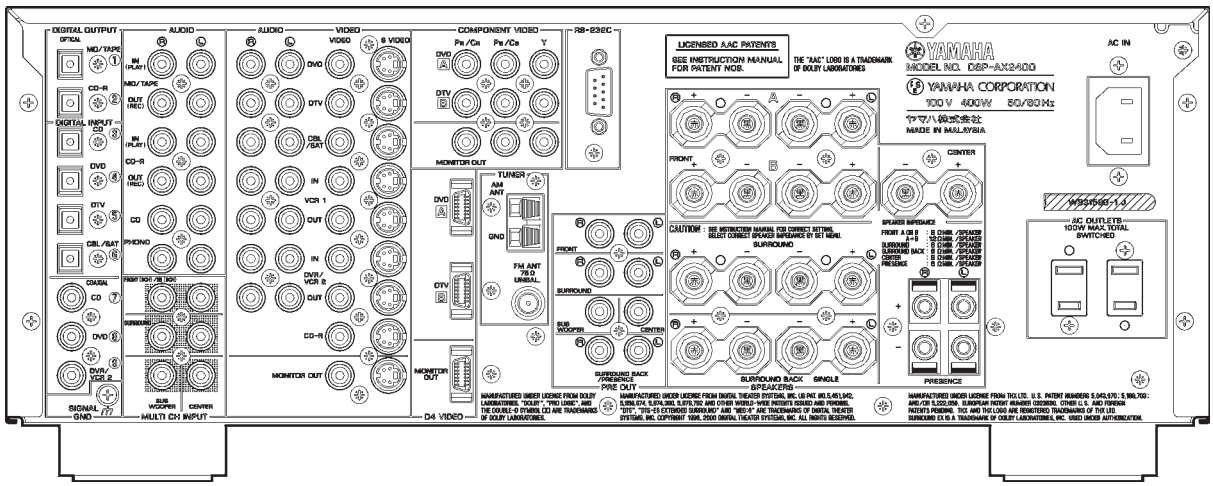
## RX-V2400RDS (B model)



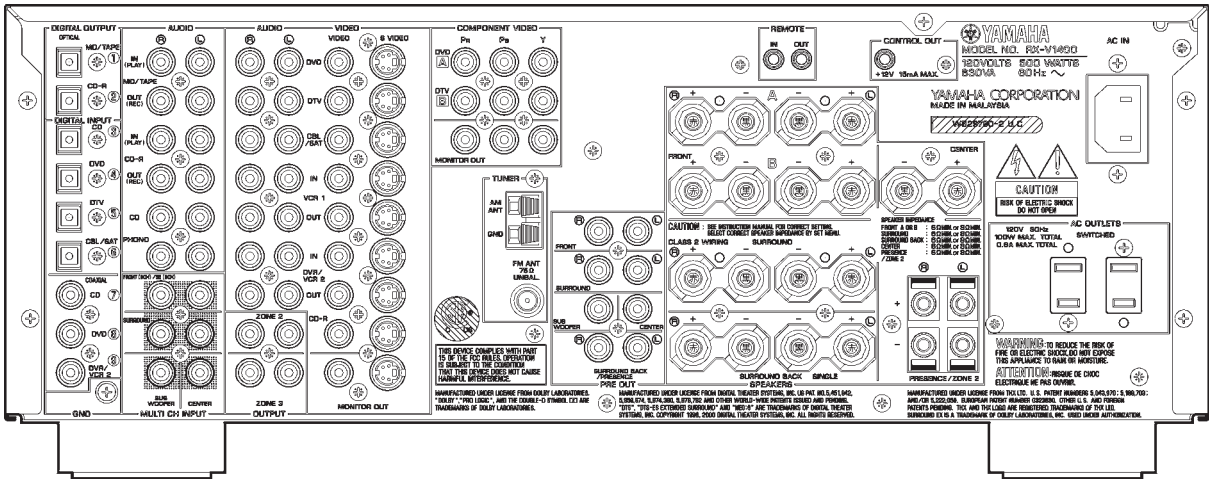

## RX-V2400RDS (G model)



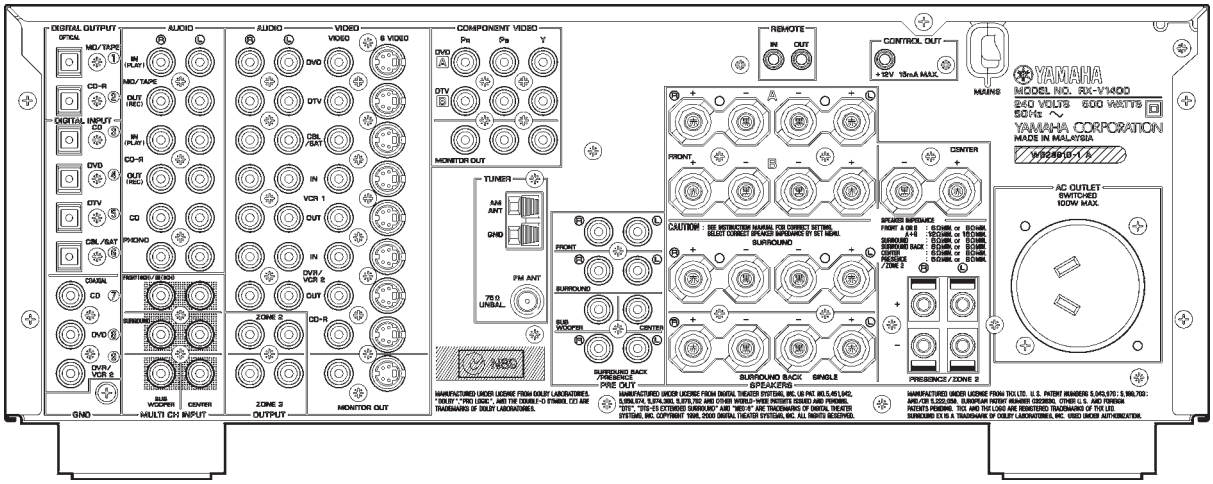

## DSP-AX2400 (J model)



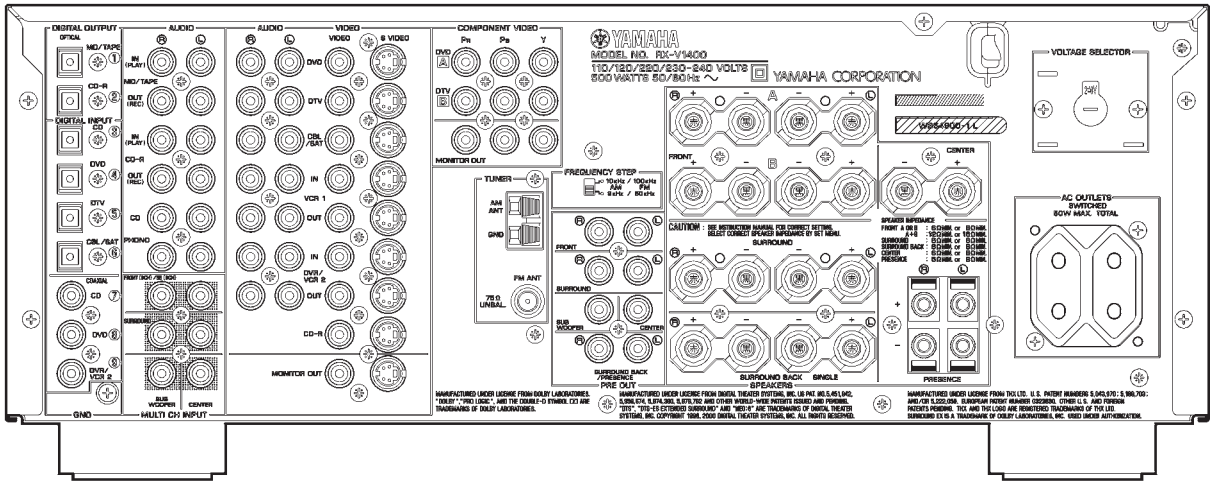
**RX-V1400 (U, C models)**



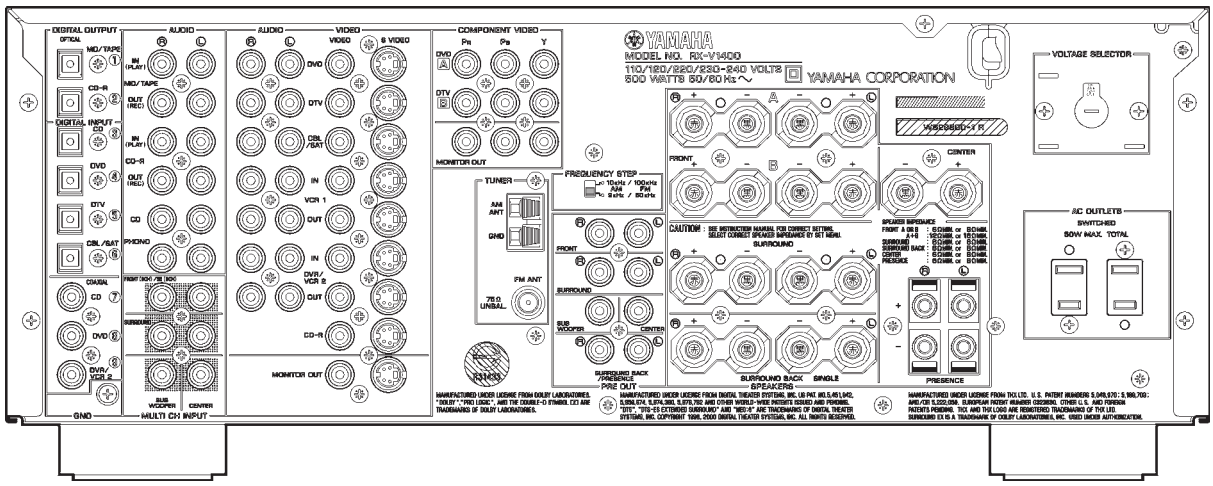
**RX-V1400 (A model)**



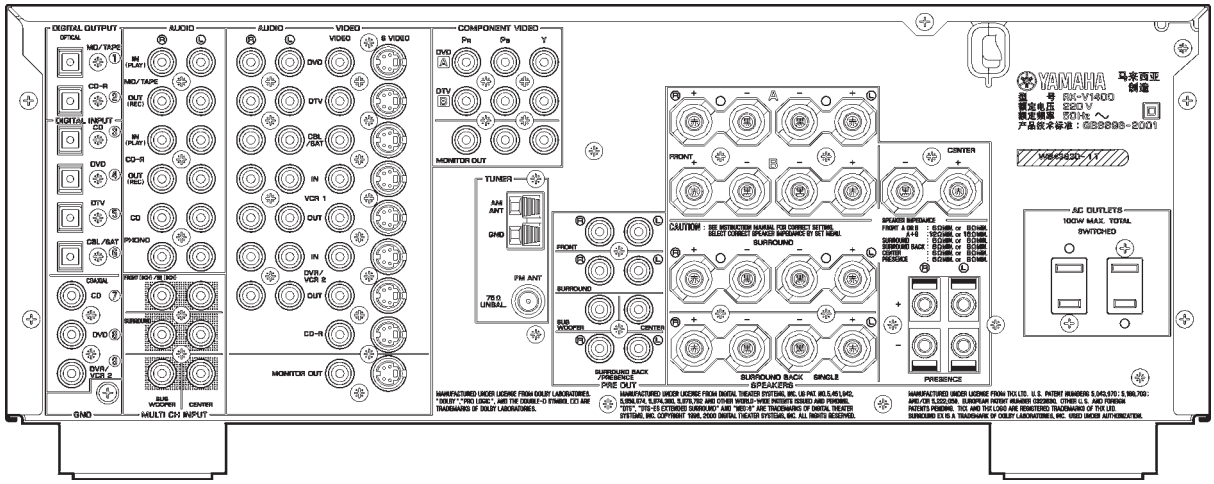
**RX-V1400 (L model)**



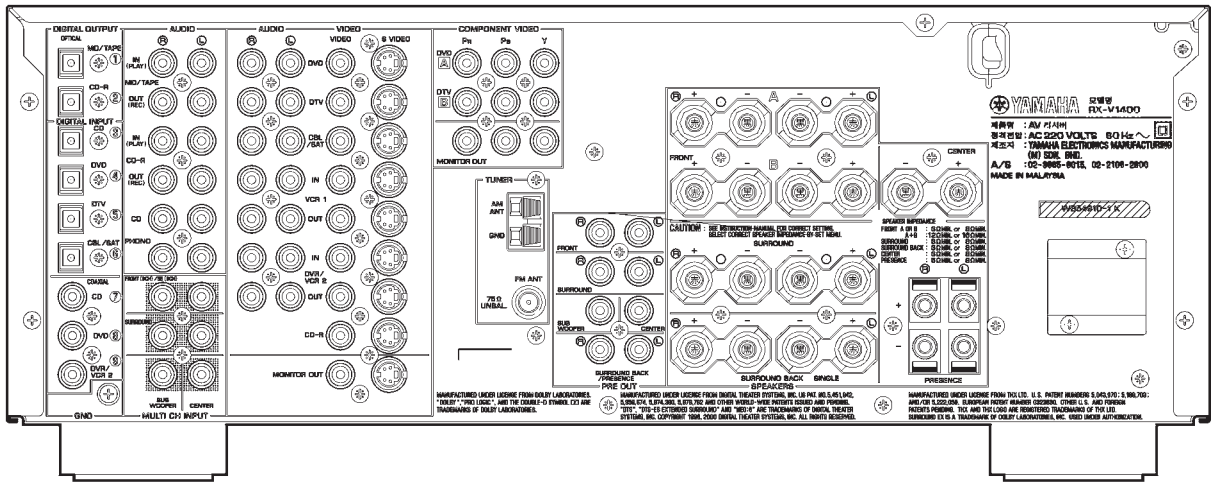
## RX-V1400 (R model)



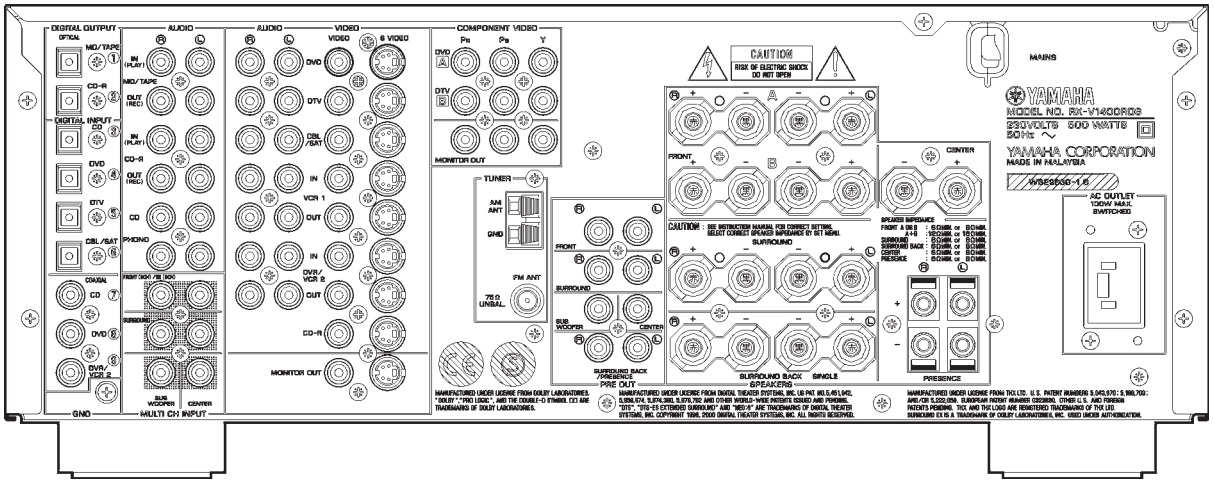

## RX-V1400 (T model)



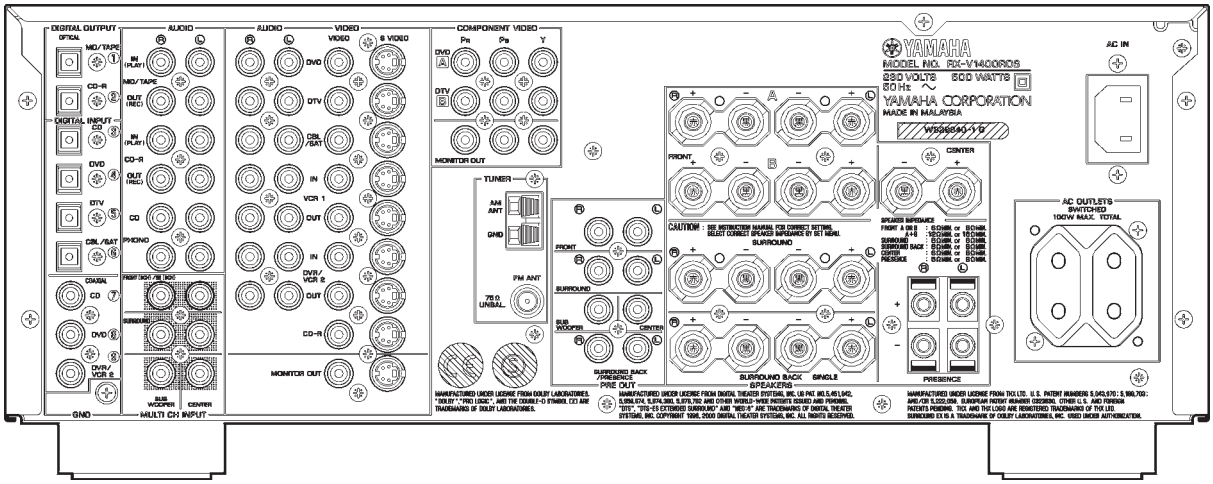

## RX-V1400 (K model)



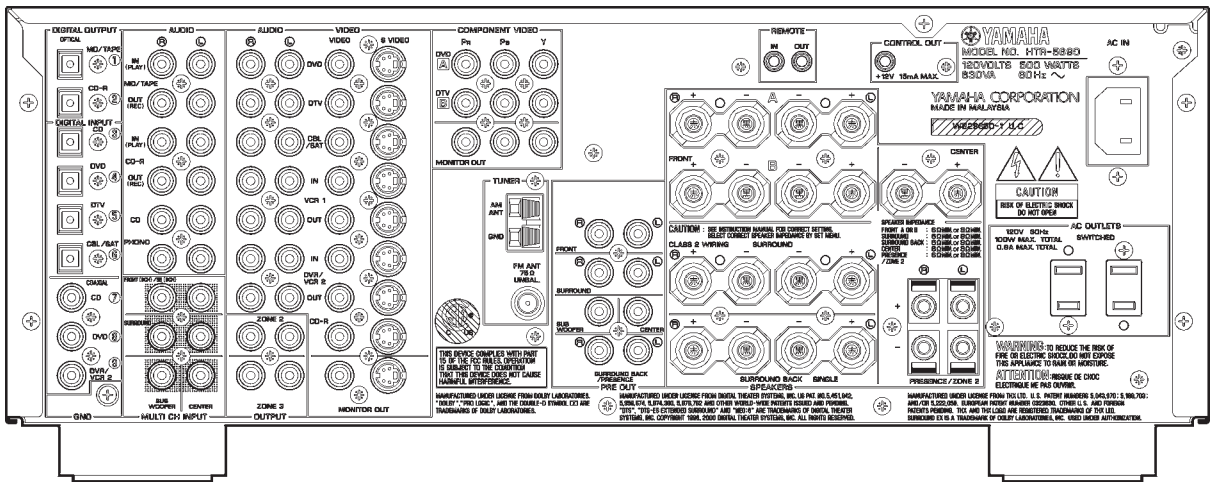
### RX-V1400RDS (B model)



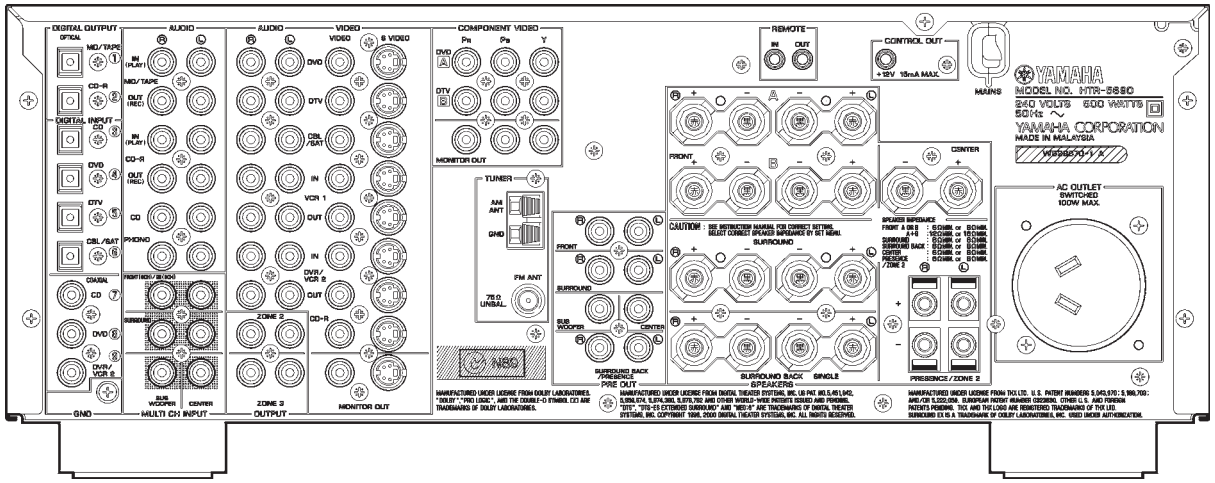

### RX-V1400RDS (G model)



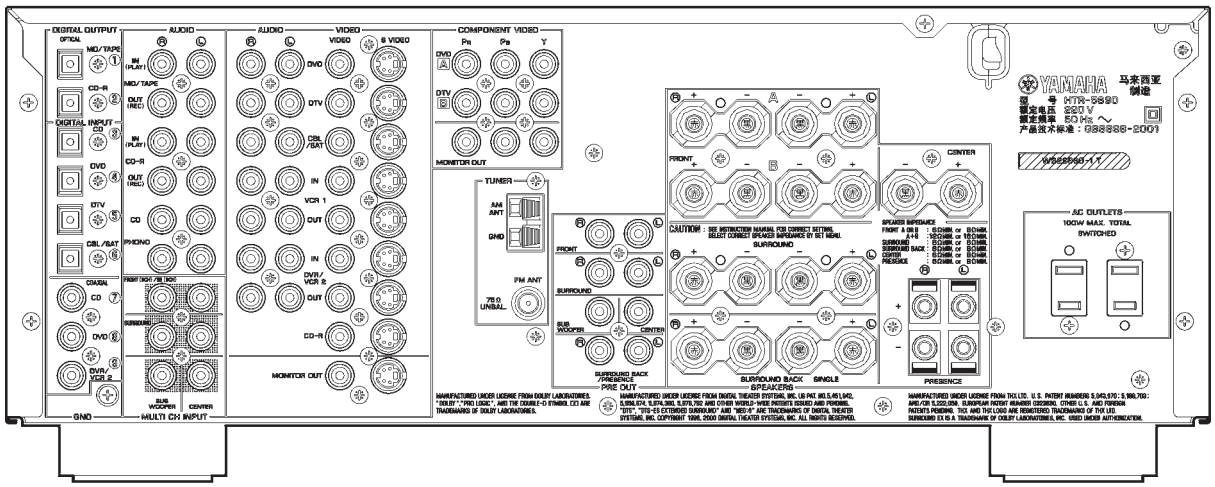

### HTR-5690 (U, C models)



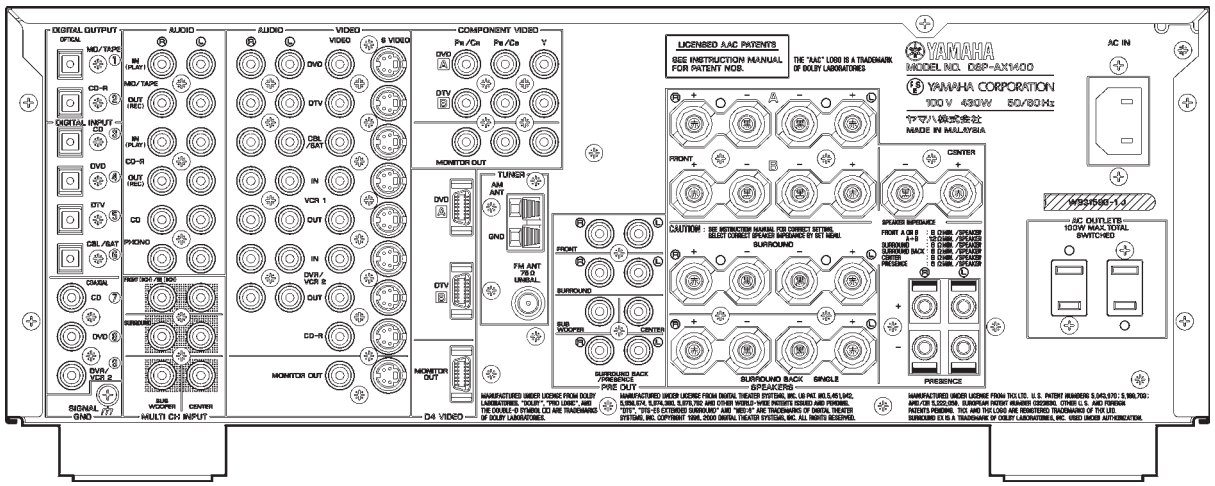
## HTR-5690 (A model)




## HTR-5690 (T model)

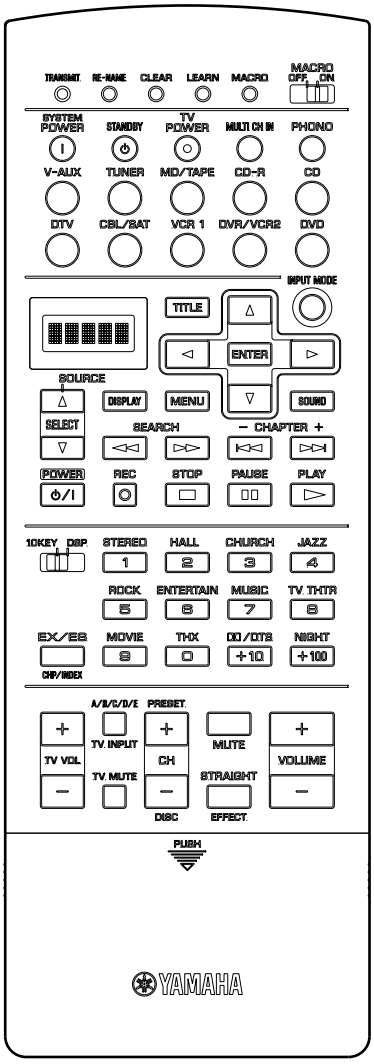


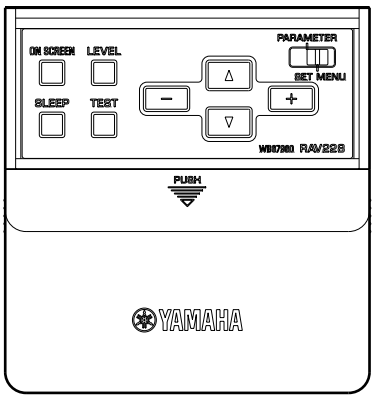

## DSP-AX1400 (J model)



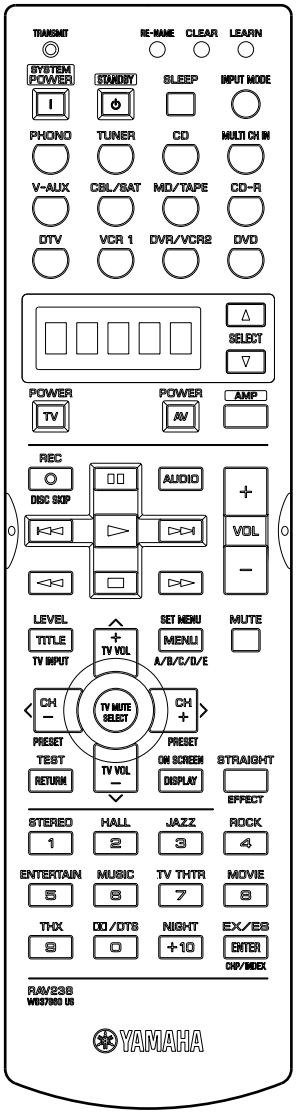
# ■ REMOTE CONTROL

**RX-V2400/RX-V2400RDS/ DSP-AX2400**

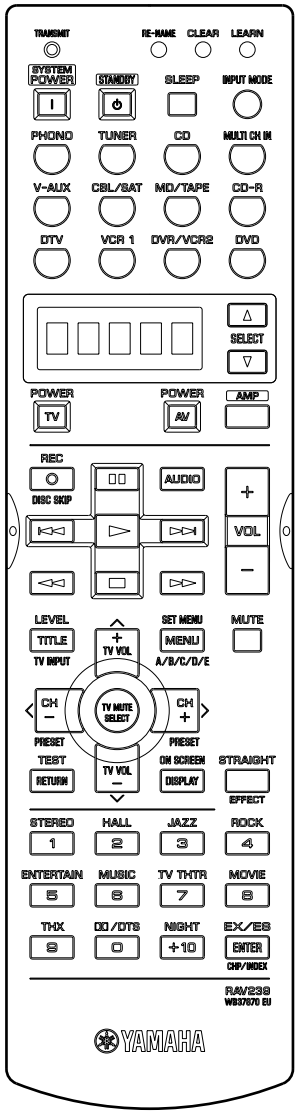



**RX-V1400/HTR-5690/DSP-AX1400 (U, C, A, R, L, T, K, J models)**




**RX-V1400RDS (B, G models)**



# ■ SPECIFICATIONS / 参考仕様

## ■ Audio Section / オーディオ部

**Minimum RMS Output Power (Power Amp. Section) / 定格出力 (パワーアンプ部)**
**RX-V2400/RX-V2400RDS/DSP-AX2400** (20 Hz to 20 kHz)
FRONT L/R
U, C, A, B, G, L, R, T, K models (0.04% THD, 8 ohms) .. 120W + 120W
J model (0.06% THD, 6 ohms) ..... 120W + 120W
CENTER
U, C, A, B, G, L, R, T, K models (0.04% THD, 8 ohms) ... 120W
J model (0.06% THD, 6 ohms) ..... 120W
SURROUND L/R
U, C, A, B, G, L, R, T, K models (0.04% THD, 8 ohms) .. 120W + 120W
J model (0.06% THD, 6 ohms) ..... 120W + 120W
SURROUND BACK L/R
U, C, A, B, G, L, R, T, K models (0.04% THD, 8 ohms) .. 120W + 120W
J model (0.06% THD, 6 ohms) ..... 120W + 120W
**RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400** (20 Hz to 20 kHz)
FRONT L/R
U, C, A, B, G, L, R, T, K models (0.04% THD, 8 ohms) .. 110W + 110W
J model (0.06% THD, 6 ohms) ..... 110W + 110W
CENTER
U, C, A, B, G, L, R, T, K models (0.04% THD, 8 ohms) ... 110W
J model (0.06% THD, 6 ohms) ..... 110W
SURROUND L/R
U, C, A, B, G, L, R, T, K models (0.04% THD, 8 ohms) .. 110W + 110W
J model (0.06% THD, 6 ohms) ..... 110W + 110W
SURROUND BACK L/R
U, C, A, B, G, L, R, T, K models (0.04% THD, 8 ohms) .. 110W + 110W
J model (0.06% THD, 6 ohms) ..... 110W + 110W
**Maximum Power / 実用最大出力 (EIAJ, 1kHz, 10% THD)**
**RX-V2400/RX-V2400RDS/DSP-AX2400**
FRONT L/R
A, L, R, T, K models (8 ohms) ..... 175W + 175W
J model (6 ohms) ..... 180W + 180W
CENTER
A, L, R, T, K models (8 ohms) ..... 175W
J model (6 ohms) ..... 180W
SURROUND L/R
A, L, R, T, K models (8 ohms) ..... 175W + 175W
J model (6 ohms) ..... 180W + 180W
SURROUND BACK L/R
A, L, R, T, K models (8 ohms) ..... 175W + 175W
J model (6 ohms) ..... 180W + 180W
**RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400**
FRONT L/R
A, L, R, T, K models (8 ohms) ..... 165W + 165W
J model (6 ohms) ..... 170W + 170W
CENTER
A, L, R, T, K models (8 ohms) ..... 165W
J model (6 ohms) ..... 170W
SURROUND L/R
A, L, R, T, K models (8 ohms) ..... 165W + 165W
J model (6 ohms) ..... 170W + 170W
SURROUND BACK L/R
A, L, R, T, K models (8 ohms) ..... 165W + 165W
J model (6 ohms) ..... 170W + 170W
**Dynamic Power Per Channel / ダイナミックパワー (IHF)**
**RX-V2400/RX-V2400RDS/DSP-AX2400**
U, C, A, L, R, T, K models (8/6/4/2 ohms) ..... 155/195/250/330W
**RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400**
U, C, A, L, R, T, K models (8/6/4/2 ohms) ..... 145/185/240/320W
**DIN Standard Output Power Per Channel / DINパワー [B, G models]**
**RX-V2400RDS** (1 kHz, 0.7% THD, 4 ohms)
FRONT L/R ..... 180W + 180W
CENTER ..... 180W
SURROUND L/R ..... 180W + 180W
SURROUND BACK L/R ..... 180W + 180W
**RX-V1400RDS** (1 kHz, 0.7% THD, 4 ohms)
FRONT L/R ..... 170W + 170W
CENTER ..... 170W
SURROUND L/R ..... 170W + 170W
SURROUND BACK L/R ..... 170W + 170W
**Dynamic Headroom / ダイナミックヘッドルーム**
**RX-V2400**
U, C, A, L, R, T, K models (8 ohms) ..... 1.2dB
**RX-V1400//HTR-5690**
U, C, A, L, R, T, K models (8 ohms) ..... 0.76dB
**IEC Power / IECパワー [B, G models]**
**RX-V2400RDS** (1 kHz, 0.04% THD, 8 ohms)
FRONT L/R ..... 135W + 135W
**RX-V1400RDS** (1 kHz, 0.04% THD, 8 ohms)
FRONT L/R ..... 125W + 125W
**Damping Factor / ダンピングファクタ**
20 Hz to 20 kHz, SPEAKER-A, 8 ohms ..... 140 or more
**Input Sensitivity / Input Impedance (入力感度/入力インピーダンス)**
PHONO (MM) ..... 3.5 mV / 47 k-ohms
CD, etc. ..... 200 mV / 47 k-ohms
MULTI CH INPUT
FRONT L/R, CENTER, SURROUND L/R, SUB WOOFER
..... 200 mV / 47 k-ohms
**Maximum Input Signal Level / 最大許容入力**
PHONO (MM) (1 kHz, 0.1% THD) ..... 100mV
CD, etc. (1 kHz, 0.5% THD) ..... 2.4V
**Output Level / Output Impedance (出力電圧/出力インピーダンス)**
REC OUT ..... 200 mV / 1.2 k-ohms
PRE OUT (FRONT L/R, CENTER, SURROUND, SURROUND BACK) ..... 1.0 V / 500 ohms
SUB WOOFER ..... 2.0 V / 500 ohms
**RX-V2400 [U, C, A models]**
ZONE 2 OUT ..... 1.0 V / 1.2 k-ohms
ZONE 3 OUT ..... 1.0 V / 1.2 k-ohms
**RX-V1400/HTR-5690 [U, C, A models]**
ZONE 2 OUT ..... 1.0 V / 1.2 k-ohms
ZONE 3 OUT ..... 200 mV / 1.2 k-ohms
**Headphone Jack Rated Output / Impedance (ヘッドフォン出力/出力インピーダンス)**
CD, etc. (1 kHz, 40 mV, 8 ohms) ..... 150 mV / 100 ohms
**Frequency Response / 周波数特性**
CD, etc. to FRONT L/R (10 Hz to 100 kHz) ..... +0/-3.0dB
**RIAA Equalization Deviation / RIAA偏差**
20 Hz to 20 kHz, PHONO (MM) ..... 0±0.5dB
**Total Harmonic Distortion / 全高調波歪率 (20Hz to 20kHz)**
PHONO (MM) to REC OUT (1V) ..... 0.02% or less
CD, etc. (STEREO) to FRONT L/R SP OUT (60W, 8 ohms) .. 0.04% or less
**Signal to Noise Ratio / 信号対雑音比 (IHF-A network)**
PHONO (MM) (Input shorted) to SP OUT
U, C, L, R, T, K models (5mV) ..... 86dB or more
A, B, G models (5mV) ..... 81dB or more
J model (2.5mV) ..... 80dB or more
CD, etc. (Input shorted, STEREO) to SP OUT
200mV ..... 98dB or more
250mV ..... 100dB or more
**Residual Noise / 残留ノイズ (IHF-A network)**
FRONT L/R SP OUT ..... 150μV or less
**Channel Separation / チャンネルセパレーション**
(STEREO)
PHONO (Input shorted, 1 kHz/10 kHz) ..... 60dB or more/55dB or more
CD, etc. (Input 5.1 k-ohms shorted, 1 kHz/10 kHz) ... 60dB or more/45dB or more
**Tone Control Characteristics / トーンコントロール特性**
BASS
Boost/Cut ..... ±6dB (50Hz)
Turnover Frequency ..... 350Hz
TREBLE
Boost/Cut ..... ±6dB (20kHz)
Turnover Frequency ..... 3.5kHz
**Filter Characteristics / フィルター特性**
FRONT, CENTER, SURROUND, SURROUND BACK SP Small (H.P.F.) ..... fc=40/60/80/90/100/110/120/160/200Hz / 12dB oct.
SUBWOOFER (L.P.F.) ..... fc=40/60/80/90/100/110/120/160/200Hz / 24dB oct.

## ■ Video Section / ビデオ部

**Video Signal Type / ビデオ信号方式**
U, C, R, K, J models ..... NTSC
A, B, G, L, T models ..... PAL
**Composite Video Signal Level / コンポジットビデオ信号**
..... 1 Vp-p / 75 ohms
**S-Video Signal Level / Sビデオ信号**
Y ..... 1 Vp-p / 75 ohms
C ..... 0.286 Vp-p / 75 ohms
**Component Video Signal Level / コンポーネントビデオ信号**
Y ..... 1 Vp-p / 75 ohms
Pb/Cr ..... 0.7 Vp-p / 75 ohms
**Video Maximum Input Level / ビデオ最大許容入力**
..... 1.5 Vp-p or more
**Video Signal to Noise Ratio / ビデオ信号対雑音比**
..... 50 dB or more
**Monitor Out Frequency Response / モニターアウト周波数帯域**
Composite Video Signal, S-Video Signal ..... 5 Hz to 10 MHz, -3 dB
Component Video Signal, D4-Video Signal ... 5 Hz to 60 MHz, -3 dB

## ■ FM Section / FM部

**Tuning Range**
U, C models ..... 87.5 to 107.9 MHz
A, B, G, T, K models ..... 87.50 to 108.00 MHz
R, L models ..... 87.5 to 108.0 / 87.50 to 108.00 MHz
J model ..... 76.0 to 90.0 MHz
**50dB Quieting Sensitivity / 50dB SN感度 (IHF)**
(1kHz, 100% Mod.)
Mono ..... 2.0 μV (17.3 dBf)
Stereo ..... 25 μV (39.2 dBf)

**Usable Sensitivity / 実用感度 (IHF)**
Mono ..... 1.0 µV (11.2 dBf)
**Selectivity / 選択度**
at 400 kHz ..... 70 dB
**Signal to Noise Ratio / 信号対雑音比 (IHF)**
Mono / Stereo ..... 76 dB / 70 dB
**Harmonic Distortion / 歪率**
(1 kHz)
Mono/Stereo ..... 0.2 / 0.3 %
**Stereo Separation / ステレオセパレーション**
1 kHz ..... 42 dB
**Frequency Response / 周波数特性**
20 Hz to 15 kHz ..... +0.5 / -2 dB
**Antenna Input / アンテナ入力**
..... 75 ohms unbalanced

**■ AM Section / AM部**

**Tuning Range / 受信周波数範囲**
U, C models ..... 530 to 1,710 kHz
A, B, G, T, K, J models ..... 531 to 1,611 kHz
R, L models ..... 530 to 1,710 / 531 to 1,611 kHz
**Usable Sensitivity / 実用感度**
..... 300 µV/m
**Antenna / アンテナ入力**
..... Loop Antenna

**■ General / 総合**

**Power Supply / 電源電圧**
U, C models ..... AC 120 V, 60 Hz
A model ..... AC 240 V, 50 Hz
B, G models ..... AC 230 V, 50 Hz
R, L models ..... AC 110/120/220/240 V, 50/60 Hz
T model ..... AC 220 V, 50 Hz
K model ..... AC 220 V, 60 Hz
J model ..... AC 100V, 50/60 Hz
**Power Consumption / 消費電力**
U, C models ..... 500 W / 630 VA
A, B, G, L, R, T, K models ..... 500 W
J model ..... 400 W
**Standby Power Consumption (reference data) / 待機電力(参考値)**
U, C, J models ..... 0.5 W
L, R models ..... 0.8 W
A, B, G, T, K models ..... 0.5 W
**Maximum Power Consumption**
(6ch Drive, 10% THD)
**RX-V2400**
R model ..... 1100 W
**RX-V1400**
R model ..... 1050 W
**AC Outlets / ACアウトレット**
2 switched outlets
U, C models ..... 100 W max. total / 0.8A max. total
G, T, J models ..... 100 W max. total
R, L models ..... 50 W max. total
1 switched outlet
A, B models ..... 100W max.
**Dimensions / 寸法 (W x H x D)**
..... 435 x 171 x 433.5 mm (17-1/8" x 6-3/4" x 17-1/16")
**Weight / 重量**
RX-V2400/RX-V2400RDS ..... 15.5 kg (34 lbs. 3 oz.)
DSP-AX2400 ..... 17.8 kg (39 lbs. 4 oz.)
RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400 ... 15.5 kg (34 lbs. 3 oz.)
**Finish / 仕上げ**
RX-V2400/RX-V1400 ..... Gold color (L, R, T, K) models
Black color (U, C, A, R) models
RX-V2400RDS ..... Titanium color (B, G) models
RX-V1400RDS ..... Black color (G) model
Titanium color (B, G) models
HTR-5690 ..... Gold color (T) model
Black color (U, C, A) models
DSP-AX2400 ..... Gold color (J) model
Black color (J) model
DSP-AX1400 ..... Gold color (J) model
**Accessories / 付属品**
Remote Control, Batteries (Manganese Dry), Indoor FM Antenna, AM Loop Antenna, Power Cable (U, C, G, J models), Microphones, Speaker Terminal Wrench, Antenna Adapter PAL (B model)

* Specifications are subject to change without notice due to product improvements.

※ 参考仕様および外観は予告なく変更されることがあります。

U ..... U.S.A. model
A ..... Australian model
G ..... European model
R ..... General model
K ..... Korean model
C ..... Canadian model
B ..... British model
L ..... Singapore model
T ..... Chinese model
J ..... Japanese model

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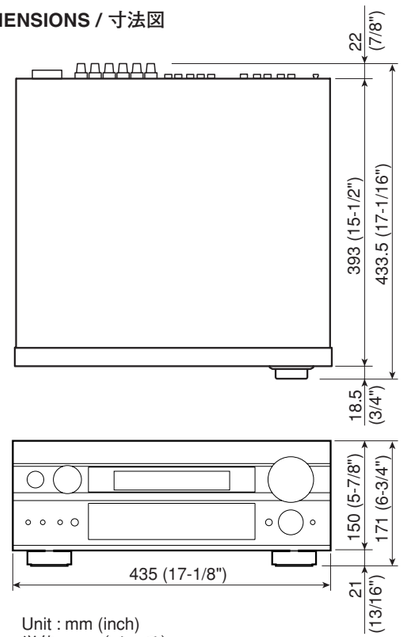
**• DIMENSIONS / 寸法図**




Unit : mm (inch)
単位: mm（インチ）

**• The variable range of the parameter (Min/Max/Step) / パラメーターの可変範囲（最小/最大/ステップ）**

| Parameter name | Pro Logic | Pro Logic II Movie/Game | Pro Logic II Music | Neo:6 | 2ch | DD/dts/AAC | 6.1/ES | Unit |
|---|---|---|---|---|---|---|---|---|
| DSP LEVEL | - | - | - | - | -6/3/1 | -6/3/1 | -6/3/1 | dB |
| (P.) INIT. DLY | - | - | - | - | 1/99/1 | 1/99/1 | 1/99/1 | ms |
| (P.) ROOM SIZE | - | - | - | - | 0.1/2.0/0.1 | 0.1/2.0/0.1 | 0.1/2.0/0.1 | - |
| (P.) LIVENESS | - | - | - | - | 0/10/1 | 0/10/1 | 0/10/1 | - |
| S. DELAY | 10/25/1 | 10/25/1 | 0/15/1 | 0/30/1 | 0/49/1 | 0/49/1 | 0/49/1 | ms |
| S. INIT. DLY | - | - | - | - | - | 1/49/1 | 1/49/1 | ms |
| S. ROOM. SIZE | - | - | - | - | 0.1/2.0/0.1 | 0.1/2.0/0.1 | 0.1/2.0/0.1 | - |
| S. LIVENESS | - | - | - | - | 0/10/1 | 0/10/1 | 0/10/1 | - |
| SB. INT.DLY | - | - | - | - | - | - | 1/49/1 | ms |
| SB. ROOM, SIZE | - | - | - | - | - | - | 0.1/2.0/0.1 | - |
| SB. LIVENESS | - | - | - | - | - | - | 0/10/1 | - |
| REV. TIME | - | - | - | - | 1.0/5.0/0.1 | 1.0/5.0/0.1 | 1.0/5.0/0.1 | s |
| REV. DELAY | - | - | - | - | 0/250/1 | 0/250/1 | 0/250/1 | ms |
| REV. LEVEL | - | - | - | - | 0/100/1 | 0/100/1 | 0/100/1 | % |
| Panorama | - | OFF | OFF/ON | - | - | - | - | - |
| Dimension | - | 0 (STD) | -3/+3/1 | - | - | - | - | - |
| C Width | - | 0 | 0/7/1 | - | - | - | - | - |
| C Image | - | - | - | 0/0.5/0.1 | - | - | - | - |
| DIALG. LIFT | - | - | - | - | 0/5/1 | 0/5/1 | 0/5/1 | - |
| PLⅡ/PLⅡx | - | PLⅡ/PLⅡx | PLⅡ/PLⅡx | - | - | - | - | - |

| 7ch Stereo Parameter | | Unit |
|---|---|---|
| CT. LEVEL | 0/100/1 | % |
| SL. LEVEL | 0/100/1 | % |
| SR. LEVEL | 0/100/1 | % |
| SB. LEVEL | 0/100/1 | % |
| RL. LEVEL | 0/100/1 | % |
| RR. LEVEL | 0/100/1 | % |

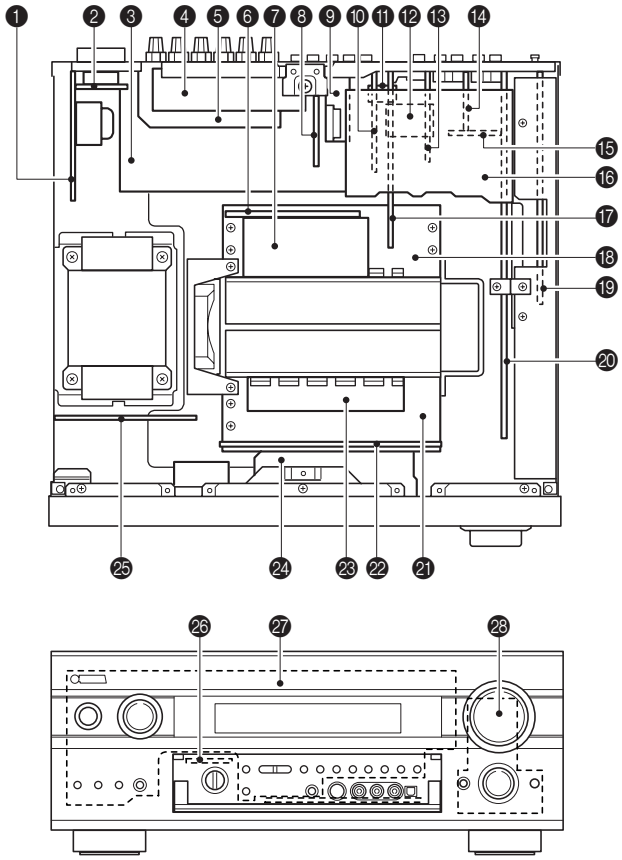
## • Set Menu Table / セットメニュー

| Main category | Sub-category | No. | Main Menu | Sub Menu | Initial Value | Setting Ranges |
|---|---|---|---|---|---|---|
| AUTO SETUP | 1 MENU | | | WIRING | CHECK | CHECK, SKIP |
| | | | | DISTANCE | CHECK | CHECK, SKIP |
| | | | | SIZE | CHECK | CHECK, SKIP |
| | | | | EQUALIZING | Flat | FRONT, Flat, Bass, Mid, High, SKIP |
| | | | | LEVEL | CHECK | CHECK, SKIP |
| | | | | SETUP | Auto | Auto, Step, RELOAD |
| | 2 CHECK | | | WIRING | -- | -- |
| | | | | DISTANCE | -- | -- |
| | | | | SIZE | -- | -- |
| | | | | EQUALIZING | -- | -- |
| | | | | LEVEL | -- | -- |
| | 3 RESULT | A | WIRING | L/C/R/SR/SBR/SBL/SL/SWFR/FL/FR | | OK, NONE |
| | | B | DISTANCE | L/C/R/SR/SBR/SBL/SL/SWFR/FL/FR | | xx.x m, xx.x ft |
| | | C | SIZE | L/C/R/SR/SBR/SBL/SL/SWFR/FL/FR | | LARGE, SMALL, NONE |
| | | D | EQUALIZING | L/R/C/SR/SBR/SBL/SL/FL/FR | | |
| | | E | LEVEL | L/C/R/SR/SBR/SBL/SL/SWFR/FL/FR | | -10～0～+10 dB |
| | | F | EXIT | | SET | SET, CANCEL |
| MANUAL SETUP | 1 BASIC MENU | | | ROOM SIZE | M | S, M, L |
| | | | | SUBWOOFER | YES | YES, NONE |
| | | | | PRESENCE SP | NONE | NONE, YES |
| | | | | Speakers | 7 | 2, 3, 4, 5, 7, 8, 9 |
| | | | SETUP | (Advance to below steps when SET is selected.) | | Cancelled after initial setting |
| | | | CHECK | TEST TONE | | |
| | | | | CONFIRM | YES | YES, NO (→ to SOUND_SP_LEVEL) |
| | 2 SOUND MENU | A | SPEAKER SET | CENTER SP | SMALL | NONE, SMALL, LARGE |
| | | | | FRONT SP | SMALL | SMALL, LARGE |
| | | | | SURR. L/R SP | SMALL | NONE, SMALL, LARGE |
| | | | | SB SP | SMLx2 | NONE, SMLx1, SMLx2, LRGx1, LRGx2 |
| | | | | PRESENCE SP | NONE | NONE/YES |
| | | | | LFE/BASS OUT | SWFR | SWFR, MAIN, BOTH |
| | | | | SWFR CrossOver | 80 | 40, 60, 80, 90, 100, 110, 120, 160, 200 Hz |
| | | B | SPEAKER LEVEL | FL : FR -----¦¦----- | Center | Center (±20 step) |
| | | | | FL : C -----¦¦----- | Center | Center (±20 step) |
| | | | | FL : SL -----¦¦----- | Center | Center (±20 step) |
| | | | | SL : SBL -----¦¦----- | Center | Center (±20 step) |
| | | | | SL : SBR -----¦¦----- | Center | Center (±20 step) |
| | | | | SL : SR -----¦¦----- | Center | Center (±20 step) |
| | | | | FL : SWFR -----¦¦----- | Center | Center (±20 step) |
| | | | | F : PRES -----¦¦----- | Center | Center (±20 step) |
| | | C | SPEAKER DISTANCE | UNIT | | meters (m) / feet (ft) |
| | | | | m····FRONT L | 3.0 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····FRONT R | 3.0 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····CENTER | 3.0 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····SURR. L | 3.0 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····SURR. R | 3.0 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····SB L | 2.1 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····SB R | 2.1 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····SWFR | 3.0 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····PRESENCE L | 3.0 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | m····PRESENCE R | 3.0 m | 0.3 to 24.0 m (0.1 m step) |
| | | | | feet··FRONT L | 10.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··FRONT R | 10.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··CENTER | 10.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··SURR. L | 10.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··SURR. R | 10.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··SB L | 7.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··SB R | 7.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··SWFR | 10.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··PRESENCE L | 10.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | | | feet··PRESENCE R | 10.0 feet | 1.0 to 80 feet (0.5 feet step) |
| | | D | GRAPHIC EQ | Channel | L | L, R, CT, SR L/R, SB L/R, PRES L/R |
| | | | | 63 Hz | 0 dB | ±6 dB (0.5 dB step) |
| | | | | 160 Hz | 0 dB | ±6 dB (0.5 dB step) |
| | | | | 400 Hz | 0 dB | ±6 dB (0.5 dB step) |
| | | | | 1 kHz | 0 dB | ±6 dB (0.5 dB step) |
| | | | | 2.5 kHz | 0 dB | ±6 dB (0.5 dB step) |
| | | | | 6.3 kHz | 0 dB | ±6 dB (0.5 dB step) |
| | | | | 16 kHz | 0 dB | ±6 dB (0.5 dB step) |
| | | E | LFE LEVEL | SP LFE LEVEL | 0 dB | -20 dB to 0 dB (1 dB step) |
| | | | | HP LFE LEVEL | 0 dB | -20 dB to 0 dB (1 dB step) |
| | | F | DYNAMIC RANGE | SP DYNAMIC RANGE | MAX | MIN, STD, MAX |
| | | | | HP DYNAMIC RANGE | MAX | MIN, STD, MAX |
| | | G | LOW FREQ.TEST | TEST TONE | OFF | OFF, ON |
| | | | | OUTPUT | MAIN L/R | MAIN L/R, L, C, R, SR, SBL, SBR, SL, SWFR |
| | | | | FERQ. | 88 Hz | 35 Hz ··· 88 Hz ··· WIDE |
| | | H | HP TONE CTRL | HP BASS | 0 dB | -6 dB to + 6 dB (0.5 dB step) |
| | | | | HP TRBL | 0 dB | -6 dB to + 6 dB (0.5 dB step) |
| | | I | AUDIO SET | AUDIO MUTE | ∞ | ∞, -20 dB |
| | | | | AUDIO DELAY | | 0 ～ 240 ms |
| | | | | DIALG_LIFT | OFF | OFF/ON |
| | | | | DUAL MONO (J) | MAIN | MAIN, SUB, ALL |
| | | J | PR/SB SELECT | | SB | SB, PR |

| | | | | | |
|---|---|---|---|---|---|
| 3 INPUT MENU | A | I/O ASSIGNMENT | [A] CV INPUT 1 | DVD | |
| | | | [B] CV INPUT 2 | DTV | |
| | | | (1) OPTICAL OUT 1 | MD/TAPE | |
| | | | (2) OPTICAL OUT 2 | CD-R | |
| | | | (3) OPTICAL IN 1 | CD | |
| | | | (4) OPTICAL IN 2 | DVD | |
| | | | (5) OPTICAL IN 3 | DTV | |
| | | | (6) OPTICAL IN 4 | CBL/SAT | |
| | | | (7) COAXIAL IN 1 | CD | |
| | | | (8) COAXIAL IN 2 | DVD | |
| | | | (9) COAXIAL IN 3 | DVR/VCR2 | |
| | B | INPUT MODE | | AUTO | |
| | C | INPUT RENAME | DVD→_ _ DVD _ _ _ | | |
| | D | EXT INPUT SET | 1 6ch/8ch | 6ch | 6 ch, 8 ch |
| | | | 2. 8CH INPUT FRONT | DVD | |
| | | | 3 CENTER to | CT | CT, FRONT |
| | | | 4 SWFR to | SW | SW, FRONT |
| | | | 5 SURR L/R to | SURR L/R | SURR L/R, FRONT |
| 4 OPTION MENU | A | DISPLAY SET | DIMMER | 0 | -4 to 0 (1 step) |
| | | | OSD SHIFT | 0 | 0 ±5 (1 step) |
| | | | GRAY BACK | AUTO | AUTO, OFF |
| | | | V CONV. | ON | OFF, ON |
| | | | CMPNT_OSD | ON | OFF, ON |
| | B | MEMORY GUARD | | OFF | OFF, ON |
| | C | PARAM.INI | PARAM INIT 1 | Parameters are initialized when keys of asterisk ＊ marked numbers are pressed (1 to 10 for V1400) | |
| | | | PARAM INIT 2 | | |
| | | | PARAM INIT 3 | | |
| | D | SP IMP.SET | | 8 ohms | 8 ohms, 6 ohms |
| | E | ZONE SET | SP B SET | FRONT | FRONT, ZONE B |
| | F | ZONE2 SET (UCA) | ZONE2 OUT | VAR. | VAR., FIX |
| | | | ZONE2 AMP | OFF | OFF, ON |
| | G | ZONE3 SET (UCA) | ZONE3 OUT (OnlyV2400) | VAR. | VAR., FIX |

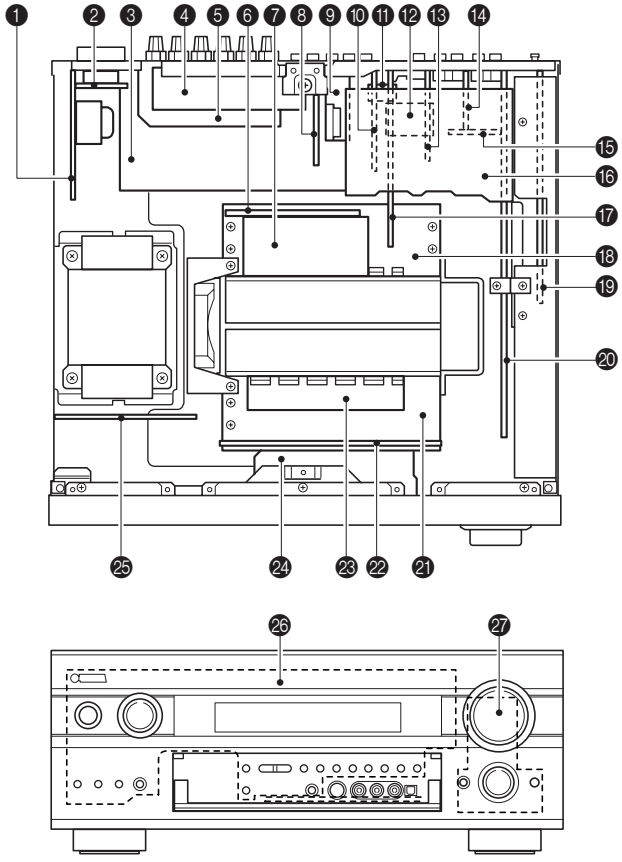
# ■ INTERNAL VIEW

## RX-V2400/RX-V2400RDS/DSP-AX2400



❶ POWER (5) P.C.B.
❷ POWER (4) P.C.B. (L, R models only)
❸ MAIN (1) P.C.B.
❹ POWER (7) P.C.B. (U, C, A models only)
❺ MAIN (5) P.C.B.
❻ POWER (6) P.C.B.
❼ MAIN (3) P.C.B.
❽ VIDEO (4) P.C.B.
❾ TUNER
❿ CONVERSION P.C.B.
⓫ VIDEO (8) P.C.B.
⓬ VIDEO (7) P.C.B.
⓭ VIDEO (3) P.C.B.
⓮ VIDEO (5) P.C.B.
⓯ VIDEO (6) P.C.B.
⓰ VIDEO (2) P.C.B.
⓱ VIDEO (1) P.C.B.
⓲ MAIN (2) P.C.B.
⓳ DSP P.C.B.
⓴ FUNCTION P.C.B.
㉑ MAIN (4) P.C.B.
㉒ POWER (1) P.C.B.
㉓ POWER (3) P.C.B.
㉔ OPERATION (3) P.C.B.
㉕ POWER (2) P.C.B.
㉖ OPERATION (4) P.C.B.
㉗ OPERATION (1) P.C.B.
㉘ OPERATION (2) P.C.B

## RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400



❶ POWER (5) P.C.B.
❷ POWER (4) P.C.B. (L, R models only)
❸ MAIN (1) P.C.B.
❹ POWER (7) P.C.B. (U, C, A models only)
❺ MAIN (5) P.C.B.
❻ POWER (6) P.C.B.
❼ MAIN (3) P.C.B.
❽ VIDEO (4) P.C.B.
❾ TUNER
❿ CONVERSION P.C.B.
⓫ VIDEO (8) P.C.B.
⓬ VIDEO (7) P.C.B.
⓭ VIDEO (3) P.C.B.
⓮ VIDEO (5) P.C.B.
⓯ VIDEO (6) P.C.B.
⓰ VIDEO (2) P.C.B.
⓱ VIDEO (1) P.C.B.
⓲ MAIN (2) P.C.B.
⓳ DSP P.C.B.
⓴ FUNCTION P.C.B.
㉑ MAIN (4) P.C.B.
㉒ POWER (1) P.C.B.
㉓ POWER (3) P.C.B.
㉔ OPERATION (3) P.C.B.
㉕ POWER (2) P.C.B.
㉖ OPERATION (1) P.C.B.
㉗ OPERATION (2) P.C.B.

# ■ DISASSEMBLY PROCEDURE / 分解手順

* The description below uses RX-V2400RDS (G model) as a representative model.

※ 本項目では、代表としてRX-V2400RDS (G model)について記述します。

(Remove parts in the order as numbered.)
Disconnect the power cable from the AC outlet.

(番号順に部品を取り外してください。)
AC電源コンセントから、電源コードを抜いてください。

**1. Removal of Top Cover**

a. Remove 2 screws (①), 4 screws (②) and 5 screws (③). (Fig. 1)
b. Slide the Top Cover rearward to remove it. (Fig. 1)

**1. トップカバーの外し方**

a. ①のネジ2本、②のネジ4本、③のネジ5本を外します。(Fig. 1)
b. トップカバーを後方へスライドさせ、取り外します。(Fig. 1)

**2. Removal of Front Panel**

Remove 6 screws (④) and then remove the Front Panel forward. (Fig. 1)

**2. フロントパネルの外し方**

④のネジ6本を外し、フロントパネルを前方に外します。(Fig. 1)

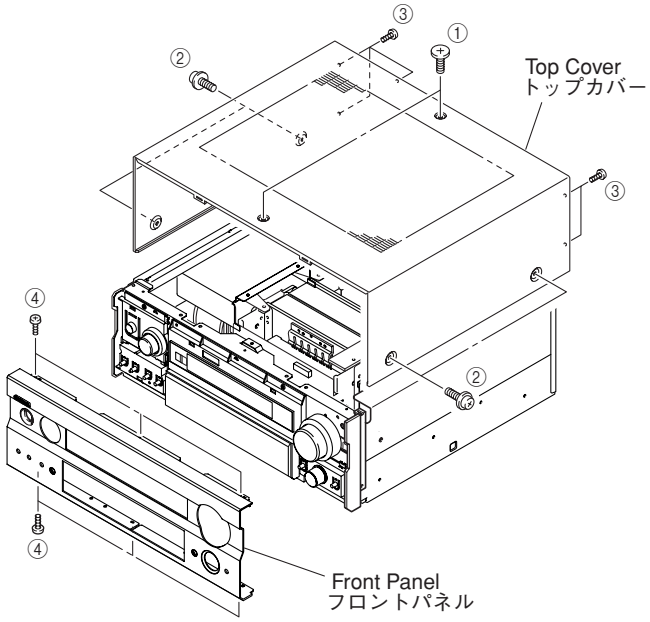



**Fig. 1**

**3. Removal of Sub Chassis**

a. Remove 4 push rivets (⑤) and then remove the Side Plates. (Fig. 2)
b. Remove 2 screws (⑥) and 2 screws (⑦). (Fig. 2)
c. Remove CB25, CB509, CB512, CB861 ~ CB864. (Fig. 3)
d. Remove the Sub Chassis forward. (Fig. 2)

**3. サブシャーシの外し方**

a. ⑤のプッシュリベット4本を外し、サイドプレートを取り外します。(Fig. 2)
b. ⑥のネジ2本、⑦のネジ2本を外します。(Fig. 2)
c. CB25、CB509、CB512、CB861～CB864を外します。(Fig. 3)
d. サブシャーシを前方に取り外します。(Fig. 2)

**4. Removal of DSP P.C.B.**

a. Remove 2 screws (⑧) and then remove the Supports. (Fig. 2)
b. Remove 5 screws (⑨) and then remove the Bracket. (Fig. 2)
c. Remove 3 screws (⑩). (Fig. 2)
d. Remove 8 screws (⑪). (Fig. 4)
e. Remove CB501, CB503 ~ CB505. (Fig. 3)
f. Remove the DSP P.C.B. upward. (Fig. 2)

**4. DSP P.C.B.の外し方**

a. ⑧のネジ2本を外し、サポートを取り外します。(Fig. 2)
b. ⑨のネジ5本を外し、ブラケットを取り外します。(Fig. 2)
c. ⑩のネジ3本を外します。(Fig. 2)
d. ⑪のネジ8本を外します。(Fig. 4)
e. CB501、CB503～CB505を外します。(Fig. 3)
f. DSP P.C.B.を上方に取り外します。(Fig. 2)

**5. Removal of VIDEO (2) P.C.B.**

a. Remove 1 screw (⑫). (Fig. 2)

**5. VIDEO (2) P.C.B.の外し方**

a. ⑫のネジ1本を外します。(Fig. 2)

b. Remove CB554, CB555 and CB558. (Fig. 3)
c. Remove the VIDEO (2) P.C.B. which is connected directly to the lower P.C.B. with connectors. (Fig. 2)

b. CB554、CB555、CB558を外します。(Fig. 3)
c. VIDEO (2) P.C.B.を取り外します。下方のP.C.B.と直接コネクター接続されています。(Fig. 2)

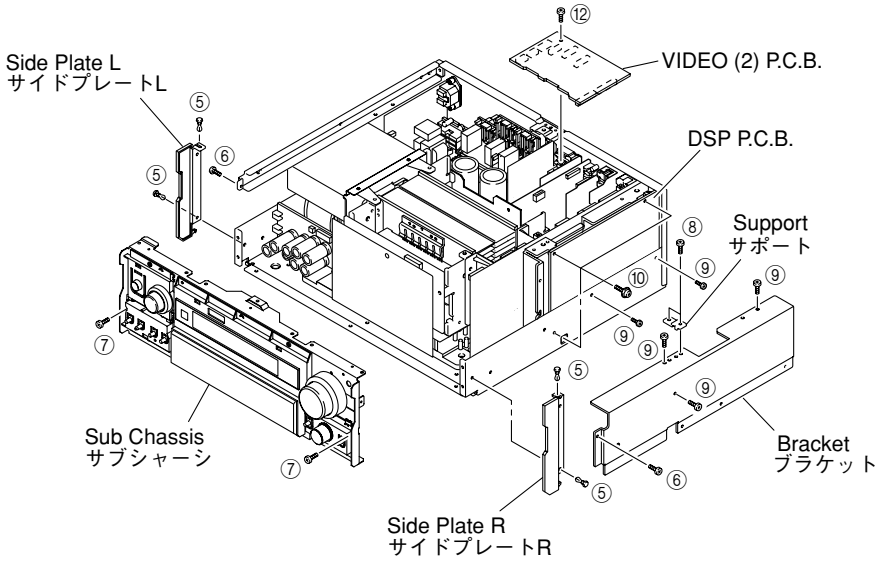



**Fig. 2**

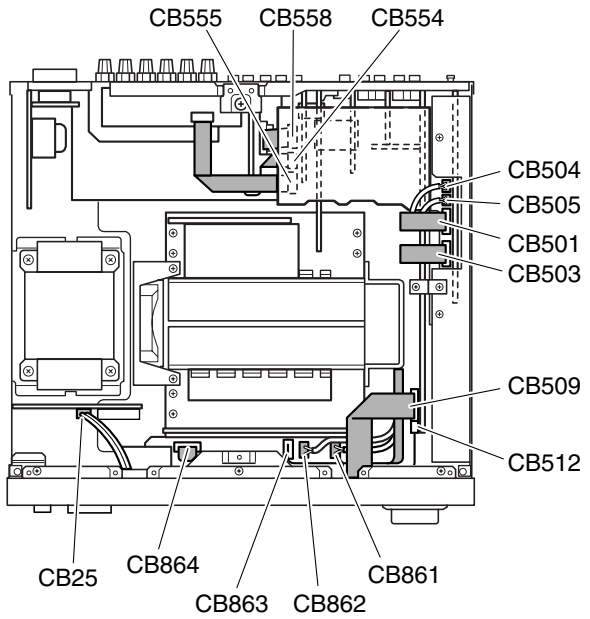



**Fig. 3**

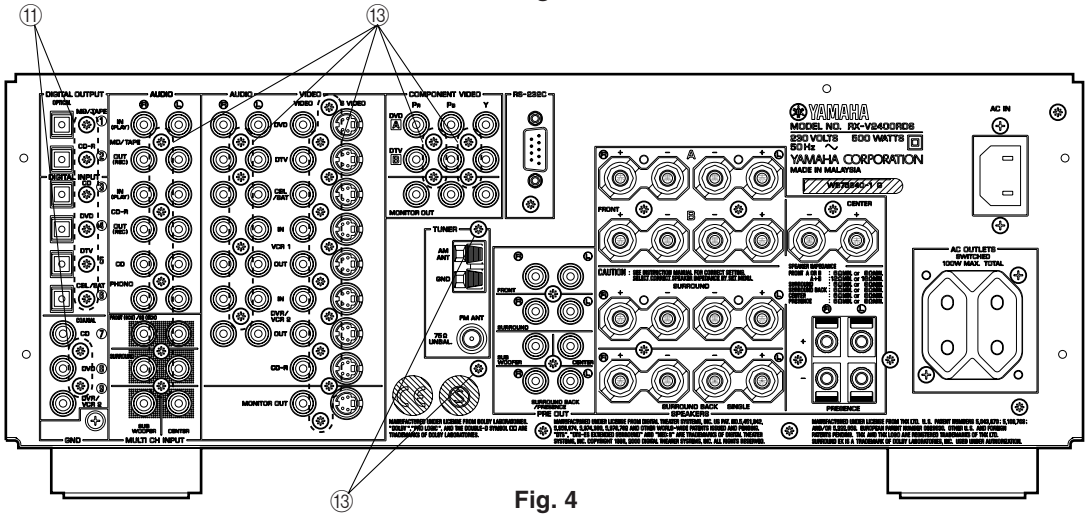



**Fig. 4**

**6. Removal of VIDEO (1) ~ (3), (5) ~ (8), FUNCTION, CONVERSION P.C.B.s and Tuner**

a. Remove 25 screws (⑬). (Fig. 4)
b. Remove VIDEO (1) ~ (3), (5) ~ (8), FUNCTION, CONVERSION P.C.B.s and Tuner. (Fig. 5)

**When checking the P.C.B.:**

- Put the Rubber Sheet and a Cloth over the equipment. Then place the P.C.B. upside down on the Cloth and check it. (Fig. 5)
- Reconnect all cables (connectors) that have been disconnected.
- When connecting the flat cable, use care for the polarity.
- The P.C.B. removed from the rear panel does not work because its grounding is loose. Be sure to connect the ground of each P.C.B. to the chassis or GND with a jumper wire or the like.

**6. VIDEO（1）～（3）、（5）～（8）、FUNCTION、CONVERSION P.C.B.、チューナーの外し方**

a. ⑬のネジ25本を外します。（Fig. 4）
b. VIDEO（1）～（3）、（5）～（8）、FUNCTION、CONVERSION P.C.B.、チューナーを取り外します。（Fig. 5）

**P.C.B.チェックをする場合には**

- 本機の上にゴムシートと布を敷き、その上にP.C.B.を裏返しに置いてチェックします。（Fig. 5）
- 外したケーブル（コネクター）をすべて接続してください。
- フラットケーブルを接続する際、極性に注意してください。
- リアパネルから外したP.C.B.はアースが浮いて動作しませんので、各P.C.B.のアースをリード線等でシャーシまたはGNDに接続してください。

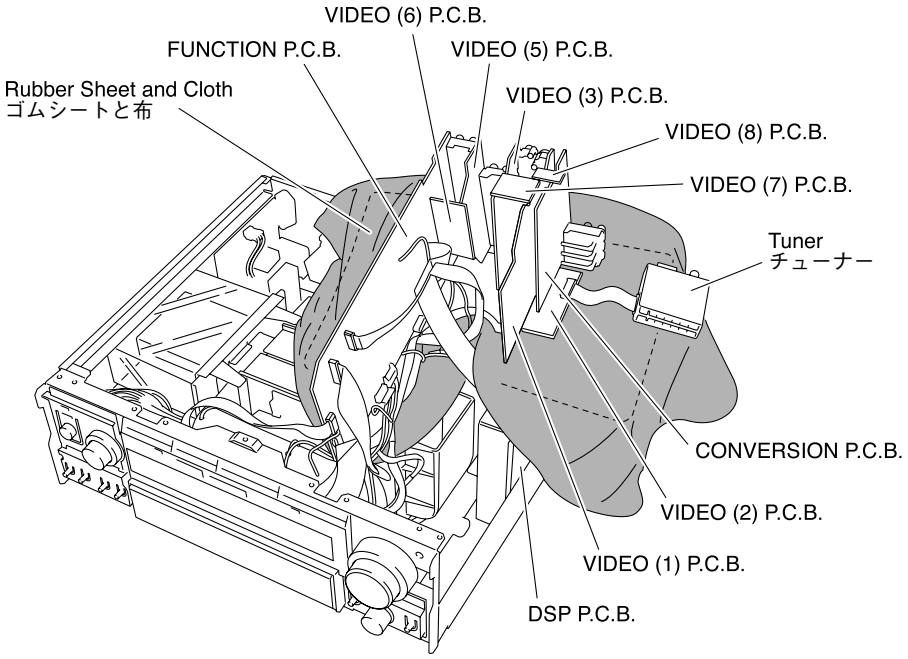



**Fig. 5**

**7. Removal of Fan**

a. Remove 4 push rivets (⑭) and then remove the Cover. (Fig. 6)
b. Remove 2 screws (⑮) and 2 screws (⑯). (Fig. 6)
c. Remove the Fan together with the frame by lifting them up. (Fig. 6)

**8. Removal of Amp Unit**

a. Remove 2 push rivets (⑰) and then remove the Duct. (Fig. 6)
b. Remove 4 screws (⑱) and 4 screws (⑲). (Fig. 6)
c. Remove the Amp Unit. (Fig. 6)

**When checking the Amp Unit:**

- Put the Amp Unit together with the heat sink upright on the art base and check them.
- Reconnect all cables (connectors) that have been disconnected.
- When connecting the flat cable, use care for the polarity.

**7. ファンの外し方**

a. ⑭のプッシュリベット4本を外し、カバーを外します。(Fig. 6)
b. ⑮のネジ2本、⑯のネジ2本を外します。(Fig. 6)
c. ファンをフレームといっしょに上方に取り外します。(Fig. 6)

**8. アンプユニットの外し方**

a. ⑰のプッシュリベット2本を外し、ダクトを外します。(Fig. 6)
b. ⑱のネジ4本、⑲のネジ4本を外します。(Fig. 6)
f. アンプユニットを取り外します。(Fig. 6)

**アンプユニットをチェックする場合には**

- アンプユニットはヒートシンクといっしょに、アートベースの上に立ててチェックします。(Fig. 7)
- 外したケーブル(コネクター)をすべて接続してください。
- フラットケーブルを接続する際、極性に注意してください。

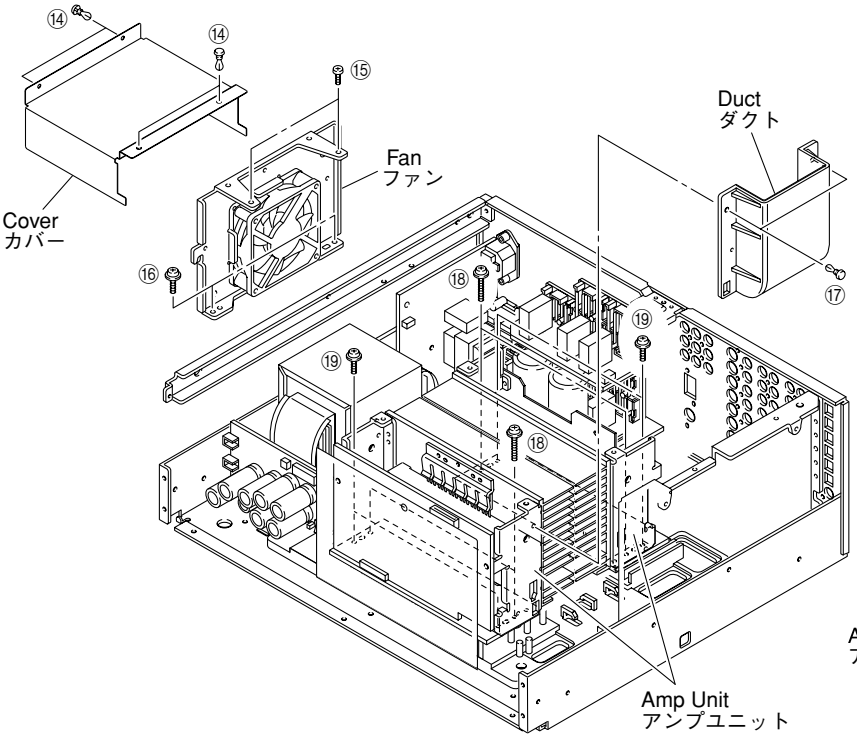



**Fig. 6**

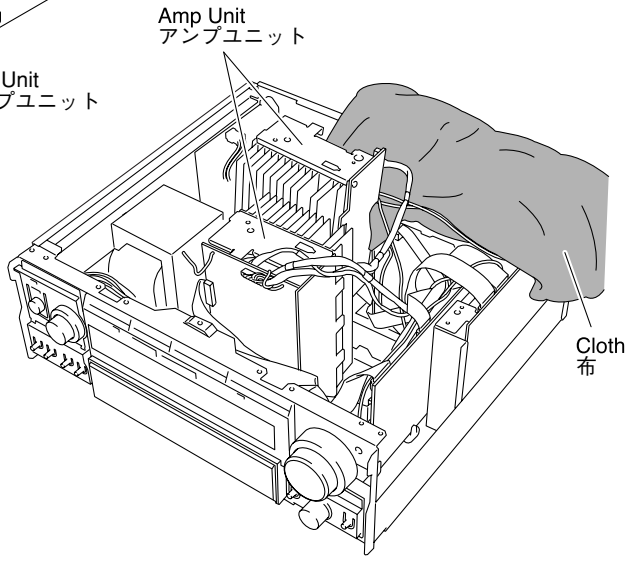



**Fig. 7**

# ■ UPDATING FIRMWARE / ファームウェアの書き込み

After replacing the IC512 on the FUNCTION P.C.B. with the service part (X4678A00), update the firmware according to the following procedure.

### Equipment required

- PC with RS-232C serial port (OS: Windows98/2000/Me/XP)
- Firmware loading program (Z9Boot.exe)
- Firmware (Vx400_xxxxx.mot)
- RS-232C cross cable "D-Sub 9-pin Female".

| | |
|---|---|
| Pin No.2 RxD | Pin No.2 RxD |
| Pin No.3 TxD | Pin No.3 TxD |
| Pin No.5 GND | Pin No.5 GND |
| Pin No.7 RTS | Pin No.7 RTS |
| Pin No.8 CTS | Pin No.8 CTS |

- RS-232C Conversion Adapter (Part #: AAX24910)

### Preparations

Download the firmware loading program and firmware from the specified download sources to the same directory of the PC for updating the firmware.

### Firmware updating procedure

1. With the power turned off, connect the RS-232C cross cable and RS-232C conversion adapter (only for RX-V1400/RX-V1400RDS/HTR-5690) between the PC and the RS-232C port of the unit as shown below.

FUNCTION P.C.B.のIC512をサービス部品(X4678A00)に交換した場合、下記の手順によりファームウェアの書き込みを行ってください。

### 必要なツール

- RS-232Cシリアルポート付きPC（OS: Windows 98/2000/Me/XP）
- ファームウェア書き込み用プログラム(Z9Boot.exe)
- ファームウェア(Vx400_xxxxx.mot)
- RS-232Cクロスケーブル“D-sub 9 pin メス”

（仕様）

| | |
|---|---|
| Pin No.2 RxD | Pin No.2 RxD |
| Pin No.3 TxD | Pin No.3 TxD |
| Pin No.5 GND | Pin No.5 GND |
| Pin No.7 RTS | Pin No.7 RTS |
| Pin No.8 CTS | Pin No.8 CTS |

- RS-232C変換アダプター(AAX24910)

### 準備

ファームウェア書き込み用プログラムおよびファームウェアを指定のダウンロード先からバージョンアップ用PCの同じディレクトリにダウンロードしてください。

### 操作

1. パワーオフ状態で、RS-232Cクロスケーブルおよび RS-232C変換アダプター(DSP-AX1400のみ)をPCと本機のRS-232Cポートに接続します。

**RX-V2400/RX-V2400RDS/**
**RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400**

**RX-V2400/RX-V2400RDS/DSP-AX2400**

2. After executing the firmware loading program, select the program type and port settings as follows:

2. ファームウェア書き込み用プログラムを立ち上げ、Program Typeおよびポート設定を選択します。

**Program Type Select**
Program Type: Vx400

**COM > SETTING Menu**

**Port Setting Dialog**
Port: Select proper port #
Bits per second: 9600
Data bits: 8
Parity: None
Stop bits: 1
Flow control: Hardware

3. Turn on the power to the unit.

3. 本機の電源をONします

4. To connect the line, click the CONNECT button or the COM menu, then click the CONNECT.

4. ラインに接続するためにCONNECTボタンまたはCOMメニューをクリックし、CONNECTをクリックします。

**COM > CONNECT Menu**

After connecting, the "Connected" message is displayed in the status bar.

接続された後、ステータスバーに“Connected”と表示されます。

5. To load the firmware, select the file to be loaded, click the Program Macro button, and then click the Open button.

**<CAUTION>**
Never disconnect the power cable of the unit while loading the firmware, or the flash ROM data may be destroyed.

5. 書き込むファームウェアファイルを選択し、Program Macroボタンをクリックし、OPENボタンをクリックします。書き込みが開始されます。

＜注意＞
書き込み中に本機の電源コードは絶対に抜かないでください。誤って書き込み中に電源コードを抜いた場合、フラッシュROMのデータが破壊されます。

6. When the firmware loading is finished, the checksum information will be displayed on the information box.

6. ファームウェア書き込み終了後、チェックサム情報が表示されます

7. To disconnect the line, click the BREAK button or click the COM menu, then click the BREAK.

7. ライン接続を解除するために、BREAKボタンまたはCOM Menuをクリックし、BREAKをクリックします。

**COM > BREAK Menu**

For more information, access to the “FIRMWARE UPDATE PROCEDURES” on the WEB SITE.

なお、より詳細な情報が必要な場合は、WEB SITEにあるFIRMWARE UPDATE PROCEDURESにアクセスしてください。

# ■ SELF DIAGNOSIS FUNCTION (DIAG)／自己診断機能（ダイアグ）

There are 18 DIAG menu items, each of which has sub-menu items. Listed in the table below are menu items and sub-menu items.

ダイアグメニューは18個あり、そのそれぞれにサブメニューがあります。下表はメニュー一覧です。

| No | DIAG menu | sub-menu |
|---|---|---|
| 1 | DA601-YSS930<br>1.YSS 0dB | 1. YSS 0dB |
| | | 2. YSS FULL BIT |
| 2 | BYPASS<br>2.ANALOG BYPAS | 1. ANALOG BYPASS |
| | | 2. DSP BYPASS |
| 3 | RAM THROUGH<br>3.RAM 0dB | 1. RAM 0dB |
| | | 2. FRONT ATT |
| 4 | PRO LOGIC / NEO6<br>4.PRO LOGIC I | 1. PRO LOGIC I |
| | | 2. PRO LOGIC II |
| | | 3. NEO: 6 |
| 5 | SPEAKER SET<br>5.FRNT:SML 0dB | 1. FRONT: SMALL 0dB |
| | | 2. CENTER: NONE |
| | | 3. LFE/BASS: FRONT |
| | | 4. PRESS MIX: 5ch |
| | | 5. SURROUND B: MUTE |
| | | 6. SURROUND LR: MUTE |
| | | 7. SURROUND LR: NONE |
| 6 | EXTERNAL INPUT<br>6.6CH INPUT_6 | 1. 6CH_INPUT_6OHMS |
| | | 2. 6CH_INPUT_8OHMS |
| | | 3. 8CH_INPUT_6OHMS |
| | | 4. 8CH_INPUT_8OHMS |
| 7 | MIC CHECK 7.MIC CHECK | MIC CHECK |
| 8 | EFFECT OFF/<br>DISPLAY CHECK<br>8. VFD CHECK | 1. VFD CHECK (Initial display / 初期表示) |
| | | 2. VFD DISP OFF (All segments OFF / 全セグメント消灯) |
| | | 3. VFD DISP ALL (All segments ON 100% / 全セグメント点灯100%) |
| | | 4. VFD DIMMER (All segments ON 50% / 全セグメント点灯50%) |
| | | 5. CHECKED PATTERN (ON in lattice / 格子状点灯) |
| 9 | MANUAL TEST<br>9. TEST ALL | 1. TEST ALL |
| | | 2. TEST FRONT L |
| | | 3. TEST CENTER |
| | | 4. TEST FRONT R |
| | | 5. TEST SURROUND R |
| | | 6. TEST SURROUND B |
| | | 7. TEST SURROUND L |
| | | 8. TEST PRESENCE L |
| | | 9. TEST PRESENCE R |
| | | 10. TEST LFE |
| 10 | RS-232C<br>10 TxRxData:XX | 1. TX DATA |
| | | 2. HARD FLOW |
| 11 | FACTORY PRESET<br>11 PRESET INHI | 1. PRESET INHIBIT (memory initialization inhibited / メモリーの初期化禁止) |
| | | 2. PRESET RESERVED (memory initialized / メモリーの初期化) |

| No | DIAG menu | sub-menu | |
|---|---|---|---|
| 12 | AD DATA CHECK /FAN TEST `DC:007 PS:025` | 1. DC/PS (protection) | |
| | | 2. THM/FAN OUT | |
| | | 3. REC-OUT | |
| | | 4. IMP SW/POWER LIMIT | |
| | | 5. K0/K1 (panel key) | |
| | | 6. FAN DRIVE TEST: HIGH (Fan test only applies to models with a fan. / ファン装備モデルに適用) | |
| | | 7. FAN DRIVE TEST: MID (Fan test only applies to models with a fan. / ファン装備モデルに適用) | |
| | | 8. FAN DRIVE TEST: LOW (Fan test only applies to models with a fan. / ファン装備モデルに適用) | |
| 13 | V CONV STATUS `L:XXXXXXXX` | 1. LOW BYTE DATA | |
| | | 2. HIGH BYTE DATA (Not applied to these models. / このモデルには適用されません。) | |
| 14 | IF STATUS `IS1:440308C000` | 1. IS 1 | (5 Byte) |
| | | 2. IS 2 | (3 Byte) |
| | | 3. CS 1 | (5 Byte) |
| | | 4. CS 2 | (5 Byte) |
| | | 5. CS 3 | (5 Byte) |
| | | 6. CS 4 | (5 Byte) |
| | | 7. CS 5 | (4 Byte) |
| | | 8. BS1 | (5 Byte) |
| | | 9. BS2 | (5 Byte) |
| | | 10. BS3 | (5 Byte) |
| | | 11. BS4 | (5 Byte) |
| | | 12. BS5 | (5 Byte) |
| | | 13. TI1 | (5 Byte) |
| | | 14. TI2 | (1 Byte) |
| | | 15. MTT | (5 Byte) |
| 15 | DSP RAM CHECK `YSS BUS:NoEr` | 1. YSS930 BUS CHECK | |
| | | 2. SECOND DECODER BUS CHECK | |
| 16 | PROTECTION SET | Not applied to these models. / このモデルには適用されません。 | |
| 17 | SOFT SW `17.SW :PCB` | 1. SW MODE | |
| | | 2. MODEL SETTING | |
| | | 3. TUNER DESTINATION | |
| | | 4. TUNER EXIST | |
| | | 5. RDS EXIST | |
| | | 6. ZONE 2 EXIST | |
| | | 7. VIDEO FORMAT | |
| 18 | ROM VERSION/CHECK SUM/ PORT `VER. XXXXXXXX` | 1. VERSION | |
| | | 2. SUM ALL/PROGRAM | |
| | | 3. SUM 232C BOOT/MAKER BOOT | |
| | | 4. PORT | |
| | | 5. AAC PORT | |

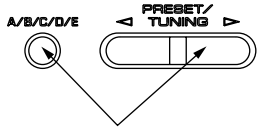
## • Starting DIAG

Press the “STANDBY/ON” key while simultaneously pressing those two keys of the main unit as indicated in the figure below.

## ● ダイアグの起動

本体の下図に示すキーを同時に押しながら“STANDBY/ON”キーを押すと、ダイアグが起動します。

Keys of main unit / 本体キー




Turn on the power while pressing these keys.
これらのキーを同時に押しながら、パワーオンする。

## • Starting DIAG in the protection cancel mode

If the protection function works and causes hindrance to trouble diagnosis, cancel the protection function as described below, and it will be possible to enter the DIAG mode. (The protection functions other than the excess current detect function will be disabled.)

Press the “STANDBY/ON” key while simultaneously pressing those two keys indicated in the figure above. At this time, keep pressing those two keys for 3 seconds or longer.

In this mode, the “SLEEP” segment of the FL display of the main unit flashes to indicate that the mode is DIAG mode with the protection functions disabled.

**CAUTION!**
Using this product with the protection function disabled may cause damage to itself. Use special care for this point when using this mode.

## ● プロテクション解除モードでの起動

プロテクションが動作することにより、故障箇所の診断に支障をきたすような場合は、次の方法によりプロテクションを解除した状態でダイアグモードに入ることができます。（過電流検出以外のプロテクション動作を解除する）

上図のキーを同時に押しながら“STANDBY/ON”キーを押します。このとき、上図のキーを3秒以上押し続けてください。

このモードでは本体FLの“SLEEP”セグメントが点滅し、プロテクションを解除した状態でのダイアグモードであることを知らせます。

**注意！**
**プロテクションを解除した状態でのダイアグモードは、危険な状態でもプロテクションが作動しないため、動作させると、機器を破壊することがあります。このモードを使用する場合は十分注意してください。**

## • Canceling DIAG

[1] Before canceling DIAG, execute setting for PRESET of DIAG menu No.11 (Memory initialization inhibited or Memory initialized).
* In order to keep the user memory stored, be sure to select PRESET INHIBIT (Memory initialization inhibited). Any protection history will remain in memory.
[2] Turn off the power by pressing the “STANDBY/ON” key of the main unit or the “STANDBY” key of the remote controller.

## ● ダイアグの解除

① ダイアグを解除する前に、ダイアグメニューNo.11のFACTORY PRESET（メモリーの初期化禁止/またはメモリーの初期化）の設定をします。
※ ユーザーメモリーを保持したい場合は、必ずPRESET INHIBIT（メモリー初期化禁止）を選択してください。
② 本体の“STANDBY/ON”キーかリモコンの“STANDBY”キーを押し、パワーオフにします。

## • Display provided when DIAG started

When the monitor is connected, DIAGNOSTIC MENU appears on its screen as shown in the figure. (It remains on display until DIAG is cancelled.)

## ● ダイアグ起動時の表示

モニターを接続してある場合は、モニターの画面に図のようにダイアグメニューの一覧が表示されます。(ダイアグを解除するまで、この表示が保持されます)

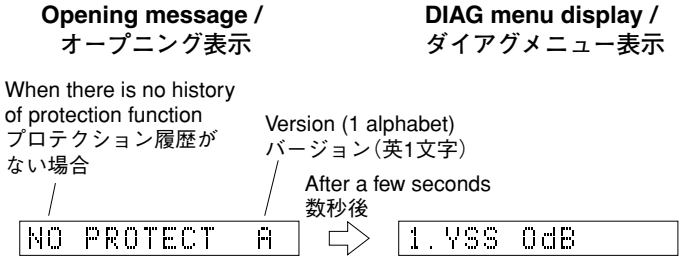
```
DIAGNOSTIC MENU
1.DSP THR     10.RS232C
2.BYPASS      11.PRESET
3.RAM THR     12.AD/FAN
4.PRO LOGIC   13.VC STATUS
5.SP SET      14.IF STATUS
6.EXT_INPUT   15.DSP RAM
7.MIC CHECK   16.PRT SET
8.VFD CHECK   17.SOFT SW
9.MAN'LTEST   18.VER/SUM/P
```

The FL display of the main unit displays the protection function history data and the version (1 alphabet) and the DIAG menu [sub-menu (YSS 0dB) of DIAG menu No.1 DSP THROUGH] a few seconds later.

本体のFLディスプレイにプロテクション履歴情報とバージョン(英1文字)が表示され、数秒後にダイアグメニュー(No.1 DSP THROUGHのサブメニューYSS 0dB)になります。

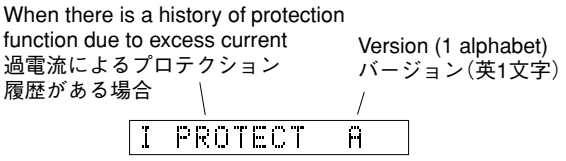
**When there is no history of protection function:**

**プロテクション履歴がない場合:**




**When there is a history of protection function:**

**プロテクション履歴がある場合:**



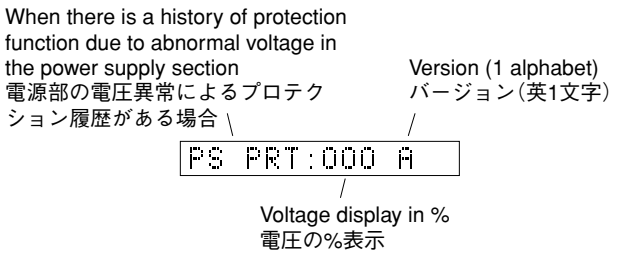

**Cause:** An excessive current flowed through the power amplifier.

Turning on the power without correcting the abnormality will cause the protection function to work immediately and the power supply will instantly be shut off.

原因：パワーアンプに過電流が流れた。
補足：パワートランジスタの電流を検出していますので、電流検出トランジスタをチェックすれば異常チャンネルが特定できます。
異常状態のままパワーオンすると、瞬時にプロテクションがかかり、すぐに電源が切れます。

**Note)**

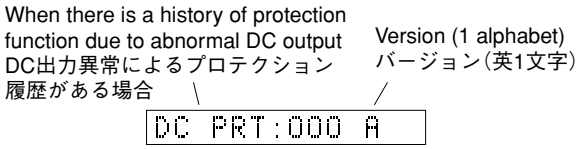
- Applying the power to a unit without correcting the abnormality can be dangerous and cause additional circuit damage.
- The output transistors in each amplifier channel should be checked for damage before applying any power.
- Amplifier current should be monitored by measuring across the emitter resistors for each channel.




**Cause:** The voltage in the power supply section is abnormal.
**Supplementary information:** The abnormal voltage is displayed in % based on 5V as 100%.

Turning on the power without correcting the abnormality will cause the protection function to work 1 second later and the power supply will be shut off.

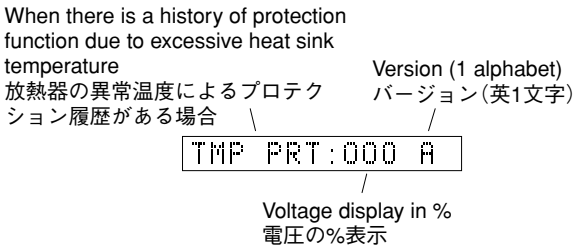
原因：電源部の電圧が異常。
補足：異常時の電圧の状態を、5Vを100%とした値で%表示します。
異常状態のままパワーオンすると、1秒後にプロテクションがかかり、電源が切れます。




**Cause:** DC output of the power amplifier is abnormal.
**Supplementary information:** The abnormal voltage is displayed in % based on 5V as 100%.

Turning on the power without correcting the abnormality will cause the protection function to work 3 seconds later and the power supply will be shut off.

原因：パワーアンプのDC出力が異常。
補足：異常時の電圧の状態を、5Vを100%とした値で%表示します。
異常状態のままパワーオンすると、3秒後にプロテクションがかかり、電源が切れます。




**Cause:** The temperature of the heat sink is excessive.
**Supplementary information:** The abnormal voltage is displayed in % based on 5V as 500%.

Turning on the power without correcting the abnormality will cause the protection function to work 1 second later and the power supply will be shut off.

* Additional causes of protection can be due to loose connections, associated components, CPU, etc.
* For the protection voltage value, refer to DIAG menu No.12 described later.

原因：放熱器の温度が異常。
補足：異常時の電圧の状態を、5Vを500%とした値で%表示します。
異常状態のままパワーオンすると、1秒後にプロテクションがかかり、電源が切れます。

※ 前記の異常原因の他に、コネクターのはずれやCPU周辺などに原因がある場合があります。
※ プロテクションの電圧値に関しては、後述のダイアグメニューNo.12を参照してください。

**• History of protection function**

When the protection function has worked, its history is stored in memory with a backup. Even if no abnormality is noted while servicing the unit, an abnormality which has occurred previously can be defined as long as the backup data has been stored.
The history of the protection function is cleared when DIAG is cancelled by selecting PRESET RESERVED (Memory initialized) of DIAG menu No. 11 or when the backup data is erased.

● プロテクションの履歴

プロテクションが働いた場合、履歴をバックアップして記憶しています。サービスのときに異常が認められなくても、バックアップが残っていれば、お客様のところで起きた異常を区別できます。
プロテクションの履歴は、ダイアグメニューNo.11でPRESET RESERVED(メモリーの初期化)を選んでダイアグを解除した場合や、バックアップが消えたときにはクリアされます。

## • Display during menu operation

During the DIAG operation, the menu list described in the section of the startup screen appears on the superimposed screen and the function at work is indicated on the FL indicator. The contents displayed during the function operation are described in the later section on details of functions.

## ● メニュー動作中の表示

ダイアグ中、モニター画面には起動画面の項で説明したメニュー一覧が表示されます。本体のFLディスプレイには動作中の機能が表示されます。機能動作中の表示内容については、後述の機能詳細で記述します。

## • Operation procedure of DIAG menu and SUB-MENU

There are 18 MENU items, each of which has some SUB-MENU items.

**DIAG menu selection**

Select the menu using PROGRAM knob.

**SUB-MENU selection**

Select the sub-menu using ▷ (Forward) and ◁ (Reverse) keys of PRESET/TUNING.

## ● ダイアグメニューとサブメニューの操作

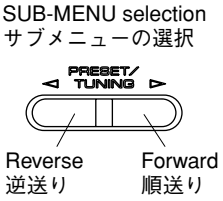
ダイアグにはNo.1～18のメニューがあり、そのそれぞれにサブメニューがあります。

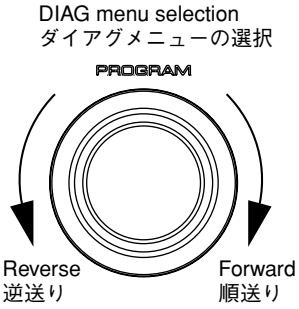
### ダイアグメニューの選択

PROGRAMツマミで選択します。

### サブメニューの選択

PRESET/TUNING ▷ (順送り), ◁ (逆送り)キーで選択します。



## • Functions in DIAG mode

In addition to the DIAG menu items, functions as listed below are available.

- Input selection, Multi channel input
- Center/Surround/Surround Back/Sub-woofer level adjustment
- Muting
- Speaker relay A/B
- Power on/off
- Master volume

* Functions related to the tuner and the set menu are not available.

* It is possible to confirm Menu No.14 IF STATUS while keeping the signal process (operation status) of each DIAG menu by using the input mode key of the main unit.

## • Initial settings used to start DIAG

The following initial settings are used when starting DIAG. When DIAG is canceled, these settings are restored to those before starting DIAG.

- Master volume: -20dB
- Input: DVD (MULTI CHANNEL INPUT OFF)
- Effect level: 0dB
- Audio mute: OFF
- Speaker relay A/B: ON
- Speaker setting: LARGE / BASS OUT = BOTH
- DIAG menu: DA601-YSS930 (1. YSS 0dB)

## ● ダイアグ中の機能

ダイアグメニューの他に、以下の機能が動作します。

・インプット切り換え、マルチチャンネルインプット
・センター、サラウンド、サラウンドバック、サブウーファーレベル調整
・ミューティング
・スピーカーリレーA/B
・パワーオン/オフ
・マスターボリューム

※ チューナー関連、セットメニュー関連は機能しません。
※ 本体のINPUT MODEキーにより、各ダイアグメニューの信号処理(動作状態)を維持したままメニューNo.14 “IF STATUS”の確認ができます。

## ● ダイアグ開始時の初期設定

ダイアグ開始時に以下のような設定になります。ダイアグ解除時にはダイアグ開始前の状態に戻ります。

・マスターボリューム: -20dB
・インプット: DVD（マルチチャンネルINPUT オフ）
・エフェクトレベル: 0dB
・オーディオミュート: オフ
・スピーカーリレーA/B: オン
・スピーカー設定: LARGE / BASS OUT=BOTH
・ダイアグメニュー: DA601-YSS930（1. YSS 0dB）

## • Details of DIAG menu

With full-bit output specified in some modes, it is possible to execute 0dBFS output without head margin in each channel.

### 1. DA601-YSS930

This function is for YSS930 only. Main DSP of YSS930 is selected for FRONT output.
Using the sub-menu, it is possible to select 0dB output level or full-bit output.

**YSS 0dB**

- The signal is output including the head margin.

1.YSS 0dB

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Both ch, -20 dBm | +6.5 dB | -16.3 dBm | -16.3 dBm | -16.8 dBm | -17.0 dBm | -17.0 dBm |

**YSS FULL BIT**

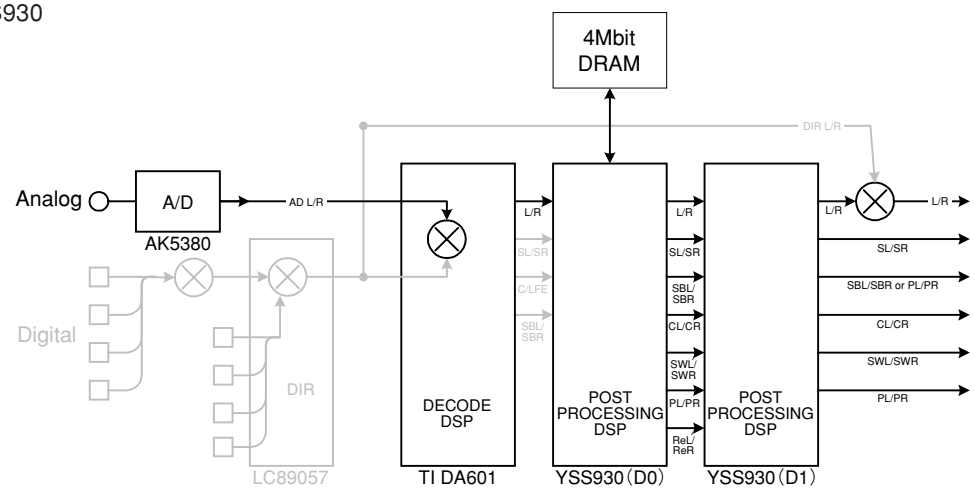
- The signal is output in digital full bit without including the head margin.
- The SWFR signal is output but not in digital full bit.

1.YSS FULL BIT

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Both ch, -20 dBm | +6.5 dB | -16.3 dBm | -16.3 dBm | -16.8 dBm | -17.0 dBm | -17.0 dBm |

DA601-YSS930
(ANALOG)




(Shaded items not used in this example)

## ● ダイアグメニュー詳細

一部のモードでフルビット指定することで、各チャンネルのヘッドマージンを廃して0dBFS出力することが可能です。

### 1. DA601-YSS930

YSS930のみの動作です。FRONT出力にはYSS930のMain DSPが選択されます。
サブメニューにより、出力レベル0dB、フルビット出力が選択可能です。

**YSS 0dB**

・ ヘッドマージンを含んで出力されます。

**YSS FULL BIT**

・ ヘッドマージンを含まず、デジタルフルビットで出力されます。
・ SWFRは出力されますが、デジタルフルビットではありません。

## 2. BYPASS

### ANALOG BYPASS

2. BYPASS

ANALOG BYPASS

2. ANALOG BYPAS

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Both ch, -20 dBm | +6.5 dB | -15.7 dBm | - ∞ | - ∞ | - ∞ | - ∞ |

### DSP BYPASS

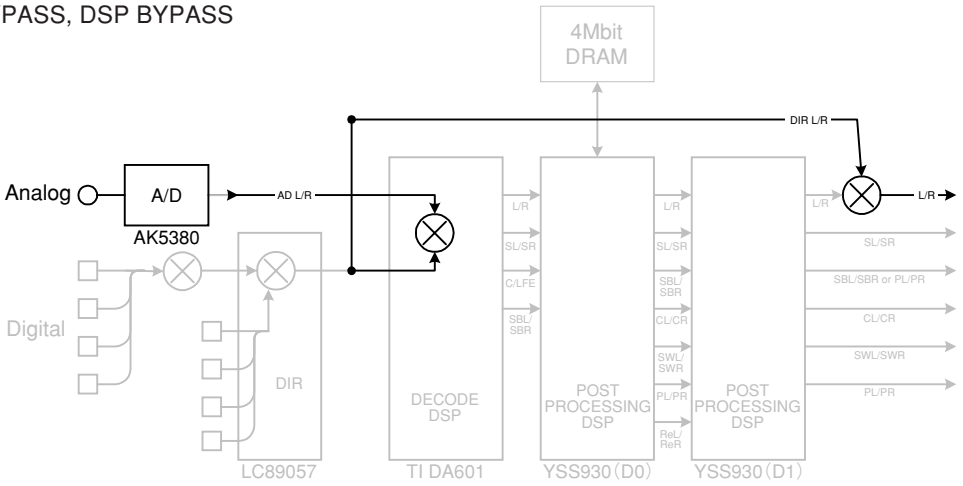
DSP BYPASS

2. DSP BYPASS

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

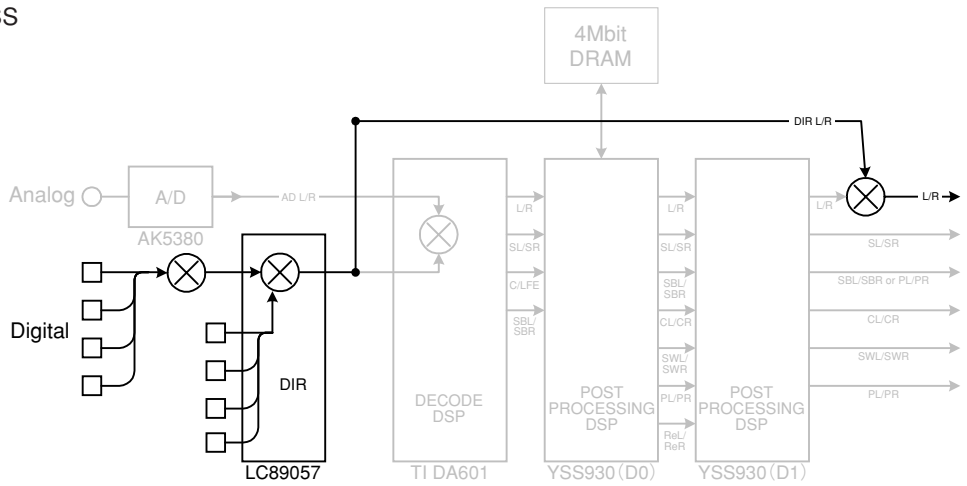
| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Both ch, -20 dBm | +6.5 dB | - ∞ | - ∞ | - ∞ | - ∞ | - ∞ |

ANALOG BYPASS, DSP BYPASS
(ANALOG)




(Shaded items not used in this example)

DSP BYPASS
(DIGITAL)




(Shaded items not used in this example)

### 3. RAM THROUGH

Using the sub-menu, it is possible to select the full-bit output at 0dB output level.

### 3. RAM THROUGH

サブメニューにより出力レベル0dB、フルビット出力が選択可能です。

**RAM 0dB**

**RAM 0dB**

3. RAM 0dB

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Both ch, -20 dBm | +6.5 dB | -16.3 dBm | -16.2 dBm | -17.0 dBm | -17.0 dBm | -17.0 dBm |

**FRONT ATT**

- MAIN -9dB

**FRONT ATT**

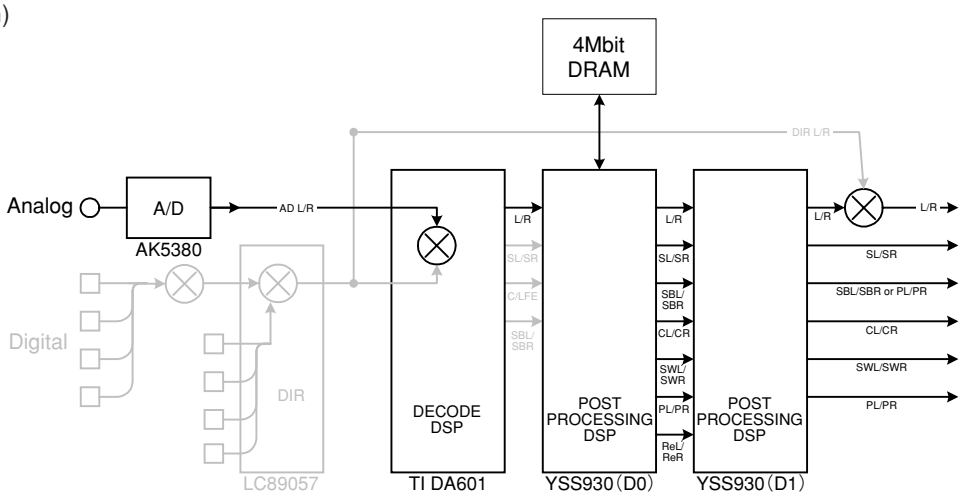
・MAIN -9dB

3. FRONT ATT

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Both ch, -20 dBm | +6.5 dB | -25.0 dBm | -16.2 dBm | -17.0 dBm | -17.0 dBm | -17.0 dBm |

RAM THROUGH
(ANALOG)




(Shaded items not used in this example)

## 4. PRO LOGIC / NEO6

### PRO LOGIC I

4. PRO LOGIC I

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Each ch, -20 dBm | +6.5 dB | -16.3 dBm | - ∞ | - ∞ | - ∞ | - ∞ |
| Both ch, -20 dBm | +6.5 dB | - ∞ | -13.4 dBm | - ∞ | - ∞ | - ∞ |

### PRO LOGIC II

4. PRO LOGIC II

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Each ch, -20 dBm | +6.5 dB | -16.3 dBm | - ∞ | - ∞ | - ∞ | - ∞ |
| Both ch, -20 dBm | +6.5 dB | - ∞ | -13.4 dBm | - ∞ | - ∞ | - ∞ |

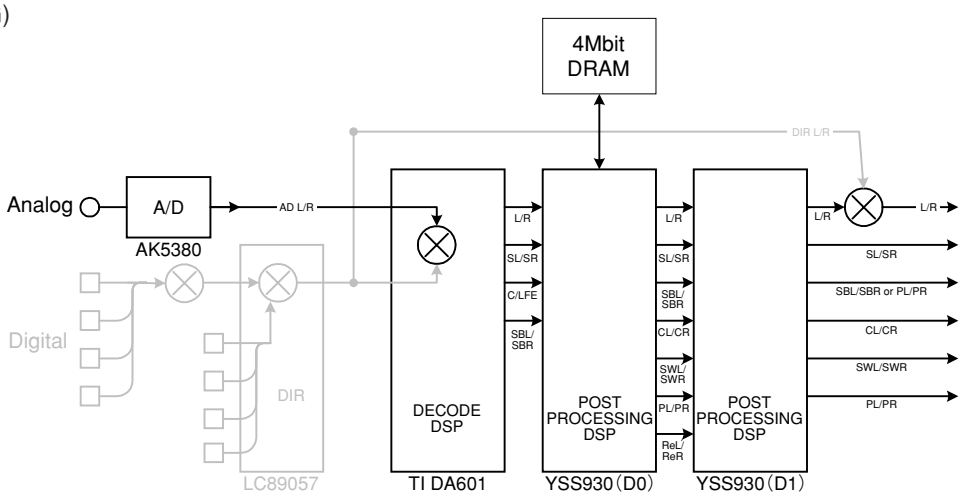
### Neo:6

4. Neo:6

Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|
| | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| Each ch, -20 dBm | +6.5 dB | -16.3 dBm | - ∞ | - ∞ | - ∞ | - ∞ |
| Both ch, -20 dBm | +6.5 dB | - ∞ | -13.4 dBm | - ∞ | - ∞ | - ∞ |

PRO LOGIC/NEO:6
(ANALOG)




(Shaded items not used in this example)

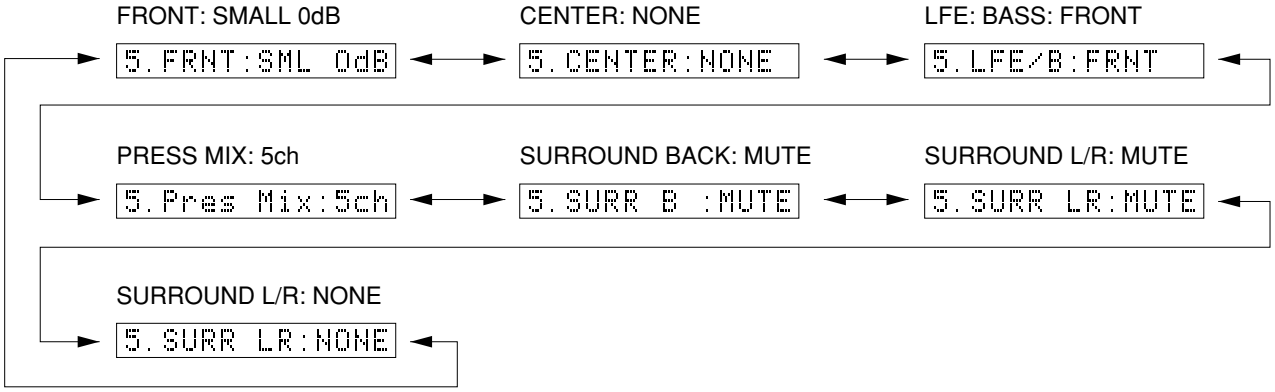
## 5. SPEAKERS SET

The input signal is automatically identified in the order of dts → DOLBY DIGITAL → AAC→ PCM → Analog. There are seven sub-menu items as follows. The signals output from the DSP block are the same as 1. DA601-YSS930: YSS 0dB.

## 5. SPEAKERS SET

入力は、DTS → DOLBY DIGITAL → AAC → PCM → アナログの優先順で自動判別されます。

サブメニューは以下の7つあります。
DSP部からは、No.1 DA601-YSS930のYSS 0dBと同様の信号が出力されます。




The analog switch settings for each sub-menu are as shown in the table below.

各サブメニューにおけるアナログスイッチの設定は以下の通りです。

| Sub-menu | | CENTER SP | SURROUND SP | FRONT SP | LFE/BASS |
|---|---|---|---|---|---|
| 1 | FRONT: SMALL 0dB | LARGE | LARGE | SMALL | SWFR |
| 2 | CENTER: NONE | NONE | LARGE | LARGE | SWFR |
| 3 | LFE/BASS: FRONT | SMALL | SMALL | LARGE | MAIN |
| 4 | PRESS MIX: 5CH | LARGE | LARGE | LARGE | SWFR |
| 5 | SURROUND BACK: MUTE | LARGE | LARGE | LARGE | SWFR |
| 6 | SURROUND: MUTE | LARGE | LARGE | LARGE | SWFR |
| 7 | SURROUND: NONE | LARGE | NONE | LARGE | SWFR |

LARGE: This mode is used with a speaker with high bass reproduction performance (a large unit). Full bandwidth signals are output.

SMALL: This mode is used with a speaker with low bass reproduction performance (a small unit). The signals of 90Hz or less are mixed into the channel specified by LFE/BASS.

NONE: This mode is used with no center speaker. The center content is reduced by 3dB and distributed to FRONT L/R.

LARGE： 低音再生能力の高い(ユニットの大きい)スピーカーを使用するモードです。全帯域が出力されます。

SMALL： 低音再生能力の低い(ユニットの小さい)スピーカーを使用するモードです。90Hz以下がLFE/BASSで指定したチャンネルにミックスされます。

NONE： スピーカーを使用しないモードです。センター成分は-3dBされて、FRONT L/Rに振り分けられます。

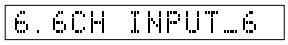
Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Sub-menu | | Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| 1 | FRONT: SMALL 0dB | 1 kHz Both ch, -20 dBm | +6.5 dB | -16.3 dBm | -16.3 dBm | -17.0 dBm | -17.0 dBm | -17.0 dBm |
| 2 | CENTER: NONE | 1 kHz Both ch, -20 dBm | +6.5 dB | -20.0 dBm | - ∞ | -17.0 dBm | -17.0 dBm | -17.0 dBm |
| 3 | LFE/BASS: FRONT | 1 kHz Both ch, -20 dBm | +6.5 dB | -16.2 dBm | -16.2 dBm | -16.7 dBm | -16.7 dBm | - ∞ |
| | | 50 Hz Both ch, -20 dBm | +6.5 dB | -5.7 dBm | -26.0 dBm | -26.0 dBm | -26.0 dBm | - ∞ |
| 4 | PRESS MIX: 5CH | 1 kHz Both ch, -20 dBm | +6.5 dB | -16.3 dBm | -16.3 dBm | -17.0 dBm | -17.0 dBm | -17.0 dBm |
| 5 | SURROUND BACK: MUTE | 1 kHz Both ch, -20 dBm | +6.5 dB | -16.3 dBm | -16.3 dBm | -17.0 dBm | -17.0 dBm | -17.0 dBm |
| 6 | SURROUND: MUTE | 1 kHz Both ch, -20 dBm | +6.5 dB | -16.3 dBm | -16.3 dBm | - ∞ | -17.0 dBm | -17.0 dBm |
| 7 | SURROUND: NONE | 1 kHz Both ch, -20 dBm | +6.5 dB | -17.3 dBm | -16.3 dBm | - ∞ | -17.0 dBm | -17.0 dBm |

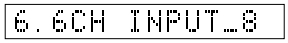
## 6. EXTERNAL INPUT

It is possible to select the 6ch/8ch input and 6_/8_ by using the SUB menu.

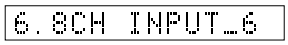
**6CH_INPUT_6OHMS**



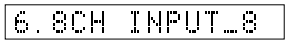

**6CH_INPUT_8OHMS**




**8CH_INPUT_6OHMS**




**8CH_INPUT_8OHMS**




## 6. EXTERNAL INPUT

サブメニューにより、6ch/8ch入力および6Ω/8Ωが選択可能です。

6CH_INPUT_6OHMS




6CH_INPUT_8OHMS




8CH_INPUT_6OHMS




8CH_INPUT_8OHMS




Reference data
INPUT: DVD ANALOG
SUBWOOFER: 50Hz, Others: 1kHz

| Sub-menu | | Input level | Volume | PRE OUTPUT | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | FRONT | CENTER | SURROUND | SURROUND BACK | SUBWOOFER |
| 1 | 6CH_INPUT_6ohms | Both ch, -20 dBm | +6.5 dB | -16.0 dBm | -15.8 dBm | -16.0 dBm | - ∞ | - ∞ |
| 2 | 6CH_INPUT_8ohms | Both ch, -20 dBm | +6.5 dB | -16.0 dBm | -15.8 dBm | -16.0 dBm | - ∞ | - ∞ |
| 3 | 8CH_INPUT_6ohms | Both ch, -20 dBm | +6.5 dB | -15.7 dBm | -15.8 dBm | -16.0 dBm | - ∞ | - ∞ |
| 4 | 8CH_INPUT_8ohms | Both ch, -20 dBm | +6.5 dB | -15.7 dBm | -15.8 dBm | -16.0 dBm | - ∞ | - ∞ |

## 7. MIC CHECK

The signals inputted through the microphone are output via A/D - D/A.

## 7. MIC CHECK

マイク入力された信号をA/D－D/A経由で出力します。

## 8. EFFECT OFF / DISPLAY CHECK

This program is used to check the FL display section. The display condition varies as shown below according to the sub-menu operation. The signals are processed using EFFECT OFF (The L/R signal is output using ANALOG MAIN BYPASS.)

The video signal internal/external synchronization switching is controlled by the microprocessor. When the initial message is displayed and all the FL segments light up, it is switched to the internal synchronization but other than that it is forced to the external synchronization setting.

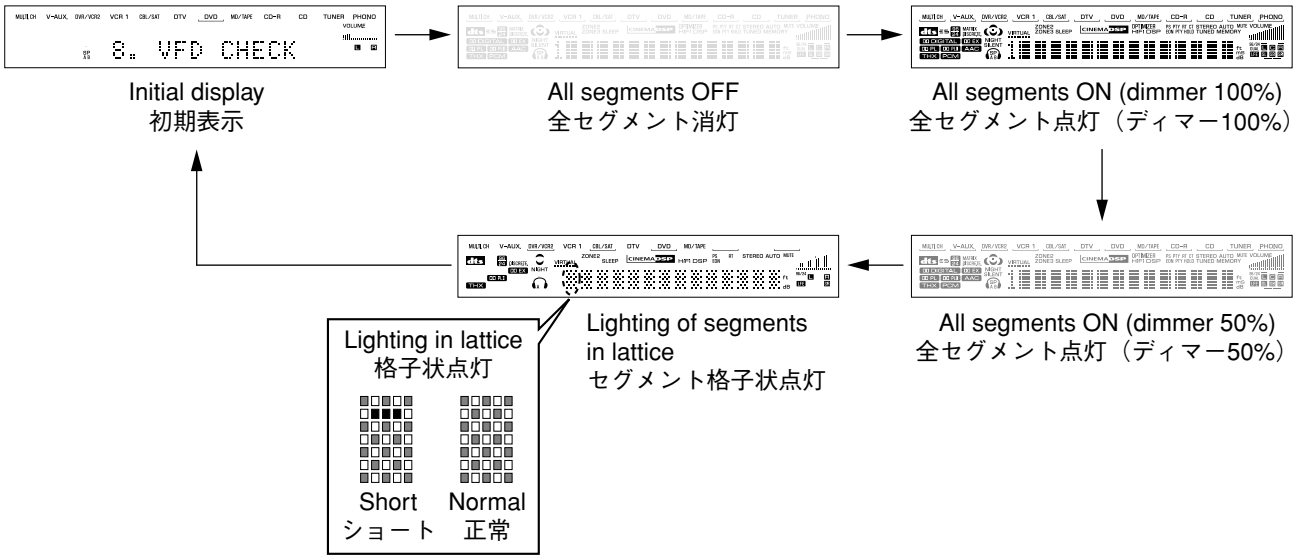
Also, except for the initial display, 128 pictographs for checking the OSD driver are used for the video signal output display.

## 8. EFFECT OFF / DISPLAY CHECK

FL表示部のチェックプログラムです。サブメニュー操作により、表示状態が以下のように変わります。

信号処理はEFFECT OFF（ANALOG MAIN BYPASSでL/Rを出力）です。マイコン制御による映像信号の内部/外部同期切替は、初期表示とFL全点灯時に内部同期となり、それ以外は強制外部同期となります。

また、初期表示以外で映像出力にOSDドライバー確認用128絵文字表示が出ます。




Segment conditions of the FL driver and the FL tube are checked by turning ON and OFF all segments. Next, the operation of the FL driver is checked by using the dimmer control. Then a short between segments next to each other is checked by turning ON and OFF all segments alternately (in lattice). (In the above example, the segments in the second row from the top are shorted.)

全セグメント消灯・全セグメント点灯によりFLドライバー、FL管のセグメントの不良を確認します。

次に、ディマーコントロールによってFLドライバーの動作チェックを行います。

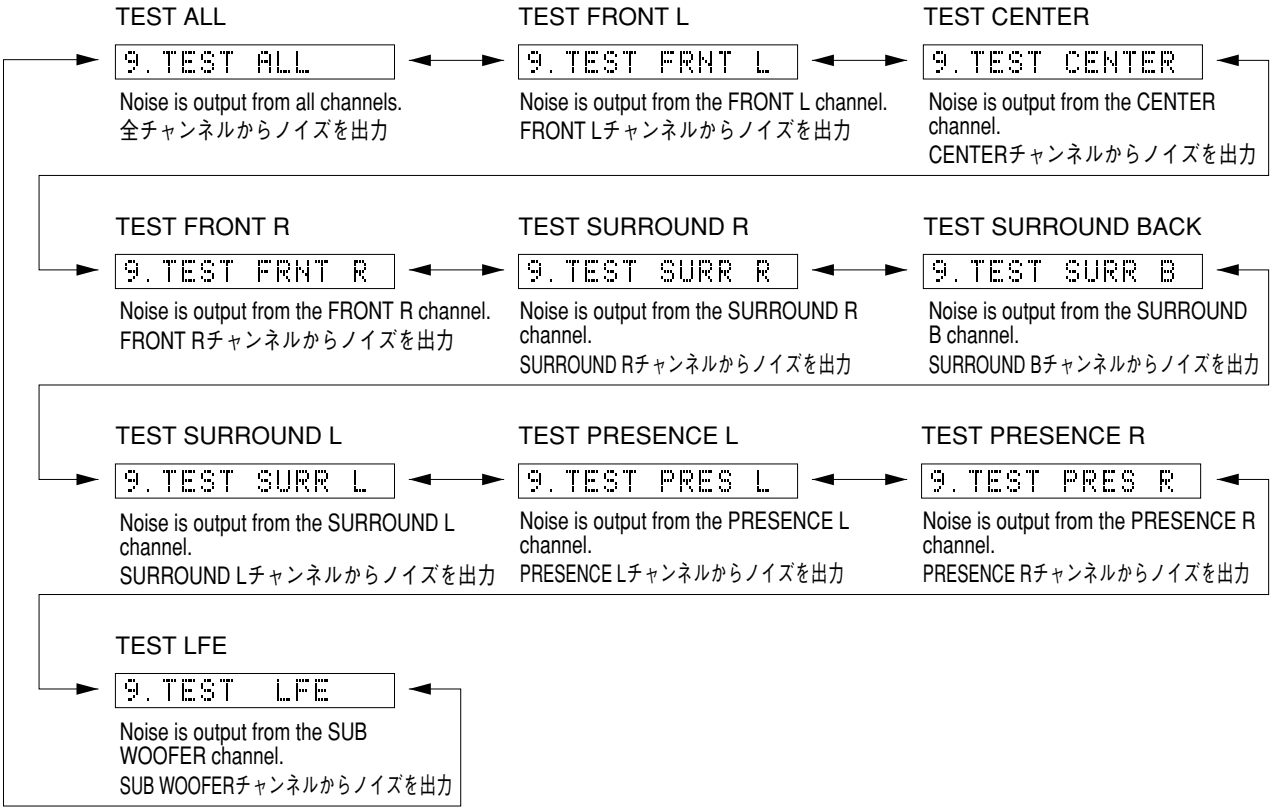
さらに全セグメントを交互（格子状）に点灯/消灯することで、隣り合うセグメントのショートをチェックします。

## 9. MANUAL TEST

The noise generator with a built-in DSP outputs the test noise through the channels specified by the sub-menu. The noise frequency for LFE is 35 to 250 Hz. Other than that, the center frequency is 800Hz.

## 9. MANUAL TEST

DSP内蔵のノイズ発生回路によって、サブメニューで指定したチャンネルへテストノイズを出力します。
LFE用のノイズ周波数は35～250Hz、それ以外は中心周波数800Hzとなります。

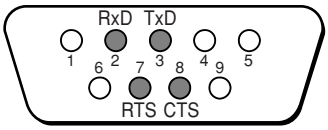


## 10. RS-232C

RX-V2400/RX-V2400RDS/DSP-AX2400 only.
This menu is used to check transmission of the data and the flow port of the hardware.
With the power turned off, short between pins No.2 (RxD) and No.3 (TxD), and between pins No.7 (RTS) and No.8 (CTS) of the RS-232C terminal. (Be sure to turn off the power when shorting the pins.)
Start DIAG and select the menu.
There are two sub-menu items.

## 10. RS-232C

RX-V2400/RX-V2400RDS/DSP-AX2400で使用します。。
データ送受信チェック、ハードウェアフローポートチェックを行うメニューです。
パワーオフ状態にしてから、RS-232C端子の2ピン（RxD）と3ピン（TxD）、7ピン（RTS）と8ピン（CTS）をショートさせます。（ショートさせるときは必ず電源を切ってください。）
ダイアグを起動してメニューを選択します。
サブメニューは2つあります。




### TxD/RxD DATA

The sub-menu is used to check transmission of the test data. “OK” appears when the data is transmitted properly and “NG” when it is not.
In this mode, NULL command transmission is continued after the test command is transmitted.

### TxRx Data

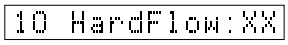
テストの送受信チェックを行います。正常に送受信完了した場合、“OK”と表示します。正常に送受信しなかった場合は“NG”と表示します。
このモードでは、テストコマンド送信後、200msごとにNULLコマンド（無効なコマンド）を送信し続けます。

### HARD FLOW

This sub-menu is used to check operation of the flow port of the hardware. “OK” appears when the check result is satisfactory and “NG” when it is not.

### Hard Flow

ハードウェアフローポートの動作チェックを行います。正常にチェック完了した場合、“OK”と表示します。正常にチェック完了しなかった場合は“NG”と表示します。

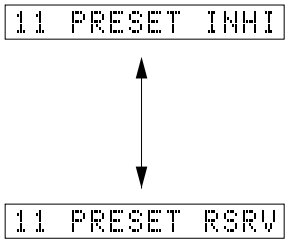


## 11. FACTORY PRESET

This menu is used to reserve and inhibit initialization of the back-up RAM. The signals are processed using EFFECT OFF. (The L/R signal is output using ANALOG MAIN BYPASS.)

## 11. FACTORY PRESET

バックアップ用RAM（音場プログラムのパラメーターやセットメニュー内容等）の初期化を予約/禁止します。信号処理はEFFECT OFFと同じです（ANALOG MAIN BYPASSで、L/Rを出力）。




**PRESET INHIBIT** (Initialization inhibited) / PRESET INHIBIT（初期化禁止）
RAM initialization is not executed. Select this sub-menu to protect the values set by the user.
RAMの初期化は行われません。ユーザーの設定値を保護するときは、こちらを選択してください。

**PRESET RESERVED** (Initialization reserved) / PRESET RESERVED（初期化予約）
Initialization of the back-up RAM is reserved. (Actually, initialization is executed the next time that the power is turned on.) Select this sub-menu to reset to the original factory settings or to reset the RAM. Any protection history will be cleared.
バックアップRAMの初期化が予約されます。（実際に初期化されるのは、次回の電源投入時です。）工場出荷時やRAMをリセットしたいときは、こちらを選択してください。

**CAUTION:** Before setting to the PRESET RESERVED, write down the existing preset memory content of the Tuner in a table as shown below. (This is because setting to the PRESET RESERVED will cause the user memory content to be erased.)

注意：PRESET RESERVEDを選んで初期化をする前に、チューナーのユーザーメモリー内容を下表に書き写してください。（初期化をすると、ユーザーメモリーの内容は消えてしまいます。）

| Preset group | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 |
|---|---|---|---|---|---|---|---|---|
| A | | | | | | | | |
| B | | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| E | | | | | | | | |

**• PRESET STATIONS / プリセット局**

| STATION | | FM FACTORY PRESET DATA (MHz) | | |
|---|---|---|---|---|
| PAGE | NO. | U, C | A, B, G, L, R, T, K | J |
| A/C/E | 1 | 87.5 | 87.50 | 76.0 |
| | 2 | 90.1 | 90.10 | 83.0 |
| | 3 | 95.1 | 95.10 | 84.0 |
| | 4 | 98.1 | 98.10 | 86.0 |
| | 5 | 107.9 | 108.00 | 90.0 |
| | 6 | 88.1 | 88.10 | 78.0 |
| | 7 | 106.1 | 106.10 | 88.0 |
| | 8 | 107.9 | 108.00 | 82.1 |

| STATION | | AM FACTORY PRESET DATA (kHz) | | |
|---|---|---|---|---|
| PAGE | NO. | U, C, R, T, K | A, B, G, L | J |
| B/D | 1 | 630 | 630 | 630 |
| | 2 | 1080 | 1080 | 1080 |
| | 3 | 1440 | 1440 | 1440 |
| | 4 | 530 | 531 | 531 |
| | 5 | 1710 | 1611 | 1611 |
| | 6 | 900 | 900 | 900 |
| | 7 | 1350 | 1350 | 1350 |
| | 8 | 1400 | 1404 | 1404 |

## 12. AD DATA CHECK / FAN TEST

This menu is used to display the A/D conversion value of the main CPU which detects panel keys of the main unit and protection functions in % using the sub-menu. During signal processing, the condition before execution is maintained.

When K0/K1 menu is selected, keys become non-operable due to detection of the values of all keys. However, it is possible to advance to the next sub-menu by turning the VOLUME of the main unit. When using this function, note that turning the VOLUME more than 1 click would cause the volume value to change.

* The figures in the diagram are given as reference only.

## 12. AD DATA CHECK / FAN TEST

本体パネルキー、プロテクションなどを検出しているメインCPUのA/D変換の値を、サブメニューで%表示します。信号処理は実行前の状態を維持します。

K0/K1のメニューにすると、全キーの値を検出するためキー操作はできなくなりますが、本体のVOLUMEを回すことにより、次のサブメニューに進めることができます。このとき1クリック以上回すと、ボリューム値が変化するので注意してください。

※図中の数値は参考例です。

**DC/PS** (protection detection)

DC: DC detect protection value (Normal value: 1 to 13)

PS: Power supply voltage protection value (Normal value: 19 to 29)

* If DC or PS is out of the normal value range, the protection function works to turn off the power. (Reference voltage: 5V=100%)

**DC/PS**（プロテクションの検出）

DC：DC検出プロテクションの値（正常値1～13）

PS：電源電圧プロテクションの値（正常値19～29）

※ DC、PSは正常値を外れるとプロテクションが働き、電源オフされます。
（基準電圧：5V=100%）

**THM/FAN OUT** (temperature detection/fan drive level)

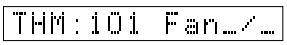
THM: 500% display of the voltage based on the temperature detected value.
Reference voltage: 5V=500% (Normal value: 10 to 139)

Fan: Current fan drive level on the left and the past fan drive history on the right.

**THM/FAN OUT**（温度検出/ファン駆動レベル）

THM: 温度検出値で電圧の500%表示、
基準電圧は5V（正常値: 10～139）

Fan: 左側は現在のファン駆動レベル、右側は過去のファン駆動履歴




| Display | H | M | L |
|---|---|---|---|
| fan drive level | HIGH | MID | LOW |

**REC-OUT** (Select position)

RX-V2400/RX-V2400RDS only

**REC-OUT**（選択位置表示）

DSP-AX2400のみ

[Table 1]

| Display | REC OUT Select |
|---|---|
| 0±2 | TUNER |
| 15±2 | DTV |
| 46±2 | DVR/VCR2 |
| 61±2 | CD-R |
| 77±2 | DVD |
| 123±2 | CD |
| 138±2 | CBL/SAT |
| 169±2 | VCR1 |
| 184±2 | MD/TAPE |
| 200±2 | SOURCE |

**IMP SW/POWER LIMIT** (Impedance/power limiter detection)
IMP: 8 or 6 ohm impedance setting
PL: Power limiter detection value
The voltage value of pin No. 135 of IC520 is displayed, using 5V/256 as standard.
Based on the input voltage value of pin No.135 of IC520, the output of pins No.6 (LC1) and No.7 (LC2) of IC505 is controlled.

**IMP SW/POWER LIMIT**（インピーダンス/パワーリミッターの検出）
IMP: インピーダンス設定値
PL: パワーリミッター検出の値
IC520 135ピンの電圧値を5V/256を基準にして表示します。
IC520 135ピンの入力電圧値により、IC505の6ピン（LC1）と7ピン（LC2）の出力を制御します。

| Speaker impedance setting スピーカーインピーダンス設定 | | During normal operation 通常時 | When limiter is operating リミッタ動作時 | Value for starting limiter operation リミッタ動作開始値 | Value for canceling limiter operation リミッタ動作解除値 |
|---|---|---|---|---|---|
| 6 ohms | 7CH STEREO or EXT8CH_INPUT | LC1=L LC2=H | LC1=H LC2=H | 184 | 157 |
| | Other than those on the above | LC1=L LC2=H | LC1=H LC2=L | 184 | 157 |
| 8 ohms | 7CH STEREO or EXT8CH_INPUT | LC1=L LC2=L | LC1=H LC2=L | J model = 184<br>U, C, A, B, G, L, R, T, K models = 163 | 157 |
| | Other than those on the above | LC1=L LC2=L | LC1=L LC2=H | J model = 184<br>U, C, A, B, G, L, R, T, K models = 163 | 157 |

**K0/K1** (Panel key of main unit) [Remote control code: –]
A/D of the key fails to function properly when the standard value is deviated by ±4%. In this case, check the constant of partial pressure resistor, solder condition, etc. Refer to table 2.
(Reference voltage: 5V=100%)

**K0/K1**（本体パネルキー）
キーのA/Dは基準値から±4%を外れると、正常な動きをしません。下表2をご覧になり、各キーの分圧抵抗の定数、ハンダ不良等の確認をしてください。
（基準電圧：5V=100%）

[Table 2] RX-V2400RDS/RX-V1400RDS

| Display | K0 | K1 |
|---|---|---|
| 00+2 | ◁ PRESET/TUNING | KEY OFF |
| 10±2 | PRESET/TUNING ▷ | SPEAKERS A |
| 20±2 | PRESET/TUNING | SPEAKERS B |
| 30±2 | FM/AM | INPUT MODE |
| 40±2 | MEMORY | A/B/C/D/E |
| 50±2 | TUNING MODE | TONE CONTROL |
| 60±2 | RDS MODE | EFFECT |
| 70±2 | RDS EON | KEY OFF |
| 80±2 | PTY MODE | KEY OFF |
| 90±2 | PTY START | KEY OFF |
| 100 | KEY OFF | KEY OFF |

RX-V2400/DSP-AX2400/RX-V1400/HTR-5690/DSP-AX1400

| Display | K0 | K1 |
|---|---|---|
| 00+2 | ◁ PRESET/TUNING | – |
| 10±2 | PRESET/TUNING ▷ | SPEAKERS A |
| 20±2 | PRESET/TUNING | SPEAKERS B |
| 30±2 | FM/AM | INPUT MODE |
| 40±2 | MEMORY | A/B/C/D/E |
| 50±2 | TUNING MODE | TONE CONTROL |
| 60±2 | – | EFFECT |
| 100 | KEY OFF | KEY OFF |

**FAN DRIVE TEST** (For models so equipped)
HIGH

**FAN DRIVE TEST**（ファン駆動テスト）
HIGH：ファン駆動強

**FAN DRIVE TEST** (For models so equipped)
MID

**FAN DRIVE TEST**（ファン駆動テスト）
MID：ファン駆動中

**FAN DRIVE TEST** (For models so equipped)
LOW

**FAN DRIVE TEST**（ファン駆動テスト）
LOW：ファン駆動弱

```
FAN TEST:LOW
```

### 13. V CONV STATUS

The data received from the video conversion IC (TA1270) is displayed.

**LOW BYTE DATA**

The status information of TA1270 is displayed in the binary notation.

### 13. V CONV STATUS

ビデオコンバージョンIC（TA1270）からの受信データを表示します。

**LOW BYTE DATA**

TA1270のステータス情報を2進数で表示します。

```
L:XXXXXXXX
```

- Horizontal lock judgment / 水平ロック判定
  - 0: LOCK
  - 1: UN-LOCK
- Vertical standard discrimination / 垂直標準判別
  - 0: STANDARD
  - 1: NON-STANDARD
- Vertical frequency / 垂直周波数
  - 0: 50Hz
  - 1: 60Hz
- X'tal mode / X'talモード
  - 00: ー
  - 01: 4.43
  - 10: ー
  - 11: 3.58
- Color system / カラーシステム
  - 00: B/W
  - 01: SECAM
  - 10: PAL
  - 11: NTSC
- Power ON reset / パワーオンリセット
  - 0: RESISTER PRESET
  - 1: NORMAL

**HIGH BYTE DATA**

Not applied to these models.

**HIGH BYTE DATA**

このモデルには適用されません。

```
H:XXXXXXXX
```

## 14. IF STATUS (Input function status)

Using the sub-menu, the status data is displayed one after another in the hexadecimal notation.
During signal processing, the status before execution of this menu is maintained.

* Numeric values in the figure example are for reference.

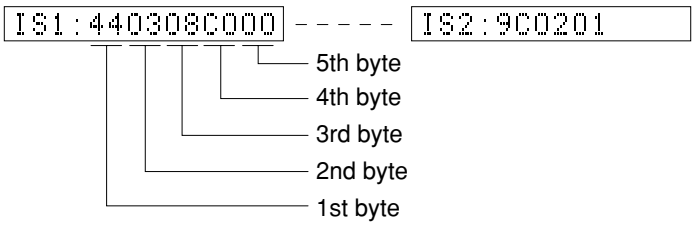
## 14. IF STATUS

サブメニュー操作により、以下のステータス情報を順次16進数で表示します。信号処理は、本メニュー実行前の状態を維持します。

※図中の数値は参考例です。

**IS1-2** (Internal status)**:**
Indicates the status information of the microprocessor.

**IS 1-2 (内部ステータス):**
マイコンのステータス情報を表示します。




<1st byte> Digital input/output setting value
Upper 4 bits: REC OUT selected /
lower 4 bits: INPUT selected

＜第1バイト＞デジタル入出力設定値
上位4bit REC OUT選択 /
下位4bit INPUT選択

| Value | Choice | Preset name |
|---|---|---|
| 0 | NONE | |
| 1 | OPT A | V-AUX |
| 2 | OPT B | CD |
| 3 | OPT C | DVD |
| 4 | OPT D | D-TV |
| 6 | OPT F | CBL/SAT |
| 8 | COAX A | CD |
| 9 | COAX B | DVD |
| A | COAX C | DVR/VCR2 |

<2nd byte> Fs information of reproduction signal

＜第2バイト＞再生信号のFs情報

| Display | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 0A | 0B | 0C | 0D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fs (kHz) | Analog | 32 | 44.1 | 48 | 64 | 88.2 | 96 | Unknown NRM | Unknown DBL | Unknown QUAD | Not defined |

<3rd byte> Audio code mode information of reproduction signal

＜第3バイト＞再生信号のオーディオコードモード情報

| Display | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Audio Code | MULTI MONO | 1+1 | 1/0 | 2/0 | 3/0 | 2/1 | 3/1 | 2/2 | 3/2 | 2/3 | 3/3 | OVER 6.1 | MULTI PCE | Unknown |

<4th byte> Format information of reproduction signal

*1: Analog processing used for digital reproduction is not possible because of a commercial bit or 4-ch audio reason.

＜第4バイト＞再生信号のフォーマット情報

*1: 業務用ビットや4chオーディオなどの理由で、デジタル再生できずアナログ処理されます。

| Display | Signal format |
|---|---|
| 00 | Analog (Unlock) |
| 01 | Incorrect digital (*1) |
| 10 | PCM Audio |
| 20 | Digital Data |
| 21 | IEC1937 Data |
| 22 | None PCM |
| 23 | Unknown |
| 50 | dts |
| 51 | Red dts |
| 54 | dts-ES MATRIX |
| 58 | dts-ES DISCRETE |
| 5C | dts-ES (Both flag) |
| 60 | AAC |
| C0 | Dolby Digital |
| C1 | D.D. Karaoke |
| C4 | D.D.6.1 (D.D.EX) |

<5th byte> Signal processing status information

*2: With digital signals other than 32kHz, 44.1kHz and 48kHz, through processing method is used for reproducible signals.

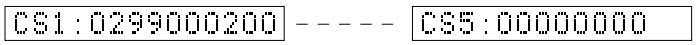
＜第5バイト＞信号処理ステータス情報

*2: 32kHz、44.1kHz、48kHz以外のデジタル信号の場合、再生可能な信号についてはスルー処理されます。

| | | | |
|---|---|---|---|
| bit7 | MUTE request | bit3 | – |
| bit6 | Red dts flashing | bit2 | Through & bypass (*2) |
| bit5 | 6.1/EX processing | bit1 | – |
| bit4 | FULL MUTE (ON: 1) | bit0 | dts analog mute |

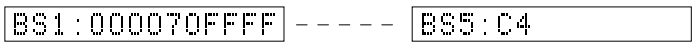
**CS1-5**: Indicates channel status information of the input signal (IEC60958).

**CS 1-5**: 入力信号のIEC60958チャンネルステータス情報を表示します。



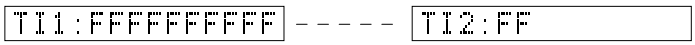

**BS1-5**: Indicates information of the bit stream included in the dts signal.

**BS1-5**: dts信号に含まれるビットストリームインフォメーション情報を表示します。




**TI1-2**:

**TI1-2**:




**MTT**: Mute Trigger

**MTT**: Mute Trigger

| Byte No. | Function |
|---|---|
| 1 | Mute condition |
| 2 | Factor of the last mute |
| 3 | Error count of YSS930-FSCNT |
| 4 | Mute count by YSS930-FSCNT |
| 5 | Error factor of down load of CS49329 |

## 15. DSP RAM CHECK

This menu is used to self-diagnose whether or not the bus connection for the YSS930 and the external RAM is made properly.
During signal processing, the status before execution of this menu is maintained.
The address bus and the data bus are checked and the connection condition is displayed.
When no error is detected, "NoEr" appears on display.

### YSS930 Bus Check

| Display | Description |
|---|---|
| WAIT | Bus is being checked. |
| NoEr | No error detected. |
| DATA | Data bus shorted or open. |
| RSCS | /RAS or /CAS shorted, or open. |
| ADDR | Address bus shorted or open. |

### SECOND DECODER (DA601) BUS CHECK

| Display | Description |
|---|---|
| Boot | Booting of DA601 being executed (When booting is continued, possibility is that there is a defective part or poor connection of the microprocessor DA601 SDRAM.) |
| NoEr | Booting of DA601 has been completed properly. |

## 16. PROTECTION SET

Not applied to these models.

## 15. DSP RAM CHECK

YSS930と外付けRAMとのバス接続の正否を自己診断します。
信号処理は、このメニューを実行する前の状態を維持します。
アドレスバス、データバスのチェックを行い、接続正否を表示します。
エラーが検出されなかった場合は、“NoEr”と表示されます。

### YSS930 BUS CHECK

| 表示 | 判断 |
|---|---|
| WAIT | バスチェック中 |
| NoEr | 不良検出なし |
| DATA | データバスの短絡・解放 |
| RSCS | /RAS または /CAS の短絡・解放 |
| ADDR | アドレスバスの短絡・解放 |

### SECOND DECODER (DA601) BUS CHECK

| 表示 | 判断 |
|---|---|
| Boot | DA601 のブート中（ブートし続ける場合は、マイコン DA601 SDRAM の部品不良または接続不良の可能性あり） |
| NoEr | DA601 のブートが正常に終了 |

## 16. PROTECTION SET

このモデルには適用されません。

## 17. SOFT SW

This menu is used to switch the function settings on P.C.B. through the software so as to activate the product.

The protection function follows the P.C.B. settings. When connected to AC or in the maker preset state, the unit is initialized to the P.C.B. setting. Display of each function after initialization varies depending on settings on P.C.B. The operation mode can be changed by selecting the sub-menu and then using the STRAIGHT key. With SOF selected for the SW mode, the settings become effective.

## 17. SOFT SW

P.C.B.上の機能設定をソフト的に切り替えて、製品を動作させる機能です。

プロテクション機能は、P.C.B.の設定に従います。AC接続またはメーカープリセットで、P.C.B.の設定に初期化されます。初期化後の各機能の表示は、P.C.B.上の設定によります。操作は、サブメニューを選んだ後、STRAIGHTキーで切り替えます。SWモードをSOFTにすると、設定が有効になります。

**SW MODE**
PCB or SOFT can be selected.

**SW MODE**
PCBまたはSOFTを選択できます。

```
17.SW    :PCB
```

**MODEL SETTING**
V1400 or V2400 can be selected.

**MODEL SETTING**
V1400、V2400のいずれかを選択できます。

```
17.MODEL:V1400
```

**TUNER DESTINATION**
J, UC, ALG or R can be selected.

**TUNER DESTINATION**
J、UC、ALG、Rのいずれかを選択できます。

```
17.DEST  :UC
```

**TUNER EXIST**
NOT or EXIST can be selected.

**TUNER EXIST**
NOTまたはEXISTを選択できます。

```
17.TUNER:EXIST
```

**RDS EXIST**
NOT or EXIST can be selected.

**RDS EXIST**
**NOTまたはEXISTを選択できます。**

```
17.RDS   :NOT
```

**ZONE 2 EXIST**
NOT or EXIST can be selected.

**ZONE 2 EXIST**
NOTまたはEXISTを選択できます。

```
17.ZONE2:NOT
```

**VIDEO FORMAT**
NTSC or PAL can be selected.

**VIDEO FORMAT**
NTSCまたはPALを選択できます。

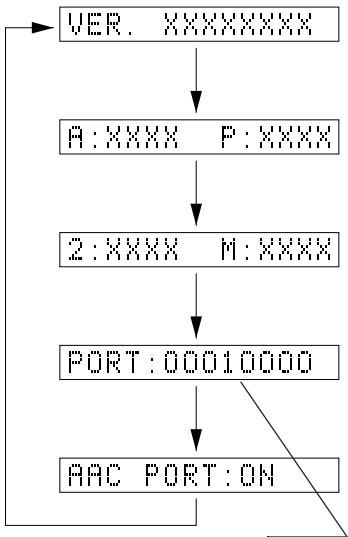
```
17.VIDEO:NTSC
```

## 18. MICROPROCESSOR INFORMATION

The version, checksum and the port specified by the microprocessor are displayed. The signal is processed using EFFECT OFF. The checksum is obtained by adding the data at every 16 bits for each program area and expressing the result as a 4-figure hexadecimal data.

## 18. マイコン情報

サブメニューは5つあります。
プログラムのバージョン、チェックサム、マイコンの指定ポートを表示します。
信号はエフェクトOFFです。チェックサムは、プログラムエリア別にデータを16ビットごとに加算していき、4桁の16進データで現したものです。



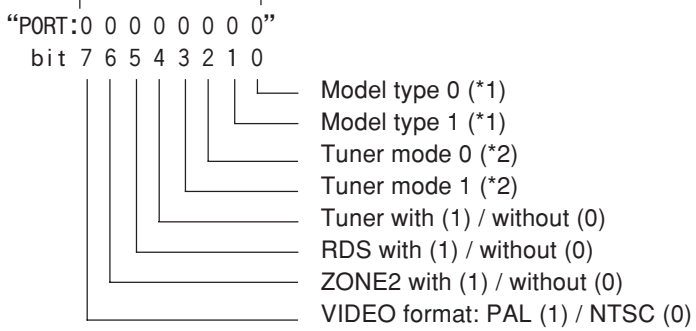

**Version /** バージョン情報
Release 1 figure / Main 2 figures / DSP 2 figures / Communication 1 figure / Boot manufacturer 1 figure / Boot 232C 1 figure

**Checksum /** チェックサム表示
A : All area P : Program area

**Checksum /** チェックサム表示
2 : Boot 232C M : Boot manufacturer

**Check of port setting for judging microprocessor function**
マイコンの機能判定用ポート設定確認

**Display of AAC function detection port state**
AAC機能検出ポート状態表示




*1 (Model type)

| Type 0 | Type 1 | Model type |
|---|---|---|
| 0 | 0 | V1400 |
| 1 | 0 | V2400 |

*2 (Tuner mode)

| Tuner mode 0 | Tuner mode 1 | Tuner frequency |
|---|---|---|
| 0 | 0 | AM: 531-1611kHz/9kHz FM: 76.0-90.0MHz/100kHz |
| 0 | 1 | AM: 531-1611kHz/9kHz FM: 87.5-108.0MHz/50kHz |
| 1 | 0 | AM: 530-1710kHz/10kHz FM: 87.5-107.9MHz/200kHz |
| 1 | 1 | R destination, Port6: LOW AM: 530-1710kHz/10kHz FM: 87.5-108.0MHz/100kHz<br>HIGH AM: 531-1611kHz/9kHz FM: 87.5-108.0MHz/50kHz |

# ■ AMP ADJUSTMENT / アンプ部調整

## Confirmation of Idling Current of Amp Unit

- Right after power is turned on, confirm that the voltage across the terminals of R319 (Main Lch), R320 (Main Rch), R325 (Center), R326 (SURROUND Lch), R327 (SURROUND Rch), R321 (SURROUND BACK Lch), R322 (SURROUND BACK Rch) are between 0.1mV and 10.0mV.
- If it exceeds 10.0mV, open (cutoff) R291 (Main Lch), R292 (Main Rch), R295 (Center), R296 (Surround Lch), R297 (Surround Rch), R293 (Surround Back Lch), R294 (Surround Back Rch) and reconfirm the voltage.

  **Attention**
  If the idle current exceeds 10.0mV after an amplifier repair, first check for a defective component before cutting the bias resistor.

- Confirm that the voltage is 0.2 mV ~ 15.0 mV after 60 minutes.

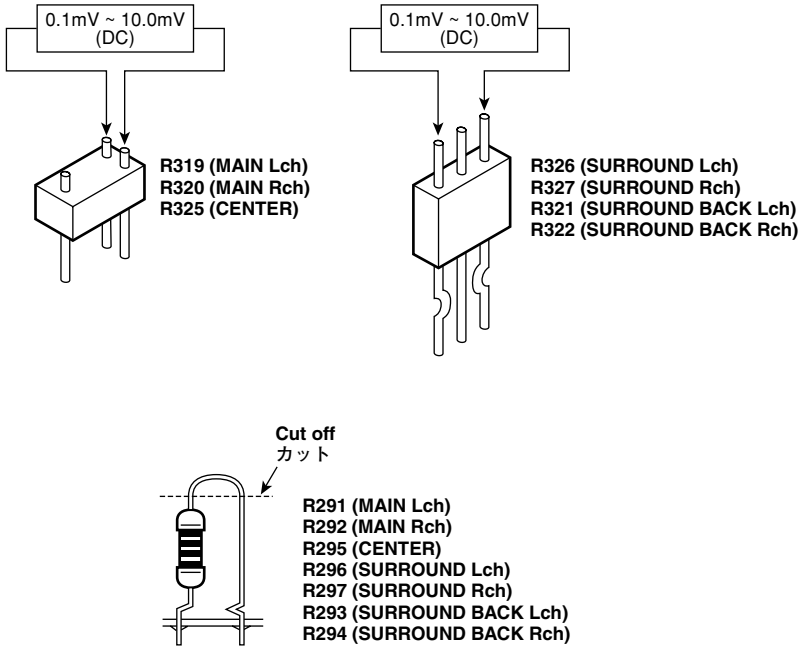
## アンプユニットのアイドリング電流の確認

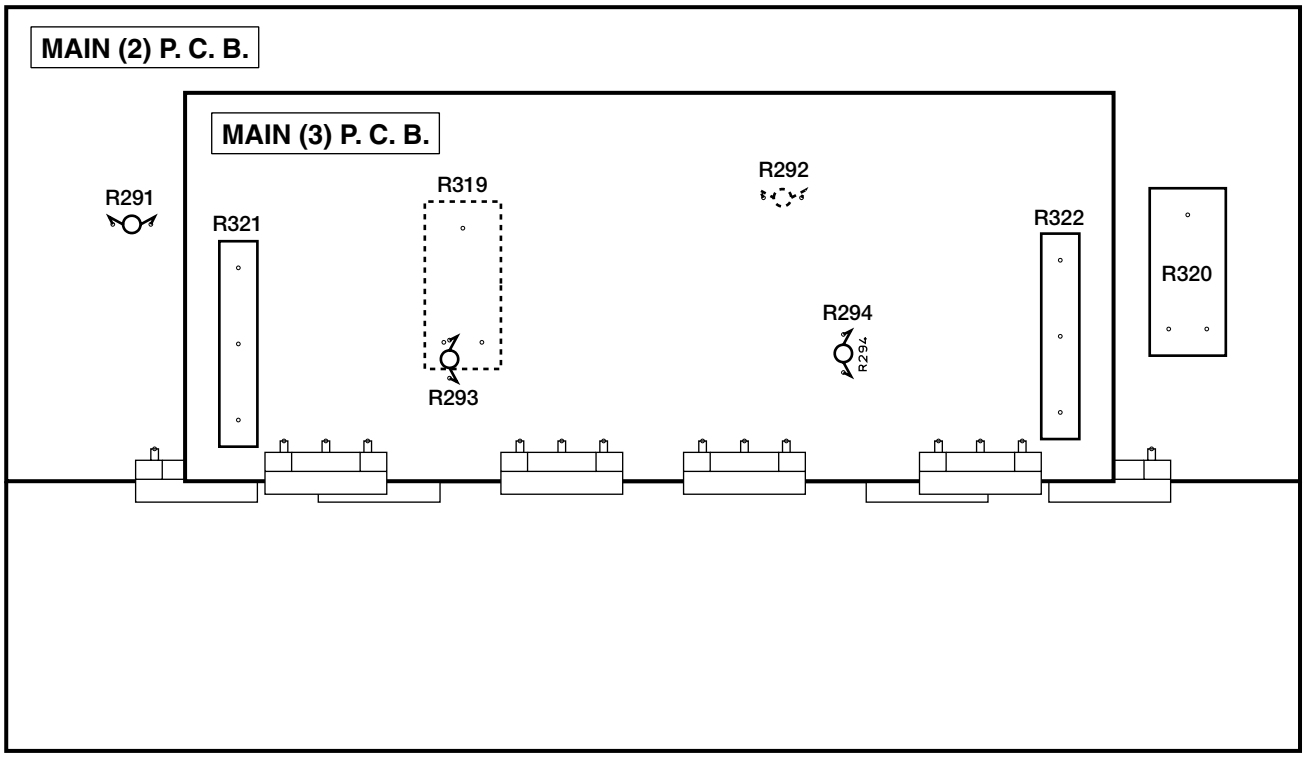
● 電源投入直後、R319（MAIN Lch）、R320（MAIN Rch）、R325（CENTER）、R326（SURROUND Lch）、R327（SURROUND Rch）、R321（SURROUND BACK Lch）、R322（SURROUND BACK Rch）の端子間電圧を測定し、0.1mVから10.0mVの間であることを確認してください。

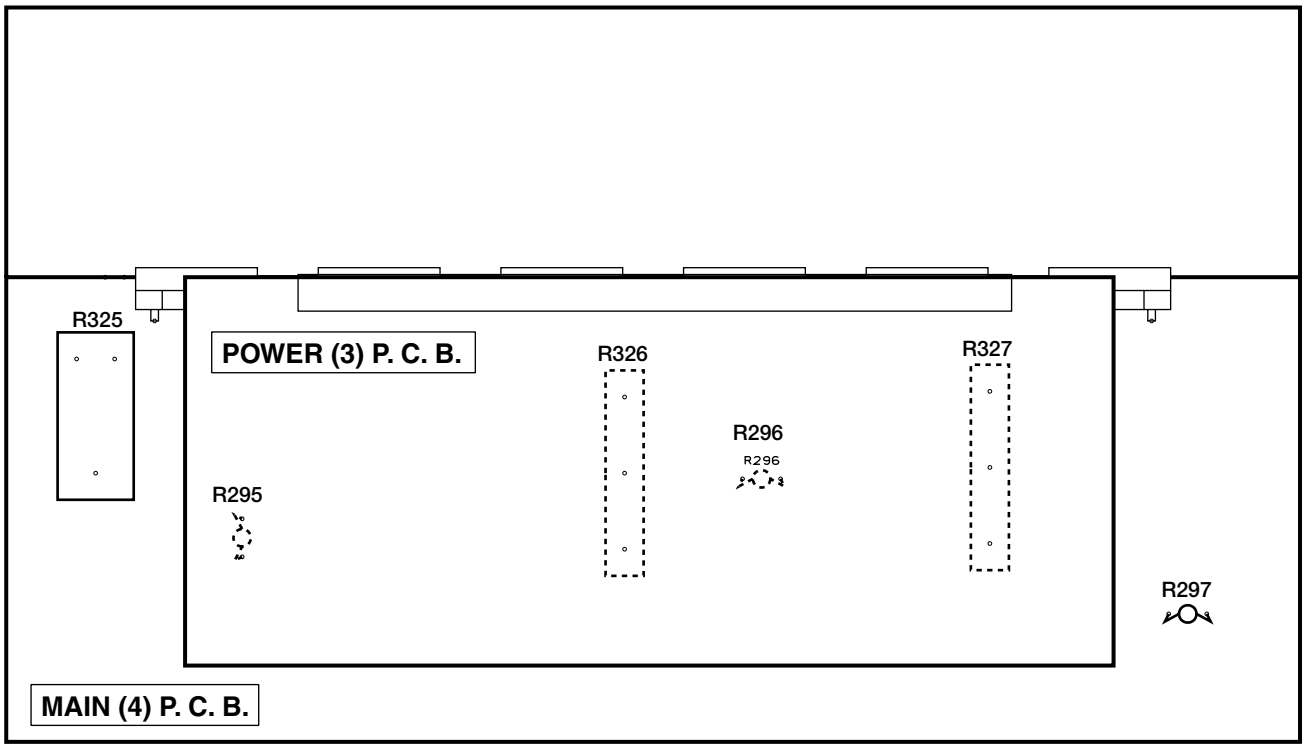
● 電圧が10mVを超えている場合は、R291（MAIN Lch）、R292（MAIN Rch）、R295（CENTER）、R296（SURROUND Lch）、R297（SURROUND Rch）、R293（SURROUND BACK Lch）、R294（SURROUND BACK Rch）をカットし、電圧を再確認してください。

**注意**
パワーアンプ修理後に10.0mVを超えている場合は、抵抗をカットする前に故障箇所を調べてください。

● 60分後、電圧が0.2mV～15.0mVであることを確認してください。

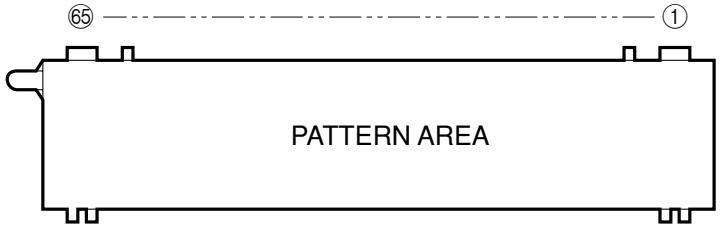



MAIN (2) P. C. B.
MAIN (3) P. C. B.
R291
R321
R319
R293
R292
R294
R322
R320


R325
POWER (3) P. C. B.
R326
R327
R296
R295
R297
MAIN (4) P. C. B.

# ■ DISPLAY DATA

### ● V901 : 16-BT-112GNK (WB585800)



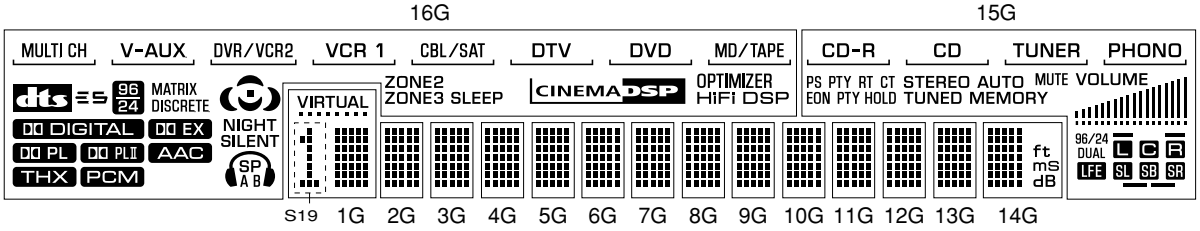

### ● PIN CONNECTION

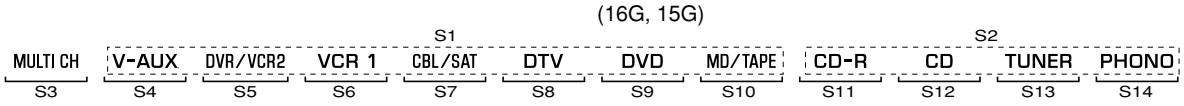
| Pin No. | 65 | 64 | 63 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Connection | F2 | NX | NP | NP | P38 | P37 | P36 | P35 | P34 | P33 | P32 | P31 | P30 | P29 | P28 | P27 | P26 | P25 | P24 | P23 | P22 | P21 | P20 | P19 | P18 | P17 | P16 | P15 | P14 | P13 | P12 | P11 |

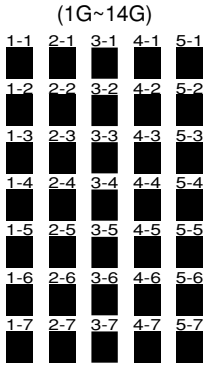
| Pin No. | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Connection | P10 | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 | NC | NC | NC | 16G | 15G | 14G | 13G | 12G | 11G | 10G | 9G | 8G | 7G | 6G | 5G | 4G | 3G | 2G | 1G | NP | NP | NX | F1 |

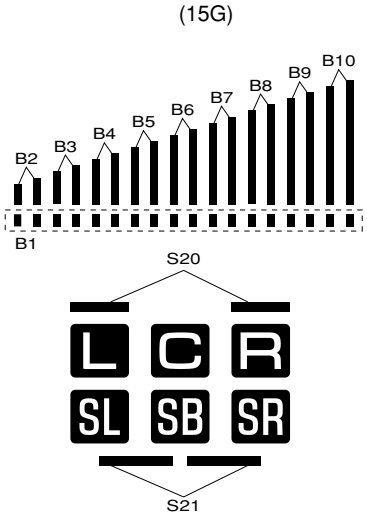
**Note** : 1) F1, F2 ..... Filament 2) NP ..... No pin 3) NC ..... No connection 4) NX ..... No extened 5) 1G ~ 16G ..... Grid 6) P1 ~ 38 ..... Anode

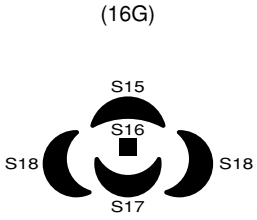
### ● GRID ASSIGNMENT



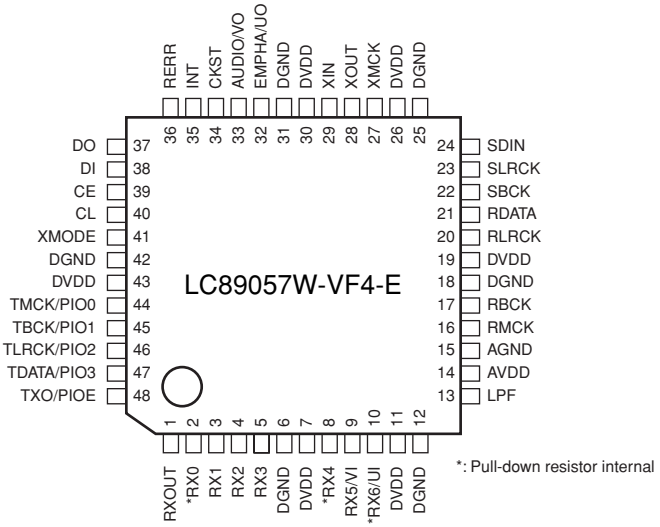



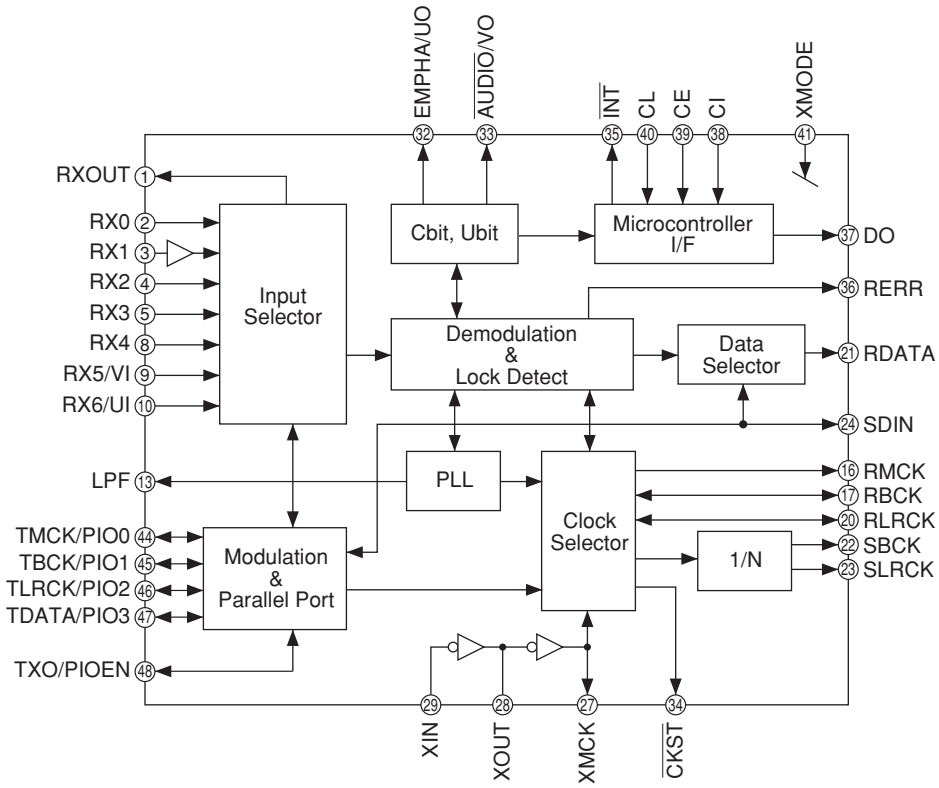
## ● ANODE CONNECTION

| | 16G | 15G | 14G | 13G~2G | 1G |
|---|---|---|---|---|---|
| P1 | S1 | S2 | 1-1 | 1-1 | 1-1 |
| P2 | S4 | S11 | 2-1 | 2-1 | 2-1 |
| P3 | S5 | S12 | 3-1 | 3-1 | 3-1 |
| P4 | S6 | S13 | 4-1 | 4-1 | 4-1 |
| P5 | S7 | S14 | 5-1 | 5-1 | 5-1 |
| P6 | S8 | PS | 1-2 | 1-2 | 1-2 |
| P7 | S9 | PTY | 2-2 | 2-2 | 2-2 |
| P8 | S10 | RT | 3-2 | 3-2 | 3-2 |
| P9 | MULTI CH | CT | 4-2 | 4-2 | 4-2 |
| P10 | S3 | EON | 5-2 | 5-2 | 5-2 |
| P11 | S15 | PTY HOLD | 1-3 | 1-3 | 1-3 |
| P12 | S16 | STEREO | 2-3 | 2-3 | 2-3 |
| P13 | S17 | TUNED | 3-3 | 3-3 | 3-3 |
| P14 | S18 | AUTO | 4-3 | 4-3 | 4-3 |
| P15 | dts | MEMORY | 5-3 | 5-3 | 5-3 |
| P16 | ES | MUTE | 1-4 | 1-4 | 1-4 |
| P17 | 96/24 | VOLUME | 2-4 | 2-4 | 2-4 |
| P18 | MATRIX | B1 | 3-4 | 3-4 | 3-4 |
| P19 | DISCRETE | B2 | 4-4 | 4-4 | 4-4 |
| P20 | DD DIGITAL | B3 | 5-4 | 5-4 | 5-4 |
| P21 | DD EX | B4 | 1-5 | 1-5 | 1-5 |
| P22 | DD PL | B5 | 2-5 | 2-5 | 2-5 |
| P23 | DD PLII | B6 | 3-5 | 3-5 | 3-5 |
| P24 | AAC | B7 | 4-5 | 4-5 | 4-5 |
| P25 | THX | B8 | 5-5 | 5-5 | 5-5 |
| P26 | PCM | B9 | 1-6 | 1-6 | 1-6 |
| P27 | NIGHT | B10 | 2-6 | 2-6 | 2-6 |
| P28 | SILENT | 96/24 | 3-6 | 3-6 | 3-6 |
| P29 | 🎧 | DUAL | 4-6 | 4-6 | 4-6 |
| P30 | SP | LFE | 5-6 | 5-6 | 5-6 |
| P31 | A | S20 | 1-7 | 1-7 | 1-7 |
| P32 | B | L | 2-7 | 2-7 | 2-7 |
| P33 | ZONE2 | C | 3-7 | 3-7 | 3-7 |
| P34 | ZONE3 | R | 4-7 | 4-7 | 4-7 |
| P35 | SLEEP | SL | 5-7 | 5-7 | 5-7 |
| P36 | CINEMA DSP | SB | ft | – | S19 |
| P37 | OPTIMIZER | SR | ms | – | VIRTUAL |
| P38 | HiFi DSP | S21 | dB | – | – |

# ■ IC DATA

IC509: LC89057W-VF4-E (DSP P.C.B)
Digital Audio Interface Transceiver



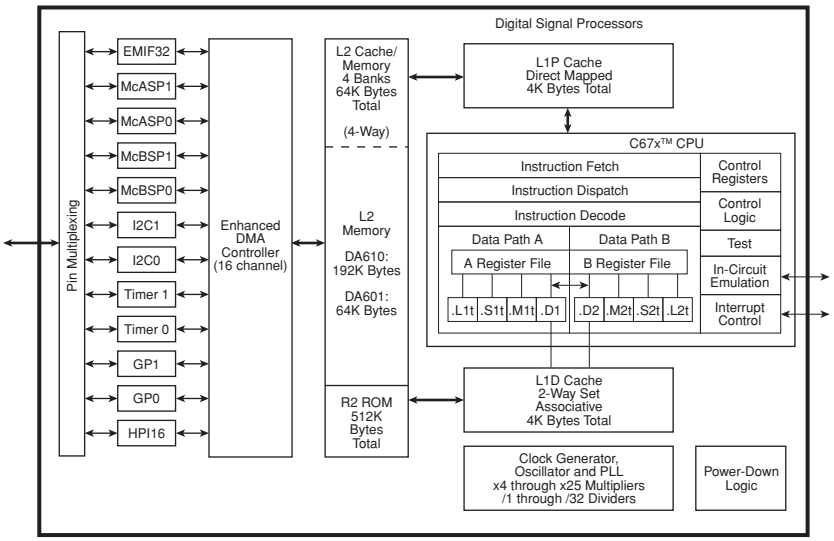



IC509: LC89057W-VF4-E (DSP P.C.B)
Digital Audio Interface Transceiver

| No. | Name | I/O | Function |
|---|---|---|---|
| 1 | RXOUT | O | Input bi-phase selection data output pin |
| 2 | RX0 | Is | TTL-compatible digital data input pin |
| 3 | RX1 | I | Coaxial-compatible digital data input pin with built-in amplifier |
| 4 | RX2 | Is | TTL-compatible digital data input pin |
| 5 | RX3 | Is | TTL-compatible digital data input pin |
| 6 | DGND | | Digital GND |
| 7 | DVDD | | Digital power supply |
| 8 | RX4 | Is | TTL-compatible digital data input pin |
| 9 | RX5/VI | Is | TTL-compatible digital data / Validity flag input pin for modulation |
| 10 | RX6/UI | Is | TTL-compatible digital data / User data input pin for modulation |
| 11 | DVDD | | PLL digital power supply |
| 12 | DGND | | PLL digital GND |
| 13 | LPF | O | PLL loop filter connection pin |
| 14 | ACDD | | PLL analog power supply |
| 15 | AGND | | PLL analog GND |
| 16 | RMCK | O | R system clock output pin (256fs, 512fs, XIN, VCO) |
| 17 | RBCK | O/I | R bit clock input/output pin |
| 18 | DGND | | Digital GND |
| 19 | DVDD | | Digital power supply |
| 20 | RLRCK | O/I | R LR clock input/output pin (fs) |
| 21 | RDATA | O | Serial audio data input pin |
| 22 | SBCK | O | S bit clock output pin (32fs, 64fs, 128fs) |
| 23 | SLRCK | O | S LR clock output pin (fs/s, fs, 2fs) |
| 24 | SDIN | Is | Serial audio data input pin |
| 25 | DGND | | Digital GND |
| 26 | DVDD | | Digital power supply |
| 27 | XMCK | O | Oscillation amplifier output pin |
| 28 | XOUT | O | Crystal resonator connection output pin |
| 29 | XIN | I | Crystal resonator connection, external supply clock input pin (24.576 MHz or 12.288 MHz) |
| 30 | DVDD | | Digital power supply |
| 31 | DGND | | Digital GND |
| 32 | EMPHA/UO | I/O | Emphasis information / U data output / Chip address setting pin |
| 33 | AUDIO/VO | I/O | Non-PCM output / V flag output / Chip address setting pin |
| 34 | CKST | I/O | Clock switch transition period signal / Demodulation master or slave function switch pin |
| 35 | INT | I/O | Microcontroller interrupt output / Modulation or general-purpose I/O switch pin |
| 36 | RERR | O | PLL clock error, data error flag output |
| 37 | DO | O | Microcontroller I/F read data output pin (3-state) |
| 38 | DI | Is | Microcontroller I/F write data input pin |
| 39 | CE | Is | Microcontroller I/F chip enable input pin |
| 40 | CL | Is | Microcontroller I/F clock input pin |
| 41 | XMODE | Is | System reset input pin |
| 42 | DGND | | Digital GND |
| 43 | DVDD | | Digital power supply |
| 44 | TMCK/PIO0 | I/O | Modulation 256fs system clock input / General-purpose I/O input/output pin |
| 45 | TMCK/PIO1 | I/O | Modulation 64fs bit clock input / General-purpose I/O input/output pin |
| 46 | TLRCK/PIO2 | I/O | Modulation fs clock input / General-purpose I/O input/output pin |
| 47 | TLRCK/PIO3 | I/O | Modulation serial audio data input / General-purpose I/O input/output pin |
| 48 | TXO/PIOEN | O/I | Modulation data output / General-purpose I/O enable input pin |

1) Input/output I or O = -0.3 to 3.6V, Is = -0.3 to 5.5V
2) Pins 32 and 33 are latch address setting input pins when pin 41 = "L".
3) Pin 34 is a demodulation function master or slave setting input pin when pin 41 = "L".
4) Pin 35 is a modulation function or general-purpose I/O function switch setting input pin when pin 41 = "L".
5) Perform ON/OFF for all power supplies with the same timing as a latch-up countermeasure.

IC512: D601A002PYP180 (DSP P.C.B)
Decoder




| No. | Name | I/O | Function |
|---|---|---|---|
| 1 | GP0[4]/(EXT_INT4) | IOZ | General purpose I/O0 port 4 |
| 2 | GP0[6]/(EXT_INT6) | IOZ | General purpose I/O0 port 6 |
| 3 | CVDD | S | 1.2V power supply |
| 4 | VSS | GND | Ground |
| 5 | DVDD | S | 3.3V power supply |
| 6 | GP0[5]/(EXT_INT5) | IOZ | General purpose I/O0 port 5 |
| 7 | GP0[7]/(EXT_INT7) | IOZ | General purpose I/O0 port 7 |
| 8 | CLKS1 | I | McBSP1 external clock source |
| 9 | DVDD | S | 3.3V power supply |
| 10 | VSS | GND | Ground |
| 11 | CVDD | S | 1.2V power supply |
| 12 | TINP1/AHCLKX0 | I | Timer 1 Input |
| 13 | TOUT1/AXRO[4]/AXR1[11] | O | Timer 1 Output |
| 14 | CVDD | S | 1.2V power supply |
| 15 | VSS | GND | Ground |
| 16 | CLKX0/ACLKX0 | IOZ | McASP0 Transmission BCLK |
| 17 | TINP0/AXRO[3]/AXR1[12] | I | Timer 0 Input |
| 18 | TOUT0/AXRO[2]/AXR1[13] | O | Timer 0 Output |
| 19 | ACLKR0 | IOZ | McASP0 Reception BCLK |
| 20 | AXRO[1] | IOZ | McASP0 Transmission/reception data 1 |
| 21 | AFSX0 | IOZ | McASP0 Transmission LRCLK |
| 22 | CVDD | S | 1.2V power supply |
| 23 | VSS | GND | Ground |
| 24 | AFSR0 | IOZ | McASP0 Reception LRCLK |
| 25 | DVDD | S | 3.3V power supply |
| 26 | VSS | GND | Ground |
| 27 | AXRO[0] | IOZ | McASP0 Transmission/reception data 0 |
| 28 | AHCLKR0 | I | McASP0 Reception MCLK |
| 29 | CVDD | S | 1.2V power supply |
| 30 | VSS | GND | Ground |
| 31 | FSX1 | IOZ | McBSP1 Transmission Frame Sync (Input in SPI slave state) |
| 32 | DX1 | O/Z | McBSP1 Transmission data |
| 33 | CLKX1 | IOZ | McBSP1 Transmission clock (Input in SPI slave state) |
| 34 | VSS | GND | Ground |
| 35 | CVDD | S | 1.2V power supply |
| 36 | CLKR1 | IOZ | McBSP1 Reception clock |
| 37 | DR1 | I | McBSP1 Reception data |
| 38 | FSR1 | IOZ | McBSP1 Reception Frame Sync |
| 39 | VSS | GND | Ground |
| 40 | CVDD | S | 1.2V power supply |

IC512: D601A002PYP180 (DSP P.C.B)
Decoder

| No. | Name | I/O | Function |
|---|---|---|---|
| 41 | SCL0 | IOZ | 12C0 clock |
| 42 | SDA0 | IOZ | 12C0 data |
| 43 | CVDD | S | 1.2V power supply |
| 44 | DVDD | S | 3.3V power supply |
| 45 | VSS | GND | Ground |
| 46 | CVDD | S | 1.2V power supply |
| 47 | DVDD | S | 3.3V power supply |
| 48 | VSS | GND | Ground |
| 49 | VSS | GND | Ground |
| 50 | CVDD | S | 1.2V power supply |
| 51 | CVDD | S | 1.2V power supply |
| 52 | VSS | GND | Ground |
| 53 | CVDD | S | 1.2V power supply |
| 54 | VSS | GND | Ground |
| 55 | DVDD | S | 3.3v power supply |
| 56 | ARDY | I | Asynchronous RAM Ready input |
| 57 | /CE3 | O/Z | For external memory area, Enable 3 |
| 58 | DVDD | S | 3.3V power supply |
| 59 | VSS | GND | Ground |
| 60 | CVDD | S | 1.2V power supply |
| 61 | /CE2 | O/Z | For external memory area, Enable 2 |
| 62 | EA2 | O/Z | For external memory, Address 2 |
| 63 | EA3 | O/Z | For external memory, Address 3 |
| 64 | EA4 | O/Z | For external memory, Address 4 |
| 65 | DVDD | S | 3.3V power supply |
| 66 | VSS | GND | Ground |
| 67 | CVDD | S | 1.2v power supply |
| 68 | EA5 | O/Z | For external memory, Address 5 |
| 69 | EA6 | O/Z | For external memory, Address 6 |
| 70 | EA7 | O/Z | For external memory, Address 7 |
| 71 | EA8 | O/Z | For external memory, Address 8 |
| 72 | DVDD | S | 3.3V power supply |
| 73 | VSS | GND | Ground |
| 74 | EA9 | O/Z | For external memory, Address 9 |
| 75 | /SDRAS | O/Z | Asynchronous RAM OE / SDRAM RAS / SBS RAM OE |
| 76 | EA10 | O/Z | For external memory, Address 10 |
| 77 | ECLKOUT | O/Z | Clock output for EMIF |
| 78 | ECLKIN | I | Clock input for EMIF |
| 79 | /SDCAS | O/Z | Asynchronous RAM RE / SDRAM CAS / SBSRAM ADS |
| 80 | CVDD | S | 1.2V power supply |
| 81 | VSS | GND | Ground |
| 82 | CLKOUT2/GP0[2] | O/Z | Half clock output of device Speed |
| 83 | /SDWE | O/Z | Asynchronous RAM WE / SDRAM WE / SBSRAM WE |
| 84 | DVDD | S | 3.3V power supply |
| 85 | VSS | GND | Ground |
| 86 | EA11 | O/Z | For external memory, Address 11 |
| 87 | DVDD | S | 3.3V power supply |
| 88 | VSS | GND | Ground |
| 89 | CVDD | S | 1.2V power supply |
| 90 | EA14 | O/Z | For external memory, Address 14 |
| 91 | EA13 | O/Z | For external memory, Address 13 |
| 92 | EA16 | O/Z | For external memory, Address 16 |
| 93 | EA12 | O/Z | For external memory, Address 12 |
| 94 | EA15 | O/Z | For external memory, Address 15 |
| 95 | EA18 | O/Z | For external memory, Address 18 |
| 96 | CVDD | S | 1.2V power supply |
| 97 | VSS | GND | Ground |
| 98 | DVDD | S | 3.3V power supply |

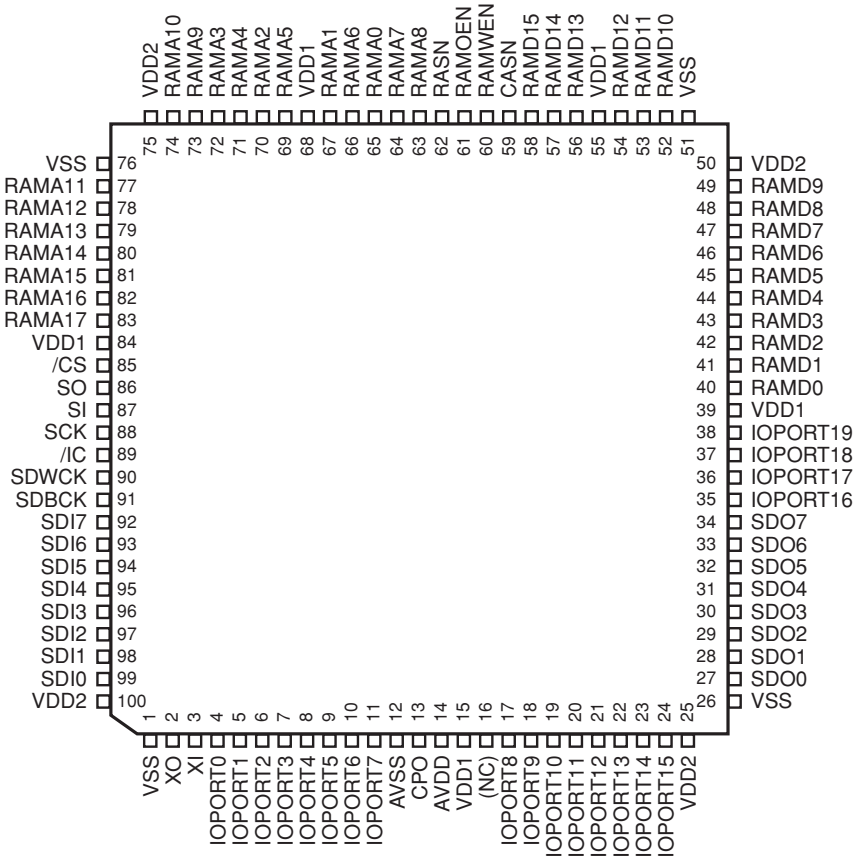
IC512: D601A002PYP180 (DSP P.C.B)
Decoder

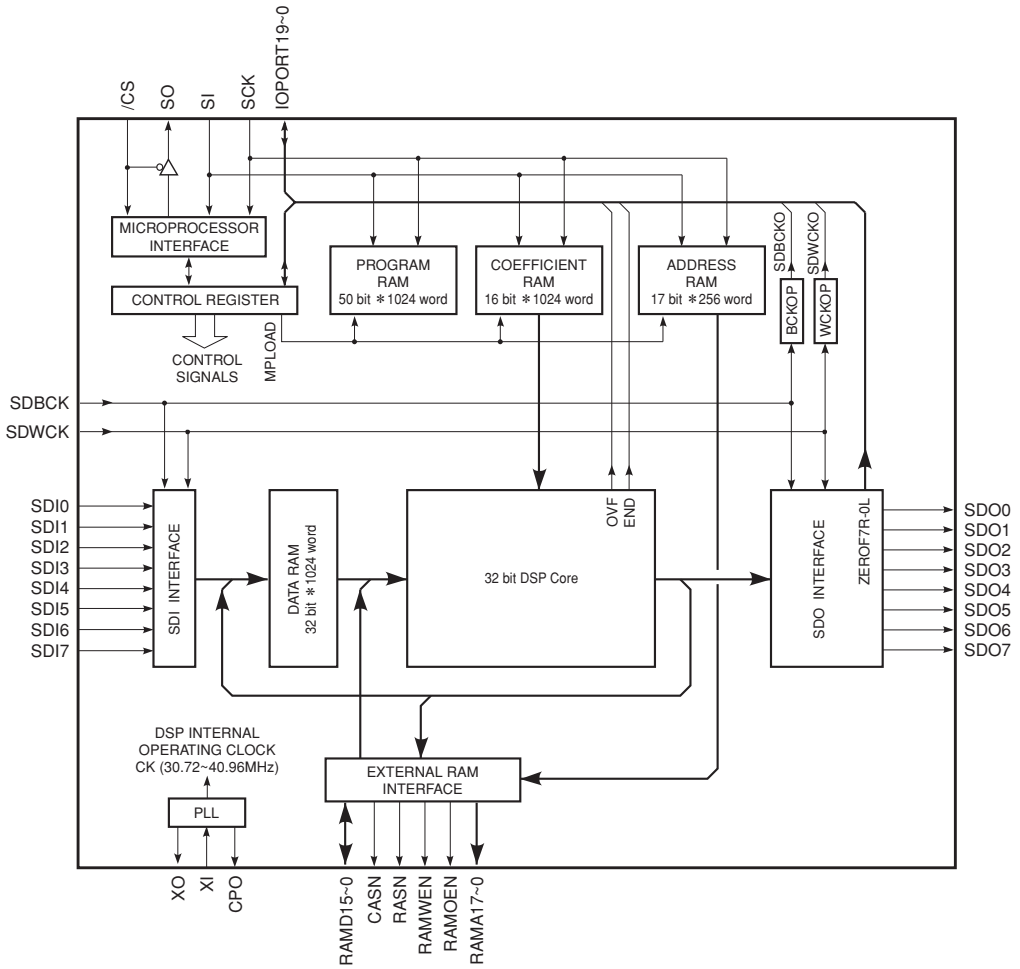
| No. | Name | I/O | Function |
|---|---|---|---|
| 99 | EA17 | O/Z | For external memory, Address 17 |
| 100 | EA19 | O/Z | For external memory, Address 19 |
| 101 | EA20 | O/Z | For external memory, Address 20 |
| 102 | /CE0 | O/Z | For external memory area, Enable 0 |
| 103 | /CE1 | O/Z | For external memory area, Enable 1 |
| 104 | CVDD | S | 1.2V power supply |
| 105 | CVDD | S | 1.2V power supply |
| 106 | VSS | GND | Ground |
| 107 | DVDD | S | 3.3V power supply |
| 108 | /BE1 | O/Z | For external memory, Byte Enable Control 1 |
| 109 | EA21 | O/Z | For external memory, Address 21 |
| 110 | /BE0 | O/Z | For external memory, Byte Enable Control 0 |
| 111 | ED13 | IOZ | For external memory, Data 13 |
| 112 | ED15 | IOZ | For external memory, Data 15 |
| 113 | ED14 | IOZ | For external memory, Data 14 |
| 114 | DVDD | S | 3.3V power supply |
| 115 | VSS | GND | Ground |
| 116 | CVDD | S | 1.2V power supply |
| 117 | ED11 | IOZ | For external memory, Data 11 |
| 118 | ED12 | IOZ | For external memory, Data 12 |
| 119 | ED9 | IOZ | For external memory, Data 9 |
| 120 | ED10 | IOZ | For external memory, Data 10 |
| 121 | ED6 | IOZ | For external memory, Data 6 |
| 122 | ED7 | IOZ | For external memory, Data 7 |
| 123 | ED8 | IOZ | For external memory, Data 8 |
| 124 | CVDD | S | 1.2V power supply |
| 125 | VSS | GND | Ground |
| 126 | DVDD | S | 3.3V power supply |
| 127 | ED4 | IOZ | For external memory, Data 4 |
| 128 | ED5 | IOZ | For external memory, Data 5 |
| 129 | ED3 | IOZ | For external memory, Data 3 |
| 130 | ED2 | IOZ | For external memory, Data 2 |
| 131 | ED1 | IOZ | For external memory, Data 1 |
| 132 | ED0 | IOZ | For external memory, Data 0 |
| 133 | CVDD | S | 1.2V power supply |
| 134 | VSS | GND | Ground |
| 135 | GP0[1] | IOZ | General purpose I/O0 port 1 |
| 136 | BUSREQ | O/Z | For external memory, Bus request output |
| 137 | /HOLDA | O/Z | For external memory, Hold request approval to host |
| 138 | /HOLD | I | For external memory, Hold request from host |
| 139 | AFSR1 | IOZ | McASP1 reception LRCLK |
| 140 | ACLKR1 | IOZ | McASP1 reception BCLK |
| 141 | DVDD | S | 3.3V power supply |
| 142 | VSS | GND | Ground |
| 143 | AXR1[0] | IOZ | McASP1 transmission/reception data 0 |
| 144 | AXR1[1] | IOZ | McASP1 transmission/reception data 1 |
| 145 | AXR1[2] | IOZ | McASP1 transmission/reception data 2 |
| 146 | AXR1[3] | IOZ | McASP1 transmission/reception data 3 |
| 147 | AXR1[4] | IOZ | McASP1 transmission/reception data 4 |
| 148 | VSS | GND | Ground |
| 149 | CVDD | S | 1.2V power supply |
| 150 | AXR1[5] | IOZ | McASP1 transmission/reception data 5 |
| 151 | AXR1[6] | IOZ | McASP1 transmission/reception data 6 |
| 152 | AXRO[8]/AXR1[7] | IOZ | McASP1 transmission/reception data 7 |
| 153 | ACLKX1 | IOZ | McASP1 transmission BCLK |
| 154 | AMUTE1 | OZ | McASP1 MUTE output |
| 155 | AFSX1 | IOZ | McASP1 transmission LRCLK |
| 156 | GP0[0] | IOZ | General purpose I/O0 port 0 (SPI ready signal output Active: H) |

IC512: D601A002PYP180 (DSP P.C.B)
Decoder

| No. | Name | I/O | Function |
|---|---|---|---|
| 157 | CVDD | S | 1.2V power supply |
| 158 | VSS | GND | Ground |
| 159 | AHCLKX1 | IOZ | General purpose I/O0 port 8 |
| 160 | GP0[8] | IOZ | HPI data pin 8 |
| 161 | AHCLKR1 | IOZ | McASP1 reception MCLK |
| 162 | DVDD | S | 3.3V power supply |
| 163 | VSS | GND | Ground |
| 164 | GP0[3] | IOZ | General purpose I/O0 port 3 |
| 165 | GP0[9] | IOZ | General purpose I/O0 port 9 |
| 166 | GP0[10] | IOZ | General purpose I/O0 port 10 |
| 167 | GP0[11] | IOZ | General purpose I/O0 port 11 |
| 168 | HD12 | IOZ | General purpose I/O0 port 12 |
| 169 | CVDD | S | 1.2V power supply |
| 170 | VSS | GND | Ground |
| 171 | CVDD | S | 1.2V power supply |
| 172 | GP0[13] | IOZ | General purpose I/O0 port 13 |
| 173 | GP0[14] | IOZ | General purpose I/O0 port 14 |
| 174 | GP0[15] | IOZ | General purpose I/O0 port 15 |
| 175 | NMI | I | Nonmaskable Interrupt ↑ edge |
| 176 | /RESET | I | Device reset |
| 177 | CVDD | S | 1.2V power supply |
| 178 | OSCIN | I | X'tal input, Oscillation: 12 to 25MHz |
| 179 | OSCOUT | O | X'tal output |
| 180 | OSCVSS | GND | X'tal GND internal connection |
| 181 | OSCVDD | S | X'tal 1.2V power supply internal connection |
| 182 | VSS | GND | Ground |
| 183 | DVDD | S | 3.3V power supply |
| 184 | CLKOUT3 | O | Programmable clock output up to 32 division of PLL |
| 185 | EMU1 | IOZ | JTAG emulation pin 1 (1kΩ PD when boundary scanning) |
| 186 | EMU0 | IOZ | JTAG emulation pin 0 (1kΩ PD when boundary scanning) |
| 187 | TDO | O/Z | JTAG Data Out |
| 188 | DVDD | S | 3.3V power supply |
| 189 | VSS | GND | Ground |
| 190 | CVDD | S | 1.2V power supply |
| 191 | TDI | I | JTAG Data In |
| 192 | TMS | I | JTAG Mode Select |
| 193 | TCK | I | JTAG Clock |
| 194 | VSS | GND | Ground |
| 195 | CVDD | S | 1.2V power supply |
| 196 | CVDD | S | 1.2V power supply |
| 197 | /TRST | I | JTAG Reset |
| 198 | RSV2 | O/Z | Reserved (unconnected) |
| 199 | PLLG | A | Analog GND for PLL |
| 200 | RSV0 | A | Reserved (unconnected) |
| 201 | PLLV | A | Analog 1.2V power supply for PLL |
| 202 | PLLHV | A | Analog 3.3V power supply for PLL |
| 203 | RSV1 | I | Reserved (unconnected) |
| 204 | CLKIN | I | Clock input |
| 205 | CLKMODE0 | I | PLL input clock selection: Clkin or X'tal |
| 206 | DVDD | S | 3.3V power supply |
| 207 | VSS | GND | Ground |
| 208 | CVDD | S | 1.2V power supply |

IC516, 518: YSS930 (DSP P.C.B.)
DSP



IC516, 518: YSS930 (DSP P.C.B.)
DSP

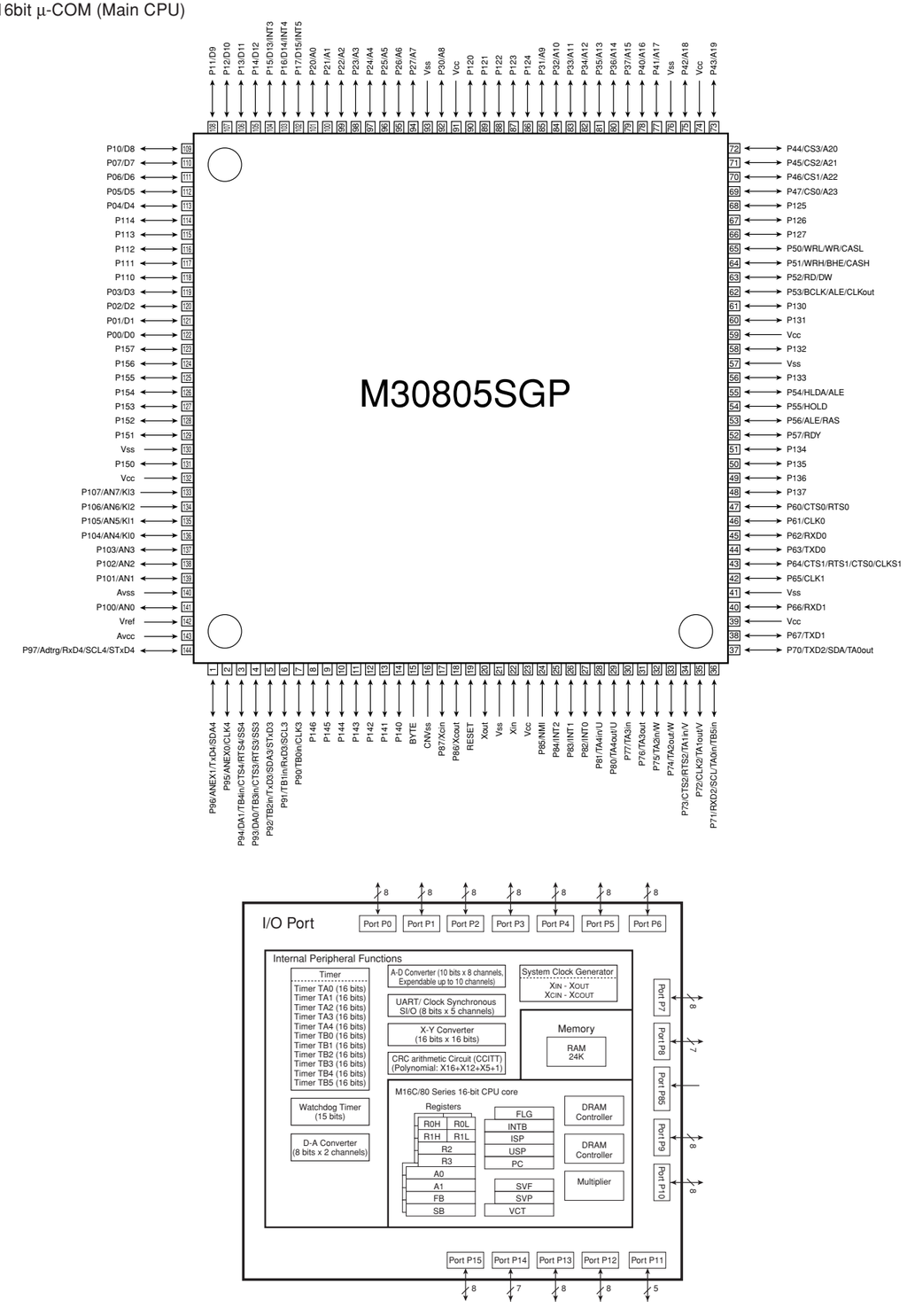
| No. | Name | I/O | Function |
|---|---|---|---|
| 1 | VSS | - | Digital ground terminal |
| 2 | XO | O | Terminal for connecting crystal oscillator |
| 3 | XI | I | Terminal for connecting crystal oscillator (12.288 ～ 15.0MHz) |
| 4 | IOPORT0 | I+/O | General purpose input/output terminal, SDO0 Lch zero-flag output terminal, input/output terminal for branching program conditions |
| 5 | IOPORT1 | I+/O | General purpose input/output terminal, SDO0 Rch zero-flag output terminal, input/output terminal for branching program conditions |
| 6 | IOPORT2 | I+/O | General purpose input/output terminal, SDO1 Lch zero-flag output terminal, input/output terminal for branching program conditions |
| 7 | IOPORT3 | I+/O | General purpose input/output terminal, SDO1 Rch zero-flag output terminal, input/output terminal for branching program conditions |
| 8 | IOPORT4 | I+/O | General purpose input/output terminal, SDO2 Lch zero-flag output terminal, input/output terminal for branching program conditions |
| 9 | IOPORT5 | I+/O | General purpose input/output terminal, SDO2 Rch zero-flag output terminal, input/output terminal for branching program conditions |
| 10 | IOPORT6 | I+/O | General purpose input/output terminal, SDO3 Lch zero-flag output terminal, input/output terminal for branching program conditions |
| 11 | IOPORT7 | I+/O | General purpose input/output terminal, SDO3 Rch zero-flag output terminal, input/output terminal for branching program conditions |
| 12 | AVSS | - | Analog ground terminal (for PLL) |
| 13 | CPO | A | Terminal for connecting PLL filter |
| 14 | AVDD | - | +2.5V digital power supply (for PLL) |
| 15 | VDD1 | - | +3.3V digital power supply (for input/output terminal) |
| 16 | (NC) | - | (Unconnected) |
| 17 | IOPORT8 | I+/O | General purpose input/output terminal, SD04 Lch zero-flag output terminal |
| 18 | IOPORT9 | I+/O | General purpose input/output terminal, SD04 Rch zero-flag output terminal |
| 19 | IOPORT10 | I+/O | General purpose input/output terminal, SD05 Lch zero-flag output terminal |
| 20 | IOPORT11 | I+/O | General purpose input/output terminal, SD05 Rch zero-flag output terminal |
| 21 | IOPORT12 | I+/O | General purpose input/output terminal, SD06 Lch zero-flag output terminal, input terminal 0 for chip address setting |
| 22 | IOPORT13 | I+/O | General purpose input/output terminal, SD06 Rch zero-flag output terminal, input terminal 1 for chip address setting |
| 23 | IOPORT14 | I+/O | General purpose input/output terminal, SD07 Lch zero-flag output terminal, input terminal 2 for chip address setting |
| 24 | IOPORT15 | I+/O | General purpose input/output terminal, SD07 Rch zero-flag output terminal, input terminal 3 for chip address setting |
| 25 | VDD2 | - | +2.5V digital power supply (for internal circuit) |
| 26 | VSS | - | Digital ground terminal |
| 27 | SDO0 | O | PCM output terminal |
| 28 | SDO1 | O | PCM output terminal |
| 29 | SDO2 | O | PCM output terminal |
| 30 | SDO3 | O | PCM output terminal |
| 31 | SDO4 | O | PCM output terminal |
| 32 | SDO5 | O | PCM output terminal |
| 33 | SDO6 | O | PCM output terminal |
| 34 | SDO7 | O | PCM output terminal |
| 35 | IOPORT16 | I+/O | General purpose input/output terminal, overflow detect output terminal |
| 36 | IOPORT17 | I+/O | General purpose input/output terminal, program end detect output terminal |
| 37 | IOPORT18 | I+/O | General purpose input/output terminal, 64fs clock output terminal |
| 38 | IOPORT19 | I+/O | General purpose input/output terminal, fs clock output terminal |
| 39 | VDD1 | - | +3.3V digital power supply (for input/output terminal) |
| 40 | RAMD0 | I+/O | Data input/output terminal 0 for external memory |
| 41 | RAMD1 | I+/O | Data input/output terminal 1 for external memory |
| 42 | RAMD2 | I+/O | Data input/output terminal 2 for external memory |
| 43 | RAMD3 | I+/O | Data input/output terminal 3 for external memory |
| 44 | RAMD4 | I+/O | Data input/output terminal 4 for external memory |
| 45 | RAMD5 | I+/O | Data input/output terminal 5 for external memory |
| 46 | RAMD6 | I+/O | Data input/output terminal 6 for external memory |
| 47 | RAMD7 | I+/O | Data input/output terminal 7 for external memory |
| 48 | RAMD8 | I+/O | Data input/output terminal 8 for external memory |
| 49 | RAMD9 | I+/O | Data input/output terminal 9 for external memory |
| 50 | VDD2 | - | +2.5V digital power supply (for internal circuit) |
| 51 | VSS | - | Digital ground terminal |
| 52 | RAMD10 | I+/O | Data input/output terminal 10 for external memory |
| 53 | RAMD11 | I+/O | Data input/output terminal 11 for external memory |
| 54 | RAMD12 | I+/O | Data input/output terminal 12 for external memory |
| 55 | VDD1 | - | +3.3V digital power supply (for input/output terminal) |
| 56 | RAMD13 | I+/O | Data input/output terminal 13 for external memory |

IC516, 518: YSS930 (DSP P.C.B.)
DSP

| No. | Name | I/O | Function |
|---|---|---|---|
| 57 | RAMD14 | I+/O | Data input/output terminal 14 for external memory |
| 58 | RAMD15 | I+/O | Data input/output terminal 15 for external memory |
| 59 | CASN | O | Column address strobe output terminal for external DRAM |
| 60 | RAMWEN | O | Write enable output terminal for external memory |
| 61 | RAMOEN | O | Output enable output terminal for external memory |
| 62 | RASN | O | Low address strobe output terminal for external DRAM |
| 63 | RAMA8 | O | Address output terminal 8 for external memory |
| 64 | RAMA7 | O | Address output terminal 7 for external memory |
| 65 | RAMA0 | O | Address output terminal 0 for external memory |
| 66 | RAMA6 | O | Address output terminal 6 for external memory |
| 67 | RAMA1 | O | Address output terminal 1 for external memory |
| 68 | VDD1 | - | +3.3V digital power supply (for input/output terminal) |
| 69 | RAMA5 | O | Address output terminal 5 for external memory |
| 70 | RAMA2 | O | Address output terminal 2 for external memory |
| 71 | RAMA4 | O | Address output terminal 4 for external memory |
| 72 | RAMA3 | O | Address output terminal 3 for external memory |
| 73 | RAMA9 | O | Address output terminal 9 for external memory |
| 74 | RAMA10 | O | Address output terminal 10 for external memory |
| 75 | VDD2 | - | +2.5V digital power supply (for internal circuit) |
| 76 | VSS | - | Digital ground terminal |
| 77 | RAMA11 | O | Address output terminal 11 for external memory |
| 78 | RAMA12 | O | Address output terminal 12 for external memory |
| 79 | RAMA13 | O | Address output terminal 13 for external memory |
| 80 | RAMA14 | O | Address output terminal 14 for external memory |
| 81 | RAMA15 | O | Address output terminal 15 for external memory |
| 82 | RAMA16 | O | Address output terminal 16 for external memory |
| 83 | RAMA17 | O | Address output terminal 17 for external memory |
| 84 | VDD1 | - | +3.3V digital power supply (for input/output terminal) |
| 85 | /CS | Is | Microprocessor interface chip select input terminal |
| 86 | SO | Ot | Microprocessor interface data output terminal |
| 87 | SI | Is | Microprocessor interface data input terminal |
| 88 | SCK | Is | Microprocessor interface clock input terminal |
| 89 | /IC | Is | Initial clear input terminal |
| 90 | SDWCK | I | Word clock (fs) input terminal for SDI/SDO interface |
| 91 | SDBCK | Is | Bit clock (64fs) input terminal for SDI/SDO interface |
| 92 | SDI7 | I | PCM input terminal |
| 93 | SDI6 | I | PCM input terminal |
| 94 | SDI5 | I | PCM input terminal |
| 95 | SDI4 | I | PCM input terminal |
| 96 | SDI3 | I | PCM input terminal |
| 97 | SDI2 | I | PCM input terminal |
| 98 | SDI1 | I | PCM input terminal |
| 99 | SDI0 | I | PCM input terminal |
| 100 | VDD2 | - | +2.5V digital power supply (for internal circuit) |

Is: Schmidt trigger input terminal
I+: Input terminal with pull-up resistor
O: Digital output terminal
Ot: 3-state digital output terminal
A: Analog terminal

IC520 : M30805SGP (FUNCTION P.C.B)
16bit μ-COM (Main CPU)







IC520 : M30805SGP (FUNCTION P.C.B)
16bit μ-COM (Main CPU)

| Pin | Pin function | Function | Name | Detail of function | I/O | On | Off | Backup |
|---|---|---|---|---|---|---|---|---|
| 1 | P96/ANEX1/TxD4/SDA4/SRxD4 | TxD4 | TXDR | 232C TX data / YDC TX data | SO | O | OL | OL |
| 2 | P95/ANEX0/CLK4 | CLK4 | RTS | 232C RTS / YDC clock | SCK | I/O | OL | OL |
| 3 | P94/DA1/TB4in/CTS4/RTS4/SS4 | P94 | CTS | 232C CTS | I | I | I | OL |
| 4 | P93/DA0/TB3in/CTS3/RTS3/SS3 | DA0 | FAN | Fan control | DA-O | I | I | OL |
| 5 | P92/TB2in/TxD3/SDA3/SRxD3 | TxD3 | SDIN | None audio TX data | SO | SO | OL | OL |
| 6 | P91/TB1in/RxD3/SCL3/STxD3 | RxD3 | RXRDS | RDS RX data / Freq data (R ver) | SI | SI | I | OL |
| 7 | P90/TB0in/CLK3 | CLK3 | SCKN | None audio serial clock | SCK | SCK | OL | OL |
| 8 | P146 | P146 | CEB | BU2092 CE / ZONE2 function | O / I | O | OL | OL |
| 9 | P145 | P145 | CES | OSD CE / NTSC ? PAL format | O / I | O | OL | OL |
| 10 | P144 | P144 | RDSE | RDS CE / RDS function | O / I | O | OL | OL |
| 11 | P143 | P143 | CEF | FL CE / Model detect 0 | O / I | O | OL | OL |
| 12 | P142 | P142 | /FLR | FL IC reset / Model detect 1 | O / I | O | OL | OL |
| 13 | P141 | P141 | RDTP | PLL IC RX data | I | I | I | OL |
| 14 | P140 | P140 | SDTP | PLL IC TX data / Tuner exist | O / I | O | OL | OL |
| 15 | BYTE | BYTE | BYTE | 16bit data bus: VSS | VSS | VSS | VSS | VSS |
| 16 | CNVss | CNVss | CNVss | Processor mode choice | VCC | VCC | VCC | VCC |
| 17 | P87/Xcin | P87 | BT232C | 232C boot signal / 6ch input key | I (PU) | I | I | OL |
| 18 | P86/Xcout | P86 | BTYDC | YDC boot signal (Flash ROM write) | I | I | I | OL |
| 19 | RESET | RESET | /RES | Reset | I | - | - | - |
| 20 | Xout | Xout | XOUT | Clock out | OPEN | - | - | - |
| 21 | Vss | Vss | VSS | Ground | VSS | VSS | VSS | VSS |
| 22 | Xin | Xin | XIN | Clock in | 12MHz | - | - | - |
| 23 | Vcc | Vcc | VCC | +5V | VCC | VCC | VCC | VCC |
| 24 | P85/NMI | NMI | NMI | Un-use (VCC with R) | VCC | VCC | VCC | VCC |
| 25 | P84/INT2 | INT2 | REM1 | Remote controller pulse | INT (LoEdge) | I | I | OL |
| 26 | P83/INT1 | INT1 | PSW | Power SW | INT (HiEdge) | I | I | OL |
| 27 | P82/INT0 | INT0 | PDET | Power detect | INT (LoEdge) | I | I | I |
| 28 | P81/TA4in/U | TA4in | VSY | Vertical sync pulse | Lo Edge | I | I | OL |
| 29 | P80/TA4out/U | P80 | /ICY | IC YSS IC | O | O | OL | OL |
| 30 | P77/TA3in | TA3in | RXDR | 232C RX data | Double Edge | I | I | OL |
| 31 | P76/TA3out | P76 | DMT | Digital full mute | O | O | OL | OL |
| 32 | P75/TA2in/W | TA2in | INT_TI | DIR, TI (DA601) interrupt | INT (LoEdge) | I | I | OL |
| 33 | P74/TA2out/W | P74 | VBIT | Digital full mute rear L/R | I | I | I | OL |
| 34 | P73/CTS2/RTS2/TA1in/V | CTS2 | CEP | PLL IC CE / Tuner step 1 | I / O | O | OL | OL |
| 35 | P72/CLK2/TA1out/V | P72 | SCKP | PLL IC clock / Tuner step 0 | I / O | O | OL | OL |
| 36 | P71/RxD2/SCL2/TA0in/TB5in | SCL2 | SCL | IIC bus clock | I / O | I/O | OL | OL |
| 37 | P70/TxD2/SDA2/TA0out | SDA | SDA | IIC bus data | I / O | I/O | OL | OL |
| 38 | P67/TxD1 | TxD1 | SDM | DIR, TI (DA601), YSS930, DAC TX | SO | SO | OL | OL |
| 39 | Vcc | Vcc | VCC | +5V | VCC | VCC | VCC | VCC |
| 40 | P66/RxD1 | RxD1 | SDO | DIR, TI (DA601), YSS930, DAC RX | SI | SI | I | OL |
| 41 | Vss | Vss | VSS | Ground | VSS | VSS | VSS | VSS |
| 42 | P65/CLK1 | CLK1 | SCK | DIR, TI (DA601), YSS930, DAC clock | SCK | SCK | OL | OL |
| 43 | P64/CTS1/RTS1/CTS0/CLKS1 | P64 | /CSY | YSS930 CE | O | O | OL | OL |
| 44 | P63/TxD0 | TxD0 | DTEV | E-Volume TX data | SO | SO | OL | OL |
| 45 | P62/RxD0 | P62 | CEEV | E-Volume CE | O | O | OL | OL |
| 46 | P61/CLK0 | CLK0 | CKEV | E-Volume clock | SCK | SCK | OL | OL |
| 47 | P60/CTS0/RTS0 | P60 | /CSTI | TI (DA601) CE | O | O | OL | OL |
| 48 | P137 | P137 | /CSDIR | DIR CE | O | O | OL | OL |
| 49 | P136 | P136 | INTFCT | Interrupt factor DIR or TI (DA601) | I | I | I | OL |
| 50 | P135 | P135 | /RCLK | Recout SW control (ROHM) clock | O | O | OL | OL |
| 51 | P134 | P134 | /RTXD | Recout SW control (ROHM) data | O | O | OL | OL |
| 52 | P57/RDY | RDY | /RDY | +5V fix | VCC | VCC | VCC | VCC |
| 53 | P56/ALE/RAS | ALE | ALE | Open | OPEN | OPEN | OPEN | OPEN |
| 54 | P55/HOLD | HOLD | /HOLD | +5V fix | VCC | VCC | VCC | VCC |
| 55 | P54/HLDA/ALE | HLDA | HLDA | Open | OPEN | OPEN | OPEN | OPEN |
| 56 | P133 | P133 | /CSDAC | DAC CE | O | O | OL | OL |
| 57 | Vss | Vss | VSS | Ground | VSS | VSS | VSS | VSS |
| 58 | P132 | P132 | /MIC | Mic detect | I | I | I | OL |
| 59 | Vcc | Vcc | VCC | +5V | VCC | VCC | VCC | VCC |
| 60 | P131 | P131 | TISPIRDY | TI (DA601) Serial Ready | I | I | I | OL |
| 61 | P130 | P130 | /ICD | IC DIR IC | O | O | OL | OL |

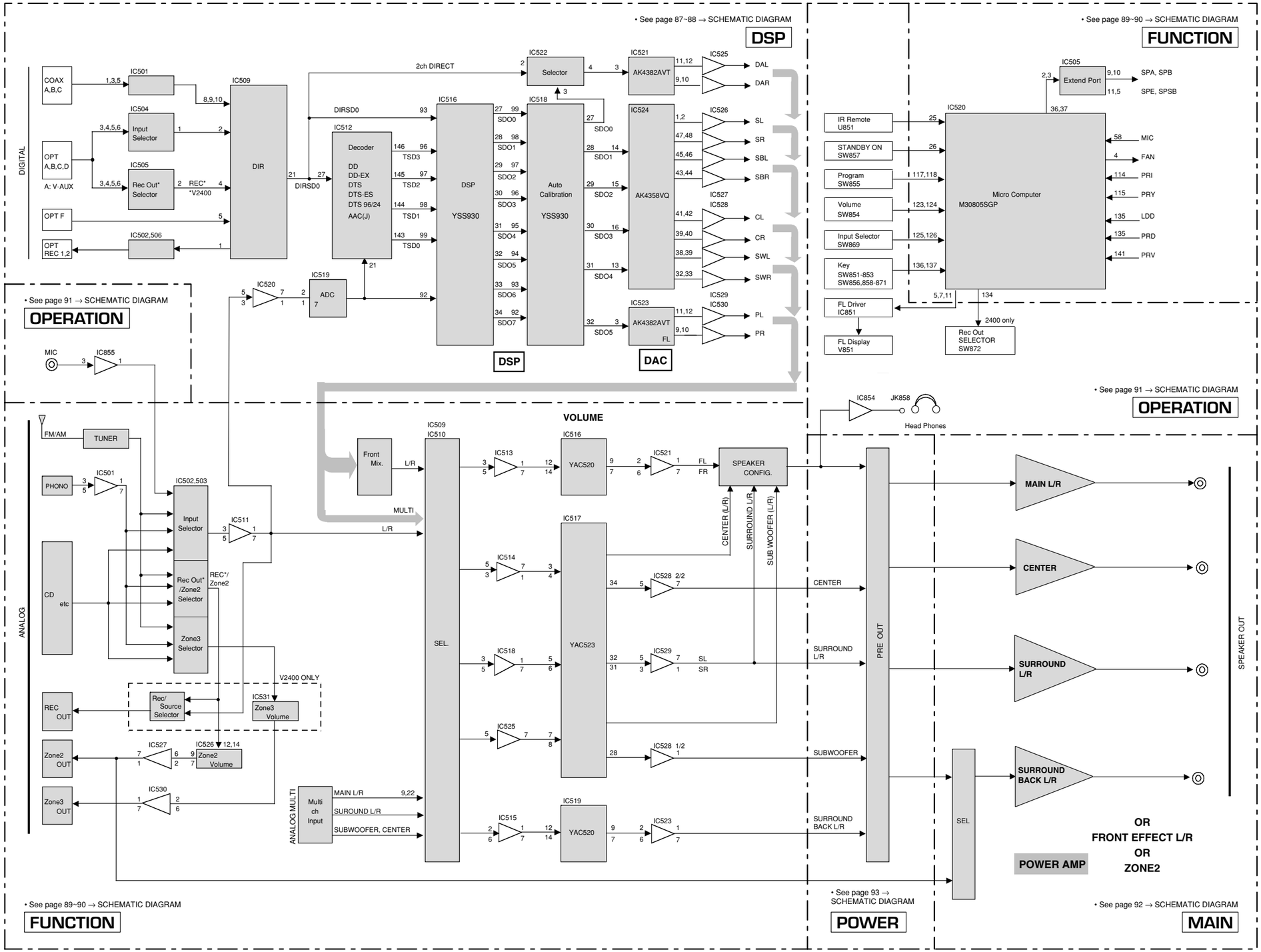
IC520 : M30805SGP (FUNCTION P.C.B)
16bit μ-COM (Main CPU)

| Pin | Pin function | Function | Name | Detail of function | I/O | On | Off | Backup |
|---|---|---|---|---|---|---|---|---|
| 62 | P53/BCLK/ALE/CLKout | BCLK | BCLK | Open | OPEN | OPEN | OPEN | OPEN |
| 63 | P52/RD/DW | RD | /RD | Flash ROM OE | O | - | - | - |
| 64 | P51/WRH/BHE/CASH | WRH | BHE | Open | OPEN | OPEN | OPEN | OPEN |
| 65 | P50/WRL/WR/CASL | WRL | /WR | Flash ROM WE | O | - | - | - |
| 66 | P127 | P127 | CPNTD | Component DVD signal detect | I | I | I | OL |
| 67 | P126 | P126 | SVIDD | S video signal detect | I | I | I | OL |
| 68 | P125 | P125 | /FMS | Full mute SBL / SBR | O | O | OL | OL |
| 69 | P47/CS0/A23 | CS0 | CS0 | Flash ROM CE | O | O | OL | OL |
| 70 | P46/CS1/A22 | CS1 | CS1 | Open | OPEN | OPEN | OPEN | OPEN |
| 71 | P45/CS2/A21 | CS2 | CS2 | Open | OPEN | OPEN | OPEN | OPEN |
| 72 | P44/CS3/A20(MA12) | CS3 | CS3 | Open | OPEN | OPEN | OPEN | OPEN |
| 73 | P43/A19(MA11) | A19 | A19 | External ROM address | - | - | - | - |
| 74 | Vcc | Vcc | VCC | +5V | VCC | VCC | VCC | VCC |
| 75 | P42/A18(MA10) | A18 | A18 | External ROM address | - | - | - | - |
| 76 | Vss | Vss | VSS | Ground | VSS | VSS | VSS | VSS |
| 77 | P41/A17(MA9) | A17 | A17 | External ROM address | - | - | - | - |
| 78 | P40/A16(MA8) | A16 | A16 | External ROM address | - | - | - | - |
| 79 | P37/A15(MA7)(D15) | A15 | A15 | External ROM address | - | - | - | - |
| 80 | P36/A14(MA6)(D14) | A14 | A14 | External ROM address | - | - | - | - |
| 81 | P35/A13(MA5)(D13) | A13 | A13 | External ROM address | - | - | - | - |
| 82 | P34/A12(MA4)(D12) | A12 | A12 | External ROM address | - | - | - | - |
| 83 | P33/A11(MA3)(D11) | A11 | A11 | External ROM address | - | - | - | - |
| 84 | P32/A10(MA2)(D10) | A10 | A10 | External ROM address | - | - | - | - |
| 85 | P31A9(MA1)(D9) | A9 | A9 | External ROM address | - | - | - | - |
| 86 | P124 | P124 | /Z2MT | Zone2 mute | O | O | OL | OL |
| 87 | P123 | P123 | /HPMT | Headphone mute | O | O | OL | OL |
| 88 | P122 | P122 | /FMTSW | Full mute SW L / SW R / SW MONO | O | O | OL | OL |
| 89 | P121 | P121 | /FMTC | Full mute CENTER | O | O | OL | OL |
| 90 | P120 | P120 | /FMTM | Full mute MAIN L/R / RL / RR | O | O | OL | OL |
| 91 | Vcc | Vcc | VCC | +5V | VCC | VCC | VCC | VCC |
| 92 | P30/A8(MA0)(D8) | A8 | A8 | External ROM address | - | - | - | - |
| 93 | Vss | Vss | VSS | Ground | VSS | VSS | VSS | VSS |
| 94 | P27/A7(D7) | A7 | A7 | External ROM address | - | - | - | - |
| 95 | P26/A6(D6) | A6 | A6 | External ROM address | - | - | - | - |
| 96 | P25/A5(D5) | A5 | A5 | External ROM address | - | - | - | - |
| 97 | P24/A4(D4) | A4 | A4 | External ROM address | - | - | - | - |
| 98 | P23/A3(D3) | A3 | A3 | External ROM address | - | - | - | - |
| 99 | P22/A2(D2) | A2 | A2 | External ROM address | - | - | - | - |
| 100 | P21/A1(D1) | A1 | A1 | External ROM address | - | - | - | - |
| 101 | P20/A0(D0) | A0 | A0 | External ROM address | - | - | - | - |
| 102 | P17/D15/INT5 | D15 | D15 | External ROM data | - | - | - | - |
| 103 | P16/D14/INT4 | D14 | D14 | External ROM data | - | - | - | - |
| 104 | P15/D13/INT3 | D13 | D13 | External ROM data | - | - | - | - |
| 105 | P14/D12 | D12 | D12 | External ROM data | - | - | - | - |
| 106 | P13/D11 | D11 | D11 | External ROM data | - | - | - | - |
| 107 | P12/D10 | D10 | D10 | External ROM data | - | - | - | - |
| 108 | P11/D9 | D9 | D9 | External ROM data | - | - | - | - |
| 109 | P10/D8 | D8 | D8 | External ROM data | - | - | - | - |
| 110 | P07/D7 | D7 | D7 | External ROM data | - | - | - | - |
| 111 | P06/D6 | D6 | D6 | External ROM data | - | - | - | - |
| 112 | P05/D5 | D5 | D5 | External ROM data | - | - | - | - |
| 113 | P04/D4 | D4 | D4 | External ROM data | - | - | - | - |
| 114 | P114 | P114 | PRI | I protection detect | I | I | I | OL |
| 115 | P113 | P113 | PRY | Power relay | O | O | OL | OL |
| 116 | P112 | P112 | /Z3MT | Zone3 mute | O | O | OL | OL |
| 117 | P111 | P111 | PGB | Program selector B | I | I | I | OL |
| 118 | P110 | P110 | PGA | Program selector A | I | I | I | OL |
| 119 | P03/D3 | D3 | D3 | External ROM data | - | - | - | - |
| 120 | P02/D2 | D2 | D2 | External ROM data | - | - | - | - |
| 121 | P01/D1 | D1 | D1 | External ROM data | - | - | - | - |
| 122 | P00/D0 | D0 | D0 | External ROM data | - | - | - | - |

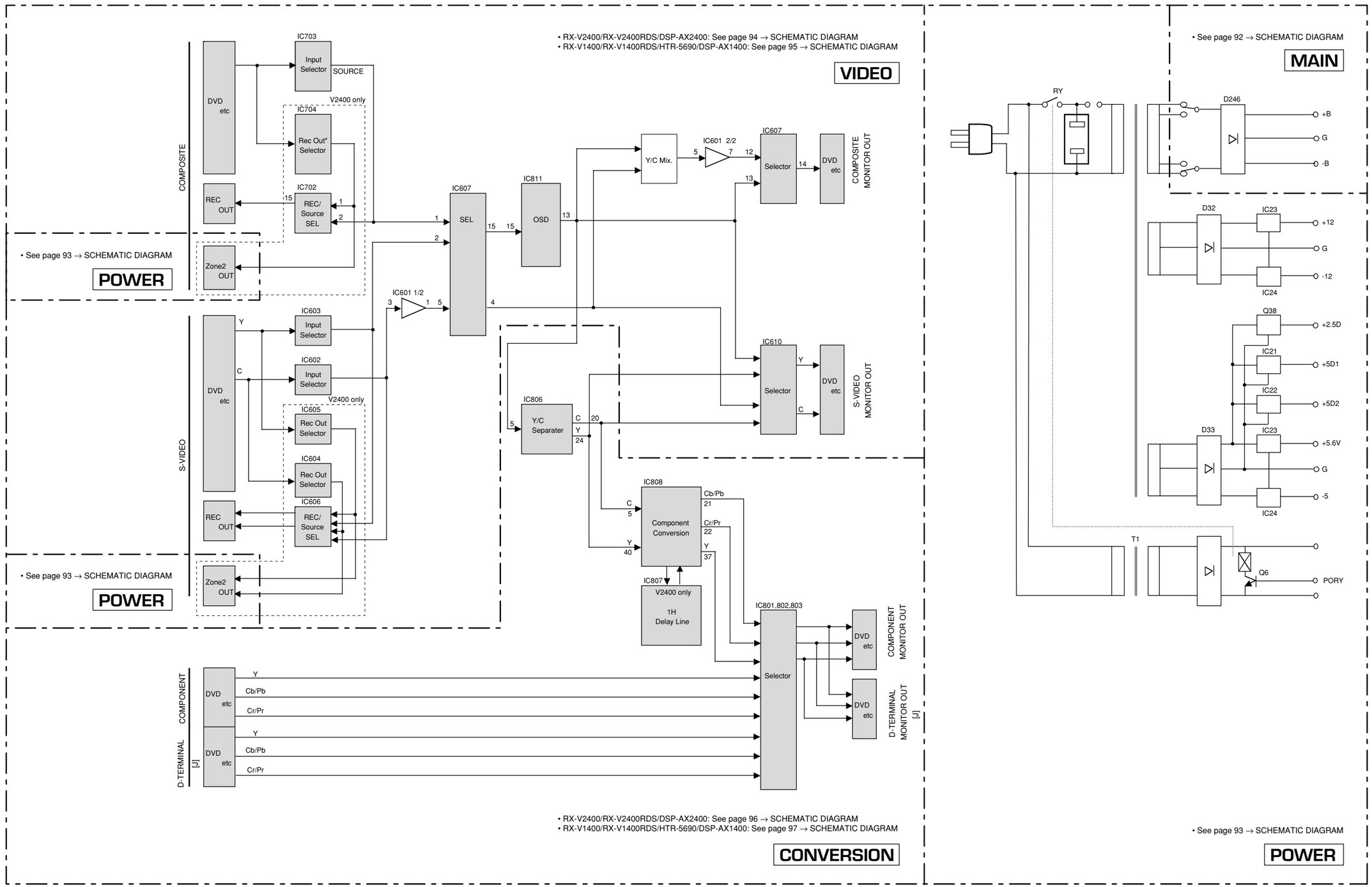
IC520 : M30805SGP (FUNCTION P.C.B)
16bit μ-COM (Main CPU)

| Pin | Pin function | Function | Name | Detail of function | I/O | On | Off | Backup |
|---|---|---|---|---|---|---|---|---|
| 123 | P157 | P157 | VRB | Volume encoder B | I | I | I | OL |
| 124 | P156 | P156 | VRA | Volume encoder A | I | I | I | OL |
| 125 | P155 | P155 | ISB | Input selector B | I | I | I | OL |
| 126 | P154 | P154 | ISA | Input selector A | I | I | I | OL |
| 127 | P153 | P153 | SCKA | Audio IC clock | SCK | SCK | OL | OL |
| 128 | P152 | P152 | SDTA | Audio IC TX data | SO | SO | OL | OL |
| 129 | P151 | P151 | CEL | SANYO IC CE | O | O | OL | OL |
| 130 | Vss | Vss | VSS | Ground | VSS | VSS | VSS | VSS |
| 131 | P150 | P150 | /ICTI | IC TI (DA601) | O | O | OL | OL |
| 132 | Vcc | Vcc | VCC | +5V | VCC | VCC | VCC | VCC |
| 133 | P107/AN7/KI3 | P107 | /HP | Headphone detect | I | I | I | OL |
| 134 | P106/AN6/KI2 | AN6 | REC | Recout selector | AD | I | I | I |
| 135 | P105/AN5/KI1 | AN5 | PLMT | Power limiter detect | AD | I | I | I |
| 136 | P104/AN4/KI0 | AN4 | KY1 | Key SW line 1 | AD | I | I | I |
| 137 | P103/AN3 | AN3 | KY0 | Key SW line 0 | AD | I | I | I |
| 138 | P102/AN2 | AN2 | THM | Temperature detect | AD | I | I | I |
| 139 | P101/AN1 | AN1 | PRD | DC protection | AD | I | I | I |
| 140 | AVss | AVss | AVSS | AD ground | AVSS | AVSS | AVSS | AVSS |
| 141 | P100/AN0 | AN0 | PRV | PS protection | AD | I | I | I |
| 142 | Vref | Vref | VREF | AD reference | AVCC | AVCC | AVCC | AVCC |
| 143 | AVcc | AVcc | AVCC | AD +5V | AVCC | AVCC | AVCC | AVCC |
| 144 | P97/Adtrg/RxD4/SCL4/STxD4 | RxD4 | RXDR | 232C / YDC RX data | SI | I | I | OL |

# ■ BLOCK DIAGRAM (1/2)



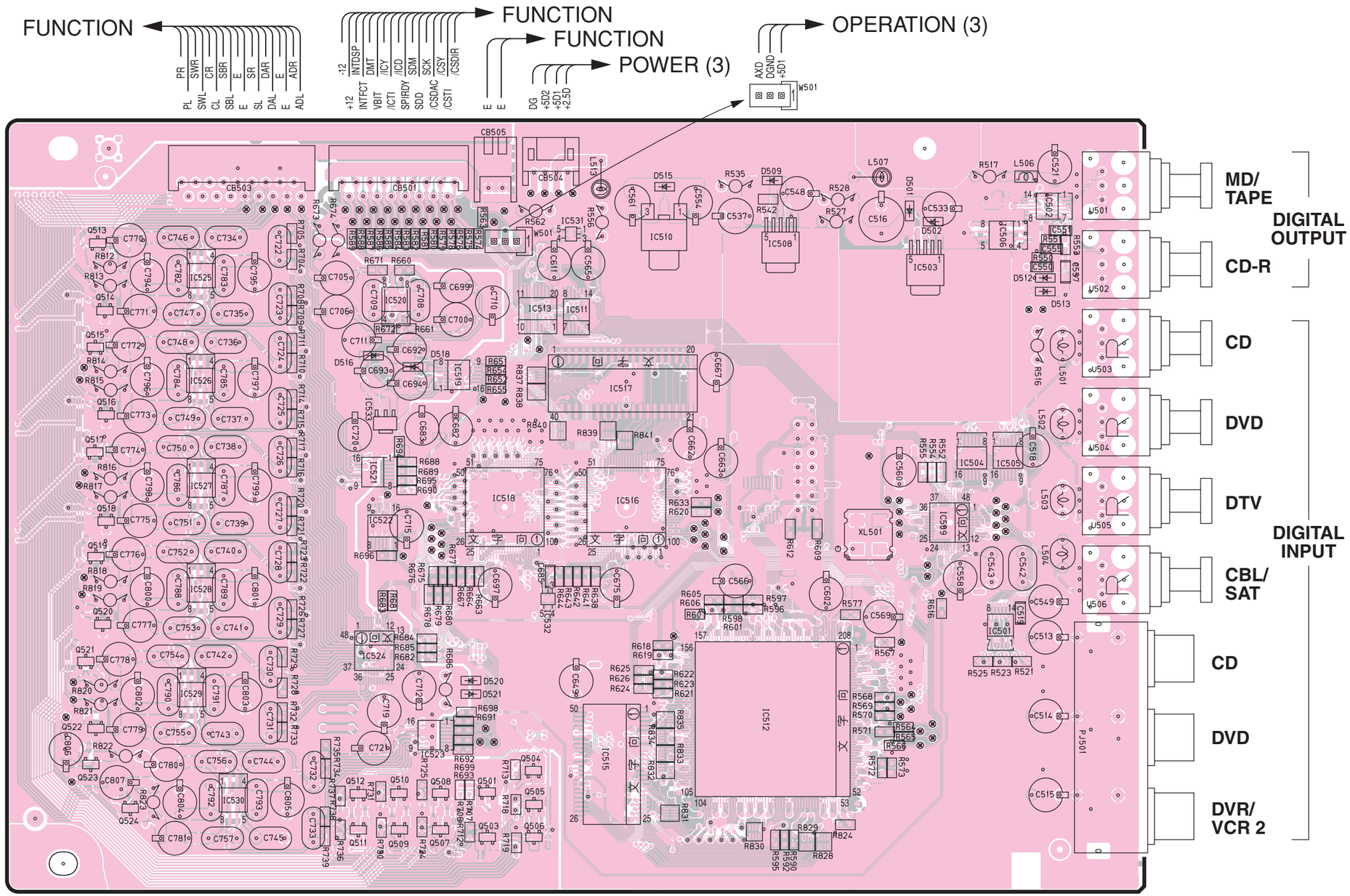
# ■ BLOCK DIAGRAM (2/2)



## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

**DSP P. C. B.** (Lead Type Device)



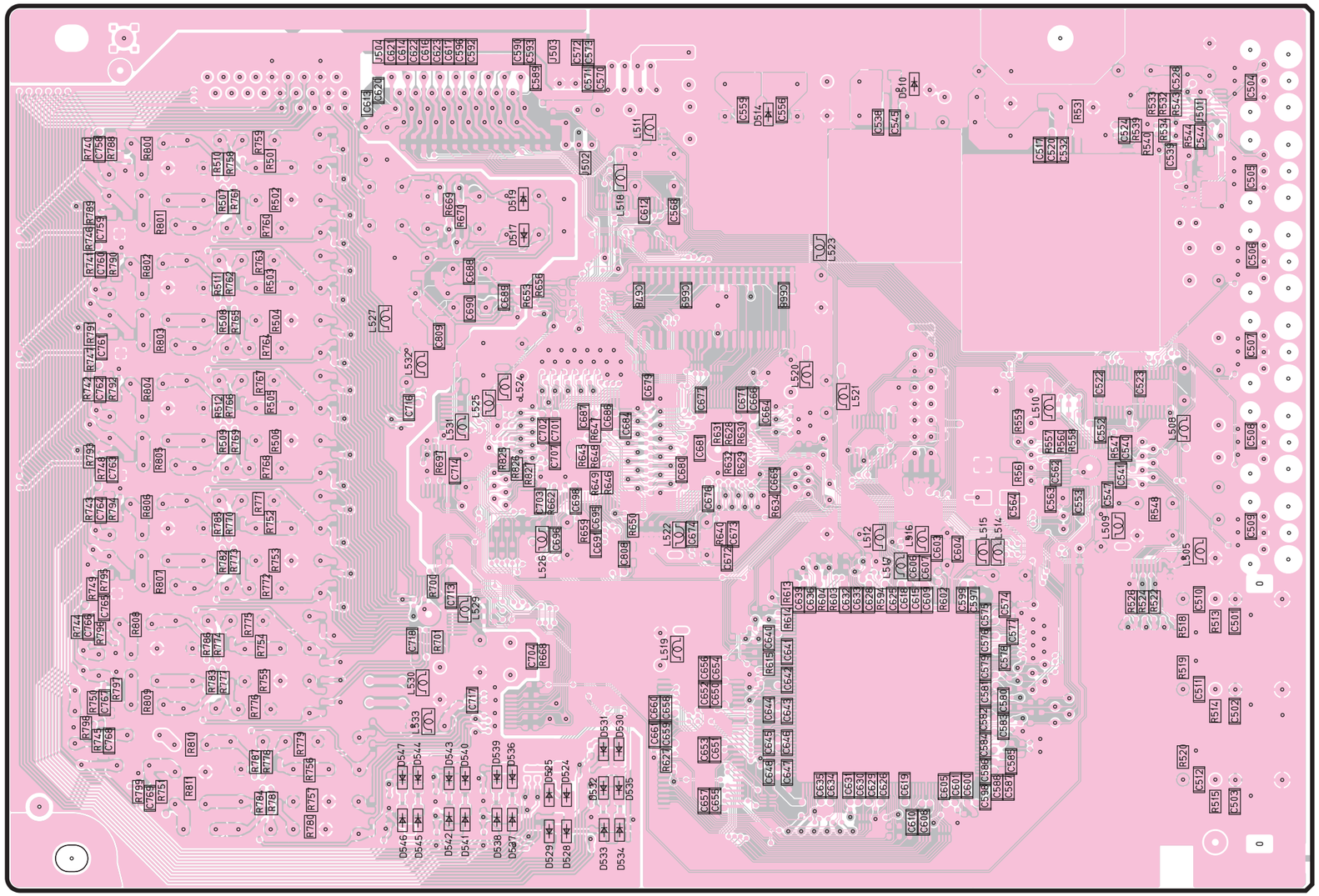

• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D501 | F3 |
| D502 | F3 |
| D509 | F3 |
| D512 | G3 |
| D513 | G3 |
| D515 | E3 |
| D516 | C4 |
| D518 | C4 |
| D520 | D6 |
| D521 | D6 |
| IC501 | G5 |
| IC502 | G3 |
| IC503 | F3 |
| IC504 | G4 |
| IC505 | G4 |
| IC506 | G3 |
| IC508 | F3 |
| IC509 | G5 |
| IC510 | E3 |
| IC511 | D3 |
| IC512 | E6 |
| IC513 | D3 |
| IC515 | E6 |
| IC516 | E4 |
| IC517 | E4 |
| IC518 | D4 |
| IC519 | D4 |
| IC520 | C3 |
| IC521 | C4 |
| IC522 | C5 |
| IC523 | B6 |
| IC524 | C5 |
| IC525 | B3 |
| IC526 | B4 |
| IC527 | B4 |
| IC528 | B5 |
| IC529 | B6 |
| IC530 | B6 |
| IC531 | D3 |
| IC532 | D5 |
| Q501 | D6 |
| Q503 | D6 |
| Q504 | D6 |
| Q505 | D6 |
| Q506 | D6 |
| Q507 | D6 |
| Q508 | D6 |
| Q509 | C6 |
| Q510 | C6 |
| Q511 | C6 |
| Q512 | C6 |
| Q513 | B3 |
| Q514 | B3 |
| Q515 | B4 |
| Q516 | B4 |
| Q517 | B4 |
| Q518 | B5 |
| Q519 | B5 |
| Q520 | B5 |
| Q521 | B5 |
| Q522 | B6 |
| Q523 | B6 |
| Q524 | B6 |

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

**DSP P. C. B.** (Surface Mount Device)



**• Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D510 | F2 |
| D514 | E2 |
| D517 | D3 |
| D519 | D3 |
| D524 | D6 |
| D525 | D6 |
| D528 | D6 |
| D529 | D6 |
| D530 | D6 |
| D531 | D6 |
| D532 | D6 |
| D533 | D6 |
| D534 | D6 |
| D535 | D6 |
| D536 | D6 |
| D537 | D6 |
| D538 | C6 |
| D539 | C6 |
| D540 | C6 |
| D541 | C6 |
| D542 | C6 |
| D543 | C6 |
| D544 | C6 |
| D545 | C6 |
| D546 | C6 |
| D547 | C6 |

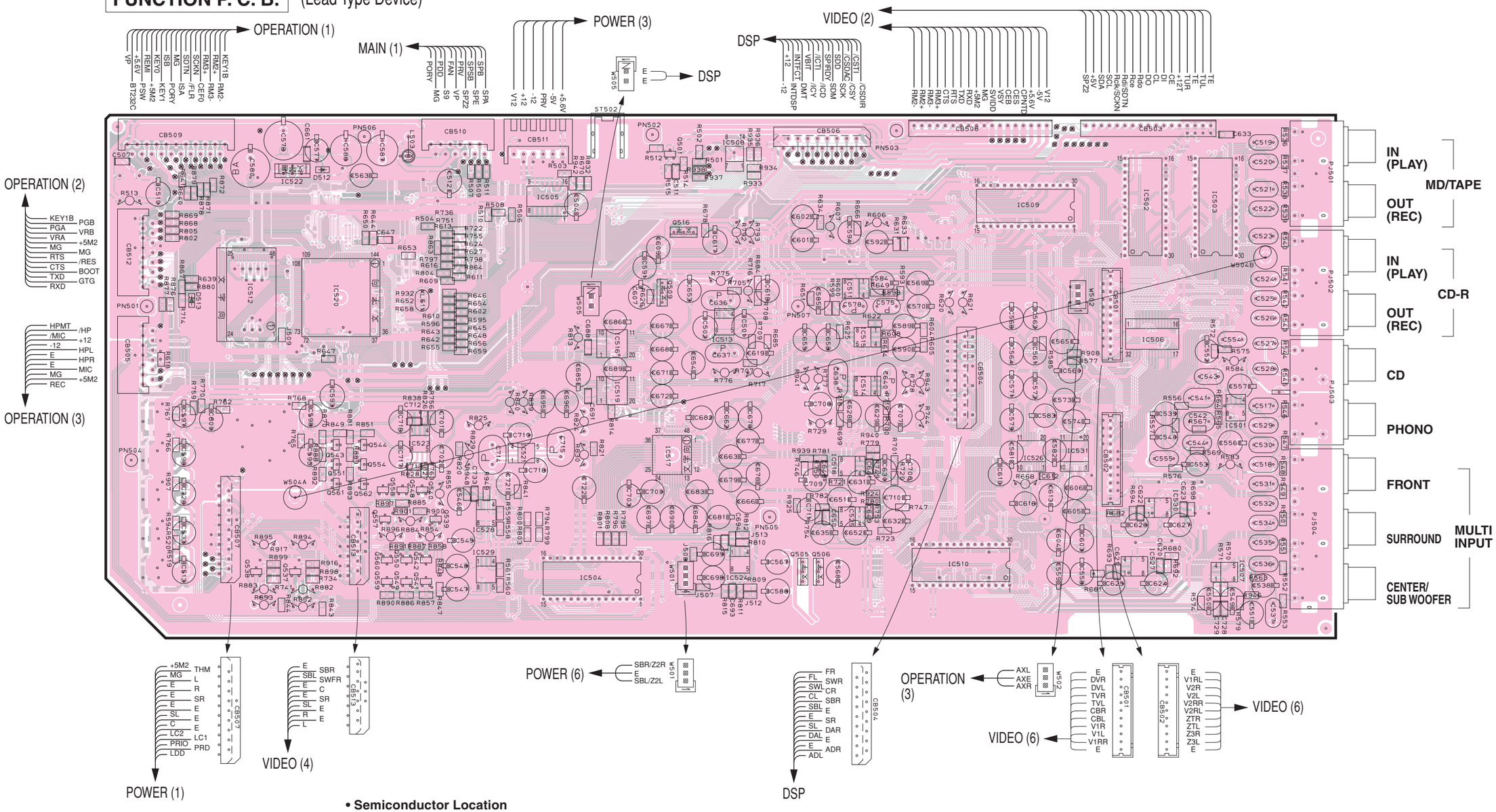
| Circuit No. | J | U, C, R, T, K, A, B, G, L |
|---|---|---|
| R638 | X | O |

X: NOT USED
O: USED / APPLICABLE

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

### FUNCTION P. C. B. (Lead Type Device)



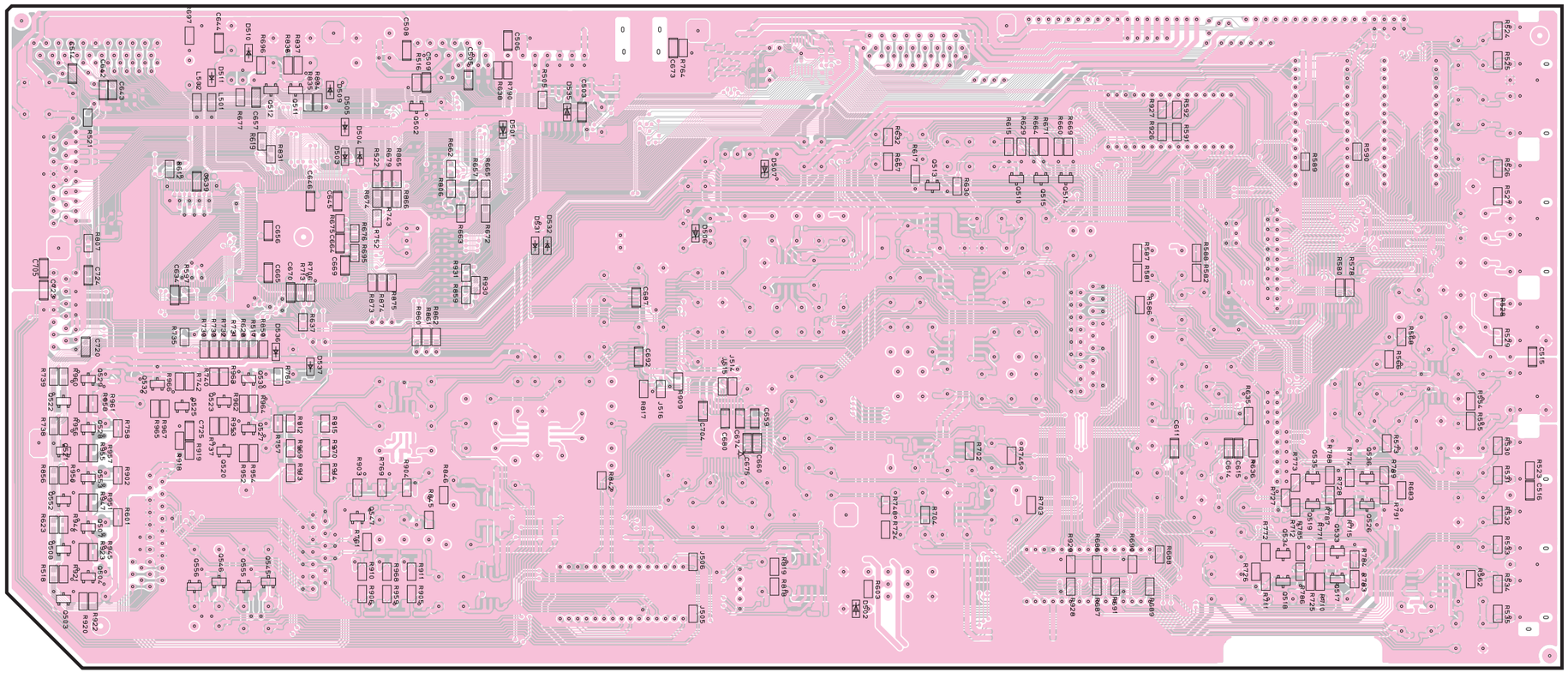

### • Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D512 | C3 | IC505 | D3 | IC511 | F3 | IC517 | E4 | IC523 | C4 | IC529 | D5 | Q509 | E3 | Q541 | C5 | Q550 | C5 | Q560 | C5 |
| D513 | B3 | IC506 | H4 | IC512 | B3 | IC518 | F4 | IC524 | E5 | IC530 | H5 | Q516 | E3 | Q542 | C5 | Q551 | C4 | Q561 | C5 |
| IC501 | H4 | IC507 | H5 | IC513 | E4 | IC519 | E4 | IC525 | F5 | IC531 | H4 | Q537 | C5 | Q543 | C4 | Q554 | C4 | Q562 | C5 |
| IC502 | H3 | IC508 | E2 | IC514 | F4 | IC520 | C3 | IC526 | G4 | Q501 | E2 | Q538 | B5 | Q544 | C4 | Q557 | C5 | | |
| IC503 | H3 | IC509 | G3 | IC515 | F4 | IC521 | D4 | IC527 | H5 | Q505 | F5 | Q539 | D5 | Q548 | C5 | Q558 | C5 | | |
| IC504 | E5 | IC510 | G5 | IC516 | E4 | IC522 | C3 | IC528 | D5 | Q506 | F5 | Q540 | C5 | Q549 | C5 | Q559 | C5 | | |

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

**FUNCTION P. C. B.** (Surface Mount Device)



### • Semiconductor Location

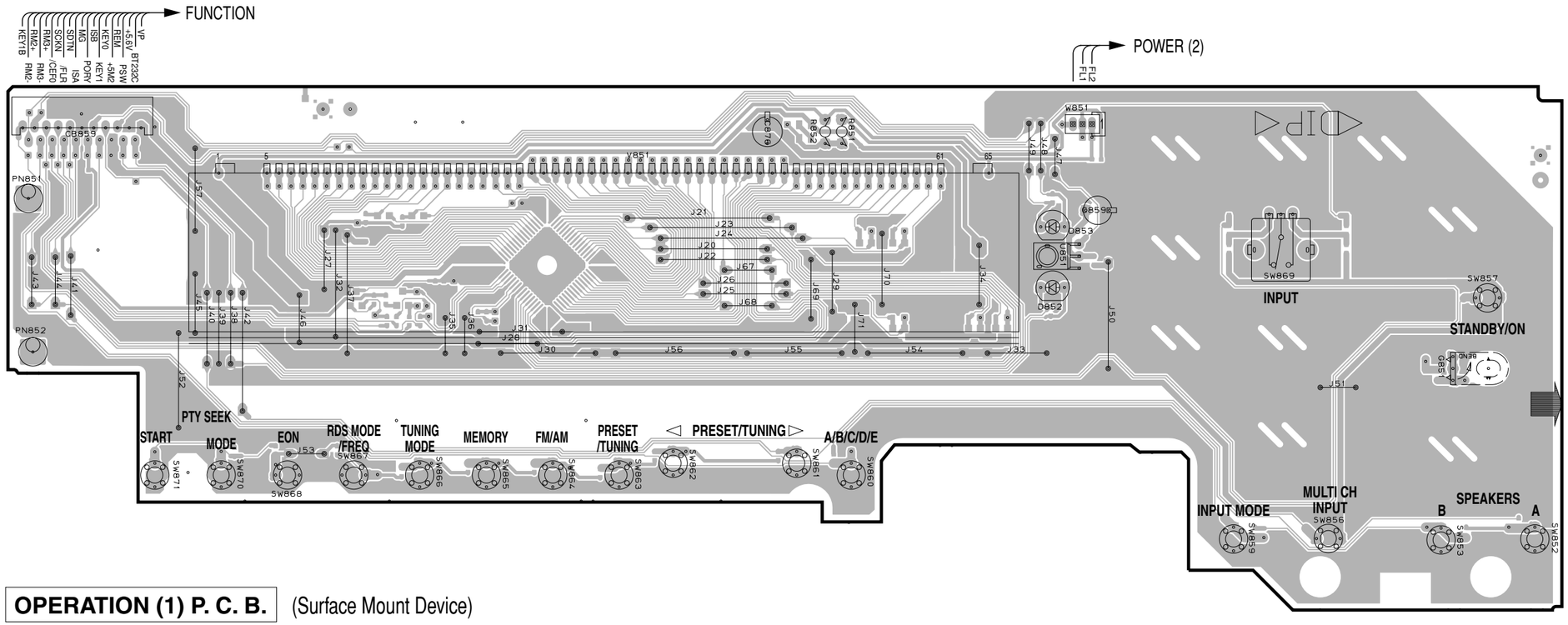
| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D501 | C2 | D509 | C2 | D537 | B4 | Q511 | B2 | Q519 | G4 | Q527 | B4 | Q535 | G4 | Q555 | B5 |
| D502 | E5 | D510 | B2 | Q502 | C2 | Q512 | B2 | Q520 | B4 | Q528 | A4 | Q536 | H4 | Q556 | B5 |
| D503 | C3 | D511 | B2 | Q503 | A5 | Q513 | F3 | Q521 | A4 | Q529 | A4 | Q545 | B5 | | |
| D504 | C3 | D531 | D3 | Q504 | A5 | Q514 | F3 | Q522 | A4 | Q530 | B4 | Q546 | B5 | | |
| D505 | C2 | D532 | D3 | Q507 | A4 | Q515 | F3 | Q523 | B4 | Q532 | B4 | Q547 | C4 | | |
| D506 | D3 | D535 | D2 | Q508 | A5 | Q517 | G5 | Q525 | B4 | Q533 | G5 | Q552 | A4 | | |
| D507 | E3 | D536 | B4 | Q510 | F3 | Q518 | G5 | Q526 | H4 | Q534 | G5 | Q553 | A4 | | |

| Circuit No. | J | U, C | R, L | T, K, B, G | A | Remarks |
|---|---|---|---|---|---|---|
| C517, 518 | X | X | X | O | O | |
| C505, 507, 508, 513, 514, 533, 562, 566, 571, 572, 579, 581, 603, 604, 610~612, 616, 620, 621, 624~627, 692, 693, 712, 715, 720, 723, 724, 921, 922 | X | O | X | X | O | |
| C511 | O | O | O | O | O | 2400 only |
| C560, 565 | X | O | X | X | O | 1400 |
| C560, 565 | O | O | O | O | O | 2400 |
| C561, 564 | X | O | X | X | O | 1400 |
| C573, 574, 582, 583, 605, 606, 613~615, 622, 623 | X | O | X | X | O | 2400 |
| IC506 | X | O | X | X | O | 1400 |
| IC506 | O | O | O | O | O | 2400 |
| IC508 | O | O | O | O | O | 2400 only |
| IC526, 527 | X | O | X | X | O | |
| IC530, 531 | X | O | X | X | O | 2400 only |
| J501, 502 | X | X | X | X | X | |
| J503, 504 | X | O | X | X | O | 1400 |
| J503, 504 | O | O | O | O | O | 2400 |
| J505, 506 | O | X | O | O | X | 1400 |
| J514~516 | X | O | X | X | O | |
| Q501 | O | O | O | O | O | 2400 only |
| Q503, 504, 507, 508, 517~519, 526, 533~536 | X | O | X | X | O | |
| R501, 502, 512, 514, 515, 933~938 | O | O | O | O | O | 2400 only |
| R517~520, 587, 588, 594, 601, 623, 628, 635, 665, 668, 680, 681, 692, 693, 710~712, 715, 725~728, 771~774, 783~789, 791, 920, 923, 944, 945 | X | O | X | X | O | |
| R562 | X | X | O | X | X | |
| R577, 578, 580, 585, 586, 908 | X | O | X | X | O | 1400 |
| R577, 908 | O | O | O | O | O | 2400 |
| R581, 582 | O | X | O | O | X | 2400 |
| R636, 682, 683, 694, 698 | X | O | X | X | O | 2400 |
| R672 | O | X | O | O | X | |

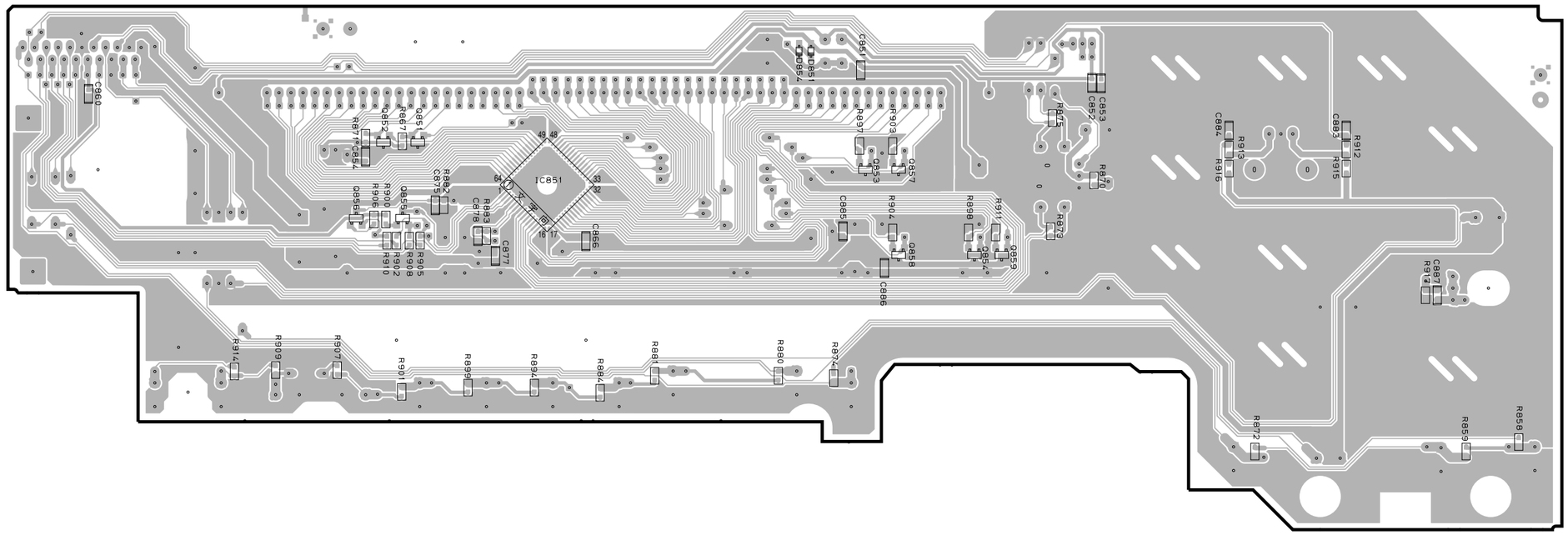
X: NOT USED
O: USED / APPLICABLE

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

**OPERATION (1) P. C. B.** (Lead Type Device) **RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400**




**OPERATION (1) P. C. B.** (Surface Mount Device)




**• Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D851 | E5 |
| D852 | F3 |
| D853 | F3 |
| D854 | E5 |
| IC851 | D6 |
| Q851 | C5 |
| Q852 | C5 |
| Q853 | E5 |
| Q854 | F6 |
| Q855 | C6 |
| Q856 | C6 |
| Q857 | F5 |
| Q858 | F6 |
| Q859 | F6 |

# ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

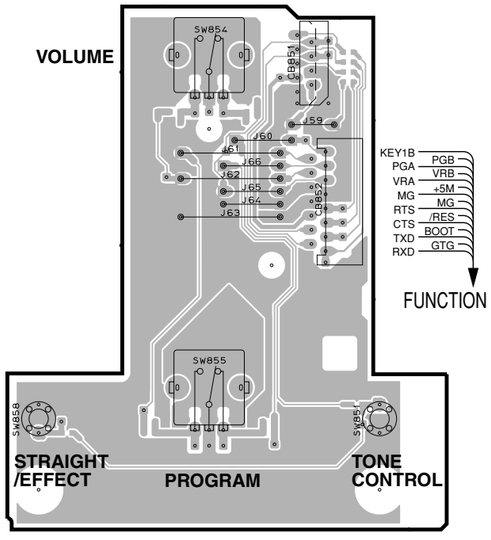
RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

• Semiconductor Location

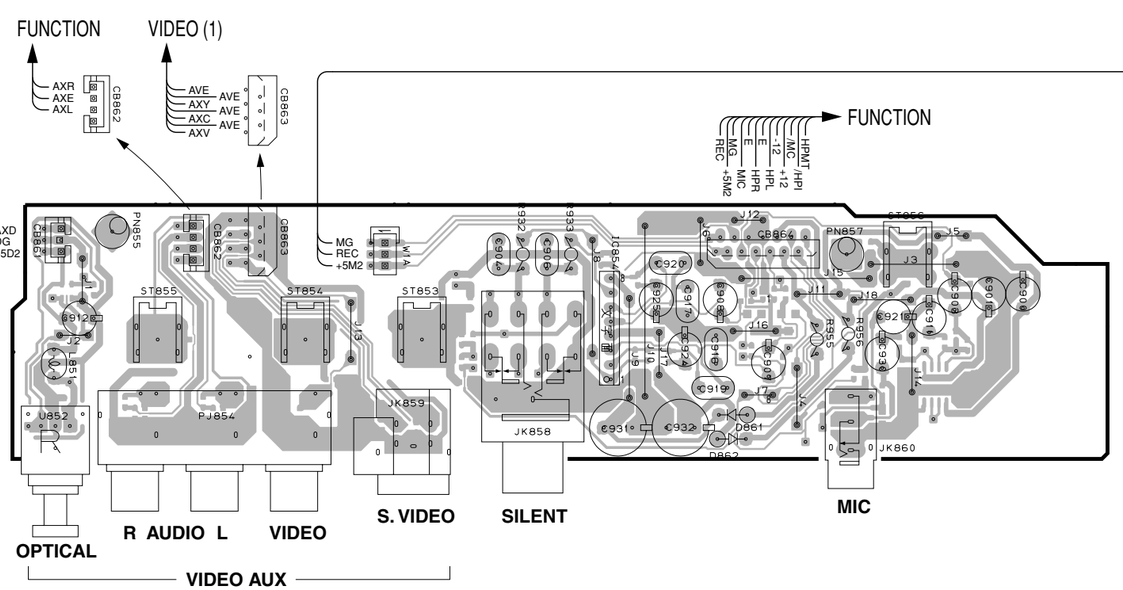
| Ref. No. | Location |
|---|---|
| D860 | G6 |
| D861 | F4 |
| D862 | F4 |
| IC853 | C5 |
| IC854 | F3 |
| IC855 | G6 |
| Q864 | F5 |
| Q865 | F5 |

## OPERATION (2) P. C. B.

(Lead Type Device)



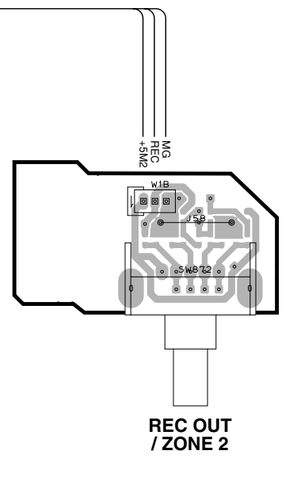

## OPERATION (3) P. C. B. (Lead Type Device)




## OPERATION (4) P. C. B.

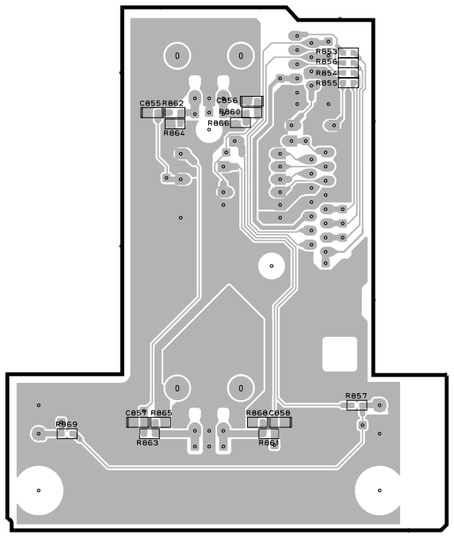
2400 only

(Lead Type Device)

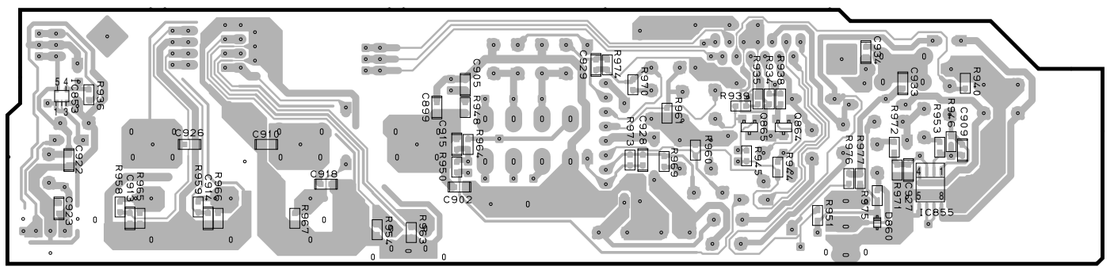



## OPERATION (2) P. C. B.

(Surface Mount Device)



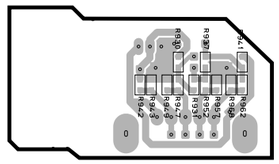
## OPERATION (3) P. C. B. (Surface Mount Device)



## OPERATION (4) P. C. B.

2400 only

(Surface Mount Device)



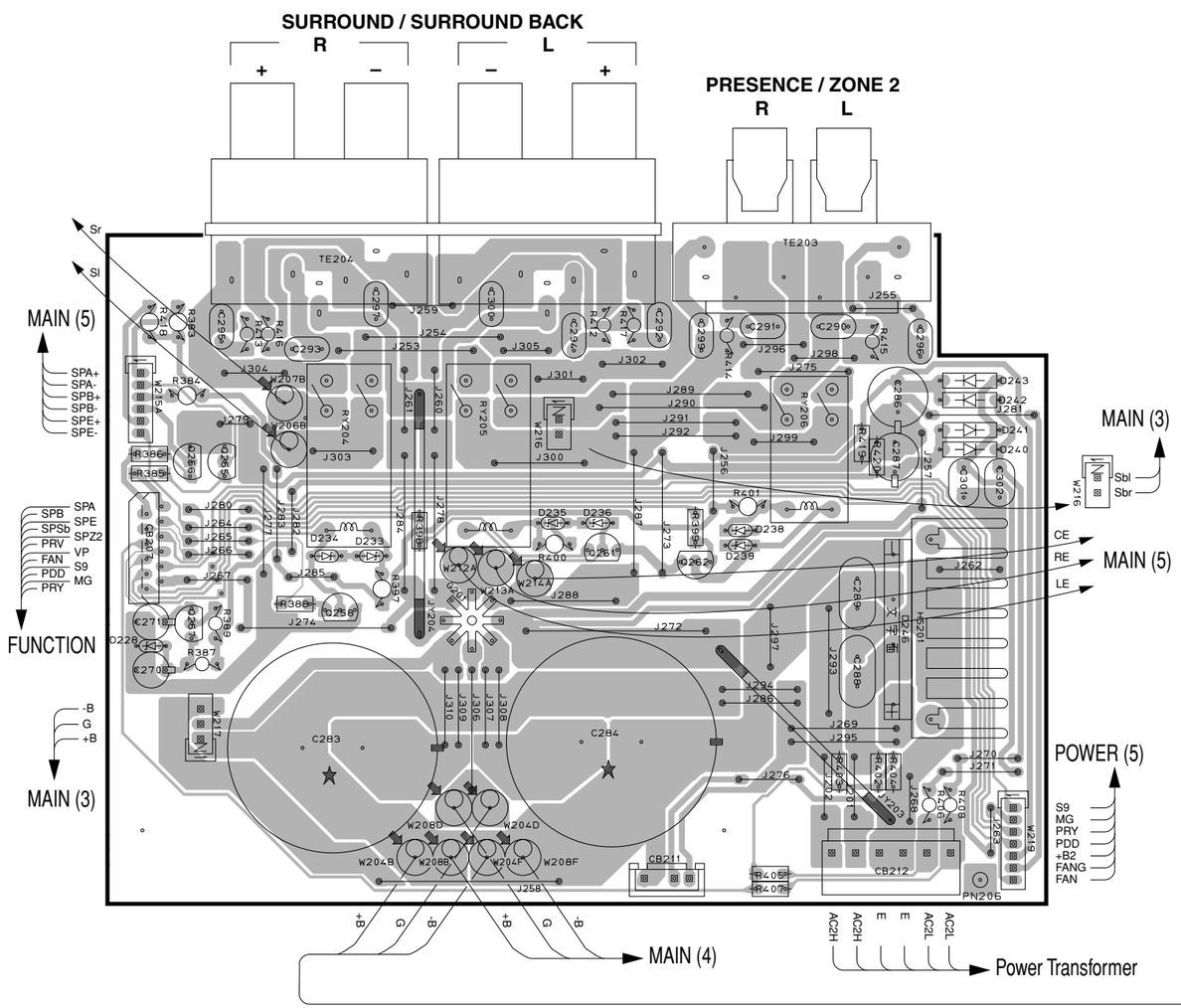
| Circuit No. | J, R, T, K, L | U, C, A | B, G | Remarks |
|---|---|---|---|---|
| D852 | X | O | X | 2400 |
| D853 | X | O | X | |
| R873 | X | O | X | 2400 |
| R875 | X | O | X | |
| R901, 907, 909, 914 | X | X | O | |
| SW867, 868, 870, 871 | X | X | O | |

X: NOT USED
O: USED / APPLICABLE

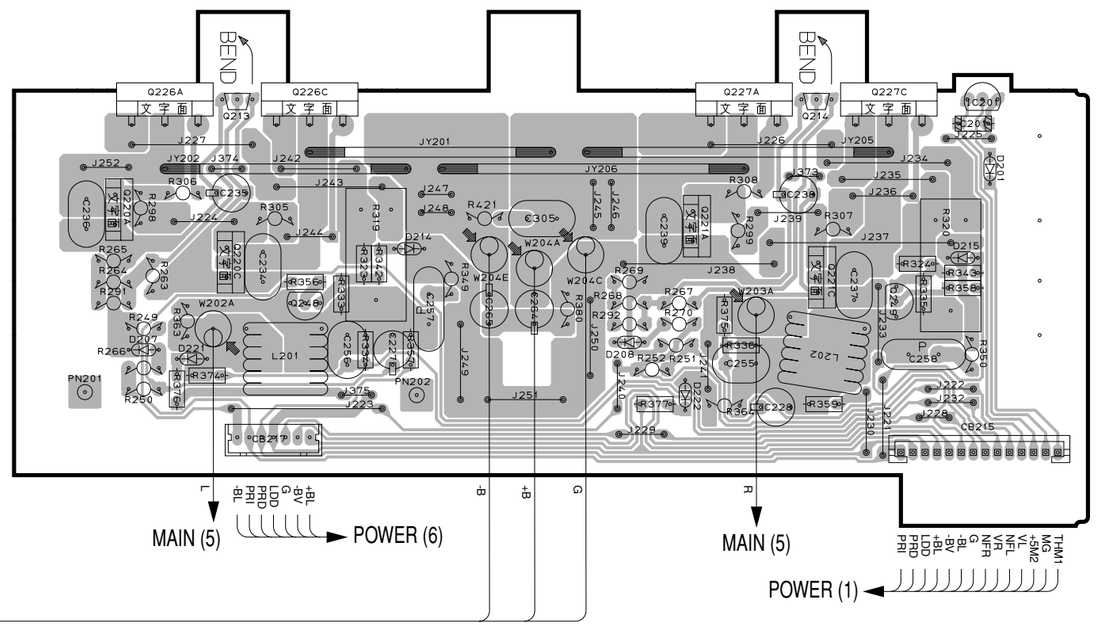
## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

**MAIN (1) P. C. B.** (Lead Type Device)




**MAIN (2) P. C. B.** (Lead Type Device)



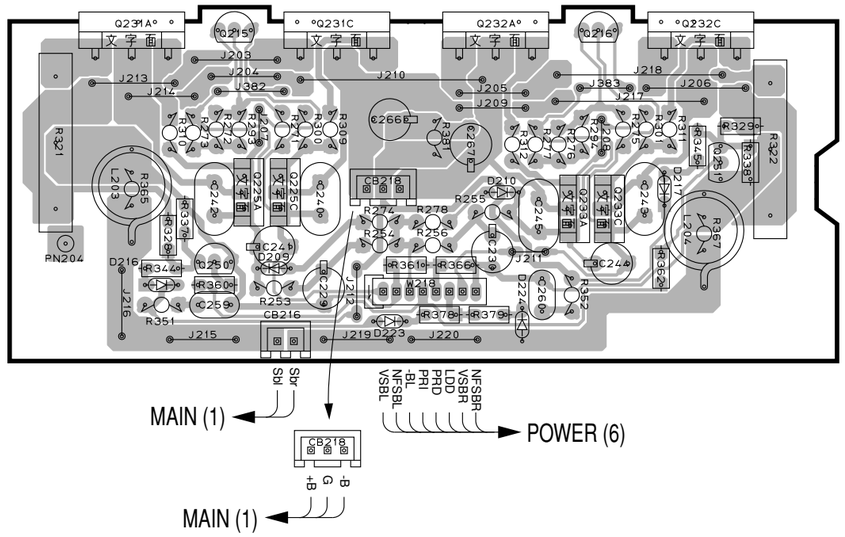

### • Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D201 | J4 | D222 | I5 | D238 | D4 | D246 | E4 | Q221A | I4 | Q248 | G5 | Q262 | D4 |
| D207 | G5 | D228 | B4 | D239 | D4 | IC201 | J4 | Q221C | I4 | Q255 | B4 | | |
| D208 | I5 | D233 | C4 | D240 | E4 | Q213 | G4 | Q226A | G4 | Q256 | B4 | | |
| D214 | H4 | D234 | B4 | D241 | E3 | Q214 | I4 | Q226C | G4 | Q257 | B4 | | |
| D215 | J4 | D235 | C4 | D242 | E3 | Q220A | F4 | Q227A | I4 | Q258 | B4 | | |
| D221 | G5 | D236 | C4 | D243 | E3 | Q220C | G4 | Q227C | J4 | Q261 | C4 | | |

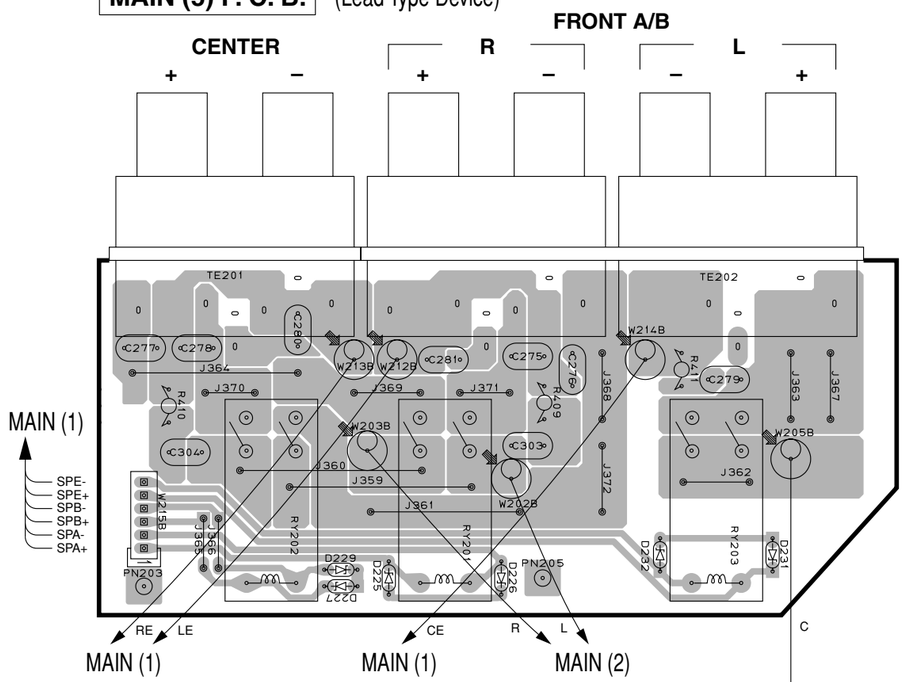
# ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

## RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

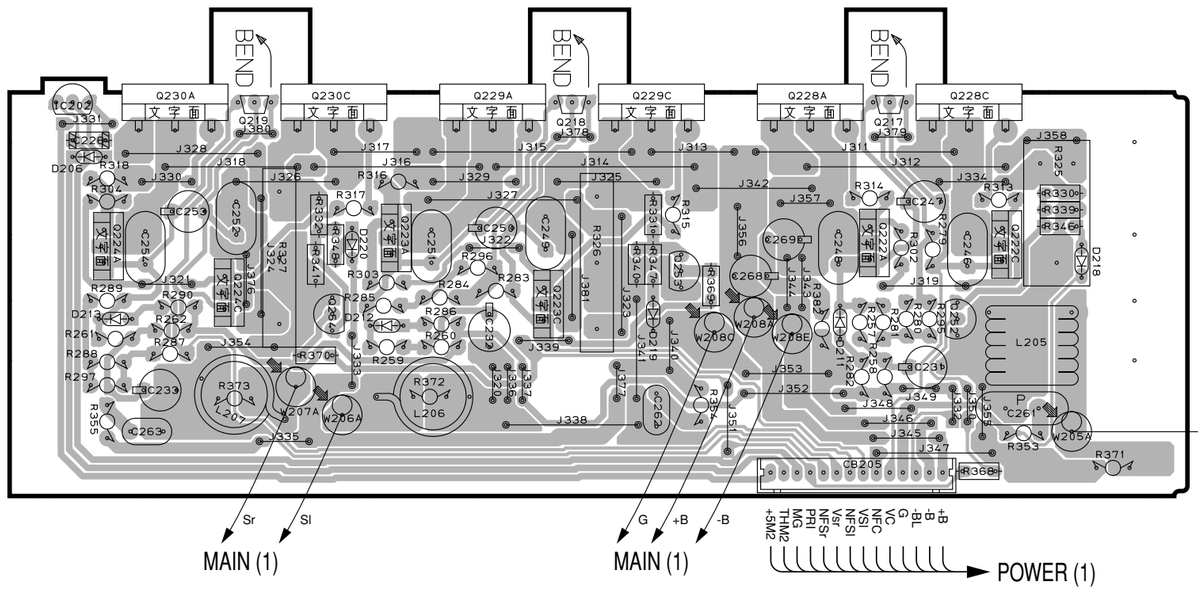
### MAIN (3) P. C. B. (Lead Type Device)




### MAIN (5) P. C. B. (Lead Type Device)




### MAIN (4) P. C. B. (Lead Type Device)




• Semiconductor Location

| Ref. No. | Location |
|---|---|
| D206 | A5 |
| D209 | B3 |
| D210 | C3 |
| D211 | D6 |
| D212 | B6 |
| D213 | A6 |
| D216 | B3 |
| D217 | D3 |
| D218 | E6 |
| D219 | D6 |
| D220 | B6 |
| D223 | B3 |
| D225 | F4 |
| D226 | G4 |
| D227 | F4 |
| D229 | F4 |
| D231 | H4 |
| D232 | G4 |
| IC202 | A5 |
| Q215 | B2 |
| Q216 | C2 |
| Q217 | E5 |
| Q218 | C5 |
| Q219 | B5 |
| Q222A | E6 |
| Q222C | E6 |
| Q223A | B6 |
| Q223C | C6 |
| Q224A | A6 |
| Q224C | B6 |
| Q225A | B3 |
| Q225C | B3 |
| Q228A | D5 |
| Q228C | E5 |
| Q229A | C5 |
| Q229C | D5 |
| Q230A | B5 |
| Q230C | B5 |
| Q231A | A2 |
| Q231C | B2 |
| Q232A | C2 |
| Q232C | D2 |
| Q233A | C3 |
| Q233C | C3 |
| Q250 | B3 |
| Q251 | D2 |
| Q252 | E6 |
| Q253 | D6 |
| Q254 | B6 |

| Circuit No. | J | U, C, R, T, A, K, B, G, L |
|---|---|---|
| C275~280, 281, 290~297, 299, 300, 303, 304 | X | O |
| R409~417 | X | O |

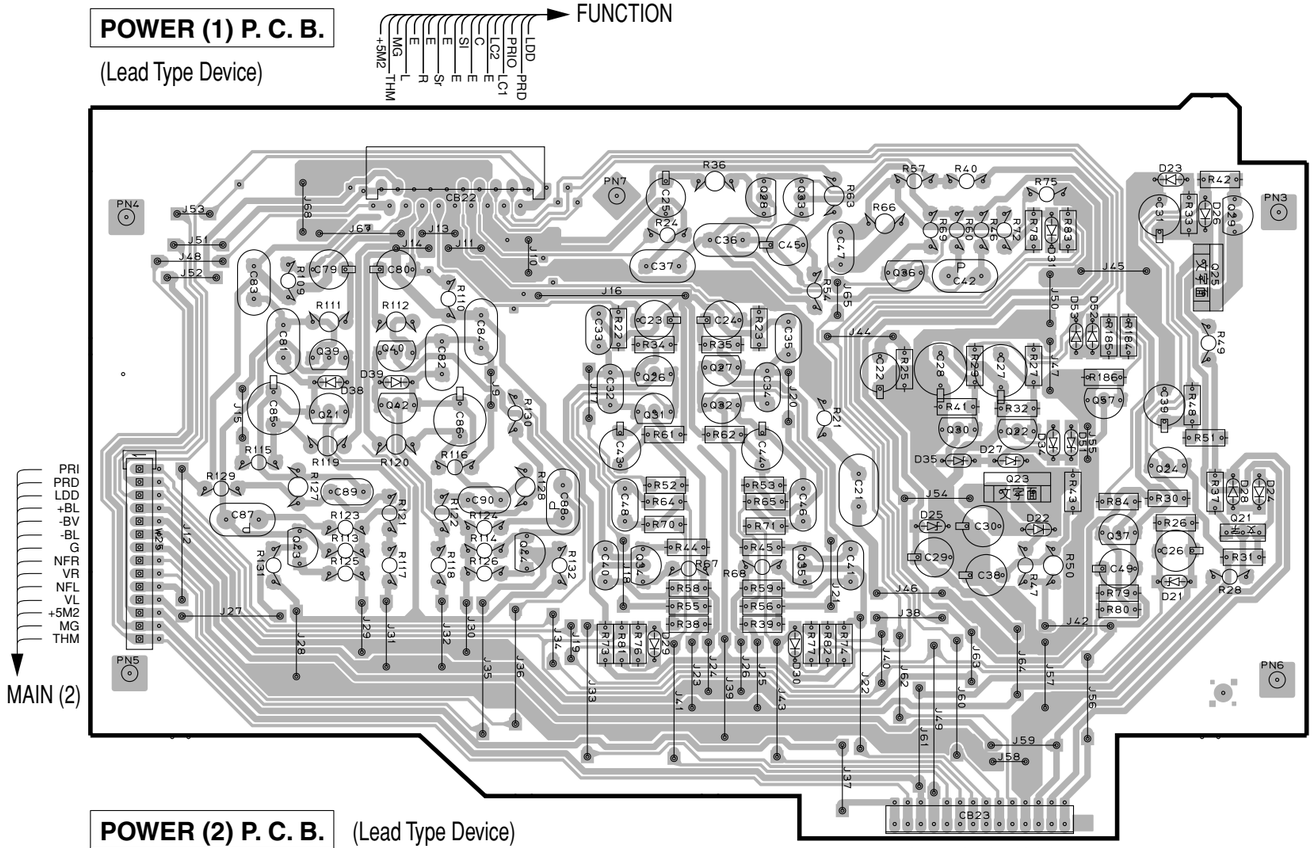
X: NOT USED
O: USED / APPLICABLE

# ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

## POWER (1) P. C. B.

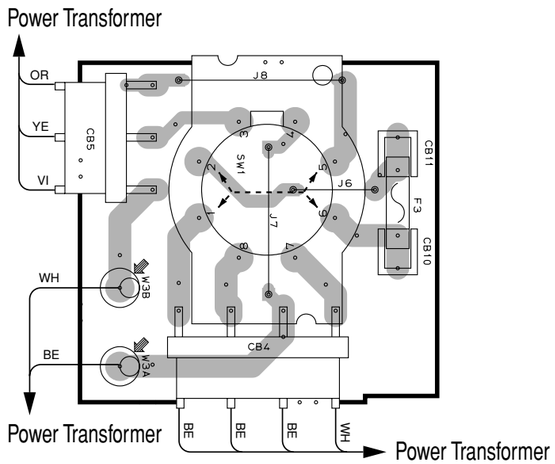
(Lead Type Device)




## POWER (4) P. C. B.

(Lead Type Device)

L, R models

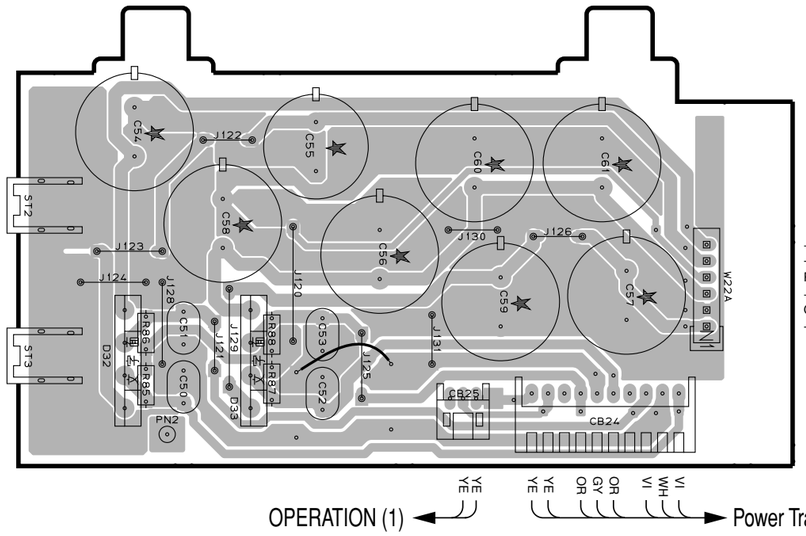



VOLTAGE SELECTOR

| | |
|---|---|
| 240V | 1-2/5-6 |
| 220V | 2-3/6-7 |
| 110V | 3-4/7-8 |
| 120V | 4-5/8-1 |

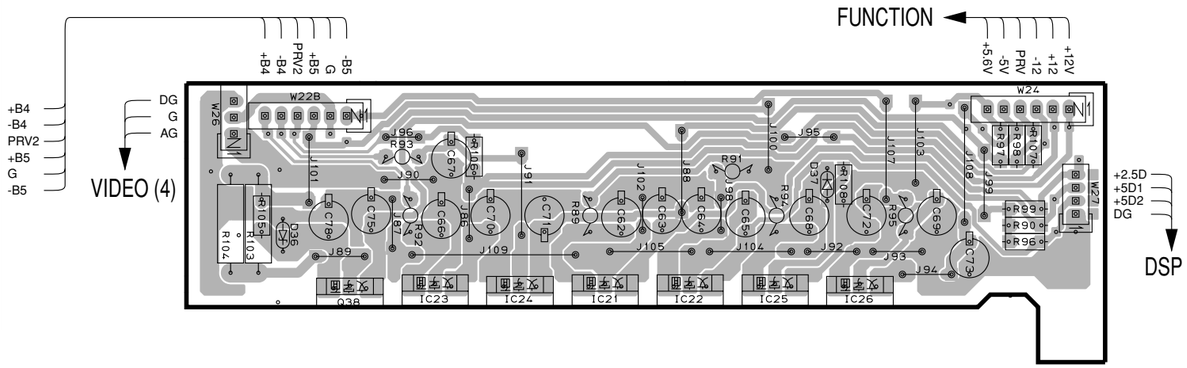
## POWER (2) P. C. B.

(Lead Type Device)




## POWER (3) P. C. B.

(Lead Type Device)




• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D21 | F4 |
| D22 | E4 |
| D23 | F2 |
| D24 | F3 |
| D25 | E4 |
| D26 | F2 |
| D27 | E3 |
| D28 | F3 |
| D29 | D4 |
| D30 | D4 |
| D31 | E2 |
| D32 | B7 |
| D33 | B7 |
| D34 | E3 |
| D35 | E3 |
| D36 | F7 |
| D37 | H6 |
| D38 | B3 |
| D39 | C3 |
| D51 | E3 |
| D52 | F3 |
| D53 | E3 |
| IC21 | G7 |
| IC22 | H7 |
| IC23 | F7 |
| IC24 | G7 |
| IC25 | H7 |
| IC26 | H7 |
| Q21 | F4 |
| Q22 | E3 |
| Q23 | E3 |
| Q24 | F3 |
| Q25 | F3 |
| Q26 | D3 |
| Q27 | D3 |
| Q28 | D2 |
| Q29 | F2 |
| Q30 | E3 |
| Q31 | D3 |
| Q32 | D3 |
| Q33 | D2 |
| Q34 | D4 |
| Q35 | D4 |
| Q36 | E3 |
| Q37 | F4 |
| Q38 | F7 |
| Q39 | B3 |
| Q40 | C3 |
| Q41 | B3 |
| Q42 | C3 |
| Q43 | B4 |
| Q44 | C4 |
| Q57 | F3 |

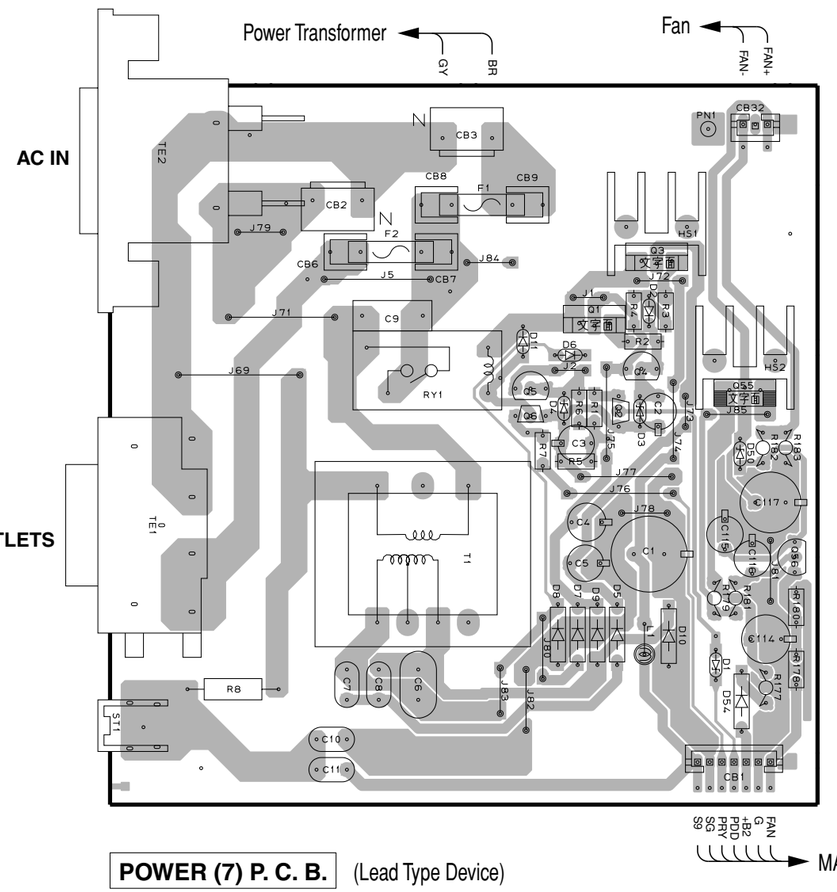
## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

## RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

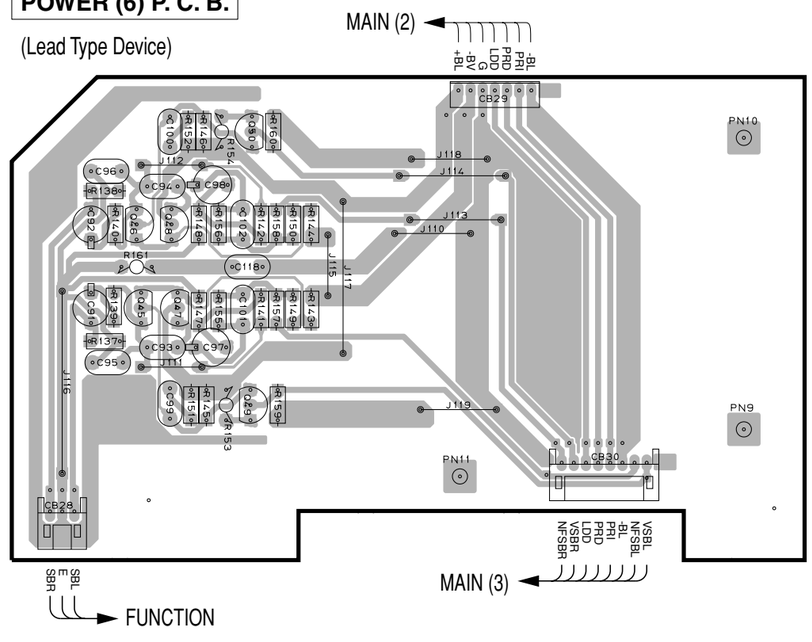
| Circuit No. | J | U, C | R | L | T, K | A | B | G | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| C2, 4, 5, 7, 8 | X | X | O | O | X | X | X | X | |
| C6 | O | O | X | X | O | O | O | O | |
| C103, 104, 107, 108 | X | O | X | X | X | O | X | X | |
| C105, 106, 109~113 | X | O | X | X | X | O | X | X | 2400 |
| CB2 | X | X | O | O | O | O | O | X | |
| CB4, 5, 10, 11 | X | X | O | O | X | X | X | X | |
| CB6, 7 | X | O | X | X | X | X | X | O | |
| CB31 | X | O | X | X | X | O | X | X | |
| D2~5 | X | X | O | O | X | X | X | X | |
| D44, 46, 48 | X | O | X | X | X | O | X | X | |
| D45, 47, 49 | X | O | X | X | X | O | X | X | 2400 |
| D51~53 | X | O | O | O | O | O | O | O | |
| F2 | X | O | X | X | X | X | X | O | |
| F3 | X | X | O | O | X | X | X | X | |
| HS1 | X | X | O | O | X | X | X | X | |
| J1, 2 | O | O | X | X | O | O | O | O | |
| J5 | O | X | O | O | O | O | O | X | |
| J6~8 | X | X | O | O | X | X | X | X | |
| JK1, 5~7 | X | O | X | X | X | O | X | X | 2400 |
| JK2~4 | X | O | X | X | X | O | X | X | |
| PJ1 | X | O | X | X | X | O | X | X | 2400 |
| PN6 | X | O | X | X | X | O | X | X | |
| Q1, 3, 4, 5 | X | X | O | O | X | X | X | X | |
| Q51, 53 | X | O | X | X | X | O | X | X | |
| Q52, 54 | X | O | X | X | X | O | X | X | 2400 |
| Q57 | X | O | O | O | O | O | O | O | |
| R2~4 | X | X | O | O | X | X | X | X | |
| R8 | X | O | X | X | X | O | X | X | |
| R165, 167, 169 | X | O | X | X | X | O | X | X | |
| R166, 168, 170~176 | X | O | X | X | X | O | X | X | 2400 |
| R184~186 | X | O | O | O | O | O | O | O | |
| ST4, 5 | X | O | X | X | X | O | X | X | |
| SW1 | X | X | O | O | X | X | X | X | |
| TE2 | O | O | X | X | X | X | X | O | |
| W3 | X | X | O | O | X | X | X | X | |

X: NOT USED
O: USED / APPLICABLE

### POWER (5) P. C. B. (Lead Type Device)

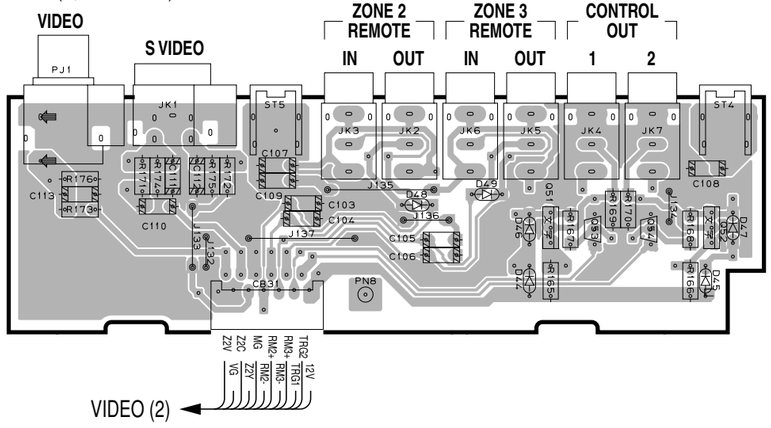



### POWER (6) P. C. B. (Lead Type Device)

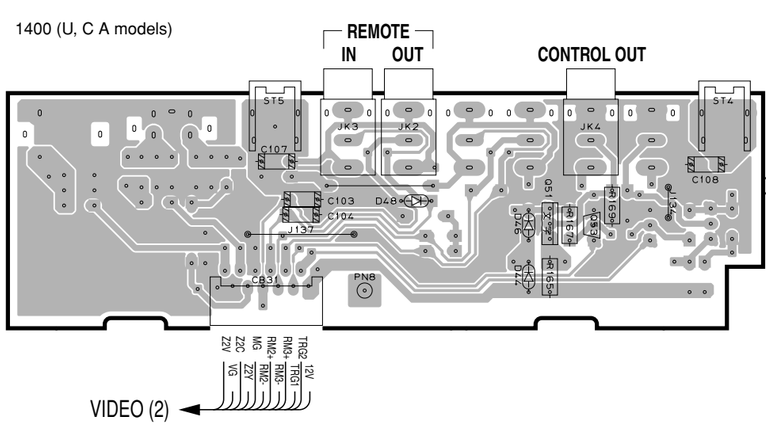



### POWER (7) P. C. B. (Lead Type Device)

2400 (U, C A models)




1400 (U, C A models)

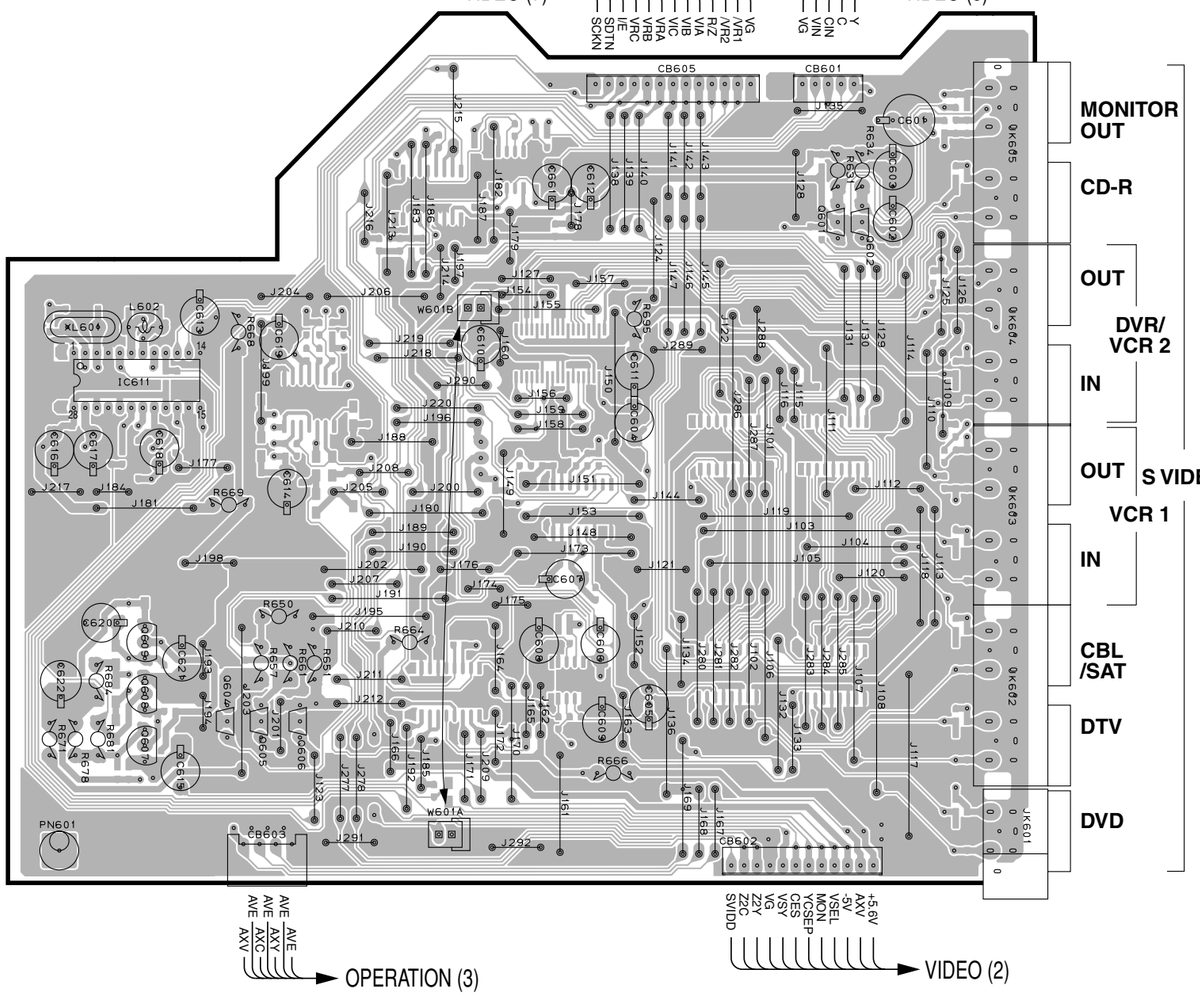



### • Semiconductor Location

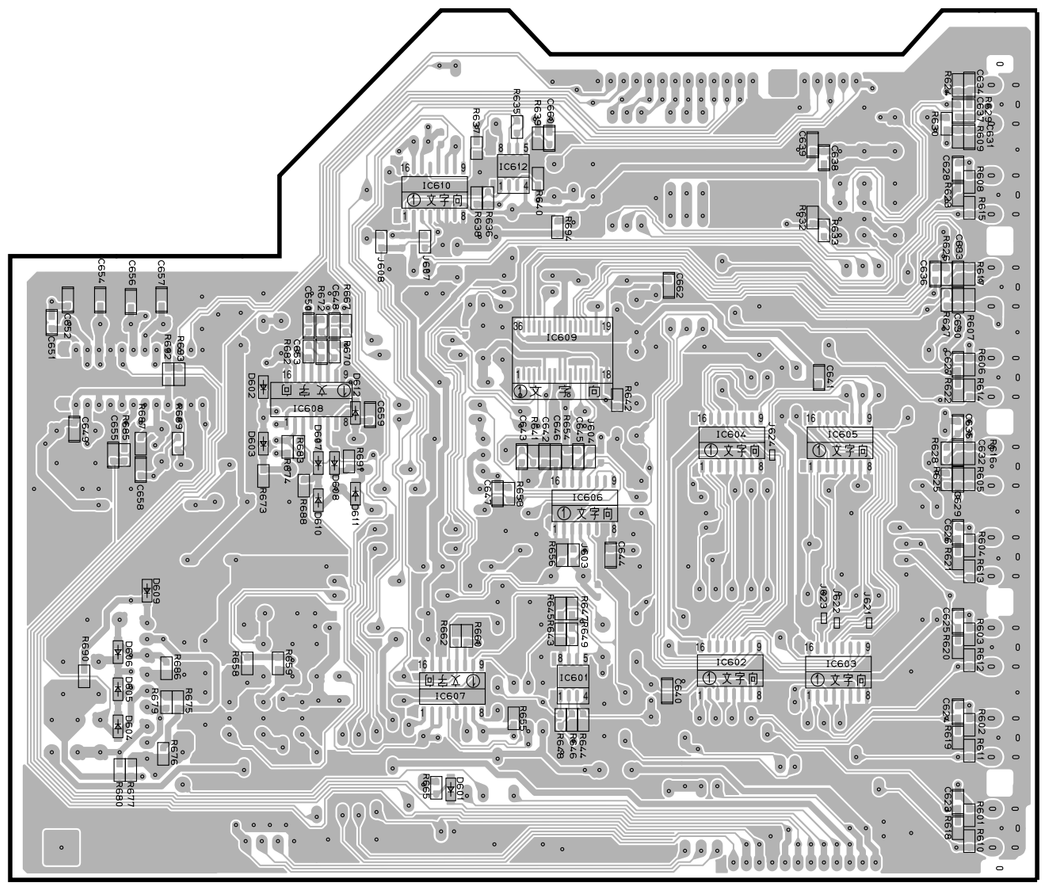
| Ref. No. | Location |
|---|---|
| D1 | D5 |
| D2 | D3 |
| D3 | D3 |
| D4 | C3 |
| D5 | C4 |
| D6 | C3 |
| D7 | C4 |
| D8 | C4 |
| D9 | C4 |
| D10 | D4 |
| D11 | C3 |
| D44 | D7, G7 |
| D45 | D7 |
| D46 | D7, G7 |
| D47 | D7 |
| D48 | C6, F6 |
| D49 | C6 |
| D50 | D4 |
| D54 | D5 |
| Q1 | C3 |
| Q2 | C3 |
| Q3 | D3 |
| Q4 | D3 |
| Q5 | C3 |
| Q6 | C3 |
| Q45 | E3 |
| Q46 | E2 |
| Q47 | E3 |
| Q48 | E2 |
| Q49 | F3 |
| Q50 | F2 |
| Q51 | D7 |
| Q52 | D7 |
| Q53 | D7, G7 |
| Q54 | D7 |
| Q55 | D3 |
| Q56 | D4 |

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

**VIDEO (1) P. C. B.** (Lead Type Device)




**VIDEO (1) P. C. B.** (Surface Mount Device)



### • Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|---|---|---|---|
| D601 | H5 | D607 | G3 | IC601 | I4 | IC607 | H4 | Q601 | D2 | Q608 | B4 |
| D602 | G3 | D608 | H3 | IC602 | I4 | IC608 | G3 | Q602 | E2 | Q609 | B4 |
| D603 | G3 | D609 | G4 | IC603 | J4 | IC609 | H3 | Q604 | B4 | | |
| D604 | G5 | D610 | G4 | IC604 | I3 | IC610 | H2 | Q605 | B4 | | |
| D605 | G4 | D611 | H4 | IC605 | J3 | IC611 | B3 | Q606 | B4 | | |
| D606 | G4 | D612 | H3 | IC606 | I4 | IC612 | H2 | Q607 | B5 | | |

| Circuit No. | J | U, C | R | T | K | A | B, G | L |
|---|---|---|---|---|---|---|---|---|
| C517~520, 604, 643, 706 | X | O | X | X | X | O | X | X |
| C554~556, 560~566 | X | X | X | X | X | X | O | X |
| CB555 | X | O | X | X | X | O | X | X |
| IC552 | X | X | X | X | X | X | O | X |
| IC606, 702 | X | O | X | X | X | O | X | X |
| J603, 604, 701 | O | X | O | O | O | X | O | O |
| L551 | X | X | X | X | X | X | O | X |
| PJ504 | X | O | X | X | X | O | X | X |
| Q553 | X | X | X | X | X | X | O | X |
| R511~514, 529~532, 722 | X | O | X | X | X | O | X | X |
| R559~567, 569 | X | X | X | X | X | X | O | X |
| R568 | O | O | O | O | O | O | X | O |
| R571 | X | O | O | X | X | X | X | O |
| R572 | X | X | O | O | O | O | O | O |
| R573 | O | X | X | O | O | O | O | X |
| R574 | O | O | X | X | X | X | X | X |
| R692 | X | X | X | O | X | O | O | O |
| R693 | O | O | O | X | O | X | X | X |
| SW801 | X | X | O | X | X | X | X | O |
| XL551 | X | X | X | X | X | X | O | X |

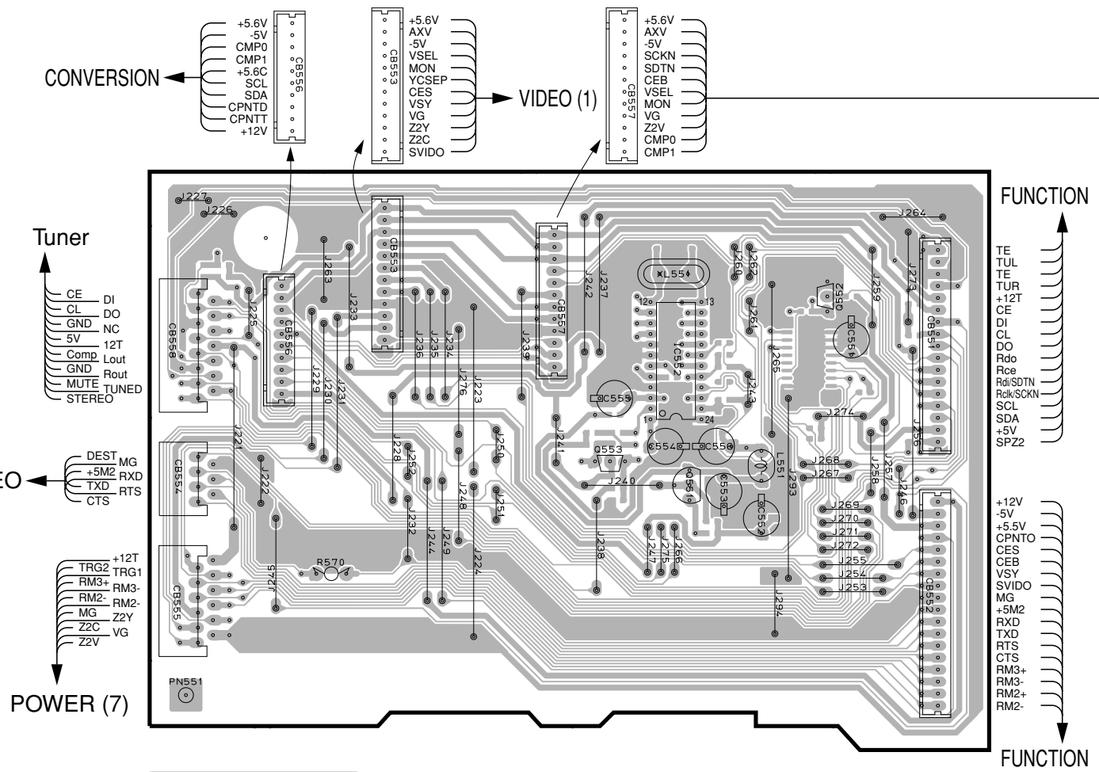
X: NOT USED
O: USED / APPLICABLE

# ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

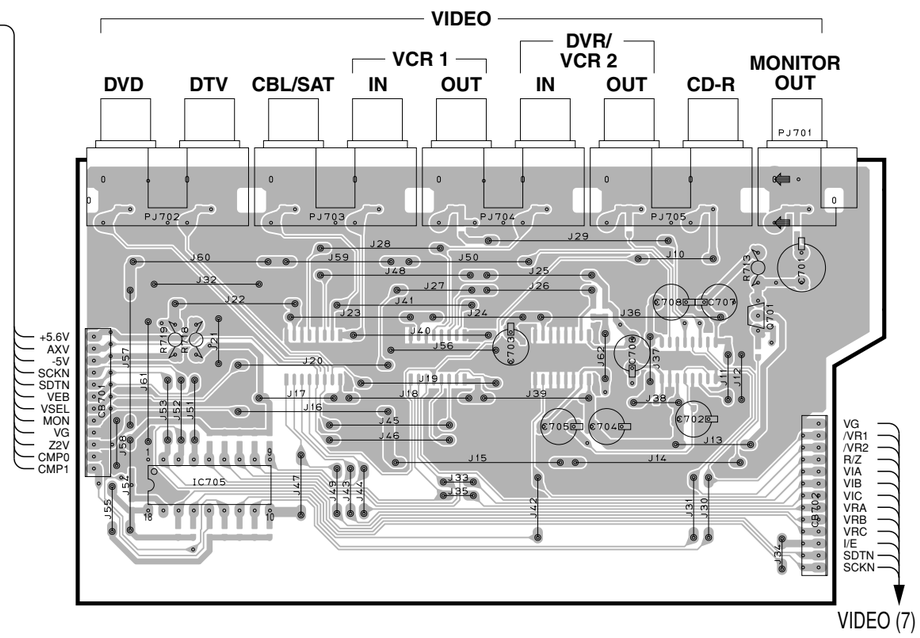
• Semiconductor Location

| Ref. No. | Location |
|---|---|
| D551 | D6 |
| IC551 | D6 |
| IC552 | D3 |
| IC701 | I6 |
| IC702 | H6 |
| IC703 | H6 |
| IC704 | G6 |
| IC705 | G4 |
| Q551 | D3 |
| Q552 | E3 |
| Q553 | D3 |
| Q701 | I3 |

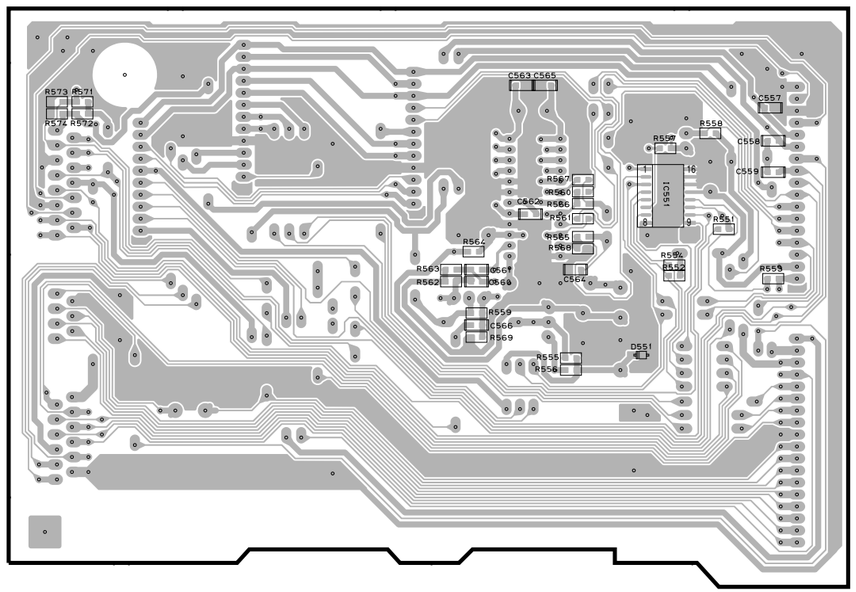
## VIDEO (2) P. C. B. (Lead Type Device)



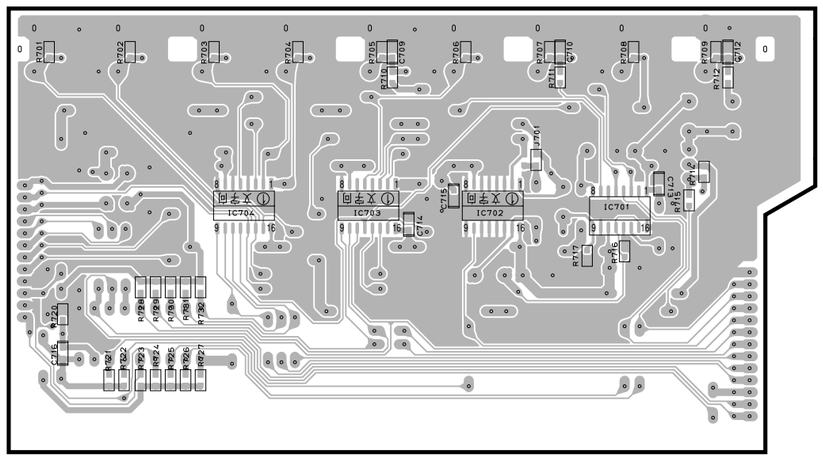

## VIDEO (3) P. C. B. (Lead Type Device)




## VIDEO (2) P. C. B. (Surface Mount Device)



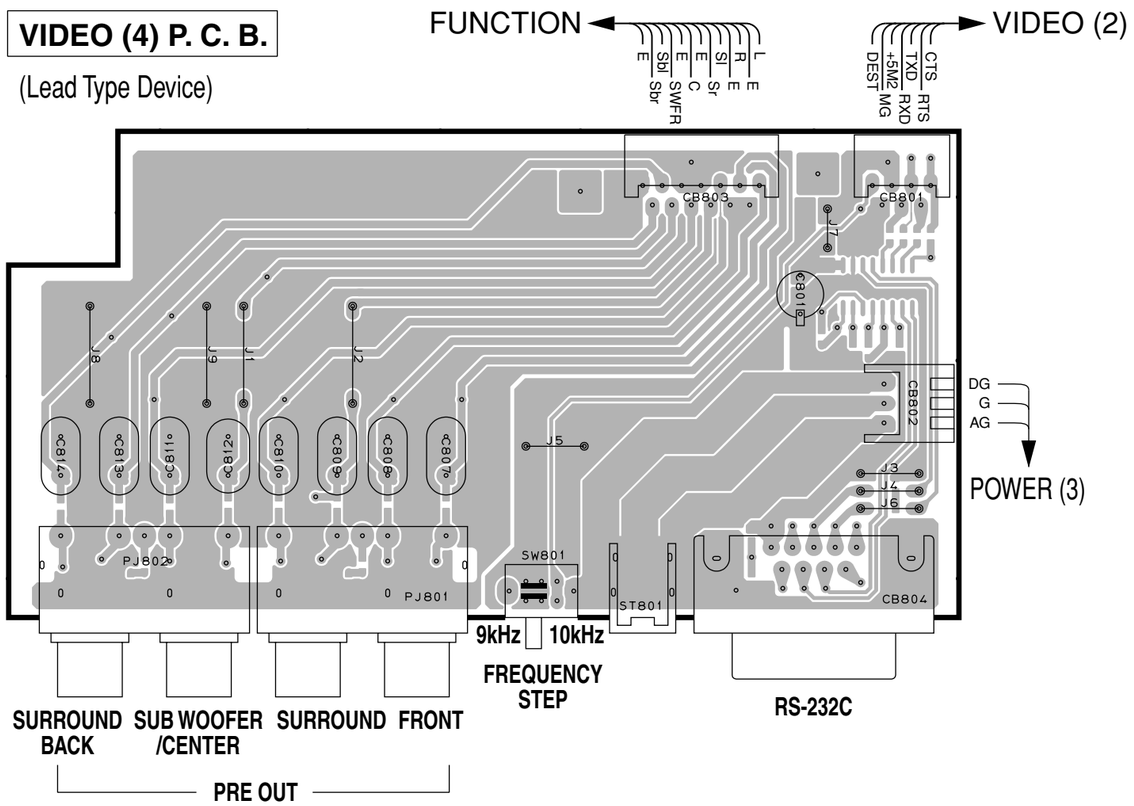

## VIDEO (3) P. C. B. (Surface Mount Device)



## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

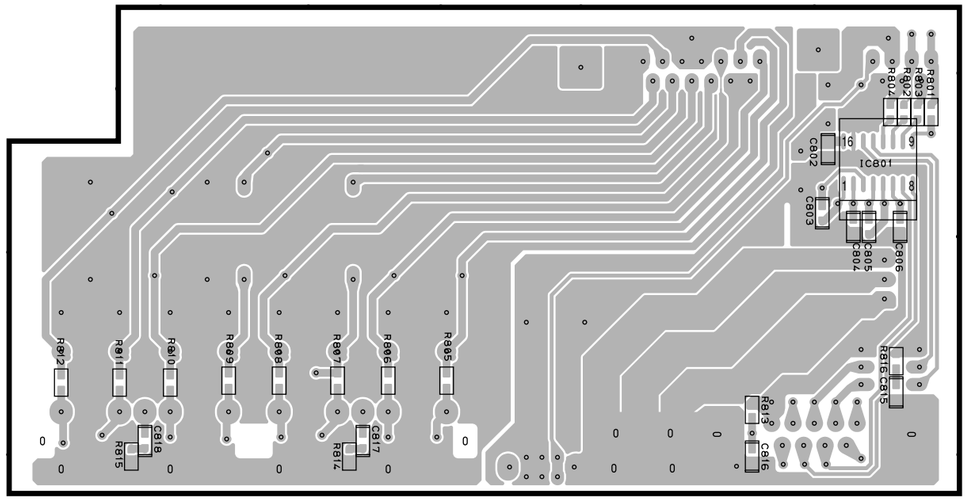
**VIDEO (4) P. C. B.**

(Lead Type Device)




**VIDEO (4) P. C. B.**

(Surface Mount Device)




**• Semiconductor Location**

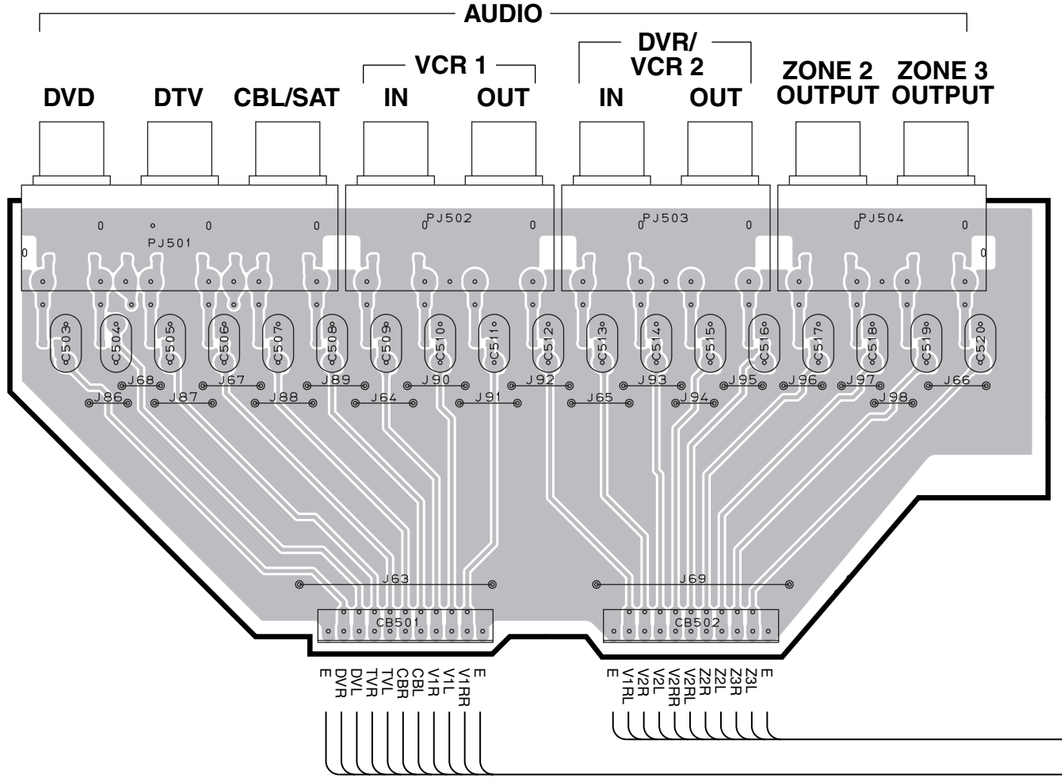
| Ref. No. | Location |
|---|---|
| IC801 | J2 |

| Circuit No. | J | U, C | R | T | K | A | B, G | L |
|---|---|---|---|---|---|---|---|---|
| C517~520, 604, 643, 706 | X | O | X | X | X | O | X | X |
| C554~556, 560~566 | X | X | X | X | X | X | O | X |
| CB555 | X | O | X | X | X | O | X | X |
| IC552 | X | X | X | X | X | X | O | X |
| IC606, 702 | X | O | X | X | X | O | X | X |
| J603, 604, 701 | O | X | O | O | O | X | O | O |
| L551 | X | X | X | X | X | X | O | X |
| PJ504 | X | O | X | X | X | O | X | X |
| Q553 | X | X | X | X | X | X | O | X |
| R511~514, 529~532, 722 | X | O | X | X | X | O | X | X |
| R559~567, 569 | X | X | X | X | X | X | O | X |
| R568 | O | O | O | O | O | O | X | O |
| R571 | X | O | O | X | X | X | X | O |
| R572 | X | X | O | O | O | O | O | O |
| R573 | O | X | X | O | O | O | O | X |
| R574 | O | O | X | X | X | X | X | X |
| R692 | X | X | X | O | X | O | O | O |
| R693 | O | O | O | X | O | X | X | X |
| SW801 | X | X | O | X | X | X | X | O |
| XL551 | X | X | X | X | X | X | O | X |

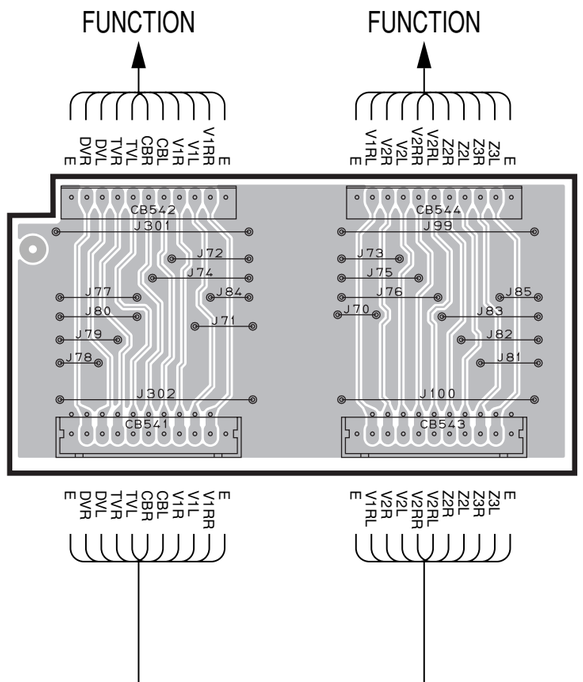
X: NOT USED
O: USED / APPLICABLE

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

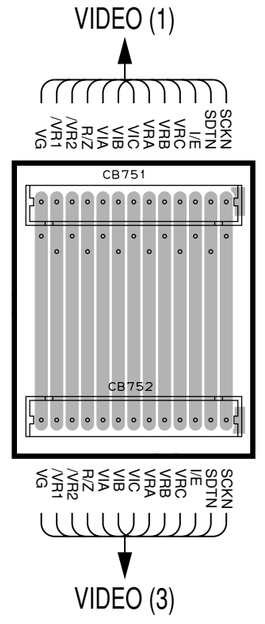
### VIDEO (5) P. C. B. (Lead Type Device)



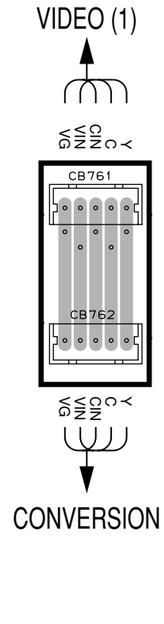

### VIDEO (6) P. C. B. (Lead Type Device)



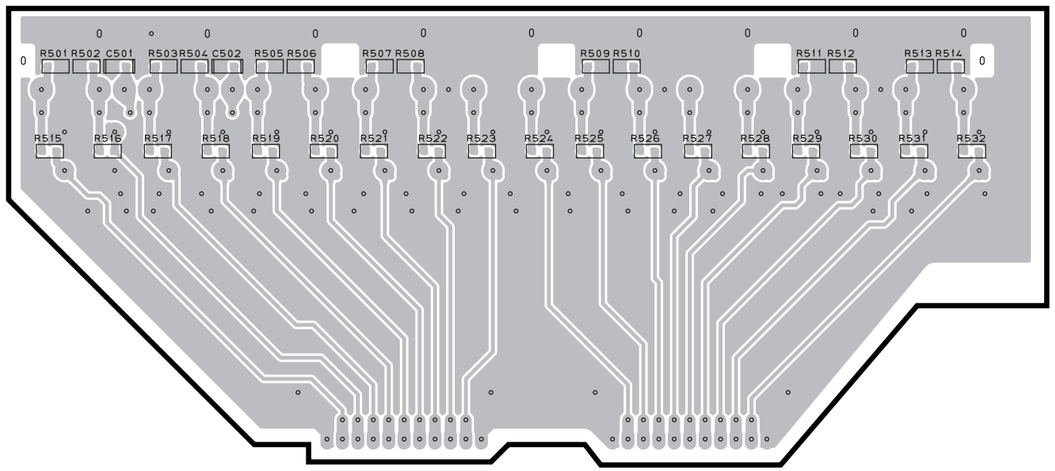

### VIDEO (7) P. C. B. (Lead Type Device)




### VIDEO (8) P. C. B. (Lead Type Device)




### VIDEO (5) P. C. B. (Surface Mount Device)

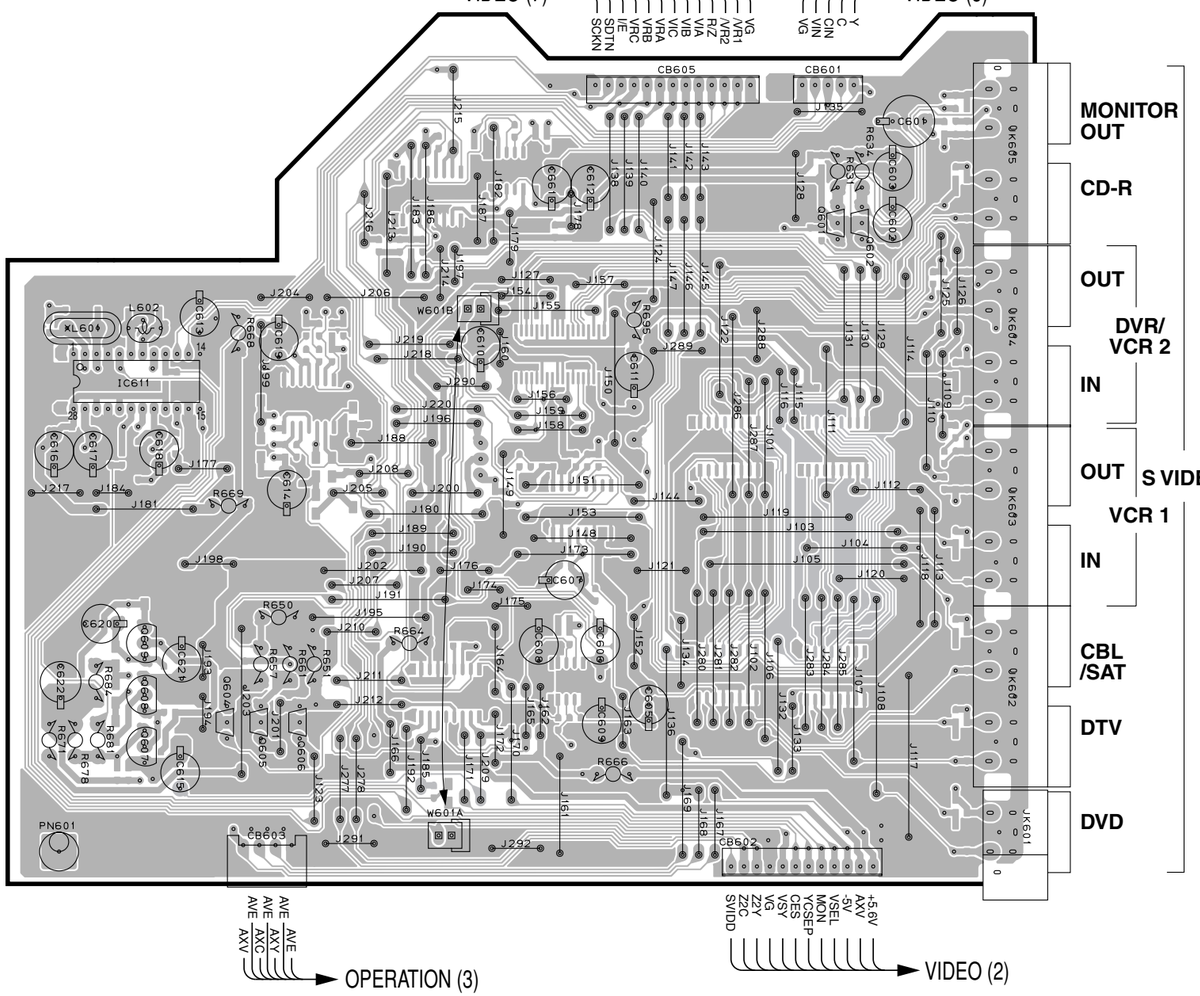


| Circuit No. | J | U, C | R | T | K | A | B, G | L |
|---|---|---|---|---|---|---|---|---|
| C517~520, 604, 643, 706 | X | O | X | X | X | O | X | X |
| C554~556, 560~566 | X | X | X | X | X | X | O | X |
| CB555 | X | O | X | X | X | O | X | X |
| IC552 | X | X | X | X | X | X | O | X |
| IC606, 702 | X | O | X | X | X | O | X | X |
| J603, 604, 701 | O | X | O | O | O | X | O | O |
| L551 | X | X | X | X | X | X | O | X |
| PJ504 | X | O | X | X | X | O | X | X |
| Q553 | X | X | X | X | X | X | O | X |
| R511~514, 529~532, 722 | X | O | X | X | X | O | X | X |
| R559~567, 569 | X | X | X | X | X | X | O | X |
| R568 | O | O | O | O | O | O | X | O |
| R571 | X | O | O | X | X | X | X | O |
| R572 | X | X | O | O | O | O | O | O |
| R573 | O | X | X | O | O | O | O | X |
| R574 | O | O | X | X | X | X | X | X |
| R692 | X | X | X | O | X | O | O | O |
| R693 | O | O | O | X | O | X | X | X |
| SW801 | X | X | O | X | X | X | X | O |
| XL551 | X | X | X | X | X | X | O | X |

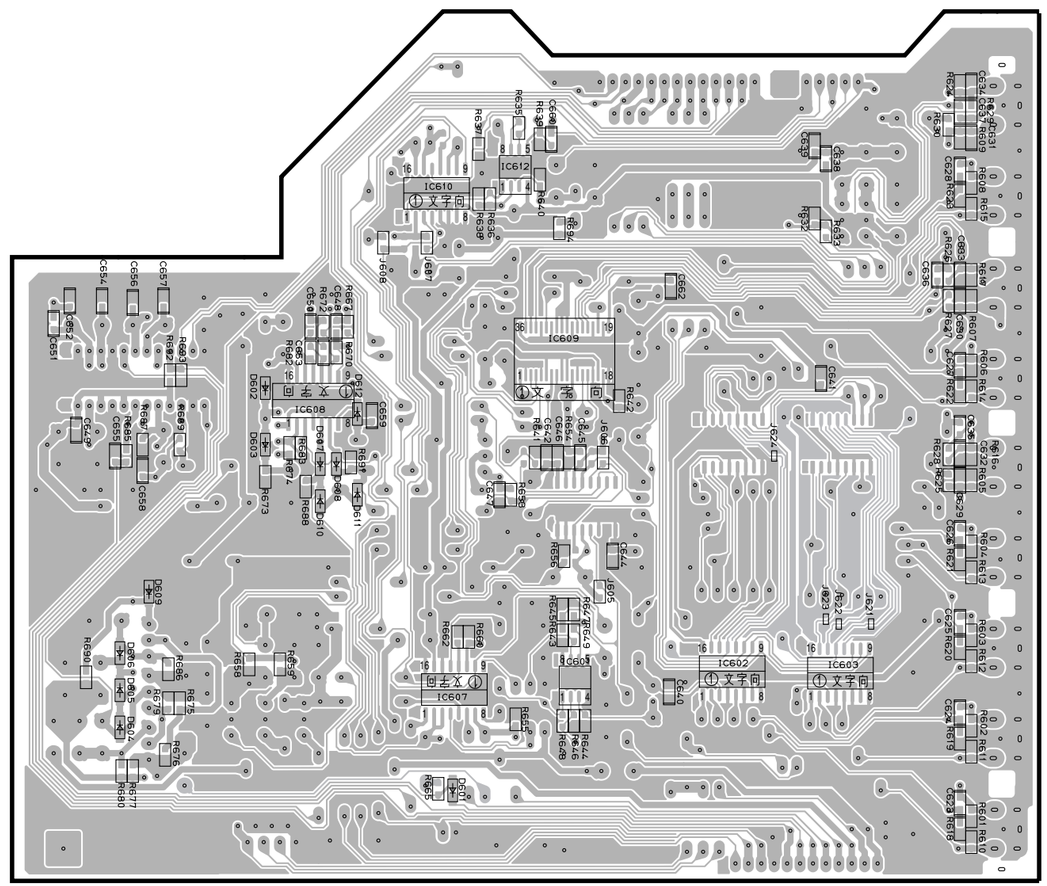
X: NOT USED
O: USED / APPLICABLE

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

**VIDEO (1) P. C. B.** (Lead Type Device)




**VIDEO (1) P. C. B.** (Surface Mount Device)



### • Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|---|---|
| D601 | H5 | D607 | G3 | IC601 | I4 | IC610 | H2 | Q605 | B4 |
| D602 | G3 | D608 | H3 | IC602 | I4 | IC611 | B3 | Q606 | B4 |
| D603 | G3 | D609 | G4 | IC603 | J4 | IC612 | H2 | Q607 | B5 |
| D604 | G5 | D610 | G4 | IC607 | H4 | Q601 | D2 | Q608 | B4 |
| D605 | G4 | D611 | H4 | IC608 | G3 | Q602 | E2 | Q609 | B4 |
| D606 | G4 | D612 | H3 | IC609 | H3 | Q604 | B4 | | |

| Circuit No. | J | U, C | R | T | K | A | B, G | L |
|---|---|---|---|---|---|---|---|---|
| C517~520 | X | O | X | X | X | O | X | X |
| C554~556, 560~566 | X | X | X | X | X | X | O | X |
| CB554, 801 | X | X | O | X | X | X | X | O |
| CB555 | X | O | X | X | X | O | X | X |
| IC552 | X | X | X | X | X | X | O | X |
| L551 | X | X | X | X | X | X | O | X |
| PJ504 | X | O | X | X | X | O | X | X |
| Q553 | X | X | X | X | X | X | O | X |
| R511~514, 529~532 | X | O | X | X | X | O | X | X |
| R559~567, 569 | X | X | X | X | X | X | O | X |
| R568 | O | O | O | O | O | O | X | O |
| R571 | X | O | O | X | X | X | X | O |
| R572 | X | X | O | O | O | O | O | O |
| R573 | O | X | X | O | O | O | O | X |
| R574 | O | O | X | X | X | X | X | X |
| R692 | X | X | X | O | X | O | O | O |
| R693 | O | O | O | X | O | X | X | X |
| SW801 | X | X | O | X | X | X | X | O |
| XL551 | X | X | X | X | X | X | O | X |

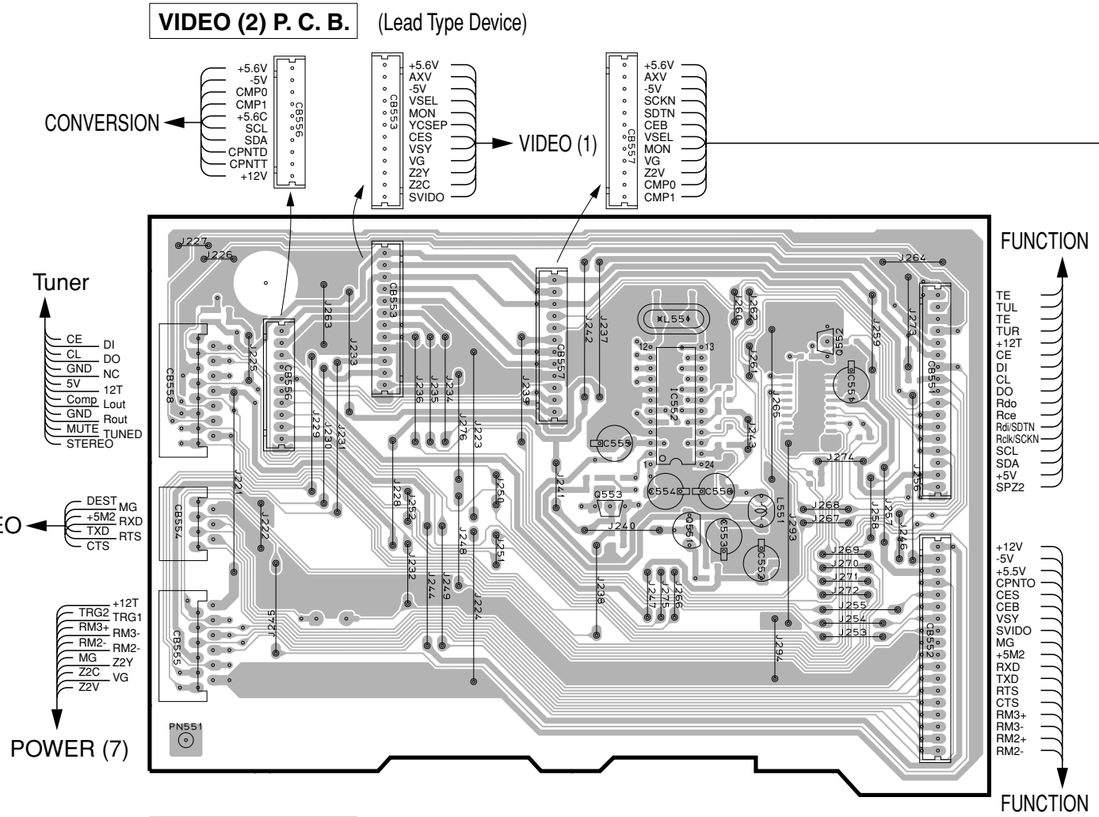
X: NOT USED
O: USED / APPLICABLE

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

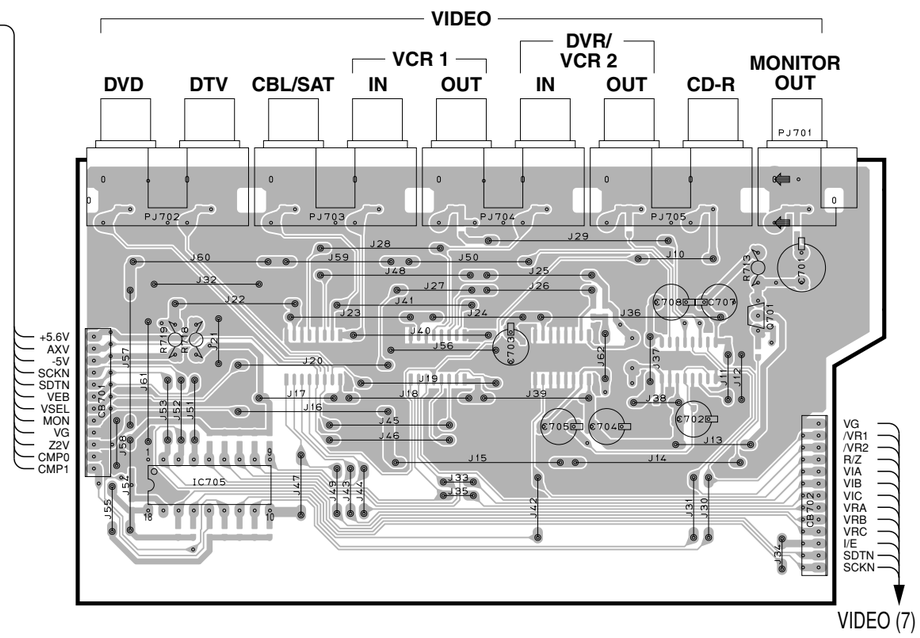
• Semiconductor Location

| Ref. No. | Location |
|---|---|
| D551 | D6 |
| IC551 | D6 |
| IC552 | D3 |
| IC701 | I6 |
| IC703 | H6 |
| IC705 | G4 |
| Q551 | D3 |
| Q552 | E3 |
| Q553 | D3 |
| Q701 | I3 |

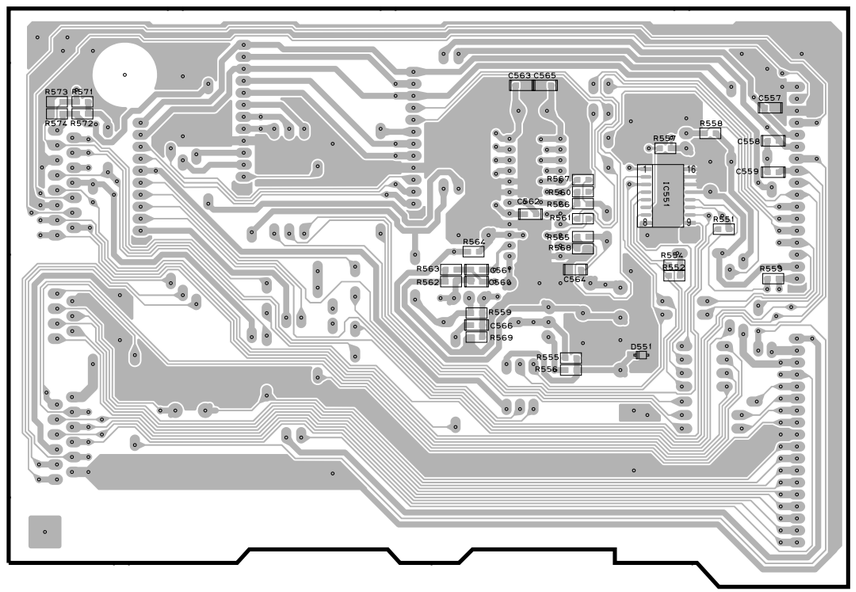
### VIDEO (2) P. C. B. (Lead Type Device)



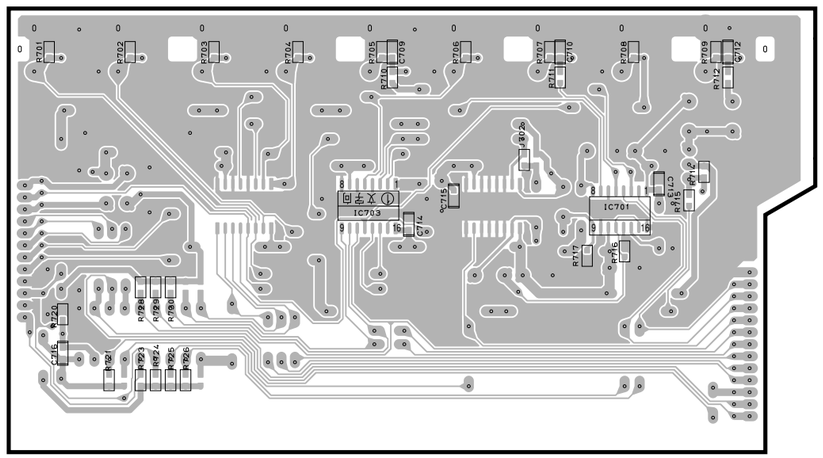

### VIDEO (3) P. C. B. (Lead Type Device)




### VIDEO (2) P. C. B. (Surface Mount Device)



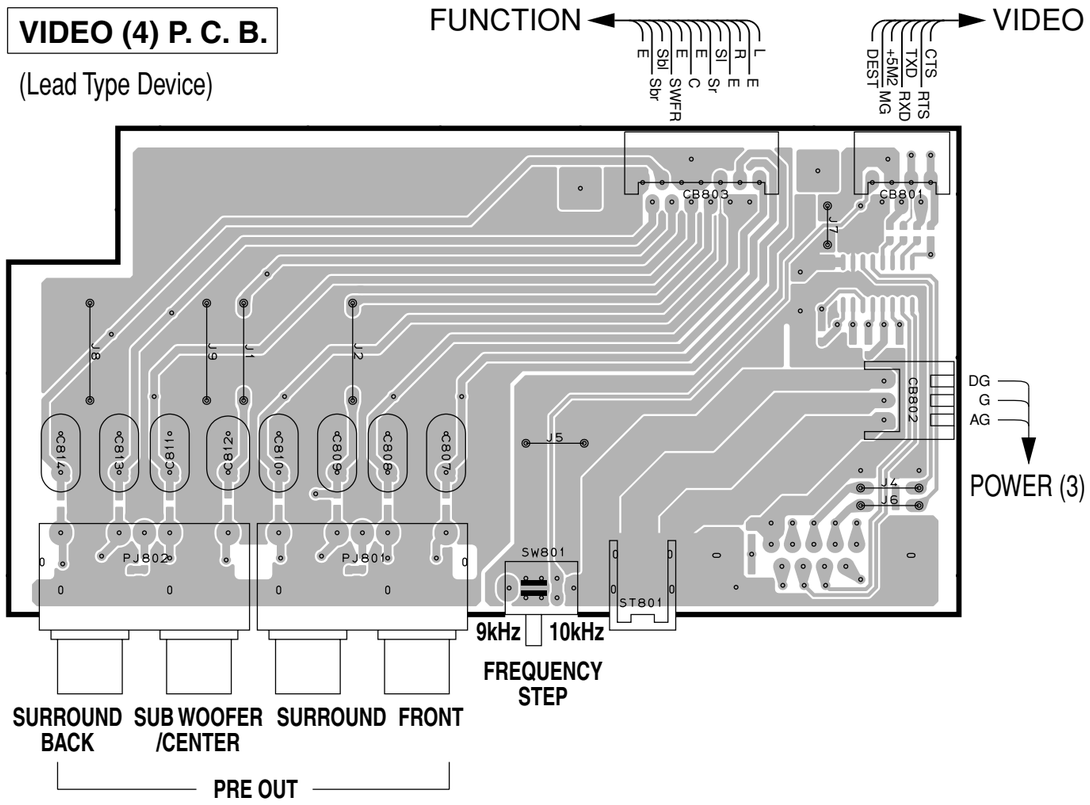

### VIDEO (3) P. C. B. (Surface Mount Device)



## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

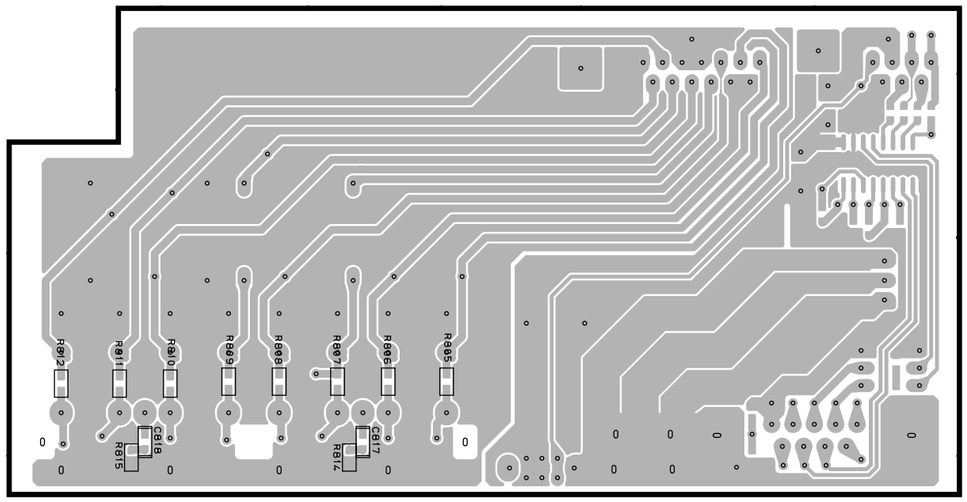
**VIDEO (4) P. C. B.**

(Lead Type Device)




**VIDEO (4) P. C. B.**

(Surface Mount Device)

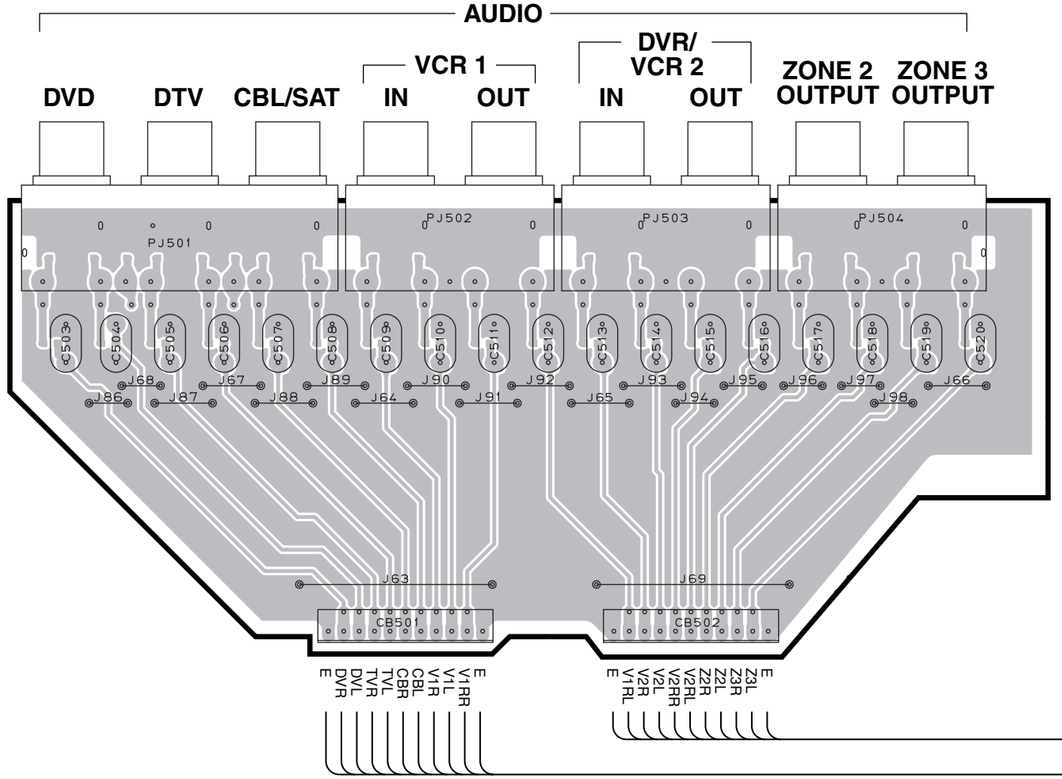



| Circuit No. | J | U, C | R | T | K | A | B, G | L |
|---|---|---|---|---|---|---|---|---|
| C517~520 | X | O | X | X | X | O | X | X |
| C554~556, 560~566 | X | X | X | X | X | X | O | X |
| CB554, 801 | X | X | O | X | X | X | X | O |
| CB555 | X | O | X | X | X | O | X | X |
| IC552 | X | X | X | X | X | X | O | X |
| L551 | X | X | X | X | X | X | O | X |
| PJ504 | X | O | X | X | X | O | X | X |
| Q553 | X | X | X | X | X | X | O | X |
| R511~514, 529~532 | X | O | X | X | X | O | X | X |
| R559~567, 569 | X | X | X | X | X | X | O | X |
| R568 | O | O | O | O | O | O | X | O |
| R571 | X | O | O | X | X | X | X | O |
| R572 | X | X | O | O | O | O | O | O |
| R573 | O | X | X | O | O | O | O | X |
| R574 | O | O | X | X | X | X | X | X |
| R692 | X | X | X | O | X | O | O | O |
| R693 | O | O | O | X | O | X | X | X |
| SW801 | X | X | O | X | X | X | X | O |
| XL551 | X | X | X | X | X | X | O | X |

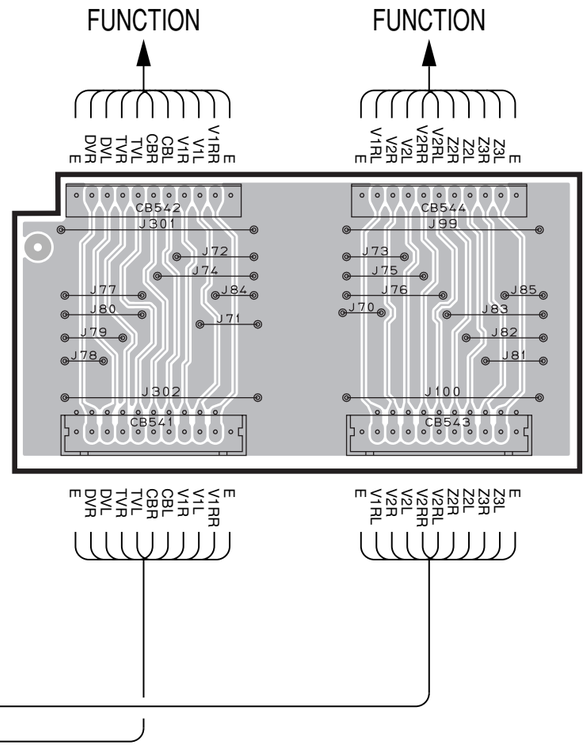
X: NOT USED
O: USED / APPLICABLE

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

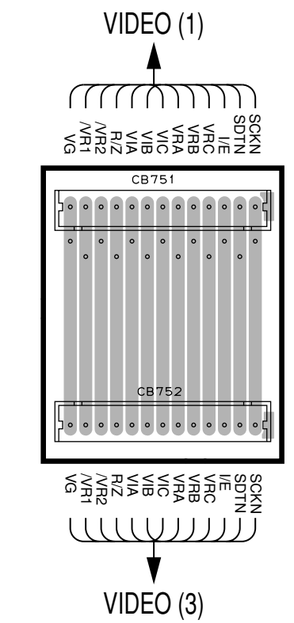
### VIDEO (5) P. C. B. (Lead Type Device)



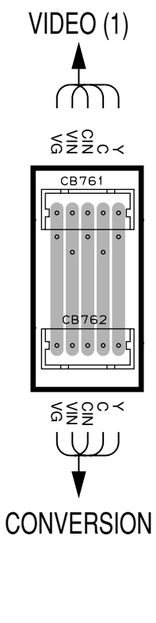

### VIDEO (6) P. C. B. (Lead Type Device)



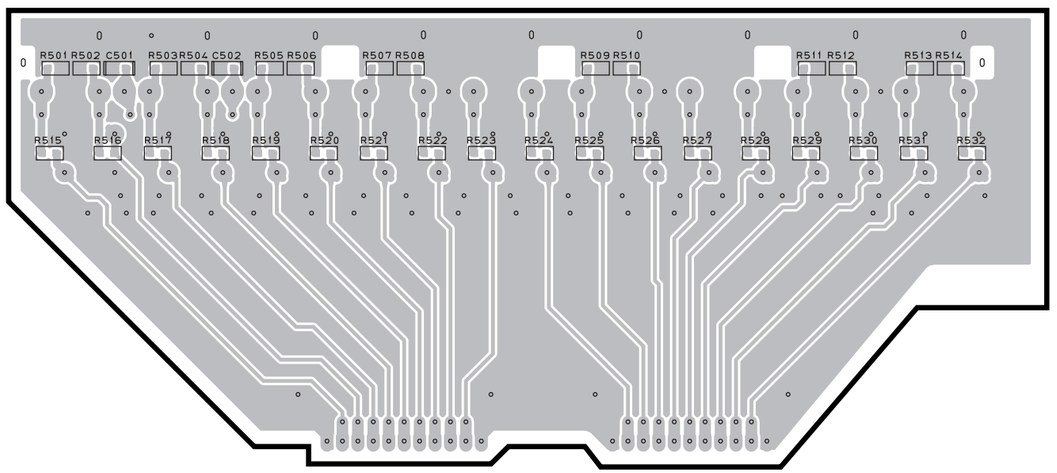

### VIDEO (7) P. C. B. (Lead Type Device)




### VIDEO (8) P. C. B. (Lead Type Device)

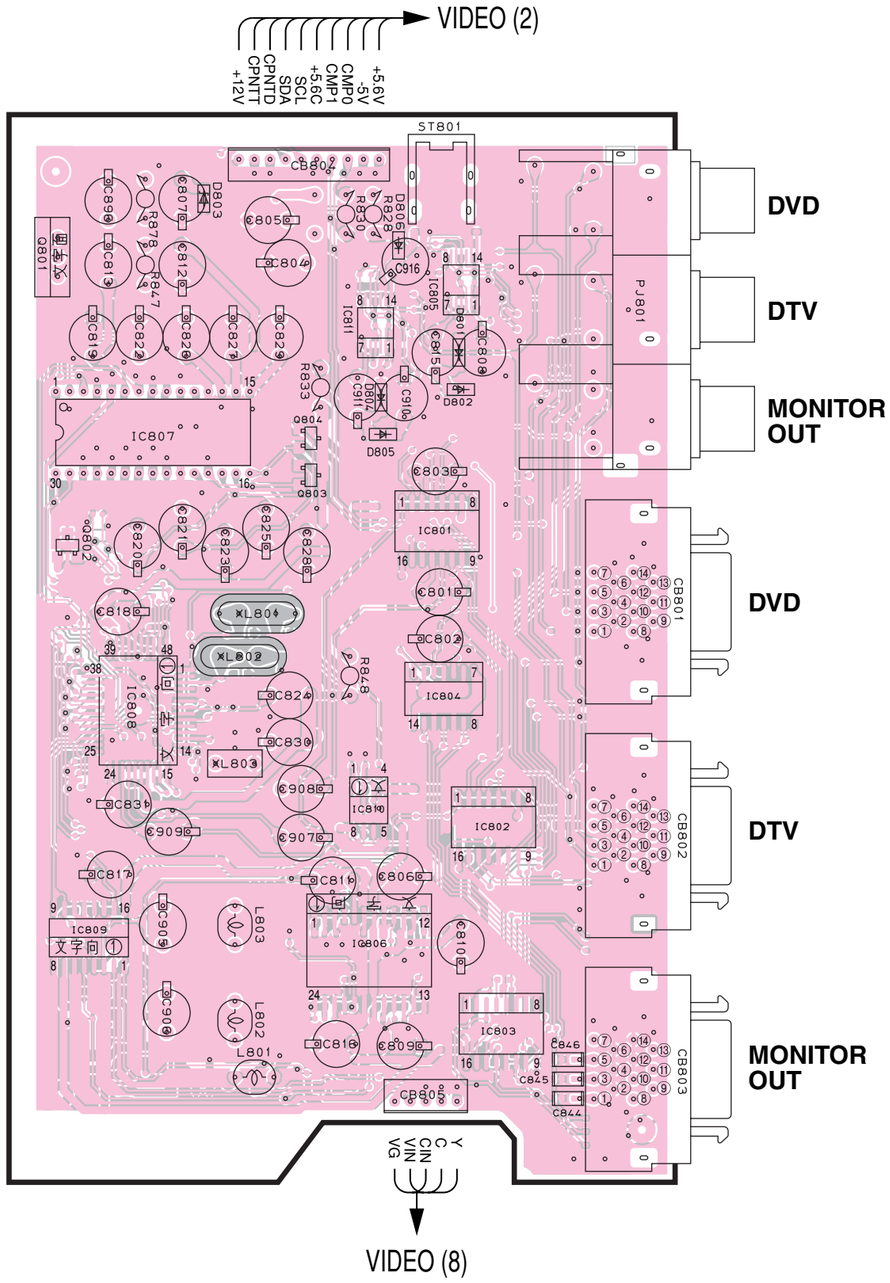



### VIDEO (5) P. C. B. (Surface Mount Device)

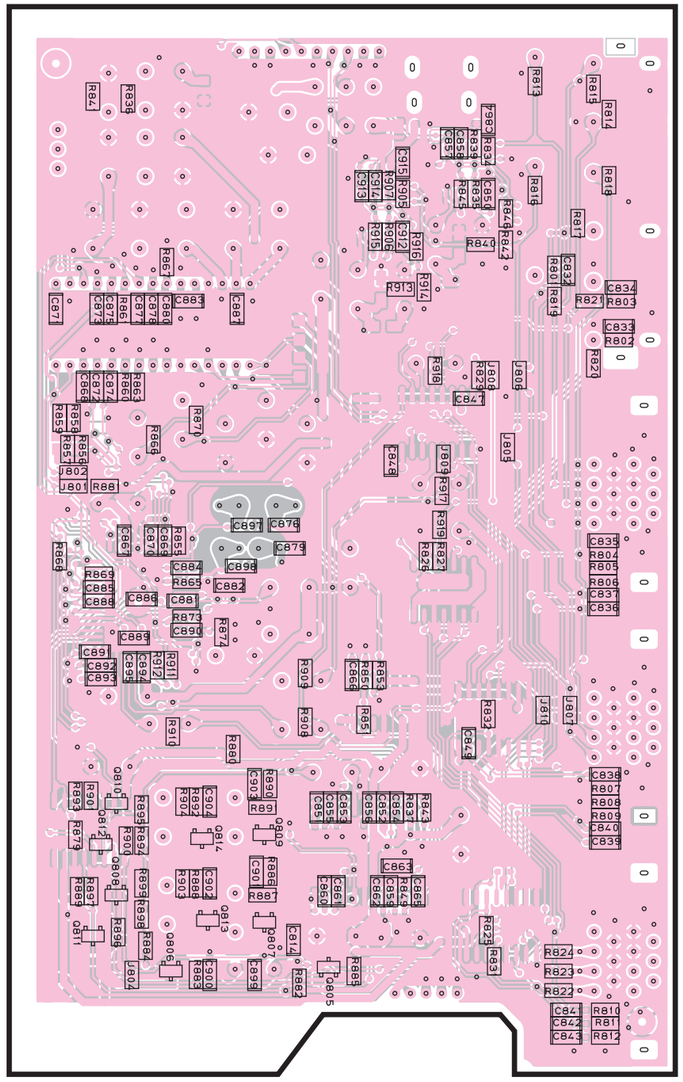


# ■ PRINTED CIRCUIT BOARD (Foil side) RX-V2400/RX-V2400RDS/DSP-AX2400

## CONVERSION P. C. B. (Lead Type Device)




## CONVERSION P. C. B. (Surface Mount Device)



• Semiconductor Location

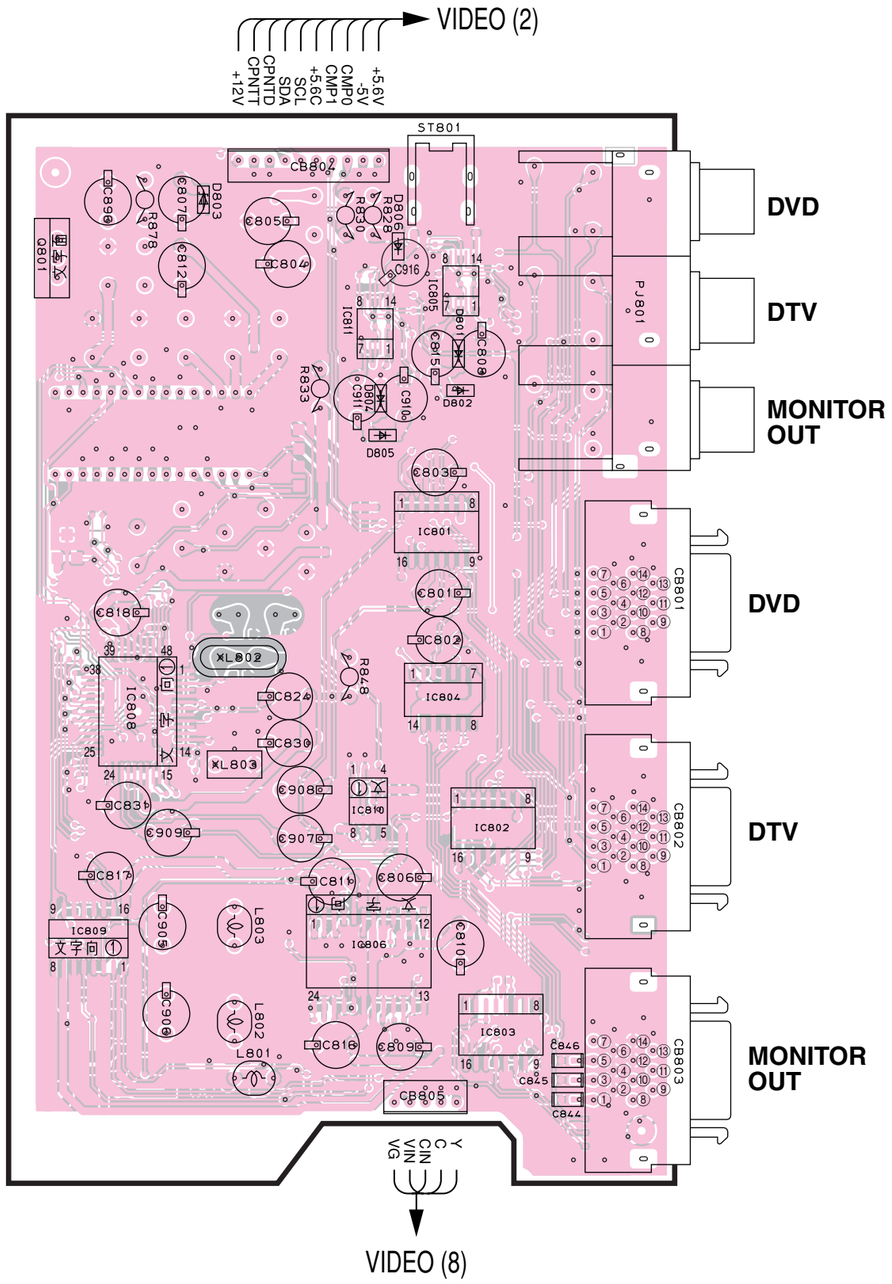
| Ref. No. | Location |
|---|---|
| D801 | C3 |
| D802 | C3 |
| D803 | B2 |
| D804 | C3 |
| D805 | C3 |
| D806 | C3 |
| IC801 | C4 |
| IC802 | C5 |
| IC803 | C6 |
| IC804 | C4 |
| IC805 | C3 |
| IC806 | C5 |
| IC807 | B3 |
| IC808 | B5 |
| IC809 | A5 |
| IC810 | C5 |
| IC811 | C3 |
| Q801 | A3 |
| Q802 | A4 |
| Q803 | B4 |
| Q804 | B3 |
| Q805 | F6 |
| Q806 | F6 |
| Q807 | F6 |
| Q808 | E6 |
| Q809 | F5 |
| Q810 | E5 |
| Q811 | E6 |
| Q812 | E6 |
| Q813 | F6 |
| Q814 | F5 |

| Circuit No. | J | U, C, K | R, T, A, B, G, L |
|---|---|---|---|
| C835~846 | O | X | X |
| C813, 819~823, 825, 827, 828, 868, 872, 874~877, 880, 887, 897 | X | X | O |
| CB801~803 | O | X | X |
| IC803 | O | X | X |
| IC807 | X | X | O |
| J801, 802 | O | O | X |
| J815, 816 | O | X | X |
| Q802~804 | X | X | O |
| R804~812, 822~825, 831 | O | X | X |
| R847, 856~861, 863, 866, 867, 870 | X | X | O |
| XL801 | X | X | O |

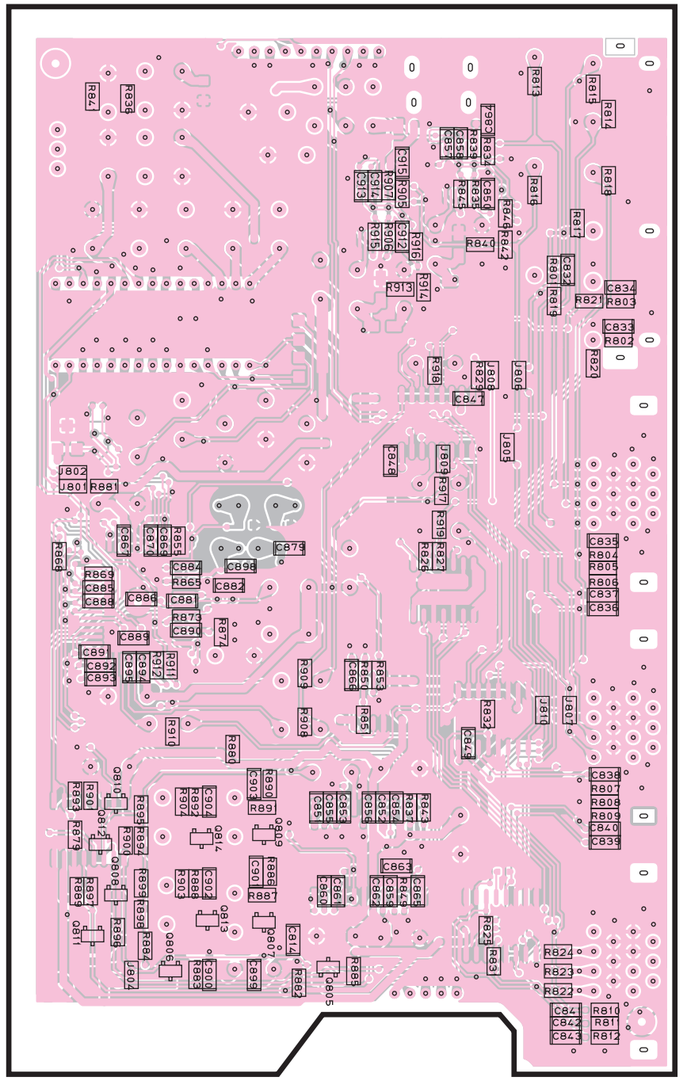
X: NOT USED
O: USED / APPLICABLE

## ■ PRINTED CIRCUIT BOARD (Foil side) RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

### CONVERSION P. C. B. (Lead Type Device)




### CONVERSION P. C. B. (Surface Mount Device)



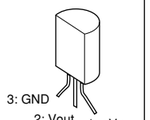
• Semiconductor Location

| Ref. No. | Location |
|---|---|
| D801 | C3 |
| D802 | C3 |
| D803 | B2 |
| D804 | C3 |
| D805 | C3 |
| D806 | C3 |
| IC801 | C4 |
| IC802 | C5 |
| IC803 | C6 |
| IC804 | C4 |
| IC805 | C3 |
| IC806 | C5 |
| IC808 | B5 |
| IC809 | A5 |
| IC810 | C5 |
| IC811 | C3 |
| Q801 | A3 |
| Q805 | F6 |
| Q806 | F6 |
| Q807 | F6 |
| Q808 | E6 |
| Q809 | F5 |
| Q810 | E5 |
| Q811 | E6 |
| Q812 | E6 |
| Q813 | F6 |
| Q814 | F5 |

# ■ PIN CONNECTION DIAGRAM

## • ICs

LM61CIZ




AN78N05
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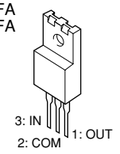
NJM7812FA

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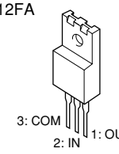


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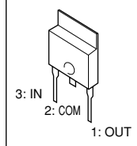


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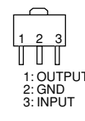


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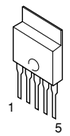
PQ025EZ5MZP

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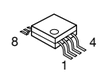
SN74AHCT1G32DCKR

NJM2068MD
NJM2904M
TK15420M
µPC4570G2

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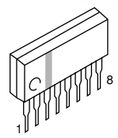


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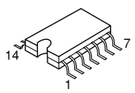


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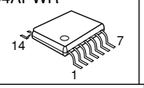


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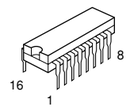


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LA7108M
M62320FP
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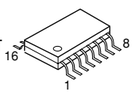


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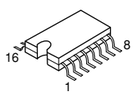
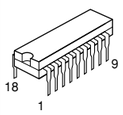
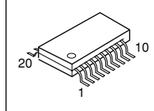
MM74HC4053SJX
TC74HC4052AF



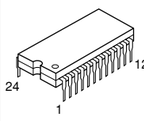

BU2092




SN74LV245APWR
YAC520-EE2




LC72722

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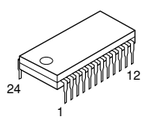
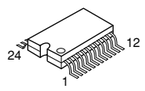



TC90A49F

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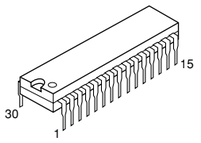


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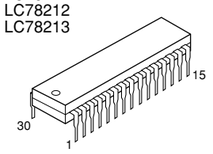
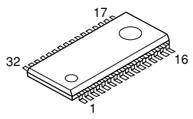
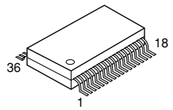
LC78212
LC78213



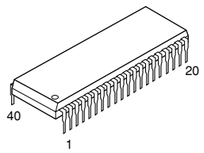

BD3841FS




LA7109




MSM514260E-60JS

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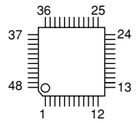
YAC523-EVR2

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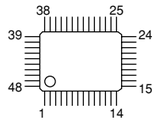


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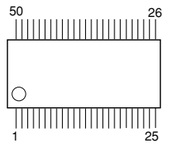


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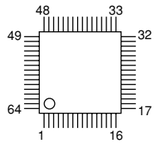


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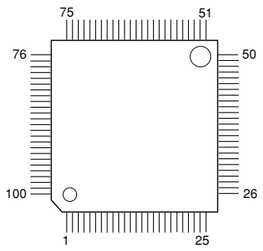


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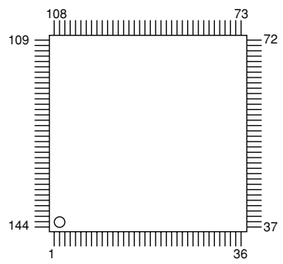


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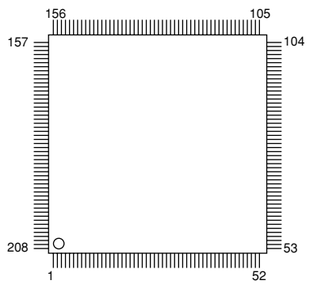
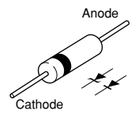
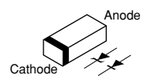



## • Diodes

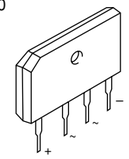
1N4002S
1SS133
1SS244
1T2
MTZJ3.0B
MTZJ4.7C
MTZJ5.1A
MTZJ6.2C
MTZJ7.5C
MTZJ9.1C
MTZJ10.0B
MTZJ12.0C
MTZJ15.0A
MTZJ16.0A
MTZJ16.0C
MTZJ24.0C
MTZJ30.0A
MTZJ33.0B



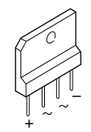

1SS355
1SS380
MA8051-M
MA8056-M
MA8068-L
MA8100-L
RB501V-40
UDZ 3.6BTE-17
UDZS5.6BTE-17
UDZ5.1B




D2SBA20

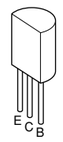



D15XB20

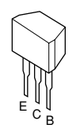



## • Transistors

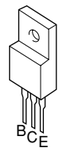
2SA893A
2SA970
2SA1015
2SB949
2SC535
2SC1815
2SC1890A
2SC2240
2SC1815
2SC1890A



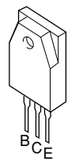

2SC1740S
2SD1915F
DTC144ES




2SA1837
2SB941
2SB1274
2SC3852
2SC4793
2SD1913

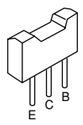



2SA1492
2SC3856

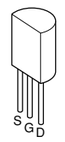



2SA1037K
2SC2412K
2SC3326
DTA144EKA
DTC144EKA

2SA1708
2SC4488
2SC4614




2SK246



# ■SCHEMATIC DIAGRAM (DSP 1/2)

Page 91 [I2] to OPERATION (3)

Page 93 [J8] to POWER (3)

Page 89 [E1] to FUNCTION

REGULATOR

TRANSCEIVER

DECODER

INPUT SELECTOR

REC OUT SELECTOR

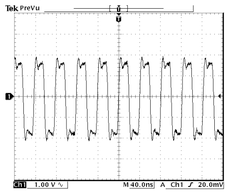
DIGITAL IN

SDRAM

CONTROL BUS

AUDIO BUS

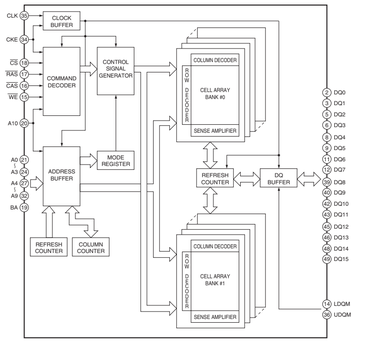
Point ① Pin 29 of IC509



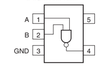

Interchangeable Parts at Manufacture-Stage

| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| &1 | U501-502 | GP1FA553TZ TOTX179 |
| &2 | U503-506 | GP1FA553RZ TORX179 |
| &3 | IC506 | NJM2904M NJM2904G |
| | | |
| &5 | IC517 | M13S14260E-60JS GLT44016-40J4 IS41C16257-35K IC41C16257-35K IS41C16257-60KT |
| &6 | Q513-524 | 2SC3326(A/B) 2SC3326(B) |

IC515: W981616BH-7
512K x 2 Banks x 16 Bits SDRAM




IC531: SN74AHC1G08DCKR
2-Input And Gate




CAPACITOR

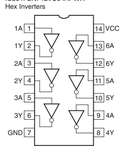
| REMARKS | PARTS NAME | |
|---|---|---|
| NO MARK | ELECTROLYTIC CAPACITOR | ‖ |
| ⊗ | TANTALUM CAPACITOR | ‖ |
| NO MARK | CERAMIC CAPACITOR | ‖ |
| ◉ | CERAMIC TUBULAR CAPACITOR | ‖ |
| ◎ | POLYESTER FILM CAPACITOR | ‖ |
| ○ | POLYSTYRENE FILM CAPACITOR | ‖ |
| Ⓜ | MICA CAPACITOR | ‖ |
| Ⓟ | POLYPROPYLENE FILM CAPACITOR | ‖ |
| ◉ | SEMICONDUCTIVE CERAMIC CAPACITOR | ‖ |
| Ⓢ | POLYPHENYLENE SULFIDE FILM CAPACITOR | ‖ |

RESISTOR

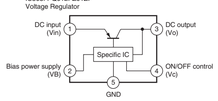
| REMARKS | PARTS NAME |
|---|---|
| NO MARK | CARBON FILM RESISTOR (P=5) |
| ☑ | CARBON FILM RESISTOR (P=10) |
| △ | METAL OXIDE FILM RESISTOR |
| ▲ | METAL FILM RESISTOR |
| ⊠ | METAL PLATE RESISTOR |
| ▰ | FIRE PROOF CARBON FILM RESISTOR |
| □ | CEMENT MOLDED RESISTOR |
| ⊘ | SEMI VARIABLE RESISTOR |
| ▬ | CHIP RESISTOR |

NOTICE (model)
(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(R)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE

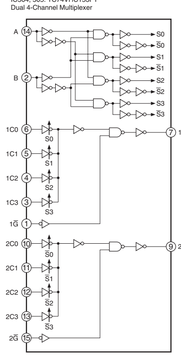
IC501: SN74LVU04APWR
Hex Inverters



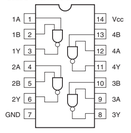

IC503: PQ012FZ01ZP
Voltage Regulator



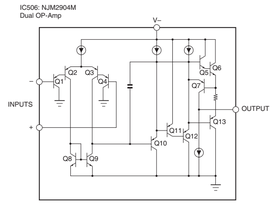

IC504, 505: TC74VHC153FT
Dual 4-Channel Multiplexer



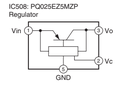

IC502: SN74AHCT00PWR
Quad 2-Input Nand Gate



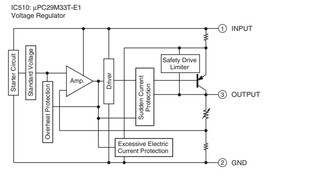

IC506: NJM2904M
Dual OP-Amp



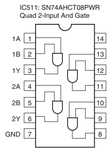

IC508: PQ025EZ5MZP
Regulator



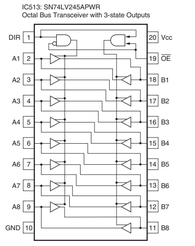

IC510: µPC29M33T-E1
Voltage Regulator




IC511: SN74AHCT08PWR
Quad 2-Input And Gate



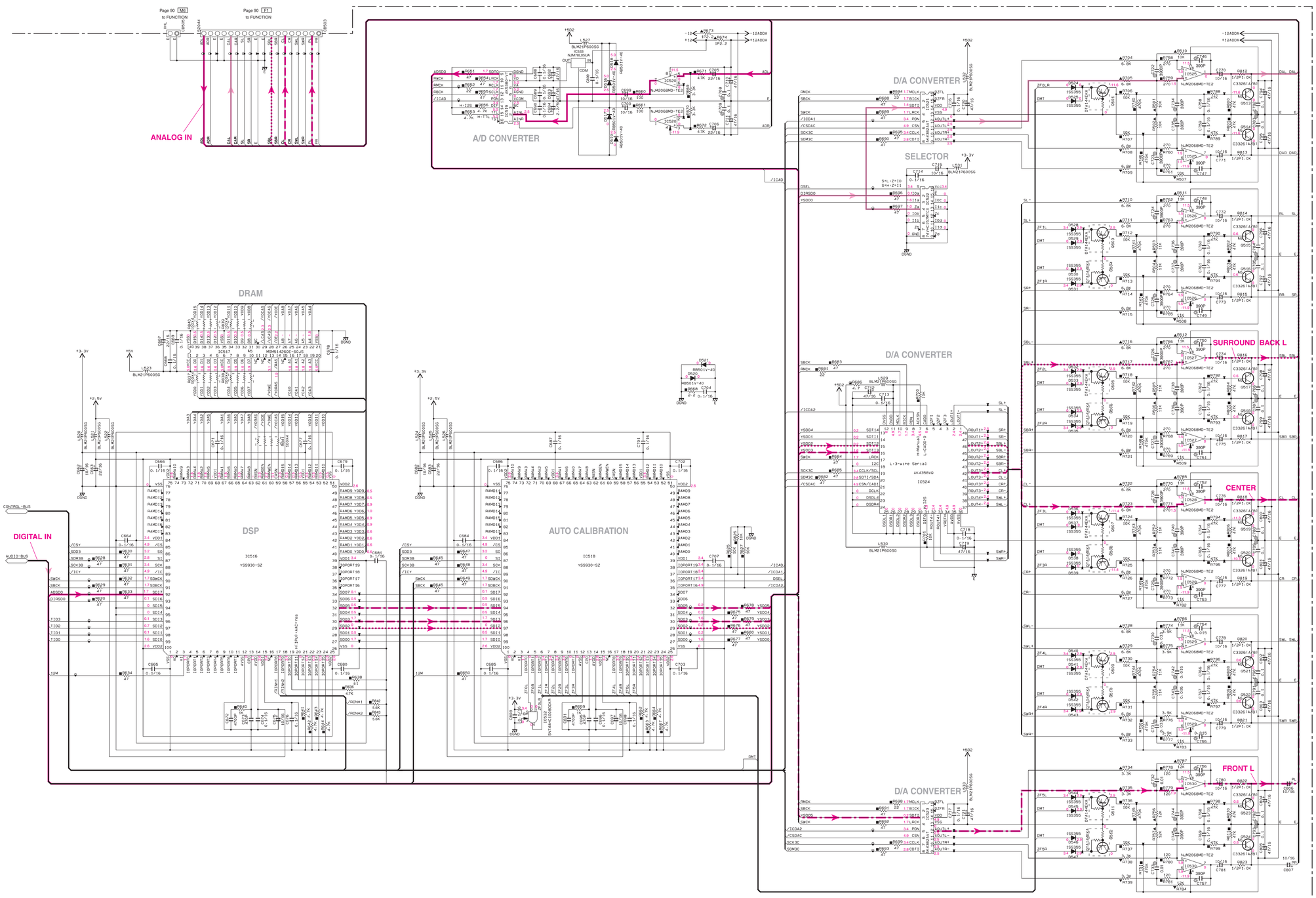

IC513: SN74LV245APWR
Octal Bus Transceiver with 3-state Outputs




★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
★ Components having special characteristics are marked ! and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● ! 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

# ■ SCHEMATIC DIAGRAM (DSP 2/2)



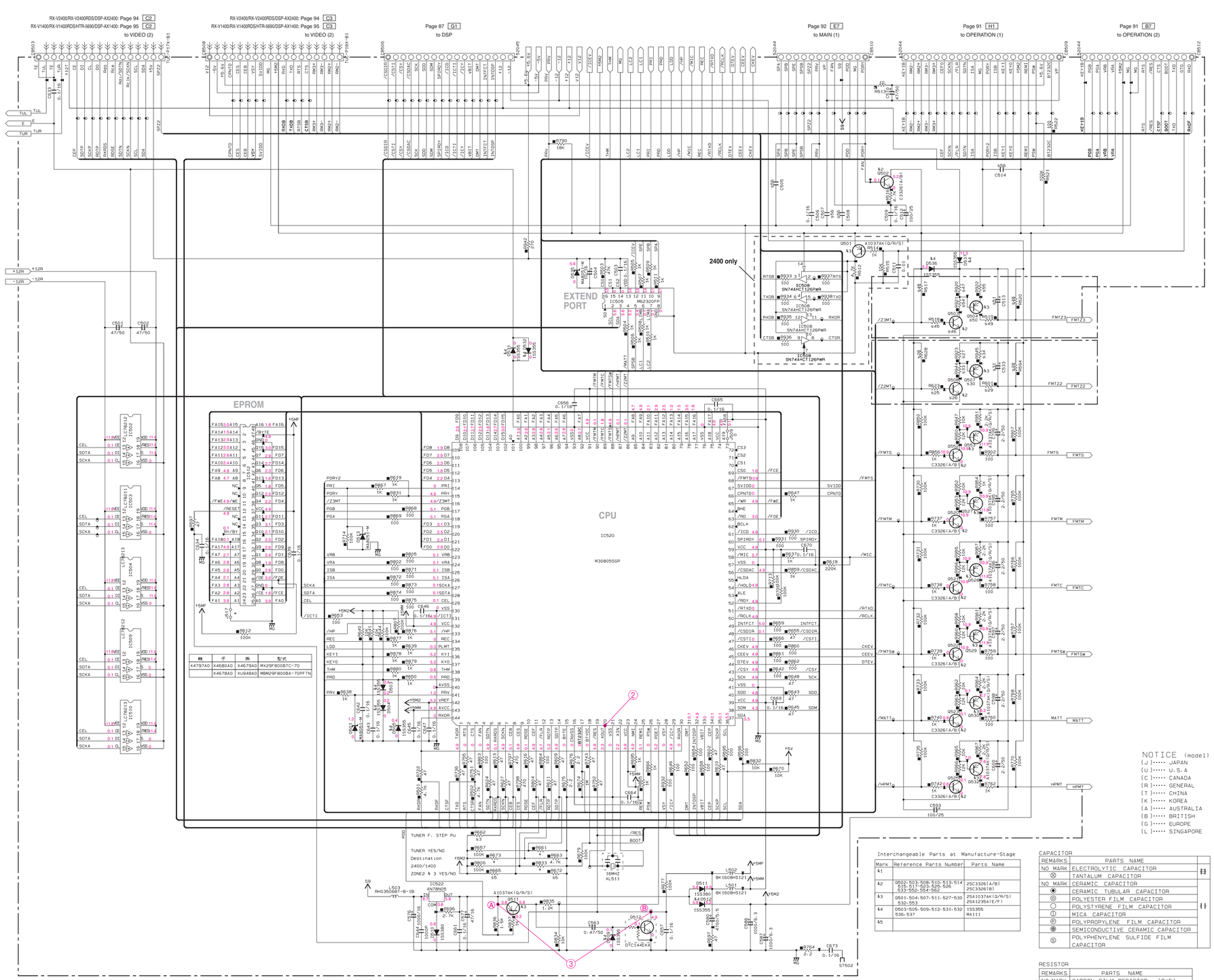

| S | Circuit No. | J | U-C-R-T-K-A-B-G-L | Memo | Remarks |
|---|---|---|---|---|---|
| 1 | R638 | x | 4.7K | AAC | |
| | | | RD35647 | | |
| 2 | PJ501 | RJ-1165-31-0500 | MSD-253V-29NI | | 2400 |
| | | WB79150 | WB49140 | | |

x: NOT USED
O: USED / APPLICABLE

★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
★ Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● ⚠印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

# ■SCHEMATIC DIAGRAM (FUNCTION 1/2)




| 廠 | 子 | 旗 | 型式 |
|---|---|---|---|
| X4797A0 | X4680A0 | X4679A0 | MX29F800BTC-70 |
| | X4678A0 | XUS48A0 | MBM29F800BA-70PFTN |

## NOTICE (model)

(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(R)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE

Interchangeable Parts at Manufacture-Stage

| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| ‡1 | | |
| ‡2 | 0502-503-508-510-513-514 515-517-523-525-526 533-552-554-562 | 2SC3326(A/B) 2SC3326(B) |
| ‡3 | 0501-504-507-511-527-530 532-553 | 2SA1037AK(Q/R/S) 2SA1235A(E/F) |
| ‡4 | 0503-505-509-512-531-532 536-537 | 1SS355 MA111 |
| ‡5 | | |

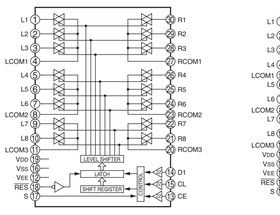
CAPACITOR

| REMARKS | PARTS NAME | |
|---|---|---|
| NO MARK | ELECTROLYTIC CAPACITOR | ‡3 |
| ⊗ | TANTALUM CAPACITOR | |
| NO MARK | CERAMIC CAPACITOR | |
| ● | MYLAR FILM CAPACITOR | |
| ◎ | POLYESTER FILM CAPACITOR | |
| ○ | POLYSTYRENE FILM CAPACITOR | ‡4 |
| ⓘ | MICA CAPACITOR | |
| ⓟ | POLYPROPYLENE FILM CAPACITOR | |
| ◉ | SEMICONDUCTIVE CERAMIC CAPACITOR | |
| Ⓢ | POLYPHENYLENE SULFIDE FILM CAPACITOR | |

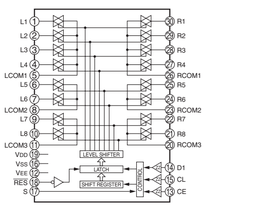
RESISTOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | CARBON FILM RESISTOR (P=5) |
| ▽ | CARBON FILM RESISTOR (P=10) |
| △ | METAL OXIDE FILM RESISTOR |
| ▲ | METAL FILM RESISTOR |
| ⊠ | METAL PLATE RESISTOR |
| ◪ | FIRE PROOF CARBON FILM RESISTOR |
| ▱ | CEMENT MOLDED RESISTOR |
| ⊘ | SEMI VARIABLE RESISTOR |
| ■ | CHIP RESISTOR |

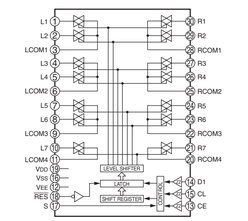
IC502, 509: LC78212
Analog Function Switch



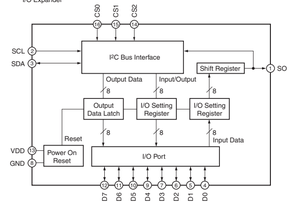
IC503: LC78211
Analog Function Switch



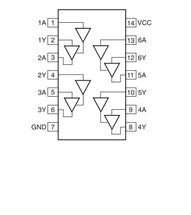
IC504, IC510: LC78213
Analog Function Switch



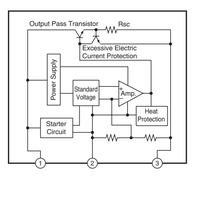
IC505: M62320FP
I/O Expander



IC508: SN74AHCT126PW
Quadruple Bus Buffer Gates with 3-state Outputs



IC522: AN78N05
Voltage Regulator



★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
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★ Schematic diagram is subject to change without notice.

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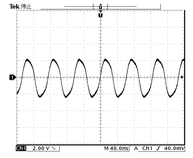
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

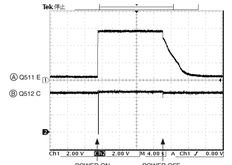
| S | Circuit No. | J | U-C | R-L | T-K-B-G | A | Remarks | Comment |
|---|---|---|---|---|---|---|---|---|
| 1 | C517-518 | x | x | x | 220P UA5J220 | 220P UA5J220 | | SEMKO |
| 2 | R546-547 | 47 RD35447 | 47 RD35447 | 47 RD35447 | 2.2K RD35622 | 2.2K RD35622 | | Immunity |
| 3 | R662 | x | x | 100K RD35810 | x | x | | TUNER Freq.Step Switch |
| 4 | | | | | | | | |
| 5 | R665 | x | 100K RD35810 | x | x | 100K RD35810 | | Zone 2 Yes |
| 6 | R672 | 4.7K RD35647 | x | 4.7K RD35647 | 4.7K RD35647 | x | | No |
| 7 | IC506 | BD3841FS X3547A0 | BD3841FS X3547A0 | BD3841FS X3547A0 | BD3841FS X3547A0 | BD3841FS X3547A0 | 2400 | |
| | IC506 | x | BD3841FS X3547A0 | x | x | BD3841FS X3547A0 | 1400 | |
| 8 | R577, 908 | 10k RD35710 | 10k RD35710 | 10k RD35710 | 10k RD35710 | 10k RD35710 | 2400 | |
| | R577, 908 | x | 47/50 UR26747 | x | x | 47/50 UR26747 | 1400 | |
| 9 | C560, 565 | 47/50 UR26747 | 47/50 UR26747 | 47/50 UR26747 | 47/50 UR26747 | 47/50 UR26747 | 2400 | |
| | C560, 565 | x | 47/50 UR26747 | x | x | 47/50 UR26747 | 1400 | |
| 10 | C562, 566 | x | 10/16 UR23710 | x | x | 10/16 UR23710 | 2400 | |
| | C561, 562 564, 566 | x | 10/16 UR23710 | x | x | 10/16 UR23710 | 1400 | |
| 11 | R587, 588 | x | 100K RD35810 | x | x | 100K RD35810 | 2400 | |
| | R578, 580 585-588 | x | 100K RD35810 | x | x | 100K RD35810 | 1400 | |
| 12 | R581, 582 | 100K RD35810 | x | 100K RD35810 | 100K RD35810 | x | 2400 | Z3 NON |
| 13 | | | | | | | | |
| 14 | R710-711 | x | 22K RD35722 | x | x | 22K RD35722 | | |
| 15 | C571-572-579 581-610-624 625 | x | 10/16 UR23710 | x | x | 10/16 UR23710 | | |
| 16 | IC526 | x | YAC520-EE2 XZ54540 | x | x | YAC520-EE2 XZ54540 | | |
| 17 | C568, 603, 604 | x | 47/16 UR23747 | x | x | 47/16 UR23747 | | |
| 18 | C611-612 | x | 0.1/16 US13510 | x | x | 0.1/16 US13510 | | |
| 19 | R635 | x | 47K RD35747 | x | x | 47K RD35747 | | |
| 20 | R680-681 | x | 5.6K RF35656 | x | x | 5.6K RF35656 | | |
| 21 | IC527 | x | URC457002 XF29140 | x | x | URC457002 XF29140 | | |
| 22 | C620-621 | x | 47PCH US06147 | x | x | 47PCH US06147 | | |
| 23 | R692-693 | x | 12K RF35712 | x | x | 12K RF35712 | | |
| 24 | R725-726 771-772 | x | 470 RD35547 | x | x | 470 RD35547 | | |
| 25 | R623 | x | 1K RD35610 | x | x | 1K RD35610 | | |
| 26 | Q508-517-518 533-534 | x | C3326(A/B) VD30370 | x | x | C3326(A/B) VD30370 | | |
| 27 | R783-784-785 786-923 | x | 10K RD35710 | x | x | 10K RD35710 | | |
| 28 | R628-594 | x | 100K RD35810 | x | x | 100K RD35810 | | |
| 29 | R601 | x | 100 RD35510 | x | x | 100 RD35510 | | |
| 30 | Q507 | x | A1037AK(Q/R/S) VV55650 | x | x | A1037AK(Q/R/S) VV55650 | | |
| 31 | C533 | x | 2.2/50 UR26622 | x | x | 2.2/50 UR26622 | | |
| 32 | Q506 | x | C4488 (S/T) VP87270 | x | x | C4488 (S/T) VP87270 | | |
| 33 | R944 | x | 12K RD35712 | x | x | 12K RD35712 | | |
| 34 | R945 | x | 2.2K RD35622 | x | x | 2.2K RD35622 | | |
| 35 | C573-574-582 583-613-626 627 | x | 10/16 UR23710 | x | x | 10/16 UR23710 | 2400 | |
| | C626, 627 | x | 10/16 UR23710 | x | x | 10/16 UR23710 | 1400 | |
| 36 | IC531 | x | YAC520-EE2 XZ54540 | x | x | YAC520-EE2 XZ54540 | 2400 | |
| 37 | C605-606 | x | 47/16 UR23747 | x | x | 47/16 UR23747 | 2400 | |
| 38 | C614-615 | x | 0.1/16 US13510 | x | x | 0.1/16 US13510 | 2400 | |
| 39 | R636 | x | 47K RD35747 | x | x | 47K RD35747 | 2400 | |
| 40 | R682-683 | x | 5.6K RF35656 | x | x | 5.6K RF35656 | 2400 | |
| 41 | IC530 | x | URC457002 XF29140 | x | x | URC457002 XF29140 | 2400 | |
| 42 | C622-623 | x | 47PCH US06147 | x | x | 47PCH US06147 | 2400 | |
| 43 | R694-698 | x | 12K RF35712 | x | x | 12K RF35712 | 2400 | |
| 44 | R727-728 773-774 | x | 470 RD35547 | x | x | 470 RD35547 | | |
| 45 | R618 | x | 1K RD35610 | x | x | 1K RD35610 | | |
| 46 | Q503-519-526 535-536 | x | C3326(A/B) VD30370 | x | x | C3326(A/B) VD30370 | | |
| 47 | R787-788-789 791-920 | x | 10K RD35710 | x | x | 10K RD35710 | | |
| 48 | R517-520 | x | 100K RD35810 | x | x | 100K RD35810 | | |
| 49 | R519 | x | 100 RD35510 | x | x | 100 RD35510 | | |
| 50 | Q504 | x | A1037AK(Q/R/S) VV55650 | x | x | A1037AK(Q/R/S) VV55650 | | |
| 51 | C513 | x | 2.2/50 UR26622 | x | x | 2.2/50 UR26622 | | |
| 52 | R668 | x | 4.7 HV75347 | x | x | 4.7 HV75347 | | |
| 53 | C616 | x | 47/16 UR23747 | x | x | 47/16 UR23747 | | |
| 54 | R921 | x | 12K RD35712 | x | x | 12K RD35712 | | |
| 55 | R922 | x | 2.2K RD35622 | x | x | 2.2K RD35622 | | |
| 56 | C505-507-508 514-720-723 724 | x | 0.1/16 US13510 | x | x | 0.1/16 US13510 | | FCC |
| 57 | R712-715 | x | 22K RD35722 | x | x | 22K RD35722 | | ZONE3 |
| 58 | J514-516 | x | 0 RD35000 | x | x | 0 RD35000 | | ZONE2/3 |
| 59 | | | | | | | | |
| 60 | J501-502 503-504 | x | x | x | x | x | 2400 | |
| | J501, 502 | x | x | x | x | x | 1400 | |
| | J503, 504 | x | o | x | x | o | 1400 | |
| 61 | J505-506 | o | x | o | o | x | | |
| 62 | Q501 | o | o | o | o | o | 2400 | |
| 63 | R515 | o | o | o | o | o | 2400 | |
| 64 | R501, 502, 512 | o | o | o | o | o | 2400 | |
| 65 | R514 | o | o | o | o | o | 2400 | |
| 66 | C511 | o | o | o | o | o | 2400 | |
| 67 | IC508 | o | o | o | o | o | 2400 | |
| 68 | R933-938 | o | o | o | o | o | 2400 | |
| 69 | | | | | | | | |
| 70 | | | | | | | | |
| 71 | PJ501-502 | MSP-244V1-03GL V97670 | MSP-244V1-01N1 V70467O | MSP-244V1-01N1 V70467O | MSP-244V1-01N1 V70467O | MSP-244V1-01N1 V70467O | 2400 | PIN JACK NI or GL |
| 72 | PJ503 | MSP-244V6-03GL V97968O | MSP-244V6-01N1 V80413O | MSP-244V6-01N1 V80413O | MSP-244V6-01N1 V80413O | MSP-244V6-01N1 V80413O | 2400 | |
| 73 | PJ504 | MSP-246V1-32GL V97969O | MSP-246V1-18N1 V93943O | MSP-246V1-18N1 V93943O | MSP-246V1-18N1 V93943O | MSP-246V1-18N1 V93943O | 2400 | |
| | X4548 | WB72520 | WB72530 | WB72540 | WB72550 | WB72560 | 2400 | |
| | X4548 | WB72590 | WB72600 | WB72610 | WB72620 | WB72630 | 1400 | |
| S | Circuit No. | J | U-C | R-L | K-T-B-G | A | | Comment |

K: NOT USED
O: USED / APPLICABLE

**Point** ② Pin 20 of IC520




**Point** ③ emitter of Q511 and collector of Q512




POWER ON
(Connect the power cord)

POWER OFF
(Disconnect the power cord)

# ■SCHEMATIC DIAGRAM (FUNCTION 2/2)




| 設計値 | | | | |
|---|---|---|---|---|
| | VOL | | | TOTAL 14dB |
| MAIN | 8.0 | 0.0 | 6.0 | 14.0 |
| CENTER | 0.0 | 14.0 | 0.0 | 14.0 |
| SURROUND | 1.5 | 12.5 | 0.0 | 14.0 |
| SURROUND BACK | 0.0 | 8.0 | 6.0 | 14.0 |
| SUB WOOFER | 0.0 | 8.0 | 6.0 | 14.0 |
| ZONE2 & ZONE3 | 0.0 | 8.0 | 6.0 | 14.0 |

| 実設計算値 | | | | |
|---|---|---|---|---|
| | VOL | | | TOTAL 14dB |
| MAIN | 7.959 | 0.0 | 6.619 | 14.578 |
| CENTER | 0.00 | 14.0 | 0.0 | 14.00 |
| SURROUND | 1.686 | 12.5 | 0.0 | 14.772 |
| SURROUND BACK | 0.0 | 8.0 | 7.313 | 15.313 |
| SUB WOOFER | 0.584 | 0.0 | 6.292 | 14.876 |
| ZONE2 & ZONE3 | 0.0 | 8.0 | 6.619 | 14.619 |

| Mix部 設計値 | |
|---|---|
| F MIX MAIN | 11.0 |
| F MIX FRONT | 0.00 |
| CENTER MIX | -3.0 |
| SURROUND MIX | 0.0 |
| SUB WOOFER MIX | 0.5 |

| Mix部 実設計算値 | |
|---|---|
| F MIX MAIN | 10.88 |
| F MIX FRONT | 0.00 |
| CENTER MIX | -3.071 |
| SURROUND MIX | 0.00 |
| SUB WOOFER MIX | 3.521 |

RESISTOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | CARBON FILM RESISTOR (P=5) |
| ☑ | CARBON FILM RESISTOR (P=10) |
| △ | METAL OXIDE FILM RESISTOR |
| ▲ | METAL FILM RESISTOR |
| ⊠ | METAL PLATE RESISTOR |
| ◪ | FIRE PROOF CARBON FILM RESISTOR |
| □ | CEMENT MOLDED RESISTOR |
| ⊘ | SEMI VARIABLE RESISTOR |
| ■ | CHIP RESISTOR |

NOTICE (model)

(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(R)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE

CAPACITOR

| REMARKS | PARTS NAME |
|---|---|
| | ELECTROLYTIC CAPACITOR |
| ⊗ | TANTALUM CAPACITOR |
| NO MARK | CERAMIC CAPACITOR |
| Ⓒ | CERAMIC TUBULAR CAPACITOR |
| Ⓔ | POLYESTER FILM CAPACITOR |
| Ⓢ | POLYSTYRENE FILM CAPACITOR |
| Ⓜ | MICA CAPACITOR |
| Ⓟ | POLYPROPYLENE FILM CAPACITOR |
| Ⓒ | SEMICONDUCTIVE CERAMIC CAPACITOR |
| Ⓟ | POLYPHENYLENE SULFIDE FILM CAPACITOR |

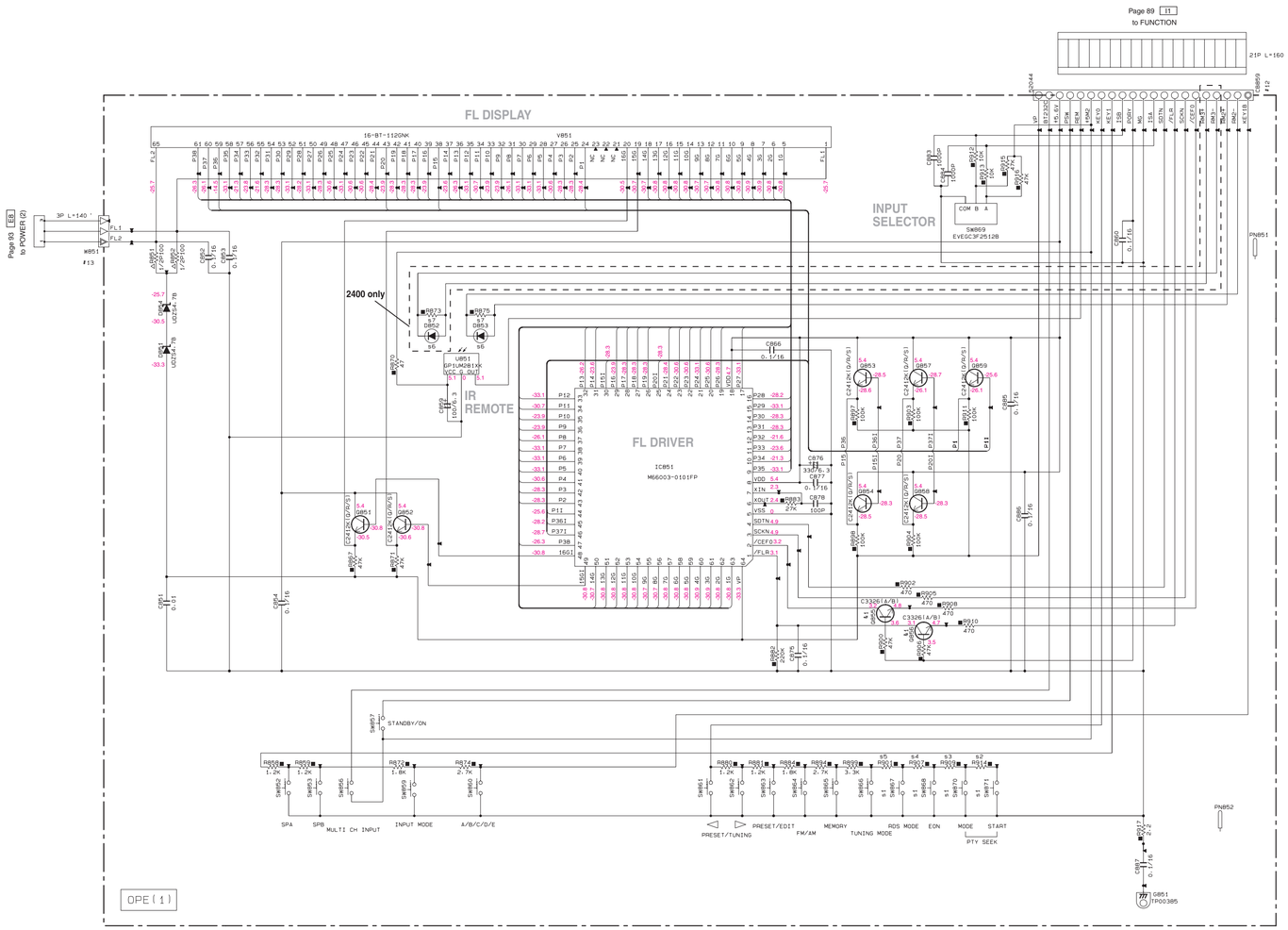
Interchangeable Parts at Manufacture-Stage

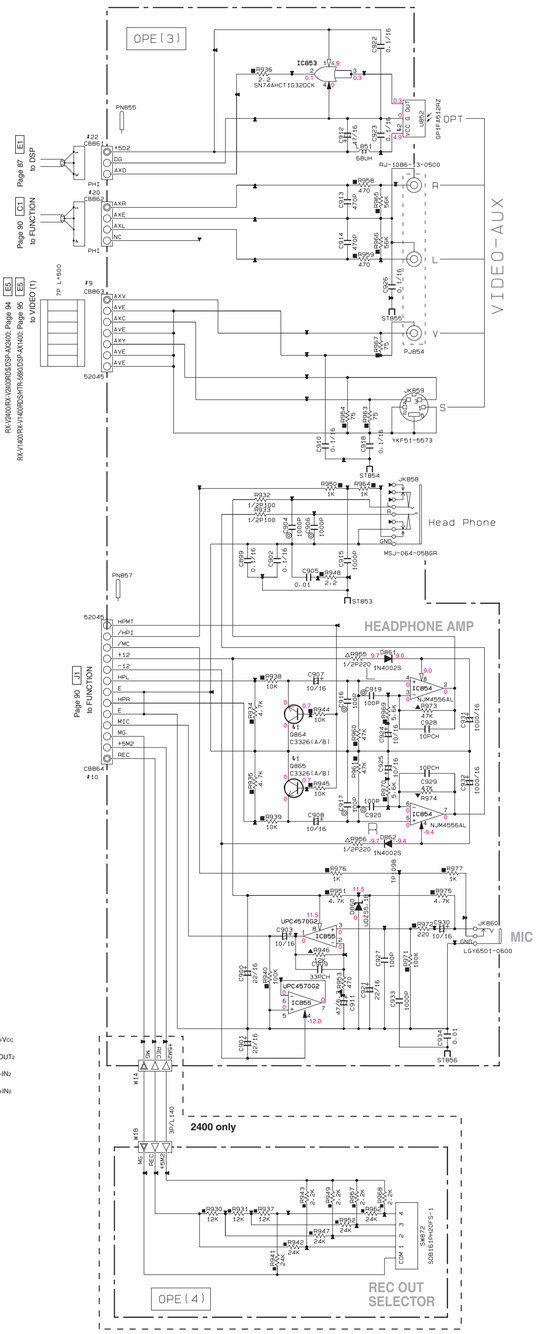
| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| k1 | IC512 | MX29F400BTC-70<br>MBM29F400BC-70PFTN |
| k2 | 0502-510-513-515-517-519<br>526-533-551-554-566- | 2SC3326(A/B)<br>2SC3326(B) |
| k3 | 0501-503-504-507-552-563<br>520-525-527-532 | 2SA1037AK(Q/R/S)<br>2SA1235A(E/F) |
| k4 | | |
| k5 | | |

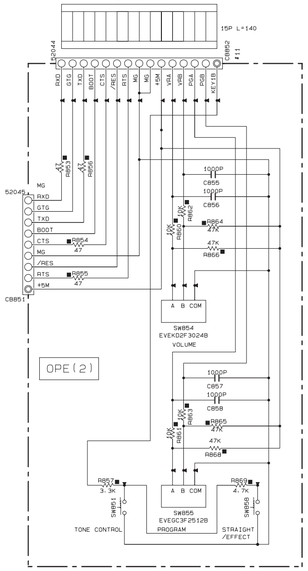
★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
★ Components having special characteristics are marked ! and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● ! 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

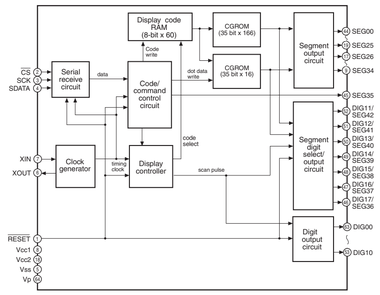
# ■SCHEMATIC DIAGRAM (OPERATION)



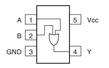



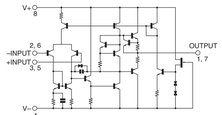

IC851: M66003-0101FP
FL Display Driver



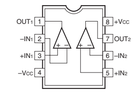

IC853: SN74AHCT1G32DCKR
2-Input or Gate




IC854: NJM4556AL
Dual OP-Amp




IC855: μPC4570G2
Dual OP-Amp




NOTICE (mode1)
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(R)····· GENERAL
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(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE

RESISTOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | CARBON FILM RESISTOR (P=5) |
| ☑ | CARBON FILM RESISTOR (P=10) |
| △ | METAL OXIDE FILM RESISTOR |
| ▲ | METAL FILM RESISTOR |
| ⊠ | METAL PLATE RESISTOR |
| ▨ | FIRE PROOF CARBON FILM RESISTOR |
| □ | CEMENT MOLDED RESISTOR |
| ⊗ | SEMI VARIABLE RESISTOR |
| ■ | CHIP RESISTOR |

CAPACITOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | ELECTROLYTIC CAPACITOR |
| ⊗ | TANTALUM CAPACITOR |
| NO MARK | CERAMIC CAPACITOR |
| ◉ | CERAMIC TUBULAR CAPACITOR |
| ◎ | POLYESTER FILM CAPACITOR |
| ○ | POLYSTYRENE FILM CAPACITOR |
| ⓘ | MICA CAPACITOR |
| ⓟ | POLYPROPYLENE FILM CAPACITOR |
| ◉ | SEMICONDUCTIVE CERAMIC CAPACITOR |
| Ⓢ | POLYPHENYLENE SULFIDE FILM CAPACITOR |

Interchangeable Parts at Manufacture-Stage

| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| !1 | Q855-856-864-865 | 2SC3326(A/B) 2SC3326(B) |
| !2 | U852 | GP1FA512RZ GP1FA513RZ |
| !3 | | |
| !4 | | |
| !5 | | |

2400

| | | DSP-AX2400 RX-V2400 | RX-V2400 | RX-V2400/RDS |
|---|---|---|---|---|
| | | WB72660 | WB72670 | WB72680 |
| S | Circuit No. | J-R-T-K-L | U-C-A | B-G |
| !1 | SW867-868 870-871 | x | x | V475710 |
| 2 | R914 | x | x | 47K RD35747 |
| 3 | R909 | x | x | 18K RD35718 |
| 4 | R907 | x | x | 8.2K RD35682 |
| 5 | R901 | x | x | 4.7K RD35647 |
| 6 | D852-853 | x | SIR-506ST V259820 | x |
| 7 | R873-875 | x | 10K RD35710 | x |
| | | | | |
| | | | | |

x: NOT USED
O: USED / APPLICABLE

1400

| | | DSP-AX1400 RX-V1400 | RX-V1400 | RX-V1400/RDS |
|---|---|---|---|---|
| | | WB72690 | WB72700 | WB72710 |
| S | Circuit No. | J-R-T-K-L | U-C-A | B-G |
| !1 | SW867-868 870-871 | x | x | V475710 |
| 2 | R914 | x | x | 47K RD35747 |
| 3 | R909 | x | x | 18K RD35718 |
| 4 | R907 | x | x | 8.2K RD35682 |
| 5 | R901 | x | x | 4.7K RD35647 |
| 6 | D853 | x | SIR-506ST V259820 | x |
| 7 | R875 | x | 10K RD35710 | x |
| | | | | |
| | | | | |

x: NOT USED
O: USED / APPLICABLE

★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
★ Components having special characteristics are marked ! and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● ! 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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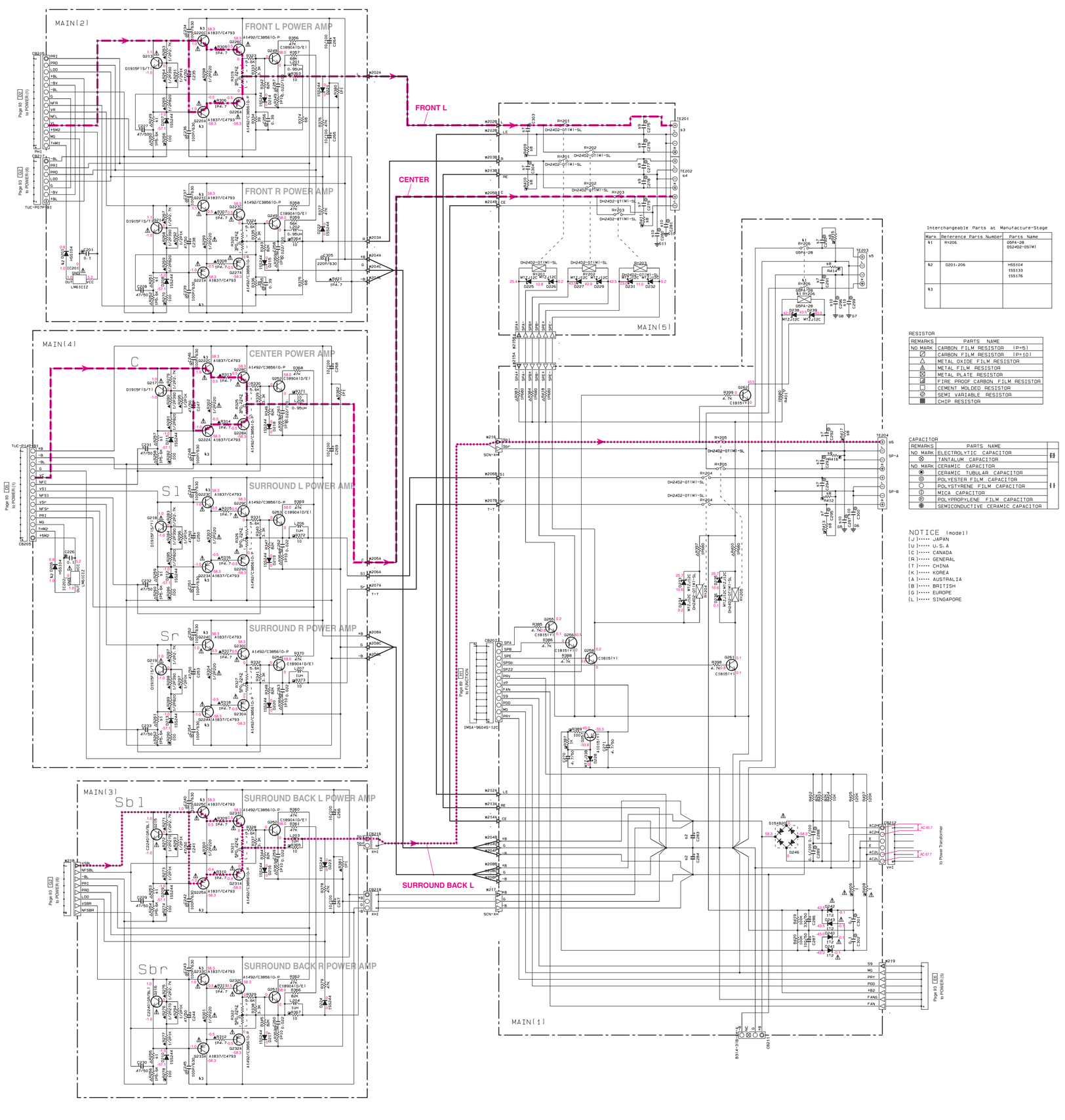
# ■ SCHEMATIC DIAGRAM (MAIN)




Interchangeable Parts at Manufacture-Stage

| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| &1 | RY206 | G5PA-28<br>DS24D2-DSTMI |
| &2 | D201-206 | HSS104<br>1SS133<br>1SS176 |
| &3 | | |

RESISTOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | CARBON FILM RESISTOR (P=5) |
| | CARBON FILM RESISTOR (P=10) |
| | METAL OXIDE FILM RESISTOR |
| | METAL FILM RESISTOR |
| | METAL PLATE RESISTOR |
| | FIRE PROOF CARBON FILM RESISTOR |
| | CEMENT MOLDED RESISTOR |
| | SEMI VARIABLE RESISTOR |
| | CHIP RESISTOR |

CAPACITOR

| REMARKS | PARTS NAME | |
|---|---|---|
| NO MARK | ELECTROLYTIC CAPACITOR | ⊟ |
| | TANTALUM CAPACITOR | |
| NO MARK | CERAMIC CAPACITOR | ⊟ |
| | CERAMIC TUBULAR CAPACITOR | |
| | POLYESTER FILM CAPACITOR | |
| | POLYSTYRENE FILM CAPACITOR | |
| | MICA CAPACITOR | |
| | POLYPROPYLENE FILM CAPACITOR | |
| | SEMICONDUCTIVE CERAMIC CAPACITOR | |

NOTICE (model)
(J)····· JAPAN
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(G)····· EUROPE
(L)····· SINGAPORE

2400

| | | J | U-C-R-T-A | K-B-G-L |
|---|---|---|---|---|
| s1 | R249-251-257-259-261-253-255 | VP94160<br>1PS.8K | VP94170<br>1PS.8K | VP94170<br>1PS.8K |
| s2 | C283-284 | W879920 | V946890 | W879920 |
| s3 | TE201 | V945880<br>LTS-0410-3012 | V945880<br>LTS-0410-3012 | V947100<br>LTS-0410-3012 |
| s4 | TE202 | W842470<br>LTS-0610-2011 | W842470<br>LTS-0610-2011 | W842480<br>LTS-0610-2012 |
| s5 | TE203 | VB25990<br>LGA2411-0001 | VB25990<br>LGA2411-0001 | VB25990<br>LGA2411-0003 |
| s6 | TE204 | V945900<br>LTS-0810-1016 | V945900<br>LTS-0810-1016 | V945890<br>LTS-0810-1015 |
| s7 | C303-304-279-290-291-292-293-294-295 | ——— | UA65422<br>0.022 | UA65422<br>0.022 |
| s8 | R409-410-411-412-413-414-415-416-417 | ——— | HV75347<br>4.7 | HV75347<br>4.7 |
| s9 | C275-276-277-278 | ——— | UA65347<br>4700P | UA65347<br>4700P |
| s10 | C280-281-296-297-299-300 | ——— | UA65410<br>0.01 | UA65410<br>0.01 |

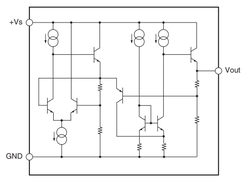
x: NOT USED
O: USED / APPLICABLE

1400

| | | J | U-C-R-T-A | K-B-G-L |
|---|---|---|---|---|
| s1 | R249-251-257-259-261-253-255 | VP94160<br>1PS.8K | VP94170<br>1PS.8K | VP94170<br>1PS.8K |
| s2 | C283-284 | V946880<br>12000/71 | W87430<br>10000/71 | V946880<br>12000/71 |
| s3 | TE201 | V945880<br>LTS-0410-3012 | V945880<br>LTS-0410-3012 | V947100<br>LTS-0410-3012 |
| s4 | TE202 | W842470<br>LTS-0610-2011 | W842470<br>LTS-0610-2011 | W842480<br>LTS-0610-2012 |
| s5 | TE203 | VB25990<br>LGA2411-0001 | VB25990<br>LGA2411-0001 | VB25990<br>LGA2411-0003 |
| s6 | TE204 | V945900<br>LTS-0810-1016 | V945900<br>LTS-0810-1016 | V945890<br>LTS-0810-1015 |
| s7 | C303-304-279-290-291-292-293-294-295 | ——— | UA65422<br>0.022 | UA65422<br>0.022 |
| s8 | R409-410-411-412-413-414-415-416-417 | ——— | HV75347<br>4.7 | HV75347<br>4.7 |
| s9 | C275-276-277-278 | ——— | UA65347<br>4700P | UA65347<br>4700P |
| s10 | C280-281-296-297-299-300 | ——— | UA65410<br>0.01 | UA65410<br>0.01 |

x: NOT USED
O: USED / APPLICABLE

IC201, 202: LM61CIZ
Temperature Sensor




★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
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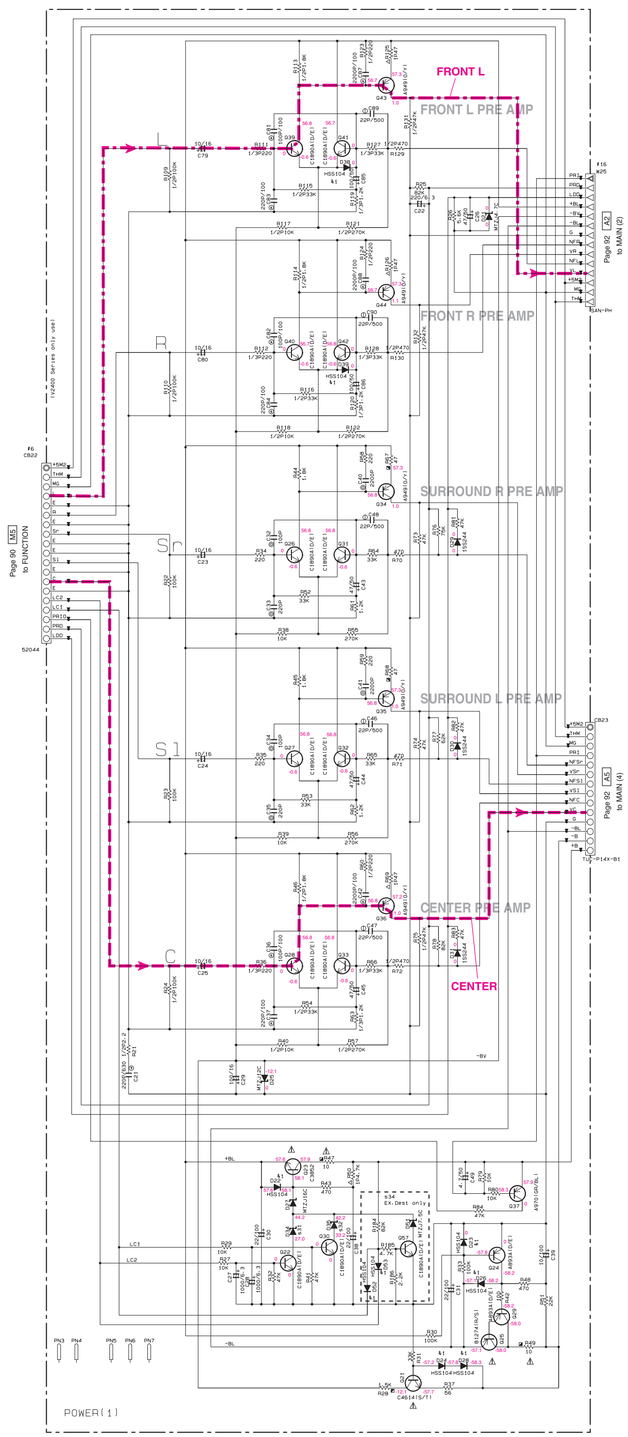
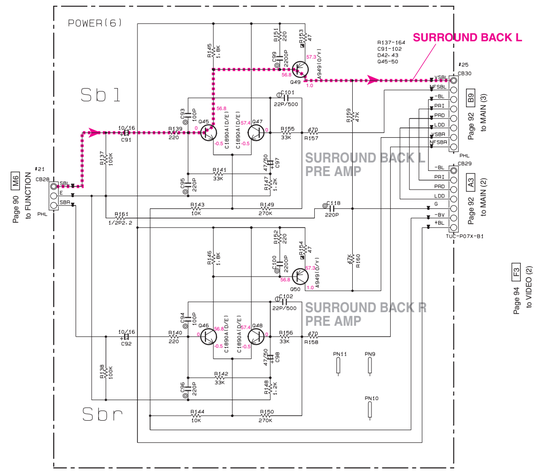
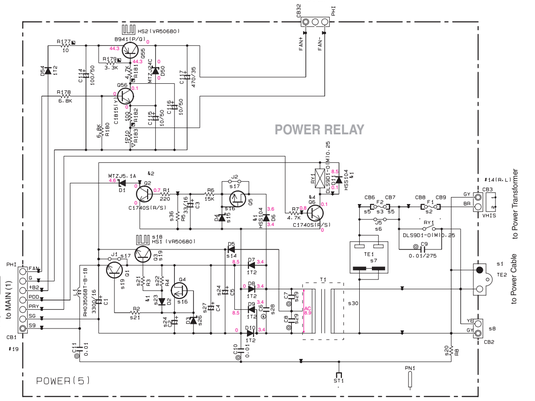
# ■SCHEMATIC DIAGRAM (POWER)




NOTICE (model)
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(U)····· U.S.A
(C)····· CANADA
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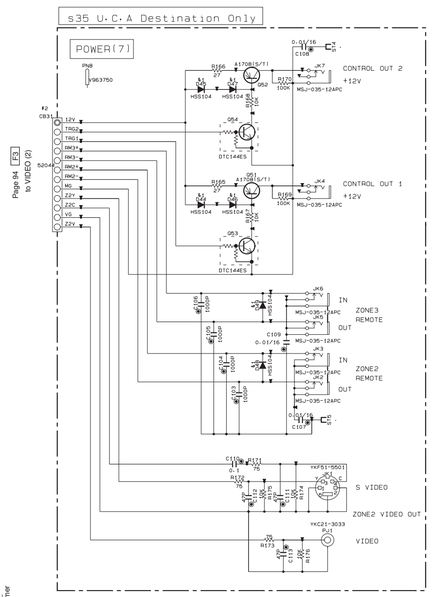
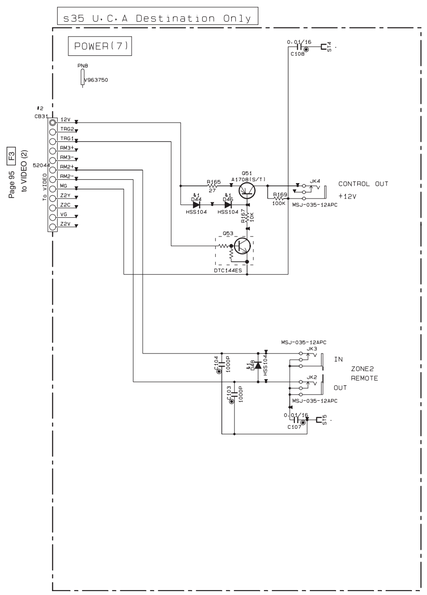
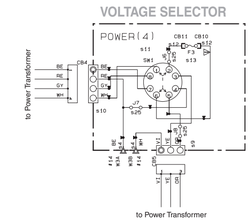
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE

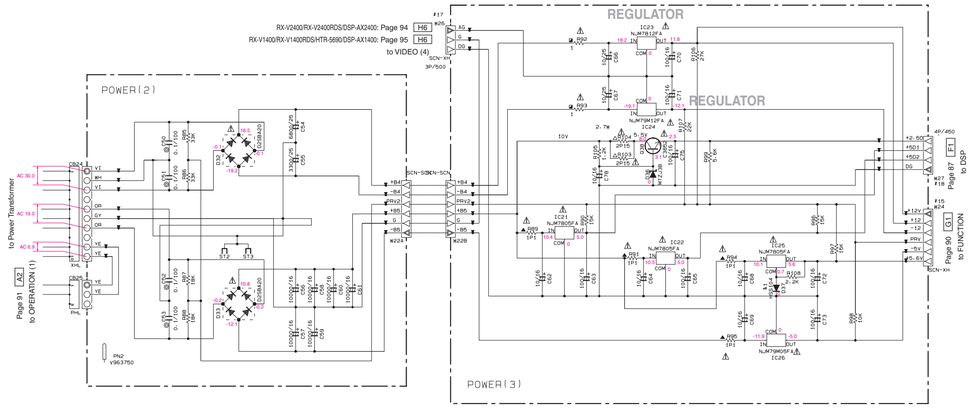
2400




1400




| | J | U·C | R | L | T·K | A | B | G | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| s1 TE2 | R-30190 #BB5350 | R-30190 #B78260 | x | x | x | x | x | R-30190 #B78260 | 2400 |
| | R-30190 #B78260 | R-30190 #B78260 | x | x | x | x | x | R-30190 #B78260 | 1400 |
| s2 F1 | 10A/125V V582340 | 10A/125V V582340 | 10A/125V V582340 | T6.0AL250V #B03324 | T6.0AL250V #B03324 | T6.0AL250V #B03324 | T6.0AL250V #B03324 | | |
| s3 F2 | x | 10A/125V V582340 | x | x | x | x | x | T2.5AH250V V194290 | |
| s4 #3 | x | x | BE/4W V941190 | BE/4W V941190 | x | x | x | x | |
| s5 CB6-7 | x | VP20650 | x | x | x | x | x | VP20650 | |
| s6 J5 | o | x | o | o | o | o | o | x | |
| s7 TE1 | S2-764T-214 V545310 | S2-764T-214 V545310 | AC-182-GB-11V V588740 | S2-762T-214 V545340 | AC-182-GB-11V V588740 | S2-773T-210 V751550 | S2-772T-210 V588730 | S2-762T-214 V545340 | |
| s8 CB2 | x | x | VH15 V587990 | VH15 V587990 | VH15 V587990 | VH15 V587990 | VH15 V587990 | x | |
| s9 CB5 | x | x | B3P65-VH V587790 | B3P65-VH V587790 | x | x | x | x | |
| s10 CB4 | x | x | B4P77-VH V937790 | B4P77-VH V937790 | x | x | x | x | |
| s11 SW1 | x | x | RB14024B #B94370 | RB14024B #B94370 | x | x | x | x | |
| s12 CB10-11 | x | x | VP20650 | VP20650 | x | x | x | x | |
| s13 F3 | x | x | T6.0AL250V #B03324 | T6.0AL250V #B03324 | x | x | x | x | |
| s14 D5 | x | x | 1T2 V589790 | 1T2 V589790 | x | x | x | x | |
| s15 D4 | x | x | 1SS133 TC V543810 | 1SS133 TC V543810 | x | x | x | x | |
| s16 Q4-5 | x | x | 2SA611T1 IE152R2 | 2SA611T1 IE152R2 | x | x | x | x | |
| s17 J1-2 | o | o | x | x | o | o | o | o | |
| s18 HS1 | x | x | VR50680 | VR50680 | x | x | x | x | |
| s19 G1-3 | x | x | C3852 VC53850 | C3852 VC53850 | x | x | x | x | |
| s20 R8 | x | 1/2W 2.2M VE73020 | x | x | x | x | x | x | |
| s21 R2-3 | x | x | 100 HF45510 | 100 HF45510 | x | x | x | x | |
| s22 R4 | x | x | 10K HF45710 | 10K HF45710 | x | x | x | x | |
| s23 D2 | x | x | HSS104 VD63160 | HSS104 VD63160 | x | x | x | x | |
| s24 C2-5 | x | x | 10/50 UR26710 | 10/50 UR26710 | x | x | x | x | |
| s25 J5-7-8 | x | x | o | o | x | x | x | x | |
| s26 D3 | x | x | MTZJ10B V545950 | MTZJ10B V545950 | x | x | x | x | |
| s27 C4 | x | x | 10/100 UR29710 | 10/100 UR29710 | x | x | x | x | |
| s28 C6 | 0.01/100 VL88450 | 0.01/100 VL88450 | x | x | 0.01/100 VL88450 | 0.01/100 VL88450 | 0.01/100 VL88450 | 0.01/100 VL88450 | |
| s29 C7-8 | x | x | 0.01 UA65410 | 0.01 UA65410 | x | x | x | x | |
| s30 T1 | X2935 | X2936 | X2937 | X2937 | X4452 | X2938 | X2939 | X2939 | |
| s31 D34 | MTZJ16A V544100 | MTZJ30A V544070 | MTZJ30A V544070 | MTZJ30A V544070 | MTZJ30A V544070 | MTZJ30A V544070 | MTZJ30A V544070 | MTZJ30A V544070 | |
| s32 D35 | MTZJ9.1C V545930 | MTZJ15A V544070 | MTZJ15A V544070 | MTZJ15A V544070 | MTZJ15A V544070 | MTZJ15A V544070 | MTZJ15A V544070 | MTZJ15A V544070 | |
| s33 | | | | | | | | | |
| s34 D51-52-53 D57 R184-186 | x | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| s35 C103-104 C107-108 D44-46-48 JK1-5-7-PJ1 D51-53-57 R165-167-169 S14-5 C105-106 D43-45-47 JK1-5-7-PJ1 D57 R166-168 R170-176 | x | 0 | x | x | x | 0 | x | x | 2400 |
| C103-104 C107-108 D44-46-48 JK2-4-PNB-CB31 D51-53-57 R165-167-169 S14-5 | x | 0 | x | x | x | 0 | x | x | 1400 |
| s36 R5 | 1W HF45715 | 1W HF45715 | 1W HF45718 | 1W HF45718 | 1W HF45715 | 1W HF45715 | 1W HF45715 | 1W HF45715 | |

x: NOT USED
O: USED / APPLICABLE

RESISTOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | CARBON FILM RESISTOR (P=5) |
| ▽ | CARBON FILM RESISTOR (P=10) |
| △ | METAL OXIDE FILM RESISTOR |
| ▲ | METAL FILM RESISTOR |
| ⊠ | METAL PLATE RESISTOR |
| ◪ | FIRE PROOF CARBON FILM RESISTOR |
| □ | CEMENT MOLDED RESISTOR |
| ⊘ | SEMI VARIABLE RESISTOR |
| ■ | CHIP RESISTOR |

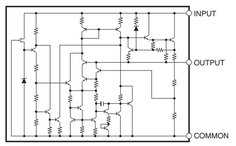
CAPACITOR

| REMARKS | PARTS NAME |
|---|---|
| ⊗ | ELECTROLYTIC CAPACITOR |
| | TANTALUM CAPACITOR |
| NO MARK | CERAMIC CAPACITOR |
| ◉ | CERAMIC TUBULAR CAPACITOR |
| ◎ | POLYESTER FILM CAPACITOR |
| ○ | POLYSTYRENE FILM CAPACITOR |
| ⓘ | MICA CAPACITOR |
| ⓟ | POLYPROPYLENE FILM CAPACITOR |
| ◉ | SEMICONDUCTIVE CERAMIC CAPACITOR |

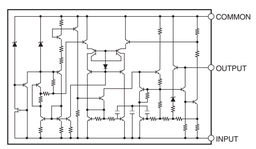
Interchangeable Parts at Manufacture-Stage

| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| k1 | D2-6-11-22-23-24-26-28 D37-39-44-49-52-53 | HSS104 1SS133 1SS176 |
| k2 | Q2-6 | 2SC1740S(R/S) 2SC2603(E/F) 2SC3311A(G/R/S) |
| k3 | | |
| k4 | | |
| k5 | | |

IC21, 22, 25: NJM7805FA
IC23: NJM7812FA
Voltage Regulator




IC24: NJM79M12FA
IC26: NJM79M05FA
Voltage Regulator



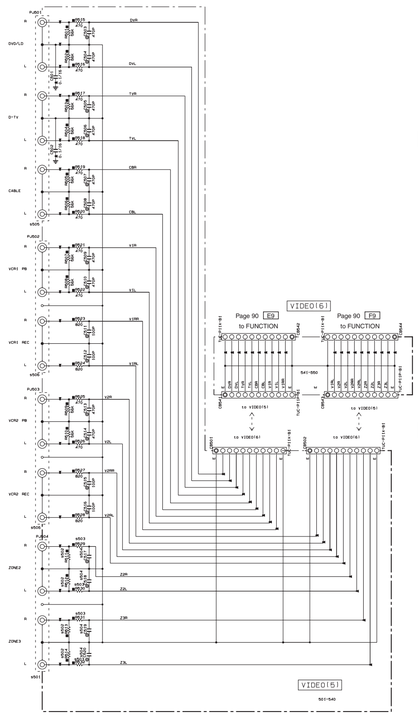

★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
★ Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

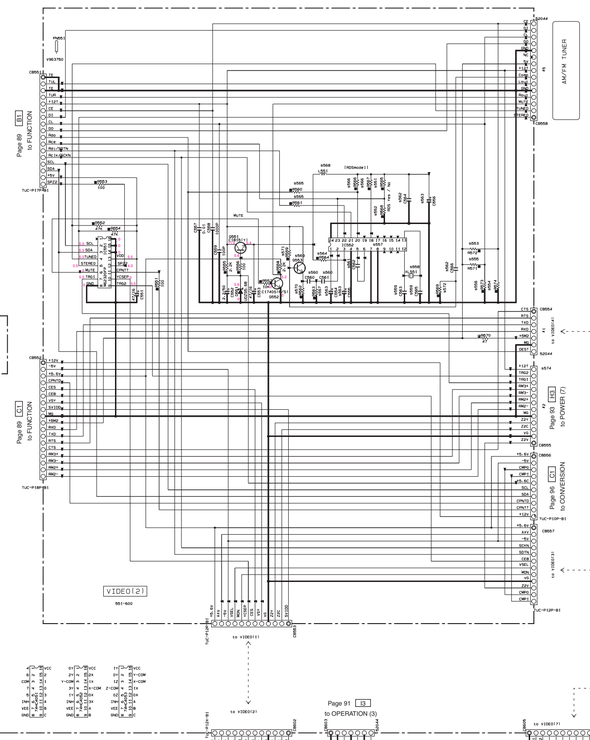
● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● ⚠印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

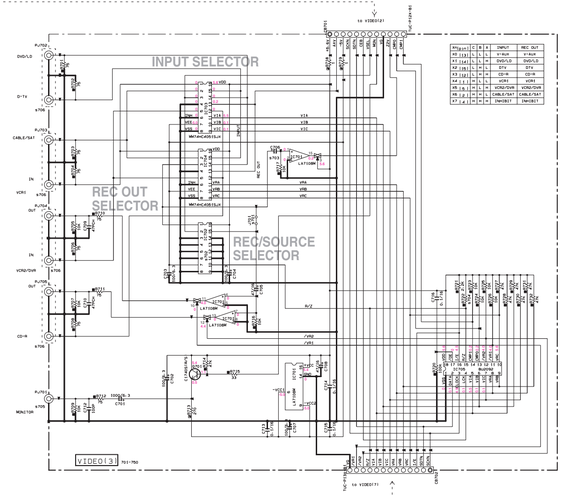
# ■SCHEMATIC DIAGRAM (VIDEO) RX-V2400/RX-V2400RDS/DSP-AX-2400

★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
★ Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● ⚠印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。




| | C | B | A | INPUT | REC OUT |
|---|---|---|---|---|---|
| TP(pin) | H | H | H | V-AUX | V-AUX |
| TP(pin) | H | H | L | DVD/LD | DVD/LD |
| TP(pin) | H | L | H | DTV | DTV |
| TP(pin) | H | L | L | CD-R | CD-R |
| TP(pin) | L | H | H | VCR1 | VCR1 |
| TP(pin) | L | H | L | VCR2/DVR | VCR2/DVR |
| TP(pin) | L | L | H | CABLE/SAT | CABLE/SAT |
| TP(pin) | L | L | L | DVR1017 | DVR1017 |




NOTICE (mode)
(J)·····JAPAN
(U)·····U.S.A
(C)·····CANADA
(G)·····GENERAL
(T)·····CHINA
(K)·····KOREA
(A)·····AUSTRALIA
(B)·····BRITISH
(E)·····EUROPE
(L)·····SINGAPORE

RESISTOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | CARBON FILM RESISTOR (1%) |
| ⚠ | CARBON FILM RESISTOR (1%) |
| ⚠ | METAL OXIDE FILM RESISTOR |
| ⚠ | METAL FILM RESISTOR |
| ⚠ | METAL PLATE RESISTOR |
| ⚠ | FINE PROOF CARBON FILM RESISTOR |
| ⚠ | CEMENT MOLDED RESISTOR |
| ⚠ | SEMI VARIABLE RESISTOR |
| ■ | CHIP RESISTOR |

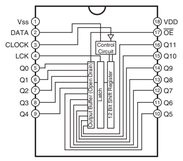
CAPACITOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | ELECTROLYTIC CAPACITOR |
| ⚠ | TANTALUM CAPACITOR |
| NO MARK | CERAMIC CAPACITOR |
| ⚠ | TUBULAR CAPACITOR |
| ⚠ | POLYESTER FILM CAPACITOR |
| ⚠ | POLYSTYRENE FILM CAPACITOR |
| ⚠ | MICA CAPACITOR |
| ⚠ | POLYPROPYLENE FILM CAPACITOR |
| ⚠ | SEMICONDUCTIVE CERAMIC CAPACITOR |
| ⚠ | POLYPHENYLENE SULFIDE FILM CAPACITOR |

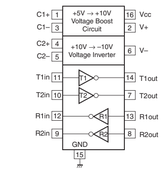
Interchangeable Parts as Manufacture-Stage

| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| X1 | 33909 | TC74HCU04AFEL<br>MK74HCU04FLH |
| X2 | 33901-512 | TK15A00MTL<br>K0605MAR |

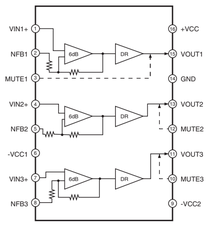
IC705: BU2092
Serial In/Parallel Out Driver



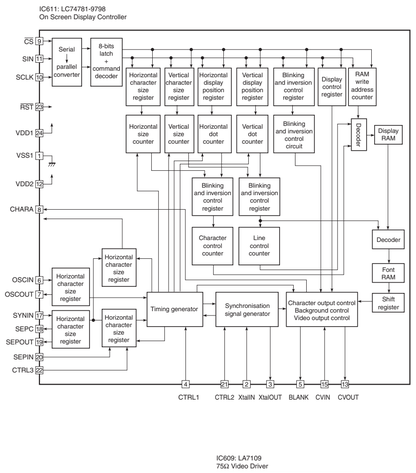

IC801: ADM202JRN-REEL7
RS-232 Driver/Receiver




IC701: LA7108M
Video Amp

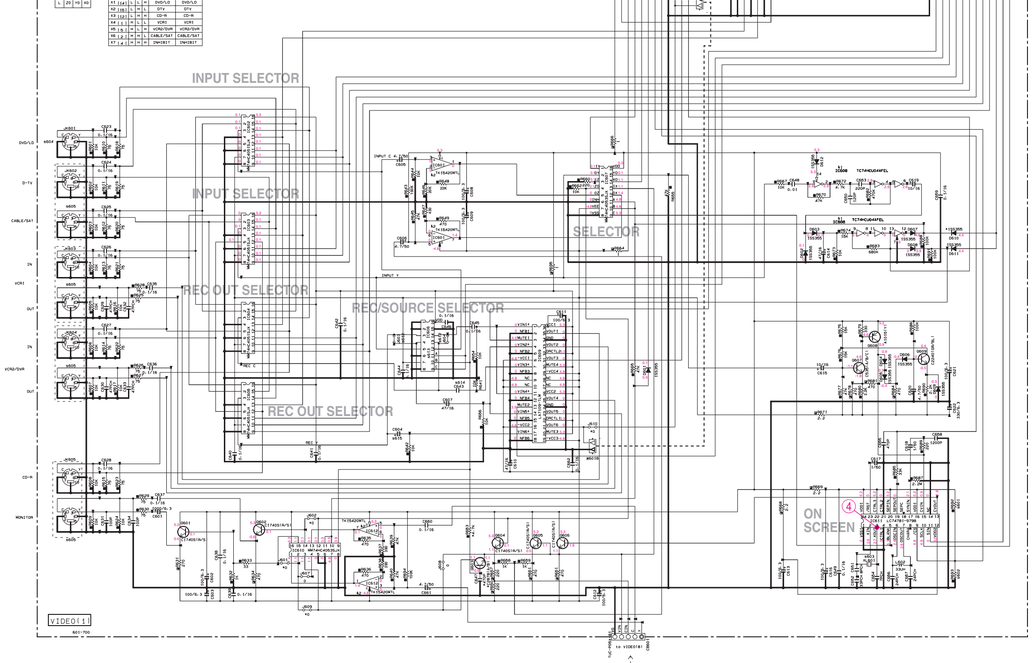


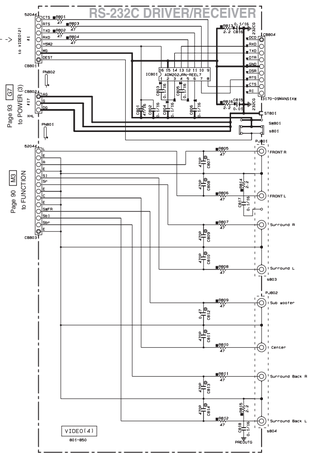

IC611: LC74781-9798
On Screen Display Controller

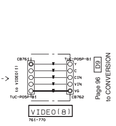



| X | Circuit NO. | V1400 V2400 | X 66702 66712 | X-C 66703 66713 | X 66704 66714 | X 66705 66715 | X 66706 66716 | X 66707 66717 | R-D 66708 66718 | X 66709 66719 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ⚠ | VR01 | PJ-054 | x | x | x | x | x | MSP-244V(-01N2 1754670 | x | x | |
| ⚠ | VR02 | RK11-514 | x | 50K RD6766 | x | x | x | 50K RD6766 | x | x | |
| ⚠ | VR03 | RK29-532 | x | 47Ω RD6547 | x | x | x | 47Ω RD6547 | x | x | |
| ⚠ | VR04 | CX17-520 | x | 470P LV45547 | x | x | x | 470P LV45547 | x | x | |
| ⚠ | VR05 | PJ-051 | PJ-3174-09-0853 (53460 | MSP-2451-01N2 1754660 | MSP-2451-01N2 1754660 | MSP-2451-01N2 1754660 | MSP-2451-01N2 1754660 | MSP-2451-01N2 1754660 | MSP-2451-01N2 1754660 | MSP-2451-01N2 1754660 | |
| ⚠ | VR06 | PJ-052-503 | MSP-244V(-01N2 1754670 | MSP-244V(-01N2 1754670 | MSP-244V(-01 N2 1754670 | MSP-244V(-01 N2 1754670 | MSP-244V(-01 N2 1754670 | MSP-244V(-01 N2 1754670 | MSP-244V(-01 N2 1754670 | MSP-244V(-01 N2 1754670 | |
| | VR51 | 9565 | x | x | x | x | x | x | ZOK RD3722 | x | |
| ⚠ | VR52 | 9568 | ATK RD6747 | ATK RD6747 | ATK RD6747 | ATK RD6747 | ATK RD6747 | x | ATK RD6747 | ATK RD6747 | |
| ⚠ | VR53 | 9572 | x | x | ATK RD6747 | ATK RD6747 | ATK RD6747 | ATK RD6747 | ATK RD6747 | ATK RD6747 | |
| ⚠ | VR54 | 9574 | ATK RD6747 | ATK RD6747 | x | x | x | x | x | x | |
| ⚠ | VR55 | 9571 | x | RD6747 | ATK RD6747 | x | x | x | x | ATK RD6747 | |
| ⚠ | VR56 | 9573 | ATK RD6747 | x | x | ATK RD6747 | ATK RD6747 | ATK RD6747 | x | x | |
| ⚠ | VR57 | 10562 | x | x | x | x | x | x | LC74732 VH53450 | x | |
| ⚠ | VR58 | VL561 | x | x | x | x | x | x | K 332MK2 V790600 | x | |
| ⚠ | VR59 | CB63-565 | x | x | x | x | x | x | 2M5× UD05127 | x | |
| ⚠ | VR60 | CB60-561 | x | x | x | x | x | x | 330P UD05233 | x | |
| ⚠ | VR61 | CB62 | x | x | x | x | x | x | 560P UD05256 | x | |
| ⚠ | VR62 | CB64-566 | x | x | x | x | x | x | 0.1/16 UD13510 | x | |
| ⚠ | VR63 | CB61-564 | x | x | x | x | x | x | 47/16 UA02347 | x | |
| ⚠ | VR64 | RK64 | x | x | x | x | x | x | 100 UD13510 | x | |
| ⚠ | VR65 | RK60-561 | x | x | x | x | x | x | RD6547 | x | |
| ⚠ | VR66 | RK66-567 | x | x | x | x | x | x | 10K RD5710 | x | |
| ⚠ | VR67 | RK63 | x | x | x | x | x | x | 22K RD5722 | x | |
| ⚠ | VR68 | LB61 | x | x | x | x | x | x | 220uH VH24762 | x | |
| ⚠ | VR69 | SR53 | x | x | x | x | x | x | C74781N(1) IC17402 | x | |
| ⚠ | VR70 | RK62 | x | x | x | x | x | x | 2.2K RD5622 | x | |
| ⚠ | VR71 | RK65 | x | x | x | x | x | x | 100K RD5810 | x | |
| ⚠ | VR72 | RK68 | x | x | x | x | x | x | 33K RD5733 | x | |
| | | | | | | | | | | | |
| ⚠ | VR74 | CB58 | x | 5204# VH56650 | x | x | x | 5204# VH56650 | x | x | Zone2 |
| | | | | | | | | | | | |
| ⚠ | VR01 | RK92 | x | x | x | ATK RD6747 | x | ATK RD6747 | ATK RD6747 | ATK RD6747 | |
| ⚠ | VR02 | RK93 | ATK RD6747 | ATK RD6747 | ATK RD6747 | x | ATK RD6747 | x | x | x | |
| ⚠ | VR03 | VL401 | 14.318MHz VH01840 | 14.318MHz VH01840 | 14.318MHz VH01840 | 17.7344MHz VH01850 | 14.318MHz VH01840 | 17.7344MHz VH01850 | 17.7344MHz VH01850 | 17.7344MHz VH01850 | |
| ⚠ | VR04 | JA501 | VH751-5626 (VH56620 | VH751-5501 VH56730 | VH751-5501 VH56730 | VH751-5501 VH56730 | VH751-5501 VH56730 | VH751-5501 VH56730 | VH751-5501 VH56730 | VH751-5501 VH56730 | |
| ⚠ | VR05 | JA502-505 | VH751-5604 VH54880 | VH751-5605 VH57350 | VH751-5605 VH57350 | VH751-5605 VH57350 | VH751-5605 VH57350 | VH751-5605 VH57350 | VH751-5605 VH57350 | VH751-5605 VH57350 | |
| | VR06 | | | | | | | | | | |
| | VR07 | | | | | | | | | | |
| | VR08 | | | | | | | | | | |
| | VR09 | | | | | | | | | | |
| | VR10 | | | | | | | | | | |
| | VR11 | | | | | | | | | | |
| ⚠ | VR12 | JA03-504 | x RD6000 | x | x RD6000 | x RD6000 | x RD6000 | x | x RD6000 | x RD6000 | |
| ⚠ | VR13 | IC606 | x | MM74HC4053SJ# VH67740 | x | x | x | MM74HC4053SJ# VH67740 | x | x | |
| ⚠ | VR14 | CX43 | x | 0.1/16 US13510 | x | x | x | 0.1/16 US13510 | x | x | |
| ⚠ | VR15 | CB04 | x | 47/16 UA02347 | x | x | x | 47/16 UA02347 | x | x | |
| | VR51 | JY01 | 0 RD6000 | x | 0 RD6000 | 0 RD6000 | 0 RD6000 | x | 0 RD6000 | 0 RD6000 | |
| ⚠ | VR52 | IC702 | x | MM74HC4053SJ# VH67740 | x | x | x | MM74HC4053SJ# VH67740 | x | x | |
| ⚠ | VR54 | CT06 | x | 47/16 UA02347 | x | x | x | 47/16 UA02347 | x | x | |
| ⚠ | VR55 | RY02 | x | ATK RD6747 | x | x | x | ATK RD6747 | x | x | |
| ⚠ | VR56 | PJ701 | YH221-3145 VH13420 | YH221-3033 VH13460 | YH221-3033 VH13460 | YH221-3033 VH13460 | YH221-3033 VH13460 | YH221-3033 VH13460 | YH221-3033 VH13460 | YH221-3033 VH13460 | Slot Pu |
| ⚠ | VR58 | PJ702-705 | PJ-3174-09-0853 VH56650 | PJ-3178-04-0353 VH52500 | PJ-3178-04-0353 VH52500 | PJ-3178-04-0353 VH52500 | PJ-3178-04-0353 VH52500 | PJ-3173-39-0353 VH57500 | PJ-3178-04-0353 VH52500 | PJ-3178-04-0353 VH52500 | |
| | VR01 | SW01 | x | x | S5029-P0228L-# VH61170 | x | x | x | x | S5029-P0228L-# VH61170 | Tuner Freq |
| ⚠ | VR03 | PJ601 | MSP-244V(-01N2 1754670 | MSP-244V(-01N2 1754670 | MSP-244V(-01N2 1754670 | MSP-244V(-01N2 1754670 | MSP-244V(-01N2 1754670 | MSP-244V(-01N2 1754670 | MSP-244V(-01N2 1754670 | MSP-244V(-01N2 1754670 | Slot Pu |
| ⚠ | VR04 | PJ602 | PJ-3173-39-0351 VH67610 | PJ-3173-39-0351 VH67610 | PJ-3173-39-0351 VH67610 | PJ-3173-39-0351 VH67610 | PJ-3173-39-0351 VH67610 | PJ-3173-39-0351 VH67610 | PJ-3173-39-0351 VH67610 | PJ-3173-39-0351 VH67610 | |

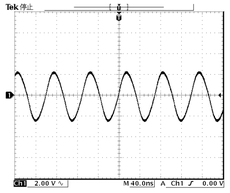
X: NOT USED
O: USED / APPLICABLE



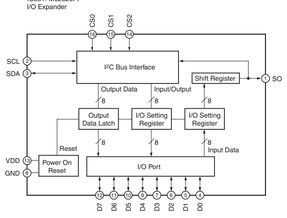



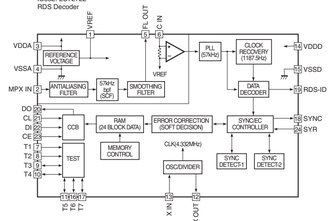

**Point ④** Pin 3 of IC511



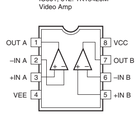

IC551: M62320FP
I/O Expander



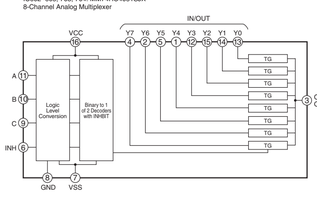

IC552: LC72722
RDS Decoder



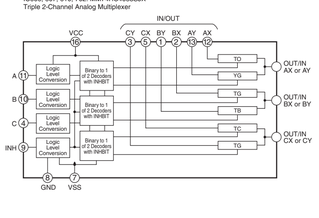

IC601, 612: TK15420M
Video Amp



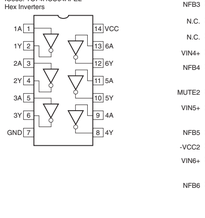

IC602–605, 703, 704: MM74HC4051SJX
8-Channel Analog Multiplexer



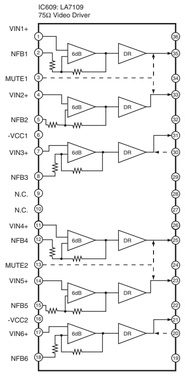

IC606, 607, 610, 702: MM74HC4053SJX
Triple 2-Channel Analog Multiplexer




IC608: TC74HCU04AFEL
Hex Inverters




IC609: LA7109
75Ω Video Driver



# ■SCHEMATIC DIAGRAM (VIDEO) RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400



★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
★ Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

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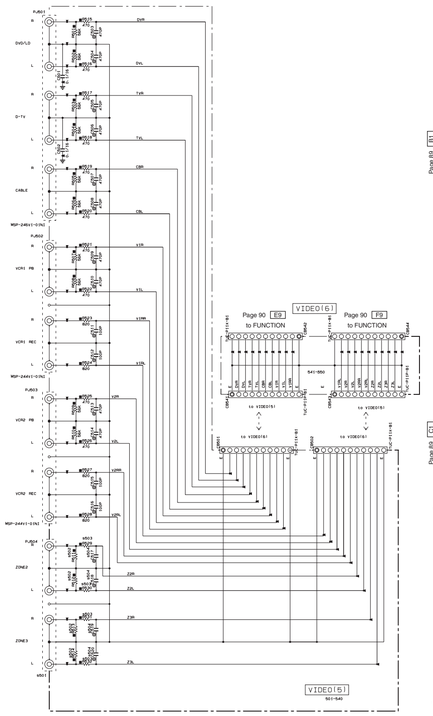
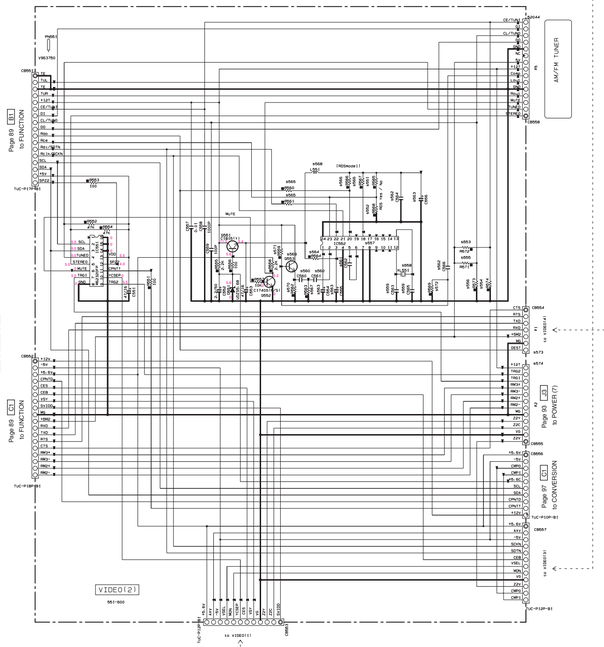
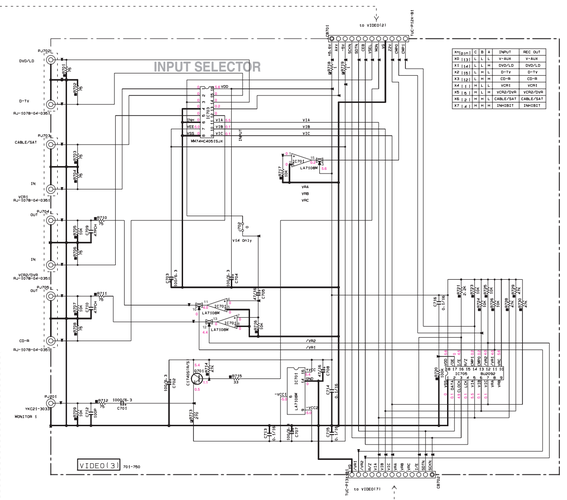
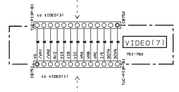
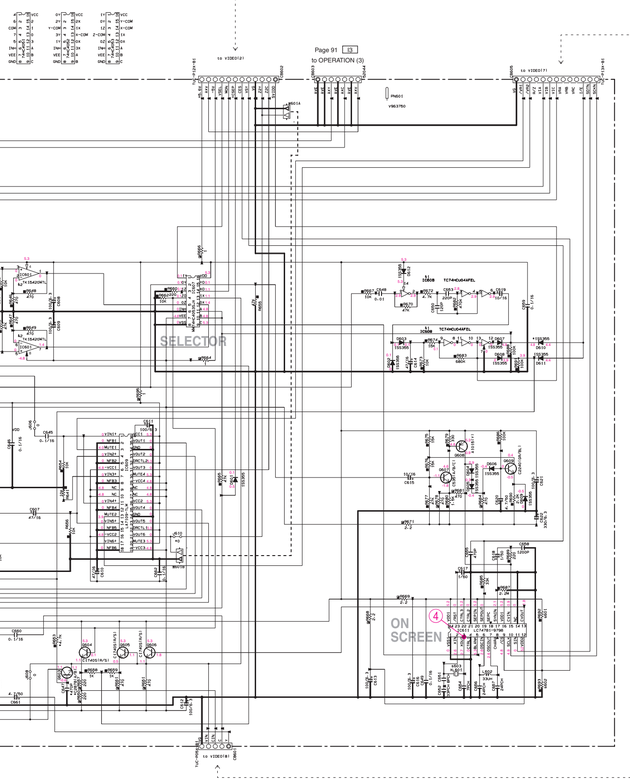
● ⚠印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
●本回路図は標準回路図です。改良のため予告なく変更することがございます。

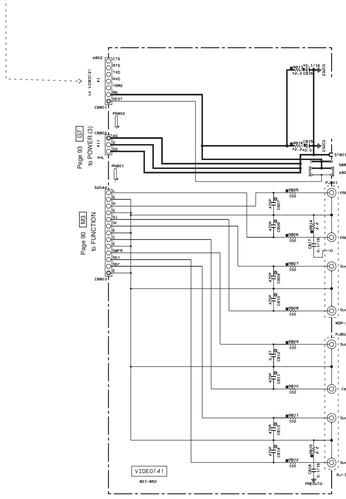


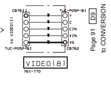



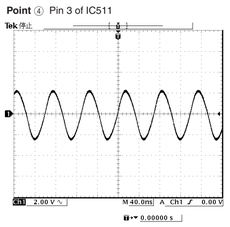



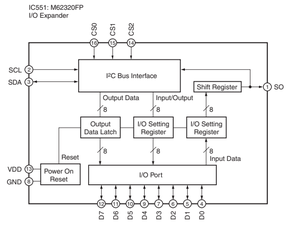



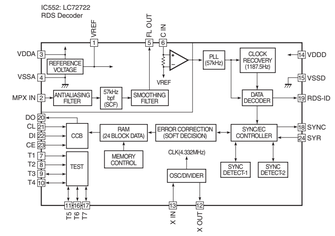



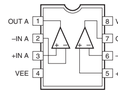

IC551: M62320FP
I/O Expander



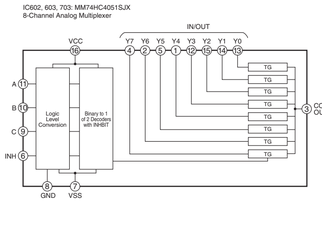

IC552: LC72722
RDS Decoder



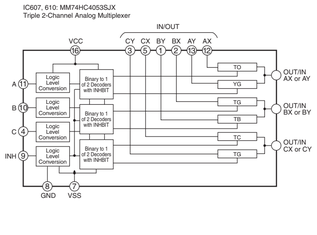

IC601, 612: TK15420M
Video Amp



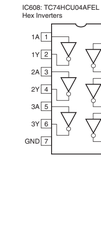

IC602, 603, 703: MM74HC4051SJX
8-Channel Analog Multiplexer




IC607, 610: MM74HC4053SJX
Triple 2-Channel Analog Multiplexer




IC608: TC74HCU04AFEL
Hex Inverters



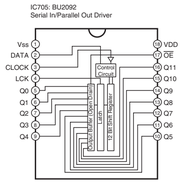

| RESISTOR | |
|---|---|
| REMARKS | PARTS NAME |
| NO MARK | CARBON FILM RESISTOR (1/4)(1/2) |
| ▽ | CARBON FILM RESISTOR (1/4)(1/2) |
| △ | METAL OXIDE FILM RESISTOR |
| ▲ | METAL FILM RESISTOR |
| ▨ | METAL PLATE RESISTOR |
| ▩ | FIRE PROOF CARBON FILM RESISTOR |
| ○ | CEMENT MOLDED RESISTOR |
| ◎ | SEMI VARIABLE RESISTOR |
| ■ | CHIP RESISTOR |

| CAPACITOR | |
|---|---|
| REMARKS | PARTS NAME |
| NO MARK | ELECTROLYTIC CAPACITOR |
| ◎ | TANTALUM CAPACITOR |
| NO MARK | CERAMIC CAPACITOR |
| ◉ | CERAMIC TUBULAR CAPACITOR |
| Ⓜ | POLYESTER FILM CAPACITOR |
| Ⓒ | POLYSTYRENE FILM CAPACITOR |
| Ⓟ | MICA CAPACITOR |
| Ⓟ | POLYPROPYLENE FILM CAPACITOR |
| ◉ | NON-CONDUCTIVE CERAMIC CAPACITOR |
| ◎ | POLYPHENYLENE SULFIDE FILM CAPACITOR |

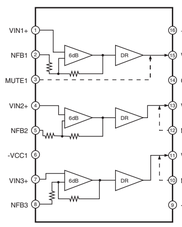
NOTICE (Model)
(J ····· JAPAN
(U ····· U.S.A
(C ····· CANADA
(M ····· GENERAL
(T ····· CHINA
(K ····· KOREA
(A ····· AUSTRALIA
(B ····· BRITISH
(G ····· EUROPE
(L ····· SINGAPORE

| Interchangeable Parts as Manufacture-Stage | | |
|---|---|---|
| Mark | Reference Parts Number | Parts Name |
| ▲1 | IC608 | TC74HCU04AFEL<br>M74HCU04FJL |
| ▲2 | IC601-612 | TK15420ML<br>AN6064H |

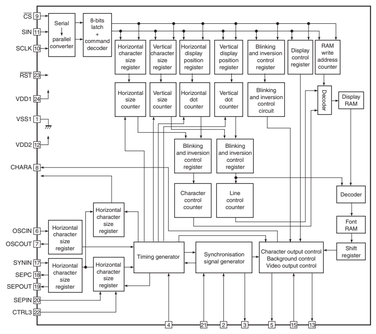
IC705: BU2092
Serial In/Parallel Out Driver



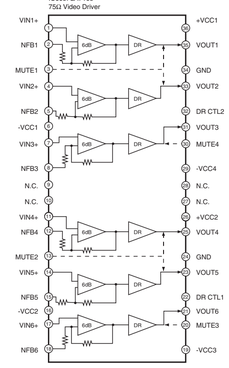

IC701: LA7108M
Video Amp




IC611: LC74781-9796
On Screen Display Controller




IC609: LA7109
7563 Video Driver



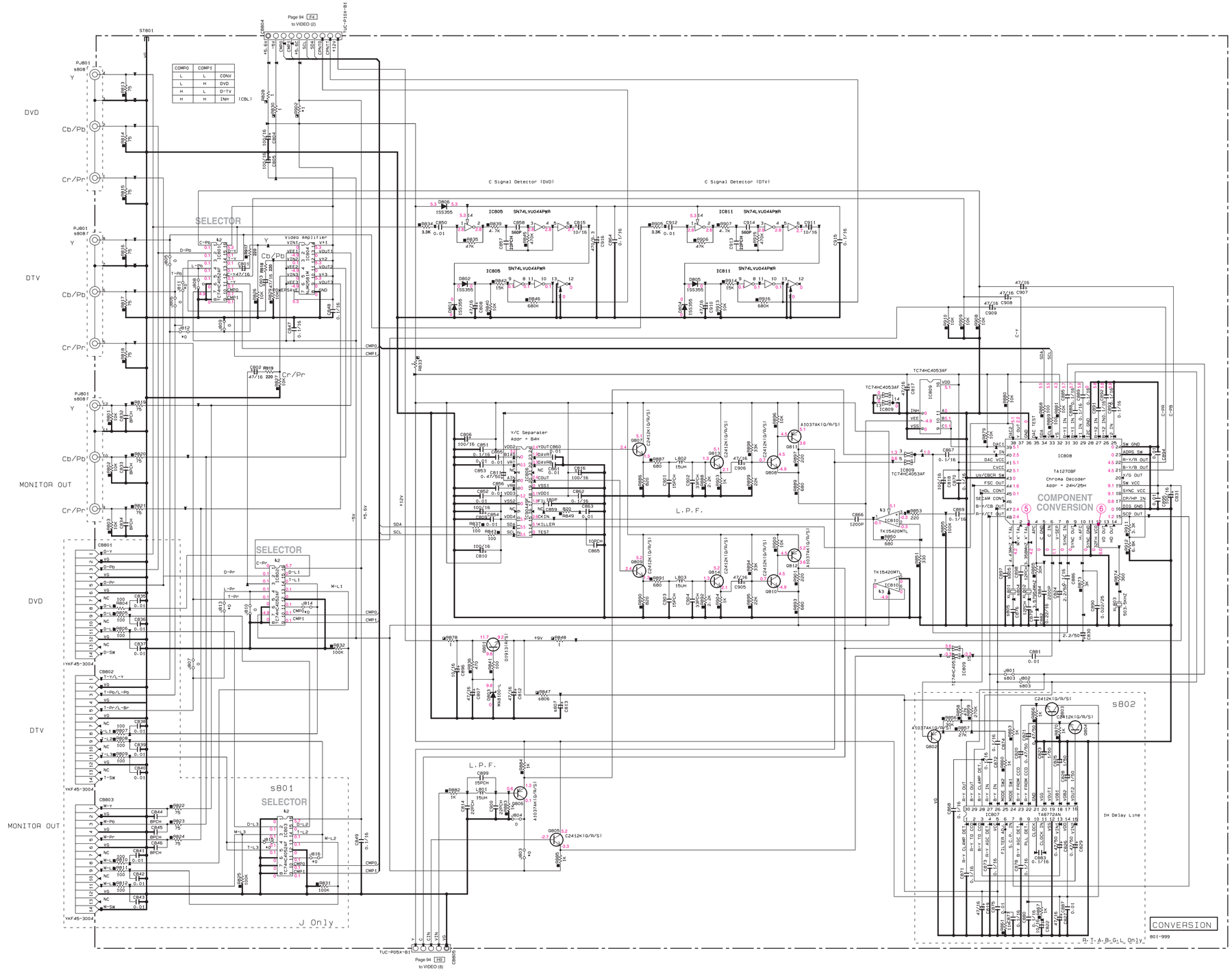

| ★ | Circuit NO. | V1400 V2400 | ✓ ★8270820 ★8272730 | W-E ★8270830 ★8272740 | N ★8270840 ★8272750 | * ★8272860 ★8272760 | ^ ★8272870 ★8272780 | R-S ★8272880 ★8272800 | L ★8272890 ★8272810 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | x501 | PJ504 | | x | MDP-244V11-01N2 +7546670 | x | x | x | 22R RD2CT22 | x | x | Zone2/3 |
| | x502 | | | x | 50K RD3R756 | | | x | 56K RD3R756 | x | x | |
| | x503 | | | x | 47K RD3S547 | | | x | 47Ω RD3S547 | x | x | |
| | x504 | | | x | 470P UA052A7 | | | x | 470P UA052A7 | x | x | |
| | x505 | | | | | | | | | | | |
| | x506 | | | | | | | | | | | |
| | x551 | R565 | | x | x | x | x | x | 22K RD3T22 | x | x | Main |
| | x552 | R568 | | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | x | 47K RD3S547 | x | |
| | x553 | R572 | | x | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | x | |
| | x554 | R574 | | 47K RD3S547 | 47K RD3S547 | x | x | x | x | x | x | |
| | x555 | R573 | | x | 47K RD3S547 | x | x | x | x | x | 47K RD3S547 | |
| | x556 | R573 | | 47K RD3S547 | x | x | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | 47K RD3S547 | x | |
| | x557 | IC552 | | x | x | x | x | x | x | LC72722 +YD543 | x | |
| | x558 | XL551 | | x | x | x | x | x | x | 4.332MHZ +TH600 | x | |
| | x559 | C563-565 | | x | x | x | x | x | x | 270Ch +D5K137 | x | |
| | x560 | C560-561 | | x | x | x | x | x | x | 330P +D5S233 | x | |
| | x561 | C562 | | x | x | x | x | x | x | 560P +D5P56 | x | |
| | x562 | C564-566 | | x | x | x | x | x | x | 0.1/16 +D5K104 | x | |
| | x563 | C564-566 | | x | x | x | x | x | x | 47/16 +D5J473 | x | |
| | x564 | R564 | | x | x | x | x | x | x | 33Ω RD3S510 | x | |
| | x565 | R560-561 | | x | x | x | x | x | x | 47Ω RD3S547 | x | |
| | x566 | R566-567 | | x | x | x | x | x | x | 10K RD3S710 | x | |
| | x567 | R563 | | x | x | x | x | x | x | 22K RD3T22 | x | |
| | x568 | L551 | | x | x | x | x | x | x | 220UH +YA795 | x | |
| | x569 | G563 | | x | x | x | x | x | x | C1741X/S1 D1741X | x | |
| | x570 | R562 | | x | x | x | x | x | x | 2.2K RD3S522 | x | |
| | x571 | R559 | | x | x | x | x | x | x | 150K RD3S610 | x | |
| | x572 | R569 | | x | x | x | x | x | x | 33K RD3T33 | x | |
| | x573 | C9564 | | x | 5Z044 +D5X430 | x | x | x | x | 5Z044 +D5X430 | x | Tuner/FM/SW |
| | x574 | C9566 | | x | 5Z044 +N5B680 | x | x | x | 5Z044 +N5B680 | x | x | Zone2 |
| | x601 | R692 | x | x | x | 47K RD3S747 | x | 47K RD3S747 | 47K RD3S747 | 47K RD3S747 | x | X = L Ch, Y = R Ch |
| | x602 | R693 | 47K RD3S747 | 47K RD3S747 | RD3S747 | x | x | x | x | x | x | |
| | x603 | XL601 | 14.318MHz +D5C1840 | 14.318MHz +D5C1840 | 14.318MHz +D5C1840 | 14.318MHz +D5C1840 | 14.318MHz +D5C1840 | 17.7234MHz +D5C1850 | 17.7234MHz +D5C1850 | 17.7234MHz +D5C1850 | x | |
| | x604 | | | | | | | | | | | |
| | x605 | | | | | | | | | | | |
| | x606 | | | | | | | | | | | |
| | x607 | | | | | | | | | | | |
| | x608 | | | | | | | | | | | |
| | x609 | | | | | | | | | | | |
| | x610 | | | | | | | | | | | |
| | x611 | | | | | | | | | | | |
| | x612 | | | | | | | | | | | |
| | x613 | | | | | | | | | | | |
| | x614 | | | | | | | | | | | |
| | x615 | | | | | | | | | | | |
| | x701 | | | | | | | | | | | |
| | x702 | | | | | | | | | | | |
| | x703 | | | | | | | | | | | |
| | x704 | | | | | | | | | | | |
| | x705 | | | | | | | | | | | |
| | x706 | | | | | | | | | | | |
| | x801 | S801 | x | x | 5S039-R020B,H-F +D5T170 | x | x | x | x | 5S039-R020B,H-F +D5T170 | x | Tuner/Prestop |
| | x802 | C9801 | x | x | 5Z044 +D5X430 | x | x | x | x | 5Z044 +D5X430 | x | |
| | x803 | | | | | | | | | | | |
| | x804 | | | | | | | | | | | |

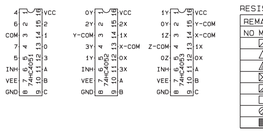
**x: NOT USED**
**O: USED / APPLICABLE**

# ■SCHEMATIC DIAGRAM (CONVERSION) RX-V2400/RX-V2400RDS/DSP-AX-2400

★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
★ Components having special characteristics are marked ! and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● ! 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。




NOTICE (model)
(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(R)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE

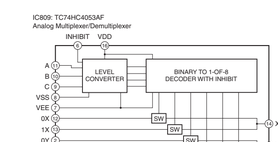
Interchangeable Parts at Manufacture-Stage

| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| &1 | | |
| &2 | IC801-803 | TC74HC4052AF<br>MM74HC4052JX |
| &3 | IC810 | TK15420MTL<br>AD8056AR |

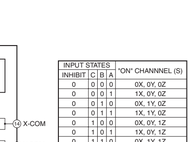
| s | Circuit NO | J<br>WB72900 | U·C·K<br>WB72910 | R·T·A·B·G·L<br>WB72920 | |
|---|---|---|---|---|---|
| sB01 | | O | X | X | D4 |
| sB02 | | X | X | O | PAL Decode |
| sB03 | JB01-B02 | O<br>RD35000 | O<br>RD35000 | X | |
| sB04 | XL801 | X | X | 4.43361MHz<br>WB75000 | |
| sB05 | CB76-B97 | X | X | 12PCH<br>US06112 | |
| sB06 | RB47 | X | X | !<br>HV75310 | |
| sB07 | CB13 | X | X | 47/16<br>UR23747 | |
| sB08 | PJB01 | YKC21-4349<br>VB14680 | YKC21-4348<br>VB14390 | YKC21-4348<br>VB14390 | Gold PJ |

x: NOT USED
O: USED / APPLICABLE

IC809: TC74HC4053AF
Analog Multiplexer/Demultiplexer

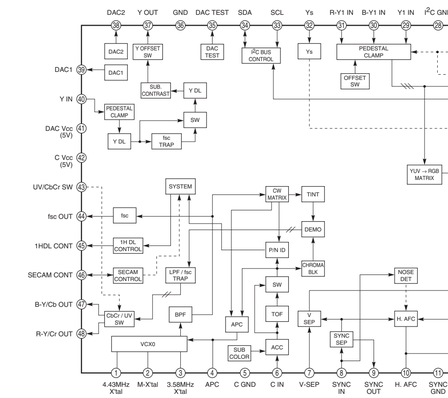


IC810: TK15420M
Video Amp

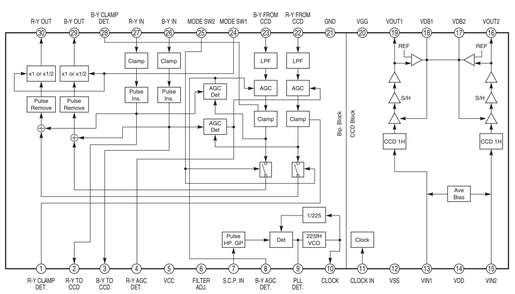


| INPUT STATES | | | | "ON" CHANNNEL (S) |
|---|---|---|---|---|
| INHIBIT | C | B | A | |
| 0 | 0 | 0 | 0 | 0X, 0Y, 0Z |
| 0 | 0 | 0 | 1 | 1X, 0Y, 0Z |
| 0 | 0 | 1 | 0 | 0X, 1Y, 0Z |
| 0 | 0 | 1 | 1 | 1X, 1Y, 0Z |
| 0 | 1 | 0 | 0 | 0X, 0Y, 1Z |
| 0 | 1 | 0 | 1 | 1X, 0Y, 1Z |
| 0 | 1 | 1 | 0 | 0X, 1Y, 1Z |
| 0 | 1 | 1 | 1 | 1X, 1Y, 1Z |
| 1 | X | X | X | NONE |

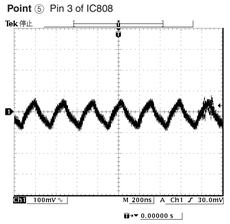
IC808: TA1270BF
Sync Processing System



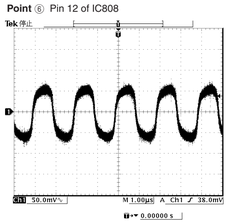
IC807: TA8772AN
Delay System for Color TV or VCR



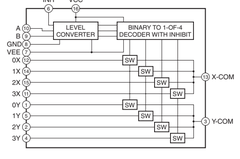
**Point** ⑤ Pin 3 of IC808




**Point** ⑥ Pin 12 of IC808

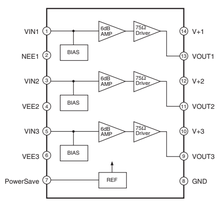



IC801-803: TC74HC4052AF
Analog Multiplexer/Demultiplexer

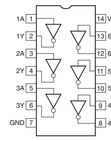


| INHIBIT | B | A | |
|---|---|---|---|
| 0 | 0 | 0 | 0x, 0y |
| 0 | 0 | 1 | 1x, 1y |
| 0 | 1 | 0 | 2x, 2y |
| 0 | 1 | 1 | 3x, 3y |
| 1 | X | X | NONE |

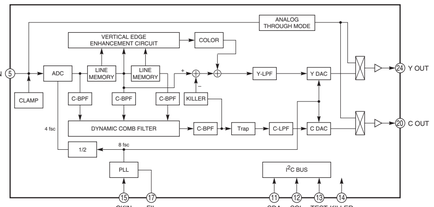
IC804: NJM2581M
Video Amp



IC805, 811: SN74LVU04APWR
Hex Inverters



IC806: TC90A49F
3 Line Digital Y/C Separator



# ■SCHEMATIC DIAGRAM (CONVERSION) RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

★ All voltages are measured with a 10MΩ/V DC electronic volt meter.
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★ Schematic diagram is subject to change without notice.

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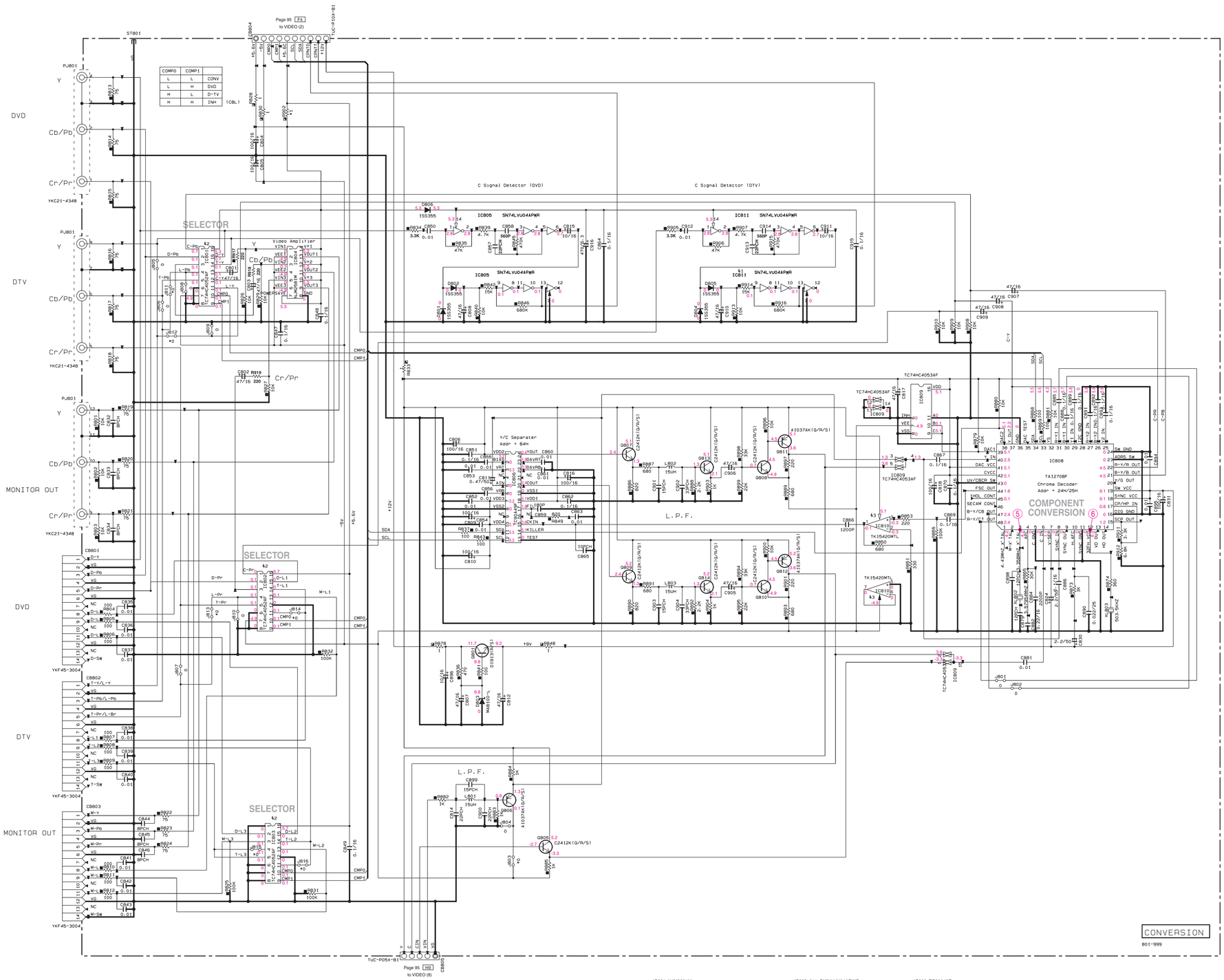
● ⚠印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。







RESISTOR

| REMARKS | PARTS NAME |
|---|---|
| NO MARK | CARBON FILM RESISTOR (P=5) |
| ⊘ | CARBON FILM RESISTOR (P=10) |
| △ | METAL OXIDE FILM RESISTOR |
| ⚠ | METAL FILM RESISTOR |
| ⊠ | METAL PLATE RESISTOR |
| ▨ | FIRE PROOF CARBON FILM RESISTOR |
| □ | CEMENT MOLDED RESISTOR |
| ⊘ | SEMI VARIABLE RESISTOR |
| ■ | CHIP RESISTOR |

NOTICE (model)
(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(A)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE

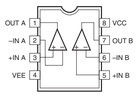
CAPACITOR

| REMARKS | PARTS NAME | |
|---|---|---|
| NO MARK | ELECTROLYTIC CAPACITOR | ≣ |
| ◇ | TANTALUM CAPACITOR | ≣ |
| NO MARK | CERAMIC CAPACITOR | ‖ |
| ◉ | CERAMIC TUBULAR CAPACITOR | ‖ |
| Ⓔ | POLYESTER FILM CAPACITOR | ‖ |
| Ⓢ | POLYSTYRENE FILM CAPACITOR | ‖ |
| Ⓘ | MICA CAPACITOR | ‖ |
| Ⓟ | POLYPROPYLENE FILM CAPACITOR | ‖ |
| ◍ | SEMICONDUCTIVE CERAMIC CAPACITOR | ‖ |

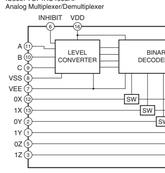
Interchangeable Parts at Manufacture-Stage

| Mark | Reference Parts Number | Parts Name |
|---|---|---|
| &1 | | |
| &2 | IC801-803 | TC74HC4052AF |
| | | MM74HC4052SJX |
| &3 | IC810 | TK15420M |
| | | AD8056AR |

IC810: TK15420M
Video Amp

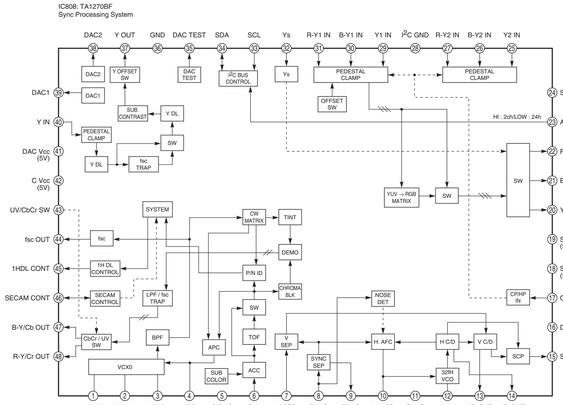



IC809: TC74HC4053AF
Analog Multiplexer/Demultiplexer

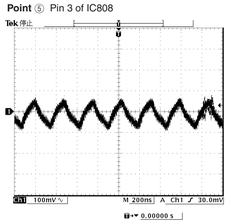



| INPUT STATES | | | | "ON" CHANNNEL (S) |
|---|---|---|---|---|
| INHIBIT | C | B | A | |
| 0 | 0 | 0 | 0 | 0X, 0Y, 0Z |
| 0 | 0 | 0 | 1 | 1X, 0Y, 0Z |
| 0 | 0 | 1 | 0 | 0X, 1Y, 0Z |
| 0 | 0 | 1 | 1 | 1X, 1Y, 0Z |
| 0 | 1 | 0 | 0 | 0X, 0Y, 1Z |
| 0 | 1 | 0 | 1 | 1X, 0Y, 1Z |
| 0 | 1 | 1 | 0 | 0X, 1Y, 1Z |
| 0 | 1 | 1 | 1 | 1X, 1Y, 1Z |
| 1 | X | X | X | NONE |

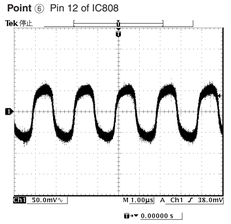
IC808: TA1270BF
Sync Processing System



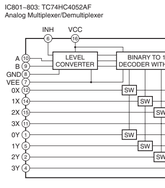

**Point** ⑤ Pin 3 of IC808




**Point** ⑥ Pin 12 of IC808

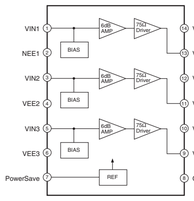



IC801–803: TC74HC4052AF
Analog Multiplexer/Demultiplexer

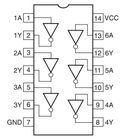



| INHIBIT | B | A | |
|---|---|---|---|
| 0 | 0 | 0 | 0x, 0y |
| 0 | 0 | 1 | 1x, 1y |
| 0 | 1 | 0 | 2x, 2y |
| 0 | 1 | 1 | 3x, 3y |
| 1 | X | X | NONE |

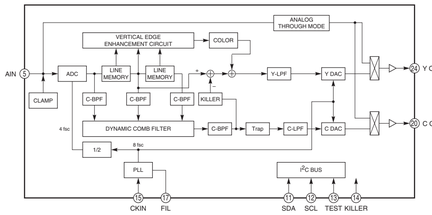
IC804: NJM2581M
Video Amp




IC805, 811: SN74LVU04APWR
Hex Inverters




IC806: TC90A49F
3 Line Digital Y/C Separator



# PARTS LIST

## ■ ELECTRICAL PARTS

### ■ WARNING

● Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.

●⚠印のある部分は、安全確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
●部品価格ランクは、予告なく変更することがあります。

### ABBREVIATIONS IN THIS LIST ARE AS FOLLOWS:

| | |
|---|---|
| C.A.EL.CHP | : CHIP ALUMI.ELECTROLYTIC CAP |
| C.CE | : CERAMIC CAP |
| C.CE.ARRAY | : CERAMIC CAP ARRAY |
| C.CE.CHP | : CHIP CERAMIC CAP |
| C.CE.ML | : MULTILAYER CERAMIC CAP |
| C.CE.M.CHP | : CHIP MULTILAYER CERAMIC CAP |
| C.CE.SAFTY | : RECOGNIZED CERAMIC CAP |
| C.CE.TUBLR | : CERAMIC TUBULAR CAP |
| C.CE.SMI | : SEMI CONDUCTIVE CERAMIC CAP |
| C.EL | : ELECTROLYTIC CAP |
| C.MICA | : MICA CAP |
| C.ML.FLM | : MULTILAYER FILM CAP |
| C.MP | : METALLIZED PAPER CAP |
| C.MYLAR | : MYLAR FILM CAP |
| C.MYLAR.ML | : MULTILAYER MYLAR FILM CAP |
| C.PAPER | : PAPER CAPACITOR |
| C.PLS | : POLYSTYRENE FILM CAP |
| C.POL | : POLYESTER FILM CAP |
| C.POLY | : POLYETHYLENE FILM CAP |
| C.PP | : POLYPROPYLENE FILM CAP |
| C.TNTL | : TANTALUM CAP |
| C.TNTL.CHP | : CHIP TANTALUM CAP |
| C.TRIM | : TRIMMER CAP |
| CN | : CONNECTOR |
| CN.BS.PIN | : CONNECTOR,BASE PIN |
| CN.CANNON | : CONNECTOR,CANNON |
| CN.DIN | : CONNECTOR,DIN |
| CN.FLAT | : CONNECTOR,FLAT CABLE |
| CN.POST | : CONNECTOR,BASE POST |
| COIL.MX.AM | : COIL,AM MIX |
| COIL.AT.FM | : COIL,FM ANTENNA |
| COIL.DT.FM | : COIL,FM DETECT |
| COIL.MX.FM | : COIL,FM MIX |
| COIL,OUTPT | : OUTPUT COIL |
| DIOD.ARRAY | : DIODE ARRAY |
| DIODE.BRG | : DIODE BRIDGE |
| DIODE.CHP | : CHIP DIODE |
| DIODE.VAR | : VARACTOR DIODE |
| DIOD.Z.CHP | : CHIP ZENER DIODE |
| DIODE.ZENR | : ZENER DIODE |
| DSCR.CE | : CERAMIC DISCRIMINATOR |
| FER.BEAD | : FERRITE BEADS |
| FER.CORE | : FERRITE CORE |
| FET.CHP | : CHIP FET |
| FL.DSPLY | : FLUORESCENT DISPLAY |
| FLTR.CE | : CERAMIC FILTER |
| FLTR.COMB | : COMB FILTER MODULE |
| FLTR.LC.RF | : LC FILTER,EMI |
| GND.MTL | : GROUND PLATE |
| GND.TERM | : GROUND TERMINAL |
| HOLDER.FUS | : FUSE HOLDER |
| IC.PRTCT | : IC PROTECTOR |
| JUMPER.CN | : JUMPER CONNECTOR |
| JUMPER.TST | : JUMPER,TEST POINT |
| L.DTCT | : LIGHT DETECTING MODULE |
| L.EMIT | : LIGHT EMITTING MODULE |
| LED.DSPLY | : LED DISPLAY |
| LED.INFRD | : LED,INFRARED |
| MODUL.RF | : MODULATOR,RF |
| PHOT.CPL | : PHOTO COUPLER |
| PHOT.INTR | : PHOTO INTERRUPTER |
| PHOT.RFLCT | : PHOTO REFLECTOR |
| PIN.TEST | : PIN,TEST POINT |
| PLST.RIVET | : PLASTIC RIVET |
| R.ARRAY | : RESISTOR ARRAY |
| R.CAR. | : CARBON RESISTOR |
| R.CAR.CHP | : CHIP RESISTOR |
| R.CAR.FP | : FLAME PROOF CARBON RESISTOR |
| R.FUS | : FUSABLE RESISTOR |
| R.MTL.CHP | : CHIP METAL FILM RESISTOR |
| R.MTL.FLM | : METAL FILM RESISTOR |
| R.MTL.OXD | : METAL OXIDE FILM RESISTOR |
| R.MTL.PLAT | : METAL PLATE RESISTOR |
| RSNR.CE | : CERAMIC RESONATOR |
| RSNR.CRYS | : CRYSTAL RESONATOR |
| R.TW.CEM | : TWIN CEMENT FIXED RESISTOR |
| R.WW | : WIRE WOUND RESISTOR |
| SCR.BND.HD | : BIND HEAD B-TITE SCREW |
| SCR.BW.HD | : BW HEAD TAPPING SCREW |
| SCR.CUP | : CUP TITE SCREW |
| SCR.TERM | : SCREW TERMINAL |
| SCR.TR | : SCREW,TRANSISTOR |
| SUPRT.PCB | : SUPPORT,P.C.B. |
| SURG.PRTCT | : SURGE PROTECTOR |
| SW.TACT | : TACT SWITCH |
| SW.LEAF | : LEAF SWITCH |
| SW.LEVER | : LEVER SWITCH |
| SW.MICRO | : MICRO SWITCH |
| SW.PUSH | : PUSH SWITCH |
| SW.RT.ENC | : ROTARY ENCODER |
| SW.RT.MTR | : ROTARY SWITCH WITH MOTOR |
| SW.RT | : ROTARY SWITCH |
| SW.SLIDE | : SLIDE SWITCH |
| TERM.SP | : SPEAKER TERMINAL |
| TERM.WRAP | : WRAPPING TERMINAL |
| THRMST.CHP | : CHIP THERMISTOR |
| TR.CHP | : CHIP TRANSISTOR |
| TR.DGT | : DIGITAL TRANSISTOR |
| TR.DGT.CHP | : CHIP DIGITAL TRANSISTOR |
| TRANS | : TRANSFORMER |
| TRANS.PULS | : PULSE TRANSFORMER |
| TRANS.PWR | : POWER TRANSFORMER ASS'Y |
| TUNER.AM | : TUNER PACK,AM |
| TUNER.FM | : TUNER PACK,FM |
| TUNER.PK | : FRONT-ENDTUNER PACK |
| VR | : ROTARY POTENTIOMETER |
| VR.MTR | : POTENTIOMETER WITH MOTOR |
| VR.SW | : POTENTIOMETER WITH ROTARY SW |
| VR.SLIDE | : SLIDE POTENTIOMETER |
| VR.TRIM | : TRIMMER POTENTIOMETER |

**Note)** Those parts marked with "#" are not included in the P.C.B. ass'y.

## P.C.B. DSP

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * | | WB724800 | P.C.B. | DSP | 2400 | J | ＰＣＢ　ＤＳＰ | |
| * | | WB724900 | P.C.B. | DSP | 2400 | UCRTKABGL | ＰＣＢ　ＤＳＰ | |
| * | | WB725000 | P.C.B. | DSP | 1400,5690 | J | ＰＣＢ　ＤＳＰ | |
| * | | WB725100 | P.C.B. | DSP | 1400,5690 | UCRTKABGL | ＰＣＢ　ＤＳＰ | |
| | CB501 | VF982300 | CN.BS.PIN | 17P | | | ＦＦＣコネクター | 01 |
| | CB503 | VQ044800 | CN.BS.PIN | 18P | | | ＦＦＣコネクター | 01 |
| | CB504 | VB858300 | CN.BS.PIN | 4P | | | コネクタベースポスト | 01 |
| | CB505 | LB919020 | CN.BS.PIN | 2P | | | ベース付ポスト | 01 |
| * | C513 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C514 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C515 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C516 | UR219100 | C.EL | 1000uF 6.3V | | | ケミコン | |
| * | C518 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C521 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C533 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C537 | UR218470 | C.EL | 470uF 6.3V | | | ケミコン | |
| | C542 | UA654680 | C.MYLAR | 0.068uF 50V | | | マイラーコン | 02 |
| | C543 | UA653100 | C.MYLAR | 1000pF 50V | | | マイラーコン | 03 |
| * | C548 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C549 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C554 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C558 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C560 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C561 | UR218470 | C.EL | 470uF 6.3V | | | ケミコン | |
| * | C565 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C566 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C569 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C602 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C611 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C649 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C662 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C663 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C667 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C675 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C682 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C683 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C692 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C693 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C694 | UU166220 | C.EL | 2.2uF 50V | | | ケミコン | |
| * | C697 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C699 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C700 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C705 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C706 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |
| | C708 | UA655100 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C709 | UA655100 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| * | C710 | UR037470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C711 | UR037470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C712 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C715 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C719 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C720 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C721 | UU137470 | C.EL | 47uF 16V | | | ケミコン | |

＊New Parts　＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. DSP

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | C722 | UA653390 | C.MYLAR | 3900pF 50V | | | マイラーコン | 01 |
| | C723 | UA653390 | C.MYLAR | 3900pF 50V | | | マイラーコン | 01 |
| | C724 | UA653390 | C.MYLAR | 3900pF 50V | | | マイラーコン | 01 |
| | C725 | UA653390 | C.MYLAR | 3900pF 50V | | | マイラーコン | 01 |
| | C726 | UA653390 | C.MYLAR | 3900pF 50V | | | マイラーコン | 01 |
| | C727 | UA653390 | C.MYLAR | 3900pF 50V | | | マイラーコン | 01 |
| | C728 | UA653390 | C.MYLAR | 3900pF 50V | | | マイラーコン | 01 |
| | C729 | UA653390 | C.MYLAR | 3900pF 50V | | | マイラーコン | 01 |
| | C730 | UA654330 | C.MYLAR | 0.033uF 50V | | | マイラーコン | 01 |
| | C731 | UA654330 | C.MYLAR | 0.033uF 50V | | | マイラーコン | 01 |
| | C732 | UA654100 | C.MYLAR | 0.01uF 50V | | | マイラーコン | 01 |
| | C733 | UA654100 | C.MYLAR | 0.01uF 50V | | | マイラーコン | 01 |
| | C734 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C735 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C736 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C737 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C738 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C739 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C740 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C741 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C742 | UA654150 | C.MYLAR | 0.015uF 50V | | | マイラーコン | 01 |
| | C743 | UA654150 | C.MYLAR | 0.015uF 50V | | | マイラーコン | 01 |
| | C744 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C745 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C746 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C747 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C748 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C749 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C750 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C751 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C752 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C753 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C754 | UA654150 | C.MYLAR | 0.015uF 50V | | | マイラーコン | 01 |
| | C755 | UA654150 | C.MYLAR | 0.015uF 50V | | | マイラーコン | 01 |
| | C756 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| | C757 | UA652390 | C.MYLAR | 390pF 50V | | | マイラーコン | 01 |
| * | C770 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C771 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C772 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C773 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C774 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C775 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C776 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C777 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C778 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C779 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C780 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C781 | UR037100 | C.EL | 10uF 16V | | | ケミコン | |
| | C782 | VE326000 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C783 | VE326000 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C784 | UA655100 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C785 | UA655100 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C786 | VE326000 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. DSP

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | C787 | VE326000 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C788 | UA655100 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C789 | UA655100 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C790 | VE326000 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C791 | VE326000 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C792 | UA655100 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| | C793 | UA655100 | C.MYLAR.ML | 0.1uF 50V | | | 積層マイラーコン | 01 |
| * | C794 | UR037470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C795 | UR037470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C796 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C797 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C798 | UR037470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C799 | UR037470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C800 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C801 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C802 | UR037470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C803 | UR037470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C804 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C805 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C806 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C807 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| | D501 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D502 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D509 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D510 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D512 | VV220700 | DIODE.SHOT | RB501V-40 | | | ショットキーダイオード | 01 |
| | D513 | VV220700 | DIODE.SHOT | RB501V-40 | | | ショットキーダイオード | 01 |
| | D514 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D515 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D516 | VV220700 | DIODE.SHOT | RB501V-40 | | | ショットキーダイオード | 01 |
| | D517 | VV220700 | DIODE.SHOT | RB501V-40 | | | ショットキーダイオード | 01 |
| | D518 | VV220700 | DIODE.SHOT | RB501V-40 | | | ショットキーダイオード | 01 |
| | D519 | VV220700 | DIODE.SHOT | RB501V-40 | | | ショットキーダイオード | 01 |
| | D520 | VV220700 | DIODE.SHOT | RB501V-40 | | | ショットキーダイオード | 01 |
| | D521 | VV220700 | DIODE.SHOT | RB501V-40 | | | ショットキーダイオード | 01 |
| | D524 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D525 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D528 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D529 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D530 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D531 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D532 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D533 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D534 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D535 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D536 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D537 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D538 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D539 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D540 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D541 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D542 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D543 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |

＊New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. DSP

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | D544 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D545 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D546 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| | D547 | VT332900 | DIODE | 1SS355 | | | ダイオード | 01 |
| * | IC501 | X3936A00 | IC | SN74LVU04APWR | | | ロジックＩＣ | |
| * | IC502 | X3018A00 | IC | SN74AHCT00PWR NAND | | | ロジックＩＣ　ＴＳＯＰ | 01 |
| * | IC503 | X4314A00 | IC | PQ012FZ01ZP 1.2V1A | | | 電源ＩＣ　ＱＦＰ | |
| * | IC504 | XV894A00 | IC | TC74VHC153FT MULTI | | | ロジックＩＣ | 03 |
| * | IC505 | XV894A00 | IC | TC74VHC153FT MULTI | | | ロジックＩＣ | 03 |
| | IC506 | XR038A00 | IC | NJM2904M OP AMP | | | ＩＣ | 01 |
| | IC508 | XZ003A00 | IC | PQ025EZ5MZP 2.5V | | | 電源ＩＣ　ＱＦＰ | 03 |
| * | IC509 | X3566A00 | IC | LC89057W-VF4-E | | | ＩＣ | |
| | IC510 | XU965A00 | IC | uPC29M33T-E1 3.3V | | | 電源ＩＣ | 03 |
| * | IC511 | X3824A00 | IC | SN74AHCT08PWR | | | ロジックＩＣ | |
| * | IC512 | X4290A00 | IC | D601A002PYP180 | | | ＩＣ | |
| * | IC513 | X3693A00 | IC | SN74LV245APWR TRAN | | | ロジックＩＣＴＳＳＯＰ | |
| * | IC515 | X2590A00 | IC | W981616BH-7 SDRAM | | | メモリＩＣ　１６Ｍ | |
| * | IC516 | X3567A00 | IC | YSS930-SZ | | | ＩＣ | |
| | IC517 | XV077B00 | IC | MSM514260E-60JS | | | メモリＩＣ　４Ｍ | 07 |
| * | IC518 | X3567A00 | IC | YSS930-SZ | | | ＩＣ | |
| * | IC519 | X2096A00 | IC | AK5380-VT | | | ＩＣ | 06 |
| | IC520 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | 02 |
| | IC521 | X0661A00 | IC | AK4382AVT | | | ＩＣ | 07 |
| * | IC522 | X0293A00 | IC | 74VHC157MTCX | | | ロジックＩＣＴＳＳＯＰ | 02 |
| | IC523 | X0661A00 | IC | AK4382AVT | | | ＩＣ | 07 |
| * | IC524 | X4289A00 | IC | AK4358VQ | | | ＩＣ | |
| | IC525 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | 02 |
| | IC526 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | 02 |
| | IC527 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | 02 |
| | IC528 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | 02 |
| | IC529 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | 02 |
| | IC530 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | 02 |
| * | IC531 | X3833A00 | IC | SN74AHC1G08DCKR | | | ロジックＩＣＳＯＰ | 01 |
| * | IC532 | X3833A00 | IC | SN74AHC1G08DCKR | | | ロジックＩＣＳＯＰ | 01 |
| * | IC533 | XJ598A00 | IC | NJM78L05UA 5V | | | 電源ＩＣ　フラット | 02 |
| * | PJ501 | WB824400 | JACK.PIN | YKC21-4228N | 2400 | J | ピンジャック　３Ｐ | |
| * | PJ501 | WB491400 | JACK.PIN | MSD-253V-29 NI | 2400 | UCRTKABGL | ピンジャック　３Ｐ | |
| * | PJ501 | WB491400 | JACK.PIN | MSD-253V-29 NI | 1400,5690 | | ピンジャック　３Ｐ | |
| | Q501 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q503 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q504 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q505 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q506 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q507 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q508 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q509 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q510 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q511 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q512 | VV655300 | TR.DGT | DTA144EKA | | | デジタルトランジスタ | 01 |
| | Q513 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q514 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q515 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q516 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |

※ New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. DSP & P.C.B. FUNCTION

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | Q517 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q518 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q519 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q520 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q521 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q522 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q523 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q524 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | R516 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R517 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R527 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R528 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R535 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R556 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R562 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R673 | VP939600 | R.MTL.FLM | 2.2Ω 1W | | | 金属被膜抵抗 | |
| | R674 | VP939600 | R.MTL.FLM | 2.2Ω 1W | | | 金属被膜抵抗 | |
| | R686 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| * | U501 | WB001600 | CN.PHOT.SN | 1P GP1FA553TZ | | | 光ファイバリンク | |
| * | U502 | WB001600 | CN.PHOT.SN | 1P GP1FA553TZ | | | 光ファイバリンク | |
| * | U503 | WB001400 | CN.PHOT.SN | 1P GP1FA553RZ | | | 光ファイバ受信器 | |
| * | U504 | WB001400 | CN.PHOT.SN | 1P GP1FA553RZ | | | 光ファイバ受信器 | |
| * | U505 | WB001400 | CN.PHOT.SN | 1P GP1FA553RZ | | | 光ファイバ受信器 | |
| * | U506 | WB001400 | CN.PHOT.SN | 1P GP1FA553RZ | | | 光ファイバ受信器 | |
| | XL501 | V6931900 | RESONATOR | 24.576MHz DS0751SV | | | 水晶発振器 | 05 |
| * | | WB725200 | P.C.B. | FUNCTION | 2400 | J | ＰＣＢファンクション | |
| * | | WB725300 | P.C.B. | FUNCTION | 2400 | UC | ＰＣＢファンクション | |
| * | | WB725400 | P.C.B. | FUNCTION | 2400 | RL | ＰＣＢファンクション | |
| * | | WB725500 | P.C.B. | FUNCTION | 2400 | TKBG | ＰＣＢファンクション | |
| * | | WB725600 | P.C.B. | FUNCTION | 2400 | A | ＰＣＢファンクション | |
| * | | WB725900 | P.C.B. | FUNCTION | 1400,5690 | J | ＰＣＢファンクション | |
| * | | WB726000 | P.C.B. | FUNCTION | 1400,5690 | UC | ＰＣＢファンクション | |
| * | | WB726100 | P.C.B. | FUNCTION | 1400,5690 | RL | ＰＣＢファンクション | |
| * | | WB726200 | P.C.B. | FUNCTION | 1400,5690 | TKBG | ＰＣＢファンクション | |
| * | | WB726300 | P.C.B. | FUNCTION | 1400,5690 | A | ＰＣＢファンクション | |
| | CB501 | V7826100 | CN | 11P TE TUC SERIES | | | コネクタープラグ | |
| | CB502 | V7826100 | CN | 11P TE TUC SERIES | | | コネクタープラグ | |
| * | CB503 | V7828400 | SOCKET | 17P SE TUC SERIES | | | コネクターソケット | |
| | CB504 | VP573800 | CN.BS.PIN | 18P | | | ＦＦＣコネクター | |
| | CB505 | VQ044600 | CN.BS.PIN | 13P | | | ＦＦＣコネクター | |
| | CB506 | VM973500 | CN.BS.PIN | 17P | | | ＦＦＣコネクター | |
| | CB507 | VQ047400 | CN.BS.PIN | 19P | | | ＦＦＣコネクター | |
| | CB508 | V7828500 | SOCKET | 18P TE TUC SERIES | | | コネクターソケット | |
| | CB509 | VQ045100 | CN.BS.PIN | 21P | | | ＦＦＣコネクター | |
| | CB510 | VN066500 | CN.BS.PIN | 12P | | | コネクター | 01 |
| | CB511 | LB919060 | CN.BS.PIN | 6P | | | ベース付ポスト | 01 |
| | CB512 | VM929900 | CN.BS.PIN | 15P | | | ＦＰＣコネクター | 01 |
| | CB513 | VM923600 | CN.BS.PIN | 13P | | | ＦＦＣコネクター | 01 |
| * | C501 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C502 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |

＊New Parts ＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. FUNCTION

| | Schm Ref. | PART NO. | Description | | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|---|
| * | C504 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C510 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C512 | UR248100 | C.EL | 100uF | 25V | | | ケミコン | |
| * | C513 | UR266220 | C.EL | 2.2uF | 50V | | UCA | ケミコン | |
| | C517 | UA652220 | C.MYLAR | 220pF | 50V | | TKABG | マイラーコン | 01 |
| | C518 | UA652220 | C.MYLAR | 220pF | 50V | | TKABG | マイラーコン | 01 |
| | C519 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| | C520 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| | C521 | UA652100 | C.MYLAR | 100pF | 50V | | | マイラーコン | 01 |
| | C522 | UA652100 | C.MYLAR | 100pF | 50V | | | マイラーコン | 01 |
| | C523 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| | C524 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| | C525 | UA652100 | C.MYLAR | 100pF | 50V | | | マイラーコン | 01 |
| | C526 | UA652100 | C.MYLAR | 100pF | 50V | | | マイラーコン | 01 |
| | C527 | VQ462600 | C.MYLAR | 220pF | 50V | | | マイラーコン | 01 |
| | C528 | VQ462600 | C.MYLAR | 220pF | 50V | | | マイラーコン | 01 |
| | C529 | UA652220 | C.MYLAR | 220pF | 50V | | | マイラーコン | 01 |
| | C530 | UA652220 | C.MYLAR | 220pF | 50V | | | マイラーコン | 01 |
| | C531 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| | C532 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| * | C533 | UR266220 | C.EL | 2.2uF | 50V | | UCA | ケミコン | |
| | C534 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| | C535 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| | C536 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| | C537 | UA652470 | C.MYLAR | 470pF | 50V | | | マイラーコン | 01 |
| * | C538 | UR266220 | C.EL | 2.2uF | 50V | | | ケミコン | |
| * | C539 | UR218220 | C.EL | 220uF | 6.3V | | | ケミコン | |
| * | C540 | UR218220 | C.EL | 220uF | 6.3V | | | ケミコン | |
| | C541 | UA654390 | C.MYLAR | 0.039uF | 50V | | | マイラーコン | 01 |
| | C542 | UA654390 | C.MYLAR | 0.039uF | 50V | | | マイラーコン | 01 |
| | C543 | UA654110 | C.MYLAR | 0.011uF | 50V | | | マイラーコン | 01 |
| | C544 | UA654110 | C.MYLAR | 0.011uF | 50V | | | マイラーコン | 01 |
| * | C545 | UR237220 | C.EL | 22uF | 16V | | | ケミコン | |
| * | C546 | UR237220 | C.EL | 22uF | 16V | | | ケミコン | |
| * | C547 | UR237220 | C.EL | 22uF | 16V | | | ケミコン | |
| * | C548 | UR237220 | C.EL | 22uF | 16V | | | ケミコン | |
| * | C549 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C550 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C551 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C552 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C553 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| | C554 | UA653100 | C.MYLAR | 1000pF | 50V | | | マイラーコン | 03 |
| | C555 | UA653100 | C.MYLAR | 1000pF | 50V | | | マイラーコン | 03 |
| * | C556 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C557 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C558 | UR237470 | C.EL | 47uF | 16V | | | ケミコン | |
| * | C559 | UR237470 | C.EL | 47uF | 16V | | | ケミコン | |
| * | C560 | UR267470 | C.EL | 47uF | 50V | 2400 | | ケミコン | |
| * | C560 | UR267470 | C.EL | 47uF | 50V | 1400 | UCA | ケミコン | |
| * | C561 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C562 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C563 | UR265470 | C.EL | 0.47uF | 50V | | | ケミコン | |
| * | C564 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. FUNCTION

| | Schm Ref. | PART NO. | Description | | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|---|
| * | C565 | UR267470 | C.EL | 47uF | 50V | 2400 | | ケミコン | |
| * | C565 | UR267470 | C.EL | 47uF | 50V | 1400 | UCA | ケミコン | |
| * | C566 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C567 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C568 | UR237470 | C.EL | 47uF | 16V | | UCA | ケミコン | |
| * | C569 | UR266470 | C.EL | 4.7uF | 50V | | | ケミコン | |
| * | C570 | UR266470 | C.EL | 4.7uF | 50V | | | ケミコン | |
| * | C571 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C572 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C573 | UR237100 | C.EL | 10uF | 16V | 2400 | UCA | ケミコン | |
| * | C574 | UR237100 | C.EL | 10uF | 16V | 2400 | UCA | ケミコン | |
| * | C575 | UT952100 | C.PP | 100pF | 100V | | | ＰＰコン | |
| * | C576 | UR239100 | C.EL | 1000uF | 16V | | | ケミコン | |
| * | C577 | UR237470 | C.EL | 47uF | 16V | | | ケミコン | |
| * | C578 | UT952100 | C.PP | 100pF | 100V | | | ＰＰコン | |
| * | C579 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| | C580 | VT180400 | C.EL | 4700uF | 5.5V | | | バックアップケミコン | 02 |
| * | C581 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C582 | UR237100 | C.EL | 10uF | 16V | 2400 | UCA | ケミコン | |
| * | C583 | UR237100 | C.EL | 10uF | 16V | 2400 | UCA | ケミコン | |
| * | C584 | UR266470 | C.EL | 4.7uF | 50V | | | ケミコン | |
| * | C585 | UR266470 | C.EL | 4.7uF | 50V | | | ケミコン | |
| * | C586 | UR219100 | C.EL | 1000uF | 6.3V | | | ケミコン | |
| * | C587 | UR219100 | C.EL | 1000uF | 6.3V | | | ケミコン | |
| * | C588 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C589 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C590 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C591 | UR237470 | C.EL | 47uF | 16V | | | ケミコン | |
| * | C592 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C593 | UR248100 | C.EL | 100uF | 25V | | | ケミコン | |
| * | C594 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C595 | UR266220 | C.EL | 2.2uF | 50V | | | ケミコン | |
| * | C596 | UR266220 | C.EL | 2.2uF | 50V | | | ケミコン | |
| * | C597 | UR266220 | C.EL | 2.2uF | 50V | | | ケミコン | |
| * | C598 | UR266220 | C.EL | 2.2uF | 50V | | | ケミコン | |
| * | C600 | UR266220 | C.EL | 2.2uF | 50V | | | ケミコン | |
| * | C601 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C602 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C603 | UR237470 | C.EL | 47uF | 16V | | UCA | ケミコン | |
| * | C604 | UR237470 | C.EL | 47uF | 16V | | UCA | ケミコン | |
| * | C605 | UR237470 | C.EL | 47uF | 16V | 2400 | UCA | ケミコン | |
| * | C606 | UR237470 | C.EL | 47uF | 16V | 2400 | UCA | ケミコン | |
| * | C607 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C609 | UR237470 | C.EL | 47uF | 16V | | | ケミコン | |
| * | C610 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C613 | UR237100 | C.EL | 10uF | 16V | 2400 | UCA | ケミコン | |
| * | C616 | UR237470 | C.EL | 47uF | 16V | | UCA | ケミコン | |
| * | C617 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C618 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C619 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C624 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C625 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C626 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |

＊New Parts　＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. FUNCTION

| | Schm Ref. | PART NO. | Description | | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|---|
| * | C627 | UR237100 | C.EL | 10uF | 16V | | UCA | ケミコン | |
| * | C628 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C629 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C630 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C631 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C632 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C635 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C636 | UT952100 | C.PP | 100pF | 100V | | | P P コン | |
| * | C637 | UT952100 | C.PP | 100pF | 100V | | | P P コン | |
| * | C638 | UT952100 | C.PP | 100pF | 100V | | | P P コン | |
| * | C640 | UT952100 | C.PP | 100pF | 100V | | | P P コン | |
| * | C651 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C652 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C653 | UR266330 | C.EL | 3.3uF | 50V | | | ケミコン | |
| * | C654 | UR266330 | C.EL | 3.3uF | 50V | | | ケミコン | |
| * | C655 | UR266330 | C.EL | 3.3uF | 50V | | | ケミコン | |
| * | C658 | UR266330 | C.EL | 3.3uF | 50V | | | ケミコン | |
| * | C662 | UR266470 | C.EL | 4.7uF | 50V | | | ケミコン | |
| * | C663 | UR266470 | C.EL | 4.7uF | 50V | | | ケミコン | |
| * | C666 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C667 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C668 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C671 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C672 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C676 | UR266470 | C.EL | 4.7uF | 50V | | | ケミコン | |
| * | C677 | UR266470 | C.EL | 4.7uF | 50V | | | ケミコン | |
| * | C678 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C679 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C681 | UR237330 | C.EL | 33uF | 16V | | | ケミコン | |
| * | C682 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C683 | UR237330 | C.EL | 33uF | 16V | | | ケミコン | |
| * | C684 | UR237330 | C.EL | 33uF | 16V | | | ケミコン | |
| * | C685 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C686 | UR267100 | C.EL | 10uF | 50V | | | ケミコン | |
| * | C689 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C690 | UR237330 | C.EL | 33uF | 16V | | | ケミコン | |
| * | C695 | UR237470 | C.EL | 47uF | 16V | | | ケミコン | |
| * | C696 | UR237470 | C.EL | 47uF | 16V | | | ケミコン | |
| * | C697 | UR237330 | C.EL | 33uF | 16V | | | ケミコン | |
| * | C698 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C699 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C700 | UR237330 | C.EL | 33uF | 16V | | | ケミコン | |
| * | C701 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C702 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C703 | UR237330 | C.EL | 33uF | 16V | | | ケミコン | |
| * | C706 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C707 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C708 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C709 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C710 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C711 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| | C714 | V9607800 | C.PP | 47pF | 100V | | | P P コン | |
| | C715 | V9607800 | C.PP | 47pF | 100V | | | P P コン | |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. FUNCTION

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * | C716 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C717 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C718 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C719 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C721 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C722 | UR237220 | C.EL | 22uF 16V | | | ケミコン | |
| * | C726 | UR266220 | C.EL | 2.2uF 50V | | | ケミコン | |
| | D501 | VU992600 | DIODE.ZENR | MA8051-M 5.1V | | | ツェナーダイオード | |
| | D502 | VU993000 | DIODE.ZENR | MA8056-M 5.6V | | | ツェナーダイオード | |
| | D503 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D504 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D505 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D506 | VU993700 | DIODE.ZENR | MA8068-L 6.6V | | | ツェナーダイオード | |
| | D507 | VU993700 | DIODE.ZENR | MA8068-L 6.6V | | | ツェナーダイオード | |
| | D509 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D510 | VV833200 | DIODE | 1SS380 | | | ダイオード | |
| | D511 | VV833200 | DIODE | 1SS380 | | | ダイオード | |
| | D512 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D513 | VU992600 | DIODE.ZENR | MA8051-M 5.1V | | | ツェナーダイオード | |
| | D531 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D532 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D535 | VU992600 | DIODE.ZENR | MA8051-M 5.1V | | | ツェナーダイオード | |
| | D536 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D537 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | IC501 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| | IC502 | XP895A00 | IC | LC78212 | | | ＩＣ | |
| | IC503 | XP894A00 | IC | LC78211 | | | ＩＣ | |
| | IC504 | XP896A00 | IC | LC78213 | | | ＩＣ | |
| | IC505 | X2896A00 | IC | M62320FP I/O PORT | | | ＣＰＵ／周辺ＩＣ | |
| | IC506 | X3547A00 | IC | BD3841FS | 2400 | | ＩＣ | |
| | IC506 | X3547A00 | IC | BD3841FS | 1400 | UCA | ＩＣ | |
| | IC507 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| * | IC508 | X4536A00 | IC | SN74AHCT126PW | 2400 | | ロジックＩＣ | |
| | IC509 | XP895A00 | IC | LC78212 | | | ＩＣ | |
| | IC510 | XP896A00 | IC | LC78213 | | | ＩＣ | |
| | IC511 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| * | IC512 | X4678A00 | IC.EPROM | MBM29F800BA | unwritten | | ＥＰＲＯＭ | |
| | IC513 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| | IC514 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| | IC515 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| | IC516 | XZ545A00 | IC | YAC520-EE2 | | | ＩＣ | |
| * | IC517 | X4325A00 | IC | YAC523-EVR2 | | | ＩＣ，アナログ | |
| | IC518 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| | IC519 | XZ545A00 | IC | YAC520-EE2 | | | ＩＣ | |
| | IC520 | X2965A00 | IC.CPU | M30805SGP | | | ＣＰＵ／周辺ＩＣ | |
| | IC521 | XF291A00 | IC | uPC4570G2 | | | ＩＣ | 03 |
| | IC522 | XA507A00 | IC | AN78N05 | | | ＩＣ | 02 |
| | IC523 | XF291A00 | IC | uPC4570G2 | | | ＩＣ | 03 |
| | IC524 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| | IC525 | X3505A00 | IC | NJM2068MD-TE2 | | | アンプＩＣ　ＳＯＰ | |
| | IC526 | XZ545A00 | IC | YAC520-EE2 | | UCA | ＩＣ | |
| | IC527 | XF291A00 | IC | uPC4570G2 | | UCA | ＩＣ | 03 |
| | IC528 | XF291A00 | IC | uPC4570G2 | | | ＩＣ | 03 |

＊New Parts　＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. FUNCTION

| Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|
| IC529 | XF291A00 | IC | uPC4570G2 | | | ＩＣ | 03 |
| IC530 | XF291A00 | IC | uPC4570G2 | 2400 | UCA | ＩＣ | 03 |
| IC531 | XZ545A00 | IC | YAC520-EE2 | 2400 | UCA | ＩＣ | |
| PJ501 | V9796700 | JACK.PIN | MSP-244V1-03 GILT | 2400 | J | ピンジャック　４Ｐ | |
| PJ501 | V7046700 | JACK.PIN | MSP-244V1-01NI | 2400 | UCRTKABGL | ピンジャック　４Ｐ | |
| PJ501 | V7046700 | JACK.PIN | MSP-244V1-01NI | 1400 | | ピンジャック　４Ｐ | |
| PJ502 | V9796700 | JACK.PIN | MSP-244V1-03 GILT | 2400 | J | ピンジャック　４Ｐ | |
| PJ502 | V7046700 | JACK.PIN | MSP-244V1-01NI | 2400 | UCRTKABGL | ピンジャック　４Ｐ | |
| PJ502 | V7046700 | JACK.PIN | MSP-244V1-01NI | 1400 | | ピンジャック　４Ｐ | |
| PJ503 | V9796800 | JACK.PIN | MSP-244V6-03 GILT | 2400 | J | ピンジャック　４Ｐ | |
| PJ503 | V8041300 | JACK.PIN | 4P | 2400 | UCRTKABGL | ピンジャック４Ｐアース付 | |
| PJ503 | V8041300 | JACK.PIN | 4P | 1400 | | ピンジャック４Ｐアース付 | |
| PJ504 | V9796900 | JACK.PIN | MSP-246V1-32 GILT | 2400 | J | ピンジャック　６Ｐ | |
| PJ504 | V9394300 | JACK.PIN | MSP-246V1-18NI | 2400 | UCRTKABGL | ピンジャック　６Ｐ | |
| PJ504 | V9394300 | JACK.PIN | MSP-246V1-18NI | 1400 | | ピンジャック　６Ｐ | |
| Q501 | VV556500 | TR | 2SA1037K Q,R,S | 2400 | | トランジスタ | |
| Q502 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q503 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q504 | VV556500 | TR | 2SA1037K Q,R,S | | UCA | トランジスタ | |
| Q505 | VP872700 | TR | 2SC4488 S,T | | | トランジスタ | |
| Q506 | VP872700 | TR | 2SC4488 S,T | | UCA | トランジスタ | |
| Q507 | VV556500 | TR | 2SA1037K Q,R,S | | UCA | トランジスタ | |
| Q508 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q509 | VP872700 | TR | 2SC4488 S,T | | | トランジスタ | |
| Q510 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q511 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| Q512 | VV655700 | TR.DGT | DTC144EKA | | | デジタルトランジスタ | 01 |
| Q513 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q514 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q515 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q516 | VP872600 | TR | 2SA1708 S,T | | | トランジスタ | |
| Q517 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q518 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q519 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q520 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q521 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q522 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q523 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q525 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q526 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q527 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| Q528 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| Q529 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| Q530 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| Q532 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| Q533 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q534 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q535 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q536 | VD303700 | TR | 2SC3326 A,B | | UCA | トランジスタ | 01 |
| Q537 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q538 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q539 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| Q540 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |

※ New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. FUNCTION & P.C.B. OPERATION

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | Q541 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q542 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q543 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q544 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q545 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q546 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q547 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q548 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q549 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q550 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q551 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q552 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q553 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| | Q554 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q555 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q556 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q557 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q558 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q559 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q560 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q561 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q562 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | R513 | HV754100 | R.CAR.FP | 10Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R583 | HV755100 | R.CAR.FP | 100Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R584 | HV755100 | R.CAR.FP | 100Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R668 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCA | 不燃化カーボン抵抗 | 01 |
| | R792 | VP939700 | R.MTL.FLM | 4.7Ω 1W | | | 金属被膜抵抗 | 01 |
| | R793 | VP939700 | R.MTL.FLM | 4.7Ω 1W | | | 金属被膜抵抗 | 01 |
| | R813 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R839 | VP939700 | R.MTL.FLM | 4.7Ω 1W | | | 金属被膜抵抗 | 01 |
| | R840 | VP939700 | R.MTL.FLM | 4.7Ω 1W | | | 金属被膜抵抗 | 01 |
| | ST502 | V4040500 | SCR.TERM | M3 | | | スクリュー／ターミナル | |
| | XL511 | WA674700 | RSNR.CE | 16MHz CSTLS16M0X51 | | | セラミック振動子 | |
| * | | WB726600 | P.C.B. | OPERATION | 2400 | JRTKL | ＰＣＢオペレーション | |
| * | | WB726700 | P.C.B. | OPERATION | 2400 | UCA | ＰＣＢオペレーション | |
| * | | WB726800 | P.C.B. | OPERATION | 2400 | BG | ＰＣＢオペレーション | |
| * | | WB726900 | P.C.B. | OPERATION | 1400,5690 | JRTKL | ＰＣＢオペレーション | |
| * | | WB727000 | P.C.B. | OPERATION | 1400,5690 | UCA | ＰＣＢオペレーション | |
| * | | WB727100 | P.C.B. | OPERATION | 1400,5690 | BG | ＰＣＢオペレーション | |
| | CB851 | VQ047200 | CN.BS.PIN | 9P | | | ＦＦＣコネクター | |
| | CB852 | VM929900 | CN.BS.PIN | 15P | | | ＦＰＣコネクター | 01 |
| | CB859 | VQ045100 | CN.BS.PIN | 21P | | | ＦＦＣコネクター | |
| | CB861 | VB389900 | CN.BS.PIN | 3P | | | ベースピン | 01 |
| | CB862 | VB390000 | CN.BS.PIN | 4P | | | ベースピン | 01 |
| | CB863 | VQ047100 | CN.BS.PIN | 7P | | | ＦＦＣコネクター | |
| | CB864 | VM923600 | CN.BS.PIN | 13P | | | ＦＦＣコネクター | 01 |
| * | C859 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C876 | UR218330 | C.EL | 330uF 6.3V | | | ケミコン | |
| | C900 | UM397220 | C.EL | 22uF 25V | | | ケミコン | 01 |
| | C901 | UM397220 | C.EL | 22uF 25V | | | ケミコン | 01 |

＊New Parts ＊新規部品（マーク#の部品は、基板に含まれません）

# P.C.B. OPERATION

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | C903 | UM397100 | C.EL | 10uF 16V | | | ケミコン | 01 |
| | C904 | UA653100 | C.MYLAR | 1000pF 50V | | | マイラーコン | 03 |
| | C906 | UA653100 | C.MYLAR | 1000pF 50V | | | マイラーコン | 03 |
| | C907 | UM397100 | C.EL | 10uF 16V | | | ケミコン | 01 |
| | C908 | UM397100 | C.EL | 10uF 16V | | | ケミコン | 01 |
| | C911 | UM387470 | C.EL | 47uF 16V | | | ケミコン | 01 |
| * | C912 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| | C916 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C917 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C919 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C920 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C921 | UM397220 | C.EL | 22uF 25V | | | ケミコン | 01 |
| * | C924 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C925 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| | C930 | UM397100 | C.EL | 10uF 16V | | | ケミコン | 01 |
| * | C931 | WB553000 | C.EL | 1000uF 16V | | | ケミコン ＶＫ | |
| * | C932 | WB553000 | C.EL | 1000uF 16V | | | ケミコン ＶＫ | |
| | D851 | VU171500 | DIODE.ZENR | UDZ 3.6BTE-17 3.6V | | | ツェナーダイオード | 01 |
| | D852 | V2598200 | LED | SIR-505ST | 2400 | UCA | ＬＥＤ | |
| | D853 | V2598200 | LED | SIR-505ST | | UCA | ＬＥＤ | |
| | D854 | VU171500 | DIODE.ZENR | UDZ 3.6BTE-17 3.6V | | | ツェナーダイオード | 01 |
| | D860 | VU171900 | DIODE.ZENR | UDZ5.1B 5.1V | | | ツェナーダイオード | 01 |
| | D861 | VV307700 | DIODE | 1N4002S | | | ダイオード | |
| | D862 | VV307700 | DIODE | 1N4002S | | | ダイオード | |
| | IC851 | X2874A00 | IC | M66003-0101FP FLD | | | アンプＩＣ | |
| * | IC853 | X2080A00 | IC | SN74AHCT1G32DCKR | | | ロジックＩＣ | |
| | IC854 | XP844A00 | IC | NJM4556AL | | | ＩＣ | |
| | IC855 | XF291A00 | IC | uPC4570G2 | | | ＩＣ | 03 |
| | JK858 | V9408200 | JACK.PHONE | MSJ-064-05B GR | | | ホーンジャック | |
| | JK859 | V2589500 | CN | 1P | | | ミニＤＩＮコネクタ | |
| | JK860 | VJ726800 | JACK.MINI | 1P | | | モノラルミニジャック | 01 |
| | PJ854 | V6222800 | JACK.PIN | 3P | | | ピンジャック 3Ｐ | |
| | Q851 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q852 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q853 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q854 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q855 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q856 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q857 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q858 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q859 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q864 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| | Q865 | VD303700 | TR | 2SC3326 A,B | | | トランジスタ | 01 |
| * | R851 | HL005100 | R.MTL.OXD | 100Ω 1/2W | | | 酸化金属被膜抵抗 | |
| * | R852 | HL005100 | R.MTL.OXD | 100Ω 1/2W | | | 酸化金属被膜抵抗 | |
| | R955 | HL005220 | R.MTL.OXD | 220Ω 1/2W | | | 酸化金属被膜抵抗 | |
| | R956 | HL005220 | R.MTL.OXD | 220Ω 1/2W | | | 酸化金属被膜抵抗 | |
| | ST853 | V4040500 | SCR.TERM | M3 | | | スクリュー／ターミナル | |
| | ST854 | V4040500 | SCR.TERM | M3 | | | スクリュー／ターミナル | |
| | ST855 | V4040500 | SCR.TERM | M3 | | | スクリュー／ターミナル | |
| | ST856 | V4040500 | SCR.TERM | M3 | | | スクリュー／ターミナル | |
| | SW851 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW852 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. OPERATION & P.C.B. MAIN

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | SW853 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW854 | V9281300 | SW.RT.ENC | EVEKD2F3024B | | | ロータリーエンコーダ | |
| | SW855 | V9281200 | SW.RT.ENC | EVEGC1F2512B | | | ロータリーエンコーダ | |
| | SW856 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW857 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW858 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW859 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW860 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW861 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW862 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW863 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW864 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW865 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW866 | V4757100 | SW.TACT | EVQ11A | | | タクトＳＷ | |
| | SW867 | V4757100 | SW.TACT | EVQ11A | | BG | タクトＳＷ | |
| | SW868 | V4757100 | SW.TACT | EVQ11A | | BG | タクトＳＷ | |
| | SW869 | V9281200 | SW.RT.ENC | EVEGC1F2512B | | | ロータリーエンコーダ | |
| | SW870 | V4757100 | SW.TACT | EVQ11A | | BG | タクトＳＷ | |
| | SW871 | V4757100 | SW.TACT | EVQ11A | | BG | タクトＳＷ | |
| * | SW872 | WB544900 | SW.RT.ENC | SDB161PH20FS-1-4 | 2400 | | ロータリーエンコーダ | |
| | U851 | V9240900 | L.DTCT | GP1UM281XK | | | リモコン受光ユニット | |
| | U852 | V7680700 | CN.PHOT.SN | 1P GP1FA512RZ | | | 光ファイバ受信器 | |
| * | V851 | WB585800 | FL.DSPLY | 16-BT-112GNK | | | 螢光表示管 | |
| | | V6007000 | SHEET | | | | シート／ＦＬ | |
| | | V6007100 | SPACER.FL | 4.6/10/32 | | | スペーサ　ＦＬ | |
| * | | WB722100 | P.C.B. | MAIN | 2400 | J | ＰＣＢ　メイン | |
| * | | WB722200 | P.C.B. | MAIN | 2400 | UCRTA | ＰＣＢ　メイン | |
| * | | WB722300 | P.C.B. | MAIN | 2400 | KBGL | ＰＣＢ　メイン | |
| * | | WB722400 | P.C.B. | MAIN | 1400,5690 | J | ＰＣＢメイン | |
| * | | WB722500 | P.C.B. | MAIN | 1400,5690 | UCRTA | ＰＣＢメイン | |
| * | | WB722600 | P.C.B. | MAIN | 1400,5690 | KBGL | ＰＣＢメイン | |
| | CB205 | V7826400 | CN | 14P TE TUC SERIES | | | コネクタープラグ | |
| * | CB207 | VU271200 | CN | 12P TE | | | ＦＦＣ　コネクター | |
| | CB211 | WB127100 | CN.BS.PIN | 3P TE XH | | | ベースツキポスト | |
| | CB212 | LB932060 | CN.BS.PIN | 6P | | | ベースポスト | 01 |
| | CB215 | VE352600 | CN.BS.PIN | 14P | | | コネクタベースポスト | 01 |
| | CB216 | LB918020 | CN.BS.PIN | 2P | | | ベース付ポスト | 01 |
| | CB217 | V7825700 | CN | 7P TE TUC SERIES | | | コネクタープラグ | |
| | CB218 | LB918030 | CN.BS.PIN | 3P | | | ベース付ポスト | 01 |
| | C201 | VJ599100 | C.CE.TUBLR | 0.1uF 50V | | | 円筒セラコン | 01 |
| | C226 | VJ599100 | C.CE.TUBLR | 0.1uF 50V | | | 円筒セラコン | 01 |
| * | C227 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C228 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C229 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C230 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C231 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C232 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C233 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| | C234 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| * | C235 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |

＊New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. MAIN

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | C236 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| | C237 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| * | C238 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| | C239 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| | C240 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| * | C241 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| | C242 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| | C243 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| * | C244 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| | C245 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| | C246 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| * | C247 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| | C248 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| | C249 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| * | C250 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| | C251 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| | C252 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| * | C253 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| | C254 | V8584500 | C.PP | 100pF 630V | | | ＰＰコン | |
| | C255 | VK399200 | C.MYLAR.ML | 0.39uF 50V | | | 積層マイラーコン | |
| | C256 | VK399200 | C.MYLAR.ML | 0.39uF 50V | | | 積層マイラーコン | |
| | C257 | VP918300 | C.PP | 0.022uF 100V | | | ＰＰコン | |
| | C258 | VP918300 | C.PP | 0.022uF 100V | | | ＰＰコン | |
| | C259 | UA654220 | C.MYLAR | 0.022uF 50V | | | マイラーコン | |
| | C260 | UA654220 | C.MYLAR | 0.022uF 50V | | | マイラーコン | |
| | C261 | VP918300 | C.PP | 0.022uF 100V | | | ＰＰコン | |
| | C262 | UA654220 | C.MYLAR | 0.022uF 50V | | | マイラーコン | |
| | C263 | UA654220 | C.MYLAR | 0.022uF 50V | | | マイラーコン | |
| * | C264 | UR297100 | C.EL | 10uF 100V | | | ケミコン | |
| * | C265 | UR297100 | C.EL | 10uF 100V | | | ケミコン | |
| * | C266 | UR297100 | C.EL | 10uF 100V | | | ケミコン | |
| * | C267 | UR297100 | C.EL | 10uF 100V | | | ケミコン | |
| * | C268 | UR297100 | C.EL | 10uF 100V | | | ケミコン | |
| * | C269 | UR297100 | C.EL | 10uF 100V | | | ケミコン | |
| * | C270 | UR266470 | C.EL | 4.7uF 50V | | | ケミコン | |
| * | C271 | UR266470 | C.EL | 4.7uF 50V | | | ケミコン | |
| | C275 | UA653470 | C.MYLAR | 4700pF 50V | | UCRTKABGL | マイラーコン | 01 |
| | C276 | UA653470 | C.MYLAR | 4700pF 50V | | UCRTKABGL | マイラーコン | 01 |
| | C277 | UA653470 | C.MYLAR | 4700pF 50V | | UCRTKABGL | マイラーコン | 01 |
| | C278 | UA653470 | C.MYLAR | 4700pF 50V | | UCRTKABGL | マイラーコン | 01 |
| | C279 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |
| | C280 | UA654100 | C.MYLAR | 0.01uF 50V | | UCRTKABGL | マイラーコン | 01 |
| | C281 | UA654100 | C.MYLAR | 0.01uF 50V | | UCRTKABGL | マイラーコン | 01 |
| | C283 | V9468900 | C.EL | 15000uF 71V | | UCRTA | ケミコン | |
| * | C283 | WB799200 | C.EL | 15000uF 71V | | JKBGL | ケミコン | |
| | C284 | V9468900 | C.EL | 15000uF 71V | | UCRTA | ケミコン | |
| * | C284 | WB799200 | C.EL | 15000uF 71V | | JKBGL | ケミコン | |
| * | C286 | UR268330 | C.EL | 330uF 50V | | | ケミコン | |
| * | C287 | UR268100 | C.EL | 100uF 50V | | | ケミコン | |
| | C288 | VR324900 | C.MYLAR | 0.1uF 100V | | | マイラーコン | 01 |
| | C289 | VR324900 | C.MYLAR | 0.1uF 100V | | | マイラーコン | 01 |
| | C290 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |
| | C291 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |

※ New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. MAIN

| Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|
| C292 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |
| C293 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |
| C294 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |
| C295 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |
| C296 | UA654100 | C.MYLAR | 0.01uF 50V | | UCRTKABGL | マイラーコン | 01 |
| C297 | UA654100 | C.MYLAR | 0.01uF 50V | | UCRTKABGL | マイラーコン | 01 |
| C299 | UA654100 | C.MYLAR | 0.01uF 50V | | UCRTKABGL | マイラーコン | 01 |
| C300 | UA654100 | C.MYLAR | 0.01uF 50V | | UCRTKABGL | マイラーコン | 01 |
| C301 | UA355100 | C.MYLAR | 0.1uF 50V | | | マイラーコン | 01 |
| C302 | UA355100 | C.MYLAR | 0.1uF 50V | | | マイラーコン | 01 |
| C303 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |
| C304 | UA654220 | C.MYLAR | 0.022uF 50V | | UCRTKABGL | マイラーコン | |
| C305 | V8584600 | C.PP | 220pF 630V | | | ＰＰコン | |
| D201 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| D206 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| D207 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D208 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D209 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D210 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D211 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D212 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D213 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D214 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D215 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D216 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D217 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D218 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D219 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D220 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D221 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D222 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D223 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D224 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| D225 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D226 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D227 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D228 | VG443700 | DIODE.ZENR | MTZJ33B 33V | | | ツェナーダイオード | |
| D229 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D231 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D232 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D233 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D234 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D235 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D236 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D238 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| D239 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| ⚠ D240 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| ⚠ D241 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| ⚠ D242 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| ⚠ D243 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| ⚠ D246 | VZ755200 | DIODE.BRG | D15XB20 15A 200V | | | ダイオートブリッジ | |
| G201 | V5995800 | PLATE.GND | | | | アースプレート | |
| ⚠ IC201 | X0515A00 | IC | LM61CIZ THERMAL | | | 電源ＩＣ | |

＊New Parts ＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. MAIN

| Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|
| IC202 | X0515A00 | IC | LM61CIZ THERMAL | | | 電源ＩＣ | |
| Q213 | VK432900 | TR | 2SD1915F S,T | | | トランジスタ | 01 |
| Q214 | VK432900 | TR | 2SD1915F S,T | | | トランジスタ | 01 |
| Q215 | iC224030 | TR | 2SC2240 GR,BL | | | トランジスタ | 01 |
| Q216 | iC224030 | TR | 2SC2240 GR,BL | | | トランジスタ | 01 |
| Q217 | VK432900 | TR | 2SD1915F S,T | | | トランジスタ | 01 |
| Q218 | VK432900 | TR | 2SD1915F S,T | | | トランジスタ | 01 |
| Q219 | VK432900 | TR | 2SD1915F S,T | | | トランジスタ | 01 |
| Q220A | iX632610 | TR | 2SA1837 O,Y | | | トランジスタ | 02 |
| Q220C | iX632620 | TR | 2SC4793 O,Y | | | トランジスタ | 02 |
| Q221A | iX632610 | TR | 2SA1837 O,Y | | | トランジスタ | 02 |
| Q221C | iX632620 | TR | 2SC4793 O,Y | | | トランジスタ | 02 |
| Q222A | iX632610 | TR | 2SA1837 O,Y | | | トランジスタ | 02 |
| Q222C | iX632620 | TR | 2SC4793 O,Y | | | トランジスタ | 02 |
| Q223A | iX632610 | TR | 2SA1837 O,Y | | | トランジスタ | 02 |
| Q223C | iX632620 | TR | 2SC4793 O,Y | | | トランジスタ | 02 |
| Q224A | iX632610 | TR | 2SA1837 O,Y | | | トランジスタ | 02 |
| Q224C | iX632620 | TR | 2SC4793 O,Y | | | トランジスタ | 02 |
| Q225A | iX632610 | TR | 2SA1837 O,Y | | | トランジスタ | 02 |
| Q225C | iX632620 | TR | 2SC4793 O,Y | | | トランジスタ | 02 |
| Q226A | iX606460 | TR | 2SA1492 O,P,Y | | | トランジスタ | 05 |
| Q226C | iX606470 | TR | 2SC3856 O,P,Y | | | トランジスタ | 05 |
| Q227A | iX606460 | TR | 2SA1492 O,P,Y | | | トランジスタ | 05 |
| Q227C | iX606470 | TR | 2SC3856 O,P,Y | | | トランジスタ | 05 |
| Q228A | iX606460 | TR | 2SA1492 O,P,Y | | | トランジスタ | 05 |
| Q228C | iX606470 | TR | 2SC3856 O,P,Y | | | トランジスタ | 05 |
| Q229A | iX606460 | TR | 2SA1492 O,P,Y | | | トランジスタ | 05 |
| Q229C | iX606470 | TR | 2SC3856 O,P,Y | | | トランジスタ | 05 |
| Q230A | iX606460 | TR | 2SA1492 O,P,Y | | | トランジスタ | 05 |
| Q230C | iX606470 | TR | 2SC3856 O,P,Y | | | トランジスタ | 05 |
| Q231A | iX606460 | TR | 2SA1492 O,P,Y | | | トランジスタ | 05 |
| Q231C | iX606470 | TR | 2SC3856 O,P,Y | | | トランジスタ | 05 |
| Q232A | iX606460 | TR | 2SA1492 O,P,Y | | | トランジスタ | 05 |
| Q232C | iX606470 | TR | 2SC3856 O,P,Y | | | トランジスタ | 05 |
| Q233A | iX632610 | TR | 2SA1837 O,Y | | | トランジスタ | 02 |
| Q233C | iX632620 | TR | 2SC4793 O,Y | | | トランジスタ | 02 |
| Q248 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q249 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q250 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q251 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q252 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q253 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q254 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q255 | iC1815I0 | TR | 2SC1815 Y | | | トランジスタ | 01 |
| Q256 | iC1815I0 | TR | 2SC1815 Y | | | トランジスタ | 01 |
| Q257 | iA1015I0 | TR | 2SA1015 Y | | | トランジスタ | 01 |
| Q258 | iC1815I0 | TR | 2SC1815 Y | | | トランジスタ | 01 |
| Q261 | iC1815I0 | TR | 2SC1815 Y | | | トランジスタ | 01 |
| Q262 | iC1815I0 | TR | 2SC1815 Y | | | トランジスタ | 01 |
| R249 | VP941600 | R.MTL.0XD | 5.6KΩ 1W | | J | 酸化金属被膜抵抗 | 01 |
| R249 | VP941700 | R.MTL.0XD | 6.8KΩ 1W | | UCRTKABGL | 酸化金属被膜抵抗 | 01 |
| R250 | VP941600 | R.MTL.0XD | 5.6KΩ 1W | | | 酸化金属被膜抵抗 | 01 |
| R251 | VP941600 | R.MTL.0XD | 5.6KΩ 1W | | J | 酸化金属被膜抵抗 | 01 |

＊New Parts ＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. MAIN

| | Schm Ref. | PART NO. | Description | | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|---|
| | R251 | VP941700 | R.MTL.0XD | 6.8KΩ | 1W | | UCRTKABGL | 酸化金属被膜抵抗 | 01 |
| | R252 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | | 酸化金属被膜抵抗 | 01 |
| | R253 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | J | 酸化金属被膜抵抗 | 01 |
| | R253 | VP941700 | R.MTL.0XD | 6.8KΩ | 1W | | UCRTKABGL | 酸化金属被膜抵抗 | 01 |
| | R254 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | | 酸化金属被膜抵抗 | 01 |
| | R255 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | J | 酸化金属被膜抵抗 | 01 |
| | R255 | VP941700 | R.MTL.0XD | 6.8KΩ | 1W | | UCRTKABGL | 酸化金属被膜抵抗 | 01 |
| | R256 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | | 酸化金属被膜抵抗 | 01 |
| | R257 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | J | 酸化金属被膜抵抗 | 01 |
| | R257 | VP941700 | R.MTL.0XD | 6.8KΩ | 1W | | UCRTKABGL | 酸化金属被膜抵抗 | 01 |
| | R258 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | | 酸化金属被膜抵抗 | 01 |
| | R259 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | J | 酸化金属被膜抵抗 | 01 |
| | R259 | VP941700 | R.MTL.0XD | 6.8KΩ | 1W | | UCRTKABGL | 酸化金属被膜抵抗 | 01 |
| | R260 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | | 酸化金属被膜抵抗 | 01 |
| | R261 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | J | 酸化金属被膜抵抗 | 01 |
| | R261 | VP941700 | R.MTL.0XD | 6.8KΩ | 1W | | UCRTKABGL | 酸化金属被膜抵抗 | 01 |
| | R262 | VP941600 | R.MTL.0XD | 5.6KΩ | 1W | | | 酸化金属被膜抵抗 | 01 |
| | R263 | V3946100 | R.MTL.0XD | 2.7KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R264 | V3945100 | R.MTL.0XD | 390Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R265 | V3945500 | R.MTL.0XD | 820Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R266 | HV755100 | R.CAR.FP | 100Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R267 | V3946100 | R.MTL.0XD | 2.7KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R268 | V3945100 | R.MTL.0XD | 390Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R269 | V3945500 | R.MTL.0XD | 820Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R270 | HV755100 | R.CAR.FP | 100Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R271 | V3946100 | R.MTL.0XD | 2.7KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| * | R272 | V3944900 | R.MTL.0XD | 270Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R273 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R274 | HV755100 | R.CAR.FP | 100Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R275 | V3946100 | R.MTL.0XD | 2.7KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| * | R276 | V3944900 | R.MTL.0XD | 270Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R277 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R278 | HV755100 | R.CAR.FP | 100Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R279 | V3946100 | R.MTL.0XD | 2.7KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R280 | V3945100 | R.MTL.0XD | 390Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R281 | V3945500 | R.MTL.0XD | 820Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R282 | HV755100 | R.CAR.FP | 100Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R283 | V3946100 | R.MTL.0XD | 2.7KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R284 | V3945100 | R.MTL.0XD | 390Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R285 | V3945500 | R.MTL.0XD | 820Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R286 | HV755100 | R.CAR.FP | 100Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R287 | V3946100 | R.MTL.0XD | 2.7KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R288 | V3945100 | R.MTL.0XD | 390Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R289 | V3945500 | R.MTL.0XD | 820Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| | R290 | HV755100 | R.CAR.FP | 100Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R291 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R292 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R293 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R294 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R295 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R296 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| | R297 | V3945600 | R.MTL.0XD | 1KΩ | 1/2W | | | 酸化金属被膜抵抗 | |
| ⚠ | R298 | V3944800 | R.MTL.0XD | 220Ω | 1/2W | | | 酸化金属被膜抵抗 | |

＊New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. MAIN

| Schm Ref. | PART NO. | Description | | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| ⚠ R299 | V3944800 | R.MTL.OXD | 220Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| ⚠ R300 | V3944800 | R.MTL.OXD | 220Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| ⚠ R301 | V3944800 | R.MTL.OXD | 220Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| ⚠ R302 | V3944800 | R.MTL.OXD | 220Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| ⚠ R303 | V3944800 | R.MTL.OXD | 220Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| ⚠ R304 | V3944800 | R.MTL.OXD | 220Ω | 1/2W | | | 酸化金属被膜抵抗 | |
| R305 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R306 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R307 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R308 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R309 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R310 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R311 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R312 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R313 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R314 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R315 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R316 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R317 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R318 | VP939700 | R.MTL.FLM | 4.7Ω | 1W | | | 金属被膜抵抗 | 01 |
| R319 | V3873200 | R.WW | 0.22Ω | 3W | | | セメント抵抗 | |
| R320 | V3873200 | R.WW | 0.22Ω | 3W | | | セメント抵抗 | |
| R321 | WB279900 | R.WW | RGC55C | 0.22+0.22 | | | セメント抵抗 | |
| R322 | WB279900 | R.WW | RGC55C | 0.22+0.22 | | | セメント抵抗 | |
| R325 | V3873200 | R.WW | 0.22Ω | 3W | | | セメント抵抗 | |
| R326 | WB279900 | R.WW | RGC55C | 0.22+0.22 | | | セメント抵抗 | |
| R327 | WB279900 | R.WW | RGC55C | 0.22+0.22 | | | セメント抵抗 | |
| R349 | VP939800 | R.MTL.OXD | 10Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R350 | VP939800 | R.MTL.OXD | 10Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R351 | VP939800 | R.MTL.OXD | 10Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R352 | VP939800 | R.MTL.OXD | 10Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R353 | VP939800 | R.MTL.OXD | 10Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R354 | VP939800 | R.MTL.OXD | 10Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R355 | VP939800 | R.MTL.OXD | 10Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R363 | HV754100 | R.CAR.FP | 10Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R364 | HV754100 | R.CAR.FP | 10Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R365 | HV754100 | R.CAR.FP | 10Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R367 | HV754100 | R.CAR.FP | 10Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R371 | HV754100 | R.CAR.FP | 10Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R372 | HV754100 | R.CAR.FP | 10Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R373 | HV754100 | R.CAR.FP | 10Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R380 | VP939500 | R.MTL.FLM | 1Ω | 1W | | | 金属被膜抵抗 | |
| R381 | VP939500 | R.MTL.FLM | 1Ω | 1W | | | 金属被膜抵抗 | |
| R382 | VP939500 | R.MTL.FLM | 1Ω | 1W | | | 金属被膜抵抗 | |
| R383 | VP941000 | R.MTL.OXD | 680Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R384 | VP941000 | R.MTL.OXD | 680Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R387 | HV756100 | R.CAR.FP | 1KΩ | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R389 | HV755100 | R.CAR.FP | 100Ω | 1/4W | | | 不燃化カーボン抵抗 | 01 |
| R397 | VP941000 | R.MTL.OXD | 680Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R400 | VP941000 | R.MTL.OXD | 680Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| R401 | VP941000 | R.MTL.OXD | 680Ω | 1W | | | 酸化金属被膜抵抗 | 01 |
| ⚠ R406 | HV753100 | R.CAR.FP | 1Ω | 1/4W | | | 不燃化カーボン抵抗 | |
| ⚠ R408 | HV753100 | R.CAR.FP | 1Ω | 1/4W | | | 不燃化カーボン抵抗 | |

＊New Parts　＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. MAIN & P.C.B. POWER

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | R409 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R410 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R411 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R412 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R413 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R414 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R415 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R416 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R417 | HV753470 | R.CAR.FP | 4.7Ω 1/4W | | UCRTKABGL | 不燃化カーボン抵抗 | 01 |
| | R418 | VP941000 | R.MTL.OXD | 680Ω 1W | | | 酸化金属被膜抵抗 | 01 |
| | R421 | VP939700 | R.MTL.FLM | 4.7Ω 1W | | | 金属被膜抵抗 | 01 |
| | RY201 | V6322600 | RELAY | DC DH24D2-0T(M)-SL | | | リレー 24V | |
| | RY202 | V6322600 | RELAY | DC DH24D2-0T(M)-SL | | | リレー 24V | |
| | RY203 | V6322600 | RELAY | DC DH24D2-0T(M)-SL | | | リレー 24V | |
| | RY204 | V6322600 | RELAY | DC DH24D2-0T(M)-SL | | | リレー 24V | |
| | RY205 | V6322600 | RELAY | DC DH24D2-0T(M)-SL | | | リレー 24V | |
| | RY206 | WA544800 | RELAY | DC G5PA-28 | | | リレー 24V | |
| | TE201 | V9458800 | TERM.SP | LTS0410-3012 | | JUCRTA | スピーカーミナル 4P | |
| | TE201 | V9471000 | TERM.SP | LTS0410-3013 | | KBGL | スピーカーミナル 4P | |
| * | TE202 | WB424700 | TERM.SP | LTS0610-2011G | | JUCRTA | スピーカーミナル 6P | |
| * | TE202 | WB424800 | TERM.SP | LTS0610-2012G | | KBGL | スピーカーミナル 6P | |
| | TE203 | V8259500 | TERM.SP | LQR2411-0001G | | JUCRTA | スピーカーミナル 4P | |
| | TE203 | V8259600 | TERM.SP | LQR2411-0003G | | KBGL | スピーカーミナル 4P | |
| | TE204 | V9458900 | TERM.SP | LTS0810-1015 | | KBGL | スピーカーミナル 8P | |
| | TE204 | V9459000 | TERM.SP | LTS0810-1016 | | JUCRTA | スピーカーミナル 8P | |
| | | EP600140 | SCR.BND.HD | 3x10 MFZN2BL | | | バインドBタイトネジ | 01 |
| * | | WB723100 | P.C.B. | POWER | 2400 | J | PCBパワー | |
| * | | WB723200 | P.C.B. | POWER | 2400 | UC | PCBパワー | |
| * | | WB723300 | P.C.B. | POWER | 2400 | R | PCBパワー | |
| * | | WB723400 | P.C.B. | POWER | 2400 | TK | PCBパワー | |
| * | | WB723500 | P.C.B. | POWER | 2400 | A | PCBパワー | |
| * | | WB723600 | P.C.B. | POWER | 2400 | B | PCBパワー | |
| * | | WB723700 | P.C.B. | POWER | 2400 | G | PCBパワー | |
| * | | WB723800 | P.C.B. | POWER | 2400 | L | PCBパワー | |
| * | | WB723900 | P.C.B. | POWER | 1400,5690 | J | PCBパワー | |
| * | | WB724000 | P.C.B. | POWER | 1400,5690 | UC | PCBパワー | |
| * | | WB724100 | P.C.B. | POWER | 1400,5690 | R | PCBパワー | |
| * | | WB724300 | P.C.B. | POWER | 1400,5690 | TK | PCBパワー | |
| * | | WB724400 | P.C.B. | POWER | 1400,5690 | A | PCBパワー | |
| * | | WB724500 | P.C.B. | POWER | 1400,5690 | B | PCBパワー | |
| * | | WB724600 | P.C.B. | POWER | 1400,5690 | G | PCBパワー | |
| * | | WB724700 | P.C.B. | POWER | 1400,5690 | L | PCBパワー | |
| | CB1 | VB390300 | CN.BS.PIN | 7P | | | ベースピン | 01 |
| | CB2 | VG879900 | CN.BS.PIN | 2P | | RTKABGL | ベースピン | 01 |
| | CB3 | VG879900 | CN.BS.PIN | 2P | | | ベースピン | 01 |
| | CB4 | V9377900 | CN.BS.PIN | 4P SE VHSERIES | | RL | ベース付ポスト | |
| | CB5 | V9377800 | CN.BS.PIN | 3P SE VHSERIES | | RL | ベース付ポスト | |
| | CB6 | VP206500 | HOLDER.FUS | EYF-52BCT | | UCG | ヒューズホルダー | 01 |
| | CB7 | VP206500 | HOLDER.FUS | EYF-52BCT | | UCG | ヒューズホルダー | 01 |
| | CB8 | VP206500 | HOLDER.FUS | EYF-52BCT | | | ヒューズホルダー | 01 |

＊New Parts ＊新規部品(マーク#の部品は、基板に含まれません)

## P.C.B. POWER

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | CB9 | VP206500 | HOLDER.FUS | EYF-52BCT | | | ヒューズホルダー | 01 |
| | CB10 | VP206500 | HOLDER.FUS | EYF-52BCT | | RL | ヒューズホルダー | 01 |
| | CB11 | VP206500 | HOLDER.FUS | EYF-52BCT | | RL | ヒューズホルダー | 01 |
| | CB22 | VQ044900 | CN.BS.PIN | 19P | | | ＦＦＣコネクター | |
| | CB23 | V7828100 | SOCKET | 14P TE TUC SERIES | | | コネクターソケット | |
| | CB24 | LB919100 | CN.BS.PIN | 10P SE XH | | | ベースツキポスト | |
| | CB25 | VB858200 | CN.BS.PIN | 3P | | | ベースピン | 01 |
| | CB28 | VB858200 | CN.BS.PIN | 3P | | | ベースピン | 01 |
| | CB29 | V7827400 | SOCKET | 7P TE TUC SERIES | | | コネクターソケット | |
| | CB30 | VB858700 | CN.BS.PIN | 8P | | | ベースピン | 01 |
| | CB31 | VN066500 | CN.BS.PIN | 12P | | UCA | コネクター | 01 |
| | CB32 | VB389900 | CN.BS.PIN | 3P | | | ベースピン | 01 |
| * | C1 | UR239330 | C.EL | 3300uF 16V | | | ケミコン | |
| * | C2 | UR267100 | C.EL | 10uF 50V | | RL | ケミコン | |
| * | C3 | UR237330 | C.EL | 33uF 16V | | | ケミコン | |
| * | C4 | UR297100 | C.EL | 10uF 100V | | RL | ケミコン | |
| * | C5 | UR267100 | C.EL | 10uF 50V | | RL | ケミコン | |
| | C6 | VL884600 | C.PP | 0.01uF 100V | | JUCTKABG | ＰＰコン | 03 |
| | C7 | UA654100 | C.MYLAR | 0.01uF 50V | | RL | マイラーコン | 01 |
| | C8 | UA654100 | C.MYLAR | 0.01uF 50V | | RL | マイラーコン | 01 |
| | C9 | V6185300 | C.CE.SAFTY | 0.01uF 275V | | | 規格認定コン | |
| | C10 | UA654100 | C.MYLAR | 0.01uF 50V | | | マイラーコン | 01 |
| | C11 | UA654100 | C.MYLAR | 0.01uF 50V | | | マイラーコン | 01 |
| | C21 | V8584600 | C.PP | 220pF 630V | | | ＰＰコン | |
| * | C22 | UR218220 | C.EL | 220uF 6.3V | | | ケミコン | |
| * | C23 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C24 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C25 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C26 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C27 | UR219100 | C.EL | 1000uF 6.3V | | | ケミコン | |
| * | C28 | UR219100 | C.EL | 1000uF 6.3V | | | ケミコン | |
| * | C29 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C30 | UR297220 | C.EL | 22uF 100V | | | ケミコン | |
| * | C31 | UR297220 | C.EL | 22uF 100V | | | ケミコン | |
| | C32 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C33 | UA652220 | C.MYLAR | 220pF 50V | | | マイラーコン | 01 |
| | C34 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C35 | UA652220 | C.MYLAR | 220pF 50V | | | マイラーコン | 01 |
| * | C36 | UT952100 | C.PP | 100pF 100V | | | ＰＰコン | |
| * | C37 | UT952220 | C.PP | 220pF 100V | | | ＰＰコン | |
| * | C38 | UR297220 | C.EL | 22uF 100V | | | ケミコン | |
| * | C39 | UR297100 | C.EL | 10uF 100V | | | ケミコン | |
| | C40 | UA653220 | C.MYLAR | 2200pF 50V | | | マイラーコン | 01 |
| | C41 | UA653220 | C.MYLAR | 2200pF 50V | | | マイラーコン | 01 |
| | C42 | VP847100 | C.PP | 2200pF 100V | | | ＰＰコン | 01 |
| * | C43 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C44 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| * | C45 | UR267470 | C.EL | 47uF 50V | | | ケミコン | |
| | C46 | FU451220 | C.MICA | 22pF 500V | | | マイカコン | 01 |
| | C47 | FU451220 | C.MICA | 22pF 500V | | | マイカコン | 01 |
| | C48 | FU451220 | C.MICA | 22pF 500V | | | マイカコン | 01 |
| * | C49 | UR266470 | C.EL | 4.7uF 50V | | | ケミコン | |
| | C50 | VR324900 | C.MYLAR | 0.1uF 100V | | | マイラーコン | 01 |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. POWER

| | Schm Ref. | PART NO. | Description | | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|---|
| | C51 | VR324900 | C.MYLAR | 0.1uF | 100V | | | マイラーコン | 01 |
| | C52 | VR324900 | C.MYLAR | 0.1uF | 100V | | | マイラーコン | 01 |
| | C53 | VR324900 | C.MYLAR | 0.1uF | 100V | | | マイラーコン | 01 |
| * | C54 | UR049680 | C.EL | 6800uF | 25V | | | ケミコン | |
| * | C55 | UR149330 | C.EL | 3300uF | 25V | | | ケミコン | |
| * | C56 | UR03A100 | C.EL | 10000uF | 16V | | | ケミコン | |
| * | C57 | UR03A100 | C.EL | 10000uF | 16V | | | ケミコン | |
| * | C58 | UR03A100 | C.EL | 10000uF | 16V | | | ケミコン | |
| * | C59 | UR03A100 | C.EL | 10000uF | 16V | | | ケミコン | |
| * | C60 | UR03A100 | C.EL | 10000uF | 16V | | | ケミコン | |
| * | C61 | UR03A100 | C.EL | 10000uF | 16V | | | ケミコン | |
| * | C62 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C63 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C64 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C65 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C66 | UR247100 | C.EL | 10uF | 25V | | | ケミコン | |
| * | C67 | UR247100 | C.EL | 10uF | 25V | | | ケミコン | |
| * | C68 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C69 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C70 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C71 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C72 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C73 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C75 | UR238100 | C.EL | 100uF | 16V | | | ケミコン | |
| * | C78 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C79 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C80 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C81 | UT952100 | C.PP | 100pF | 100V | | | ＰＰコン | |
| * | C82 | UT952100 | C.PP | 100pF | 100V | | | ＰＰコン | |
| * | C83 | UT952220 | C.PP | 220pF | 100V | | | ＰＰコン | |
| * | C84 | UT952220 | C.PP | 220pF | 100V | | | ＰＰコン | |
| * | C85 | UR268100 | C.EL | 100uF | 50V | | | ケミコン | |
| * | C86 | UR268100 | C.EL | 100uF | 50V | | | ケミコン | |
| | C87 | VP847100 | C.PP | 2200pF | 100V | | | ＰＰコン | 01 |
| | C88 | VP847100 | C.PP | 2200pF | 100V | | | ＰＰコン | 01 |
| | C89 | FU451220 | C.MICA | 22pF | 500V | | | マイカコン | 01 |
| | C90 | FU451220 | C.MICA | 22pF | 500V | | | マイカコン | 01 |
| * | C91 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| * | C92 | UR237100 | C.EL | 10uF | 16V | | | ケミコン | |
| | C93 | UA652100 | C.MYLAR | 100pF | 50V | | | マイラーコン | 01 |
| | C94 | UA652100 | C.MYLAR | 100pF | 50V | | | マイラーコン | 01 |
| | C95 | UA652220 | C.MYLAR | 220pF | 50V | | | マイラーコン | 01 |
| | C96 | UA652220 | C.MYLAR | 220pF | 50V | | | マイラーコン | 01 |
| * | C97 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| * | C98 | UR267470 | C.EL | 47uF | 50V | | | ケミコン | |
| | C99 | UA653220 | C.MYLAR | 2200pF | 50V | | | マイラーコン | 01 |
| | C100 | UA653220 | C.MYLAR | 2200pF | 50V | | | マイラーコン | 01 |
| | C101 | FU451220 | C.MICA | 22pF | 500V | | | マイカコン | 01 |
| | C102 | FU451220 | C.MICA | 22pF | 500V | | | マイカコン | 01 |
| | C103 | VF467000 | C.CE.TUBLR | 1000pF | 50V | | UCA | 円筒セラコン | 01 |
| | C104 | VF467000 | C.CE.TUBLR | 1000pF | 50V | | UCA | 円筒セラコン | 01 |
| | C105 | VF467000 | C.CE.TUBLR | 1000pF | 50V | | UCA | 円筒セラコン | 01 |
| | C106 | VF467000 | C.CE.TUBLR | 1000pF | 50V | 2400 | UCA | 円筒セラコン | 01 |

＊New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. POWER

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | C107 | VF467300 | C.CE.TUBLR | 0.01uF 16V | | UCA | 円筒セラコン | 01 |
| | C108 | VF467300 | C.CE.TUBLR | 0.01uF 16V | | UCA | 円筒セラコン | 01 |
| | C109 | VF467300 | C.CE.TUBLR | 0.01uF 16V | 2400 | UCA | 円筒セラコン | 01 |
| | C110 | VJ599100 | C.CE.TUBLR | 0.1uF 50V | 2400 | UCA | 円筒セラコン | 01 |
| | C111 | VF466700 | C.CE.TUBLR | 47pF 50V | 2400 | UCA | 円筒セラコン | 01 |
| | C112 | VF466700 | C.CE.TUBLR | 47pF 50V | 2400 | UCA | 円筒セラコン | 01 |
| | C113 | VF466700 | C.CE.TUBLR | 47pF 50V | 2400 | UCA | 円筒セラコン | 01 |
| * | C114 | UR268100 | C.EL | 100uF 50V | | | ケミコン | |
| * | C115 | UR267100 | C.EL | 10uF 50V | | | ケミコン | |
| * | C116 | UR267100 | C.EL | 10uF 50V | | | ケミコン | |
| * | C117 | UR258470 | C.EL | 470uF 35V | | | ケミコン | |
| | C118 | UA652220 | C.MYLAR | 220pF 50V | | | マイラーコン | 01 |
| | D1 | VG437300 | DIODE.ZENR | MTZJ5.1A 5.1V | | | ツェナーダイオード | 01 |
| | D2 | VD631600 | DIODE | 1SS133,176 | | RL | ダイオード | 01 |
| | D3 | VG439500 | DIODE.ZENR | MTZJ10B 10V | | RL | ツェナーダイオード | 01 |
| | D4 | VG438100 | DIODE.ZENR | MTZJ6.2C 6.2V | | RL | ツェナーダイオード | 01 |
| | D5 | VS997800 | DIODE | 1T2 | | RL | ダイオード | |
| | D6 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D7 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| | D8 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| | D9 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| | D10 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| | D11 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D21 | VG437200 | DIODE.ZENR | MTZJ4.7C 4.7V | | | ツェナーダイオード | 01 |
| | D22 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D23 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D24 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D25 | VG440300 | DIODE.ZENR | MTZJ12C 12V | | | ツェナーダイオード | 01 |
| | D26 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D27 | VG441200 | DIODE.ZENR | MTZJ16C 16V | | | ツェナーダイオード | 01 |
| | D28 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D29 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| | D30 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| | D31 | WA180300 | DIODE | 1SS244 | | | ダイオード | |
| ⚠ | D32 | V4269600 | DIODE.BRG | D2SBA20 1.5A 200V | | | ダイオードブリッジ | |
| ⚠ | D33 | V4269600 | DIODE.BRG | D2SBA20 1.5A 200V | | | ダイオードブリッジ | |
| | D34 | VG441000 | DIODE.ZENR | MTZJ16A 16V | | J | ツェナーダイオード | 01 |
| | D34 | VG443200 | DIODE.ZENR | MTZJ30A 30V | | UCRTKABGL | ツェナーダイオード | |
| | D34 | VG443200 | DIODE.ZENR | MTZJ30A 30V | | UCRTKABGL | ツェナーダイオード | 01 |
| | D35 | VG439300 | DIODE.ZENR | MTZJ9.1C 9.1V | | J | ツェナーダイオード | 01 |
| | D35 | VG440700 | DIODE.ZENR | MTZJ15A 15V | | UCRTKABGL | ツェナーダイオード | |
| | D36 | VG435900 | DIODE.ZENR | MTZJ3.0B 3.0V | | | ツェナーダイオード | 01 |
| | D37 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D38 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D39 | VD631600 | DIODE | 1SS133,176 | | | ダイオード | 01 |
| | D44 | VD631600 | DIODE | 1SS133,176 | | UCA | ダイオード | 01 |
| | D45 | VD631600 | DIODE | 1SS133,176 | 2400 | UCA | ダイオード | 01 |
| | D46 | VD631600 | DIODE | 1SS133,176 | | UCA | ダイオード | 01 |
| | D47 | VD631600 | DIODE | 1SS133,176 | | UCA | ダイオード | 01 |
| | D48 | VD631600 | DIODE | 1SS133,176 | | UCA | ダイオード | 01 |
| | D49 | VD631600 | DIODE | 1SS133,176 | 2400 | UCA | ダイオード | 01 |
| | D50 | VG442600 | DIODE.ZENR | MTZJ24C 24V | | | ツェナーダイオード | 01 |
| | D51 | VG438700 | DIODE.ZENR | MTZJ7.5C 7.5V | | UCRTKABGL | ツェナーダイオード | 01 |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. POWER

| Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|
| D52 | VD631600 | DIODE | 1SS133,176 | | UCRTKABGL | ダイオード | 01 |
| D53 | VD631600 | DIODE | 1SS133,176 | | UCRTKABGL | ダイオード | 01 |
| D54 | VS997800 | DIODE | 1T2 | | | ダイオード | |
| F1 | VS823400 | FUSE | 10A 125V | | JUCRL | ヒユーズ | |
| F1 | KB003240 | FUSE | T5.0A 250V | | TKABGL | ヒューズ | |
| F2 | VS823400 | FUSE | 10A 125V | | UCG | ヒユーズ | 01 |
| F2 | VS823400 | FUSE | 10A 125V | | UC | ヒユーズ | |
| F2 | VT942900 | FUSE | T2.5A 250V | | G | ヒユーズ | |
| ⚠ F3 | KB003240 | FUSE | T5.0A 250V | | RL | ヒューズ | |
| ⚠ IC21 | XJ607A00 | IC | NJM7805FA 5V | | | ＩＣ | 02 |
| ⚠ IC22 | XJ607A00 | IC | NJM7805FA 5V | | | ＩＣ | 02 |
| ⚠ IC23 | XJ608A00 | IC | NJM7812FA | | | ＩＣ | 02 |
| ⚠ IC24 | XD343A00 | IC | NJM79M12FA | | | ＩＣ | 03 |
| ⚠ IC25 | XJ607A00 | IC | NJM7805FA 5V | | | ＩＣ | 02 |
| ⚠ IC26 | XE436A00 | IC | NJM79M05FA | | | ＩＣ | 03 |
| JK1 | VS867300 | CN | 4P YKF51-5501 | | UCA | ミニＤＩＮコネクタ | |
| JK2 | V9435700 | JACK.MNI | MSJ-035-12APC | | UCA | モノラル ミニジャック | |
| JK3 | V9435700 | JACK.MNI | MSJ-035-12APC | | UCA | モノラル ミニジャック | |
| JK4 | V9435700 | JACK.MNI | MSJ-035-12APC | | UCA | モノラル ミニジャック | |
| JK5 | V9435700 | JACK.MNI | MSJ-035-12APC | | UCA | モノラル ミニジャック | |
| JK6 | V9435700 | JACK.MNI | MSJ-035-12APC | | UCA | モノラル ミニジャック | |
| JK7 | V9435700 | JACK.MNI | MSJ-035-12APC | | UCA | モノラル ミニジャック | |
| PJ1 | VN134600 | JACK.PIN | 1P | | UCA | ピンジャック | |
| Q1 | VC938500 | TR | 2SC3852 | | RL | トランジスタ | 02 |
| Q2 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| Q3 | VC938500 | TR | 2SC3852 | | RL | トランジスタ | 02 |
| Q4 | iE102620 | FET | 2SK246 Y | | RL | ＦＥＴ | |
| Q5 | iE102620 | FET | 2SK246 Y | | RL | ＦＥＴ | |
| Q6 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| ⚠ Q21 | V4096100 | TR | 2SC4614 S,T | | | トランジスタ | |
| Q22 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| ⚠ Q23 | VC938500 | TR | 2SC3852 | | | トランジスタ | 02 |
| Q24 | VP883000 | TR | 2SA893A D,E | | | トランジスタ | |
| ⚠ Q25 | VC614000 | TR | 2SB1274 Q,R,S | | | トランジスタ | 02 |
| Q26 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q27 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q28 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q29 | VP883000 | TR | 2SA893A D,E | | | トランジスタ | |
| Q30 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q31 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q32 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q33 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q34 | V3966800 | TR | 2SB949 O,Y | | | トランジスタ | |
| Q35 | V3966800 | TR | 2SB949 O,Y | | | トランジスタ | |
| Q36 | V3966800 | TR | 2SB949 O,Y | | | トランジスタ | |
| Q37 | iA097030 | TR | 2SA970 GR,BL | | | トランジスタ | 01 |
| ⚠ Q38 | VC938500 | TR | 2SC3852 | | | トランジスタ | 02 |
| Q39 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q40 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q41 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q42 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| Q43 | V3966800 | TR | 2SB949 O,Y | | | トランジスタ | |
| Q44 | V3966800 | TR | 2SB949 O,Y | | | トランジスタ | |

＊New Parts ＊新規部品（マーク#の部品は、基板に含まれません）

# P.C.B. POWER

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | Q45 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| | Q46 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| ⚠ | Q47 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| | Q48 | VP883100 | TR | 2SC1890A D,E | | | トランジスタ | 01 |
| | Q49 | V3966800 | TR | 2SB949 O,Y | | | トランジスタ | |
| | Q50 | V3966800 | TR | 2SB949 O,Y | | | トランジスタ | |
| | Q51 | VP872600 | TR | 2SA1708 S,T | | UCA | トランジスタ | |
| | Q52 | VP872600 | TR | 2SA1708 S,T | | UCA | トランジスタ | |
| | Q53 | VG722000 | TR.DGT | DTC144ES | | UCA | デジタルトランジスタ | 03 |
| | Q54 | VG722000 | TR.DGT | DTC144ES | | UCA | デジタルトランジスタ | 03 |
| | Q55 | VC141900 | TR | 2SB941 P,Q | | | トランジスタ | 02 |
| | Q56 | iC1815I0 | TR | 2SC1815 Y | | | トランジスタ | 01 |
| | Q57 | VP883100 | TR | 2SC1890A D,E | | UCRTKABGL | トランジスタ | 01 |
| | R8 | V6730000 | R.CAR. | 2.2MΩ 1/2W | | UC | 放電抵抗 | |
| | R28 | HV756150 | R.CAR.FP | 1.5KΩ 1/4W | | | 不燃化カーボン抵抗 | |
| ⚠ | R47 | HV754100 | R.CAR.FP | 10Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| ⚠ | R49 | HV754100 | R.CAR.FP | 10Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R50 | V8072000 | R.MTL.OXD | 4.7KΩ 1W | | | 酸化金属被膜抵抗 | |
| | R67 | HV754470 | R.CAR.FP | 47Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R68 | HV754470 | R.CAR.FP | 47Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R69 | VP940200 | R.MTL.OXD | 47Ω 1W | | | 酸化金属被膜抵抗 | 01 |
| ⚠ | R89 | VP939500 | R.MTL.FLM | 1Ω 1W | | | 金属被膜抵抗 | |
| ⚠ | R91 | VP939500 | R.MTL.FLM | 1Ω 1W | | | 金属被膜抵抗 | |
| ⚠ | R92 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| ⚠ | R93 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| ⚠ | R94 | VP939500 | R.MTL.FLM | 1Ω 1W | | | 金属被膜抵抗 | |
| ⚠ | R95 | VP939500 | R.MTL.FLM | 1Ω 1W | | | 金属被膜抵抗 | |
| * ⚠ | R103 | VC756700 | R.MTL.OXD | 15Ω 2W | | | 酸化金属被膜抵抗 | 01 |
| * ⚠ | R104 | VC756700 | R.MTL.OXD | 15Ω 2W | | | 酸化金属被膜抵抗 | 01 |
| | R125 | VP940200 | R.MTL.OXD | 47Ω 1W | | | 酸化金属被膜抵抗 | 01 |
| | R126 | VP940200 | R.MTL.OXD | 47Ω 1W | | | 酸化金属被膜抵抗 | 01 |
| | R153 | HV754470 | R.CAR.FP | 47Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R154 | HV754470 | R.CAR.FP | 47Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R177 | HV754100 | R.CAR.FP | 10Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R179 | HV756330 | R.CAR.FP | 3.3KΩ 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R181 | HV756470 | R.CAR.FP | 4.7KΩ 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R182 | HV755100 | R.CAR.FP | 100Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R183 | VP939800 | R.MTL.OXD | 10Ω 1W | | | 酸化金属被膜抵抗 | 01 |
| | RY1 | V9366900 | RELAY | DLS9D1-O(M)0.25W | | | リレー 9V TV-8 | |
| | ST1 | V4040500 | SCR.TERM | M3 | | | スクリュー/ターミナル | |
| | ST2 | V4040500 | SCR.TERM | M3 | | | スクリュー/ターミナル | |
| | ST3 | V4040500 | SCR.TERM | M3 | | | スクリュー/ターミナル | |
| | ST4 | V4040500 | SCR.TERM | M3 | | UCA | スクリュー/ターミナル | |
| | ST5 | V4040500 | SCR.TERM | M3 | | UCA | スクリュー/ターミナル | |
| * | SW1 | WB493700 | VOLT.SELCT | R8140246 | | RL | 電圧切替器 | |
| | T1 | X2935A00 | TRANS | | | J | サブトランス | |
| | T1 | X2936A00 | TRANS | | | UC | サブトランス | |
| | T1 | X2937A00 | TRANS | | | RL | サブトランス | |
| * | T1 | X4452A00 | TRANS | | | TK | サブトランス | |
| | T1 | X2938A00 | TRANS | | | A | サブトランス | |
| | T1 | X2939A00 | TRANS | | | BG | サブトランス | |
| | TE1 | VU543100 | OUTLET.AC | 2P | | JUC | ACアウトレット | |
| | TE1 | V5867400 | OUTLET.AC | 2P AC-182-GB-11V | | RTK | ACアウトレット 2P | |

※ New Parts ＊ 新規部品(マーク#の部品は、基板に含まれません)

## P.C.B. POWER & P.C.B. VIDEO

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | TE1 | VT915000 | OUTLET.AC | 1P | | A | ＡＣアウトレット | |
| | TE1 | VU543300 | OUTLET.AC | 1P | | B | ＡＣアウトレット | |
| | TE1 | VU543400 | OUTLET.AC | 2P | | GL | ＡＣアウトレット | |
| * | TE2 | WB782600 | AC INLET | R-30190(26) | | JUCG | ＡＣインレット　２Ｐ | |
| * | TE2 | WB893300 | AC INLET | R-30190 | | J | ＡＣインレット　２Ｐ | |
| * | TE2 | WB782600 | AC INLET | R-30190(26) | | UCG | ＡＣインレット　２Ｐ | |
| | | EP600140 | SCR.BND.HD | 3x10 MFZN2BL | | | バインドＢタイトネジ | 01 |
| * | | WB727300 | P.C.B. | VIDEO | 2400 | J | ＰＣＢ　ビデオ | |
| * | | WB727400 | P.C.B. | VIDEO | 2400 | UC | ＰＣＢ　ビデオ | |
| * | | WB727500 | P.C.B. | VIDEO | 2400 | R | ＰＣＢ　ビデオ | |
| * | | WB727600 | P.C.B. | VIDEO | 2400 | T | ＰＣＢ　ビデオ | |
| * | | WB727800 | P.C.B. | VIDEO | 2400 | K | ＰＣＢ　ビデオ | |
| * | | WB727900 | P.C.B. | VIDEO | 2400 | A | ＰＣＢ　ビデオ | |
| * | | WB728000 | P.C.B. | VIDEO | 2400 | BG | ＰＣＢ　ビデオ | |
| * | | WB728100 | P.C.B. | VIDEO | 2400 | L | ＰＣＢ　ビデオ | |
| * | | WB728200 | P.C.B. | VIDEO | 1400,5690 | J | ＰＣＢビデオ | |
| * | | WB728300 | P.C.B. | VIDEO | 1400,5690 | UC | ＰＣＢビデオ | |
| * | | WB728400 | P.C.B. | VIDEO | 1400,5690 | R | ＰＣＢビデオ | |
| * | | WB728500 | P.C.B. | VIDEO | 1400,5690 | T | ＰＣＢビデオ | |
| * | | WB728600 | P.C.B. | VIDEO | 1400,5690 | K | ＰＣＢビデオ | |
| * | | WB728700 | P.C.B. | VIDEO | 1400,5690 | A | ＰＣＢビデオ | |
| * | | WB728800 | P.C.B. | VIDEO | 1400,5690 | BG | ＰＣＢビデオ | |
| * | | WB728900 | P.C.B. | VIDEO | 1400,5690 | L | ＰＣＢビデオ | |
| | CB501 | V7827800 | SOCKET | 11P SE TUC SERIES | | | コネクターソケット | |
| | CB502 | V7827800 | SOCKET | 11P SE TUC SERIES | | | コネクターソケット | |
| | CB541 | V7826100 | CN | 11P TE TUC SERIES | | | コネクタープラグ | |
| | CB542 | V7827800 | SOCKET | 11P SE TUC SERIES | | | コネクターソケット | |
| | CB543 | V7826100 | CN | 11P TE TUC SERIES | | | コネクタープラグ | |
| | CB544 | V7827800 | SOCKET | 11P SE TUC SERIES | | | コネクターソケット | |
| * | CB551 | V7826700 | CN | 17P TE TUC SERIES | | | コネクタープラグ | |
| | CB552 | V7826800 | CN | 18P TE TUC SERIES | | | コネクタープラグ | |
| | CB553 | V7826200 | CN | 12P TE TUC SERIES | | | コネクタープラグ | |
| | CB554 | VQ044300 | CN.BS.PIN | 7P | | | ＦＦＣコネクター | |
| | CB555 | VN066500 | CN.BS.PIN | 12P | | UCA | コネクター | 01 |
| | CB556 | V7826000 | CN | 10P TE TUC SERIES | | | コネクタープラグ | |
| | CB557 | V7826200 | CN | 12P TE TUC SERIES | | | コネクタープラグ | |
| | CB558 | VM929900 | CN.BS.PIN | 15P | | | ＦＰＣコネクター | 01 |
| | CB601 | V7827200 | SOCKET | 5P TE TUC SERIES | | | コネクターソケット | |
| | CB602 | V7827900 | SOCKET | 12P TE TUC SERIES | | | コネクターソケット | |
| | CB603 | VQ044300 | CN.BS.PIN | 7P | | | ＦＦＣコネクター | |
| | CB605 | V7828000 | SOCKET | 13P SE TUC SERIES | | | コネクターソケット | |
| | CB701 | V7827900 | SOCKET | 12P TE TUC SERIES | | | コネクターソケット | |
| | CB702 | V7828000 | SOCKET | 13P SE TUC SERIES | | | コネクターソケット | |
| | CB751 | V7826300 | CN | 13P TE TUC SERIES | | | コネクタープラグ | |
| | CB752 | V7826300 | CN | 13P TE TUC SERIES | | | コネクタープラグ | |
| | CB761 | V7825500 | CN | 5P TE TUC SERIES | | | コネクタープラグ | |
| | CB762 | V7825500 | CN | 5P TE TUC SERIES | | | コネクタープラグ | |
| | CB801 | VQ044300 | CN.BS.PIN | 7P | | | ＦＦＣコネクター | |
| | CB802 | LB919030 | CN.BS.PIN | 3P | | | ベース付ポスト | 01 |
| | CB803 | VQ044600 | CN.BS.PIN | 13P | | | ＦＦＣコネクター | |

＊New Parts　＊新規部品(マーク#の部品は、基板に含まれません)

# P.C.B. VIDEO

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | CB804 | V6509500 | SOCKET | 9P SE 3170 | 2400 | | コネクターソケット | |
| | C503 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C504 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C505 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C506 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C507 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C508 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C509 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C510 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C511 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C512 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C513 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C514 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C515 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C516 | UA652100 | C.MYLAR | 100pF 50V | | | マイラーコン | 01 |
| | C517 | UA652470 | C.MYLAR | 470pF 50V | | UCA | マイラーコン | 01 |
| | C518 | UA652470 | C.MYLAR | 470pF 50V | | UCA | マイラーコン | 01 |
| | C519 | UA652470 | C.MYLAR | 470pF 50V | | UCA | マイラーコン | 01 |
| | C520 | UA652470 | C.MYLAR | 470pF 50V | | UCA | マイラーコン | 01 |
| * | C551 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C552 | UR266220 | C.EL | 2.2uF 50V | | | ケミコン | |
| * | C553 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C554 | UR237470 | C.EL | 47uF 16V | | BG | ケミコン | |
| * | C555 | UR237470 | C.EL | 47uF 16V | | BG | ケミコン | |
| * | C556 | UR237470 | C.EL | 47uF 16V | | BG | ケミコン | |
| * | C601 | UR219100 | C.EL | 1000uF 6.3V | | | ケミコン | |
| * | C602 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C603 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C604 | UR237470 | C.EL | 47uF 16V | 2400 | UCA | ケミコン | |
| * | C605 | UR266470 | C.EL | 4.7uF 50V | | | ケミコン | |
| * | C606 | UR266470 | C.EL | 4.7uF 50V | | | ケミコン | |
| * | C607 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C608 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C609 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C610 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C611 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C612 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C613 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C614 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C615 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C616 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C617 | UR266100 | C.EL | 1uF 50V | | | ケミコン | |
| * | C618 | UR266100 | C.EL | 1uF 50V | | | ケミコン | |
| * | C619 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C620 | UR266470 | C.EL | 4.7uF 50V | | | ケミコン | |
| * | C621 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C622 | UR218330 | C.EL | 330uF 6.3V | | | ケミコン | |
| * | C661 | UR266470 | C.EL | 4.7uF 50V | | | ケミコン | |
| * | C701 | UR219100 | C.EL | 1000uF 6.3V | | | ケミコン | |
| * | C702 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C703 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C704 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C705 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. VIDEO

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * | C706 | UR237470 | C.EL | 47uF 16V | 2400 | UCA | ケミコン | |
| * | C707 | UR218100 | C.EL | 100uF 6.3V | | | ケミコン | |
| * | C708 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C801 | UR237470 | C.EL | 47uF 16V | 2400 | | ケミコン | |
| | C807 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C808 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C809 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C810 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C811 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C812 | VE326800 | C.MYLAR.ML | 0.47uF 50V | | | 積層マイラーコン | 01 |
| | C813 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | C814 | UA652470 | C.MYLAR | 470pF 50V | | | マイラーコン | 01 |
| | D551 | VU172000 | DIODE.ZENR | UDZS5.6BTE-17 5.6V | | | ツェナーダイオード | 01 |
| | D601 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D602 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D603 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D604 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D605 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D606 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D607 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D608 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D609 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D611 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D612 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | IC551 | X2896A00 | IC.CPU | M62320FP I/O PORT | | | ＣＰＵ／周辺ＩＣ | |
| | IC552 | XY534A00 | IC | LC72722 | | BG | ＲＤＳデコーダＩＣ | |
| | IC601 | XW939A00 | IC | TK15420M VIDEO AMP | | | アンプＩＣ ＳＯＰ | |
| | IC602 | XY550A00 | IC | MM74HC4051SJX | | | ロジックＩＣＳＯＰ | |
| | IC603 | XY550A00 | IC | MM74HC4051SJX | | | ロジックＩＣＳＯＰ | |
| | IC604 | XY550A00 | IC | MM74HC4051SJX | 2400 | | ロジックＩＣＳＯＰ | |
| | IC605 | XY550A00 | IC | MM74HC4051SJX | 2400 | | ロジックＩＣＳＯＰ | |
| | IC606 | XY877A00 | IC | MM74HC4053SJX | 2400 | UCA | ロジックＩＣ ＳＯＰ | |
| | IC607 | XY877A00 | IC | MM74HC4053SJX | | | ロジックＩＣ ＳＯＰ | |
| | IC608 | XD598A00 | IC | TC74HCU04AFEL INV | | | ロジックＩＣ | |
| | IC609 | XY443A00 | IC | LA7109 6CH | | | アンプＩＣ ＳＯＰ | |
| | IC610 | XY877A00 | IC | MM74HC4053SJX | | | ロジックＩＣ ＳＯＰ | |
| | IC611 | XZ060A00 | IC | LC74781-9798 | | | ＩＣ ＳＤＩＰ | |
| | IC612 | XW939A00 | IC | TK15420M VIDEO AMP | | | アンプＩＣ ＳＯＰ | |
| | IC701 | XW911A00 | IC | LA7108M VIDEO AMP | | | アンプＩＣ | |
| | IC702 | XY877A00 | IC | MM74HC4053SJX | 2400 | UCA | ロジックＩＣ ＳＯＰ | |
| | IC703 | XY550A00 | IC | MM74HC4051SJX | | | ロジックＩＣＳＯＰ | |
| | IC704 | XY550A00 | IC | MM74HC4051SJX | 2400 | | ロジックＩＣＳＯＰ | |
| | IC705 | XW416A00 | IC | BU2092 SER/PAR | | | ロジックＩＣ | |
| | IC801 | XW863A00 | IC | ADM202JRN-REEL7 | 2400 | | ＩＣ | |
| | JK601 | VR406200 | CN.DIN | 4P YKF51-5526 | 2400 | J | ＤＩＮコネクタ | 02 |
| | JK601 | VS867300 | CN.DIN | 4P YKF51-5501 | 2400 | UCRTKABGL | ＤＩＮコネクタ | |
| | JK601 | VS867300 | CN.DIN | 4P YKF51-5501 | 1400,5690 | | ＤＩＮコネクタ | 03 |
| | JK602 | V9248800 | CN.DIN | 2P YKF51-5604 | 2400 | J | ＤＩＮコネクタ２Ｐ | |
| | JK602 | V9273500 | CN.DIN | 2P YKF51-5605 | 2400 | UCRTKABGL | ＤＩＮコネクタ２Ｐ | |
| | JK602 | V9273500 | CN.DIN | 2P YKF51-5605 | 1400,5690 | | ＤＩＮコネクタ２Ｐ | |
| | JK603 | V9248800 | CN.DIN | 2P YKF51-5604 | 2400 | J | ＤＩＮコネクタ２Ｐ | |
| | JK603 | V9273500 | CN.DIN | 2P YKF51-5605 | 2400 | UCRTKABGL | ＤＩＮコネクタ２Ｐ | |
| | JK603 | V9273500 | CN.DIN | 2P YKF51-5605 | 1400,5690 | | ＤＩＮコネクタ２Ｐ | |

＊New Parts ＊新規部品（マーク#の部品は、基板に含まれません）

# P.C.B. VIDEO

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | JK604 | V9248800 | CN.DIN | 2P YKF51-5604 | 2400 | J | ＤＩＮコネクタ２Ｐ | |
| | JK604 | V9273500 | CN.DIN | 2P YKF51-5605 | 2400 | UCRTKABGL | ＤＩＮコネクタ２Ｐ | |
| | JK604 | V9273500 | CN.DIN | 2P YKF51-5605 | 1400,5690 | | ＤＩＮコネクタ２Ｐ | |
| | JK605 | V9248800 | CN.DIN | 2P YKF51-5604 | 2400 | J | ＤＩＮコネクタ２Ｐ | |
| | JK605 | V9273500 | CN.DIN | 2P YKF51-5605 | 2400 | UCRTKABGL | ＤＩＮコネクタ２Ｐ | |
| | JK605 | V9273500 | CN.DIN | 2P YKF51-5605 | 1400,5690 | | ＤＩＮコネクタ２Ｐ | |
| | PJ501 | V5634800 | JACK.PIN | 6P | 2400 | J | ピンジャック | |
| | PJ501 | V7046800 | JACK.PIN | 6P MSP-246V1-01NI | 2400 | UCRTKABGL | ピンジャック 6Ｐ | |
| | PJ501 | V7046800 | JACK.PIN | 6P MSP-246V1-01NI | 1400,5690 | | ピンジャック 6Ｐ | |
| | PJ502 | V9796700 | JACK.PIN | 4P MSP-244V1-03 GI | 2400 | J | ピンジャック 4Ｐ | |
| | PJ502 | V7046700 | JACK.PIN | 4P MSP-244V1-01NI | 2400 | UCRTKABGL | ピンジャック 4Ｐ | |
| | PJ502 | V7046700 | JACK.PIN | 4P MSP-244V1-01NI | 1400,5690 | | ピンジャック 4Ｐ | |
| | PJ503 | V9796700 | JACK.PIN | 4P MSP-244V1-03 GI | 2400 | J | ピンジャック 4Ｐ | |
| | PJ503 | V7046700 | JACK.PIN | 4P MSP-244V1-01NI | 2400 | UCRTKABGL | ピンジャック 4Ｐ | |
| | PJ503 | V7046700 | JACK.PIN | 4P MSP-244V1-01NI | 1400,5690 | | ピンジャック 4Ｐ | |
| | PJ504 | V7046700 | JACK.PIN | MSP-244V1-01NI | | UCA | ピンジャック 4Ｐ | |
| | PJ701 | VU144200 | JACK.PIN | 1P | 2400 | J | ピンジャック | |
| | PJ701 | VN134600 | JACK.PIN | 1P | 2400 | UCRTKABGL | ピンジャック | |
| | PJ701 | VN134600 | JACK.PIN | 1P | 1400,5690 | | ピンジャック | 01 |
| * | PJ702 | V9626000 | JACK.PIN | RJ-1078-04-0551A | 2400 | J | ピンジャック 2Ｐ | |
| | PJ702 | VV325000 | JACK.PIN | 2P | 2400 | UCRTKABGL | ピンジャック | |
| | PJ702 | VV325000 | JACK.PIN | 2P | 1400,5690 | | ピンジャック | 03 |
| * | PJ703 | V9626000 | JACK.PIN | RJ-1078-04-0551A | 2400 | J | ピンジャック 2Ｐ | |
| | PJ703 | VV325000 | JACK.PIN | 2P | 2400 | UCRTKABGL | ピンジャック | |
| | PJ703 | VV325000 | JACK.PIN | 2P | 1400,5690 | | ピンジャック | 03 |
| * | PJ704 | V9626000 | JACK.PIN | RJ-1078-04-0551A | 2400 | J | ピンジャック 2Ｐ | |
| | PJ704 | VV325000 | JACK.PIN | 2P | 2400 | UCRTKABGL | ピンジャック | |
| | PJ704 | VV325000 | JACK.PIN | 2P | 1400,5690 | | ピンジャック | 03 |
| * | PJ705 | V9626000 | JACK.PIN | RJ-1078-04-0551A | 2400 | J | ピンジャック 2Ｐ | |
| | PJ705 | VV325000 | JACK.PIN | 2P | 2400 | UCRTKABGL | ピンジャック | |
| | PJ705 | VV325000 | JACK.PIN | 2P | 1400,5690 | | ピンジャック | 03 |
| | PJ801 | V9796700 | JACK.PIN | MSP-244V1-03 GILT | 2400 | J | ピンジャック 4Ｐ | |
| | PJ801 | V7046700 | JACK.PIN | MSP-244V1-01NI | 2400 | UCRTKABGL | ピンジャック 4Ｐ | |
| | PJ801 | V7046700 | JACK.PIN | MSP-244V1-01NI | 1400,5690 | | ピンジャック 4Ｐ | |
| * | PJ802 | WB791700 | JACK.PIN | RJ-1073-39-0551A | 2400 | J | ピンジャック 4Ｐ | |
| * | PJ802 | V5479100 | JACK.PIN | RJ-1073-39-0351A | 2400 | UCRTKABGL | ピンジャック 4Ｐ | |
| * | PJ802 | V5479100 | JACK.PIN | RJ-1073-39-0351A | 1400,5690 | | ピンジャック 4Ｐ | |
| | Q551 | iC1815I0 | TR | 2SC1815 Y | | | トランジスタ | 01 |
| | Q552 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| | Q553 | iC174020 | TR | 2SC1740S R,S | | BG | トランジスタ | 01 |
| | Q601 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| | Q602 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| | Q604 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| | Q605 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| | Q606 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| | Q607 | iC053540 | TR | 2SC535 A,B,C | | | トランジスタ | 01 |
| | Q608 | iA1015I0 | TR | 2SA1015 Y | | | トランジスタ | 01 |
| | Q609 | iC224030 | TR | 2SC2240 GR,BL | | | トランジスタ | 01 |
| | Q701 | iC174020 | TR | 2SC1740S R,S | | | トランジスタ | 01 |
| | R570 | HV754470 | R.CAR.FP | 47Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R631 | HV755270 | R.CAR.FP | 270Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R634 | HV755470 | R.CAR.FP | 470Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R650 | HV755220 | R.CAR.FP | 220Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. VIDEO & P.C.B. CONVERSION

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | R651 | HV755470 | R.CAR.FP | 470Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R657 | HV755220 | R.CAR.FP | 220Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R661 | HV755470 | R.CAR.FP | 470Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R664 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R666 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R668 | HV753220 | R.CAR.FP | 2.2Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R669 | HV753220 | R.CAR.FP | 2.2Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R671 | HV753220 | R.CAR.FP | 2.2Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R678 | HV755470 | R.CAR.FP | 470Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R681 | HV755470 | R.CAR.FP | 470Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R684 | HV755470 | R.CAR.FP | 470Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R695 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | R713 | HV755270 | R.CAR.FP | 270Ω 1/4W | | | 不燃化カーボン抵抗 | 01 |
| | R718 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | R719 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | ST801 | V4040500 | SCR.TERM | M3 | | | スクリュー／ターミナル | |
| | SW801 | VY811700 | SW.SLIDE | SS029-P2022BJ6-PA6 | | RL | スライドＳＷ | |
| | XL551 | V7556000 | RSNR.CRYS | 4.332MHz HC-49U | | BG | 水晶振動子 | |
| | XL601 | V9018400 | RSNR.CRYS | 14.3181MHz | | JUCRK | 水晶振動子 | |
| * | XL601 | V9018500 | RSNR.CRYS | 17.7344MHz | | TABGL | 水晶振動子 | |
| * | | WB729000 | P.C.B. | CONVERSION | 2400 | J | ＰＣＢ コンバージョン | |
| * | | WB729100 | P.C.B. | CONVERSION | 2400 | UCK | ＰＣＢ コンバージョン | |
| * | | WB729200 | P.C.B. | CONVERSION | 2400 | RTABGL | ＰＣＢ コンバージョン | |
| * | | WB729300 | P.C.B. | CONVERSION | 1400,5690 | J | ＰＣＢコンバージョン | |
| * | | WB729100 | P.C.B. | CONVERSION | 1400,5690 | UCK | ＰＣＢコンバージョン | |
| * | | WB729200 | P.C.B. | CONVERSION | 1400,5690 | RTABGL | ＰＣＢコンバージョン | |
| | CB801 | V7684100 | CM | 14P SE YKF SERIES | | J | D端子コネクター | |
| | CB802 | V7684100 | CM | 14P SE YKF SERIES | | J | D端子コネクター | |
| | CB803 | V7684100 | CM | 14P SE YKF SERIES | | J | D端子コネクター | |
| | CB804 | V7827700 | SOCKET | 10P SE TUC SERIES | | | コネクターソケット | |
| | CB805 | V7827200 | SOCKET | 5P TE TUC SERIES | | | コネクターソケット | |
| * | C801 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C802 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C803 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C804 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C805 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C806 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C807 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C808 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C809 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C810 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C811 | UR265470 | C.EL | 0.47uF 50V | | | ケミコン | |
| * | C812 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C813 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C813 | UR237470 | C.EL | 47uF 16V | 2400 | RTABGL | ケミコン | |
| * | C815 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C816 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C817 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C818 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C819 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |

＊New Parts ＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. CONVERSION

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * | C819 | UR237470 | C.EL | 47uF 16V | 2400 | RTABGL | ケミコン | |
| * | C820 | UR265470 | C.EL | 0.47uF 50V | | | ケミコン | |
| * | C820 | UR265470 | C.EL | 0.47uF 50V | 2400 | RTABGL | ケミコン | |
| * | C821 | UR265470 | C.EL | 0.47uF 50V | | | ケミコン | |
| * | C821 | UR265470 | C.EL | 0.47uF 50V | 2400 | RTABGL | ケミコン | |
| * | C822 | UR237100 | C.EL | 10uF 16V | 2400 | RTABGL | ケミコン | |
| * | C822 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C823 | UR266100 | C.EL | 1uF 50V | | | ケミコン | |
| * | C823 | UR266100 | C.EL | 1uF 50V | 2400 | RTABGL | ケミコン | |
| * | C824 | UR266220 | C.EL | 2.2uF 50V | | | ケミコン | |
| * | C825 | UR266100 | C.EL | 1uF 50V | | | ケミコン | |
| * | C825 | UR266100 | C.EL | 1uF 50V | 2400 | RTABGL | ケミコン | |
| * | C826 | UR265470 | C.EL | 0.47uF 50V | | | ケミコン | |
| * | C826 | UR265470 | C.EL | 0.47uF 50V | 2400 | RTABGL | ケミコン | |
| * | C827 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C827 | UR237470 | C.EL | 47uF 16V | 2400 | RTABGL | ケミコン | |
| * | C828 | UR266100 | C.EL | 1uF 50V | 2400 | RTABGL | ケミコン | |
| * | C828 | UR266100 | C.EL | 1uF 50V | | | ケミコン | |
| * | C829 | UR265470 | C.EL | 0.47uF 50V | | | ケミコン | |
| * | C829 | UR265470 | C.EL | 0.47uF 50V | 2400 | RTABGL | ケミコン | |
| * | C830 | UR266220 | C.EL | 2.2uF 50V | | | ケミコン | |
| * | C831 | UR238100 | C.EL | 100uF 16V | | | ケミコン | |
| * | C896 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| * | C905 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C906 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C907 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C908 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C909 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C910 | UR237470 | C.EL | 47uF 16V | | | ケミコン | |
| * | C911 | UR237100 | C.EL | 10uF 16V | | | ケミコン | |
| | C916 | UR218470 | C.EL | 470uF 6.3V | | | ケミコン | |
| | D801 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D802 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D803 | VU995300 | DIODE.ZENR | MA8100-L 9.7V | | | ツェナーダイオード | |
| | D804 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D805 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | D806 | VT332900 | DIODE | 1SS355 | | | ダイオード | |
| | IC801 | XS790A00 | IC | TC74HC4052AF MPX | | | ロジックＩＣ | |
| | IC802 | XS790A00 | IC | TC74HC4052AF MPX | | | ロジックＩＣ | |
| | IC803 | XS790A00 | IC | TC74HC4052AF MPX | | J | ロジックＩＣ | |
| | IC804 | X2904A00 | IC | NJM2581M VIDEO AMP | | | アンプＩＣ ＳＯＰ | |
| * | IC805 | X3936A00 | IC | SN74LVU04APWR | | | ロジックＩＣ | |
| * | IC806 | X4349A00 | IC | TC90A49F | | | ＩＣ デジタル | |
| * | IC807 | X4346A00 | IC | TA8772AN | | | ＩＣ アナログ | |
| * | IC807 | X4346A00 | IC | TA8772AN | 2400 | RTABGL | ＩＣ アナログ | |
| * | IC808 | X4347A00 | IC | TA1270BF | | | ＩＣ アナログ | |
| | IC809 | XR150A00 | IC | TC74HC4053AF | | | ＩＣ | |
| | IC810 | XW939A00 | IC | TK15420M VIDEO AMP | | | アンプＩＣ ＳＯＰ | |
| * | IC811 | X3936A00 | IC | SN74LVU04APWR | | | ロジックＩＣ | |
| | PJ801 | V8146800 | JACK PIN | SHIELD YKC21-4349 | | J | ピンジャック ９Ｐ | |
| | PJ801 | V8143900 | JACK PIN | SHIELD YKC21-4348 | | UCRTKABGL | ピンジャック ９Ｐ | |
| | Q801 | VC407900 | TR | 2SD1913 R,S | | | トランジスタ | 01 |
| | Q802 | VV556500 | TR | 2SA1037K Q,R,S | 2400 | RTABGL | トランジスタ | |

＊New Parts ＊新規部品（マーク#の部品は、基板に含まれません）

## P.C.B. CONVERSION & Chip Parts

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | Q803 | VV556400 | TR | 2SC2412K Q,R,S | 2400 | RTABGL | トランジスタ | |
| | Q804 | VV556400 | TR | 2SC2412K Q,R,S | 2400 | RTABGL | トランジスタ | |
| | Q805 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q806 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| | Q807 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q808 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q809 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q810 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q811 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| | Q812 | VV556500 | TR | 2SA1037K Q,R,S | | | トランジスタ | |
| | Q813 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | Q814 | VV556400 | TR | 2SC2412K Q,R,S | | | トランジスタ | |
| | R828 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | R830 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | R833 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | R847 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | R847 | HV753100 | R.CAR.FP | 1Ω 1/4W | 2400 | RTABGL | 不燃化カーボン抵抗 | |
| | R848 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | R878 | HV753100 | R.CAR.FP | 1Ω 1/4W | | | 不燃化カーボン抵抗 | |
| | ST801 | V4040500 | SCR.TERM | M3 | | | スクリュー／ターミナル | |
| * | XL801 | WB750000 | RSNR.CRYS | 4.433619MHz | 2400 | RTABGL | 水晶振動子 | |
| * | XL802 | WB749900 | RSNR.CRYS | 3.579545MHz | | | 水晶振動子 | |
| | XL803 | V5345200 | RSNR.CE | CSBLA503KECZF30-B0 | | | セラミック振動子 | |
| | | US044220 | C.CE.M.CHP | 0.022uF 25V | | | チップセラコン | 01 |
| | | US060700 | C.CE.CHP | 7pF 50V | | | チップセラコン | 01 |
| | | US060800 | C.CE.CHP | 8pF 50V | | | チップセラコン | 01 |
| | | US061100 | C.CE.M.CHP | 10pF 50V | | | チップセラコン | 01 |
| * | | US061120 | C.CE.CHP | 12pF 50V | | | チップセラコン | 01 |
| | | US061150 | C.CE.CHP | 15pF 50V | | | チップセラコン | 01 |
| | | US061220 | C.CE.M.CHP | 22pF 50V | | | チップセラコン | 01 |
| | | US061240 | C.CE.CHP | 24pF 50V | | | チップセラ（ＣＨ） | 01 |
| | | US061270 | C.CE.M.CHP | 27pF 50V | | | チップセラコン | 01 |
| | | US061330 | C.CE.M.CHP | 33pF 50V | | | チップセラコン | 01 |
| | | US061470 | C.CE.M.CHP | 47pF 50V | | | チップセラコン | 01 |
| | | US062100 | C.CE.M.CHP | 100pF 50V | | | チップセラコン | 01 |
| | | US062120 | C.CE.CHP | 120pF 50V | | | チップセラコン | 01 |
| | | US062180 | C.CE.CHP | 180P 50V | | | チップセラコン | 01 |
| | | US062220 | C.CE.CHP | 220pF 50V | | | チップセラコン | 01 |
| | | US062330 | C.CE.M.CHP | 330pF 50V | | | チップセラコン | 01 |
| | | US062470 | C.CE.M.CHP | 470pF 50V | | | チップセラコン | 01 |
| | | US062560 | C.CE.CHP | 560pF 50V | | | チップセラ（ＳＬ） | 01 |
| | | US063100 | C.CE.M.CHP | 1000pF 50V | | | チップセラコン | 01 |
| | | US063120 | C.CE.M.CHP | 1200pF 50V | | | チップセラコン | 01 |
| | | US063220 | C.CE.M.CHP | 2200pF 50V | | | チップセラコン | 01 |
| | | US063470 | C.CE.CHP | 4700pF 50V | | | チップセラコン | 01 |
| | | US064100 | C.CE.M.CHP | 0.01uF 50V | | | チップセラコン | 01 |
| | | US126100 | C.CE.CHP | 1uF 10V | | | チップセラ　Ｆ | 01 |
| | | US135100 | C.CE.CHP | 0.1uF 16V | | | チップセラコン | 01 |
| | | US135220 | C.CE.CHP | 0.22uF 16V | | | チップセラ（Ｆ） | 01 |

＊New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

## Chip Parts

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | | RD350000 | R.CHP | 0Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD353220 | R.CHP | 2.2Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD354220 | R.CHP | 22Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD354330 | R.CHP | 33Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD354470 | R.CHP | 47Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD354750 | R.CHP | 75Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD354820 | R.CHP | 82Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355100 | R.CHP | 100Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355120 | R.CHP | 120Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355220 | R.CHP | 220Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355270 | R.CHP | 270Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355330 | R.CHP | 330Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355360 | R.CHP | 360Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355430 | R.CHP | 430Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355470 | R.CHP | 470Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355680 | R.CHP | 680Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD355820 | R.CHP | 820Ω 1/16W | | | チップ抵抗 | 01 |
| | | RD356100 | R.CHP | 1KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356120 | R.CHP | 1.2KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356150 | R.CHP | 1.5KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356180 | R.CHP | 1.8KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356220 | R.CHP | 2.2KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356270 | R.CHP | 2.7KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356300 | R.CHP | 3KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356330 | R.CHP | 3.3KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356390 | R.CHP | 3.9KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356470 | R.CHP | 4.7KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356560 | R.CHP | 5.6KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356680 | R.CHP | 6.8KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD356820 | R.CHP | 8.2KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357100 | R.CHP | 10KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357120 | R.CHP | 12KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357150 | R.CHP | 15KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357180 | R.CHP | 18KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357200 | R.CHP | 20KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357220 | R.CHP | 22KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357270 | R.CHP | 27KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357300 | R.CHP | 30KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357330 | R.CHP | 33KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357470 | R.CHP | 47KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD357560 | R.CHP | 56KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD358100 | R.CHP | 100KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD358220 | R.CHP | 220KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD358470 | R.CHP | 470KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD358680 | R.CHP | 680KΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD359100 | R.CHP | 1MΩ 1/16W | | | チップ抵抗 | 01 |
| | | RD359220 | R.CHP | 2.2MΩ 1/16W | | | チップ抵抗 | 01 |
| * | | RF354330 | R.CHP | 33Ω 1/16W | | | チップ抵抗 | 01 |
| | | RF355100 | R.CHP | 100Ω 1/16W | | | チップ抵抗 | 01 |
| * | | RF355150 | R.CHP | 150Ω 1/16W | | | チップ抵抗 | 01 |
| | | RF355330 | R.CHP | 330Ω 1/16W | | | チップ抵抗 | 01 |
| | | RF355390 | R.CHP | 390Ω 1/16W | | | チップ抵抗 | 01 |
| * | | RF355470 | R.CHP | 470Ω 1/16W | | | チップ抵抗 | 01 |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

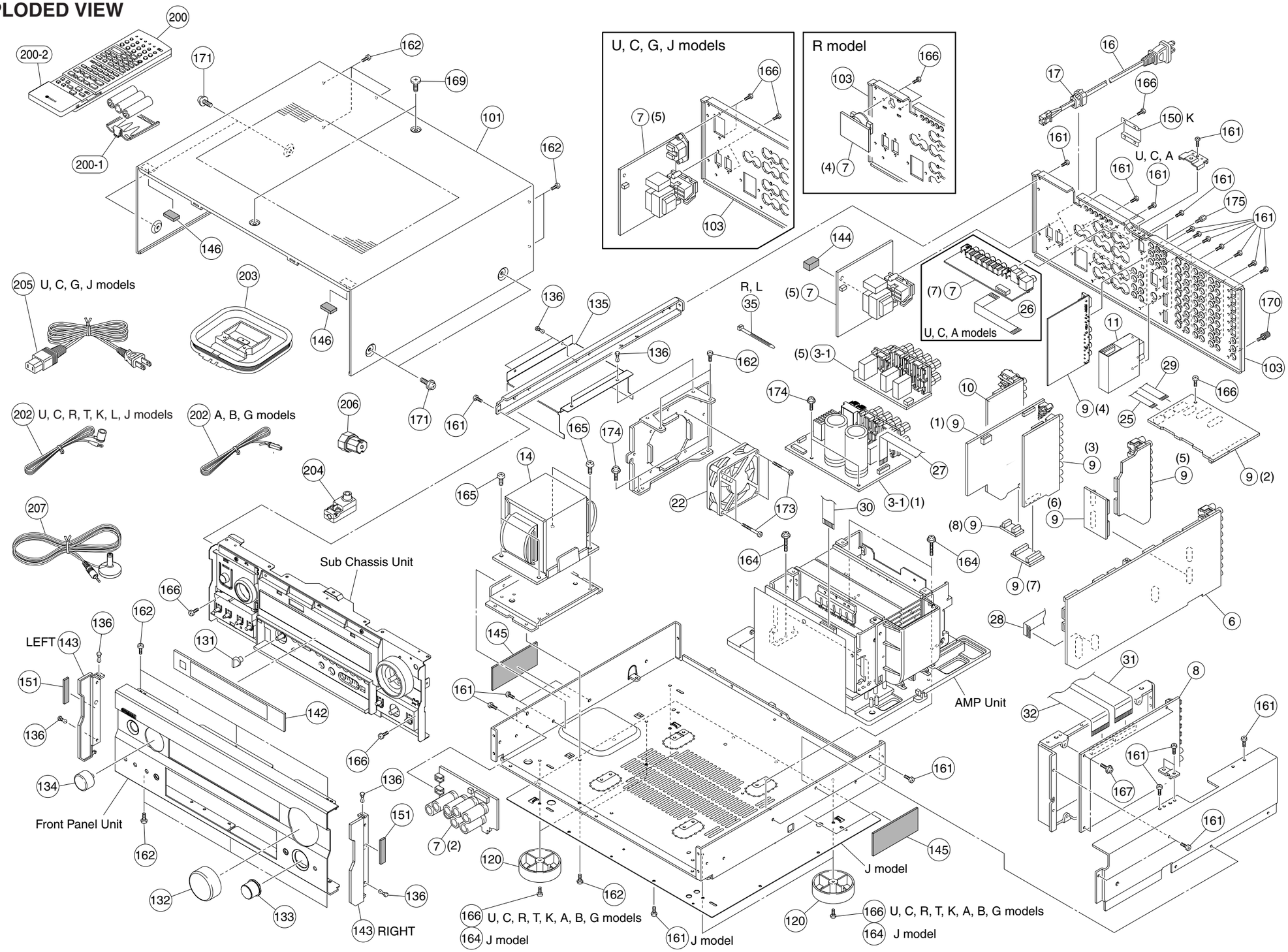
## Chip Parts

| Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|
| | RF356100 | R.CHP | 1.0KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF356120 | R.CHP | 1.2KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF356220 | R.CHP | 2.2KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF356330 | R.CHP | 3.3KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF356430 | R.CHP | 4.3KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF356470 | R.CHP | 4.7KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF356560 | R.CHP | 5.6KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF356680 | R.CHP | 6.8KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF357100 | R.CHP | 10KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF357110 | R.CHP | 11KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF357120 | R.CHP | 12KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF357470 | R.CHP | 47KΩ 1/16W | | | チップ抵抗 | 01 |
| | RF357820 | R.CHP | 82KΩ 1/16W | | | チップ抵抗 | 01 |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

# RX-V2400/RX-V2400RDS/DSP-AX2400

## ■ EXPLODED VIEW



RX-V2400/RX-V2400RDS/DSP-AX2400

## ■ MECHANICAL PARTS

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * ⚠ | 3-1 | WB722100 | P.C.B. ASS'Y | MAIN | | J | ＰＣＢメイン | |
| * ⚠ | 3-1 | WB722200 | P.C.B. ASS'Y | MAIN | | UCRTA | ＰＣＢメイン | |
| * ⚠ | 3-1 | WB722300 | P.C.B. ASS'Y | MAIN | | KBGL | ＰＣＢメイン | |
| * | 6 | WB725200 | P.C.B. ASS'Y | FUNCTION | | J | ＰＣＢファンクション | |
| * | 6 | WB725300 | P.C.B. ASS'Y | FUNCTION | | UC | ＰＣＢファンクション | |
| * | 6 | WB725400 | P.C.B. ASS'Y | FUNCTION | | RL | ＰＣＢファンクション | |
| * | 6 | WB725500 | P.C.B. ASS'Y | FUNCTION | | TKBG | ＰＣＢファンクション | |
| * | 6 | WB725600 | P.C.B. ASS'Y | FUNCTION | | A | ＰＣＢファンクション | |
| * ⚠ | 7 | WB723100 | P.C.B. ASS'Y | POWER | | J | ＰＣＢパワー | |
| * ⚠ | 7 | WB723200 | P.C.B. ASS'Y | POWER | | UC | ＰＣＢパワー | |
| * ⚠ | 7 | WB723300 | P.C.B. ASS'Y | POWER | | R | ＰＣＢパワー | |
| * ⚠ | 7 | WB723400 | P.C.B. ASS'Y | POWER | | TK | ＰＣＢパワー | |
| * ⚠ | 7 | WB723500 | P.C.B. ASS'Y | POWER | | A | ＰＣＢパワー | |
| * ⚠ | 7 | WB723600 | P.C.B. ASS'Y | POWER | | B | ＰＣＢパワー | |
| * ⚠ | 7 | WB723700 | P.C.B. ASS'Y | POWER | | G | ＰＣＢパワー | |
| * ⚠ | 7 | WB723800 | P.C.B. ASS'Y | POWER | | L | ＰＣＢパワー | |
| * | 8 | WB724800 | P.C.B. ASS'Y | DSP | | J | ＰＣＢ　ＤＳＰ | |
| * | 8 | WB724900 | P.C.B. ASS'Y | DSP | | UCRTKABGL | ＰＣＢ　ＤＳＰ | |
| * | 9 | WB727300 | P.C.B. ASS'Y | VIDEO | | J | ＰＣＢビデオ | |
| * | 9 | WB727400 | P.C.B. ASS'Y | VIDEO | | UC | ＰＣＢビデオ | |
| * | 9 | WB727500 | P.C.B. ASS'Y | VIDEO | | R | ＰＣＢビデオ | |
| * | 9 | WB727600 | P.C.B. ASS'Y | VIDEO | | T | ＰＣＢビデオ | |
| * | 9 | WB727800 | P.C.B. ASS'Y | VIDEO | | K | ＰＣＢビデオ | |
| * | 9 | WB727900 | P.C.B. ASS'Y | VIDEO | | A | ＰＣＢビデオ | |
| * | 9 | WB728000 | P.C.B. ASS'Y | VIDEO | | BG | ＰＣＢビデオ | |
| * | 9 | WB728100 | P.C.B. ASS'Y | VIDEO | | L | ＰＣＢビデオ | |
| * | 10 | WB729000 | P.C.B. ASS'Y | CONVERSION | | J | ＰＣＢコンバージョン | |
| * | 10 | WB729100 | P.C.B. ASS'Y | CONVERSION | | UCK | ＰＣＢコンバージョン | |
| * | 10 | WB729200 | P.C.B. ASS'Y | CONVERSION | | RTABGL | | |
| | 11 | V7424200 | AM/FM TUNER | FAE350-J10F | | J | ＡＭ／ＦＭ　チューナ | |
| | 11 | V7424300 | AM/FM TUNER | FAE350-A10F | | UCRTKL | ＡＭ／ＦＭ　チューナ | |
| | 11 | V7424400 | AM/FM TUNER | FAE404-E10F | | ABG | ＡＭ／ＦＭ　チューナ | |
| * ⚠ | 14 | X4593A00 | POWER TRANSFORMER | | | J | 電源トランス | |
| * ⚠ | 14 | X4594A00 | POWER TRANSFORMER | | | UC | 電源トランス | |
| * ⚠ | 14 | X4596A00 | POWER TRANSFORMER | | | RL | 電源トランス | |
| * ⚠ | 14 | X4597A00 | POWER TRANSFORMER | | | TK | 電源トランス | |
| * ⚠ | 14 | X4598A00 | POWER TRANSFORMER | | | A | 電源トランス | |
| * ⚠ | 14 | X4599A00 | POWER TRANSFORMER | | | BG | 電源トランス | |
| ⚠ | 16 | VN363200 | POWER CABLE | 2m | | R | 電源コード | 05 |
| ⚠ | 16 | VZ542500 | POWER CABLE | 2m | | T | 電源コード | |
| ⚠ | 16 | V8013000 | POWER CABLE | 2m | | K | 電源コード | |
| ⚠ | 16 | V2296800 | POWER CABLE | 2m | | A | 電源コード | |
| ⚠ | 16 | VV437300 | POWER CABLE | 2m | | B | 電源コード | |
| ⚠ | 16 | VS759300 | POWER CABLE | 2m | | L | 電源コード | |
| | 17 | V2438700 | CORD STOPPER | 10P1 | | RTKABL | コードストッパー | |
| | 22 | V8563700 | DC FAN MOTOR | 3110KL-05W-B40-T21 | | | ＤＣファンモーター | |
| * | 25 | MF107070 | FLEXIBLE FLAT CABLE | 7P 70mm P=1.25 | | | カード電線　Ｃ＆Ｃ | |
| | 26 | MF112140 | FLEXIBLE FLAT CABLE | 12P 140mm P=1.25 | | UCA | カード電線　Ｃ＆Ｃ | |
| * | 27 | MF112450 | FLEXIBLE FLAT CABLE | 12P 450mm P=1.25 | | | カード電線　Ｃ＆Ｃ | |
| * | 28 | MF113450 | FLEXIBLE FLAT CABLE | 13P 450mm P=1.25 | | | カード電線　Ｃ＆Ｃ | |
| | 29 | MF115070 | FLEXIBLE FLAT CABLE | 15P 70mm P=1.25 | | | カード電線　Ｃ＆Ｃ | |

※ New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

RX-V2400/RX-V2400RDS/DSP-AX2400

| | Schm Ref. | PART NO. | Description | | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|---|
| | 30 | MB019250 | S FLEXIBLE FLAT CABLE | 19P 250mm P=1.25 | | | | Ｓ　カード電線　Ｃ＆Ｃ | |
| | 31 | MF117100 | FLEXIBLE FLAT CABLE | 17P 100mm P=1.25 | | | | カード電線　Ｃ＆Ｃ | |
| | 32 | MF118250 | FLEXIBLE FLAT CABLE | 18P 250mm P=1.25 | | | | カード電線　Ｃ＆Ｃ | |
| | 35 | VZ625600 | BINDING TIE | SE140 L=140 | | | RL | インシュロックタイ | |
| | 101 | V9151200 | TOP COVER | | | GD | | トップカバー | |
| | 101 | V9151100 | TOP COVER | | | BL | | トップカバー | |
| | 101 | V9151300 | TOP COVER | | | TI | | トップカバー | |
| * | 103 | WB315900 | REAR PANEL | | | | J | リヤパネル | |
| * | 103 | WB298800 | REAR PANEL | | | | UC | リヤパネル | |
| * | 103 | WB298900 | REAR PANEL | | | | R | リヤパネル | |
| * | 103 | WB438400 | REAR PANEL | | | | T | リヤパネル | |
| * | 103 | WB549300 | REAR PANEL | | | | K | リヤパネル | |
| * | 103 | WB299000 | REAR PANEL | | | | A | リヤパネル | |
| * | 103 | WB758300 | REAR PANEL | | | | B | リヤパネル | |
| * | 103 | WB758400 | REAR PANEL | | | | G | リヤパネル | |
| * | 103 | WB549200 | REAR PANEL | | | | L | リヤパネル | |
| * | 120 | WC051600 | LEG | D56/H21 | | AX2400GDBL | J | レッグ | |
| | 120 | V0042500 | LEG | D60xH21 | | GD | RTKL | レッグ | |
| | 120 | VS025000 | LEG | D60xH21 | | BL,TI | UCRA,BG | レッグ | |
| | 131 | V6001700 | KNOB D15 | | | GD | | ノブ／Ｄ１５ | |
| | 131 | V6001600 | KNOB D15 | | | BL | | ノブ／Ｄ１５ | |
| | 131 | V7624400 | KNOB D15 | | | TI | | ノブ／Ｄ１５ | |
| | 132 | V9124800 | KNOB D47 | | | GD | | ノブ／Ｄ４７ | |
| | 132 | V9124700 | KNOB D47 | | | BL | | ノブ／Ｄ４７ | |
| | 132 | V9124900 | KNOB D47 | | | TI | | ノブ／Ｄ４７ | |
| * | 133 | WB312400 | KNOB D25 | | | GD | | ノブ／Ｄ２５ | |
| * | 133 | WB312200 | KNOB D25 | | | BL | | ノブ／Ｄ２５ | |
| * | 133 | WB312500 | KNOB D25 | | | TI | | ノブ／Ｄ２５ | |
| | 134 | V9125800 | KNOB D26 | | | GD | | ノブ／Ｄ２６ | |
| | 134 | V9125700 | KNOB D26 | | | BL | | ノブ／Ｄ２６ | |
| | 134 | V9125900 | KNOB D26 | | | TI | | ノブ／Ｄ２６ | |
| * | 135 | WB313000 | TRANS/COVER | | | | | トランス／カバー | |
| | 136 | VQ368600 | PUSH RIVET | P3555-B | | | | プッシュリベット | 01 |
| * | 142 | WB311100 | SHEET, WINDOW | | | | | シート／ウインドウ | |
| * | 143 | WB312800 | PLATE, SIDE | L+R/Set | | GD | | プレート／サイド | |
| * | 143 | WB312600 | PLATE, SIDE | L+R/Set | | BL | | プレート／サイド | |
| * | 143 | WB312900 | PLATE, SIDE | L+R/Set | | TI | | プレート／サイド | |
| * | 144 | WC062000 | SPACER | 10x25 t13 | | | | スペーサ | |
| * | 145 | V3198100 | DAMPER | GUARD | | | | ダンパー | |
| | 146 | V8080600 | CUSHION/10X20 | | | | | クッション／１０Ｘ２０ | |
| | 150 | V8466300 | COVER/AC OUTLETS | | | | K | カバー／ＡＣアウトレット | |
| | 151 | VZ117100 | DAMPER, T2 | T0P-F | | | | ダンパー／Ｔ２ | |
| | 161 | VN413300 | BIND HEAD BONDING B-T. SCREW | 3x8 | MFZN2BL | | | ボンディングＢタイトネジ | 01 |
| | 162 | EP600830 | BIND HEAD B-TIGHT SCREW | 3x8 | MFC2BL | | | バインドＢタイトネジ | 01 |
| * | 164 | WB315000 | SCREW IC | 3x18-10 | MFC2 | | | スクリュー　ＩＣ | |
| * | 165 | WB881000 | SCREW | 4x10-10 | MFZN2Y | | | スクリュー | |
| | 166 | EP600250 | BIND HEAD B-TIGHT SCREW | 3x8 | MFZN2Y | | | バインドＢタイトネジ | 01 |
| | 167 | VT669300 | PW HEAD B-TIGHT SCREW | 3x8-8 | MFC2 | | | ＰＷヘッドＢタイトネジ | |
| | 169 | VZ893000 | SPECIAL SCREW S-TIGHT | 4x8-10 | MFNI33 | GD,TI | | 化粧ネジＳタイト | |
| | 169 | VK522000 | SPECIAL SCREW S-TIGHT | 4x8-10 | MFC2BL | BL | | 化粧ネジＳタイト | 01 |
| | 170 | AA627310 | GROUND TERMINAL | | | | | ＧＮＤターミナル | 01 |

※ New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

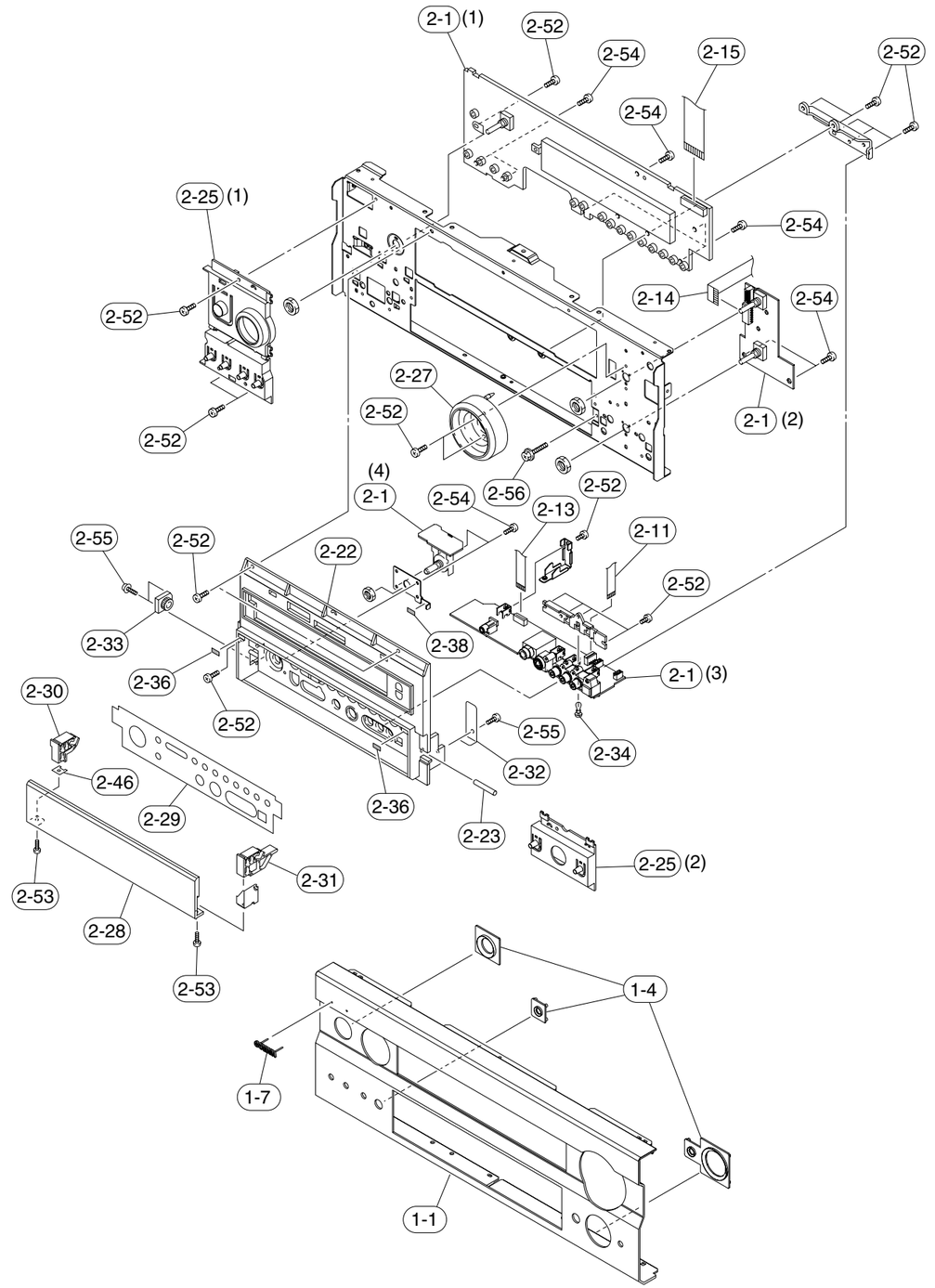
# RX-V2400/RX-V2400RDS/DSP-AX2400

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | 171 | VD069600 | PW HEAD S-TIGHT SCREW | 4x8-10 MFNI33 | GD,TI | | ＰＷヘッドＳタイトネジ | 01 |
| | 171 | 21991500 | PW HEAD S-TIGHT SCREW | 4x8-10 MFC2BL | BL | | ＰＷヘッドＳタイトネジ | 01 |
| | 173 | VV220300 | BIND HEAD B-TIGHT SCREW | 3x30 MFZN2BL | | | バインドＢタイトネジ | |
| | 174 | VB770200 | PW HEAD P-TIGHT SCREW | 3x10-8 MFC2 | | | ＰＷヘッドＰタイトネジ | 01 |
| | 175 | V6509600 | JACK SCREW | SS6-A47511848 | | | ジャックスクリュー | |
| | | | ACCESSORIES | | | | 付属品 | |
| * | 200 | WB679600 | REMOTE CONTROL | RAV228 | RRC4001-0007LM | | リモコン | |
| | 200-1 | AAX12830 | BATTERY COVER | 103RRC-170-01R | | | 電池蓋 | |
| | 200-2 | AAX13420 | SLIDE COVER | 103RRC-171-01R | 103RRC-171-01R | | スライドカバー | |
| | 202 | V6267000 | INDOOR FM ANTENNA | 1.4m 1pc | | JUCRTKL | ＦＭ簡易アンテナ | |
| | 202 | VQ147100 | INDOOR FM ANTENNA | 1.4m 1pc | | ABG | ＦＭ簡易アンテナ | 02 |
| | 203 | VR248500 | AM LOOP ANTENNA | 1.0m 1pc | | | ＡＭループアンテナ | |
| | 204 | VE364900 | ANTENNA ADAPTER | PAL 75-300Ω | | B | 整合器 | 03 |
| * ⚠ | 205 | WB803800 | POWER CABLE | 2m | | J | 電源コード | |
| ⚠ | 205 | V7704800 | POWER CABLE | 2m | | UC | 電源コード | |
| ⚠ | 205 | V7704900 | POWER CABLE | 2m | | G | 電源コード | |
| * | 206 | WC080100 | SPEAKER TERMINAL WRENCH | LTS0090-0002GM | | | ＳＰターミナルレンチ | |
| * | 207 | WB929200 | MICROPHONES | EMX-251 | | | マイクロホン | |
| | | | BATTERY (MANGANESE DRY) | R6PPTT/3ST(R6P) | | | マンガン電池 ３Ｐ Ｃ | |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

RX-V2400/RX-V2400RDS/DSP-AX2400

## ■ FRONT PANEL & SUB CHASSIS UNIT



# RX-V2400/RX-V2400RDS/DSP-AX2400

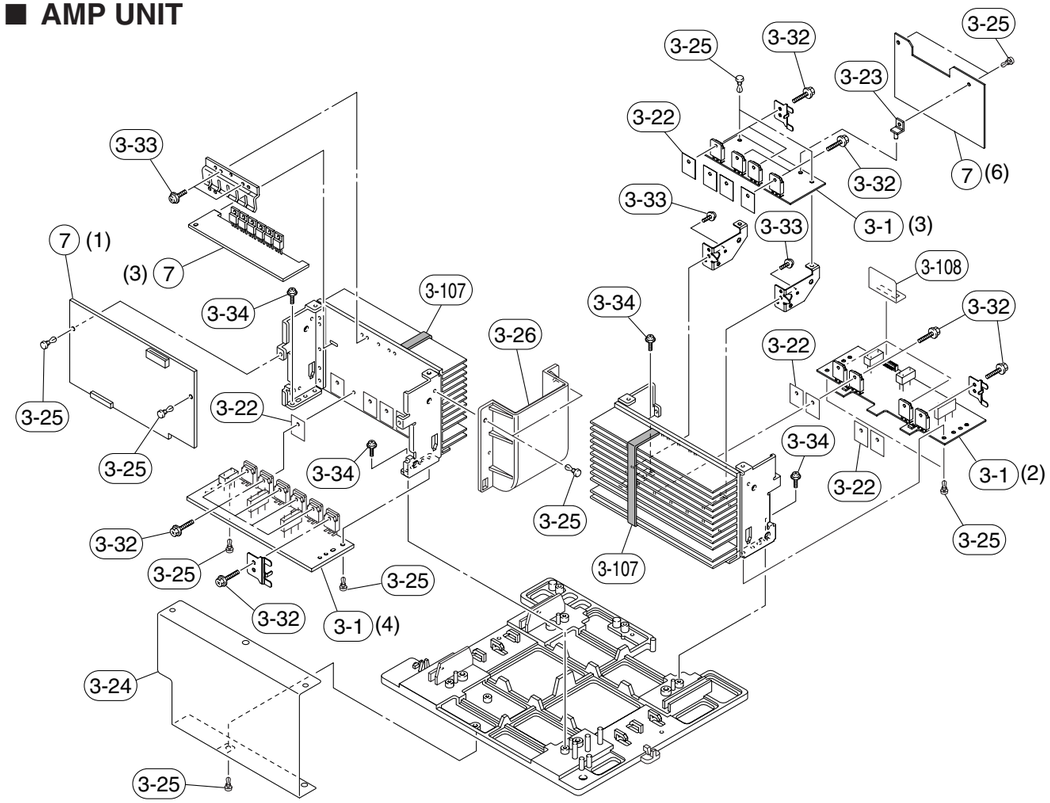
## ■ FRONT PANEL & SUB CHASSIS UNIT

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * | 1-1 | WB314500 | FRONT PANEL | | AX2400GD | | フロントパネル | |
| * | 1-1 | WB314400 | FRONT PANEL | | V2400GD | | フロントパネル | |
| * | 1-1 | WB761800 | FRONT PANEL | | AX2400BL | | フロントパネル | |
| * | 1-1 | WB314300 | FRONT PANEL | | V2400BL | | フロントパネル | |
| * | 1-1 | WB750500 | FRONT PANEL | | V2400RDSTI | | フロントパネル | |
| * | 1-4 | WB315700 | ESCUTCHEON/FRONT | | GD | | エスカッション／F | |
| * | 1-4 | WB315600 | ESCUTCHEON/FRONT | | BL | | エスカッション／F | |
| * | 1-4 | WB315800 | ESCUTCHEON/FRONT | | TI | | エスカッション／F | |
| | 1-7 | V6034200 | EMBLEM | | GD | | エンブレム | |
| | 1-7 | V6034100 | EMBLEM | | BL,TI | | エンブレム | |
| * | 2-1 | WB726600 | P.C.B. ASS'Y | OPERATION | | JRTKL | ＰＣＢオペレーション | |
| * | 2-1 | WB726700 | P.C.B. ASS'Y | OPERATION | | UCA | ＰＣＢオペレーション | |
| * | 2-1 | WB726800 | P.C.B. ASS'Y | OPERATION | | BG | ＰＣＢオペレーション | |
| | 2-11 | MF107500 | FLEXIBLE FLAT CABLE | 7P 500mm P=1.25 | | | カード電線 Ｃ＆Ｃ | |
| * | 2-13 | MB013300 | S FLX FLAT CABLE C&C | 13P 300mm P=1.25 | | | Ｓカード電線 Ｃ＆Ｃ | |
| | 2-14 | MF115140 | FLEXIBLE FLAT CABLE | 15P 140mm P=1.25 | | | カード電線 Ｃ＆Ｃ | |
| | 2-15 | MF121160 | FLEXIBLE FLAT CABLE | 21P 160mm P=1.25 | | | カード電線 Ｃ＆Ｃ | |
| * | 2-22 | WB311300 | SUBPANEL/CASE | | GD | | サブパネル／ケース | |
| * | 2-22 | WB311200 | SUBPANEL/CASE | | BL | | サブパネル／ケース | |
| * | 2-22 | WB311600 | SUBPANEL/CASE | | TI | | サブパネル／ケース | |
| | 2-23 | V9126500 | SHAFT | | | | シャフト | |
| * | 2-25 | WB311800 | BUTTON, PLAY | | GD | | ボタン／Ｐ | |
| * | 2-25 | WB311700 | BUTTON, PLAY | | BL | | ボタン／Ｐ | |
| * | 2-25 | WB311900 | BUTTON, PLAY | | TI | | ボタン／Ｐ | |
| * | 2-27 | WB537500 | ESCUTCHEON | | GD | | エスカッション | |
| * | 2-27 | WB537300 | ESCUTCHEON | | BL | | エスカッション | |
| * | 2-27 | WB537600 | ESCUTCHEON | | TI | | エスカッション | |
| * | 2-28 | WC624300 | PANEL, LID | | GD | | パネル／リッド | |
| * | 2-28 | WC624200 | PANEL, LID | | BL | | パネル／リッド | |
| * | 2-28 | WC624400 | PANEL, LID | | TI | | パネル／リッド | |
| * | 2-29 | WB299900 | PLATE, SP | | GD | | プレート／ＳＰ | |
| * | 2-29 | WB299700 | PLATE, SP | | BL | JR | プレート／ＳＰ | |
| * | 2-29 | WB299800 | PLATE, SP | | BL | UCA | プレート／ＳＰ | |
| * | 2-29 | WB734700 | PLATE, SP | | TI | | プレート／ＳＰ | |
| | 2-30 | V6005100 | HINGE, L | | GD | | ヒンジ Ｌ | |
| | 2-30 | V6005000 | HINGE, L | | BL | | ヒンジ Ｌ | |
| | 2-30 | V6005200 | HINGE, L | | TI | | ヒンジ Ｌ | |
| | 2-31 | V6005400 | HINGE, R | | GD | | ヒンジ Ｒ | |
| | 2-31 | V6005300 | HINGE, R | | BL | | ヒンジ Ｒ | |
| | 2-31 | V6005500 | HINGE, R | | TI | | ヒンジ Ｒ | |
| | 2-32 | V4593300 | SPRING, LID | | | | スプリング／リッド | |
| | 2-33 | V9124600 | DAMPER, GEAR | | | | ダンパー／ギヤ | |
| | 2-34 | VQ368600 | PUSH RIVET | P3555-B | | | プッシュリベット | 01 |
| | 2-36 | VY940400 | CUSHION, LID | T=0.8 | | | クッション／ＬＩＤ | |
| * | 2-38 | WC144500 | CUSHION/ 5X10 | 5x10 | | | クッション／５Ｘ１０ | |
| * | 2-46 | WC308000 | SPACER/HINGE | | | | スペーサー／ヒンジ | |
| | 2-52 | EP600250 | BIND HEAD B-TIGHT SCREW | 3x8 MFZN2Y | | | バインドＢタイトネジ | 01 |
| | 2-53 | VG863900 | BIND HEAD TAPPING SCREW | 2.6x6 MFZN2BL | | | バインドＴＰネジ | 01 |
| | 2-54 | EP630220 | BIND HEAD P-TIGHT SCREW | 3x8 MFZN2BL | | | バインドＰタイトネジ | |
| | 2-55 | VE529700 | PW HEAD B-TIGHT SCREW | 3x6-8 MFC2BL | | | ＰＷヘッドＢタイトネジ | 01 |
| | 2-56 | VK173200 | SCREW, TRANSISTOR | 3x15 SP MFC2 | | | スクリューＴＲ | 01 |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

# RX-V2400/RX-V2400RDS/DSP-AX2400

## ■ AMP UNIT

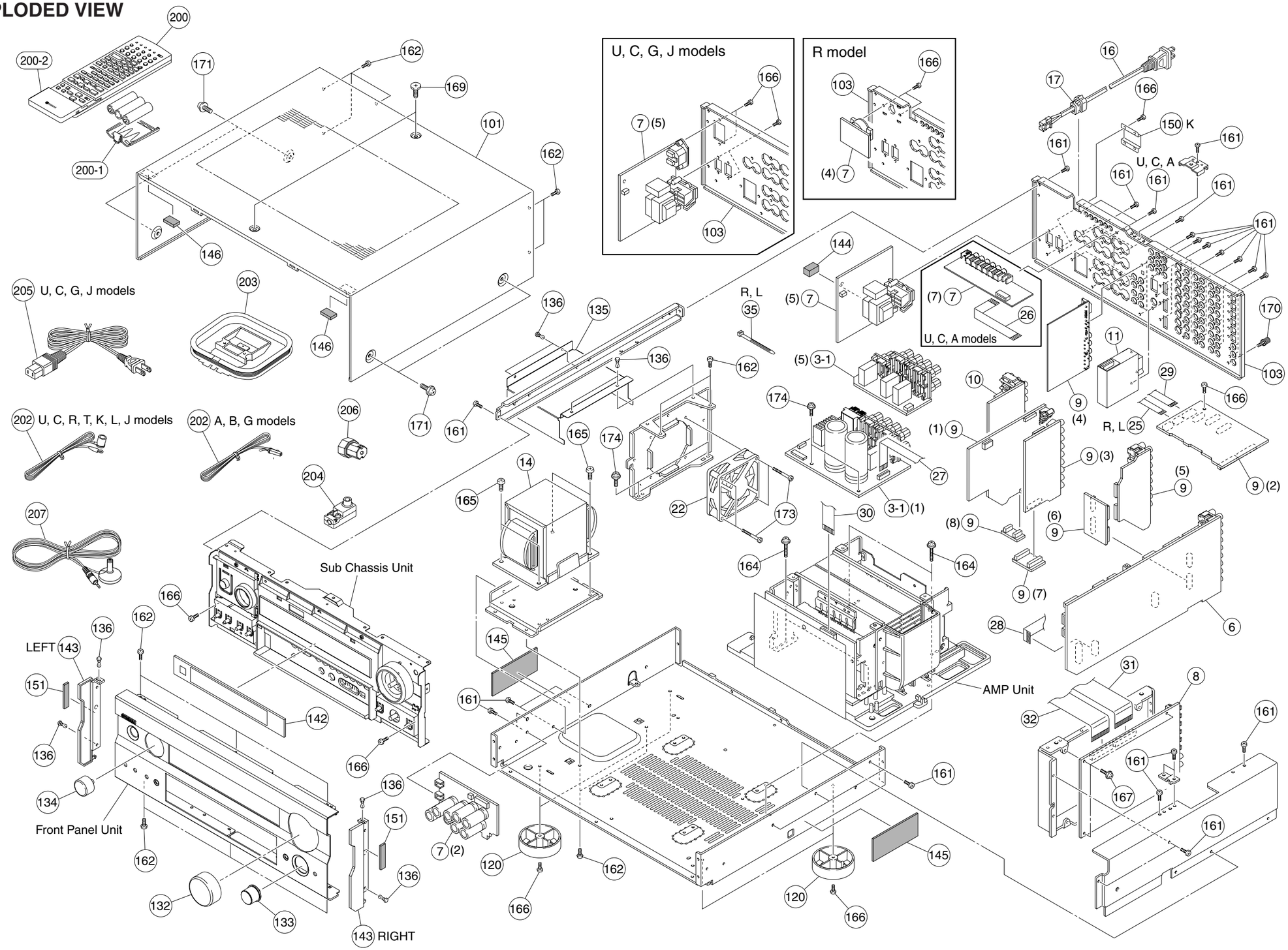



| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * ⚠ | 3-1 | WB722100 | P.C.B. ASS'Y | MAIN | | J | ＰＣＢメイン | |
| * ⚠ | 3-1 | WB722200 | P.C.B. ASS'Y | MAIN | | UCRTA | ＰＣＢメイン | |
| * ⚠ | 3-1 | WB722300 | P.C.B. ASS'Y | MAIN | | KBGL | ＰＣＢメイン | |
| | 3-22 | VV849300 | SHEET | 19x24 | | | シート／放熱 | 01 |
| * | 3-23 | CB091290 | SUPPORT, P.C.B. | No.1645 | | | 基板サポート | 01 |
| * | 3-24 | WB955600 | SHEET/SHIELD 1400 | | | | シート／シールド | |
| | 3-25 | V0368600 | PUSH RIVET | P3555-B | | | プッシュリベット | 01 |
| | 3-26 | V9120600 | DUCT | | | | ダクト | |
| | 3-32 | VK173200 | SCREW, TRANSISTOR | 3x15 SP MFC2 | | | スクリューＴＲ | 01 |
| | 3-33 | VT669300 | PW HEAD B-TIGHT SCREW | 3x8-8 MFC2 | | | ＰＷヘッドＢタイトネジ | |
| | 3-34 | VB770200 | PW HEAD P-TIGHT SCREW | 3x10-8 MFC2 | | | ＰＷヘッドＰタイトネジ | 01 |
| | 3-107 | VP922500 | DAMPER | 2x10x170 | | | ダンパー | 01 |
| * | 3-108 | WC558300 | SPACER/PCB | | | | スペーサー／ＰＣＢ | |
| * ⚠ | 7 | WB723100 | P.C.B. ASS'Y | POWER | | J | ＰＣＢパワー | |
| * ⚠ | 7 | WB723200 | P.C.B. ASS'Y | POWER | | UC | ＰＣＢパワー | |
| * ⚠ | 7 | WB723300 | P.C.B. ASS'Y | POWER | | R | ＰＣＢパワー | |
| * ⚠ | 7 | WB723400 | P.C.B. ASS'Y | POWER | | TK | ＰＣＢパワー | |
| * ⚠ | 7 | WB723500 | P.C.B. ASS'Y | POWER | | A | ＰＣＢパワー | |
| * ⚠ | 7 | WB723600 | P.C.B. ASS'Y | POWER | | B | ＰＣＢパワー | |
| * ⚠ | 7 | WB723700 | P.C.B. ASS'Y | POWER | | G | ＰＣＢパワー | |
| * ⚠ | 7 | WB723800 | P.C.B. ASS'Y | POWER | | L | ＰＣＢパワー | |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

## ■ EXPLODED VIEW



RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

## ■ MECHANICAL PARTS

| | | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|---|
| * | ⚠ | 3-1 | WB722400 | P.C.B. ASS'Y | MAIN | | J | ＰＣＢメイン | |
| * | ⚠ | 3-1 | WB722500 | P.C.B. ASS'Y | MAIN | | UCRTA | ＰＣＢメイン | |
| * | ⚠ | 3-1 | WB722600 | P.C.B. ASS'Y | MAIN | | KBGL | ＰＣＢメイン | |
| * | | 6 | WB725900 | P.C.B. ASS'Y | FUNCTION | | J | ＰＣＢファンクション | |
| * | | 6 | WB726000 | P.C.B. ASS'Y | FUNCTION | | UC | ＰＣＢファンクション | |
| * | | 6 | WB726100 | P.C.B. ASS'Y | FUNCTION | | RL | ＰＣＢファンクション | |
| * | | 6 | WB726200 | P.C.B. ASS'Y | FUNCTION | | TKBG | ＰＣＢファンクション | |
| * | | 6 | WB726300 | P.C.B. ASS'Y | FUNCTION | | A | ＰＣＢファンクション | |
| * | ⚠ | 7 | WB723900 | P.C.B. ASS'Y | POWER | | J | ＰＣＢパワー | |
| * | ⚠ | 7 | WB724000 | P.C.B. ASS'Y | POWER | | UC | ＰＣＢパワー | |
| * | ⚠ | 7 | WB724100 | P.C.B. ASS'Y | POWER | | R | ＰＣＢパワー | |
| * | ⚠ | 7 | WB724300 | P.C.B. ASS'Y | POWER | | TK | ＰＣＢパワー | |
| * | ⚠ | 7 | WB724400 | P.C.B. ASS'Y | POWER | | A | ＰＣＢパワー | |
| * | ⚠ | 7 | WB724500 | P.C.B. ASS'Y | POWER | | B | ＰＣＢパワー | |
| * | ⚠ | 7 | WB724600 | P.C.B. ASS'Y | POWER | | G | ＰＣＢパワー | |
| * | ⚠ | 7 | WB724700 | P.C.B. ASS'Y | POWER | | L | ＰＣＢパワー | |
| * | | 8 | WB725000 | P.C.B. ASS'Y | DSP | | J | ＰＣＢ　ＤＳＰ | |
| * | | 8 | WB725100 | P.C.B. ASS'Y | DSP | | UCRTKABGL | ＰＣＢ　ＤＳＰ | |
| * | | 9 | WB728200 | P.C.B. ASS'Y | VIDEO | | J | ＰＣＢビデオ | |
| * | | 9 | WB728300 | P.C.B. ASS'Y | VIDEO | | UC | ＰＣＢビデオ | |
| * | | 9 | WB728400 | P.C.B. ASS'Y | VIDEO | | R | ＰＣＢビデオ | |
| * | | 9 | WB728500 | P.C.B. ASS'Y | VIDEO | | T | ＰＣＢビデオ | |
| * | | 9 | WB728600 | P.C.B. ASS'Y | VIDEO | | K | ＰＣＢビデオ | |
| * | | 9 | WB728700 | P.C.B. ASS'Y | VIDEO | | A | ＰＣＢビデオ | |
| * | | 9 | WB728800 | P.C.B. ASS'Y | VIDEO | | BG | ＰＣＢビデオ | |
| * | | 9 | WB728900 | P.C.B. ASS'Y | VIDEO | | L | ＰＣＢビデオ | |
| * | | 10 | WB729300 | P.C.B. ASS'Y | CONVERSION | | J | ＰＣＢコンバージョン | |
| * | | 10 | WB729100 | P.C.B. ASS'Y | CONVERSION | | UCK | ＰＣＢコンバージョン | |
| * | | 10 | WB729200 | P.C.B. ASS'Y | CONVERSION | | RTABGL | ＰＣＢコンバージョン | |
| | | 11 | V7424200 | AM/FM TUNER | FAE350-J10F | | J | ＡＭ／ＦＭ　チューナ | 13 |
| * | | 11 | V7424300 | AM/FM TUNER | FAE350-A10F | | UCRTKL | ＡＭ／ＦＭ　チューナ | |
| * | | 11 | V7424400 | AM/FM TUNER | FAE404-E10F | | ABG | ＡＭ／ＦＭ　チューナ | |
| * | ⚠ | 14 | X4601A00 | POWER TRANSFORMER | | | J | 電源トランス | |
| * | ⚠ | 14 | X4594A00 | POWER TRANSFORMER | | | UC | 電源トランス | |
| * | ⚠ | 14 | X4596A00 | POWER TRANSFORMER | | | RL | 電源トランス | |
| * | ⚠ | 14 | X4597A00 | POWER TRANSFORMER | | | TK | 電源トランス | |
| * | ⚠ | 14 | X4598A00 | POWER TRANSFORMER | | | A | 電源トランス | |
| * | ⚠ | 14 | X4600A00 | POWER TRANSFORMER | | | BG | 電源トランス | |
| | ⚠ | 16 | VN363200 | POWER CABLE | 2m | | R | 電源コード | 04 |
| | ⚠ | 16 | VZ542500 | POWER CABLE | 2m | | T | 電源コード | 05 |
| * | ⚠ | 16 | V8013000 | POWER CABLE | 2m | | K | 電源コード | |
| | ⚠ | 16 | V2296800 | POWER CABLE | 2m | | A | 電源コード | |
| | ⚠ | 16 | VV437300 | POWER CABLE | 2m | | B | 電源コード | 08 |
| | ⚠ | 16 | VS759300 | POWER CABLE | 2m | | L | 電源コード | 05 |
| | | 17 | V2438700 | CORD STOPPER | 10P1 | | RTKABL | コードストッパー | 02 |
| | | 22 | V8563700 | DC FAN MOTOR | 3110KL-05W-B40-T21 | | | ＤＣファンモーター | |
| * | | 25 | MF107070 | FLEXIBLE FLAT CABLE | 7P 70mm P=1.25 | | RL | カード電線　Ｃ＆Ｃ | |
| | | 26 | MF112140 | FLEXIBLE FLAT CABLE | 12P 140mm P=1.25 | | UCA | カード電線　Ｃ＆Ｃ | 01 |
| * | | 27 | MF112450 | FLEXIBLE FLAT CABLE | 12P 450mm P=1.25 | | | カード電線　Ｃ＆Ｃ | |
| * | | 28 | MF113500 | FLEXIBLE FLAT CABLE | 13P 500mm P=1.25 | | | カード電線　Ｃ＆Ｃ | 05 |
| | | 29 | MF115070 | FLEXIBLE FLAT CABLE | 15P 70mm P=1.25 | | | カード電線　Ｃ＆Ｃ | |

※ New Parts　＊ 新規部品(マーク#の部品は、基板に含まれません)

RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | 30 | MB019250 | S FLEXIBLE FLAT CABLE | 19P 250mm P=1.25 | | | Ｓ　カード電線　Ｃ＆Ｃ | 01 |
| | 31 | MF117100 | FLEXIBLE FLAT CABLE | 17P 100mm P=1.25 | | | カード電線　Ｃ＆Ｃ | 01 |
| | 32 | MF118250 | FLEXIBLE FLAT CABLE | 18P 250mm P=1.25 | | | カード電線　Ｃ＆Ｃ | 03 |
| | 35 | VZ625600 | BINDING TIE | SE140 L=140 | | RL | インシュロックタイ | 01 |
| | 101 | V9151200 | TOP COVER | | GD | | トップカバー | 09 |
| * | 101 | V9151100 | TOP COVER | | BL | | トップカバー | |
| * | 101 | V9151300 | TOP COVER | | TI | | トップカバー | |
| * | 103 | WB298200 | REAR PANEL | | AX1400 | J | リヤパネル | |
| * | 103 | WB297900 | REAR PANEL | | V1400 | UC | リヤパネル | |
| * | 103 | WB298000 | REAR PANEL | | V1400 | R | リヤパネル | |
| * | 103 | WB438300 | REAR PANEL | | V1400 | T | リヤパネル | |
| * | 103 | WB549100 | REAR PANEL | | V1400 | K | リヤパネル | |
| * | 103 | WB298100 | REAR PANEL | | V1400 | A | リヤパネル | |
| * | 103 | WB298300 | REAR PANEL | | V1400RDS | B | リヤパネル | |
| * | 103 | WB298400 | REAR PANEL | | V1400RDS | G | リヤパネル | |
| * | 103 | WB298500 | REAR PANEL | | 5690 | UC | リヤパネル | |
| * | 103 | WB298600 | REAR PANEL | | 5690 | T | リヤパネル | |
| * | 103 | WB298700 | REAR PANEL | | 5690 | A | リヤパネル | |
| | 120 | V0042500 | LEG | D60xH21 | 1400GD,5690GD | | レッグ | 03 |
| | 120 | VS025000 | LEG | D60xH21 | 1400BLTI | | レッグ | 02 |
| | 120 | VV544300 | LEG | D60xH21 | 5690BL | | レッグ　（ＢＫ） | 02 |
| | 132 | V9124800 | KNOB D47 | | GD | | ノブ／Ｄ４７ | 06 |
| * | 132 | V9124700 | KNOB D47 | | BL | | ノブ／Ｄ４７ | |
| * | 132 | V9124900 | KNOB D47 | | TI | | ノブ／Ｄ４７ | |
| * | 133 | WB312400 | KNOB D25 | | GD | | ノブ／Ｄ２５ | |
| * | 133 | WB312200 | KNOB D25 | | BL | | ノブ／Ｄ２５ | |
| * | 133 | WB312500 | KNOB D25 | | TI | | ノブ／Ｄ２５ | |
| | 134 | V9119600 | KNOB D26 | | GD | | ノブ／Ｄ２６ | 01 |
| * | 134 | V9119500 | KNOB D26 | | BL | | ノブ／Ｄ２６ | |
| * | 134 | V9119700 | KNOB D26 | | TI | | ノブ／Ｄ２６ | |
| * | 135 | WB313000 | TRANS/COVER | | | | トランス／カバー | |
| | 136 | V0368600 | PUSH RIVET | P3555-B | | | プッシュリベット | 01 |
| * | 142 | WB311100 | SHEET, WINDOW | | | | シート／ウインドウ | |
| * | 143 | WB312800 | PLATE, SIDE | L+R/Set | GD | | プレート／サイド | |
| * | 143 | WB312600 | PLATE, SIDE | L+R/Set | BL | | プレート／サイド | |
| * | 143 | WB312900 | PLATE, SIDE | L+R/Set | TI | | プレート／サイド | |
| * | 144 | WC062000 | SPACER | 10x25 t13 | | | スペーサ | |
| * | 145 | V3198100 | DAMPER | GUARD | | | ダンパー | |
| | 146 | V8080600 | CUSHION/10X20 | | | | クッション／１０Ｘ２０ | |
| * | 150 | V8466300 | COVER/AC OUTLETS | | | K | カバー／ＡＣアウトレット | |
| | 151 | VZ117100 | DAMPER, T2 | TOP-F | | | ダンパー／Ｔ２ | 01 |
| | 161 | VN413300 | BIND HEAD BONDING B-T. SCREW | 3x8 MFZN2BL | | | ボンディングＢタイトネジ | 01 |
| | 162 | EP600830 | BIND HEAD B-TIGHT SCREW | 3x8 MFC2BL | | | バインドＢタイトネジ | 01 |
| * | 164 | WB315000 | SCREW IC | 3x18-10 MFC2 | | | スクリュー　ＩＣ | |
| * | 165 | WB881000 | SCREW | 4x10-10 MFZN2Y | | | スクリュー | |
| | 166 | EP600250 | BIND HEAD B-TIGHT SCREW | 3x8 MFZN2Y | | | バインドＢタイトネジ | 01 |
| | 167 | VT669300 | PW HEAD B-TIGHT SCREW | 3x8-8 MFC2 | | | ＰＷヘッドＢタイトネジ | 01 |
| | 169 | VZ893000 | SPECIAL SCREW S-TIGHT | 4x8-10 MFNI33 | GD,TI | | 化粧ネジＳタイト | 02 |
| | 169 | VK522000 | SPECIAL SCREW S-TIGHT | 4x8-10 MFC2BL | BL | | 化粧ネジＳタイト | 01 |
| | 170 | AA627310 | GROUND TERMINAL | | | | ＧＮＤターミナル | 01 |
| | 171 | VD069600 | PW HEAD S-TIGHT SCREW | 4x8-10 MFNI33 | GD,TI | | ＰＷヘッドＳタイトネジ | 01 |

※ New Parts　＊ 新規部品(マーク#の部品は、基板に含まれません)

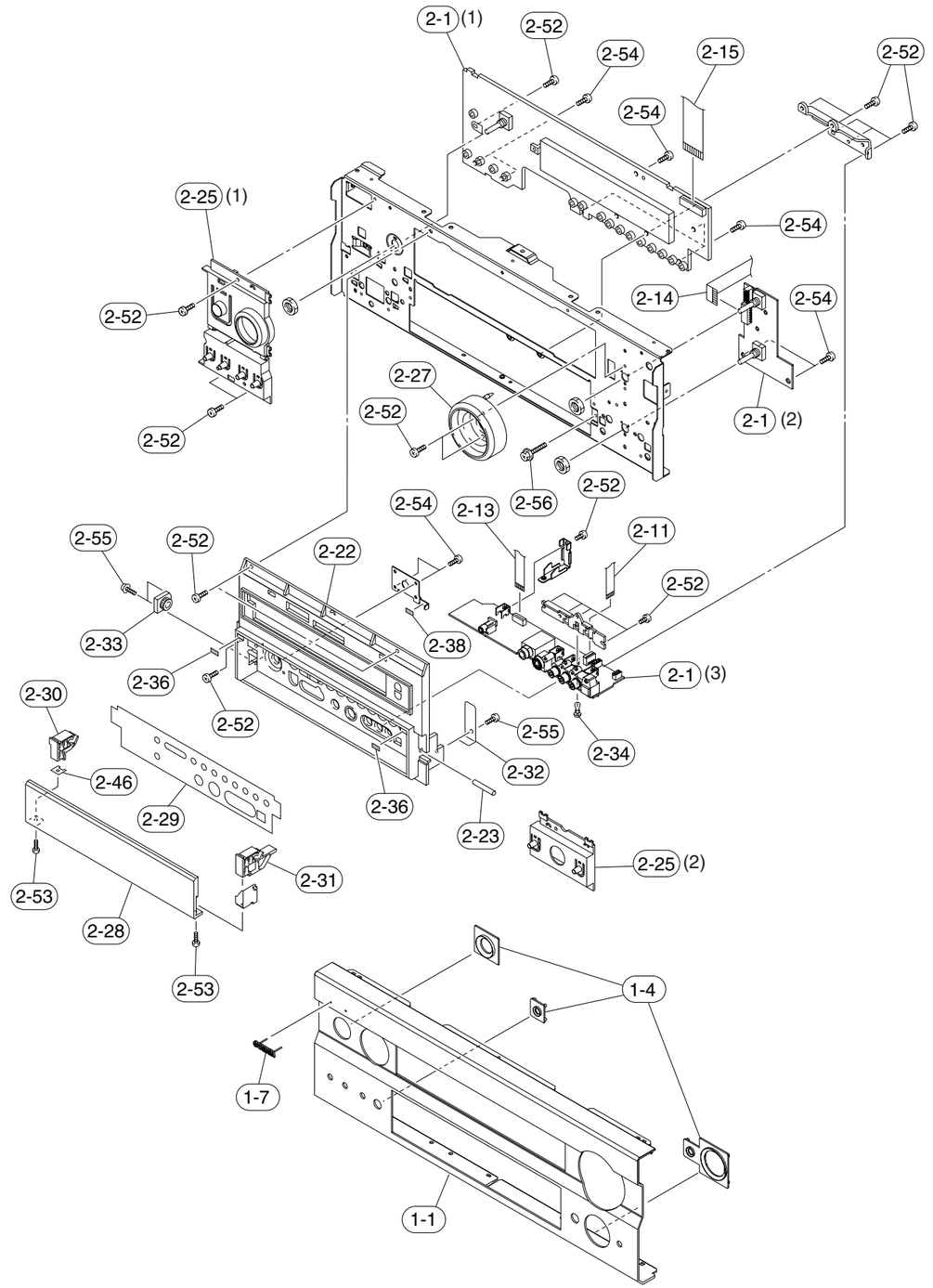
## RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| | 171 | 21991500 | PW HEAD S-TIGHT SCREW | 4x8-10 MFC2BL | BL | | ＰＷヘッドＳタイトネジ | 01 |
| | 173 | VV220300 | BIND HEAD B-TIGHT SCREW | 3x30 MFZN2BL | | | バインドＢタイトネジ | 01 |
| | 174 | VB770200 | PW HEAD P-TIGHT SCREW | 3x10-8 MFC2 | | | ＰＷヘッドＰタイトネジ | 01 |
| | | | ACCESSORIES | | | | 付属品 | |
| * | 200 | WB378600 | REMOTE CONTROL | RAV238 | BW0909 | JUCRTKAL | リモートコントロール | |
| * | 200 | WB378700 | REMOTE CONTROL | RAV239 | BW0909 | BG | リモートコントロール | |
| | 200-1 | AAX31620 | BATTERY COVER | 71-0900-02000 | 71-0900-02000 | | 電池蓋 | 05 |
| | 202 | V6267000 | INDOOR FM ANTENNA | 1.4m 1pc | | JUCRTKL | ＦＭ簡易アンテナ | 03 |
| | 202 | VQ147100 | INDOOR FM ANTENNA | 1.4m 1pc | | ABG | ＦＭ簡易アンテナ | 02 |
| | 203 | VR248500 | AM LOOP ANTENNA | 1.0m 1pc | | | ＡＭループアンテナ | 03 |
| | 204 | VE364900 | ANTENNA ADAPTER | PAL 75-300Ω | | B | 整合器 | 03 |
| * ⚠ | 205 | WA642300 | POWER CABLE | 2m 1pc | | J | 電源コード | |
| ⚠ | 205 | V7704800 | POWER CABLE | 2m 1pc | | UC | 電源コード | 05 |
| ⚠ | 205 | V7704900 | POWER CABLE | 2m 1pc | | G | 電源コード | 06 |
| * | 206 | WC080100 | SPEAKER TERMINAL WRENCH | LTS0090-0002GM | | | ＳＰターミナルレンチ | |
| * | 207 | WB929200 | MICROPHONES | EMX-251 | | | マイクロホン | |
| | | | BATTERY, MANGANESE | UM-4NE (2PC) | | | マンガン電池 ２ＰＣ | |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

## ■ FRONT PANEL & SUB CHASSIS UNIT



# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

## ■ FRONT PANEL & SUB CHASSIS UNIT

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * | 1-1 | WB313700 | FRONT PANEL | | AX1400GD | J | フロントパネル | |
| * | 1-1 | WB313600 | FRONT PANEL | | V1400GD | RTKL | フロントパネル | |
| * | 1-1 | WB313500 | FRONT PANEL | | V1400BL | UCRA | フロントパネル | |
| * | 1-1 | WB313800 | FRONT PANEL | | V1400RDSBL | G | フロントパネル | |
| * | 1-1 | WB314000 | FRONT PANEL | | V1400RDSTI | BG | フロントパネル | |
| * | 1-1 | WB314200 | FRONT PANEL | | 5690GD | T | フロントパネル | |
| * | 1-1 | WB314100 | FRONT PANEL | | 5690BL | UCA | フロントパネル | |
| * | 1-4 | WB315700 | ESCUTCHEON/FRONT | | GD | | エスカッション／F | |
| * | 1-4 | WB315600 | ESCUTCHEON/FRONT | | BL | | エスカッション／F | |
| * | 1-4 | WB315800 | ESCUTCHEON/FRONT | | TI | | エスカッション／F | |
| | 1-7 | V6034200 | EMBLEM | | 1400GD,5690GDBL | | エンブレム | 03 |
| | 1-7 | V6034100 | EMBLEM | | 1400BLTI | | エンブレム | |
| * | 2-1 | WB726900 | P.C.B. ASS'Y | OPERATION | | JRTKL | ＰＣＢオペレーション | |
| * | 2-1 | WB727000 | P.C.B. ASS'Y | OPERATION | | UCA | ＰＣＢオペレーション | |
| * | 2-1 | WB727100 | P.C.B. ASS'Y | OPERATION | | BG | ＰＣＢオペレーション | |
| | 2-11 | MF107500 | FLEXIBLE FLAT CABLE | 7P 500mm P=1.25 | | | カード電線 Ｃ＆Ｃ | 03 |
| * | 2-13 | MB013300 | S FLX FLAT CABLE C&C | 13P 300mm P=1.25 | | | Ｓカード電線 Ｃ＆Ｃ | |
| | 2-14 | MF115140 | FLEXIBLE FLAT CABLE | 15P 140mm P=1.25 | | | カード電線 Ｃ＆Ｃ | 03 |
| | 2-15 | MF121160 | FLEXIBLE FLAT CABLE | 21P 160mm P=1.25 | | | カード電線 Ｃ＆Ｃ | |
| * | 2-22 | WB311300 | SUBPANEL/CASE | | V1400GD,5690GD | | サブパネル／ケース | |
| * | 2-22 | WB311200 | SUBPANEL/CASE | | V1400BL,5690BL | UCRA | サブパネル／ケース | |
| * | 2-22 | WB311400 | SUBPANEL/CASE | | V1400BL | G | サブパネル／ケース | |
| * | 2-22 | WB311600 | SUBPANEL/CASE | | V1400RDSTI | BG | サブパネル／ケース | |
| | 2-23 | V9126500 | SHAFT | | | | シャフト | 01 |
| * | 2-25 | WB311800 | BUTTON, PLAY | | GD | | ボタン／P | |
| * | 2-25 | WB311700 | BUTTON, PLAY | | BL | | ボタン／P | |
| * | 2-25 | WB311900 | BUTTON, PLAY | | TI | | ボタン／P | |
| * | 2-25 | WB312000 | BUTTON, PLAY | | 5690BL | | ボタン／P | |
| * | 2-27 | WB537500 | ESCUTCHEON | | GD | | エスカッション | |
| * | 2-27 | WB537300 | ESCUTCHEON | | BL | | エスカッション | |
| * | 2-27 | WB537600 | ESCUTCHEON | | TI | | エスカッション | |
| * | 2-28 | WC624300 | PANEL, LID | | GD | | パネル／リッド | |
| * | 2-28 | WC624200 | PANEL, LID | | BL | | パネル／リッド | |
| * | 2-28 | WC624400 | PANEL, LID | | TI | | パネル／リッド | |
| * | 2-28 | WC624500 | PANEL, LID | | 5690BL | | パネル／リッド | |
| * | 2-29 | WB299200 | PLATE, SP | | V1400GD | | プレート／ＳＰ | |
| * | 2-29 | WB299100 | PLATE, SP | | V1400BL | UCR | プレート／ＳＰ | |
| * | 2-29 | WB299300 | PLATE, SP | | V1400RDSBL | G | プレート／ＳＰ | |
| * | 2-29 | WB299500 | PLATE, SP | | V1400RDSTI | | プレート／ＳＰ | |
| * | 2-29 | WB299600 | PLATE, SP | | 5690 | | プレート／ＳＰ | |
| | 2-30 | V6005100 | HINGE, L | | GD | | ヒンジ L | 01 |
| * | 2-30 | V6005000 | HINGE, L | | BL | | ヒンジ L | |
| * | 2-30 | V6005200 | HINGE, L | | TI | | ヒンジ L | |
| | 2-31 | V6005400 | HINGE, R | | GD | | ヒンジ R | 01 |
| * | 2-31 | V6005300 | HINGE, R | | BL | | ヒンジ R | |
| * | 2-31 | V6005500 | HINGE, R | | TI | | ヒンジ R | |
| | 2-32 | V4593300 | SPRING, LID | | | | スプリング／リッド | |
| | 2-33 | V9124600 | DAMPER, GEAR | | | | ダンパー／ギヤ | 03 |
| | 2-34 | VQ368600 | PUSH RIVET | P3555-B | | | プッシュリベット | 01 |
| | 2-36 | VY940400 | CUSHION, LID | T=0.8 | | | クッション／ＬＩＤ | 01 |
| * | 2-38 | WC144500 | CUSHION/ 5X10 | 5x10 | | | クッション／５Ｘ１０ | |

※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

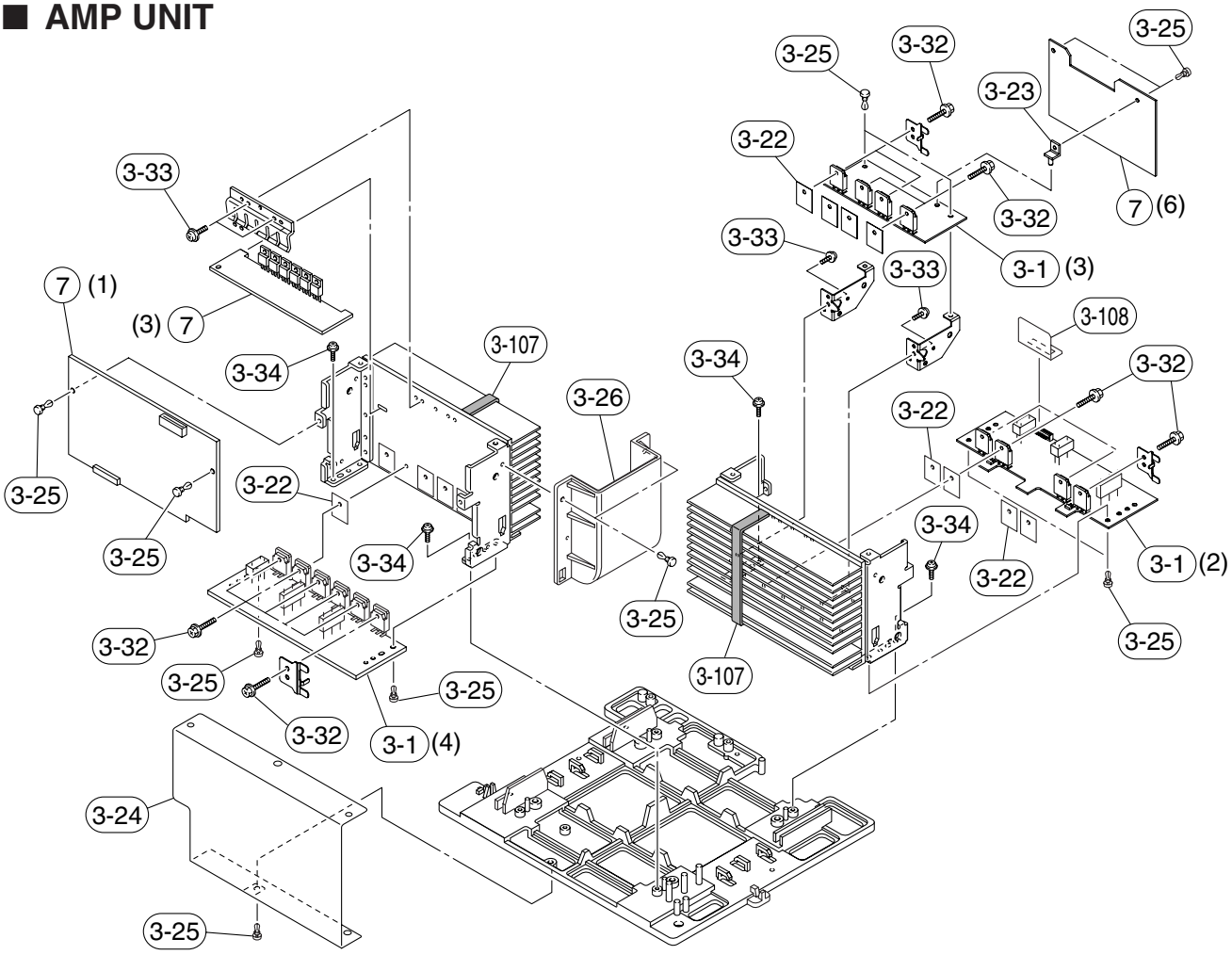
# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * | 2-46 | WC308000 | SPACER/HINGE | | | | スペーサー／ヒンジ | |
| | 2-52 | EP600250 | BIND HEAD B-TIGHT SCREW | 3x8 MFZN2Y | | | バインドＢタイトネジ | 01 |
| | 2-53 | VG863900 | BIND HEAD TAPPING SCREW | 2.6x6 MFZN2BL | | | バインドＴＰネジ | |
| | 2-54 | EP630220 | BIND HEAD P-TIGHT SCREW | 3x8 MFZN2BL | | | バインドＰタイトネジ | 01 |
| | 2-55 | VE529700 | PW HEAD B-TIGHT SCREW | 3x6-8 MFC2BL | | | ＰＷヘッドＢタイトネジ | 01 |
| | 2-56 | VK173200 | SCREW, TRANSISTOR | 3x15 SP MFC2 | | | スクリューＴＲ | 01 |

＊New Parts　＊ 新規部品（マーク#の部品は、基板に含まれません）

# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

## ■ AMP UNIT

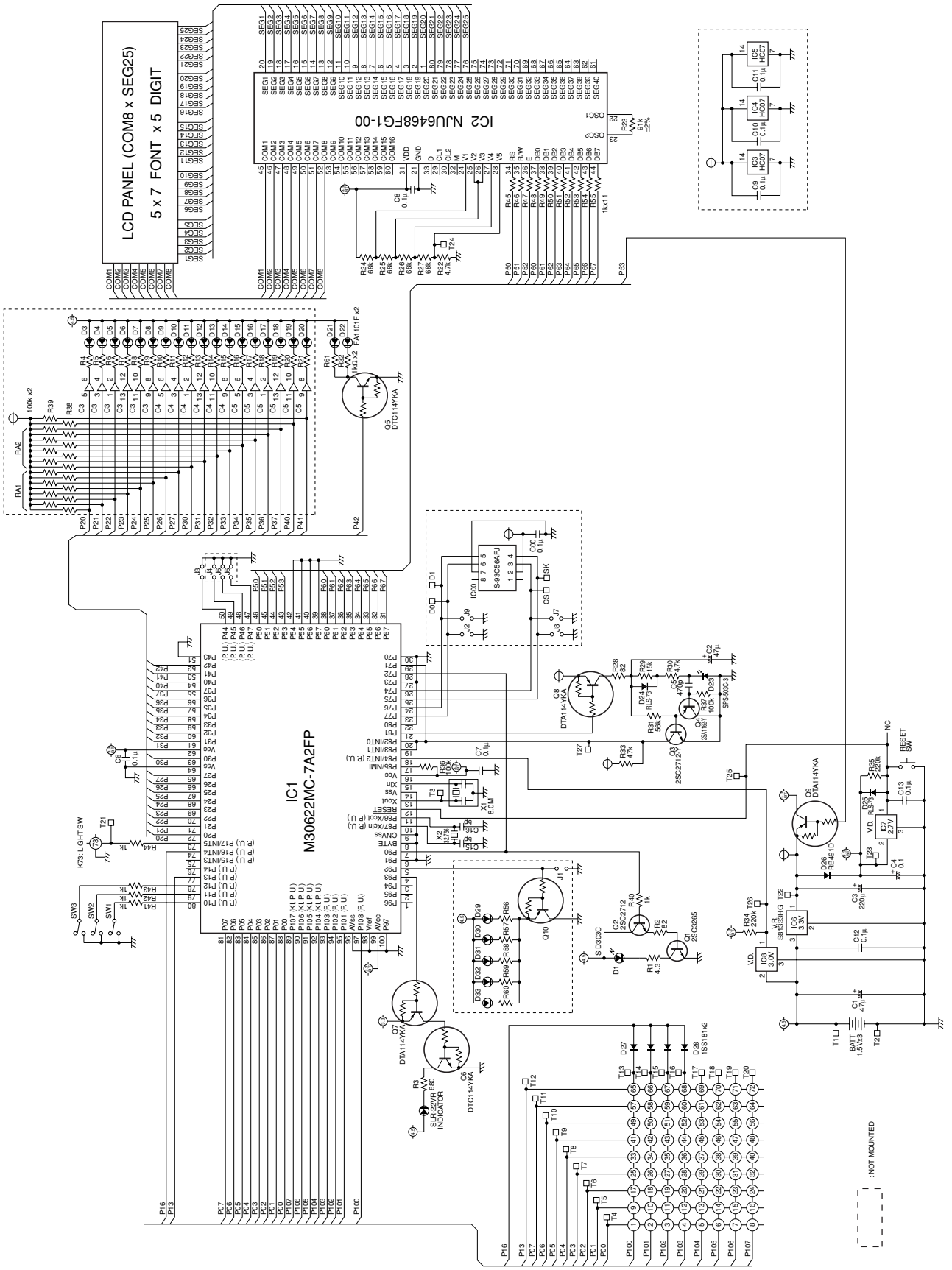



| | Schm Ref. | PART NO. | Description | | Remarks | Markets | 部 品 名 | Rank |
|---|---|---|---|---|---|---|---|---|
| * ⚠ | 3-1 | WB722400 | P.C.B. ASS'Y | MAIN | | J | ＰＣＢメイン | |
| * ⚠ | 3-1 | WB722500 | P.C.B. ASS'Y | MAIN | | UCRTA | ＰＣＢメイン | |
| * ⚠ | 3-1 | WB722600 | P.C.B. ASS'Y | MAIN | | KBGL | ＰＣＢメイン | |
| | 3-22 | VV849300 | SHEET | 19x24 | | | シート／放熱 | 01 |
| * | 3-23 | CB091290 | SUPPORT, P.C.B. | No.1645 | | | 基板サポート | 01 |
| * | 3-24 | WB955600 | SHEET/SHIELD 1400 | | | | シート／シールド | |
| | 3-25 | VQ368600 | PUSH RIVET | P3555-B | | | プッシュリベット | 01 |
| | 3-26 | V9120600 | DUCT | | | | ダクト | 02 |
| | 3-32 | VK173200 | SCREW, TRANSISTOR | 3x15 SP MFC2 | | | スクリューＴＲ | 01 |
| | 3-33 | VT669300 | PW HEAD B-TIGHT SCREW | 3x8-8 MFC2 | | | ＰＷヘッドＢタイトネジ | 01 |
| | 3-34 | VB770200 | PW HEAD P-TIGHT SCREW | 3x10-8 MFC2 | | | ＰＷヘッドＰタイトネジ | 01 |
| | 3-107 | VP922500 | DAMPER | 2x10x170 | | | ダンパー | 01 |
| * | 3-108 | WC558300 | SPACER/PCB | | | | スペーサー／ＰＣＢ | |
| * ⚠ | 7 | WB723900 | P.C.B. ASS'Y | POWER | | J | ＰＣＢパワー | |
| * ⚠ | 7 | WB724000 | P.C.B. ASS'Y | POWER | | UC | ＰＣＢパワー | |
| * ⚠ | 7 | WB724100 | P.C.B. ASS'Y | POWER | | R | ＰＣＢパワー | |
| * ⚠ | 7 | WB724300 | P.C.B. ASS'Y | POWER | | TK | ＰＣＢパワー | |
| * ⚠ | 7 | WB724400 | P.C.B. ASS'Y | POWER | | A | ＰＣＢパワー | |
| * ⚠ | 7 | WB724500 | P.C.B. ASS'Y | POWER | | B | ＰＣＢパワー | |
| * ⚠ | 7 | WB724600 | P.C.B. ASS'Y | POWER | | G | ＰＣＢパワー | |
| * ⚠ | 7 | WB724700 | P.C.B. ASS'Y | POWER | | L | ＰＣＢパワー | |

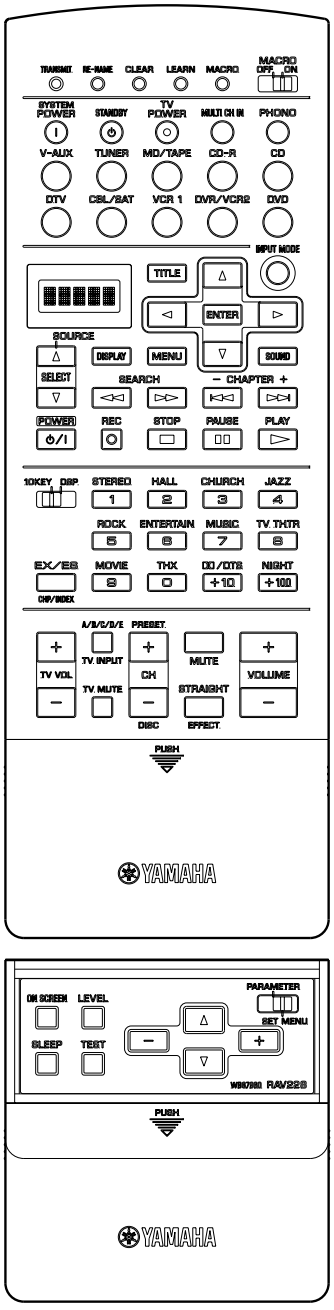
※ New Parts ＊ 新規部品（マーク#の部品は、基板に含まれません）

# RX-V2400/RX-V2400RDS/DSP-AX2400

## ■ REMOTE CONTROL RAV228



# RX-V2400/RX-V2400RDS/DSP-AX2400




## Initial Code

| Key No. | Key Name | YPC | DSP ※1 | Zone ※2 MAIN | ZONE2 ※4 | ZONE3 ※5 | SYSTEM ※6 |
|---|---|---|---|---|---|---|---|
| 1 | — | — | — | — | — | — | — |
| 2 | RE-NAME | — | — | — | — | — | — |
| 3 | CLEAR | — | — | — | — | — | — |
| 4 | LEARN | — | — | — | — | — | — |
| 5 | MACRO | — | — | — | — | — | — |
| 6 | POWER on | ※7A-1D | 7D-90 | ※,※3 7E-7E | ※7E-BA | ※7A-ED | ※7A-1D |
| 7 | STANDBY | 7A-1E | 7D-91 | ※3 7E-7F | 7E-BB | 7A-EE | 7A-1E |
| 8 | TV POWER | — | — | — | — | — | — |
| 9 | MULTI CH INPUT | 7A-87 | 7D-8C | 7A-87 | | | ← |
| 10 | PHONO | 7A-14 | 7D-88 | 7A-14 | 7A-D0 | 7A-F1 | ← |
| 11 | V-AUX | 7A-55 | 7D-8A | 7A-55 | 7A-D8 | 7A-F0 | ← |
| 12 | TUNER | 7A-16 | 7D-89 | 7A-16 | 7A-D2 | 7A-F3 | ← |
| 13 | MD/TAPE | 7A-18 | 7D-8B | 7A-18 | 7A-D3 | 7A-F4 | ← |
| 14 | CD-R | 7A-19 | 7D-99 | 7A-19 | 7A-D4 | 7A-F5 | ← |
| 15 | CD | 7A-15 | 7D-87 | 7A-15 | 7A-D1 | 7A-F2 | ← |
| 16 | D-TV | 7A-54 | 7D-84 | 7A-54 | 7A-D9 | 7A-F6 | ← |
| 17 | CBL/SAT | 7A-C0 | 7D-96 | 7A-C0 | 7A-CC | 7A-F7 | ← |
| 18 | VCR1 | 7A-0F | 7D-81 | 7A-0F | 7A-D6 | 7A-F9 | ← |
| 19 | DVR/VCR2 | 7A-13 | 7D-82 | 7A-13 | 7A-D7 | 7A-FA | ← |
| 20 | DVD | 7A-C1 | 7D-97 | 7A-C1 | 7A-CD | 7A-FC | ← |
| 21 | INPUT MODE | 7A-C3 | — | 7A-C3 | | | ← |

| | Device | DVD (K20) | CD-R (K14) | CD (K15) | MD/TAPE (K13) | TUNER (K12) |
|---|---|---|---|---|---|---|
| | SW2 | | | 10 key | | |
| 22 | Up | 7C-B4 | — | — | — | — |
| 23 | TITLE | 7C-B1 | — | — | — | — |
| 24 | Left | 7C-B5 | — | — | — | — |
| 25 | ENTER | 7C-B8 | — | — | — | — |
| 26 | Right | 7C-B6 | — | — | — | — |
| 27 | SOUND | 7C-AD | — | — | — | — |
| 28 | Down | 7C-B3 | — | — | — | — |
| 29 | MENU | 7C-B2 | — | — | — | — |
| 30 | DISPLAY | 7C-A6 | 7F-9E | 79-0A | 79-A5 | — |
| 31 | REW (SEARCH) | 7C-86 | 7F-88 | 7A-0D | 79-AC | — |
| 32 | FF (SEARCH) | 7C-87 | 7F-89 | 7A-0C | 79-AD | — |
| 33 | CHP/SKIP - | 7C-B9 | 7F-86 | 7A-0B | 79-AB | — |
| 34 | CHP/SKIP + | 7C-BA | 7F-87 | 7A-0A | 79-AE | — |
| 35 | PLAY | 7C-82 | 7F-82 | 7A-08 | 79-A8 | — |
| 36 | PAUSE | 7C-83 | 7F-83 | 7A-09 | 79-A9 | — |
| 37 | STOP | 7C-85 | 7F-84 | 7A-09 | 79-AA | — |
| 38 | REC | 7C-B7 | — | — | 79-AF | — |
| 39 | POWER | — | — | — | — | — |
| 40 | SELECT down | — | — | — | — | — |
| 41 | SELECT up | — | — | — | — | — |
| 42 | PRG1 | 7C-94 | 7F-91 | 79-11 | 79-85 | 7A-E5 |
| 43 | PRG2 | 7C-95 | 7F-92 | 79-12 | 79-86 | 7A-E6 |
| 44 | PRG3 | 7C-96 | 7F-93 | 79-13 | 79-87 | 7A-E7 |
| 45 | PRG4 | 7C-97 | 7F-94 | 79-14 | 79-88 | 7A-E8 |
| 46 | PRG5 | 7C-98 | 7F-95 | 79-15 | 79-89 | 7A-E9 |
| 47 | PRG6 | 7C-99 | 7F-96 | 79-16 | 79-8A | 7A-EA |
| 48 | PRG7 | 7C-9A | 7F-97 | 79-17 | 79-8B | 7A-EB |
| 49 | PRG8 | 7C-9B | 7F-98 | 79-18 | 79-8C | 7A-EC |
| 50 | PRG9 | 7C-9C | 7F-99 | 79-19 | 79-8D | 7A-E1 |
| 51 | PRG10 | 7C-93 | 7F-90 | 79-10 | 79-8E | 7A-E2 |
| 52 | +10 | 7C-9D | 7F-9A | 79-1A | 79-8F | 7A-E3 |
| 53 | +100 | 7C-9F | 7F-8C | 79-0D | — | 7A-E4 |
| 54 | CHP/INDEX | 7C-9E | 7F-8A | 79-0B | — | 7A-E0 |
| 55 | TV VOL up | — | — | — | — | — |
| 56 | TV VOL down | — | — | — | — | — |
| 57 | TV INPUT | — | — | — | — | 7A-12 |
| 58 | TV MUTE | — | — | — | — | — |
| 59 | CH up | 7C-8B | — | 7A-4F | — | 7A-10 |
| 60 | CH down | 7C-8A | — | 7A-50 | — | 7A-11 |
| 61 | MUTE | | | | | |
| 62 | EFFECT | | | | | |
| 63 | VOLUME up | | | | | |
| 64 | VOLUME down | | | | | |

| | SW3 | Parameter | Set Menu | Parameter | Set Menu | Parameter | Set Menu | Parameter | Set Menu |
|---|---|---|---|---|---|---|---|---|---|
| 65 | ON SCREEN | 7A-C2 | | 7D-C2 | | 7A-C2 | | ← | |
| 66 | SLEEP | 7A-57 | | 7D-93 | | 7A-57 | | ← | |
| 67 | LEVEL | 7A-86 | | 7D-95 | | 7A-86 | | ← | |
| 68 | TEST | 7A-85 | | 7D-CA | | 7A-85 | | ← | |
| 69 | LEFT | 7A-C7 | 7A-9F | 7D-C7 | 7D-9F | 7A-C7 | 7A-9F | ← | ← |
| 70 | UP | 7A-C5 | 7A-9D | 7D-C5 | 7D-9D | 7A-C5 | 7A-9D | ← | ← |
| 71 | DOWN | 7A-C4 | 7A-9C | 7D-C4 | 7D-9C | 7A-C4 | 7A-9C | ← | ← |
| 72 | RIGHT | 7A-C6 | 7A-9E | 7D-C6 | 7D-9E | 7A-C6 | 7A-9E | ← | ← |

※1; These code are transmitted when "DSP" is set-up as AMP library.
※2; These code are transmitted when "ZONE" is set-up as AMP library.
※3; "MAIN" is shown on LCD for 2 second, then return to previous status.
※4; These code are transmitted when "ZONE2" is chosen with Select key.
※5; These code are transmitted when "ZONE3" is chosen with Select key.
※6; These code are transmitted when "SYSTEM" is chosen with Select key.
In case the key except K6 or K7 pressed, return to previous status and transmit the code it is has.
※; Transmitting Code of K6, "7A-1D", "7E-7E", "7E-BA", "7A-ED"
Full word transmitted twice.

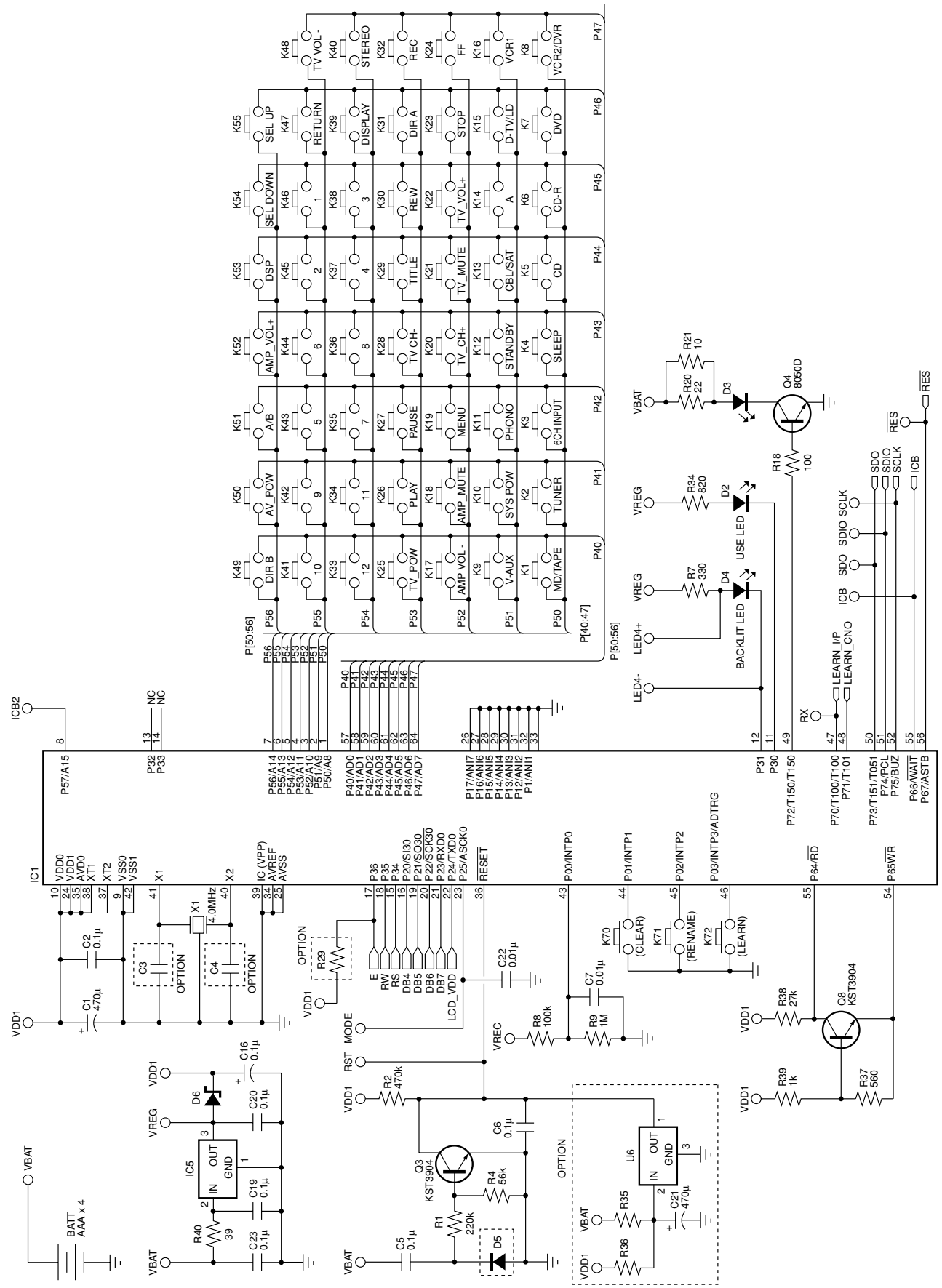
※1; AMPライブラリをDSPに設定することで送信される。
※2; AMPライブラリをZONEに設定することで送信される。
※3; LCD上に2秒間"MAIN"が表示され、その後元の状態に戻る。
※4; Selectキーによってzone2を選択することで送信される。
※5; Selectキーによってzone3を選択することで送信される。
※6; SelectキーによってSYSTEMを選択することで送信される。
K6またはK7以外のキーを押した場合、前の状態に戻り、持っているコードが送信される。
※; K6送信コード"7A-1D"、"7E-7E"、"7E-BA"、"7A-ED"について
フルワードが2回送信される。

## Initial Macro setup

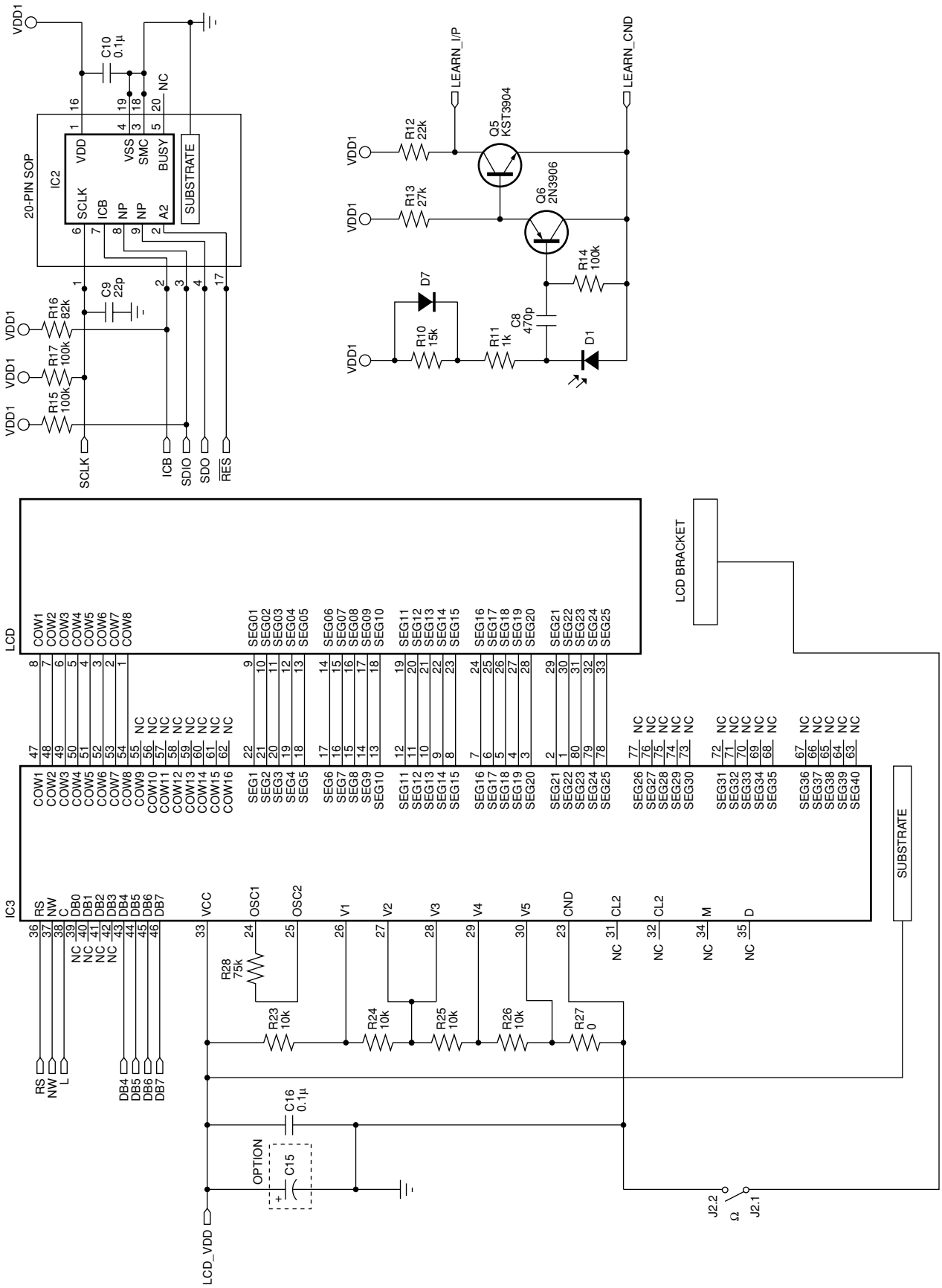
| Key No. | Key Name | 1 | 2 | 3 | | 4~10 |
|---|---|---|---|---|---|---|
| 6 | POWER on | K6 | K8 | — | | — |
| 7 | STANDBY | K7 | — | — | | — |
| 8 | TV POWER | K8 | — | — | | — |
| 9 | MULTI CH INPUT | K9 | — | — | | — |
| 10 | PHONO | K6 | K10 | — | | — |
| 11 | V-AUX | K6 | K11 | — | | — |
| 12 | TUNER | K6 | K12 | — | | — |
| 13 | MD/TAPE | K6 | K13 | K35 | MD | — |
| 14 | CD-R | K6 | K14 | K35 | CD-R | — |
| 15 | CD | K6 | K15 | K35 | CD | — |
| 16 | DTV | K6 | K16 | — | | — |
| 17 | CBL/SAT | K6 | K17 | — | | — |
| 18 | VCR1 | K6 | K18 | K35 | VCR1 | — |
| 19 | DVR/VCR2 | K6 | K19 | K35 | VCR2 | — |
| 20 | DVD | K6 | K20 | K35 | DVD | — |

# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

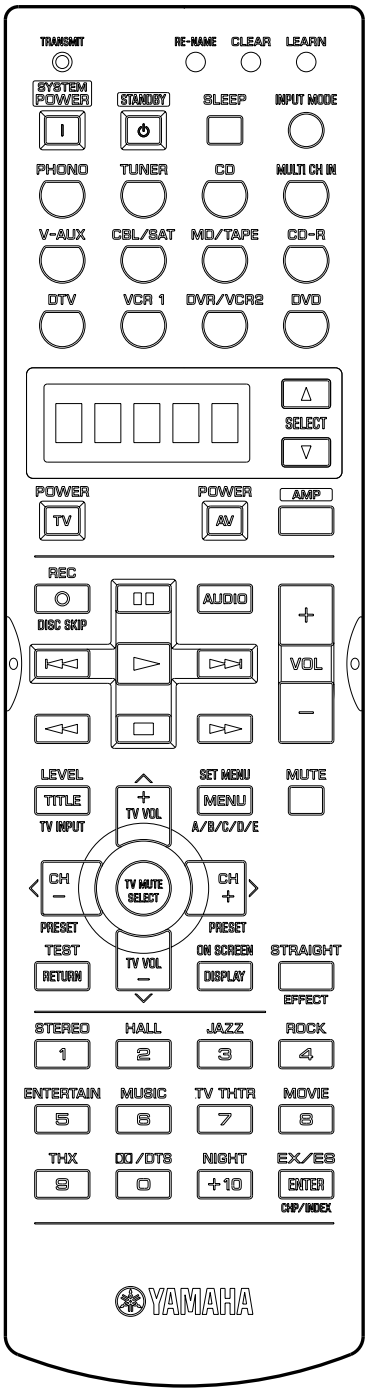
## ■ REMOTE CONTROL RAV238, RAV239



# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400



# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400




| No. | Label | Schematic Key No. | Learn Table |
|---|---|---|---|
| – | TRANSMIT (LED) | – | – |
| | – | – | – |
| 1 | RE-NAME (LED) | – | – |
| 2 | CLEAR (LED) | – | – |
| 3 | LEARN (LED) | – | – |
| 4 | SYSTEM POWER | K10 | O |
| 5 | STANDBY | K12 | O |
| 6 | SLEEP | K4 | O |
| 7 | INPUT MODE | K3 | O |
| 8 | PHONO | K14 | O |
| 9 | TUNER | K11 | O |
| 10 | CD | K2 | O |
| 11 | MULTI CH IN | K5 | O |
| 12 | V-AUX | K9 | O |
| 13 | CBL/SAT | K13 | O |
| 14 | MD/TAPE | K1 | O |
| 15 | CD-R | K6 | O |
| 16 | DTV | K15 | O |
| 17 | VCR 1 | K16 | O |
| 18 | DVR/VCR2 | K8 | O |
| 19 | DVD | K7 | O |
| 20 | Δ | K55 | – |
| 21 | ∇ | K54 | – |
| 22 | POWER [TV] | K25 | O |
| 23 | POWER [AV] | K50 | O |
| 24 | AMP | – | – |
| 25 | REC [O] | K32 | O |
| 26 | ▯▯ | K27 | O |
| 27 | AUDIO | K51 | O |
| 28 | ⏮ | K31 | O |
| 29 | ▷ | K26 | O |
| 30 | ⏭ | K49 | O |
| 31 | ◁◁ | K30 | O |
| 32 | ▭ | K23 | O |
| 33 | ▷▷ | K24 | O |
| 34 | VOL + | K52 | O |
| 35 | VOL - | K17 | O |
| 36 | LEVEL [TITLE] | K29 | O |
| 37 | TV VOL + | K22 | O |
| 38 | SET MENU [MENU] | K19 | O |
| 39 | CH - | K28 | O |
| 40 | TV MUTE SELECT | K21 | O |
| 41 | CH + | K20 | O |
| 42 | MUTE | K18 | O |
| 43 | TEST [RETURN] | K47 | O |
| 44 | TV VOL - | K48 | O |
| 45 | ON SCREEN [DISPLAY] | K39 | O |
| 46 | STRAIGHT | K40 | O |
| 47 | 1 | K46 | O |
| 48 | 2 | K45 | O |
| 49 | 3 | K38 | O |
| 50 | 4 | K37 | O |
| 51 | 5 | K43 | O |
| 52 | 6 | K44 | O |
| 53 | 7 | K35 | O |
| 54 | 8 | K36 | O |
| 55 | 9 | K42 | O |
| 56 | 0 | K41 | O |
| 57 | +10 | K34 | O |
| 58 | ENTER | K33 | O |

*1; These code are transmitted when "ZONE" is set-up as AMP library.
*2; "MAIN" is shown on LCD for 2 second, then return to previous status.
*3; These code are transmitted when "ZONE2" is chosen with Select key.
*4; These code are transmitted when "ZONE3" is chosen with Select key.
*5; These code are transmitted when "SYSTEM" is chosen with Select key.
In case the key except K6 or K7 pressed, return to previous status and transmit the code it is has.

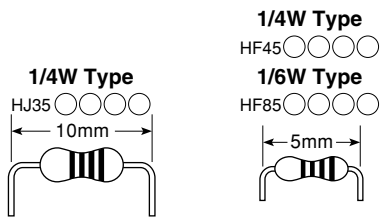
*1; AMPライブラリをZONEに設定することで送信される。
*2; LCD上に2秒間"MAIN"が表示され、その後元の状態に戻る。
*3; SelectキーによってZONE2を選択することで送信される。
*4; SelectキーによってZONE3を選択することで送信される。
*5; SelectキーによってSYSTEMを選択することで送信される。
K6またはK7以外のキーを押した場合、前の状態に戻り、持っているコードが送信される。

# RX-V1400/RX-V1400RDS/HTR-5690/DSP-AX1400

| Common | YPC | ZONE (Multi ZONE) *1 | | | | YAMAHA Signal | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MAIN | ZONE2 *3 | ZONE2 *4 | SYSTEM *5 | | | | | | | | | | | | |
| – | – | – | – | – | – | Linked with IR signal | | | | | | | | | | | |
| – | | | | | | – | | | | | | | | | | | |
| – | – | can not use | | | | Change to RE-NAME mode | | | | | | | | | | | |
| – | – | | | | | Change to CLEAR mode (Learning clear, preset clear, 1 key clear, all key clear) | | | | | | | | | | | |
| – | – | | | | | Change to LEARNING or PRESET mode | | | | | | | | | | | |
| O | 7A-1D | 7E-7E *2 | 7E-BA | 7A-ED | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D | 7A-1D |
| O | 7A-1E | 7E-7F *2 | 7E-BB | 7A-EE | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E | 7A-1E |
| O | 7A-57 | | 7A-57 | | | 7A-57 | 7A-57 | 7A-57 | 7A-57 | 7A-57 | 7A-57 | 7A-57 | 7A-57 | 7A-57 | 7A-57 | 7A-57 | 7A-57 |
| O | 7A-C3 | | 7A-C3 | | | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 | 7A-C3 |
| O | 7A-14 | 7A-14 | 7A-D0 | 7A-F1 | | | | Output IR signal & change Device mode (default: no signal) | | | | | | | PHONO | PHO | TV | nothing |
| O | 7A-16 | 7A-16 | 7A-D2 | 7A-F3 | | | | Output IR signal & change Device mode | | | | | | | TUNER | TUN | TUNER | YAMAHA |
| O | 7A-15 | 7A-15 | 7A-D1 | 7A-F2 | | | | Output IR signal & change Device mode | | | | | | | CD | CD | CD | YAMAHA |
| O | 7A-87 | 7A-87 | 7A-87 | 7A-87 | | 7A-87 | 7A-87 | 7A-87 | 7A-87 | 7A-87 | 7A-87 | 7A-87 | 7A-87 | 7A-87 | 7A-87 | 7A-87 | 7A-87 |
| O | 7A-55 | 7A-55 | 7A-D8 | 7A-F0 | | <INPUT Key> | | Output IR signal & change Device mode | | | | | | | V-AUX | AUX | VCR | nothing |
| O | 7A-C0 | 7A-C0 | 7A-CC | 7A-F7 | | | | Output IR signal & change Device mode | | | | | | | CBSAT | SAT | CABLE | nothing |
| O | 7A-18 | 7A-18 | 7A-D3 | 7A-F4 | | | | Output IR signal & change Device mode | | | | | | | MD | MD | MD | YAMAHA |
| O | 7A-19 | 7A-19 | 7A-D4 | 7A-F5 | | | | Output IR signal & change Device mode | | | | | | | CD-R | CDR | CD-R | YAMAHA |
| O | 7A-54 | 7A-54 | 7A-D9 | 7A-F6 | | | | Output IR signal & change Device mode | | | | | | | DTV | DTV | TV | nothing |
| O | 7A-0F | 7A-0F | 7A-D6 | 7A-F9 | | | | Output IR signal & change Device mode | | | | | | | VCR1 | VR1 | VCR | nothing |
| O | 7A-13 | 7A-13 | 7A-D7 | 7A-FA | | | | Output IR signal & change Device mode | | | | | | | DVR | DVR | VCR | nothing |
| O | 7A-C1 | 7A-C1 | 7A-CD | 7A-FC | | | | Output IR signal & change Device mode | | | | | | | DVD | DVD | DVD | YAMAHA-1 |
| – | – | – | – | | | DEVICE SELECT Key | | Select Device mode (up) | | | | | | | | | | |
| – | – | – | – | | | | | Select Device mode (down) | | | | | | | | | | |
| | | | | | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | YPC |
| | | | | | | PHONO | TUNER | CD | CH INPUT | V-AUX | CBL/SAT | MD/TAPE | CD-R | DTV | VCR1 | DVR/VCR2 | DVD | AMP |
| – | – | – | – | – | | – | – | – | | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | | – | – | – | | – | – | – | – | – | – | – | 7C-80 | 7C-80 |
| O | – | – | – | – | | | | | | | | | | | | | | |
| – | – | – | – | – | | – | – | 7A-4F | | – | – | 79-AF | – | – | – | – | 7C-8B | 7C-8B |
| – | – | – | – | – | | – | – | 7A-09 | | – | – | 79-A9 | 7F-83 | – | – | – | 7C-83 | 7C-83 |
| – | – | – | – | – | | – | – | – | | – | – | – | – | – | – | – | 7C-AD | 7C-AD |
| – | – | – | – | – | | – | – | 7A-0B | | – | – | 79-AB | 7F-86 | – | – | – | 7C-B9 | 7C-B9 |
| – | – | – | – | – | | – | – | 7A-08 | | – | – | 79-A8 | 7F-82 | – | – | – | 7C-82 | 7C-82 |
| – | – | – | – | – | | – | – | 7A-0A | | – | – | 79-AE | 7F-87 | – | – | – | 7C-BA | 7C-BA |
| – | – | – | – | – | | – | – | 7A-0D | | – | – | 79-AC | 7F-88 | – | – | – | 7C-86 | 7C-86 |
| – | – | – | – | – | | – | – | 7A-09 | | – | – | 79-AA | 7F-84 | – | – | – | 7C-85 | 7C-85 |
| – | – | – | – | – | | – | – | 7A-0C | | – | – | 79-AD | 7F-89 | – | – | – | 7C-87 | 7C-87 |
| O | 7A-1A | 7A-1A | 7A-DA | 7A-FD | | 7A-1A | 7A-1A | 7A-1A | | 7A-1A | 7A-1A | 7A-1A | 7A-1A | 7A-1A | 7A-1A | 7A-1A | 7A-1A | 7A-1A |
| O | 7A-1B | 7A-1B | 7A-DB | 7A-FE | | 7A-1B | 7A-1B | 7A-1B | | 7A-1B | 7A-1B | 7A-1B | 7A-1B | 7A-1B | 7A-1B | 7A-1B | 7A-1B | 7A-1B |
| – | – | – | – | – | | – | – | – | | – | – | – | – | – | – | – | 7C-B1 | 7A-85 |
| – | – | – | – | – | | – | – | – | | – | – | – | – | – | – | – | 7C-B4 | 7A-98 |
| – | – | – | – | – | | – | 7A-12 | – | | – | – | – | – | – | – | – | 7C-B2 | 7A-9C |
| – | – | – | – | – | | – | 7A-11 | – | | – | – | – | – | – | – | – | 7C-B5 | 7A-53 |
| – | – | – | – | – | | – | – | – | | – | – | – | – | – | – | – | 7C-B8 | 7A-DE |
| – | – | – | – | – | | – | 7A-10 | – | | – | – | – | – | – | – | – | 7C-B6 | 7A-52 |
| O | 7A-1C | 7A-1C | 7A-DC | 7A-FF | | 7A-1C | 7A-1C | 7A-1C | | 7A-1C | 7A-1C | 7A-1C | 7A-1C | 7A-1C | 7A-1C | 7A-1C | 7A-1C | 7A-1C |
| – | – | – | – | – | | – | – | – | | – | – | – | – | – | – | – | 7C-B7 | 7A-85 |
| – | – | – | – | – | | – | – | – | | – | – | – | – | – | – | – | 7C-B3 | 7A-99 |
| – | – | – | – | – | | – | – | 79-0A | | – | – | 79-A5 | 7F-9E | – | – | – | 7C-A6 | 7A-C2 |
| O | 7A-56 | 7A-56 | 7A-56 | 7A-56 | | 7A-56 | 7A-56 | 7A-56 | | 7A-56 | 7A-56 | 7A-56 | 7A-56 | 7A-56 | 7A-56 | 7A-56 | 7A-56 | 7A-56 |
| – | – | – | – | – | | – | 7A-E5 | 79-11 | | – | – | 79-85 | 7F-91 | – | – | – | 7C-94 | 7A-88 |
| – | – | – | – | – | | – | 7A-E6 | 79-12 | | – | – | 79-86 | 7F-92 | – | – | – | 7C-95 | 7A-89 |
| – | – | – | – | – | | – | 7A-E7 | 79-13 | | – | – | 79-87 | 7F-93 | – | – | – | 7C-96 | 7A-8A |
| – | – | – | – | – | | – | 7A-E8 | 79-14 | | – | – | 79-88 | 7F-94 | – | – | – | 7C-97 | 7A-8B |
| – | – | – | – | – | | – | 7A-E9 | 79-15 | | – | – | 79-89 | 7F-95 | – | – | – | 7C-98 | 7A-8C |
| – | – | – | – | – | | – | 7A-EA | 79-16 | | – | – | 79-8A | 7F-96 | – | – | – | 7C-99 | 7A-8D |
| – | – | – | – | – | | – | 7A-EB | 79-17 | | – | – | 79-8B | 7F-97 | – | – | – | 7C-9A | 7A-8E |
| – | – | – | – | – | | – | 7A-EC | 79-18 | | – | – | 79-8C | 7F-98 | – | – | – | 7C-9B | 7A-8F |
| – | – | – | – | – | | – | – | 79-19 | | – | – | 79-8D | 7F-99 | – | – | – | 7C-9C | 7A-90 |
| – | – | – | – | – | | – | – | 79-10 | | – | – | 79-8E | 7F-90 | – | – | – | 7C-93 | 7A-91 |
| – | – | – | – | – | | – | – | 79-1A | | – | – | 79-8F | 7F-9A | – | – | – | 7C-9D | 7A-95 |
| – | – | – | – | – | | – | – | 79-CB | | – | – | – | 7F-8A | – | – | – | 7C-9E | 7A-97 |
| | | | | | | Learnable key (32 key x 11 modes + 4 common key) | | | | | | | | | | | | Fix |

# Parts List for Carbon Resistors

| Value | **1/4W** Type Part No. | **1/6W** Type Part No. | Value | **1/4W** Type Part No. | **1/6W** Type Part No. |
|---|---|---|---|---|---|
| 1.0 Ω | HJ35 3100 | HF85 3100 | 10 kΩ | HF45 7100 | HF45 7100 |
| 1.8 Ω | HJ35 3180 | ※ | 11 kΩ | HF45 7110 | HF45 7110 |
| 2.2 Ω | HJ35 3220 | HF85 3220 | 12 kΩ | HJ35 7120 | HF85 7120 |
| 3.3 Ω | HJ35 3330 | HF85 3330 | 13 kΩ | HF45 7130 | HF45 7130 |
| 4.7 Ω | HJ35 3470 | HF85 3470 | 15 kΩ | HF45 7150 | HF45 7150 |
| 5.6 Ω | HJ35 3560 | HF85 3560 | 18 kΩ | HF45 7180 | HF45 7180 |
| 10 Ω | HF45 4100 | HF45 4100 | 22 kΩ | HF45 7220 | HF45 7220 |
| 15 Ω | HJ35 4150 | HF85 4150 | 24 kΩ | HF45 7240 | HF45 7240 |
| 22 Ω | HF45 4220 | HF45 4220 | 27 kΩ | HJ35 7270 | HF85 7270 |
| 27 Ω | HJ35 4270 | HF85 4270 | 30 kΩ | HF45 7300 | HF45 7300 |
| 33 Ω | HF45 4330 | HF45 4330 | 33 kΩ | HF45 7330 | HF45 7330 |
| 39 Ω | HJ35 4470 | HF85 4390 | 36 kΩ | HF45 7360 | HF45 7360 |
| 47 Ω | HF45 4470 | HF45 4470 | 39 kΩ | HF45 7390 | HF45 7390 |
| 56 Ω | HF45 4560 | HF45 4560 | 47 kΩ | HF45 7470 | HF45 7470 |
| 68 Ω | HF45 4680 | HF45 4680 | 51 kΩ | HF45 7510 | HF45 7510 |
| 75 Ω | HF45 4750 | HF45 4750 | 56 kΩ | HF45 7560 | HF45 7560 |
| 82 Ω | HF45 4820 | HF45 4820 | 62 kΩ | HF45 7620 | HF45 7620 |
| 91 Ω | HF45 4910 | HF45 4910 | 68 kΩ | HF45 7680 | HF45 7680 |
| 100 Ω | HF45 5100 | HF45 5100 | 82 kΩ | HF45 7820 | HF45 7820 |
| 110 Ω | HJ35 5110 | HF85 5110 | 91 kΩ | HF45 7910 | HF45 7910 |
| 120 Ω | HF45 5120 | HF45 5120 | 100 kΩ | HF45 8100 | HF45 8100 |
| 150 Ω | HF45 5150 | HF45 5150 | 110 kΩ | HF45 8110 | HF45 8110 |
| 160 Ω | HJ35 5160 | ※ | 120 kΩ | HF45 8120 | HF45 8120 |
| 180 Ω | HF45 5180 | HF45 5180 | 150 kΩ | HF45 8150 | HF45 8150 |
| 200 Ω | HF45 5200 | HF45 5200 | 180 kΩ | HF45 8180 | HF45 8180 |
| 220 Ω | HF45 5220 | HF45 5220 | 220 kΩ | HJ35 8220 | HF85 8220 |
| 270 Ω | HF45 5270 | HF45 5270 | 270 kΩ | HF45 8270 | HF45 8270 |
| 330 Ω | HF45 5330 | HF45 5330 | 300 kΩ | HF45 8300 | HF45 8300 |
| 390 Ω | HF45 5390 | HF45 5390 | 330 kΩ | HF45 8330 | HF45 8330 |
| 430 Ω | HF45 5430 | HF45 5430 | 390 kΩ | HJ35 8390 | HF85 8390 |
| 470 Ω | HF45 5470 | HF45 5470 | 470 kΩ | HF45 8470 | HF45 8470 |
| 510 Ω | HF45 5510 | HF45 5510 | 560 kΩ | HJ35 8560 | HF85 8560 |
| 560 Ω | HF45 5560 | HF45 5560 | 680 kΩ | HJ35 8680 | HF85 8680 |
| 680 Ω | HF45 5680 | HF45 5680 | 820 kΩ | HJ35 8820 | HF85 8820 |
| 820 Ω | HF45 5820 | HF45 5820 | 1.0 MΩ | HF45 9100 | HF45 9100 |
| 910 Ω | HF45 5910 | HF45 5910 | 1.2 MΩ | HJ35 9120 | ※ |
| 1.0 kΩ | HF45 6100 | HF45 6100 | 1.5 MΩ | HJ35 9150 | HF85 9150 |
| 1.2 kΩ | HF45 6120 | HF45 6120 | 1.8 MΩ | HJ35 9180 | HF85 9180 |
| 1.5 kΩ | HF45 6150 | HF45 6150 | 2.2 MΩ | HJ35 9220 | HF85 9220 |
| 1.8 kΩ | HF45 6180 | HF45 6180 | 3.3 MΩ | HJ35 9330 | HF85 9330 |
| 2.0 kΩ | HJ35 6200 | HF85 6200 | 3.9 MΩ | HJ35 9390 | ※ |
| 2.2 kΩ | HF45 6220 | HF45 6220 | 4.7 MΩ | HJ35 9470 | HF85 9470 |
| 2.4 kΩ | HJ35 6240 | HF85 6240 | | | |
| 2.7 kΩ | HF45 6270 | HF45 6270 | | | |
| 3.0 kΩ | HF45 6300 | HF45 6300 | | | |
| 3.3 kΩ | HF45 6330 | HF45 6330 | | | |
| 3.6 kΩ | HJ35 6360 | HF85 6360 | | | |
| 3.9 kΩ | HF45 6390 | HF45 6390 | | | |
| 4.7 kΩ | HF45 6470 | HF45 6470 | | | |
| 5.1 kΩ | HF45 6510 | HF45 6510 | | | |
| 5.6 kΩ | HF45 6560 | HF45 6560 | | | |
| 6.8 kΩ | HF45 6680 | HF45 6680 | | | |
| 8.2 kΩ | HF45 6820 | HF45 6820 | | | |
| 9.1 kΩ | HF45 6910 | HF45 6910 | | | |




※ : Not available