

# AV RECEIVER

# RX-V571/HTR-5064

## 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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101210

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# YAMAHA

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'11.04

RX-V571/HTR-5064

## ■ TO SERVICE PERSONNEL

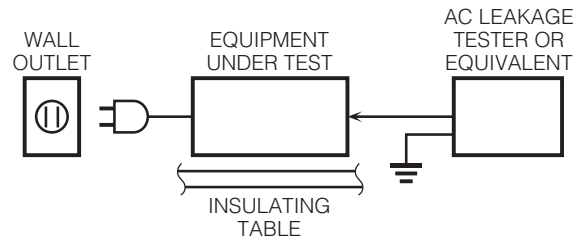
### 1. Critical Components Information

Components having special characteristics are marked  $\Delta$  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 ohms shunted by 0.15  $\mu$ F.



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



#### For U model “CAUTION”

“F3702: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE 6A, 125V FUSE.”

#### For C model CAUTION

F3702: REPLACE WITH SAME TYPE 6A, 125V FUSE.

#### ATTENTION

F3702: UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE DE 6A, 125V.

## WARNING: CHEMICAL CONTENT NOTICE!

This product contains chemicals known to the State of California to cause cancer, 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

All of the P.C.B.s installed in this unit and solder joints are soldered using the lead free 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:

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.

本機に搭載されているすべての基板およびハンダ付けによる接合部は無鉛ハンダでハンダ付けされています。

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。

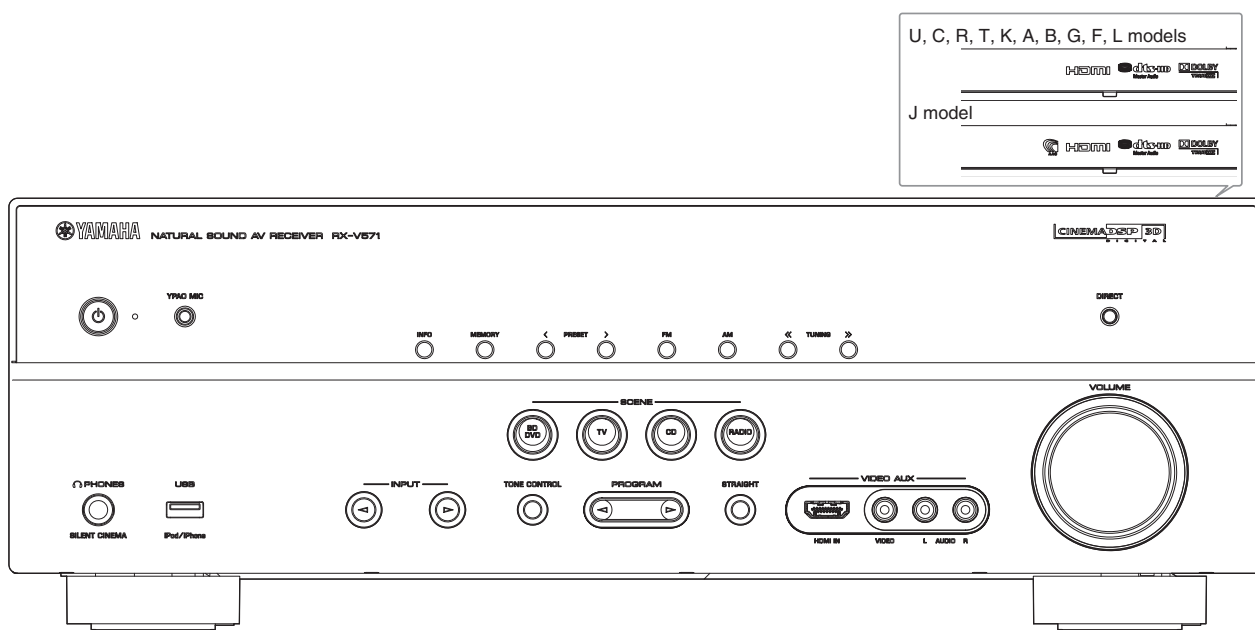
- Sn+Ag+Cu (錫 + 銀 + 銅)
- Sn+Cu (錫 + 銅)
- Sn+Zn+Bi (錫 + 亜鉛 + ビスマス)

#### 注意：

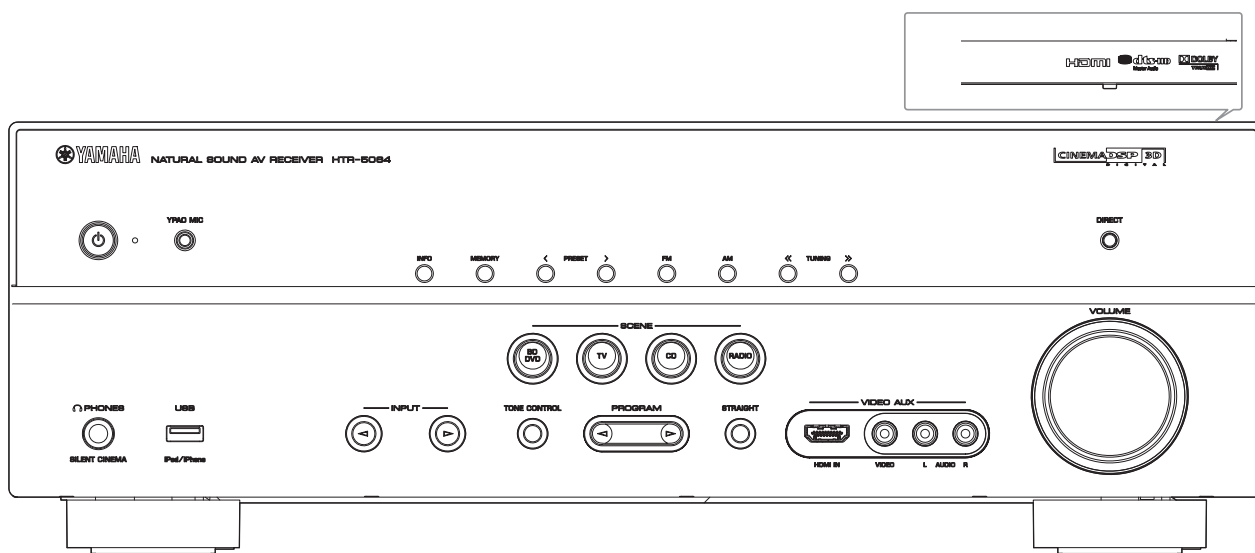
無鉛ハンダの融点温度は通常の鉛入りハンダに比べ 30 ～ 40°C程度高くなっていますので、それぞれのハンダに合ったハンダごてをご使用ください。

## FRONT PANELS

RX-V571 (U, C, R, T, K, A, B, G, F, L, J models)

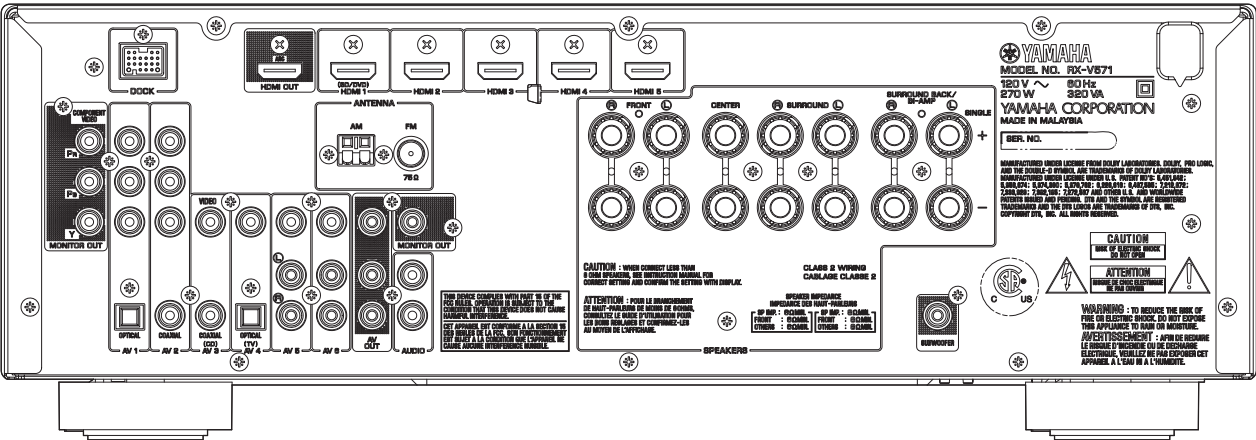


HTR-5064 (U, K, G, F models)

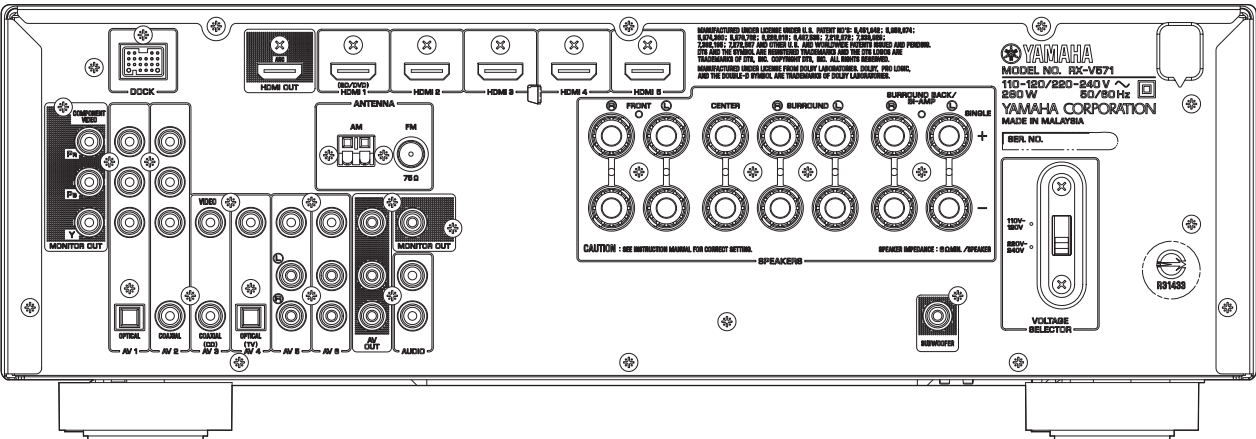


REAR PANELS

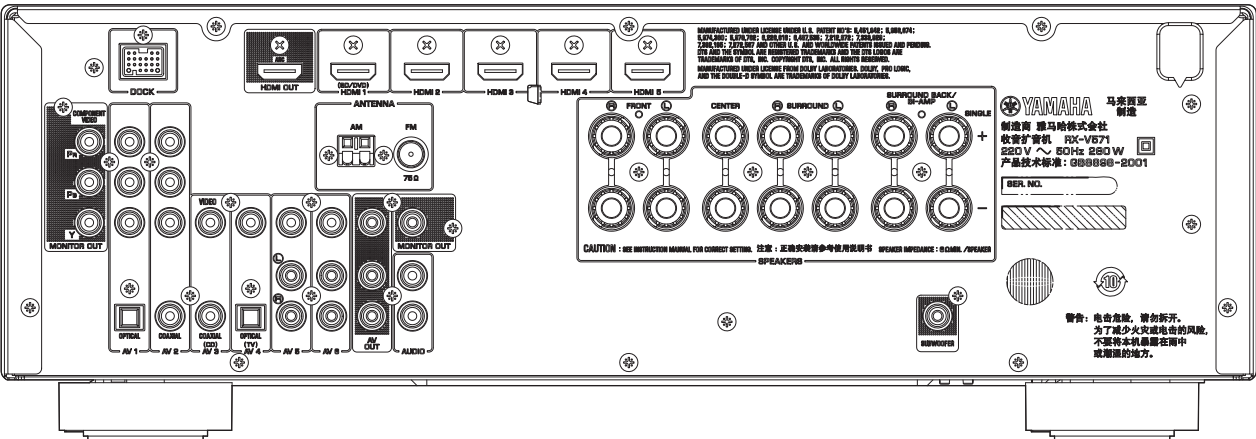
RX-V571 (U, C models)



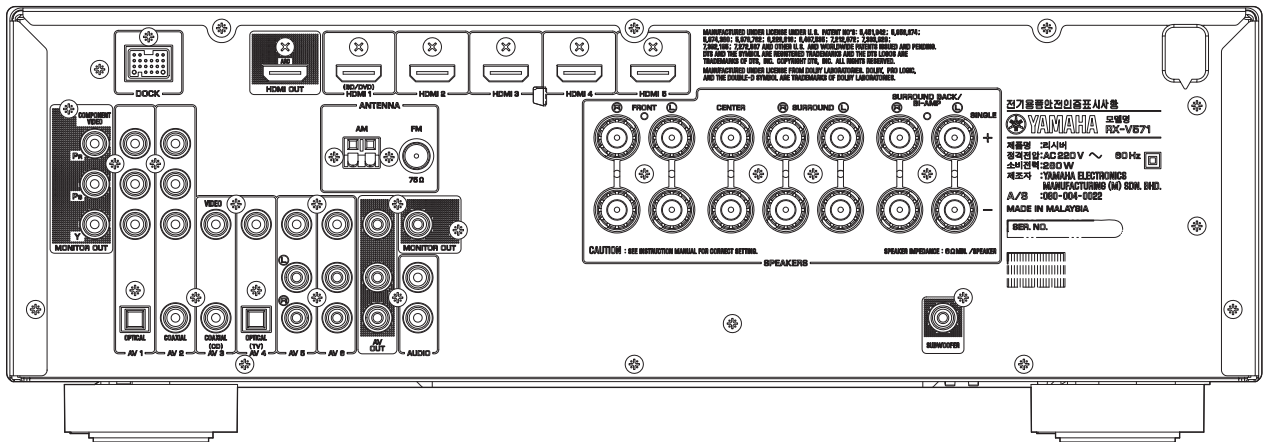
RX-V571 (R model)



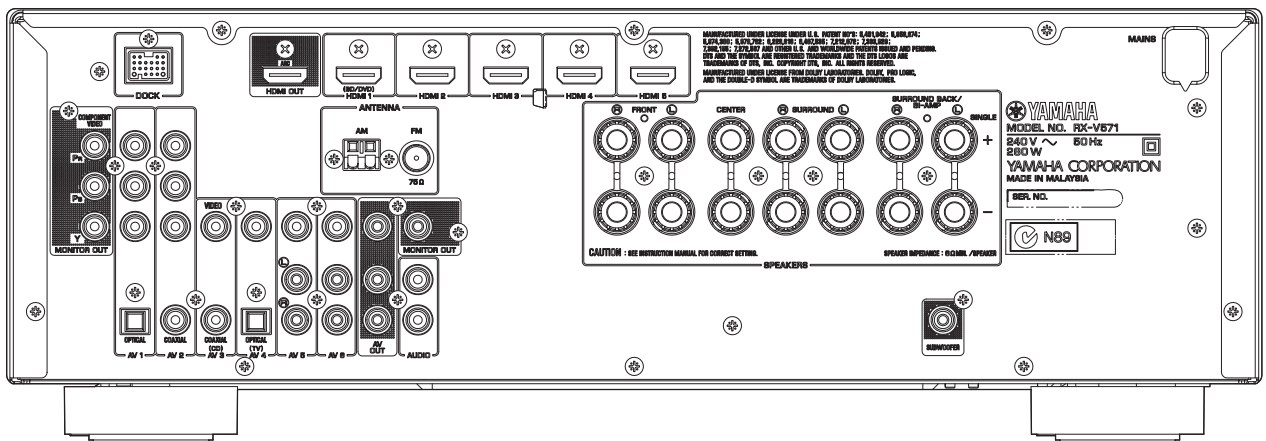
RX-V571 (T model)



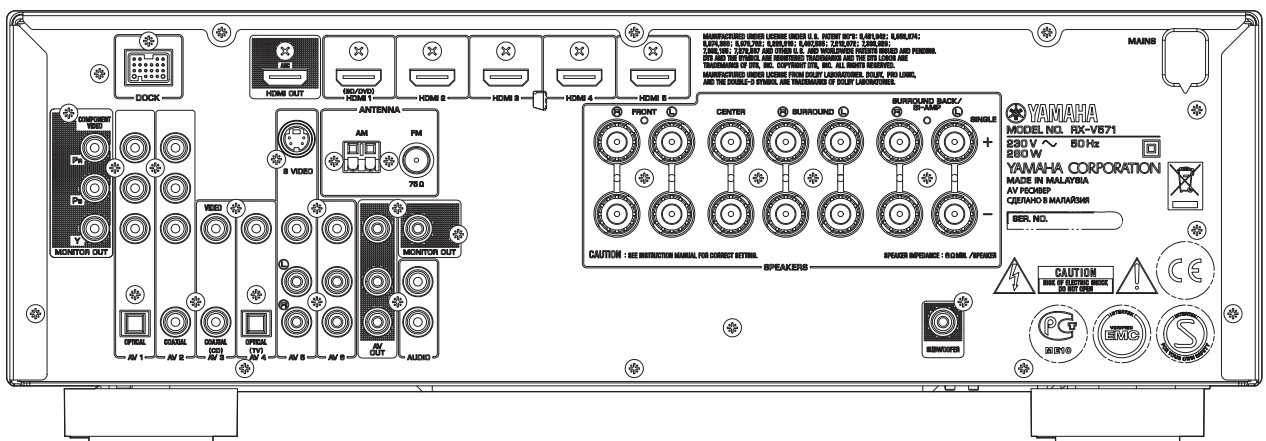
## RX-V571 (K model)



## RX-V571 (A model)

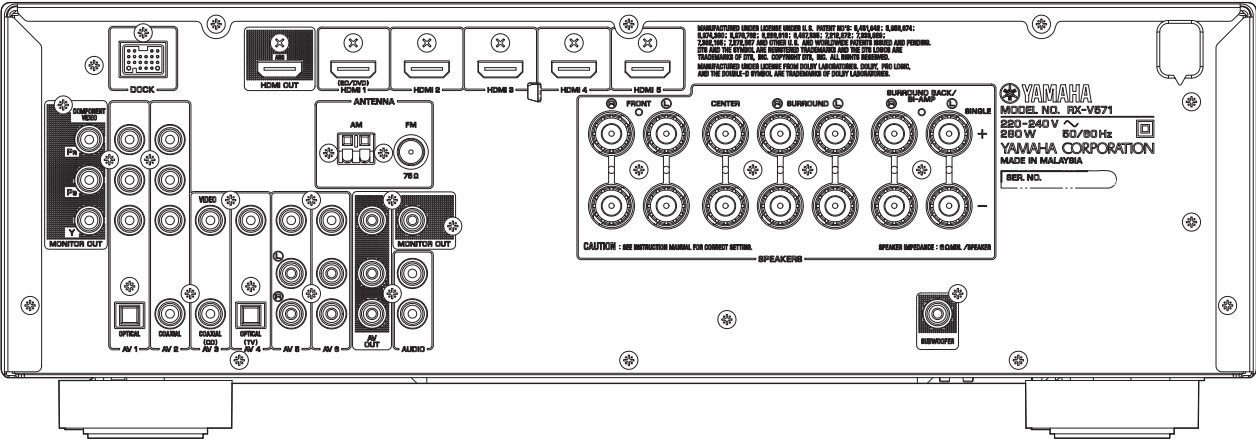


## RX-V571 (B, G, F models)

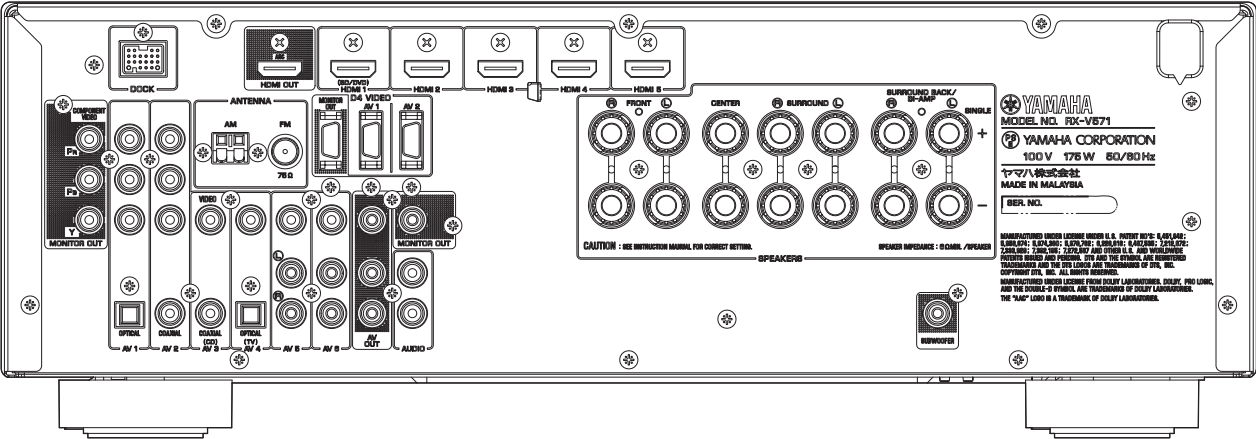


RX-V571/HTR-5064

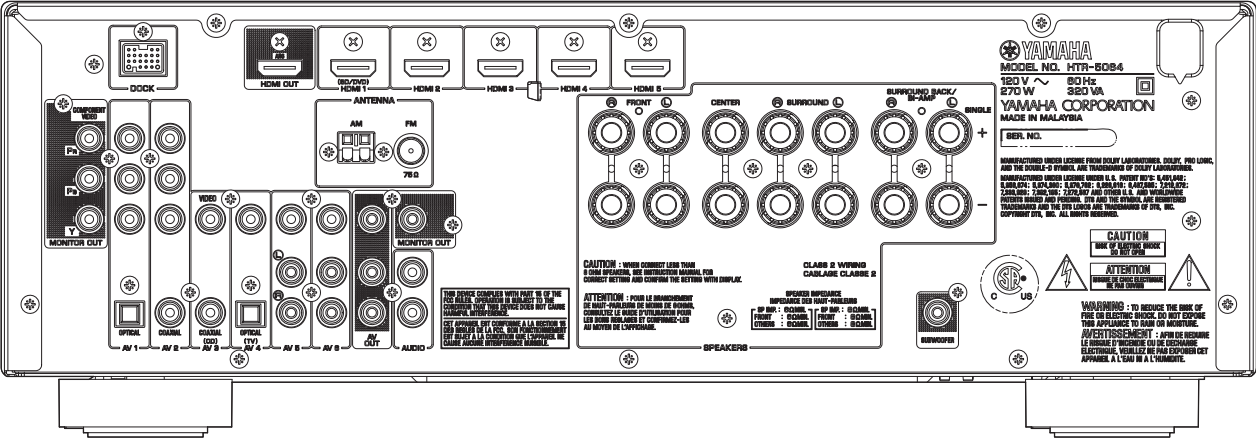
RX-V571 (L model)



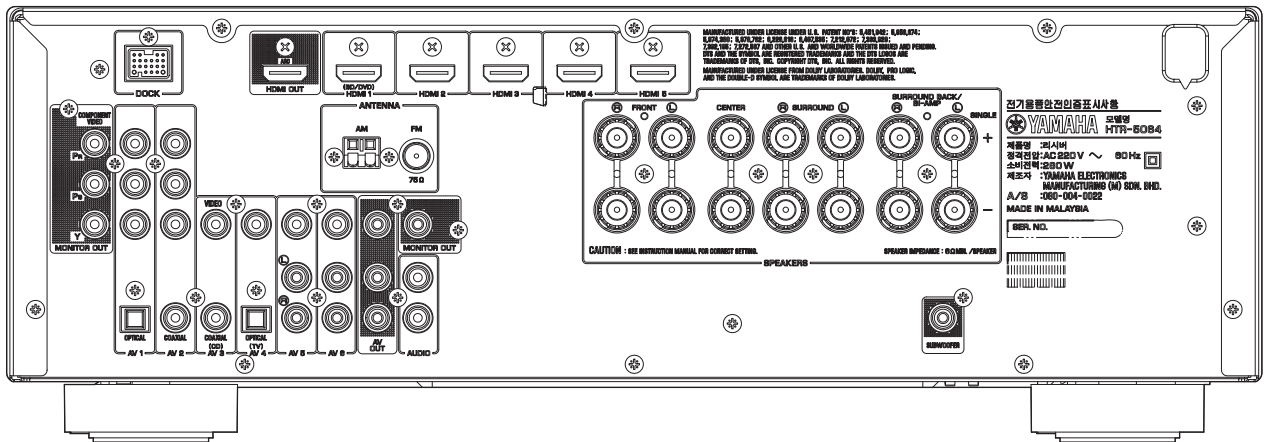
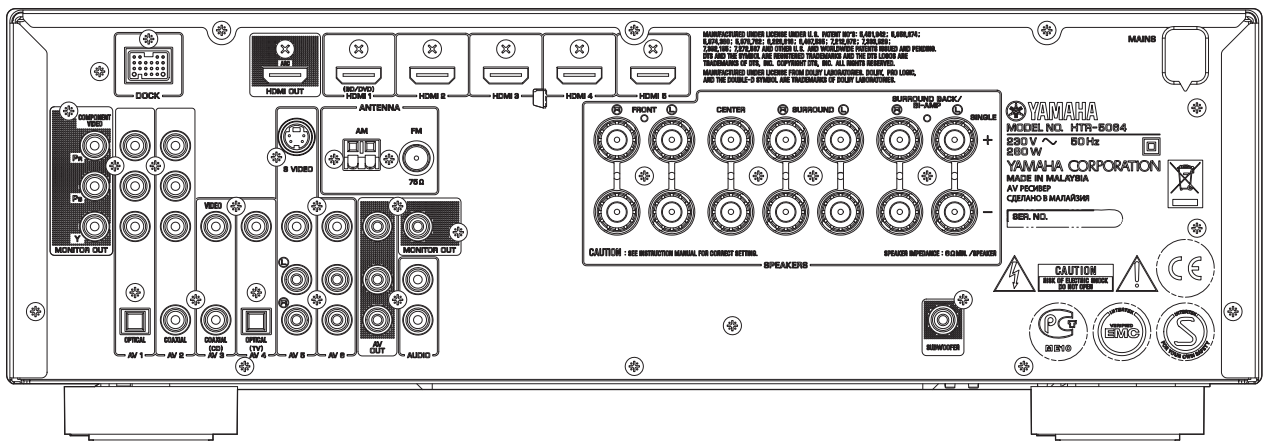
RX-V571 (J model)



HTR-5064 (U model)

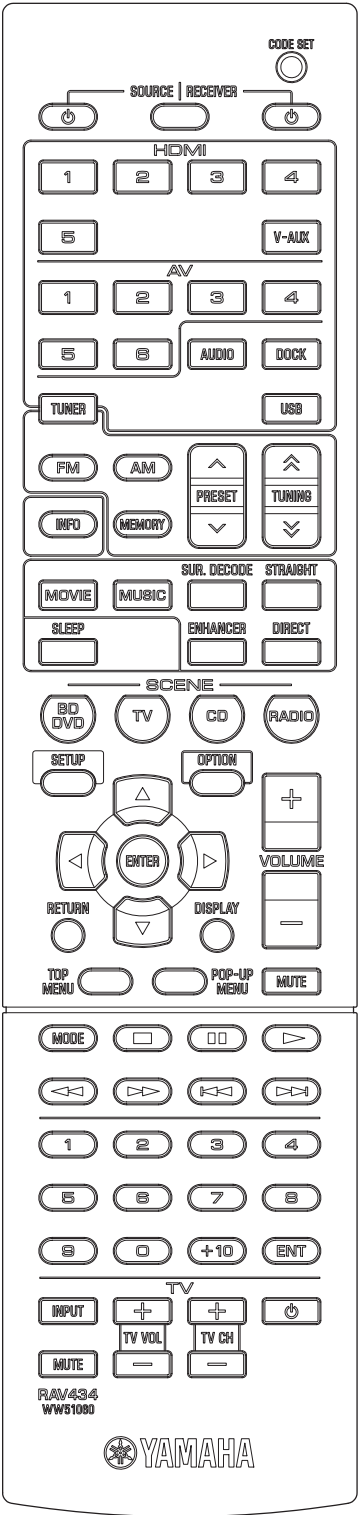


**HTR-5064 (K model)**

**HTR-5064 (G, F models)**

■ REMOTE CONTROL PANEL

RAV434



## ■ SPECIFICATIONS / 参考仕様

### ■ Audio Section / オーディオ部

#### Rated Output Power (Power Amp. Section) /

##### 定格出力 (パワーアンプ部)

(1 kHz, 0.9 % THD)

– 1 channel driven –

U, C models (8 ohms)

FRONT L/R ..... 105 W/ch

CENTER ..... 105 W

SURROUND L/R ..... 105 W/ch

SURROUND BACK L/R ..... 105 W/ch

R, T, K, A, B, G, F, L, J models (6 ohms)

FRONT L/R ..... 105 W/ch

CENTER ..... 105 W

SURROUND L/R ..... 105 W/ch

SURROUND BACK L/R ..... 105 W/ch

– 2 channel driven simultaneously –

U, C models (8 ohms)

FRONT L/R ..... 85 W + 85 W

CENTER ..... 85 W

SURROUND L/R ..... 85 W + 85 W

SURROUND BACK L/R ..... 85 W + 85 W

R, T, K, A, B, G, F, L, J models (6 ohms)

FRONT L/R ..... 85 W + 85 W

CENTER ..... 85 W

SURROUND L/R ..... 85 W + 85 W

SURROUND BACK L/R ..... 85 W + 85 W

(20 Hz to 20 kHz, 0.08 % THD)

– 2 channel driven simultaneously –

U, C models (8 ohms)

FRONT L/R ..... 70 W + 70 W

R, T, K, A, B, G, F, L, J models (6 ohms)

FRONT L/R ..... 65 W + 65 W

#### Maximum Effective Output Power / 実用最大出力 (JEITA)

(1 kHz, 10 % THD, 6 ohms) [R, T, K, L, J models]

FRONT L/R ..... 135 W/ch

CENTER ..... 135 W

SURROUND L/R ..... 135 W/ch

SURROUND BACK L/R ..... 135 W/ch

#### Dynamic Power Per Channel / ダイナミックパワー (IHF)

FRONT L/R drive

U, C models

(8 / 6 / 4 / 2 ohms) ..... 110 / 130 / 160 / 180 W

R, T, K, A, B, G, F, L, J models

(6 / 4 / 2 ohms) ..... 110 / 130 / 150 W

#### Dynamic Headroom [U, C models]

8 ohms ..... 0.23 dB

#### Damping Factor / ダンピングファクタ (20 Hz to 20 kHz, 8 ohms)

FRONT L/R to SPEAKER-A ..... 120 or more

#### Input Sensitivity/Input Impedance / 入力感度/入力インピーダンス

(1 kHz, 100 W/6 ohms)

AV5 etc. .... 200 mV / 47 k-ohms

#### Maximum Input Signal / 最大許容入力 (1 kHz, 0.5 % THD)

AV5 etc. (EFFECT ON) ..... 2.0 V or more

#### 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

SUBWOOFER (2 ch stereo and FRONT SP: small)

..... 1 V / 1.2 k-ohms

#### Headphone Jack Rated Output/Output Impedance /

##### ヘッドホン出力/出力インピーダンス

AV5 etc. input (1 kHz, 50 mV, 8 ohms) ..... 100 mV / 470 ohms

#### Frequency Response / 再生周波数帯域

AV5 etc., FRONT (10 Hz to 100 kHz) ..... 0 / -3 dB

#### Signal to Noise Ratio / 信号対雑音比 (IHF-A network)

AV5, etc. (DIRECT) to SP OUT (Input shorted 250 mV)

..... 100 dB or more

#### Residual Noise / 残留ノイズ (IHF-A Network)

FRONT L/R to SP OUT ..... 150  $\mu$ V or less

#### Channel Separation / チャンネルセパレーション

AV5, etc. (Input 5.1 k-ohms shorted)

1 kHz / 10 kHz ..... 60 dB or more / 45 dB or more

#### Volume Control / 可変範囲/ステップ

..... MUTE / -80 dB to +16.5 dB / 0.5 dB step

#### Tone Control Characteristics / トーンコントロール特性

FRONT L/R

Bass

Boost/Cut .....  $\pm$ 6 dB / 0.5 dB step, at 50 Hz

Turnover frequency ..... 350 Hz

Treble

Boost/Cut .....  $\pm$ 6 dB / 0.5 dB step, at 20 kHz

Turnover frequency ..... 3.5 kHz

#### Filter Characteristics / フィルタ特性

FRONT, CENTER, SURROUND, SURROUND BACK small (H.P.F.)

..... fc=40/60/80/90/100/110/120/160/200 Hz, 12 dB/oct.

SUBWOOFER small (L.P.F.)

..... fc=40/60/80/90/100/110/120/160/200 Hz, 24 dB/oct.

### ■ Video Section / ビデオ部

#### Video Signal Type / ビデオ信号方式

U, C, R, K, J models ..... NTSC

T, A, B, G, F, L models ..... PAL

Video conversion / ビデオコンバージョン

..... NTSC/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 [B, G, F models]

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

Cb/Cr ..... 0.7 Vp-p / 75 ohms

#### D4 Video Signal / D4 ビデオ信号 [J model]

Y ..... 1 Vp-p / 75 ohms

Cb/Cr ..... 0.7 Vp-p / 75 ohms

#### Video Maximum Input Level / ビデオ最大許容入力

##### (VIDEO Conversion Off)

..... 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 / モニター出力周波数帯域

##### (VIDEO Conversion Off)

Component video signal level / コンポーネントビデオ信号

..... 5 Hz to 60 MHz, -3 dB

D4 video signal / D4 ビデオ信号 [J model]

..... 5 Hz to 60 MHz, -3 dB

■ FM Section / FM 部

Tuning Range / 受信周波数範囲

|                         |                                         |
|-------------------------|-----------------------------------------|
| U, C models             | 87.5 to 107.9 MHz                       |
| R, L models             | 87.5 to 108.0 MHz / 87.50 to 108.00 MHz |
| T, K, A, B, G, F models | 87.50 to 108.00 MHz                     |
| J model                 | 76.0 to 90.0 MHz                        |

50 dB Quieting Sensitivity / 50 dB SN 感度 (IHF)

|                     |                 |
|---------------------|-----------------|
| (1 kHz, 100 % MOD.) |                 |
| Mono                | 3 µV (20.8 dBf) |

Signal to Noise Ratio / 信号対雑音比 (IHF)

|        |       |
|--------|-------|
| Mono   | 72 dB |
| Stereo | 70 dB |

Harmonic Distortion / 歪率 (1 kHz)

|        |       |
|--------|-------|
| Mono   | 0.3 % |
| Stereo | 0.5 % |

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                    |
| R, L models                | 530 to 1,710 kHz / 531 to 1,611 kHz |
| T, K, A, B, G, F, J models | 531 to 1,611 kHz                    |

Antenna / アンテナ

|  |              |
|--|--------------|
|  | Loop antenna |
|--|--------------|

■ General / 総合

Power Supply / 電源電圧

|                |                                |
|----------------|--------------------------------|
| U, C models    | AC 120 V, 60 Hz                |
| R model        | AC 110-120/220-240 V, 50/60 Hz |
| T model        | AC 220 V, 50 Hz                |
| K model        | AC 220 V, 60 Hz                |
| A model        | AC 240 V, 50 Hz                |
| B, G, F models | AC 230 V, 50 Hz                |
| L model        | AC 220-240 V, 50/60 Hz         |
| J model        | AC 100 V, 50/60 Hz             |

Power Consumption / 消費電力

|                               |                |
|-------------------------------|----------------|
| U, C models                   | 270 W / 320 VA |
| R, T, K, A, B, G, F, L models | 280 W          |
| J model                       | 175 W          |

Standby Power Consumption (reference data) /

待機時消費電力 (参考値)

|                                          |               |
|------------------------------------------|---------------|
| HDMI control: OFF / Standby through: OFF | 0.1 W or less |
| HDMI control: ON / Standby through: ON   | 1.2 W or less |

Maximum Power Consumption / 最大消費電力

|             |       |
|-------------|-------|
| R, L models | 490 W |
|-------------|-------|

Dimensions (W x H x D) / 寸法 (幅 × 高さ × 奥行き)

|  |                                              |
|--|----------------------------------------------|
|  | 435 x 151 x 363 mm (17-1/8" x 6" x 14-5/16") |
|--|----------------------------------------------|

Weight / 質量

|  |                    |
|--|--------------------|
|  | 8.3 kg (18.3 lbs.) |
|--|--------------------|

Finish / 仕上げ

|                                        |                |
|----------------------------------------|----------------|
| [RX-V571]                              |                |
| T model                                | Gold color     |
| U, C, R, T, K, A, B, G, F, L, J models | Black color    |
| R, K, G, F, L models                   | Titanium color |
| J model                                | Silver color   |
| [HTR-5064]                             |                |
| U, K, G, F models                      | Black color    |

Accessories / 付属品

|                          |     |
|--------------------------|-----|
| Remote control           | x 1 |
| Battery (R03, AAA, UM-4) | x 2 |
| FM antenna (1.4 m)       | x 1 |
| AM antenna (1.3 m)       | x 1 |
| YPAO microphone (6.0 m)  | x 1 |
| VIDEO AUX input cover    | x 1 |

\* Specifications are subject to change without notice.

※ 参考仕様および外観は、製品の改良のため予告なく変更することがあります。

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



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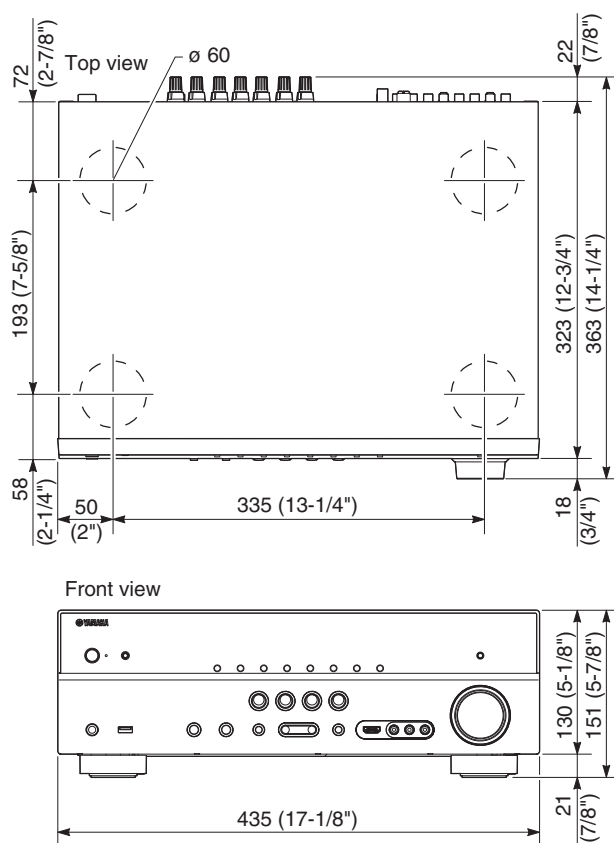


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## • DIMENSIONS



Unit: mm (inch)  
単位: mm (インチ)

• SELECT MENU

Sound field parameters

| Category      | Program          | Parameter   |                         |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|---------------|------------------|-------------|-------------------------|-------------------------|-----------------------------|-----------------------------|----------------------------------|----------------------------------|------------------|------------------|----------------------|---------------------|--------------------------|
|               |                  | Decode Type | DSP Level: -6dB to +3dB | Center Level: 0 to 100% | Surround L Level: 0 to 100% | Surround R Level: 0 to 100% | Surround Back L Level: 0 to 100% | Surround Back R Level: 0 to 100% | Direct: Auto/Off | Panorama: On/Off | Center Width: 0 to 7 | Dimension: -3 to +3 | Center Image: 0.0 to 1.0 |
| MOVIE         | Standard         | ●<br>*2     | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Spectacle        | ●<br>*2     | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Sci-Fi           | ●<br>*2     | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Adventure        | ●<br>*2     | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Drama            | ●<br>*2     | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Mono Movie       |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
| ENTERTAINMENT | Sports           |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Action Game      |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Roleplaying Game |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Music Video      |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
| CLASSICAL     | Hall in Munich   |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Hall in Vienna   |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | Chamber          |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
| LIVE/CLUB     | Cellar Club      |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | The Roxy Theatre |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
|               | The Bottom Line  |             | ●                       |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |
| STEREO        | 2ch Stereo       |             |                         |                         |                             |                             |                                  |                                  | ●                |                  |                      |                     |                          |
|               | 7ch Stereo       |             |                         | ●                       | ●                           | ●                           | ●                                | ●                                |                  |                  |                      |                     | ●                        |
| SUR. DECODE   |                  | ●<br>*1     |                         |                         |                             |                             |                                  |                                  |                  | △                | △                    | △                   | ▲ ●                      |
| STRAIGHT      |                  |             |                         |                         |                             |                             |                                  |                                  |                  |                  |                      |                     |                          |

- : Setting is possible.  
設定可
- △ : Setting is possible only when Dolby Pro Logic II x Music (Dolby Pro Logic II Music) is selected using decode type.  
Decode Type で Dolby Pro Logic II x Music (Dolby Pro Logic II Music) を選択時のみ設定可
- ▲ : Setting is possible only when Neo:6 Music is selected using decode type.  
Decode Type で Neo:6 Music を選択時のみ設定可

\*1 Decode Type

|             |                                         |                                                                                |
|-------------|-----------------------------------------|--------------------------------------------------------------------------------|
| Decode Type | Dolby Pro Logic                         |                                                                                |
|             | Dolby PL II x Movie / Dolby PL II Movie | Dolby PL II when Surround Back is None / Surround Back が None の場合は Dolby PL II |
|             | Dolby PL II x Music / Dolby PL II Music | Dolby PL II when Surround Back is None / Surround Back が None の場合は Dolby PL II |
|             | Dolby PL II x Game / Dolby PL II Game   | Dolby PL II when Surround Back is None / Surround Back が None の場合は Dolby PL II |
|             | Neo:6 Cinema                            |                                                                                |
|             | Neo:6 Music                             |                                                                                |

\*2 Decode Type

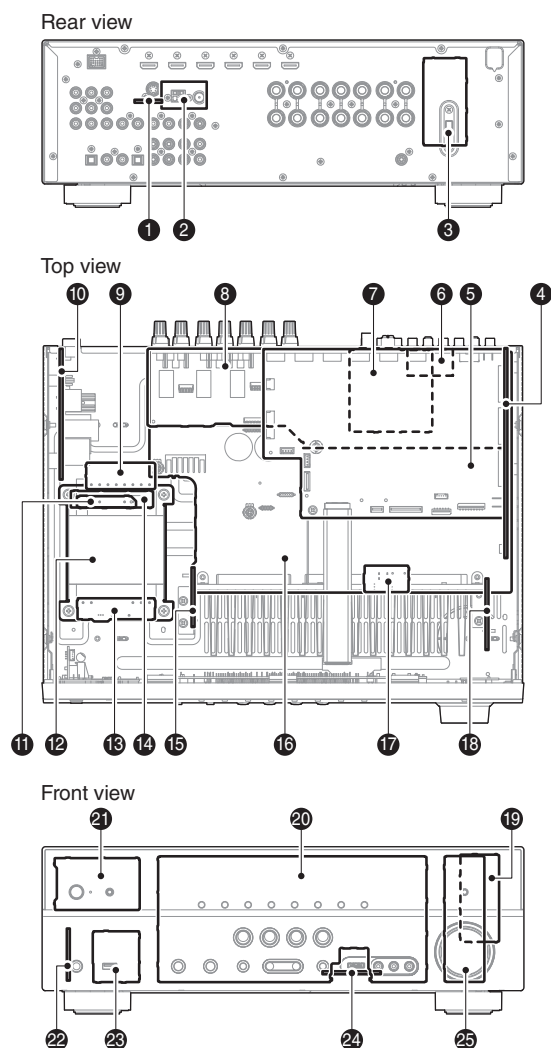
|             |                                         |                                                                                |
|-------------|-----------------------------------------|--------------------------------------------------------------------------------|
| Decode Type | Dolby PL II x Movie / Dolby PL II Movie | Dolby PL II when Surround Back is None / Surround Back が None の場合は Dolby PL II |
|             | Neo:6 Cinema                            |                                                                                |

# • SET MENU TABLE

| MAIN MENU     | SUB-MENU       | PARAMETER                 |                                                                           | VALUE [INITIAL VALUE]                                                            |                                                      |
|---------------|----------------|---------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------|
| Speaker Setup |                |                           |                                                                           |                                                                                  |                                                      |
|               | Configuration  | Front speaker             |                                                                           | Large / [Small]                                                                  |                                                      |
|               |                | Center speaker            |                                                                           | Large / [Small] / None                                                           |                                                      |
|               |                | Surround L/R speaker      |                                                                           |                                                                                  |                                                      |
|               |                | Surround back L/R speaker |                                                                           | Large x1 / Large x2 / Small x1 / [Small x2] / None                               |                                                      |
|               |                | Subwoofer                 |                                                                           | [Use] / None                                                                     |                                                      |
|               |                |                           | Phase                                                                     |                                                                                  | [Normal] / Reverse                                   |
|               |                |                           | Bass Cross Over                                                           |                                                                                  | 40 / 60 / [80] / 90 / 100 / 110 / 120 / 160 / 200 Hz |
|               |                |                           | Extra Bass                                                                |                                                                                  | [Off] / On                                           |
|               | Distance       |                           |                                                                           | Meter (m): R, T, K, A, B, G, F, L, J models                                      |                                                      |
|               |                |                           |                                                                           | Feet (ft): U, C models                                                           |                                                      |
|               |                | Front L                   |                                                                           | 0.30 to 24.00 m, [3.00 m], 0.05 m step<br>1.0 to 80.0 ft, [10.0 ft], 0.2 ft step |                                                      |
|               |                | Front R                   |                                                                           |                                                                                  |                                                      |
|               |                | Center                    |                                                                           |                                                                                  |                                                      |
|               |                | Surround L                |                                                                           |                                                                                  |                                                      |
|               |                | Surround R                |                                                                           |                                                                                  |                                                      |
|               |                | Surround Back L           |                                                                           |                                                                                  |                                                      |
|               |                | Surround Back R           |                                                                           |                                                                                  |                                                      |
|               |                | Subwoofer                 |                                                                           |                                                                                  |                                                      |
|               | Level          | Front L                   |                                                                           | -10.0 to +10.0 dB, [0.0 dB], 0.5 dB step                                         |                                                      |
|               |                | Front R                   |                                                                           |                                                                                  |                                                      |
|               |                | Center                    |                                                                           |                                                                                  |                                                      |
|               |                | Surround L                |                                                                           |                                                                                  |                                                      |
|               |                | Surround R                |                                                                           |                                                                                  |                                                      |
|               |                | Surround Back L           |                                                                           |                                                                                  |                                                      |
|               |                | Surround Back R           |                                                                           |                                                                                  |                                                      |
|               |                | Subwoofer                 |                                                                           |                                                                                  |                                                      |
|               | Equalizer      |                           |                                                                           | [Through] / Graphic EQ / YPAO : Flat / YPAO : Front / YPAO : Natural             |                                                      |
|               |                | Graphic EQ                |                                                                           |                                                                                  |                                                      |
|               |                |                           | Front L                                                                   | 63 Hz .....  ..... 0 dB                                                          | -6.0 to +6.0 dB, [0.0 dB], 0.5 dB step               |
|               |                |                           | Front R                                                                   | 160 Hz .....  ..... 0 dB                                                         |                                                      |
|               |                |                           | Center                                                                    | 400 Hz .....  ..... 0 dB                                                         |                                                      |
|               |                |                           | Sur. L                                                                    | 1.0 kHz .....  ..... 0 dB                                                        |                                                      |
|               |                |                           | Sur. R                                                                    | 2.5 kHz .....  ..... 0 dB                                                        |                                                      |
|               |                |                           | SBL                                                                       | 6.3 kHz .....  ..... 0 dB                                                        |                                                      |
|               |                |                           | SBR                                                                       | 16 kHz .....  ..... 0 dB                                                         |                                                      |
|               |                | EXIT                      |                                                                           |                                                                                  |                                                      |
|               | Test Tone      |                           | [Off] / On                                                                |                                                                                  |                                                      |
| Sound Setup   |                |                           |                                                                           |                                                                                  |                                                      |
|               | Lipsync        |                           |                                                                           | [Auto] / Manual                                                                  |                                                      |
|               |                | Auto                      | 0 to 250 ms, [0 ms], 1 ms step                                            |                                                                                  |                                                      |
|               |                | Manual                    | 0 to 250 ms, [0 ms], 1 ms step                                            |                                                                                  |                                                      |
|               | Dynamic Range  |                           | [Maximum] / Standard / Minimum/Auto                                       |                                                                                  |                                                      |
|               | Max. Volume    |                           | -30.0 to +15.0 dB / +16.5 dB (Maximum volume),<br>[+16.5 dB], 5.0 dB step |                                                                                  |                                                      |
|               | Initial Volume |                           | [Off] / On                                                                |                                                                                  |                                                      |
|               |                | On                        | Mute / -80 dB to +16.5 dB, [-40.0 dB], 0.5 dB step                        |                                                                                  |                                                      |
| DSP Setup     |                |                           |                                                                           |                                                                                  |                                                      |
|               | CINEMA DSP 3D  |                           | Off / [On]                                                                |                                                                                  |                                                      |
|               | Program        | Hall in Munich            |                                                                           | [2]                                                                              |                                                      |
|               |                | Hall in Vienna            |                                                                           | [2]                                                                              |                                                      |
|               |                | Chamber                   |                                                                           | [2]                                                                              |                                                      |
|               |                | Cellar Club               |                                                                           | [2]                                                                              |                                                      |
|               |                | The Roxy Theatre          |                                                                           | [2]                                                                              |                                                      |
|               |                | The Bottom Line           |                                                                           | [2]                                                                              |                                                      |
|               |                | Sports                    |                                                                           | [2]                                                                              |                                                      |
|               |                | Action Game               |                                                                           | [2]                                                                              |                                                      |
|               |                | Roleplaying Game          |                                                                           | [2]                                                                              |                                                      |
|               |                | Music Video               |                                                                           | [2]                                                                              |                                                      |
|               |                | Standard                  |                                                                           | [1], [2]                                                                         |                                                      |
|               |                | Spectacle                 |                                                                           | [1], [2]                                                                         |                                                      |
|               |                | Sci-Fi                    |                                                                           | [1], [2]                                                                         |                                                      |
|               |                | Adventure                 |                                                                           | [1], [2]                                                                         |                                                      |
|               |                | Drama                     |                                                                           | [1], [2]                                                                         |                                                      |
|               |                | Mono Movie                |                                                                           | [2]                                                                              |                                                      |
|               |                | SUR. DECODE               |                                                                           | [1], [10], [11], [12], [13], [14]                                                |                                                      |

| MAIN MENU       | SUB-MENU                                                                                                        | PARAMETER                                                                                                                                                                                                      |                     | VALUE [INITIAL VALUE]                                                                                                           |  |
|-----------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------|--|
|                 |                                                                                                                 | STRAIGHT                                                                                                                                                                                                       |                     |                                                                                                                                 |  |
|                 |                                                                                                                 | 2ch Stereo                                                                                                                                                                                                     |                     | [9]                                                                                                                             |  |
|                 |                                                                                                                 | 7ch Stereo                                                                                                                                                                                                     |                     | [3], [4], [5], [6], [7], [8], [14]                                                                                              |  |
|                 |                                                                                                                 | [1]                                                                                                                                                                                                            | Decode Type         | Pro Logic, PL II x Movie / PL II Movie,<br>PL II x Music / PL II Music, PL II x Game / PL II Game,<br>Neo:6 Cinema, Neo:6 Music |  |
|                 |                                                                                                                 | [2]                                                                                                                                                                                                            | DSP Level           | -6 to +3 dB, [0 dB]                                                                                                             |  |
|                 |                                                                                                                 | [3]                                                                                                                                                                                                            | Center Level        |                                                                                                                                 |  |
|                 |                                                                                                                 | [4]                                                                                                                                                                                                            | Surround L Level    | 0 to 100 %, [100 %]                                                                                                             |  |
|                 |                                                                                                                 | [5]                                                                                                                                                                                                            | Surround R Level    |                                                                                                                                 |  |
|                 |                                                                                                                 | [6]                                                                                                                                                                                                            | Surround Back Level | 0 to 100 %, [50 %]                                                                                                              |  |
|                 |                                                                                                                 | [7]                                                                                                                                                                                                            | Surround Back L     |                                                                                                                                 |  |
|                 |                                                                                                                 | [8]                                                                                                                                                                                                            | Surround Back R     | 0 to 100 %, [30 %]                                                                                                              |  |
|                 |                                                                                                                 | [9]                                                                                                                                                                                                            | Direct              | [Auto] / Off                                                                                                                    |  |
|                 |                                                                                                                 | [10]                                                                                                                                                                                                           | Panorama            | [Off] / On                                                                                                                      |  |
|                 |                                                                                                                 | [11]                                                                                                                                                                                                           | Center Width        | 0 to 7, [3]                                                                                                                     |  |
|                 |                                                                                                                 | [12]                                                                                                                                                                                                           | Dimension           | -3 to +3, [0]                                                                                                                   |  |
|                 |                                                                                                                 | [13]                                                                                                                                                                                                           | Center Image        | 0.0 to 1.0, [0.3]                                                                                                               |  |
| [14]            | Reset                                                                                                           | OK / CANCEL                                                                                                                                                                                                    |                     |                                                                                                                                 |  |
| Function Setup  |                                                                                                                 |                                                                                                                                                                                                                |                     |                                                                                                                                 |  |
| Input Rename    |                                                                                                                 | All inputs except for TUNER. / TUNER 以外の入力<br>Input is possible to 9 characters<br>Input possible Character type<br>Capital : A to Z<br>Small : a to z<br>Figure : 0 to 9<br>Symbols : # * + , - etc.<br>Space |                     |                                                                                                                                 |  |
| Auto Power Down |                                                                                                                 | Off / 4 Hours / 8 Hours / 12 Hours<br>[Off]: U, C, R, T, K, A, L, J models<br>[8 Hours]: B, G, F models                                                                                                        |                     |                                                                                                                                 |  |
| Dimmer          |                                                                                                                 | -4 to 0, [0]                                                                                                                                                                                                   |                     |                                                                                                                                 |  |
| Short Message   |                                                                                                                 | Off / [On]                                                                                                                                                                                                     |                     |                                                                                                                                 |  |
| Memory Guard    |                                                                                                                 | [Off] / On                                                                                                                                                                                                     |                     |                                                                                                                                 |  |
| HDMI Setup      |                                                                                                                 |                                                                                                                                                                                                                |                     |                                                                                                                                 |  |
| HDMI Control    |                                                                                                                 | Off / On<br>[Off]: U, C, R, T, K, A, B, G, F, L models<br>[On]: J model                                                                                                                                        |                     |                                                                                                                                 |  |
|                 | TV Audio Input                                                                                                  | AV1 / AV2 / AV3 / [AV4] / AV5 / AV6 / AUDIO                                                                                                                                                                    |                     |                                                                                                                                 |  |
|                 | ARC                                                                                                             | Off / [On]                                                                                                                                                                                                     |                     |                                                                                                                                 |  |
|                 | Standby Sync                                                                                                    | Off / On / [Auto]                                                                                                                                                                                              |                     |                                                                                                                                 |  |
|                 | SCENE                                                                                                           | BD/DVD                                                                                                                                                                                                         | Off / [On]          |                                                                                                                                 |  |
|                 |                                                                                                                 | TV                                                                                                                                                                                                             |                     |                                                                                                                                 |  |
|                 |                                                                                                                 | CD                                                                                                                                                                                                             | [Off] / On          |                                                                                                                                 |  |
|                 |                                                                                                                 | RADIO                                                                                                                                                                                                          |                     |                                                                                                                                 |  |
| Audio Output    | Amp                                                                                                             | Off / [On]                                                                                                                                                                                                     |                     |                                                                                                                                 |  |
|                 | HDMI OUT (TV)                                                                                                   | [Off] / On                                                                                                                                                                                                     |                     |                                                                                                                                 |  |
| Standby Through | [Off] / On                                                                                                      |                                                                                                                                                                                                                |                     |                                                                                                                                 |  |
|                 | * “Standby Through” is available only when “HDMI Control” is set to “Off”.<br>“HDMI Control” にて “Off” 選択時のみ設定可能 |                                                                                                                                                                                                                |                     |                                                                                                                                 |  |
| Processing      |                                                                                                                 |                                                                                                                                                                                                                |                     | [Off] / On                                                                                                                      |  |
|                 | Resolution                                                                                                      | Through / [Auto] / 480p/576p / 720p / 1080i / 1080p                                                                                                                                                            |                     |                                                                                                                                 |  |
|                 | Aspect                                                                                                          | [Through] / 16:9 Normal                                                                                                                                                                                        |                     |                                                                                                                                 |  |
| Language Setup  | English (English), 日本語 (Japanese), Français (French), Deutsch (German), Español (Spanish), Русский (Russian)    |                                                                                                                                                                                                                |                     |                                                                                                                                 |  |

## INTERNAL VIEW



- ① OPERATION (9) P.C.B. (B, G, F models)
- ② AM/FM TUNER (U, C, R, T, K, A, B, G, F, L models)
- ③ OPERATION (10) P.C.B. (R model)
- ④ VIDEO (2) P.C.B.
- ⑤ DIGITAL (1) P.C.B.
- ⑥ AM/FM TUNER (J model)
- ⑦ OPERATION (8) P.C.B. (J model)
- ⑧ VIDEO (1) P.C.B.
- ⑨ MAIN (2) P.C.B.
- ⑩ VIDEO (3) P.C.B.
- ⑪ VIDEO (4) P.C.B. (U, C, T, K, A, B, G, F, L, J models)
- ⑫ POWER TRANSFORMER
- ⑬ VIDEO (5) P.C.B.
- ⑭ OPERATION (11) P.C.B. (R model)
- ⑮ MAIN (3) P.C.B.
- ⑯ MAIN (1) P.C.B.
- ⑰ MAIN (4) P.C.B.
- ⑱ OPERATION (6) P.C.B.
- ⑲ OPERATION (7) P.C.B.
- ⑳ OPERATION (1) P.C.B.
- ㉑ OPERATION (2) P.C.B.
- ㉒ OPERATION (4) P.C.B.
- ㉓ OPERATION (5) P.C.B.
- ㉔ DIGITAL (2) P.C.B.
- ㉕ OPERATION (3) P.C.B.

## SERVICE PRECAUTIONS / サービス時の注意事項

### Safety measures

- Some internal parts in this product contain high voltages and are dangerous.  
Be sure to take safety measures during servicing, such as wearing insulating gloves.
- Note that the capacitors indicated below are dangerous even after the power is turned off because an electric charge remains and a high voltage continues to exist there.  
Before starting any repair work, connect a discharging resistor (5 k-ohms/10 W) to the terminals of each capacitor indicated below to discharge electricity.  
The time required for discharging is about 30 seconds per each.

C1055, C1056, C1062, C1065, C1066, C1609 on MAIN (1) P.C.B.

C3706 on VIDEO (3) P.C.B.

For details, refer to "PRINTED CIRCUIT BOARDS".

### 安全対策

- この製品の内部には高電圧部分があり危険です。修理の際は、絶縁性の手袋を使用などの安全対策を行ってください。

- 下記のコンデンサには電源を OFF にした後も電荷が残り、高電圧が維持されており危険です。  
修理作業前に放電用抵抗 (5 k $\Omega$  /10 W) を下記の各コンデンサの端子間に接続して放電してください。  
放電所用時間は各々約 30 秒間です。

MAIN (1) P.C.B. の C1055、C1056、C1062、C1065、C1066、C1609

VIDEO (3) P.C.B. の C3706

詳細は "PRINTED CIRCUIT BOARDS" を参照してください。

## ■ DISASSEMBLY PROCEDURES / 分解手順

(Remove parts in the order as numbered.)

Disconnect the power cable from the AC outlet.

(番号順に部品を外してください。)

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

- Remove 4 screws (①) and 5 screws (②). (Fig. 1)
- Lift the rear of the top cover to remove it. (Fig. 1)

### 1. トップカバーの外し方

- ① のネジ 4 本、② のネジ 5 本を外します。(Fig. 1)
- トップカバーの後部を持ち上げ、外します。(Fig. 1)

### 2. Removal of Front Panel Unit

- Remove 7 screws (③), and remove W4251. (Fig. 1)
- Remove CB2, CB44, CB45, CB64, CB442 and CB461. (Fig. 1)
- Unlock and remove CB348. (Fig. 1)
- Release 2 hooks on both ends and remove the front panel unit. (Fig. 1)

### 2. フロントパネルユニットの外し方

- ③ のネジ 7 本を外し、W4251 を外します。(Fig. 1)
- CB2、CB44、CB45、CB64、CB442、CB461 を外します。(Fig. 1)
- ロックを外し、CB348 を外します。(Fig. 1)
- フック 2 箇所を外し、フロントパネルユニットを外します。(Fig. 1)

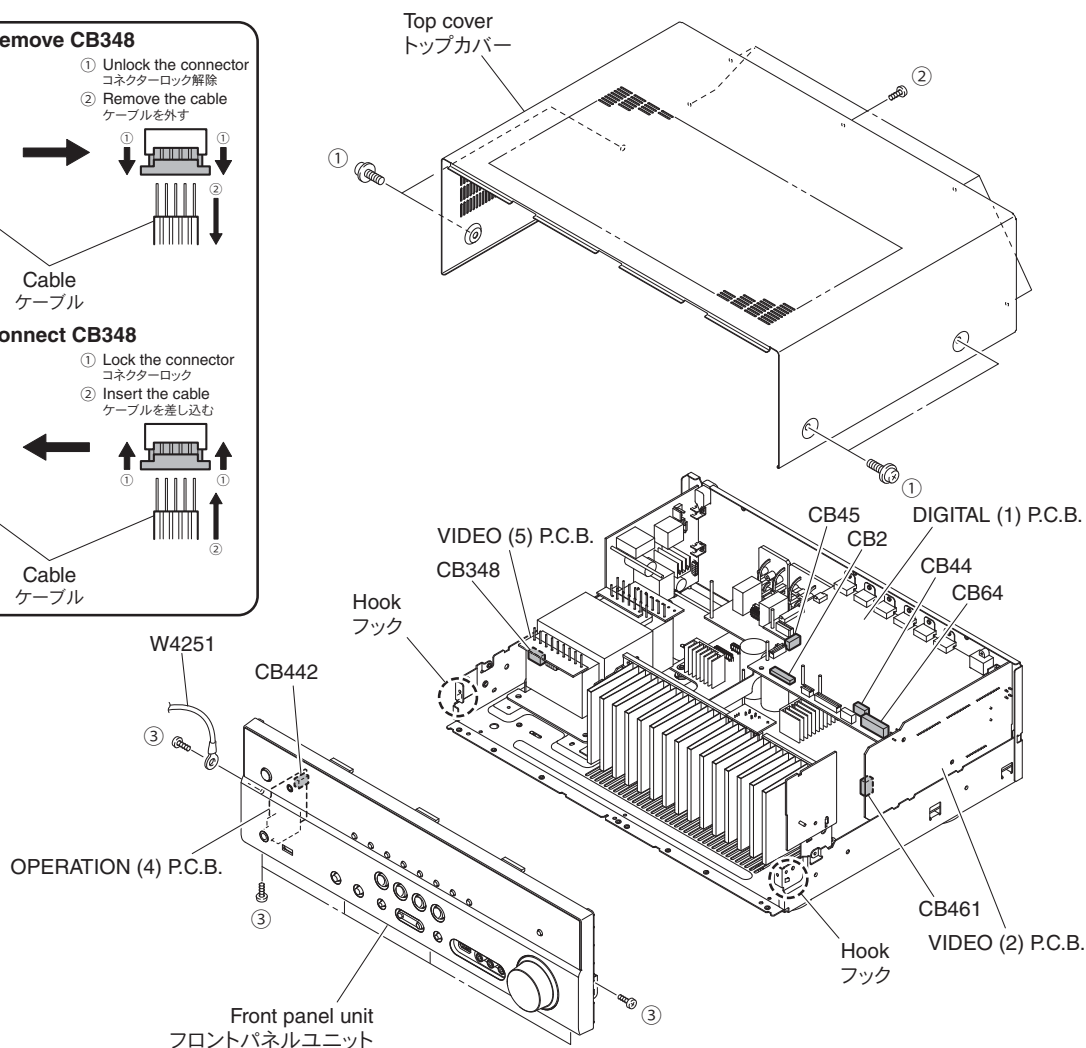
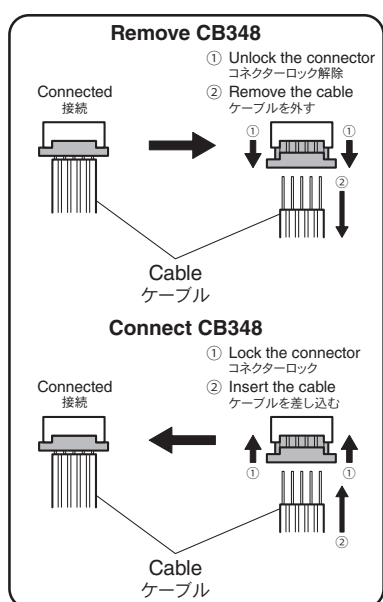


Fig. 1

### 3. Removal of DIGITAL P.C.B.

- Remove 2 screws (④) and 6 screws (⑤). (Fig. 3)
- Remove 2 screws (⑥). (Fig. 2)
- Remove CB25 (B, G, F models), CB43, CB53 and CB63. (Fig. 2)
- Unlock and remove CB55~57. (Fig. 2)
- Remove the DIGITAL (1) P.C.B. which is connected directly to the VIDEO (2) P.C.B. with board-to-board connectors. (Fig. 2)

### 4. Removal of AMP Unit

- Remove 2 screws (⑦) and 4 screws (⑧). (Fig. 2)
- Remove 3 screws (⑨). (Fig. 3)
- Remove the amp unit. (Fig. 2)

### 3. DIGITAL P.C.B. の外し方

- ④ のネジ 2 本、⑤ のネジ 6 本を外します。(Fig. 3)
- ⑥ のネジ 2 本を外します。(Fig. 2)
- CB43、CB53、CB63 を外します。(Fig. 2)
- ロックを外し、CB55 ~ 57 を外します。(Fig. 2)
- DIGITAL P.C.B. を外します。ただし、DIGITAL (1) P.C.B. は VIDEO (2) P.C.B. に基板対基板コネクタで直接接続されています。(Fig. 2)

### 4. アンプユニットの外し方

- ⑦ のネジ 2 本、⑧ のネジ 4 本を外します。(Fig. 2)
- ⑨ のネジ 3 本を外します。(Fig. 3)
- アンプユニットを外します。(Fig. 2)

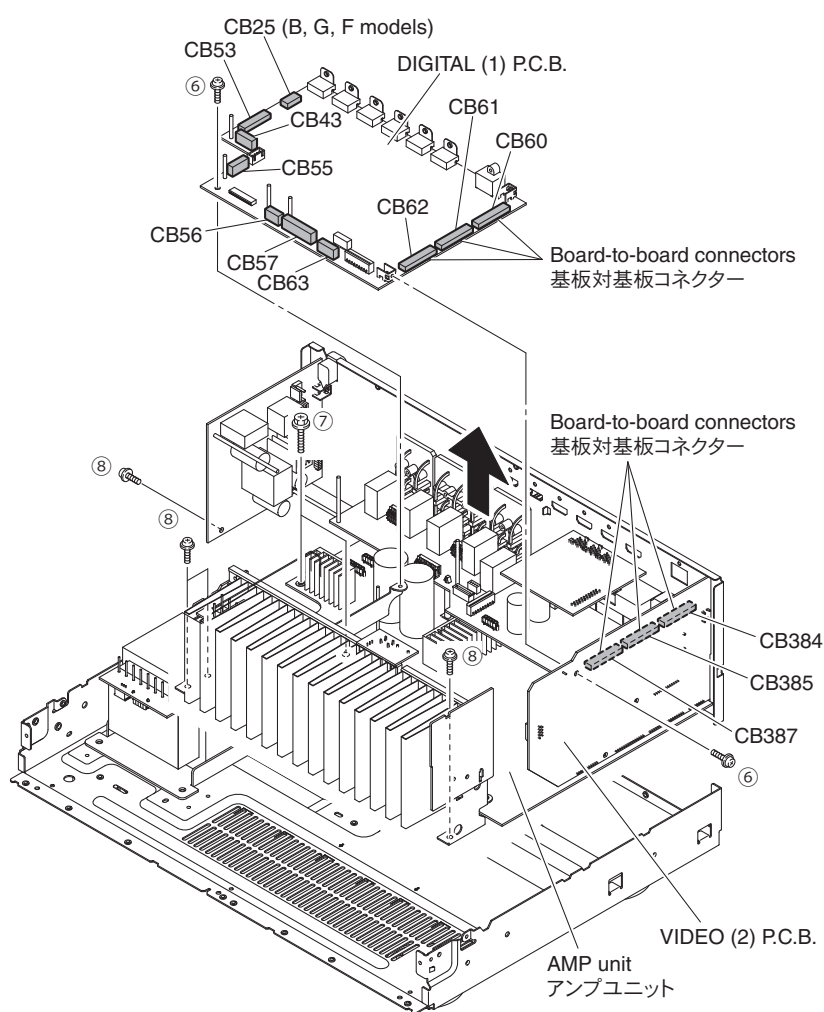
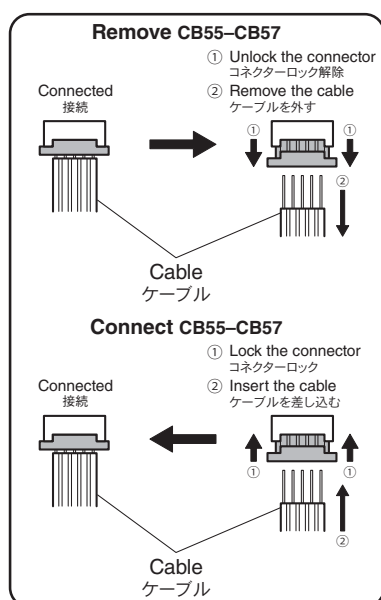


Fig. 2

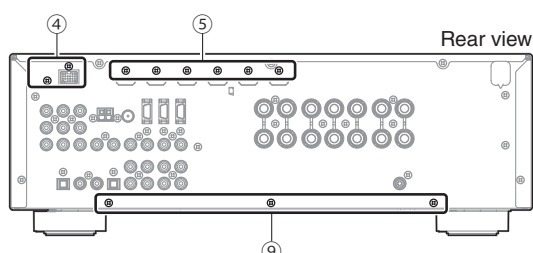


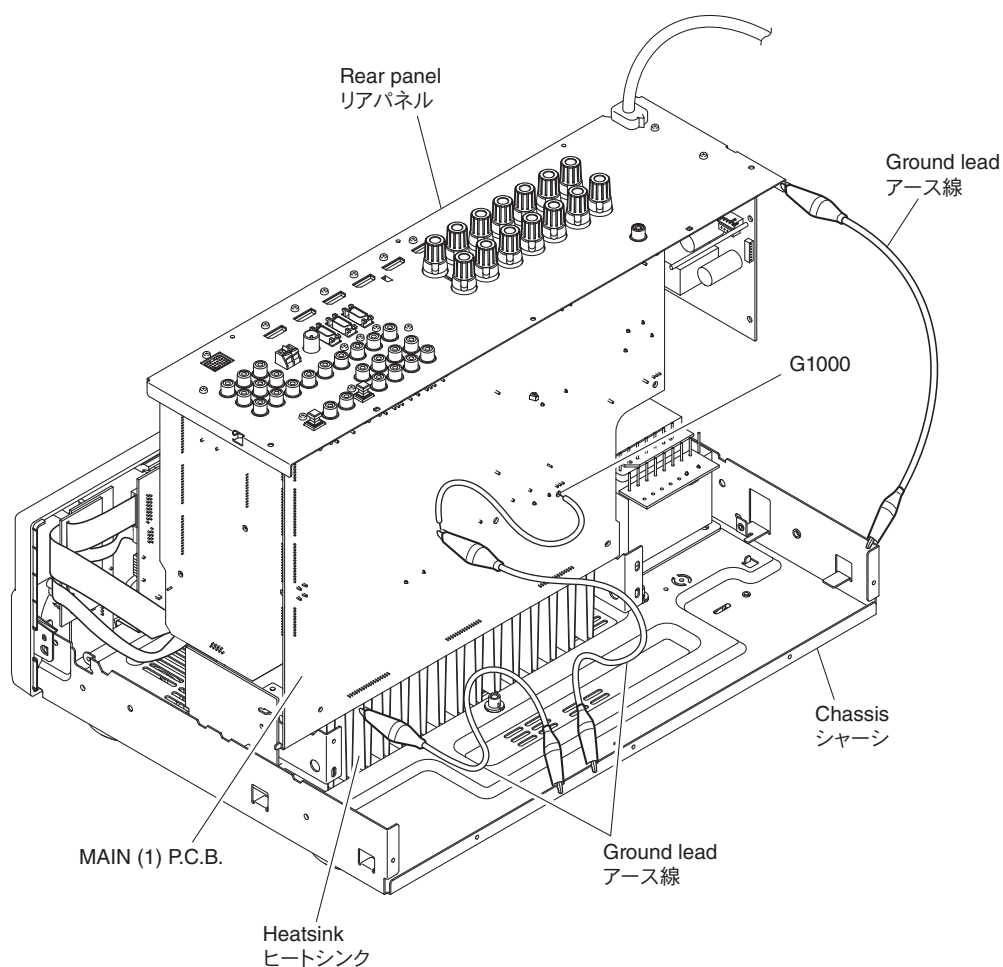
Fig. 3

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

- Place the P.C.B.s (with rear panel) upright. (Fig. 4)
- Connect the heatsink, rear panel and G1000 on MAIN (1) P.C.B. to the chassis with a ground lead or the like. (Fig. 4)
- Reconnect all cables (connectors) that have been disconnected.
- When connecting the flexible flat cable, be careful with polarity.

**P.C.B. をチェックする場合には：**

- リアパネルと一緒に P.C.B. を立ち上げて置きます。(Fig. 4)
- ヒートシンク、リアパネル、MAIN (1) P.C.B. の G1000 のアースをリード線等でシャーシに接続してください。(Fig. 4)
- 外したケーブル（コネクタ）をすべて接続します。
- 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. 4**

## ■ UPDATING FIRMWARE / ファームウェアのアップデート

When the following parts are replaced, the firmware must be updated to the latest version.

DIGITAL P.C.B.

FPGA Flash ROM: IC58 on DIGITAL (1) P.C.B.

DSP (TI) Flash ROM: IC80 on DIGITAL (1) P.C.B.

下記の部品を交換した場合、ファームウェアを最新バージョンにアップデートする必要があります。

DIGITAL P.C.B.

FPGA フラッシュ ROM : DIGITAL (1) P.C.B. の IC58

DSP (TI) フラッシュ ROM : DIGITAL (1) P.C.B. の IC80

### ● Confirmation of firmware version and checksum

Before and after updating the firmware, check the firmware version and checksum by using the self-diagnostic function menu.

Start up the self-diagnostic function and select "S4. ROM VER/SUM" menu.

Using the sub-menu, have the firmware version and checksum displayed, and note them down.  
(See "SELF-DIAGNOSTIC FUNCTION")

- \* When the firmware version is different from written one after updating, perform the updating procedure again from the beginning.

### ● ファームウェアのバージョンとチェックサムの確認

ファームウェアのアップデートの前後に、ファームウェアのバージョンとチェックサムをダイアグで確認します。

ダイアグを起動し、"S4. ROM VER/SUM" メニューを選択します。

サブメニューでファームウェアのバージョンとチェックサムを表示し、それらを書きとめます。  
(「ダイアグ」参照)

- ※ アップデート後、ファームウェアのバージョンが書き込まれたものと異なる場合、アップデートの操作を最初からやり直してください。

### ● Initializing the back-up IC (EEPROM: IC55 on DIGITAL (1) P.C.B.)

After updating the firmware, the back-up IC MUST be initialized by the following procedure to have proper memorization of the set up information (soundfield parameters, system memory and tuner presetting, etc.).

Start up the self-diagnostic function and select "S3. FACTORY PRESET" menu. (See "SELF-DIAGNOSTIC FUNCTION")

Select "PRESET RSRV", press the "⏻" (Power) key to turn off the power once and turn on the power again. Then the back-up IC is initialized.

### ● バックアップ IC の初期化 (EEPROM : DIGITAL (1) P.C.B. の IC55)

ファームウェアのアップデート後、設定情報（音場プログラムのパラメーターやシステムメモリー、チューナープリセット等）を正常に記憶するために、下記の方法でバックアップ IC を初期化する必要があります。

本機のダイアグを起動し、"S3. FACTORY PRESET" メニューを選択します。  
(「ダイアグ」参照)

"PRESET RSRV" を選択し、"⏻"（電源）キーを押して電源を一度きってから、もう一度電源を入れるとバックアップ IC が初期化されます。

### ● Required Tools

- USB storage device
- Firmware  
RX-V571: RXV571-xxxx.bin  
HTR-5064: HTR5064-xxxx.bin

### ● 必要なツール

- USB フラッシュメモリー
- ファームウェア  
RX-V571: RXV571-xxxx.bin

### ● Preparation

1. Download the latest firmware from the specified download source to the folder of the PC.
2. Copy the latest firmware from the PC to the root folder of the USB storage device.

Note) When the latest firmware is copied to a sub-folder of the USB storage device, the update will not proceed.

### ● 準備

1. 指定のダウンロード先から、最新のファームウェアを PC のフォルダへダウンロードしてください。
2. PC から USB フラッシュメモリーのルートフォルダへ最新のファームウェアをコピーします。

注意) 最新のファームウェアをサブフォルダにコピーした場合、書き込みはできません。

## ● Operation Procedures

1. Insert the USB storage device to the USB port. (Fig. 1)
2. While pressing the "DIRECT" key, connect the power cable to the AC outlet. (Fig. 1)

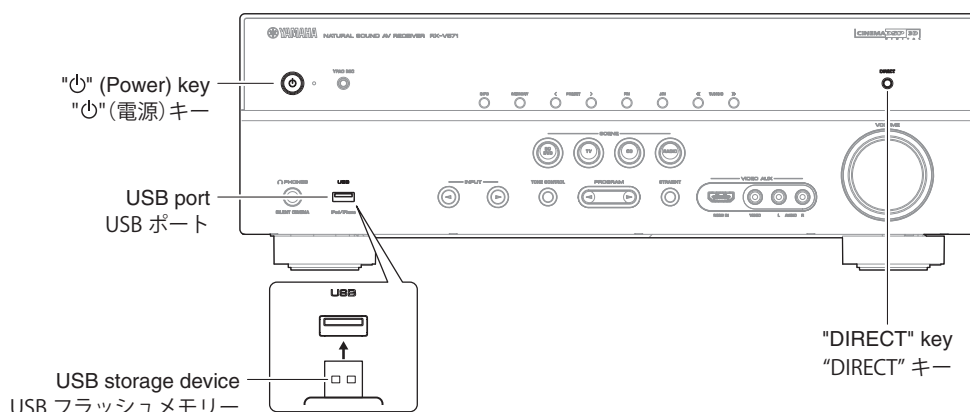


Fig. 1

## ● 操作手順

1. USB ポートに USB フラッシュメモリーを差し込みます。(Fig. 1)
2. "DIRECT" キーを押しながら、電源コードを AC コンセントに接続します。(Fig. 1)

3. The USB UPDATE mode is activated and "USB UPDATE" is displayed. Writing of the firmware starts automatically. (Fig. 2)

Writing is started. / 書き込み開始

USB UPDATE

Writing being executed. / 書き込み中

VERIFYING...

Sx-x:xx%

Fig. 2

4. When writing of the firmware is completed, "Update Success", "Please..." and "Power Off!" are displayed repeatedly. (Fig. 3)

Writing is completed. / 書き込み完了

Update Success

Please...

Power Off!

Fig. 2

4. ファームウェアの書き込み完了後、"Update Success"、"Please..."、"Power Off!" が繰り返し表示されます。(Fig. 3)

5. Press the "Power" key to turn off the power.
6. Remove the USB storage device from the USB port. (Fig. 1)
7. Start up the self-diagnostic function and check that the firmware version and checksum are the same as written ones. (See "Confirmation of firmware version and checksum")

5. "Power" (電源) キーを押して電源を切ります。
6. USB ポートから USB フラッシュメモリーを抜きます。(Fig. 1)
7. ダイアグを起動し、ファームウェアのバージョンとチェックサムが、書き込まれたものと同じであることを確認します。("ファームウェアのバージョンとチェックサムの確認" 参照)

## ■ SELF-DIAGNOSTIC FUNCTION / ダイアグ（自己診断機能）

This unit has self-diagnostic functions that are intended for inspection, measurement and location of faulty point.

There are 24 main menu items, each of which has sub-menu items.

Listed in the table below are main menu items and sub-menu items.

Note that not all menu items listed will apply to the models covered in this service manual.

本機には、検査、測定、不良個所の発見を目的にしたダイアグ（自己診断機能）があります。

ダイアグには 24 個のメインメニューがあり、そのそれぞれにサブメニューがあります。

下表はダイアグメニュー一覧です。

下表の全ダイアグメニュー項目が、このサービスマニュアル記載のモデルに適用されるとは限りません。

| No.                      | Main menu                                               | No. | Sub-menu                                      |
|--------------------------|---------------------------------------------------------|-----|-----------------------------------------------|
| A: Audio system / オーディオ系 |                                                         |     |                                               |
| A1                       | DSP AUDIO                                               | 1   | DSP MARGIN                                    |
|                          |                                                         | 2   | DSP NON MARGIN                                |
|                          |                                                         | 3   | DSP FULL CENTER                               |
|                          |                                                         | 4   | DSP FULL SURROUND                             |
|                          |                                                         | 5   | DSP FULL SURROUND BACK                        |
| A2                       | DIRECT AUDIO                                            | 1   | ANALOG DIRECT                                 |
| A3                       | HDMI AUDIO                                              | 1   | HDMI AUTO                                     |
|                          |                                                         | 2   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 3   | ARC1                                          |
|                          |                                                         | 4   | INVALID ITEM (Not for service / サービスでは使用しません) |
| A4                       | SPEAKERS SET                                            | 1   | BI-AMP                                        |
|                          |                                                         | 2   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 3   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 4   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 5   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 6   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 7   | FULL MUTE                                     |
|                          |                                                         | 8   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 9   | INVALID ITEM (Not for service / サービスでは使用しません) |
| A5                       | MULTI CHANNEL INPUT<br>(Not for service / サービスでは使用しません) | 1   | 8 CHANNEL INPUT 8 ohms                        |
|                          |                                                         | 2   | 8 CHANNEL INPUT 6 ohms                        |
| A6                       | MIC CHECK                                               | 1   | MIC ROUTE CHECK                               |
| A7                       | MANUAL TEST                                             | 1   | TEST ALL                                      |
|                          |                                                         | 2   | TEST FRONT L                                  |
|                          |                                                         | 3   | TEST CENTER                                   |
|                          |                                                         | 4   | TEST FRONT R                                  |
|                          |                                                         | 5   | TEST SURROUND R                               |
|                          |                                                         | 6   | TEST SURROUND BACK R                          |
|                          |                                                         | 7   | TEST SURROUND BACK L                          |
|                          |                                                         | 8   | TEST SURROUND L                               |
|                          |                                                         | 9   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 10  | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 11  | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 12  | INVALID ITEM (Not for service / サービスでは使用しません) |
|                          |                                                         | 13  | TEST LFE 1                                    |
|                          |                                                         | 14  | INVALID ITEM (Not for service / サービスでは使用しません) |
| D: Display system / 表示系  |                                                         |     |                                               |
| D1                       | FL CHECK                                                | 1   | FL CHECK                                      |
|                          |                                                         | 2   | ALL SEGMENT OFF                               |
|                          |                                                         | 3   | ALL SEGMENT ON                                |
|                          |                                                         | 4   | CHECK PATTERN 1                               |
|                          |                                                         | 5   | CHECK PATTERN 2                               |

| No.                                                      | Main menu                                     | No. | Sub-menu                                      |
|----------------------------------------------------------|-----------------------------------------------|-----|-----------------------------------------------|
| Z: Zone system /ZONE 系                                   |                                               |     |                                               |
| Z1                                                       | INVALID ITEM (Not for service / サービスでは使用しません) |     |                                               |
| R: Radio and satellite broadcasting system / チューナー・衛星放送系 |                                               |     |                                               |
| R1                                                       | INVALID ITEM (Not for service / サービスでは使用しません) |     |                                               |
| U: Universal system / 特殊端子系                              |                                               |     |                                               |
| U1                                                       | iPod                                          | 1   | DOCK CHECK                                    |
|                                                          |                                               | 2   | iPod AUTHENTICATION IC CHECK                  |
| U2                                                       | USB                                           | 1   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                                          |                                               | 2   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                                          |                                               | 3   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                                          |                                               | 4   | USB FRONT 1 TRACK                             |
|                                                          |                                               | 5   | USB FRONT 2 TRACK                             |
|                                                          |                                               | 6   | USB INITIAL PROGRAM LOAD                      |
|                                                          |                                               | 7   | USB iPod CHECK                                |
| U3                                                       | INVALID ITEM (Not for service / サービスでは使用しません) |     |                                               |
| N: Network system / ネットワーク系                              |                                               |     |                                               |
| N1                                                       | INVALID ITEM (Not for service / サービスでは使用しません) |     |                                               |
| C: Communication system / 通信・バスライン系                      |                                               |     |                                               |
| C1                                                       | DIGITAL PCB CHECK                             | 1   | ALL                                           |
|                                                          |                                               | 2   | BUS FLASH ROM                                 |
|                                                          |                                               | 3   | BUS FPGA                                      |
|                                                          |                                               | 4   | I2C                                           |
|                                                          |                                               | 5   | FPGA RAM                                      |
|                                                          |                                               | 6   | BUS DIR                                       |
|                                                          |                                               | 7   | BUS DSP1                                      |
|                                                          |                                               | 8   | EEPROM                                        |
|                                                          |                                               | 9   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                                          |                                               | 10  | INVALID ITEM (Not for service / サービスでは使用しません) |
| C2                                                       | HDMI INFO                                     | 1   | HDMI MODEL NAME                               |
|                                                          |                                               | 2   | HDMI PRODUCT ID                               |
| V: Video system / ビデオ系                                   |                                               |     |                                               |
| V1                                                       | ANALOG VIDEO CHECK                            | 1   | ANALOG BYPASS                                 |
|                                                          |                                               | 2   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                                          |                                               | 3   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                                          |                                               | 4   | MUTE CHECK                                    |
|                                                          |                                               | 5   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                                          |                                               | 6   | VIDEO IN                                      |
| V2                                                       | DIGITAL VIDEO CHECK                           | 1   | LOOPBACK TEST 1                               |
|                                                          |                                               | 2   | LOOPBACK TEST 2                               |
|                                                          |                                               | 3   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                                          |                                               | 4   | HDMI REPEAT                                   |
|                                                          |                                               | 5   | DIGITAL CVBS                                  |
|                                                          |                                               | 6   | DIGITAL Y/C (B, G, F models)                  |
|                                                          |                                               | 7   | DIGITAL COMPONENT                             |
|                                                          |                                               | 8   | DIGITAL COMPONENT SC                          |
|                                                          |                                               | 9   | GUI-VIDEO OUT                                 |

| No.                                          | Main menu            | No. | Sub-menu                                      |
|----------------------------------------------|----------------------|-----|-----------------------------------------------|
| P: Power and protection system / 電源・プロテクション系 |                      |     |                                               |
| P1                                           | SYSTEM MONITOR       | 1   | DC                                            |
|                                              |                      | 2   | PS1/PS2                                       |
|                                              |                      | 3   | TM                                            |
|                                              |                      | 4   | OUTPUT LEVEL                                  |
|                                              |                      | 5   | LIMITER CONTROL                               |
|                                              |                      | 6   | L3 (J model)                                  |
|                                              |                      | 7   | KEY1/KEY2                                     |
| P2                                           | PROTECTION HISTORY   | 1   | HISTORY 1                                     |
|                                              |                      | 2   | HISTORY 2                                     |
|                                              |                      | 3   | HISTORY 3                                     |
|                                              |                      | 4   | HISTORY 4                                     |
| S: System and version system / システム・バージョン系   |                      |     |                                               |
| S1                                           | FIRMWARE UPDATE      | 1   | F/W UPDATE (Not for service / サービスでは使用しません)   |
| S2                                           | SET INFORMATION      | 1   | MODEL                                         |
|                                              |                      | 2   | DESTINATION                                   |
|                                              |                      | 3   | DEBUG (Not for service / サービスでは使用しません)        |
| S3                                           | FACTORY PRESET       | 1   | PRESET INH/RSRV                               |
| S4                                           | ROM VERSION/CHECKSUM | 1   | SYSTEM VERSION                                |
|                                              |                      | 2   | MICROPROCESSOR VERSION                        |
|                                              |                      | 3   | MICROPROCESSOR CHECKSUM                       |
|                                              |                      | 4   | FLASH ROM VERSION                             |
|                                              |                      | 5   | FLASH ROM CHECKSUM                            |
|                                              |                      | 6   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                              |                      | 7   | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                              |                      | 8   | DSP1 VERSION                                  |
|                                              |                      | 9   | DSP1 CHECKSUM                                 |
|                                              |                      | 10  | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                              |                      | 11  | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                              |                      | 12  | GUI VERSION                                   |
|                                              |                      | 13  | FPGA GUI VERSION                              |
|                                              |                      | 14  | FPGA IP VERSION                               |
|                                              |                      | 15  | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                              |                      | 16  | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                              |                      | 17  | INVALID ITEM (Not for service / サービスでは使用しません) |
|                                              |                      | 18  | USB IPL VERSION                               |

## ● Starting Self-Diagnostic Function

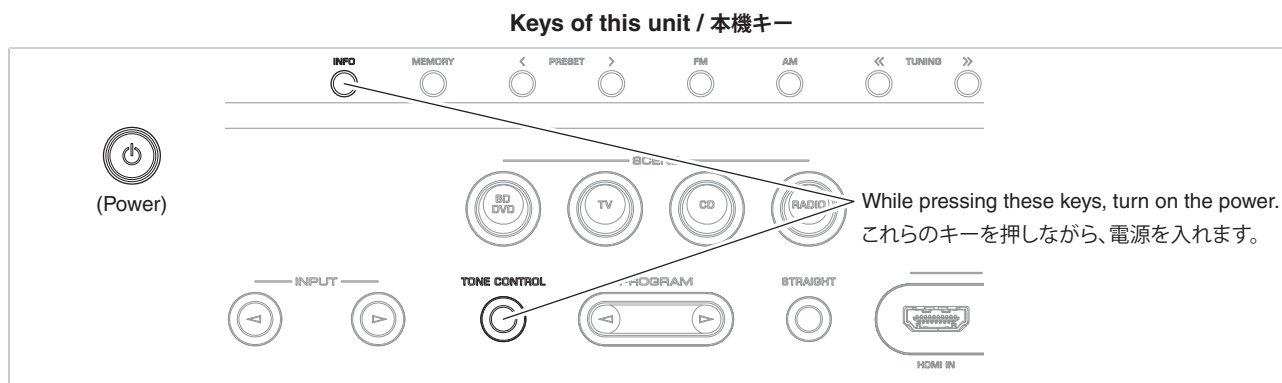
While pressing the “TONE CONTROL” and “INFO” keys, press the “” (Power) key to turn on the power.

The self-diagnostic function mode is activated.

## ● ダイアグの起動

“TONE CONTROL” と “INFO” キーを押しながら “” (電源) キーを押して電源を入れます。

ダイアグが起動します。



## ● Starting Self-Diagnostic Function in the protection cancel mode

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

While pressing the “TONE CONTROL” and “INFO” keys, press the “” (Power) key to turn on the power and keep pressing those 2 keys for 3 seconds or longer.

The self-diagnostic function mode is activated with the protection functions disabled.

In this mode, the “SLEEP” segment of the FL display flashes to indicate that the mode is self-diagnostic function mode with the protection functions disabled.

## ● 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)

“TONE CONTROL” と “INFO” キーを押しながら “” (電源) キーを押して電源を入れ、2つのキーを3秒以上押し続けます。

プロテクション解除モードでダイアグが起動します。

このモードでは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。

### CAUTION!

Using this product with the protection function disabled may cause further damage to this unit. Use special care for this point when using this mode.

### 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、本機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 Self-Diagnostic Function

1. Before canceling self-diagnostic function, execute setting for "S3. FACTORY PRESET" menu. (Memory initialization inhibited or Memory initialized).
  - \* In order to keep the user memory preserved, be sure to select PRESET INHIBIT (Memory initialization inhibited).
2. Press the "⏻" (Power) key to turn off the power.

## ● ダイアグの解除

1. ダイアグを解除する前に、“S3. FACTORY PRESET”メニュー（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. “⏻”（電源）キーを押して電源を切ります。

## ● Display provided when Self-Diagnostic Function started

The display is as described below depending on the situation the last time the power to this unit is turned off.

### 1. When the power is turned off by usual operation:

"NO PROTECT" is displayed. "A1-1. DSP MARGIN" menu is displayed in a few seconds.

Opening message / オープニング表示

NO PROTECT

After a few seconds / 数秒後



## ● ダイアグ起動時の表示

最後に本機の電源が切れたときの状況により、下記のように表示されます。

### 1. 通常の操作で電源を切った場合：

"NO PROTECT" が表示されます。数秒後、“A1-1 DSP MARGIN”メニューが表示されます。

Main menu display / メインメニュー表示

A1-1  
DSP MARGIN

## 2. When the protection function worked to turn off the power:

The data of protection function which worked at the moment is displayed. Then "A1-1. DSP MARGIN" menu is displayed in a few seconds.

Note: At that time if you reactivate the self-diagnostic function after turning off the power once by pressing the "⏻" (Power) key, "NO PROTECT" will be displayed because that situation is equal to "1. When the power is turned off by usual operation:" described above.

However the protection function history is stored in a back-up IC with a backup. For details, refer to "P2 PROTECTION HISTORY" menu.

### 2-1. When there is a history of protection function due to excess current.



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

**Supplementary information:** As current of the power amplifier is detected, the abnormal channel can be identified by checking the current detect transistor.

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.

## 2. プロテクションが働いて電源が切れた場合：

そのときに働いたプロテクションの情報が表示されます。数秒後、「A1-1 DSP MARGIN」メニューが表示されます。

注) このときに「⏻」（電源）キーを押していったん電源を切った後にダイアグを再起動すると、上述の「1. 通常の操作で電源を切った場合」に相当するので、「NO PROTECT」が表示されます。

ただし、プロテクションの履歴はメモリーにバックアップして記憶されます。詳細は、「P2 PROTECTION HISTORY」メニューを参照してください。

### 2-1. 過電流によるプロテクション履歴がある場合

**原因：**パワーアンプに過電流が流れた。

**補足：**パワーアンプ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。

異常状態のまま電源を入れると、瞬時にプロテクションが働き、すぐに電源が切れます。

#### Notes)

- Applying the power to this unit without correcting the abnormality can be dangerous and cause additional circuit damage. To avoid this, if "I PROTECT" protection function works 1 time, the power will not turn on even when the "⏻" (Power) key is pressed. In order to turn on the power again, start up the self-diagnostic function.
- The output transistors in each amplifier channel should be checked for damage before applying power to this unit.
- Amplifier current should be monitored by measuring DC voltage across the emitter resistors for each channel.

#### 注意！

- 異常状態のまま本機の電源を入れると、危険な状態になり、さらに回路が損傷を受ける原因になります。それを避けるために、「I PROTECT」が1回働いた場合、それ以降「⏻」（電源）キーを押しても電源が入らなくなります。再度電源を入れる場合、ダイアグを起動してください。
- 本機の電源をいれる前に、各パワーアンプの出力トランジスタに損傷がないかチェックしてください。
- パワーアンプの電流は、各チャンネルのエミッターの抵抗器間 DC 電圧を測定することによりモニターしてください。

## 2-2. When the protection function worked due to abnormal DC output.

DC PRT:xxxH

AD conversion value when the protection function is working  
プロテクションが働いたときの電圧の A/D 変換値

**Cause:** DC output of the power amplifier is abnormal.

**Supplementary information:** The protection function worked due to a DC voltage appearing at the speaker terminal. A cause could be a defect in the amplifier.

Turning on the power without correcting the abnormality will cause the protection function to work in 5 seconds and the power supply will be shut off.

## 2-2. DC 出力異常によりプロテクションが働いた場合

**原因：**パワーアンプの DC 出力が異常。

**補足：**アンプの故障でスピーカー端子に直流電圧が掛かるなどが原因で、プロテクションが働いたことを示します。

異常状態のまま電源を入れると、5 秒後にプロテクションが働き、電源が切れます。

## 2-3. When the protection function worked due to abnormal voltage in the power supply section.

PS PRT:xxxL

AD conversion value when the protection function is working  
プロテクションが働いたときの電圧の A/D 変換値

**Cause:** The voltage in the power supply section is abnormal.

**Supplementary information:** The protection function worked due to a defect or overload in the power supply.

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

## 2-3. 電源部の電圧異常によりプロテクションが働いた場合

**原因：**電源部の電圧が異常。

**補足：**電源電圧による原因で、プロテクションが働いたことを示します。

異常状態のまま電源を入れると、1 秒後にプロテクションが働き、電源が切れます。

### Notes)

- Applying the power to this unit without correcting the abnormality can be dangerous and cause additional circuit damage. To avoid this, if "PS" and "DC" protection function works 3 times consecutively, the power will not turn on even when the "P" (Power) key is pressed. In order to turn on the power again, start up the self-diagnostic function.
- The output transistors in each amplifier channel should be checked for damage before applying power to this unit.
- Amplifier current should be monitored by measuring DC voltage across the emitter resistors for each channel.

### 注意！

- 異常状態のまま本機の電源を入れると、危険な状態になり、さらに回路が損傷を受ける原因になります。それを避けるために、「DC」、「PS」プロテクションが連続して 3 回目働いた場合、それ以降 "P" (電源) キーを押しても電源が入らなくなります。再度電源を入れる場合、ダイアグを起動してください。
- 本機の電源をいれる前に、各パワーアンプの出力トランジスタに損傷がないかチェックしてください。
- パワーアンプの電流は、各チャンネルのエミッターの抵抗器間 DC 電圧を測定することによりモニターしてください。

## 2-4. When the protection function worked due to excessive heatsink temperature.

## 2-4. ヒートシンクの異常温度によりプロテクションが働いた場合

TMP1PRT:xxxL

AD conversion value when the protection function is working  
プロテクションが働いたときの電圧の A/D 変換値

**Cause:** The temperature of the heatsink is excessive.

**Supplementary information:** The protection function worked due to the temperature limit being exceeded. Causes could be poor ventilation or a defect related to the thermal sensor.

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

**原因:** ヒートシンクの温度が異常。

**補足:** 温度制限を越えた原因で、プロテクションが働いたことを示します。

異常状態のまま電源を入れると、1 秒後にプロテクションが働き、電源が切れます。

### ● 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.

For details, refer to "P2 PROTECTION HISTORY" menu.

### ● プロテクションの履歴

プロテクションが働いた場合、その履歴をバックアップして記憶しています。

修理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。

詳細は、「P2 PROTECTION HISTORY」メニューを参照してください。

## ● Operation procedure of Main menu and Sub-menu

There are 24 main menu items, each of which has sub-menu items.

### Main menu selection

Select the main menu using "SCENE TV" (forward) and "SCENE BD/DVD" (reverse) keys.

### Sub-menu selection

Select the sub-menu using "SCENE RADIO" (forward) and "SCENE CD" (reverse) keys.

## ● メインメニューとサブメニューの操作

ダイアグには 24 個のメインメニューがあり、そのそれぞれにサブメニューがあります。

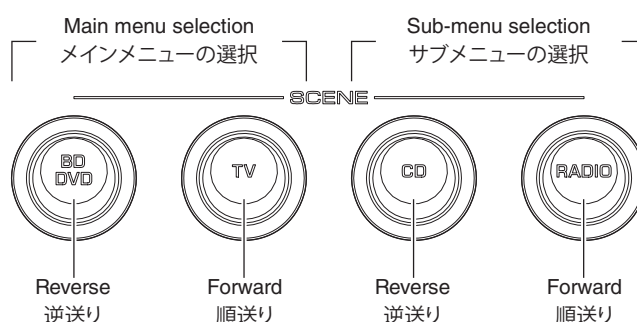
### メインメニューの選択

"SCENE TV" (順送り)、"SCENE BD/DVD" (逆送り) キーで選択します。

### サブメニューの選択

"SCENE RADIO" (順送り)、"SCENE CD" (逆送り) キーで選択します。

### Keys of this unit / 本機キー



## ● Functions in Self-Diagnostic Function mode

In addition to the self-diagnostic function menu items, functions as listed below are available.

- Power ON/OFF
- Master volume
- Muting
- Input selection

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

## ● 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。

- 電源 オン/オフ
- マスターボリューム
- ミューティング
- インプットセレクト

※ チューナー関連、セットメニュー関連は機能しません。

## ● Initial settings when Self-Diagnostic Function started

The following initial settings are used when starting self-diagnostic function.

When self-diagnostic function is canceled, these settings are restored to those before starting self-diagnostic function.

- Master volume: -20 dB
- Input: HDMI 1
- Main menu: A1-1. DSP MARGIN
- Speaker setting: LARGE, Bass out to SWFR (All channels)
- HDMI Control: Off

## ● 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: -20 dB
- インプット: HDMI 1
- メインメニュー: A1-1. DSP MARGIN
- スピーカー設定: LARGE、Bass out to SWFR (すべてのチャンネル)
- HDMI コントロール: Off

● Details of Self-Diagnostic Function menu

A1. DSP AUDIO

This menu is used to check audio signal route via DSP.

A1-1. DSP MARGIN

The audio signal is output including the head margin via DSP.

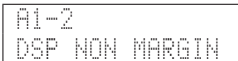
\* When input source is stereo, signal is assigned as below.

- Front L: Front L, Center, Surround L, Surround Back L
- Front R: Front R, Surround R, Surround Back R
- Front L +10 dB: Subwoofer



A1-2. DSP NON MARGIN

The SUBWOOFER signal is output including the head margin via DSP.  
The audio signal other than SUBWOOFER is output without including the head margin via DSP.



A1-3. DSP FULL CENTER

The audio signal is output to only CENTER channel in digital full bit without including the head margin.



INPUT: AV5 ANALOG  
SPEAKER OUT: 1 kHz, SUBWOOFER OUTPUT: 50 Hz

| Input level      | Volume  | SPEAKER OUTPUT |           |          |               | SUBWOOFER OUTPUT |
|------------------|---------|----------------|-----------|----------|---------------|------------------|
|                  |         | FRONT          | CENTER    | SURROUND | SURROUND BACK |                  |
| Both ch, -20 dBm | +6.5 dB | -∞             | +11.5 dBm | -∞       | -∞            | -∞               |

● ダイアグメニュー詳細

A1. DSP AUDIO

DSP を経由するオーディオ信号経路をチェックします。

A1-1. DSP MARGIN

音声信号が DSP を経由してヘッドマージンを含んで出力されます。

※ 2ch 信号入力時、以下のように信号が振り分けられて出力されます。

- Front L： Front L、 Center、 Surround L、 Surround Back L
- Front R： Front R、 Surround R、 Surround Back R
- Front L +10 dB： Subwoofer

A1-2. DSP NON MARGIN

サブウーファースの音声信号が DSP を経由してヘッドマージンを含んで出力されます。  
サブウーファース以外の音声信号は DSP を経由してヘッドマージンを含まず出力されます。

A1-3. DSP FULL CENTER

音声信号がヘッドマージンを含まず、デジタルフルビットで CENTER チャンネルのみへ出力されます。

**A1-4. DSP FULL SURROUND**

The audio signal is output to only SURROUND L/R channels in digital full bit without including the head margin.

A1-4  
DSP FULL S

INPUT: AV5 ANALOG

SPEAKER OUT: 1 kHz, SUBWOOFER OUTPUT: 50 Hz

| Input level      | Volume  | SPEAKER OUTPUT |        |           | SURROUND<br>BACK | SUBWOOFER<br>OUTPUT |
|------------------|---------|----------------|--------|-----------|------------------|---------------------|
|                  |         | FRONT          | CENTER | SURROUND  |                  |                     |
| Both ch, -20 dBm | +6.5 dB | -∞             | -∞     | +11.5 dBm | -∞               | -∞                  |

**A1-4. DSP FULL SURROUND**

音声信号がヘッドマージンを含まず、デジタルフルビットで SURROUND L/R チャンネルのみへ出力されます。

**A1-5. DSP FULL SURROUND BACK**

The audio signal is output to only SURROUND BACK L/R channels in digital full bit without including the head margin.

A1-5  
DSP FULL SB

INPUT: AV5 ANALOG

SPEAKER OUT: 1 kHz, SUBWOOFER OUTPUT: 50 Hz

| Input level      | Volume  | SPEAKER OUTPUT |        |          | SURROUND<br>BACK | SUBWOOFER<br>OUTPUT |
|------------------|---------|----------------|--------|----------|------------------|---------------------|
|                  |         | FRONT          | CENTER | SURROUND |                  |                     |
| Both ch, -20 dBm | +6.5 dB | -∞             | -∞     | -∞       | +11.5 dBm        | -∞                  |

**A1-5. DSP FULL SURROUND BACK**

音声信号がヘッドマージンを含まず、デジタルフルビットで SURROUND BACK L/R チャンネルのみへ出力されます。

A2. DIRECT AUDIO

This menu is used to check audio signal route of DIRECT mode.

A2-1. ANALOG DIRECT

The analog input audio signal is output to FRONT L/R in DIRECT mode.



INPUT: AV5 ANALOG  
SPEAKER OUT: 1 kHz, SUBWOOFER OUTPUT: 50 Hz

| Input level      | Volume  | SPEAKER OUTPUT |        |          | SURROUND BACK | SUBWOOFER OUTPUT |
|------------------|---------|----------------|--------|----------|---------------|------------------|
|                  |         | FRONT          | CENTER | SURROUND |               |                  |
| Both ch, -20 dBm | +6.5 dB | +11.5 dBm      | -∞     | -∞       | -∞            | -∞               |

A2. DIRECT AUDIO

DIRECT モードのオーディオ信号経路をチェックします。

A2-1. ANALOG DIRECT

アナログ入力の音声信号が DIRECT モードで FRONT L/R へ出力されます。

A3. HDMI AUDIO

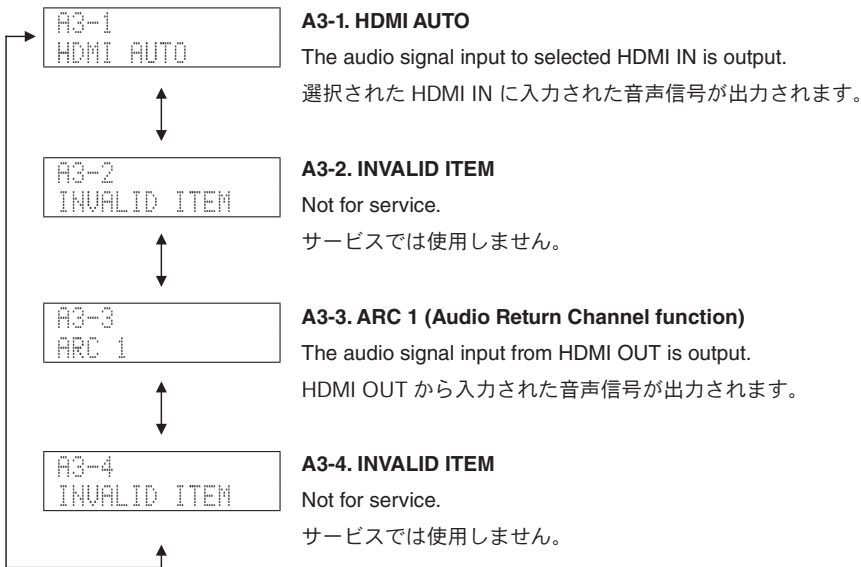
This menu is used to check the route of audio signal input to HDMI IN/OUT.

- \* Before check using “A3-3. ARC 1” menu, be sure to connect a TV monitor equipped with Audio Return Channel function to this unit in advance.

A3. HDMI AUDIO

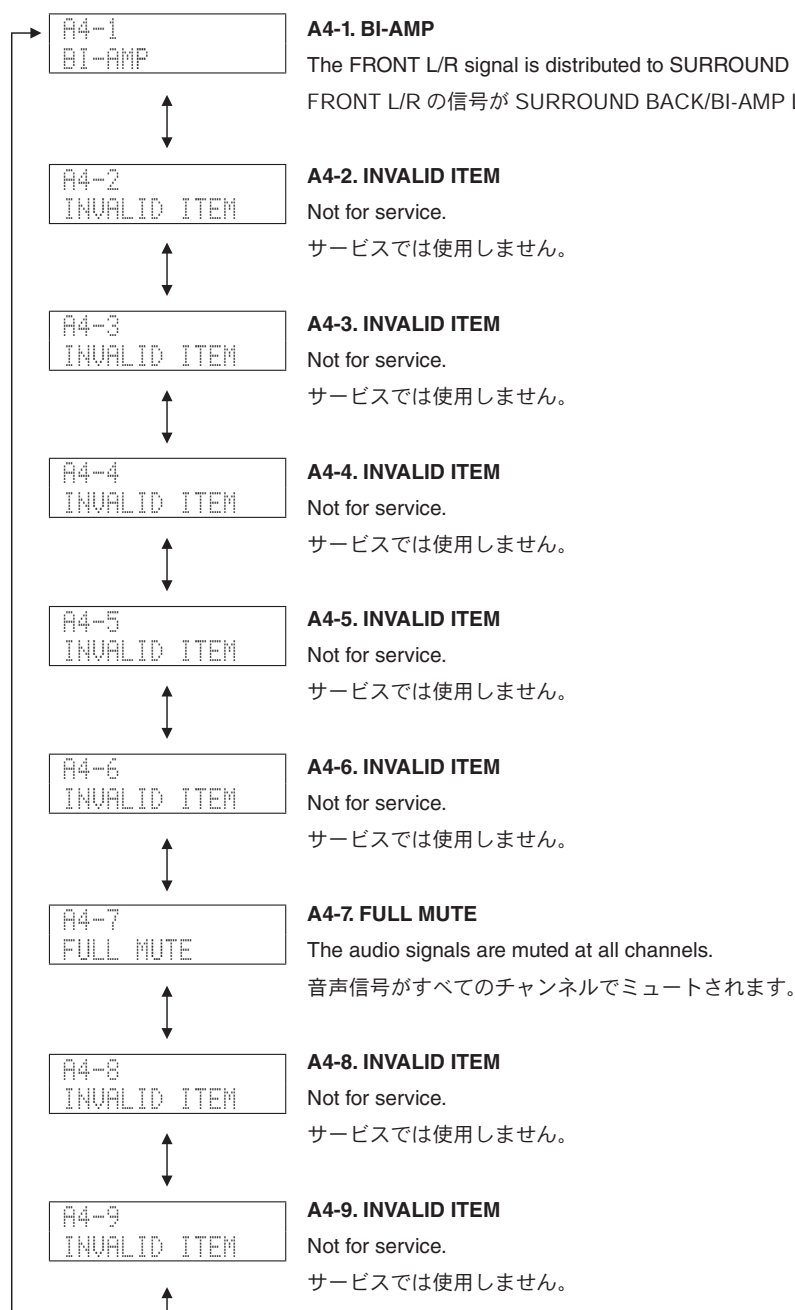
HDMI IN/OUT に入力されたオーディオ信号の経路をチェックします。

※ “A3-3. ARC 1” メニューでのチェックの前に、あらかじめ必ず Audio Return Channel 機能に対応しているテレビを接続してください。



**A4. SPEAKERS SET**

This menu is used to check the speaker output.

**A4. SPEAKERS SET**

スピーカー出力をチェックします。

INPUT: AV5 ANALOG

SPEAKER OUT: 1 kHz, SUBWOOFER OUTPUT: 50 Hz

| Sub-menu        | Input level      | Volume  | SPEAKER OUTPUT |           |              |                   | SUBWOOFER OUTPUT |
|-----------------|------------------|---------|----------------|-----------|--------------|-------------------|------------------|
|                 |                  |         | FRONT L/R      | CENTER    | SURROUND L/R | SURROUND BACK L/R |                  |
| A4-1. BI-AMP    | Both ch, -20 dBm | +6.5 dB | +11.5 dBm      | +11.5 dBm | +11.5 dBm    | +11.5 dBm         | -1.5 dBm         |
| A4-7. FULL MUTE | Both ch, -20 dBm | +6.5 dB | - ∞            | - ∞       | - ∞          | - ∞               | - ∞              |

A5. MULTI CHANNEL INPUT

Not for service.



A5. MULTI CHANNEL INPUT

サービスでは使用しません。

A6. MIC CHECK

A6-1. MIC ROUTE CHECK

The signals input through the YPAO microphone are output to FRONT L and FRONT R channels via A/D-D/A.

A6. MIC CHECK

A6-1. MIC ROUTE CHECK

YPAO マイクに入力された信号が A/D – D/A 経由で FRONT L、FRONT R チャンネルへ出力されます。



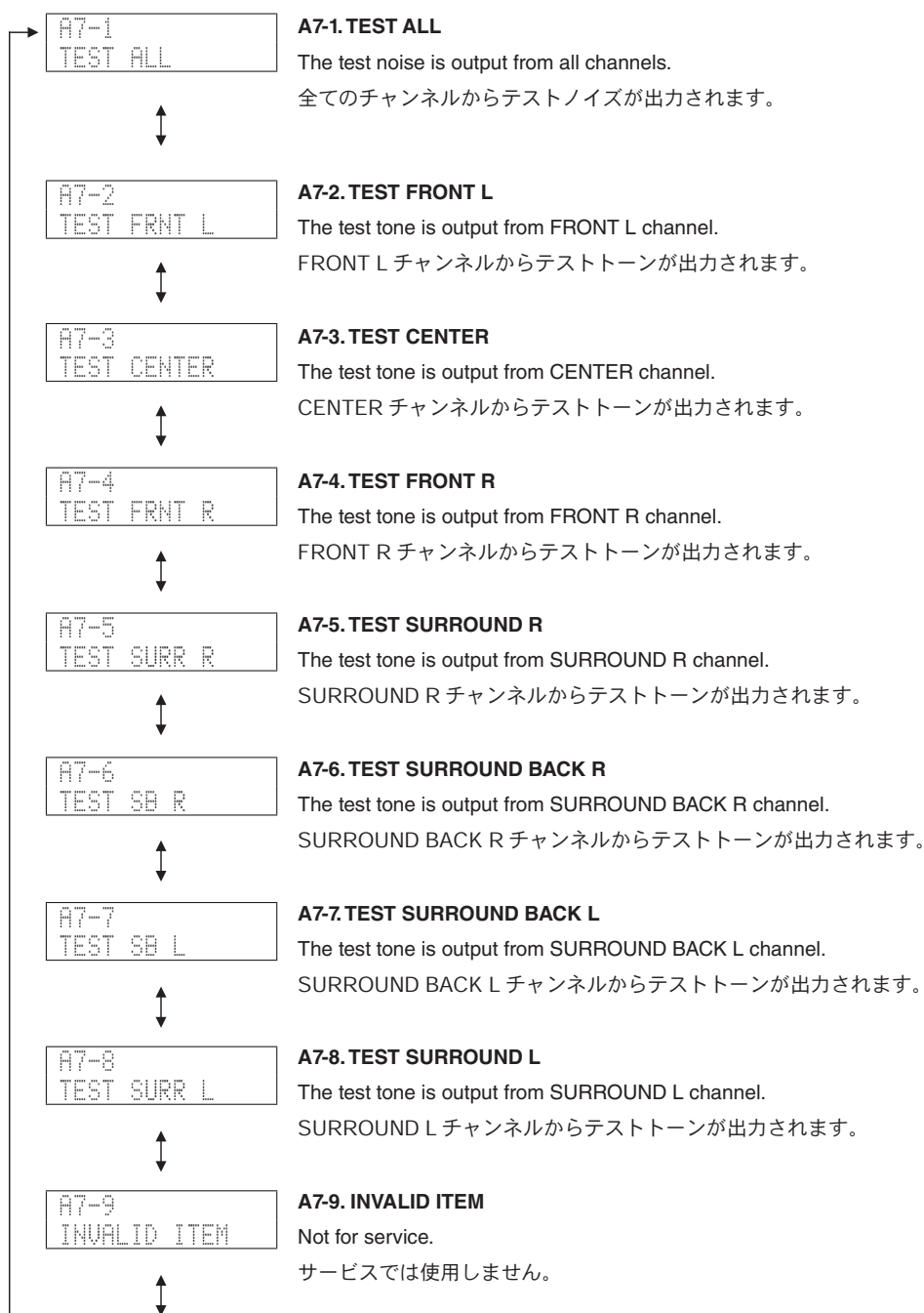
## A7. MANUAL TEST

The built-in noise generator of DSP outputs the test noise or test tone through the channels specified by using the sub-menu.

## A7. 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・テストトーンが出力されます。

|                             | Test noise / テストノイズ                    | Test tone / テストトーン       |
|-----------------------------|----------------------------------------|--------------------------|
| for LFE / LFE 用             | 30 Hz to 80 Hz<br>pink noise / ピンクノイズ  | 50 Hz<br>sine wave / 正弦波 |
| for other than LFE / LFE 以外 | 500 Hz to 2 kHz<br>pink noise / ピンクノイズ | 1 kHz<br>sine wave / 正弦波 |



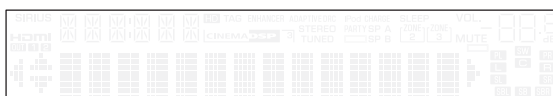
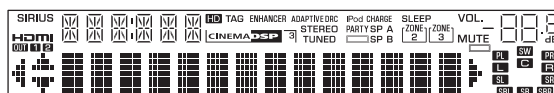


**D1. FL CHECK**

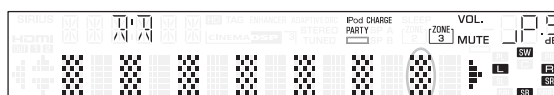
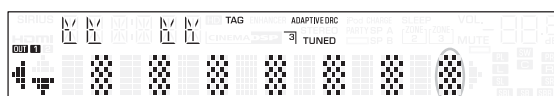
This menu is used to check the FL display.

**D1. FL CHECK**

FL 表示をチェックします。

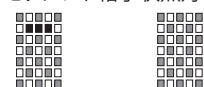
**FL display / FL 表示****D1-1. INITIAL DISPLAY / 初期表示****D1-2. ALL SEGMENT OFF / 全セグメント消灯****D1-3. ALL SEGMENT ON / 全セグメント点灯**

\* After check, change to next menu at once.  
確認後、すみやかに次のサブメニューを選択してください。

**D1-4. CHECK PATTERN 1 / チェックパターン 1****D1-5. CHECK PATTERN 2 / チェックパターン 2****Example/ 例**

Lighting on segments in lattice.

セグメント格子状点灯



Short  
ショート

Normal  
正常

Segment conditions of the FL tube is checked by turning ON and OFF all segments.

Next, 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 管のセグメントの不良を確認します。

次に、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。

（上記の例は、上から 2 列目のセグメントがショートしています。）

Z1. INVALID ITEM

Not for service.

Z1-1  
INVALID ITEM

.....

Z1-8  
INVALID ITEM

Z1. INVALID ITEM

サービスでは使用しません。

R1. INVALID ITEM

Not for service.

R1-1  
INVALID ITEM

.....

R1-7  
INVALID ITEM

R1. INVALID ITEM

サービスでは使用しません。

## U1. iPod

This menu is used to check the DOCK jack/iPod authentication IC without connecting the iPod itself.

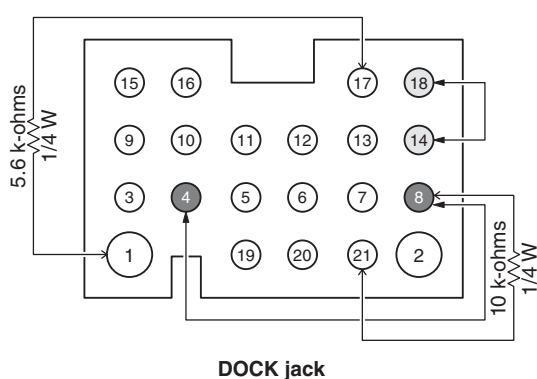
### U1-1. DOCK CHECK

With the power turned off, short the pins of the DOCK jack as shown in the figure below.

Start up the self-diagnostic function and select this menu.

The check result is displayed according to the following display specifications.

**Note)** Be sure to return the shorted pins to their original condition after executing this test.



## U1. iPod

iPod 本体を接続しないで、DOCK 端子／ iPod 認証 IC の検査を行うメニューです。

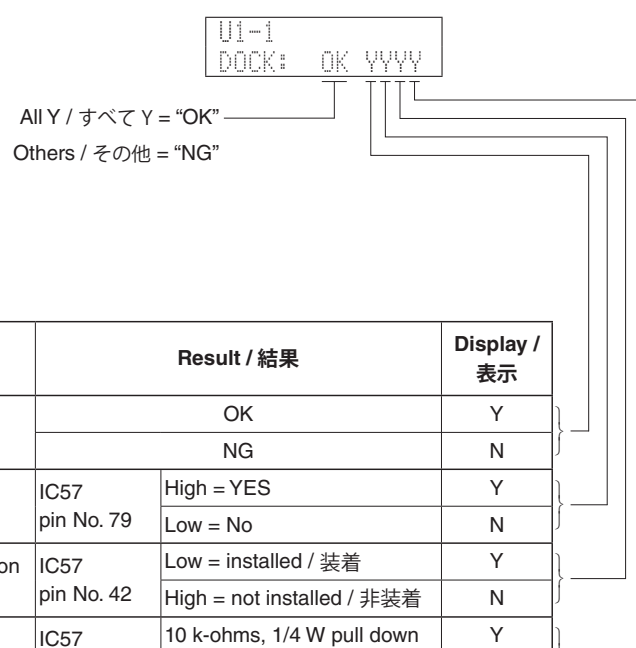
### U1-1. DOCK CHECK

電源を切った状態で、下図のように DOCK 端子のピンをショートします。

ダイアグを起動して本メニューを選択します。

下記表示仕様に従って、チェック結果が表示されます。

**注意)** 検査後、ショートしたピンを必ず元の状態に戻してください。



| Shorted pins / ショートピン        | Check item / チェック項目                                                                             | Result / 結果         |                            | Display / 表示 |
|------------------------------|-------------------------------------------------------------------------------------------------|---------------------|----------------------------|--------------|
| 14 – 18                      | UART loop back test<br>UART ループバックテスト                                                           | OK                  |                            | Y            |
|                              |                                                                                                 | NG                  |                            | N            |
| 1 – 17<br>(5.6 k-ohms, 1/4W) | DK1_AP (iPod accessory power) detection<br>DK1_AP (iPod accessory power) 検出                     | IC57<br>pin No. 79  | High = YES                 | Y            |
|                              |                                                                                                 |                     | Low = No                   | N            |
| 4 – 8                        | DK1_N_IPDET (iPod installation to DOCK) detection<br>DK1_N_IPDET (iPod installation to DOCK) 検出 | IC57<br>pin No. 42  | Low = installed / 装着       | Y            |
|                              |                                                                                                 |                     | High = not installed / 非装着 | N            |
| 8 – 21<br>(10 k-ohms, 1/4W)  | DK1_ID (DOCK ID) detection<br>DK1_ID (DOCK ID) 検出                                               | IC57<br>pin No. 157 | 10 k-ohms, 1/4 W pull down | Y            |
|                              |                                                                                                 |                     | Other                      | N            |

### U1-2. iPod AUTHENTICATION IC CHECK

Communication and bus line connection between iPod authentication IC (IC52) and microprocessor (IC57) are checked.

### U1-2. iPod AUTHENTICATION IC CHECK

iPod 認証 IC (IC52) とマイコン (IC57) の通信・バスラインの接続をチェックします。

U1-2  
AUTH CHIP: OK

OK: No error detected / 不良検出なし  
NG: An error is detected / 不良検出あり

U2. USB

This menu is used to check audio signal route of USB.

U2-1. INVALID ITEM

Not for service.

U2-1  
INVALID ITEM

U2-2. INVALID ITEM

Not for service.

U2-2  
INVALID ITEM

U2-3. INVALID ITEM

Not for service.

U2-3  
INVALID ITEM

U2-4. USB FRONT 1 TRACK

The 1st music file stored in the USB storage device connected to the USB port is reproduced.  
\* Copy 2 or more music files from PC to the root folder of the USB storage device in advance.

U2-4  
USB\_F 1 TRACK

U2-5. USB FRONT 2 TRACK

The 2nd music file stored in the USB storage device connected to the USB port is reproduced.

U2-5  
USB\_F 2 TRACK

U2-6. USB INITIAL PROGRAM LOAD

Communication and bus line connection between microprocessor (IC57) and USB host controller (IC46) are checked.  
OK : No error detected  
NG : An error is detected

U2-6  
USB IPL:OK

U2. USB

USB のオーディオ信号経路をチェックします。

U2-1. INVALID ITEM

サービスでは使用しません。

U2-2. INVALID ITEM

サービスでは使用しません。

U2-3. INVALID ITEM

サービスでは使用しません。

U2-4. USB FRONT 1 TRACK

USB ポートに接続された USB フラッシュメモリーの音楽ファイルの 1 曲目が再生されます。  
※ あらかじめ PC から USB フラッシュメモリーのルートフォルダに音楽ファイルを 2 曲以上コピーしてください。

U2-5. USB FRONT 2 TRACK

USB ポートに接続された USB フラッシュメモリーの音楽ファイルの 2 曲目が再生されます。

U2-6. USB INITIAL PROGRAM LOAD

マイコン (IC57) と USB ホストコントローラー (IC46) の通信・バスラインの接続をチェックします。  
OK : 不良検出なし  
NG : 不良検出あり

**U2-7. USB iPod CHECK**

This menu is used to check audio signal route of the iPod.

Connect between USB port of this unit and iPod with the USB cable supplied with the iPod.

```
U2-7
USB iPod:OK
```

**U2-7. USB iPod CHECK**

iPod のオーディオ信号経路をチェックします。  
本機の USB ポートと iPod を iPod に付属の USB ケーブルで接続します。

OK: Connected / 接続  
NG: No traffic / Disconnected  
通信不能 / 接続が切れている  
-: Checking / チェック中

**U3. INVALID ITEM**

Not for service.

```
U3-1
INVALID ITEM
```



```
U3-2
INVALID ITEM
```

**U3. INVALID ITEM**

サービスでは使用しません。

**N1. INVALID ITEM**

Not for service.

```
N1-1
INVALID ITEM
```

.....

```
N1-13
INVALID ITEM
```

**N1. INVALID ITEM**

サービスでは使用しません。

**C1. DIGITAL P.C.B. CHECK**

This menu is used to check the communication and bus line connection between devices on DIGITAL P.C.B.

**C1-1. ALL**

The synthetic judgment result of sub-menu C1-2 to C1-8 is displayed.

OK : No error detected  
NG : An error is detected

```
C1-1
ALL:OK
```

**C1. DIGITAL P.C.B. CHECK**

DIGITAL P.C.B. の各デバイス間の通信・バスラインの接続をチェックします。

**C1-1. ALL**

サブメニュー C1-2 ～ C1-8 の総合判定結果を表示します。

OK : 不良検出なし  
NG : 不良検出あり

C1-2. BUS FLASH ROM

Reading/writing FLASH ROM (IC58) are checked.

OK : No error detected  
NG : An error is detected



C1-2. BUS FLASH ROM

FLASH ROM (IC58) の読み出し・書き込みをチェックします。

OK : 不良検出なし  
NG : 不良検出あり

C1-3. BUS FPGA

Communication and bus line connection between microprocessor (IC57) and FPGA (IC34) are checked.

OK : No error detected  
NG : An error is detected



C1-3. BUS FPGA

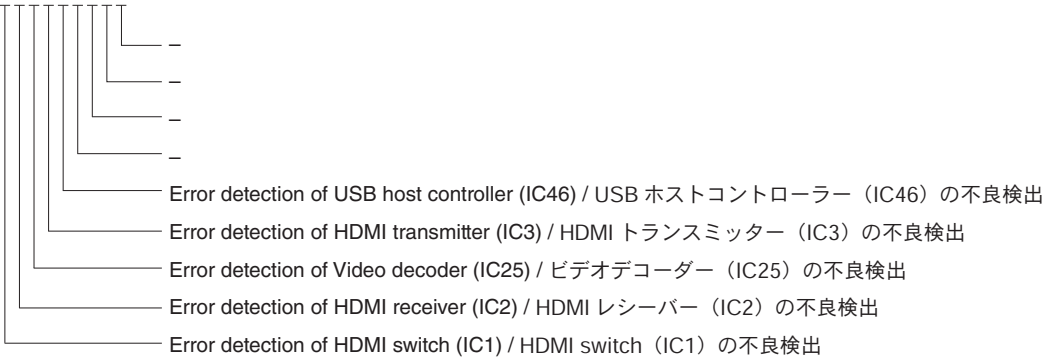
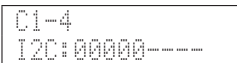
マイコン (IC57) と FPGA (IC34) の通信・バスラインの接続をチェックします。

OK : 不良検出なし  
NG : 不良検出あり

C1-4. I2C

The I2C (Inter integrated route) bus line connection is checked.

0 : No error detected  
1 : An error is detected



C1-4. I2C

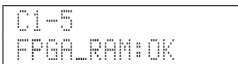
I2C (Inter integrated route) バスラインの接続をチェックします。

0 : 不良検出なし  
1 : 不良検出あり

C1-5. FPGA RAM

Reading/writing SDRAM (IC32) are checked.

OK : No error detected  
NG : An error is detected



C1-5. FPGA RAM

SDRAM (IC32) の読み出し・書き込みをチェックします。

OK : 不良検出なし  
NG : 不良検出あり

**C1-6. BUS DIR**

Communication and bus line connection between microprocessor (IC57) and DIR (IC72) are checked.

OK : No error detected  
NG : An error is detected

```
C1-6
DIR BUS:OK
```

**C1-6. BUS DIR**

マイコン (IC57) と DIR (IC72) の通信・バスラインの接続をチェックします。

OK : 不良検出なし  
NG : 不良検出あり

**C1-7. BUS DSP1**

Communication and bus line connection between microprocessor (IC57) and DSP1 (IC74) are checked.

OK : No error detected  
NG : An error is detected

```
C1-7
DSP1 BUS:OK
```

**C1-7. BUS DSP1**

マイコン (IC57) と DSP1 (IC74) の通信・バスラインの接続をチェックします。

OK : 不良検出なし  
NG : 不良検出あり

**C1-8. EEPROM**

Reading EEPROM (IC55) is checked.

OK : No error detected  
NG : An error is detected

```
C1-8
EEPROM:OK
```

**C1-8. EEPROM**

EEPROM (IC55) の読み出しをチェックします。

OK : 不良検出なし  
NG : 不良検出あり

**C1-9. INVALID ITEM**

Not for service.

```
C1-9
INVALID ITEM
```

**C1-9. INVALID ITEM**

サービスでは使用しません。

**C1-10. INVALID ITEM**

Not for service.

```
C1-10
INVALID ITEM
```

**C1-10. INVALID ITEM**

サービスでは使用しません。

C2. HDMI INFORMATION

This menu is used to display information about HDMI.

C2-1. HDMI MODEL NAME

The model name of this unit written in HDMI module is displayed.

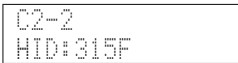
RX-V571  
HTR-5064



C2-2. HDMI PRODUCT ID

The product ID of this unit written in HDMI module is displayed.

RX-V571 : 315F  
HTR-5064 : 316A



C2. HDMI INFORMATION

HDMI に関する情報が表示されます。

C2-1. HDMI MODEL NAME

HDMI モジュールに書き込まれている本機のモデル名が表示されます。

RX-V571

C2-2. HDMI PRODUCT ID

HDMI モジュールに書き込まれている本機のプロダクト ID が表示されます。

RX-V571 : 315F

V1. ANALOG VIDEO CHECK

This menu is used to check the analog video signal route.

V1-1. ANALOG BYPASS

The video signal is converted and output as shown below.

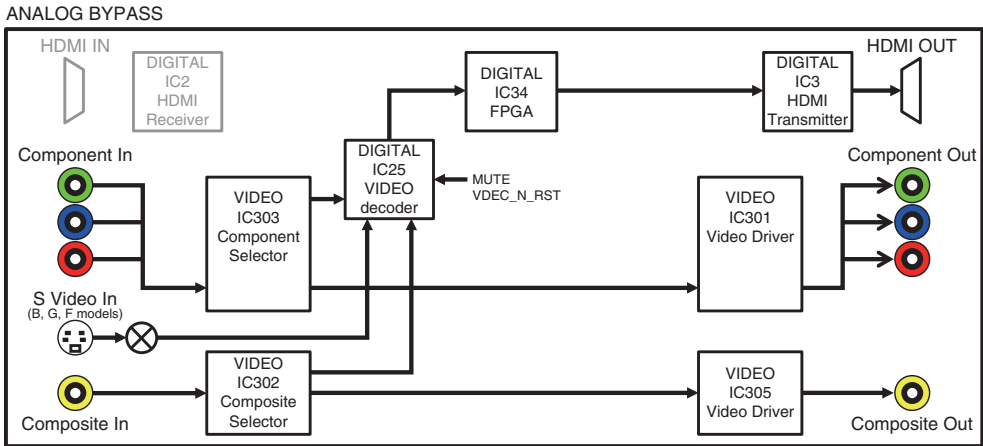


V1. ANALOG VIDEO CHECK

アナログ映像信号の経路をチェックします。

V1-1. ANALOG BYPASS

映像信号が以下のように変換され、出力されます。



**V1-2. INVALID ITEM**

Not for service.

```
V1-2
INVALID ITEM
```

**V1-2. INVALID ITEM**

サービスでは使用しません。

**V1-3. INVALID ITEM**

Not for service.

```
V1-3
INVALID ITEM
```

**V1-3. INVALID ITEM**

サービスでは使用しません。

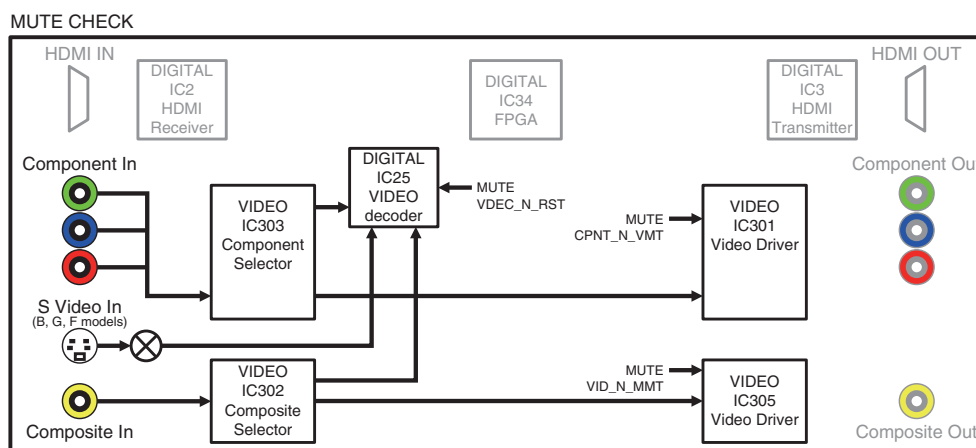
**V1-4. MUTE CHECK**

The video signal is muted.

```
V1-4
MUTE CHECK
```

**V1-4. MUTE CHECK**

映像信号がミュートされます。

**V1-5. INVALID ITEM**

Not for service.

```
V1-5
INVALID ITEM
```

**V1-5. INVALID ITEM**

サービスでは使用しません。

**V1-6. VIDEO INFORMATION**

The information of input analog video signals is displayed.

```
V1-6
VID IN:480i60
```

**V1-6. VIDEO INFORMATION**

入力されているアナログ映像信号の情報が表示されます。

V2. DIGITAL VIDEO CHECK

This menu is used to check the digital video signal route.

V2-1. LOOPBACK TEST 1

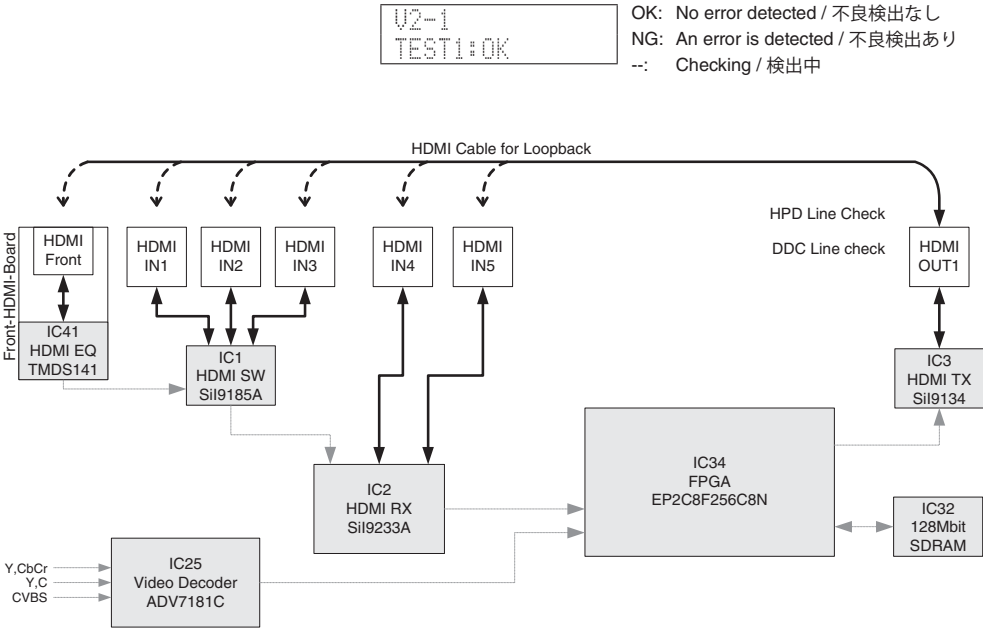
- Execute the test for all HDMI IN jacks by repeating the procedure below.
1. Select sub-menu other than V2-1.
  2. Connect between any of the HDMI IN jacks and HDMI OUT jack with an HDMI cable.
  3. Select V2-1. The test result is displayed in a few seconds.

V2. DIGITAL VIDEO CHECK

デジタル映像信号経路をチェックします。

V2-1. LOOPBACK TEST 1

- 下記の手順を繰り返して全 HDMI IN 端子のテストを行います。
1. V2-1 以外のサブメニューを選択します。
  2. HDMI IN 端子の 1 つと HDMI OUT 端子を HDMI ケーブルで接続します。
  3. V2-1 を選択します。数秒後にテスト結果が表示されます。



**V2-2. LOOPBACK TEST 2**

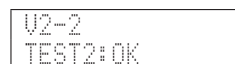
Execute the test for all HDMI IN jacks by repeating the procedure below.

1. Select sub-menu other than V2-2.
2. Connect between any of the HDMI IN jacks and HDMI OUT jack with an HDMI cable.
3. Select the input source corresponding to the connected HDMI IN jack by using "INPUT" knob.
4. Select V2-2. The test result is displayed in a few seconds.

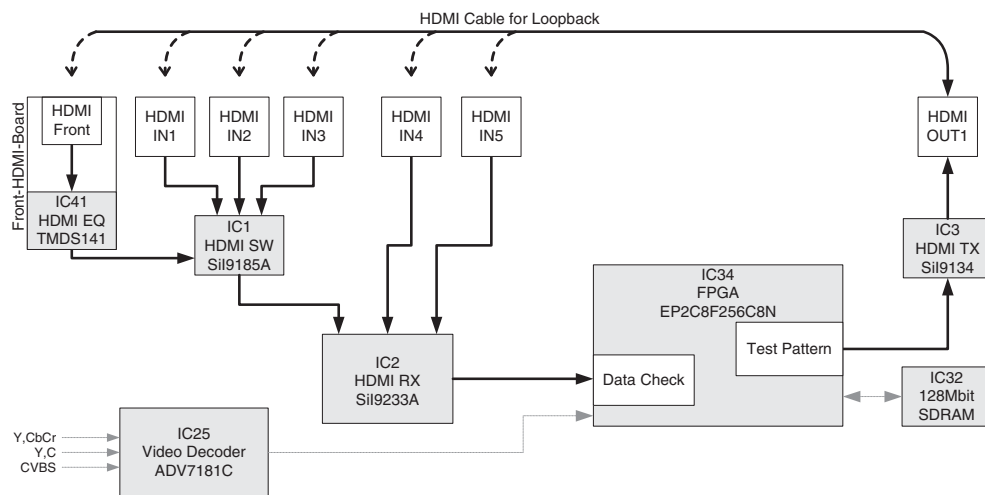
Select the input source / 入力ソースの選択



Result / 結果



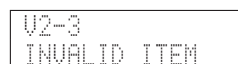
OK: No error detected / 不良検出なし  
 NG: An error is detected / 不良検出あり  
 --: Checking / 検出中

**V2-3. INVALID ITEM**

Not for service.

**V2-3. INVALID ITEM**

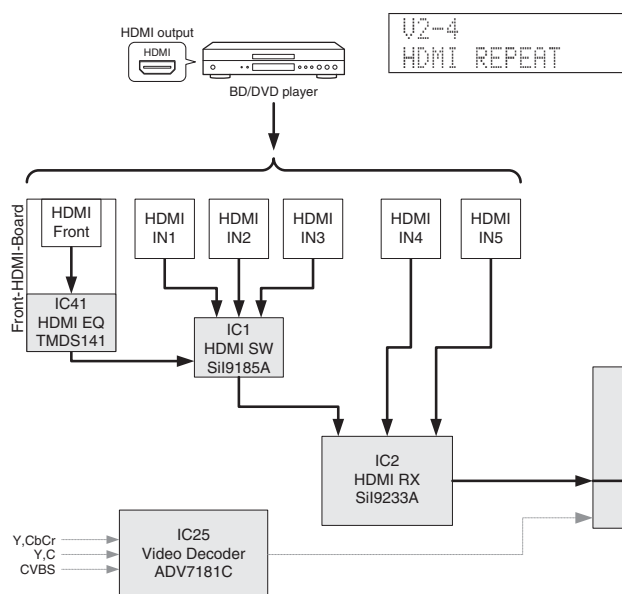
サービスでは使用しません。



**V2-4. HDMI REPEAT**

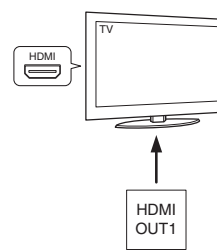
- \* Before check using sub-menu V2-4, disconnect the HDMI cable connected between HDMI OUT jack and HDMI IN jack of this unit in advance.

The video/audio signals input to HDMI IN jack are output to HDMI OUT jack.

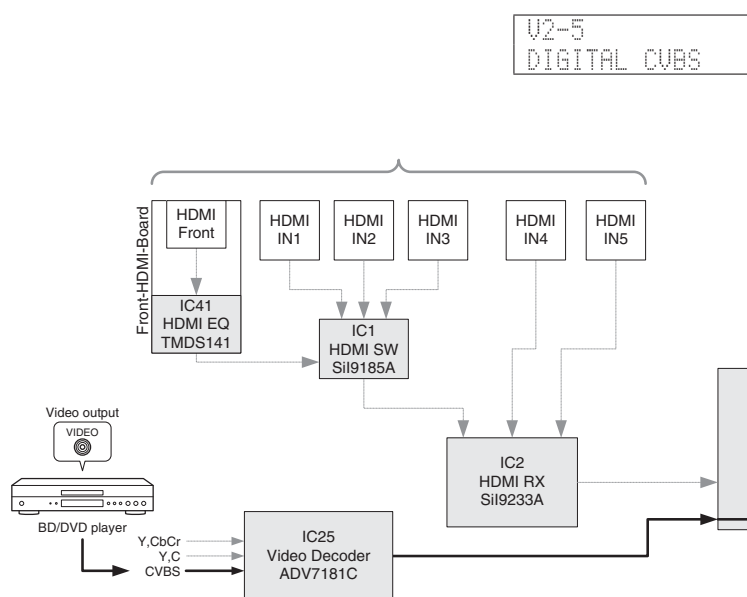
**V2-4. HDMI REPEAT**

- ※ サブメニュー V2-4 でのチェックの前に、あらかじめ本機の HDMI OUT 端子と IN 端子間に接続されている HDMI ケーブルを外します。

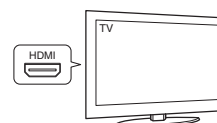
HDMI IN 端子から入力された映像信号と音声信号が HDMI OUT 端子へ出力されます。

**V2-5. DIGITAL CVBS**

The video (CVBS) signal is converted and output as shown below.

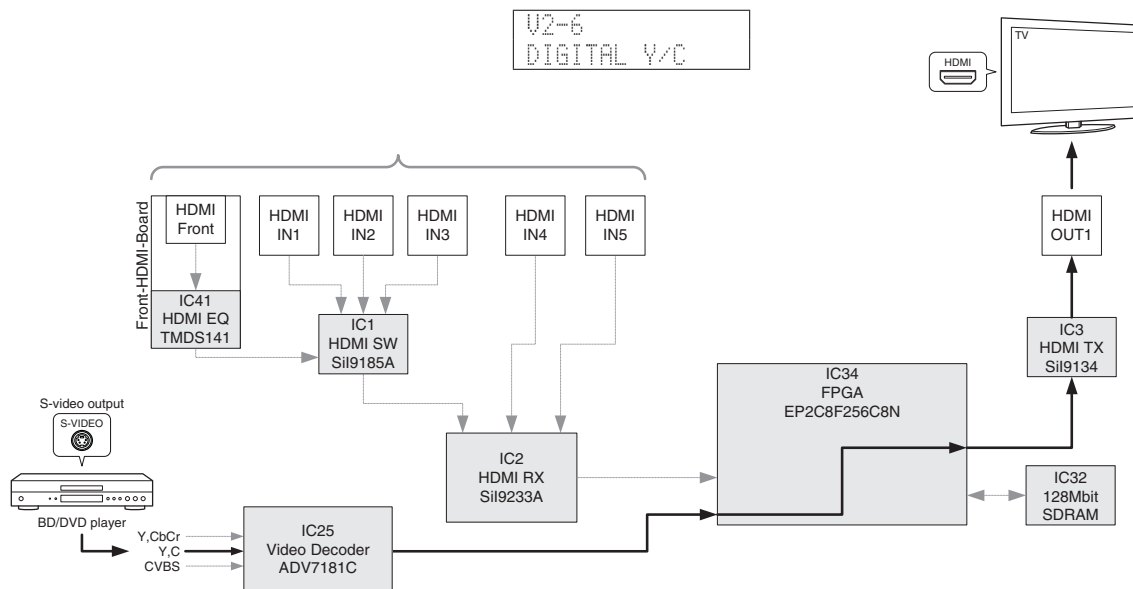
**V2-5. DIGITAL CVBS**

映像信号が以下のように変換され、出力されます。



**V2-6. DIGITAL Y/C (B, G, F models)**

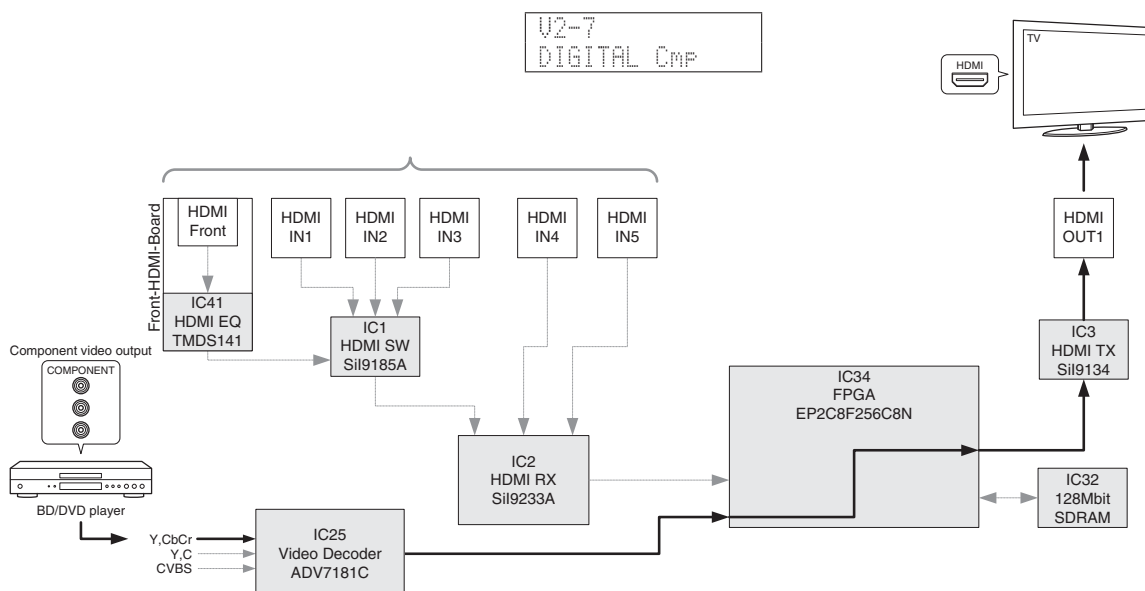
The s-video (Y, C) signal is converted and output as shown below.



サービスでは使用しません。

**V2-6. DIGITAL Y/C (B, G, F models)****V2-7. DIGITAL COMPONENT**

The component video (Y, Cb, Cr) signal is converted and output as shown below.



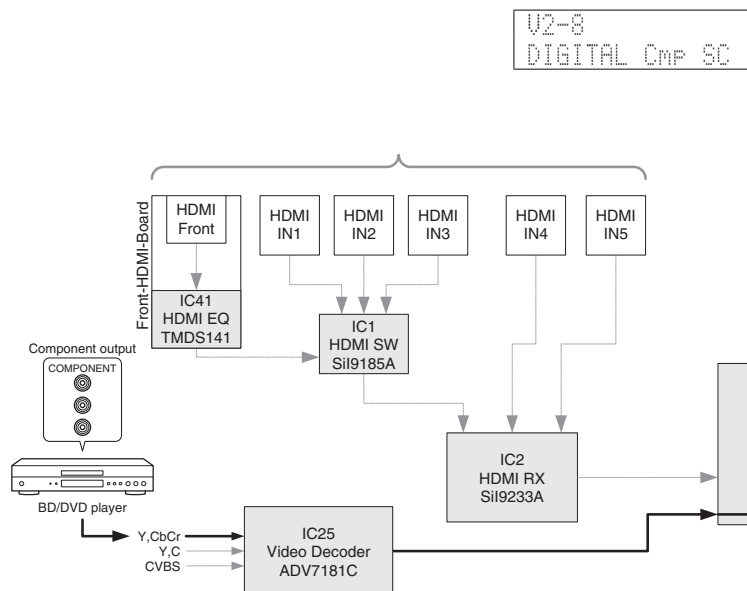
映像信号が以下のように変換され、出力されます。

**V2-7. DIGITAL COMPONENT**

**V2-8. DIGITAL COMPONENT SC**

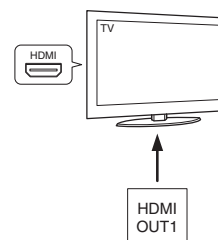
The component video (Y, Cb, Cr) signal is converted and output as shown below.

HDMI video output up-scaling:  
480i/p, 576i/p only => 1080p

**V2-8. DIGITAL COMPONENT SC**

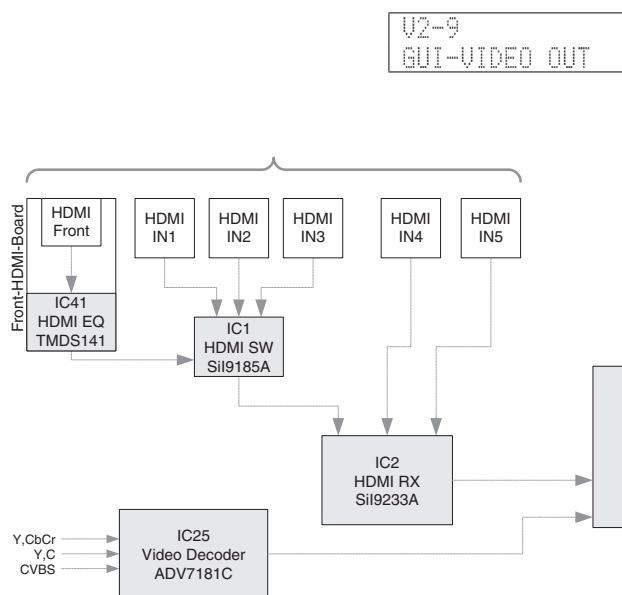
映像信号が以下のように変換され、出力されます。

アップスケーリング：  
480i/p、576i/p のみ => 1080p

**V2-9. GUI-VIDEO OUT**

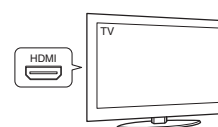
The GUI is output from FPGA (IC34 on DIGITAL P.C.B.).

HDMI output: 1080p only

**V2-9. GUI-VIDEO OUT**

FPGA (DIGITAL P.C.B. の IC34) から GUI が出力されます。

HDMI 出力：1080p のみ



## P1. SYSTEM MONITOR

This menu is used to display the A/D conversion value of the microprocessor which detects panel keys and protection functions by using the sub-menu.

When "P1-7. KEY1/KEY2" sub-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 pressing the "SCENE RADIO" (forward) key or "SCENE CD" (reverse) key on the remote control.

- \* Numeric values in the figure are given as reference only.

### P1-1. DC

Power amplifier DC (DC voltage) output is detected.

The voltage at 166 pin (DC\_PRT) of IC57 is displayed.

Normal value: 23 to 70

(Reference voltage: 3.3 V=255)

- \* If DC becomes out of the normal value range, the protection function works to turn off the power.

```
P1-1
DC: 46
```

### P1-2. PS1/PS2

Power supply voltage protection detection

The voltage at 155 pin (PS1\_PRT)/156 pin (PS2\_PRT) of IC57 are displayed.

Voltage detects

**PS1:** ACBL, AC12, AC5,  $\pm 7$ , +3.3s

**PS2:** VP, +5T, +5A, +3.3s, -5VA

Normal value

**PS1:** 33 to 128

**PS2:** 30 to 113 ( $\pm 5$ VA: On)

99 to 181 ( $\pm 5$ VA: Off)

(Reference voltage: 3.3 V=255)

- \* If PS1 or PS2 becomes out of the normal value range, the protection function works to turn off the power.

```
P1-2
PS: 80 / 72
```

## P1. SYSTEM MONITOR

パネルキー、プロテクションなどを検出しているマイコンの A/D 変換値を、サブメニューで表示します。

サブメニュー "P1-7. KEY1/KEY2" 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、リモコンの"SCENE RADIO"(順送り)キーまたは"SCENE CD"(逆送り)キーを押すことにより、次のサブメニューに進めることができます。

- ※ 図中の数値は参考例です。

### P1-1. DC

パワーアンプ DC (直流電圧) 出力の検出

IC57 の 166 ピン (DC\_PRT) の電圧が表示されます。

正常値: 23 ~ 70

(基準電圧: 3.3 V=255)

- ※ DC が正常値を外れるとプロテクションが働き、電源が切れます。

### P1-2. PS1/PS2

電源電圧プロテクションの検出

IC57 の 155 ピン (PS1\_PRT) / 156 ピン (PS2\_PRT) の電圧が表示されます。

検出電圧

**PS1:** ACBL, AC12, AC5,  $\pm 7$ , +3.3s

**PS2:** VP, +5T, +5A, +3.3s, -5VA

正常値

**PS1:** 33 ~ 128

**PS2:** 30 ~ 113 ( $\pm 5$ VA: オン)

99 ~ 181 ( $\pm 5$ VA: オフ)

(基準電圧: 3.3 V=255)

- ※ PS1 または PS2 が正常値を外れるとプロテクションが働き、電源が切れます。

**P1-3. TM**

Temperature of the heatsink is detected.

The voltage at 159 pin (TMH1)/158 pin (THM2, U, C models) of IC57 is displayed.

Normal value: 42 to 255

(Reference voltage: 3.3 V=255)

- \* If TM becomes out of the normal value range, the protection function works to turn off the power.

```
P1-3
TM: 114
```

**P1-3. TM**

ヒートシンク温度の検出

IC57 の 159 ピン (TMH1) の電圧が表示されます。

正常値: 42 ~ 255

(基準電圧: 3.3 V=255)

- ※ TM が正常値を外れるとプロテクションが働き、電源が切れます。

**P1-4. OUTPUT LEVEL**

Output level of speaker output is detected.

The voltage at 165 pin (AMP\_OLV) of IC57 is displayed.

(Reference voltage: 3.3 V=255)

```
P1-4
OUTLVL: 255
```

**P1-4. OUTPUT LEVEL**

スピーカー出力の出力レベルの検出

IC57 の 165 ピン (AMP\_OLV) の電圧が表示されます。

(基準電圧: 3.3 V=255)

**P1-5. LIMITER CONTROL**

Power limiter control is detected.

The voltage at 4 pin (AMP\_LMT) of IC57 is displayed.

(Reference voltage: 3.3 V=255)

```
P1-5
LMTONT: 255
```

**P1-5. LIMITER CONTROL**

電源リミッター制御の検出

IC57 の 4 ピン (AMP\_LMT) の電圧が表示されます。

(基準電圧: 3.3 V=255)

**P1-6. L3 (J model)**

Not for service.

```
P1-6
L3: 1
```

**P1-6. L3 (J model)**

D 端子の L3 (VIDEO P.C.B. CB461 ~ 463 の 11 ピン) レベルの検出

IC57 の 167 ピン (L3\_DET) の電圧が表示されます。  
(基準電圧: 5 V=255)

**P1-7. KEY1/KEY2**

Panel key is detected.

When the A/D conversion value of the panel key becomes out of the specified range, normal operation will not be available.

In that case, check the constant of voltage dividing resistor, solder condition, etc. Refer to table.

- \* When "P1-7. KEY1/KEY2" 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 pressing the "SCENE RADIO" (forward) key or "SCENE CD" (reverse) key on the remote control.

(Reference voltage: 3.3 V=255)

**P1-7. KEY1/KEY2**

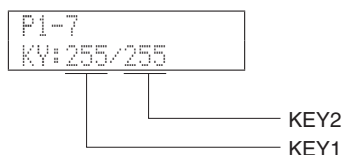
パネルキーの検出

パネルキーの A/D 値が規定範囲から外れると、正常な動きをしません。

下表をご覧になり、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。

※ "P1-7. KEY1/KEY2" 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、リモコンの "SCENE RADIO" (順送り) キーまたは "SCENE CD" (逆送り) キーを押すことにより、次のサブメニューに進めることができます。

(基準電圧：3.3 V=255)



| Display / 表示 | KEY1               |
|--------------|--------------------|
| 0 – 11       | RADIO<br>(SCENE4)  |
| 12 – 32      | CD<br>(SCENE3)     |
| 33 – 54      | TV<br>(SCENE2)     |
| 55 – 75      | BD/DVD<br>(SCENE1) |
| 76 – 96      | –                  |
| 97 – 119     | –                  |
| 120 – 142    | INPUT<br>>         |
| 143 – 163    | INPUT<br><         |
| 182 – 197    | ⏻ (Power)          |
| 198 – 209    | TONE<br>CONTROL    |
| 255          | Key off            |

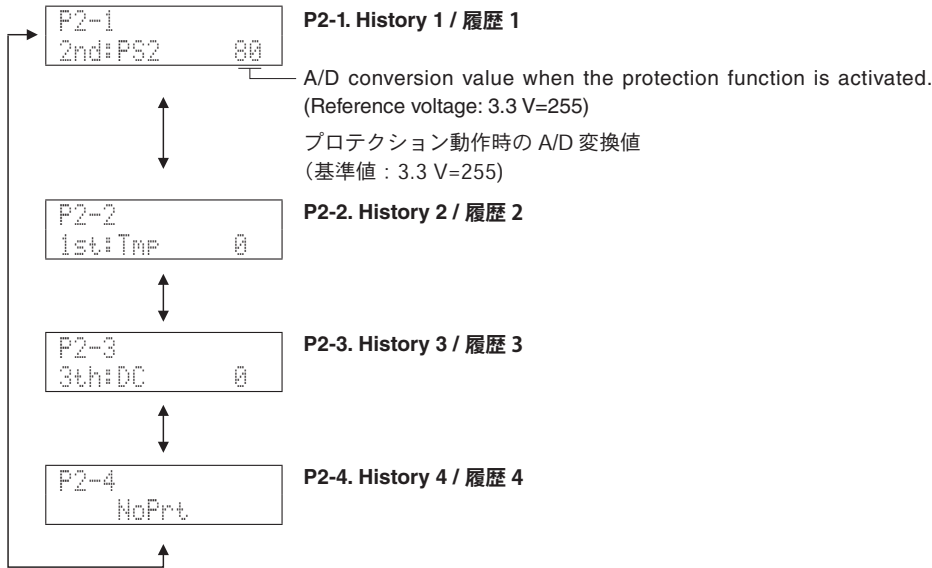
| Display / 表示 | KEY2         |
|--------------|--------------|
| 0 – 11       | DIRECT       |
| 12 – 32      | TUNING<br>>> |
| 33 – 54      | TUNING<br><< |
| 55 – 77      | AM           |
| 78 – 99      | FM           |
| 100 – 121    | PRESET<br>>  |
| 122 – 144    | PRESET<br><  |
| 145 – 166    | MEMORY       |
| 167 – 186    | INFO         |
| 187 – 205    | STRAIGHT     |
| 206 – 226    | PROGRAM<br>> |
| 227 – 246    | PROGRAM<br>< |
| 255          | Key off      |

P2. PROTECTION HISTORY

This menu is used to display the history of protection function.

All history of protection function will be erased by pressing the "STRAIGHT" key.

\* Numeric values in the figure are given as reference only.



S1. F/W UPDATE

Not for service.

S1. F/W UPDATE

サービスでは使用しません。



S2. SET INFORMATION

The model name and destination of this unit are displayed.

S2. SET INFORMATION

本機のモデル名、仕向け先が表示されます。

S2-1. MODEL

The model name of this unit is displayed.

S2-1. MODEL

本機のモデル名が表示されます。

| Model name                          | RX-V571 | HTR-5064 |
|-------------------------------------|---------|----------|
| A/D conversion value<br>(3.3 V=255) | 34 – 58 | 59 – 81  |

A/D conversion value / A/D 変換値  
Model name / モデル名  
V571 : RX-V571  
H5064 : HTR-5064

**S2-2. DESTINATION**

The destination of this unit is displayed.

S2-2  
DEST:U 28

A/D conversion value / A/D 変換値  
Destination / 仕向け先

| Destination                         | J      | U       | C       | R       | T        | K         | A         | B, G, F   | L         |
|-------------------------------------|--------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|
| A/D conversion value<br>(3.3 V=255) | 0 – 12 | 13 – 39 | 40 – 67 | 68 – 92 | 93 – 115 | 116 – 140 | 141 – 169 | 199 – 221 | 222 – 244 |

**S2-2. DESTINATION**

本機の仕向け先が表示されます。

**S2-3. DEBUG**

Not for service.

S2-3  
DBG:255

**S2-3. DEBUG**

サービスでは使用しません。

**S3. FACTORY PRESET**

This menu is used to reserve/inhibit initialization of the back-up IC (EEPROM: IC55 on DIGITAL P.C.B.).

S3-1  
PRESET:INH



S3-1  
PRESET:RSRV

**S3-1. PRESET INHIBIT** (Initialization inhibited) / **PRESET INHIBIT** (初期化禁止)

Initialization of the back-up IC is not executed. Select this sub-menu to protect the values set by the user.  
バックアップ用 IC 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。

**S3-1. PRESET RESERVED** (Initialization reserved) / **PRESET RESERVED** (初期化予約)

Initialization of the back-up IC is reserved. (Actual initialization is executed the next time the power is turned on.) To reset to the original factory settings or to reset the backup IC, select this sub-menu and press the “ $\phi$ ” (Power) key to turn off the power.

ユーザーメモリー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。) 工場出荷時やユーザーメモリーをリセットしたいときは、こちらを選択してから “ $\phi$ ” (電源) キーを押して電源を切ってください。

**CAUTION:** Before setting to the PRESET RESERVED, write down the existing preset memory content of the tuner. (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の内容を書き写してください。(初期化をすると、チューナーのユーザーメモリーの内容は消えてしまいます。)

S4. ROM VERSION/CHECKSUM

The firmware version and checksum values are displayed.

The checksum is obtained by adding the data at every 8-bit and expressing the result as a 4-figure hexadecimal notation.

\* Numeric values in the figure are given as reference only.

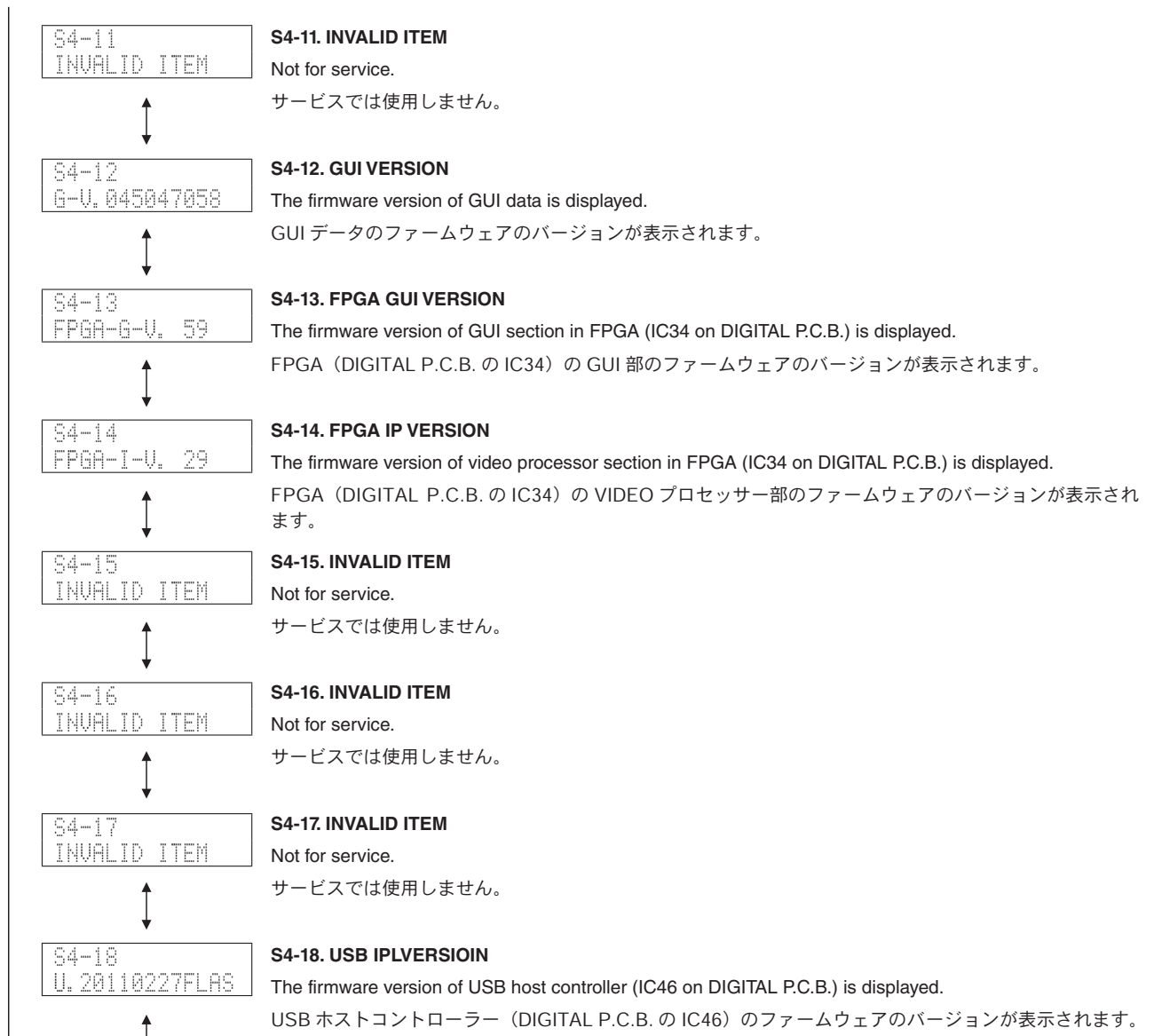
S4. ROM VERSION/CHECKSUM

ファームウェアのバージョン、チェックサムが表示されます。

チェックサムは、データを 8 ビットごとに加算していき、4 桁の 16 進数で表記したものです。

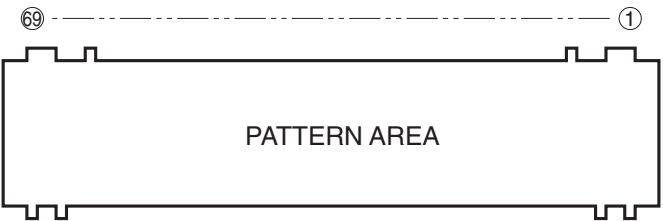
※ 図中の数値は参考例です。





■ DISPLAY DATA

● V4001 : 18-MT-11GNK (OPERATION P.C.B.)



● PIN CONNECTION

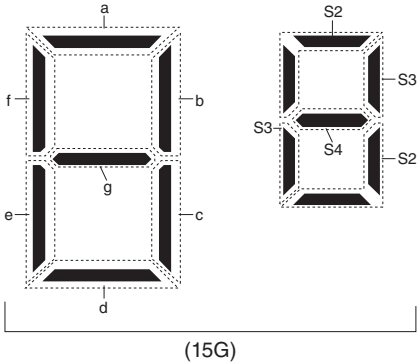
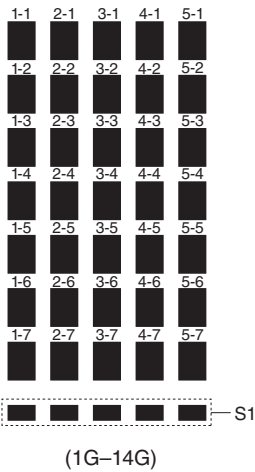
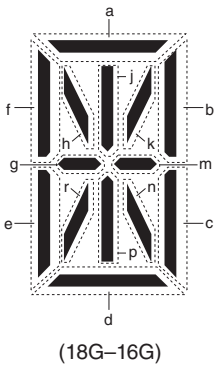
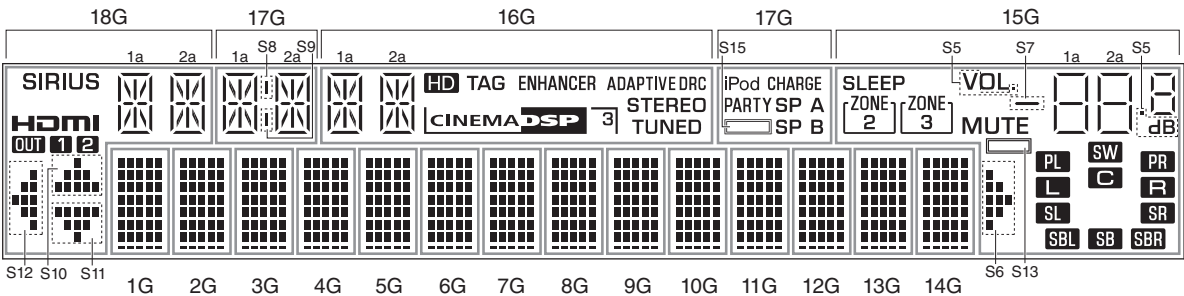
|            |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pin No.    | 69 | 68 | 67 | 66 | 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  |
| Connection | F2 | NX | NP | NP | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 | P20 | P21 | P22 | P23 | P24 | P25 | P26 | P27 | P28 | P29 | P30 | P31 |

|            |     |     |     |     |     |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Pin No.    | 34  | 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 | P32 | P33 | P34 | P35 | P36 | NX | NX | NX | NX | NX | NX | NX | 18G | 17G | 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 pin    2) NP ..... No pin    3) NX ..... No extend pin    4) 1G-18G ..... Grid pin

● GRID ASSIGNMENT



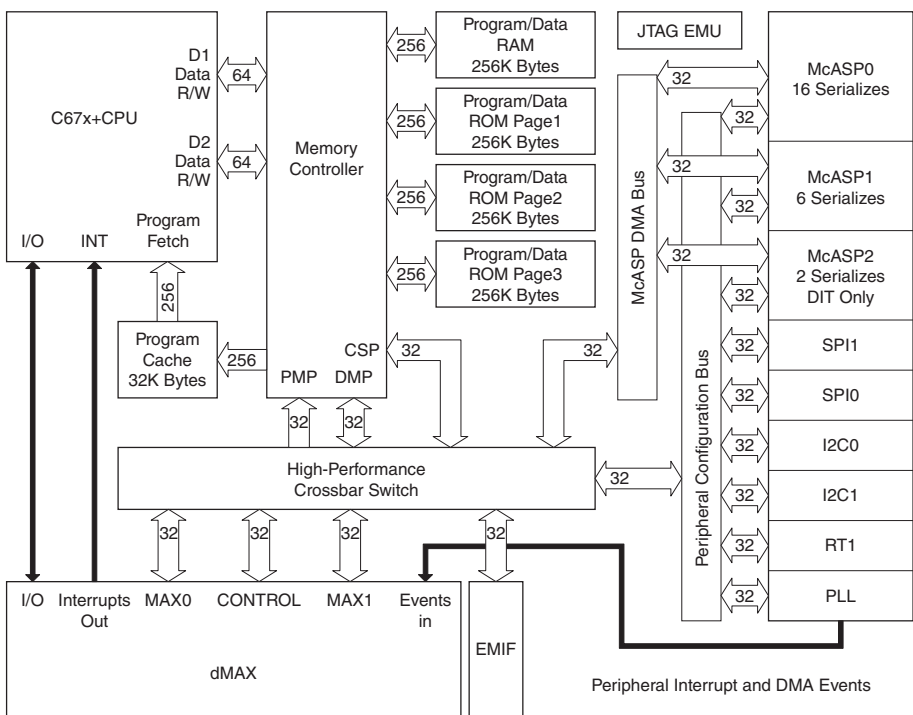
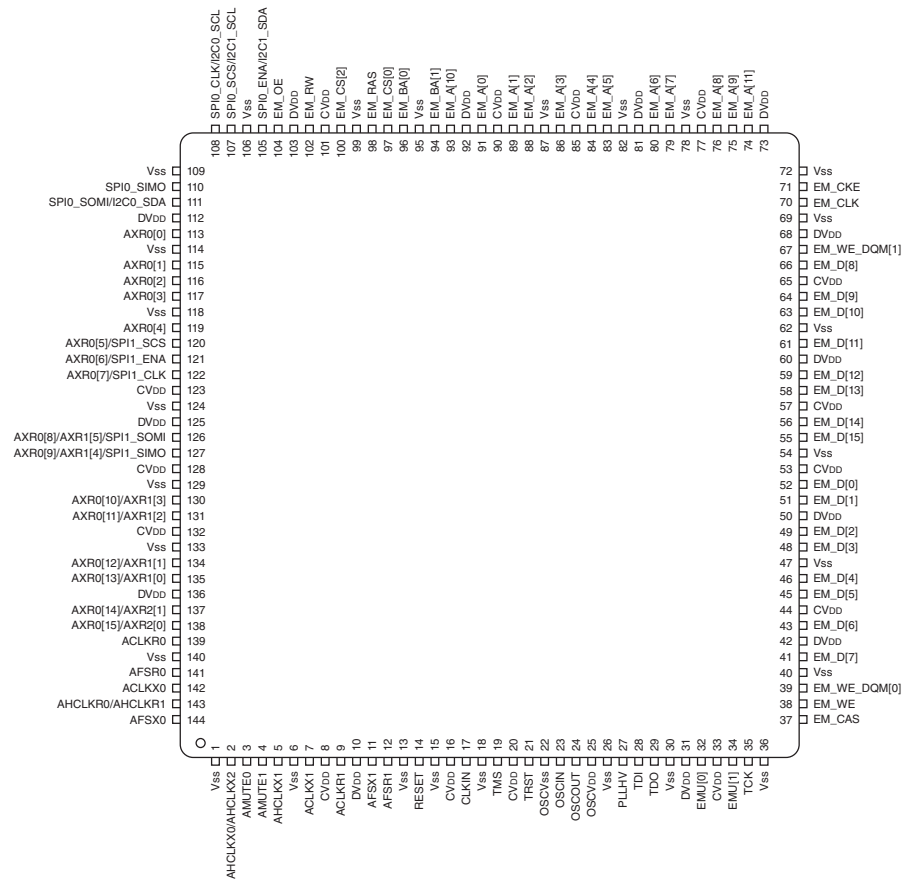
● ANODE CONNECTION

|     | 18G           | 17G         | 16G               | 15G           | 1G-14G |
|-----|---------------|-------------|-------------------|---------------|--------|
| P1  | 1a            | 1a          | 1a                | S5            | 1-1    |
| P2  | 1h            | 1h          | 1h                | S7            | 2-1    |
| P3  | 1j            | 1j          | 1j                | 1d            | 3-1    |
| P4  | 1k            | 1k          | 1k                | 2d            | 4-1    |
| P5  | 1b            | 1b          | 1b                | S2            | 5-1    |
| P6  | 1f            | 1f          | 1f                | 1e            | 1-2    |
| P7  | 1m            | 1m          | 1m                | 2e            | 2-2    |
| P8  | 1g            | 1g          | 1g                | S3            | 3-2    |
| P9  | 1c            | 1c          | 1c                | 1c            | 4-2    |
| P10 | 1e            | 1e          | 1e                | 2c            | 5-2    |
| P11 | 1r            | 1r          | 1r                | S4            | 1-3    |
| P12 | 1p            | 1p          | 1p                | 1g            | 2-3    |
| P13 | 1n            | 1n          | 1n                | 2g            | 3-3    |
| P14 | 1d            | 1d          | 1d                | 1f            | 4-3    |
| P15 | 2a            | 2a          | 2a                | 2f            | 5-3    |
| P16 | 2h            | 2h          | 2h                | 1b            | 1-4    |
| P17 | 2j            | 2j          | 2j                | 2b            | 2-4    |
| P18 | 2k            | 2k          | 2k                | 1a            | 3-4    |
| P19 | 2b            | 2b          | 2b                | 2a            | 4-4    |
| P20 | 2f            | 2f          | 2f                | <b>PL</b>     | 5-4    |
| P21 | 2m            | 2m          | 2m                | <b>SW</b>     | 1-5    |
| P22 | 2g            | 2g          | 2g                | <b>PR</b>     | 2-5    |
| P23 | 2c            | 2c          | 2c                | <b>L</b>      | 3-5    |
| P24 | 2e            | 2e          | 2e                | <b>C</b>      | 4-5    |
| P25 | 2r            | 2r          | 2r                | <b>R</b>      | 5-5    |
| P26 | 2p            | 2p          | 2p                | <b>SL</b>     | 1-6    |
| P27 | 2n            | 2n          | 2n                | <b>SR</b>     | 2-6    |
| P28 | 2d            | 2d          | 2d                | <b>SBL</b>    | 3-6    |
| P29 | <b>SIRIUS</b> | S8          | <b>HD</b>         | <b>SB</b>     | 4-6    |
| P30 | <b>OUT</b>    | S9          | TAG               | <b>SBR</b>    | 5-6    |
| P31 | <b>HDMI</b>   | iPod CHARGE | <b>CINEMA DSP</b> | S6            | 1-7    |
| P32 | <b>1</b>      | SP B        | <b>3</b>          | S13           | 2-7    |
| P33 | <b>2</b>      | S15         | STEREO            | MUTE          | 3-7    |
| P34 | S12           | SP A        | TUNED             | <b>ZONE 2</b> | 4-7    |
| P35 | S10           | PARTY       | ENHANCER          | <b>ZONE 3</b> | 5-7    |
| P36 | S11           | —           | ADAPTIVE DRC      | SLEEP         | S1     |

IC DATA

IC74: D70YE101BRFP266 (DIGITAL P.C.B.)  
Decoder/Post processor

\* No replacement part available. / サービス部品供給なし



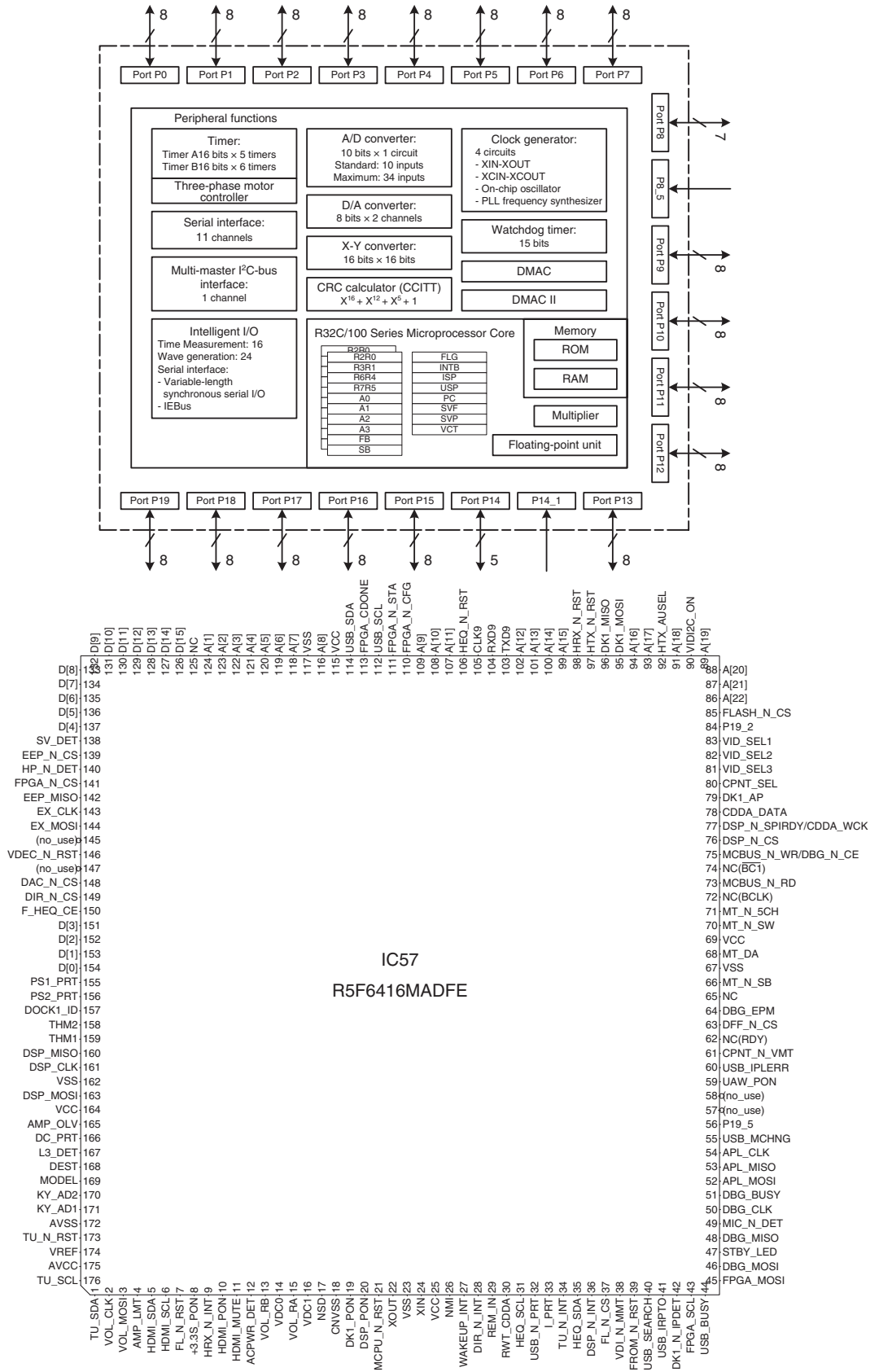
| No. | Function Name<br>(P.C.B.) | I/O | Detail of Function                                |
|-----|---------------------------|-----|---------------------------------------------------|
| 1   | VSS                       |     |                                                   |
| 2   | AHCLKX0/AHCLKX2           | IO  | McASP0 and McASP2 transmit master clock           |
| 3   | AMUTE0                    | IO  | McASP0 mute output                                |
| 4   | AMUTE1                    | IO  | McASP1 mute output                                |
| 5   | AHCLKX1                   | IO  | McASP1 transmit master clock                      |
| 6   | VSS                       |     |                                                   |
| 7   | ACLKX1                    | IO  | McASP1 transmit bit clock                         |
| 8   | CVDD                      |     |                                                   |
| 9   | ACLKR1                    | IO  | McASP1 receive bit clock                          |
| 10  | DVDD                      |     |                                                   |
| 11  | AFSX1                     | IO  | McASP1 transmit frame Sync (L/R clock)            |
| 12  | AFSR1                     | IO  | McASP1 receive frame Sync (L/R clock)             |
| 13  | VSS                       |     |                                                   |
| 14  | RESET                     | IO  | Device reset pin                                  |
| 15  | VSS                       |     |                                                   |
| 16  | CVDD                      |     |                                                   |
| 17  | CLKIN                     | IO  | Alternate clock input (3.3-V LVCMOS input)        |
| 18  | VSS                       |     |                                                   |
| 19  | TMS                       | IO  | Test mode select                                  |
| 20  | CVDD                      |     |                                                   |
| 21  | TRST                      | IO  | Test reset                                        |
| 22  | OSCVSS                    | PWR | Oscillator Vss tap point (for filter only)        |
| 23  | OSCIN                     | IO  | 1.2-V oscillator input                            |
| 24  | NC                        | O   |                                                   |
| 25  | OSCVDD                    | PWR | Oscillator 1.2-V Vpp tap point (for filter only)  |
| 26  | VSS                       |     |                                                   |
| 27  | PLLHV                     | PWR | PLL 3.3-V supply input (requires external filter) |
| 28  | TDI                       | IO  | Test data in                                      |
| 29  | TDO                       | OZ  | Test data out                                     |
| 30  | VSS                       |     |                                                   |
| 31  | DVDD                      |     |                                                   |
| 32  | EMU[0]                    | IO  | Emulation pin 0                                   |
| 33  | CVDD                      |     |                                                   |
| 34  | EMU[1]                    | IO  | Emulation pin 1                                   |
| 35  | TCK                       | IO  | Test clock                                        |
| 36  | Ground(Vss)               |     |                                                   |
| 37  | EM_CAS                    | O   | SDRAM column address strobe                       |
| 38  | EM_WE                     | O   | SDRAM write enable                                |
| 39  | EM_WE_DQM[0]              | O   | Write enable or byte enable for EM_D [7:0]        |
| 40  | VSS                       |     |                                                   |
| 41  | EM_D[7]                   | IO  | EMIF data bus [lower 16-bits]                     |
| 42  | DVDD                      |     |                                                   |
| 43  | EM_D[6]                   | IO  | EMIF data bus [lower 16-bits]                     |
| 44  | CVDD                      |     |                                                   |
| 45  | EM_D[5]                   | IO  | EMIF data bus [lower 16-bits]                     |
| 46  | EM_D[4]                   | IO  | EMIF data bus [lower 16-bits]                     |
| 47  | VSS                       |     |                                                   |
| 48  | EM_D[3]                   | IO  | EMIF data bus [lower 16-bits]                     |
| 49  | EM_D[2]                   | IO  | EMIF data bus [lower 16-bits]                     |
| 50  | DVDD                      |     |                                                   |

| No. | Function Name<br>(P.C.B.) | I/O | Detail of Function                                           |
|-----|---------------------------|-----|--------------------------------------------------------------|
| 51  | EM_D[1]                   | IO  | EMIF data bus [lower 16-bits]                                |
| 52  | EM_D[0]                   | IO  | EMIF data bus [lower 16-bits]                                |
| 53  | CVDD                      |     |                                                              |
| 54  | VSS                       |     |                                                              |
| 55  | EM_D[15]                  | IO  | EMIF data bus [lower 16-bits]                                |
| 56  | EM_D[14]                  | IO  | EMIF data bus [lower 16-Bits]                                |
| 57  | CVDD                      |     |                                                              |
| 58  | EM_D[13]                  | IO  | EMIF data bus [lower 16-Bits]                                |
| 59  | EM_D[12]                  | IO  | EMIF data bus [lower 16-Bits]                                |
| 60  | DVDD                      |     |                                                              |
| 61  | EM_D[11]                  | IO  | EMIF data bus [lower 16-Bits]                                |
| 62  | VSS                       |     |                                                              |
| 63  | EM_D[10]                  | IO  | EMIF data bus [lower 16-Bits]                                |
| 64  | EM_D[9]                   | IO  | EMIF data bus [lower 16-Bits]                                |
| 65  | CVDD                      |     |                                                              |
| 66  | EM_D[8]                   | IO  | EMIF data bus [lower 16-bits]                                |
| 67  | EM_WE_DQM[1]              | O   | Write enable or byte enable for EM_D [15:8]                  |
| 68  | DVDD                      |     |                                                              |
| 69  | VSS                       |     |                                                              |
| 70  | EM_CLK                    | O   | SDRAM clock                                                  |
| 71  | EM_CKE                    | O   | SDRAM clock enable                                           |
| 72  | VSS                       |     |                                                              |
| 73  | DVDD                      |     |                                                              |
| 74  | EM_A[11]                  | O   | EMIF address bus                                             |
| 75  | EM_A[9]                   | O   | EMIF address bus                                             |
| 76  | EM_A[8]                   | O   | EMIF address bus                                             |
| 77  | CVDD                      |     |                                                              |
| 78  | VSS                       |     |                                                              |
| 79  | EM_A[7]                   | O   | EMIF address bus                                             |
| 80  | EM_A[6]                   | O   | EMIF address bus                                             |
| 81  | DVDD                      |     |                                                              |
| 82  | VSS                       |     |                                                              |
| 83  | EM_A[5]                   | O   | EMIF address bus                                             |
| 84  | EM_A[4]                   | O   | EMIF address bus                                             |
| 85  | CVDD                      |     |                                                              |
| 86  | EM_A[3]                   | O   | EMIF address bus                                             |
| 87  | VSS                       |     |                                                              |
| 88  | EM_A[2]                   | O   | EMIF address bus                                             |
| 89  | EM_A[1]                   | O   | EMIF address bus                                             |
| 90  | CVDD                      |     |                                                              |
| 91  | EM_A[0]                   | O   | EMIF address bus                                             |
| 92  | DVDD                      |     |                                                              |
| 93  | EM_A[10]                  | O   | EMIF address bus                                             |
| 94  | EM_BA[1]                  | O   | SDRAM bank address and asynchronous memory Low-Order address |
| 95  | VSS                       |     |                                                              |
| 96  | EM_BA[0]                  | O   | SDRAM bank address and asynchronous memory Low-Order address |
| 97  | EM_CS[0]                  | O   | SDRAM chip select                                            |
| 98  | EM_RAS                    | O   | SDRAM row address strobe                                     |
| 99  | VSS                       |     |                                                              |
| 100 | EM_CS[2]                  | O   | Asynchronous memory chip select                              |

| No. | Function Name<br>(P.C.B.) | I/O | Detail of Function                                                                |
|-----|---------------------------|-----|-----------------------------------------------------------------------------------|
| 101 | CVDD                      |     |                                                                                   |
| 102 | NC                        | O   | Asynchronous memory read/not write                                                |
| 103 | DVDD                      |     |                                                                                   |
| 104 | EM_OE                     | O   | SDRAM output enable                                                               |
| 105 | SPI0_ENA/I2C1_SDA         | IO  | SPI0 enable (ready) or I2c1 serial data                                           |
| 106 | VSS                       |     |                                                                                   |
| 107 | SPI0_ENA/I2C1_SCL         | IO  | SPI0 enable (ready) or I2c1 serial clock                                          |
| 108 | SPI0_CLK/I2C0_SCL         | IO  | SPI0 serial clock or I2c0 serial clock                                            |
| 109 | VSS                       |     |                                                                                   |
| 110 | SPIO_SIMO                 | IO  | SPI0 data pin slave in master out                                                 |
| 111 | SPIO_SOMI/I2C0_SDA        | IO  | SPI0 data pin slave out master in or I2C0 serial data                             |
| 112 | DVDD                      |     |                                                                                   |
| 113 | AXR0[0]                   | IO  | McASP0 serial data 0                                                              |
| 114 | VSS                       |     |                                                                                   |
| 115 | AXR0[1]                   | IO  | McASP0 serial data 1                                                              |
| 116 | AXR0[2]                   | IO  | McASP0 serial data 2                                                              |
| 117 | AXR0[3]                   | IO  | McASP0 serial data 3                                                              |
| 118 | VSS                       |     |                                                                                   |
| 119 | AXR0[4]                   | IO  | McASP0 serial data 4                                                              |
| 120 | SPI1_SCS                  | IO  | McASP0 serial data 5 or SPI1 slave chip select                                    |
| 121 | SPI1_ENA                  | IO  | McASP0 serial data 6 or SPI1 enable (ready)                                       |
| 122 | SPI1_CLK                  | IO  | McASP0 serial data 7 or SPI1 serial clock                                         |
| 123 | CVDD                      |     |                                                                                   |
| 124 | VSS                       |     |                                                                                   |
| 125 | DVDD                      |     |                                                                                   |
| 126 | /SPI1_SOMI                | IO  | McASP0 serial data 8 or McASP1 serial data 5 or SPI1 data pin slave out master in |
| 127 | /SPI1_SIMO                | IO  | McASP0 serial data 9 or McASP1 serial data 4 or SPI1 data pin slave in master out |
| 128 | CVDD                      |     |                                                                                   |
| 129 | VSS                       |     |                                                                                   |
| 130 | AXR0[10]                  | IO  | McASP0 serial data 10 or McASP1 serial data 3                                     |
| 131 | AXR0[11]                  | IO  | McASP0 serial data 11 or McASP1 serial data 2                                     |
| 132 | CVDD                      |     |                                                                                   |
| 133 | VSS                       |     |                                                                                   |
| 134 | AXR0[12]                  | IO  | McASP0 serial data 12 or McASP1 serial data 1                                     |
| 135 | AXR0[13]                  | IO  | McASP0 serial data 13 or McASP1 serial data 0                                     |
| 136 | DVDD                      |     |                                                                                   |
| 137 | AXR0[14]                  | IO  | McASP0 serial data 14 or McASP2 serial data 1                                     |
| 138 | AXR0[15]                  | IO  | McASP0 serial data 15 or McASP2 serial data 0                                     |
| 139 | ACLKR0                    | IO  | McASP0 receive bit clock                                                          |
| 140 | VSS                       |     |                                                                                   |
| 141 | AFSR0                     | IO  | McASP0 receive frame Sync (L/R clock)                                             |
| 142 | ACLKX0                    | IO  | McASP0 transmit bit clock                                                         |
| 143 | AHCLKR0/AHCLKR1           | IO  | McASP0 and McASP1 receive master clock                                            |
| 144 | AFSX0                     | IO  | McASP0 transmit frame Sync (L/R clock)                                            |

IC57: R5F6416MADFE (DIGITAL P.C.B.)  
Microprocessor

\* No replacement part available. / サービス部品供給なし



IC57  
R5F6416MADFE

| Pin No. | Port Name                                                  | Function Name (P.C.B.) | I/O   |     | Detail of Function                                              |
|---------|------------------------------------------------------------|------------------------|-------|-----|-----------------------------------------------------------------|
|         |                                                            |                        | POWER |     |                                                                 |
|         |                                                            |                        | ON    | OFF |                                                                 |
| 1       | SRXD4/SDA4/TXD4/ANEX1/P9_6                                 | TU_SDA                 | I/O   | O   | Tuner I2C data                                                  |
| 2       | CLK4/ANEX0/P9_5                                            | VOL_CLK                | O     | O   | Volume/Selector communication clock                             |
| 3       | N_CTS4/N_N_RTS4/N_SS4/TB4IN/DA1/P9_4                       | VOL_MOSI               | O     | O   | Volume/Selector communication data                              |
| 4       | N_CTS3/N_N_RTS3/N_SS3/TB3IN/DA0/P9_3                       | AMP_LMT                | O     | I   | Limiter control                                                 |
| 5       | IEOUT/ISTXD2/OUTC2_0/SRXD3/SDA3/TXD3/TB2IN/P9_2            | HDMI_SDA               | I/O   | O   | HDMI and VDec 400k I2C data                                     |
| 6       | IEIN/ISRXD2/STXD3/SCL3/RXD3/TB1IN/P9_1                     | HDMI_SCL               | O     | O   | HDMI and VDec 400k I2C clock                                    |
| 7       | CLK3/TB0IN/P9_0                                            | FL_N_RST               | O     | O   | FLD reset                                                       |
| 8       | P19_7                                                      | +3.3S_PON              | O     | O   | +3.3S power supply control                                      |
| 9       | N_INT8/P14_6                                               | HRX_N_INT              | I     | O   | HDMI RX interrupt                                               |
| 10      | P19_6                                                      | HDMI_PON               | O     | O   | HDMI power supply control (necessary for movement of DSP, VDec) |
| 11      | N_INT7/P14_5                                               | HDMI_MUTE              | I     | O   | HDMI mute                                                       |
| 12      | N_INT6/P14_4                                               | ACPWR_DET              | I     | I   | AC power detection                                              |
| 13      | P14_3                                                      | VOL_RB                 | I     | I   | Volume B                                                        |
| 14      | VDC0                                                       | VDC0                   |       |     | ---                                                             |
| 15      | P14_1<br>(for exclusive use of the input)                  | VOL_RA                 | I     | I   | Volume A                                                        |
| 16      | VDC1                                                       | VDC1                   |       |     | ---                                                             |
| 17      | NSD                                                        | NSD                    |       |     | Debugger                                                        |
| 18      | CNVSS                                                      | CNVSS                  |       |     | ---                                                             |
| 19      | XCIN/P8_7                                                  | DK1_PON                | O     | O   | Dock1 power supply control                                      |
| 20      | XCOU/P8_6                                                  | DSP_PON                | O     | O   | DSP power supply control                                        |
| 21      | RESET                                                      | MCPU_N_RST             |       |     | ---                                                             |
| 22      | XOUT                                                       | XOUT                   |       |     | ---                                                             |
| 23      | VSS                                                        | VSS                    |       |     | ---                                                             |
| 24      | XIN                                                        | XIN                    |       |     | ---                                                             |
| 25      | VCC                                                        | VCC                    |       |     | ---                                                             |
| 26      | NMI/P8_5                                                   | NMI                    |       |     | ---                                                             |
| 27      | N_INT2/P8_4                                                | WAKEUP_INT             | I     | O   | Power switch, Dock RX detection (sleep return)                  |
| 28      | N_INT1/P8_3                                                | DIR_N_INT              | I     | O   | DIR interrupt                                                   |
| 29      | N_INT0/P8_2                                                | REM_IN                 | I     | O   | Remote control pulse input                                      |
| 30      | UD0B/UD1B/IIO1_5/N_RTS5/N_CTS5/N_SS5/U/TA4IN/P8_1          | RWT_CDDA               | O     | O   | CDDA rewriting route select                                     |
| 31      | UD0A/UD1A/RXD5/SCL5/STXD5/U/TA4OUT/P8_0                    | HEQ_SCL                | O     | O   | HDMI switch 100k I2C clock                                      |
| 32      | P18_1                                                      | USB_N_PRT              | O     | O   | No used                                                         |
| 33      | P18_0                                                      | I_PRT                  | I     | O   | Current protection                                              |
| 34      | UD0B/UD1B/IIO1_4/CLK5/TA3IN/P7_7                           | TU_N_INT               | I     | O   | Tuner interrupt                                                 |
| 35      | UD0A/UD1A/IIO1_3/N_RTS8/N_CTS8/TXD5/SDA5/SRXD5/TA3OUT/P7_6 | HEQ_SDA                | I/O   | O   | HDMI switch 100k I2C data                                       |
| 36      | IIO1_2/RXD8/W/TA2IN/P7_5                                   | DSP_N_INT              | I     | O   | DSP interrupt                                                   |
| 37      | IIO1_1/CLK8/W/TA2OUT/P7_4                                  | FL_N_CS                | O     | O   | FLD chip select                                                 |
| 38      | P17_7                                                      | VID_N_MMT              | O     | O   | Monitor output mute                                             |
| 39      | P17_6                                                      | FROM_N_RST             | O     | O   | Flash reset                                                     |
| 40      | P17_5                                                      | USB_SEARCH             | I     | O   | State of USB search                                             |
| 41      | P17_4                                                      | USB_IRPTO              | I     | O   | USB interrupt (general-purpose port)                            |
| 42      | IIO1_0/TXD8/N_SS2/N_RTS2/N_CTS2/V/TA1IN/P7_3               | DK1_N_IPDET            | I     | O   | Dock1 iPod detection                                            |
| 43      | CLK2/V/TA1OUT/P7_2                                         | FPGA_SCL               | O     | O   | FPGA clock (at Boot)                                            |

| Pin No. | Port Name                                                                | Function Name (P.C.B.)    | I/O   |     | Detail of Function                                  |
|---------|--------------------------------------------------------------------------|---------------------------|-------|-----|-----------------------------------------------------|
|         |                                                                          |                           | POWER |     |                                                     |
|         |                                                                          |                           | ON    | OFF |                                                     |
| 44      | MSCL/IEIN/ISRXD2/OUTC2_2/<br>IIO1_7/STXD2/SCL2/RXD2/TA0IN/<br>TB5IN/P7_1 | USB_BUSY                  | I     | O   | USB busy                                            |
| 45      | TA0OUT/TXD2/SDA2/SRXD2/<br>IIO1_6/OUTC2_0/ISTXD2/IEOUT/<br>MSDA/P7_0     | FPGA_MOSI                 | O     | O   | FPGA transmission data (at Boot)                    |
| 46      | TXD1/SDA1/SRXD1/P6_7                                                     | DBG_MOSI                  | O     | O   | E8a                                                 |
| 47      | P14_7                                                                    | STBY_LED                  | O     | O   | Standby LED control                                 |
| 48      | RXD1/SCL1/STXD1/P6_6                                                     | DBG_MISO                  | I     | O   | E8a                                                 |
| 49      | P11_7                                                                    | MIC_N_DET                 | I     | O   | Microphone detection                                |
| 50      | CLK1/P6_5                                                                | DBG_CLK                   | I     | O   | E8a                                                 |
| 51      | N_CTS1/N_RTS1/N_SS1/<br>OUTC2_1/ISCLK2/P6_4                              | DBG_BUSY                  | O     | O   | E8a                                                 |
| 52      | TXD0/SDA0/SRXD0/P6_3                                                     | APL_MOSI                  | O     | O   | Apple/USB SPI transmission data                     |
| 53      | TB2IN/RXD0/SCL0/STXD0/P6_2                                               | APL_MISO                  | I     | O   | Apple/USB SPI reception data                        |
| 54      | TB1IN/CLK0/P6_1                                                          | APL_CLK                   | O     | O   | Apple/USB SPI communication clock                   |
| 55      | TB0IN/N_CTS0/N_RTS0/N_SS0/<br>P6_0                                       | USB_MCHNG                 | I     | O   | USB music number change                             |
| 56      | P19_5                                                                    | P19_5                     | O     | O   | Spare                                               |
| 57      | D31/OUTC2_7/P13_7                                                        | (no_use)                  | O     | O   | Unconnected                                         |
| 58      | D30/OUTC2_1/ISCLK2/P13_6                                                 | (no_use)                  | O     | O   | Unconnected                                         |
| 59      | D29/OUTC2_2/ISRXD2/IEIN/<br>P13_5                                        | UAW_PON                   | O     | O   | UAW power supply control                            |
| 60      | D28/OUTC2_0/ISTXD2/IEOUT/<br>P13_4                                       | USB_IPLERR                | I     | O   | USB IPL Error                                       |
| 61      | P19_4                                                                    | CPNT_N_VMT                | O     | O   | Component output mute                               |
| 62      | RDY/CS3/N_CTS7/N_RTS7/P5_7                                               | NC(RDY)                   | B     | O   | External bus                                        |
| 63      | ALE/CS2/RXD7/P5_6                                                        | DFF_N_CS                  | B     | O   | External bus                                        |
| 64      | HOLD/CLK7/P5_5                                                           | DBG_EPM                   | I     | I   | E8a                                                 |
| 65      | HLDA/CS1/TXD7/P5_4                                                       | NC                        |       |     | Unconnected (impossible of I/O port use)            |
| 66      | D27/OUTC2_3/P13_3                                                        | MT_N_SB                   | O     | O   | Mute SB/BA (Pre-out/Main amp input)                 |
| 67      | VSS                                                                      | VSS                       |       |     | ---                                                 |
| 68      | D26/OUTC2_6/P13_2                                                        | MT_DA                     | O     | O   | Mute digital audio                                  |
| 69      | VCC                                                                      | VCC                       |       |     | ---                                                 |
| 70      | D25/OUTC2_5/P13_1                                                        | MT_N_SW                   | O     | O   | Mute subwoofer (Pre-out)                            |
| 71      | D24/OUTC2_4/P13_0                                                        | MT_N_5CH                  | O     | O   | Mute 5ch (L, C, R, SRL, SRR pre-out/Main amp input) |
| 72      | CLKOUT/BCLK/R5_3                                                         | NC(BCLK)                  | B     | O   | External bus                                        |
| 73      | RD/P5_2                                                                  | MCBUS_N_RD                | B     | O   | External bus                                        |
| 74      | WR1/BC1/P5_1                                                             | NC(/BC1)                  | B     | O   | External bus                                        |
| 75      | WR0/WR/P5_0                                                              | MCBUS_N_WR/DBG_<br>N_CE   | B     | I   | External bus                                        |
| 76      | D23/P12_7                                                                | DSP_N_CS                  | O     | O   | DSP chip select                                     |
| 77      | D22/P12_6                                                                | DSP_N_SPIRDY/CDDA_<br>WCK | I     | O   | DSP SPI ready                                       |
| 78      | D21/P12_5                                                                | CDDA_DATA                 | I     | O   | CDDA rewriting data input                           |
| 79      | P19_3                                                                    | DK1_AP                    | I     | I   | iPod accessory power 1                              |
| 80      | P17_3                                                                    | CPNT_SEL                  | O     | O   | Component input select (open drain)                 |
| 81      | P17_2                                                                    | VID_SEL3                  | O     | O   | CVBS input select (open drain)                      |
| 82      | P17_1                                                                    | VID_SEL2                  | O     | O   | CVBS input select (open drain)                      |
| 83      | P17_0                                                                    | VID_SEL1                  | O     | O   | CVBS input select (open drain)                      |
| 84      | P19_2                                                                    | P19_2                     | O     | O   | Spare                                               |
| 85      | CS0/A23/TXD6/SDA6/SRXD6/<br>P4_7                                         | FLASH_N_CS                | B     | O   | External bus                                        |

| Pin No. | Port Name                                        | Function Name (P.C.B.) | I/O   |     | Detail of Function                       |
|---------|--------------------------------------------------|------------------------|-------|-----|------------------------------------------|
|         |                                                  |                        | POWER |     |                                          |
|         |                                                  |                        | ON    | OFF |                                          |
| 86      | CS1/A22/RXD6/SCL6/STXD6/P4_6                     | A[22]                  | B     | O   | External bus                             |
| 87      | CS2/A21/CLK6/P4_5                                | A[21]                  | B     | O   | External bus                             |
| 88      | CS3/A20/N_CTS6/N_RTS6/N_SS6/P4_4                 | A[20]                  | B     | O   | External bus                             |
| 89      | A19/TXD3/SDA3/SRXD3/OUTC2_0/ISTXD2/IEOUT/P4_3    | A[19]                  | B     | O   | External bus                             |
| 90      | P11_6                                            | VIDI2C_ON              | O     | O   | I2C line switch to video device          |
| 91      | A18/RXD3/SCL3/STXD3/ISRXD2/IEIN/P4_2             | A[18]                  | B     | O   | External bus                             |
| 92      | P11_5                                            | HTX_AUSEL              | O     | O   | HDMI TX sound select                     |
| 93      | A17/CLK3/P4_1                                    | A[17]                  | B     | O   | External bus                             |
| 94      | A16/N_CTS3/N_RTS3/N_SS3/P4_0                     | A[16]                  | B     | O   | External bus                             |
| 95      | P16_7/TXD10                                      | DK1_MOSI               | O     | O   | Dock1 transmission data (/Debug)         |
| 96      | P16_6/RXD10                                      | DK1_MISO               | I     | I   | Dock1 reception data (/Debug)            |
| 97      | P16_5/CLK10                                      | HTX_N_RST              | O     | O   | HDMI TX reset                            |
| 98      | P16_4/N_CTS10/N_RTS10                            | HRX_N_RST              | O     | O   | HDMI RX reset                            |
| 99      | A15/[A15/D15]/TA4IN/U/P3_7                       | A[15]                  | B     | O   | External bus                             |
| 100     | A14/[A14/D14]/TA4OUT/U/P3_6                      | A[14]                  | B     | O   | External bus                             |
| 101     | A13/[A13/D13]/TA2IN/W/P3_5                       | A[13]                  | B     | O   | External bus                             |
| 102     | A12/[A12/D12]/TA2OUT/W/P3_4                      | A[12]                  | B     | O   | External bus                             |
| 103     | P16_3/TXD9                                       | TXD9                   | O     | O   | Spare                                    |
| 104     | P16_2/RXD9                                       | RXD9                   | O     | O   | Spare                                    |
| 105     | P16_1/CLK9                                       | CLK9                   | O     | O   | Spare                                    |
| 106     | P16_0/N_CTS9/N_RTS9                              | HEQ_N_RST              | O     | O   | HDMI switcher reset                      |
| 107     | A11/[A11/D11]/TA1IN/V/P3_3                       | A[11]                  | B     | O   | External bus                             |
| 108     | A10/[A10/D10]/TA1OUT/V/P3_2                      | A[10]                  | B     | O   | External bus                             |
| 109     | A9/[A9/D9]/TA3OUT/UD0B/UD1B/P3_1                 | A[9]                   | B     | O   | External bus                             |
| 110     | D20/P12_4                                        | FPGA_N_CFG             | O     | O   | FPGA nCONF                               |
| 111     | D19/N_CTS6/N_RTS6/N_SS6/P12_3                    | FPGA_N_STA             | I     | I   | FPGA nSTATUS                             |
| 112     | D18/RXD6/SCL6/STXD6/P12_2                        | USB_SCL                | O     | O   | USB I2C clock                            |
| 113     | D17/CLK6/P12_1                                   | FPGA_CDONE             | I     | I   | FPGA config done                         |
| 114     | D16/TXD6/SDA6/SRXD6/P12_0                        | USB_SDA                | I/O   | O   | USB I2C data                             |
| 115     | VCC                                              | VCC                    |       |     | ---                                      |
| 116     | A8/[A8/D8]/TA0OUT/UD0A/UD1A/P3_0                 | A[8]                   | B     | O   | External bus                             |
| 117     | VSS                                              | VSS                    |       |     | ---                                      |
| 118     | A7/[A7/D7]/AN2_7/P2_7/TXD10                      | A[7]                   | B     | O   | External bus                             |
| 119     | A6/[A6/D6]/AN2_6/P2_6/RXD10                      | A[6]                   | B     | O   | External bus                             |
| 120     | A5/[A5/D5]/AN2_5/P2_5/CLK10                      | A[5]                   | B     | O   | External bus                             |
| 121     | A4/[A4/D4]/AN2_4/P2_4/N_CTS10/N_RTS10            | A[4]                   | B     | O   | External bus                             |
| 122     | A3/[A3/D3]/AN2_3/P2_3/TXD9                       | A[3]                   | B     | O   | External bus                             |
| 123     | A2/[A2/D2]/AN2_2/P2_2/RXD9                       | A[2]                   | B     | O   | External bus                             |
| 124     | A1/[A1/D1]/BC2/[BC2/D1]/AN2_1/P2_1/CLK9          | A[1]                   | B     | O   | External bus                             |
| 125     | A0/[A0/D0]/BC0/[BC0/D0]/AN2_0/P2_0/N_CTS9/N_RTS9 | NC                     |       |     | Unconnected (impossible of I/O port use) |
| 126     | D15/N_INT5/IIO0_7/IIO1_7/P1_7                    | D[15]                  | B     | I   | External bus                             |
| 127     | D14/N_INT4/IIO0_6/IIO1_6/P1_6                    | D[14]                  | B     | I   | External bus                             |
| 128     | D13/N_INT3/IIO0_5/IIO1_5/P1_5                    | D[13]                  | B     | I   | External bus                             |

| Pin No. | Port Name                               | Function Name (P.C.B.) | I/O   |     | Detail of Function               |
|---------|-----------------------------------------|------------------------|-------|-----|----------------------------------|
|         |                                         |                        | POWER |     |                                  |
|         |                                         |                        | ON    | OFF |                                  |
| 129     | D12/IIO0_4/IIO1_4/P1_4                  | D[12]                  | B     | I   | External bus                     |
| 130     | D11/IIO0_3/IIO1_3/P1_3                  | D[11]                  | B     | I   | External bus                     |
| 131     | D10/IIO0_2/IIO1_2/P1_2                  | D[10]                  | B     | I   | External bus                     |
| 132     | D9/IIO0_1/IIO1_1/P1_1                   | D[9]                   | B     | I   | External bus                     |
| 133     | IIO0_0/IIO1_0/D8/P1_0                   | D[8]                   | B     | I   | External bus                     |
| 134     | AN0_7/D7/P0_7                           | D[7]                   | B     | I   | External bus                     |
| 135     | AN0_6/D6/P0_6                           | D[6]                   | B     | I   | External bus                     |
| 136     | AN0_5/D5/P0_5                           | D[5]                   | B     | I   | External bus                     |
| 137     | AN0_4/D4/P0_4                           | D[4]                   | B     | I   | External bus                     |
| 138     | P19_1                                   | SV_DET                 | I     | I   | S-video detect                   |
| 139     | WR3/BC3/P11_4                           | EEP_N_CS               | O     | O   | EEPROM chip select               |
| 140     | P19_0                                   | HP_N_DET               | I     | O   | Headphone detection              |
| 141     | IIO1_3/N_RTS8/N_CTS8/WR2/CS3/P11_3      | FPGA_N_CS              | B     | O   | External bus                     |
| 142     | IIO1_2/RXD8/CS2/P11_2                   | EEP_MISO               | I     | O   | EEPROM reception data            |
| 143     | IIO1_1/CLK8/CS1/P11_1                   | EX_CLK                 | O     | O   | FLD/EEPROM communication clock   |
| 144     | IIO1_0/TXD8/CS0/P11_0                   | EX_MOSI                | O     | O   | FLD/EEPROM transmission data     |
| 145     | P18_7                                   | (no use)               | O     | O   | Unconnected                      |
| 146     | P18_6                                   | VDEC_N_RST             | O     | O   | Video decoder reset              |
| 147     | P18_5                                   | (no use)               | O     | O   | Unconnected                      |
| 148     | P18_4                                   | DAC_N_CS               | O     | O   | DAC chip select                  |
| 149     | P18_3                                   | DIR_N_CS               | O     | O   | DIR chip select                  |
| 150     | P18_2                                   | F_HEQ_CE               | O     | O   | Front HDMI EQ chip enable        |
| 151     | AN0_3/D3/P0_3                           | D[3]                   | B     | I   | External bus                     |
| 152     | AN0_2/D2/P0_2                           | D[2]                   | B     | I   | External bus                     |
| 153     | AN0_1/D1/P0_1                           | D[1]                   | B     | I   | External bus                     |
| 154     | AN0_0/D0/P0_0                           | D[0]                   | B     | I   | External bus                     |
| 155     | IIO0_7/N_RTS6/N_CTS6/N_SS6/AN15_7/P15_7 | PS1_PRT                | I     | I   | Power supply protection 1        |
| 156     | IIO0_6/CLK6/AN15_6/P15_6                | PS2_PRT                | I     | I   | Power supply protection 2        |
| 157     | IIO0_5/RXD6/SCL6/STXD6/AN15_5/P15_5     | DOCK1_ID               | I     | I   | Dock1 ID detection               |
| 158     | IIO0_4/TXD6/SDA6/SRXD6/AN15_4/P15_4     | THM2                   | I     | O   | Temperature detection 2          |
| 159     | IIO0_3/N_RTS7/N_CTS7/AN15_3/P15_3       | THM1                   | I     | O   | Temperature detection 1          |
| 160     | IIO0_2/RXD7/AN15_2/P15_2                | DSP_MISO               | I     | I   | DSP/DIR/DAC reception data       |
| 161     | IIO0_1/CLK7/AN15_1/P15_1                | DSP_CLK                | O     | O   | DSP/DIR/DAC communication clock  |
| 162     | VSS                                     | VSS                    |       |     | ---                              |
| 163     | IIO0_0/TXD7/AN15_0/P15_0                | DSP_MOSI               | O     | O   | DSP/DIR/DAC transmission data    |
| 164     | VCC                                     | VCC                    |       |     | ---                              |
| 165     | KI3/AN_7/P10_7                          | AMP_OLV                | I     | I   | Amplifier output level detection |
| 166     | KI2/AN_6/P10_6                          | DC_PRT                 | I     | I   | DC protection                    |
| 167     | KI1/AN_5/P10_5                          | L3_DET                 | I     | I   | D terminal L3 detection          |
| 168     | KI0/AN_4/P10_4                          | DEST                   | I     | O   | Destination discrimination       |
| 169     | AN_3/P10_3                              | MODEL                  | I     | O   | Model discriminate               |
| 170     | AN_2/P10_2                              | KY_AD2                 | I     | O   | Key 2                            |
| 171     | AN_1/P10_1                              | KY_AD1                 | I     | O   | Key 1                            |
| 172     | AVSS                                    | AVSS                   |       |     | ---                              |
| 173     | AN_0/P10_0                              | TU_N_RST               | O     | O   | Tuner reset                      |
| 174     | VREF                                    | VREF                   |       |     | ---                              |
| 175     | AVCC                                    | AVCC                   |       |     | ---                              |
| 176     | STXD4/SCL4/RXD4/ADTRG/P9_7              | TU_SCL                 | O     | O   | Tuner I2C clock                  |

## Key detection for A/D port

Key input (A/D) pull-up resistance 10 k-ohms

| Ohm                      | 0                 | + 1.0 k        | + 1.0 k        | + 1.5 k            | + 1.5 k     | + 2.2 k     | + 3.3 k     | + 4.7 k     | 22.0 k      | 33.0 k          |
|--------------------------|-------------------|----------------|----------------|--------------------|-------------|-------------|-------------|-------------|-------------|-----------------|
| V                        | 0 – 0.15          | 0.15 – 0.42    | 0.43 – 0.70    | 0.71 – 0.97        | 0.98 – 1.24 | 1.25 – 1.53 | 1.54 – 1.84 | 1.85 – 2.22 | 2.23 – 2.62 | 2.63 – 3.04     |
| A/D value<br>(3.3 V=255) | 0 – 11            | 12 – 32        | 33 – 54        | 55 – 75            | 76 – 96     | 97 – 119    | 120 – 142   | 143 – 163   | 182 – 197   | 198 – 209       |
| KEY1<br>(171 pin)        | RADIO<br>(SCENE4) | CD<br>(SCENE3) | TV<br>(SCENE2) | BD/DVD<br>(SCENE1) | –           | –           | INPUT<br>>  | INPUT<br><  | ⏻ (Power)   | TONE<br>CONTROL |

| Ohm                      | 0        | + 1.0 k      | + 1.0 k      | + 1.5 k     | + 1.8 k     | + 2.2 k     | + 3.3 k     | + 4.7 k     | + 6.8 k     | + 10.0 k    | + 22.0 k     | + 68.0 k     |
|--------------------------|----------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| V                        | 0 – 0.15 | 0.16 – 0.42  | 0.43–0.70    | 0.71 – 0.99 | 1.00 – 1.27 | 1.28 – 1.56 | 1.57 – 1.86 | 1.87 – 2.14 | 2.15 – 2.39 | 2.40 – 2.65 | 2.66 – 2.91  | 2.92 – 3.17  |
| A/D value<br>(3.3 V=255) | 0 – 11   | 12 – 32      | 33 – 54      | 55 – 77     | 78 – 99     | 100 – 121   | 122 – 144   | 145 – 166   | 167 – 186   | 187 – 205   | 206 – 226    | 227 – 246    |
| KEY2<br>(170 pin)        | DIRECT   | TUNING<br>>> | TUNING<br><< | AM          | FM          | PRESET<br>> | PRESET<br>< | MEMORY      | INFO        | STRAIGHT    | PROGRAM<br>> | PROGRAM<br>< |

## Destination detection for AD port

Pull-up resistance 10 k-ohms

| Ohm                      | 0        | 1.2 k       | 4.7 k       | 6.8 k       | 10.0 k      | 15.0 k      | 47.0 k      | 100.0 k     |
|--------------------------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| V                        | 0 – 0.16 | 0.17 – 0.68 | 0.69 – 1.19 | 1.20 – 1.49 | 1.50 – 1.81 | 1.82 – 2.35 | 2.36 – 2.86 | 2.87 – 3.15 |
| A/D value<br>(3.3 V=255) | 0 – 12   | 13 – 53     | 54 – 92     | 93 – 115    | 116 – 140   | 141 – 182   | 183 – 221   | 222 – 244   |
| Destination<br>(168 pin) | J        | U, C        | R           | T           | K           | A           | B, G, F     | L           |

## Model detection for A/D port

Model input (A/D) pull-up resistance 10 k-ohms

|                          |             |             |
|--------------------------|-------------|-------------|
| R200                     | 10.0 k      | 10.0 k      |
| R201                     | 2.2 k       | 3.3 k       |
| V                        | 0.44 – 0.75 | 0.76 – 1.05 |
| A/D value<br>(3.3 V=255) | 34 – 58     | 59 – 81     |
| Model name<br>(169 pin)  | RX-V571     | HTR-5064    |

## DOCK detection for AD port

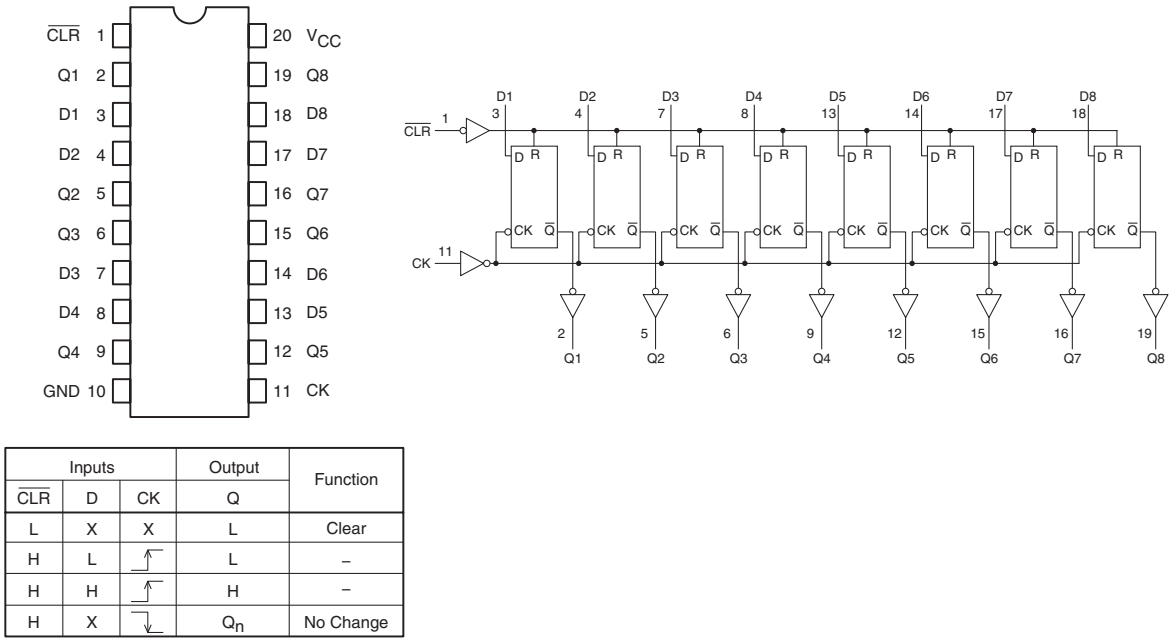
Pull-up resistance 10 k-ohms

| DOCK type<br>(DKID 157 pin) | Bluetooth<br>(YBA-10) | Wireless iPod<br>(YID-W10) | iPod               |              | No connected |
|-----------------------------|-----------------------|----------------------------|--------------------|--------------|--------------|
|                             |                       |                            | (YDS-10/11/12(B*)) | (YDS-12(A*)) |              |
| A/D value<br>(3.3 V=255)    | 5 – 25                | 85 – 100                   | 120 – 140          | 150 – 170    | 255          |

\* Mode switch setting of the YDS-12  
YDS-12 のモードスイッチ設定

• Microprocessor extended port

IC51, 53: TC74VHC273FT (DIGITAL P.C.B.)  
Octal D-type flip-flop with clear



IC51

| Pin No. | R32C external bus data | Function Name | I/O                  |     | Detail of Function         |
|---------|------------------------|---------------|----------------------|-----|----------------------------|
|         |                        |               | Related power supply |     |                            |
|         |                        |               | ON                   | OFF |                            |
| 2       | D8                     | USB_N_CS      | O                    | O   | USB chip select            |
| 5       | D9                     | USB_N_RST     | O                    | O   | USB reset                  |
| 6       | D10                    | APL_N_RST     | O                    | O   | Apple reset                |
| 9       | D11                    | APL_N_CS      | O                    | O   | Apple chip select          |
| 12      | D12                    | (no_use)      | O                    | O   | Unconnected                |
| 15      | D13                    | DK2_PON       | O                    | O   | No used                    |
| 16      | D14                    | VDEC_PON      | O                    | O   | No used                    |
| 19      | D15                    | VID_PON       | O                    | O   | Video power supply control |

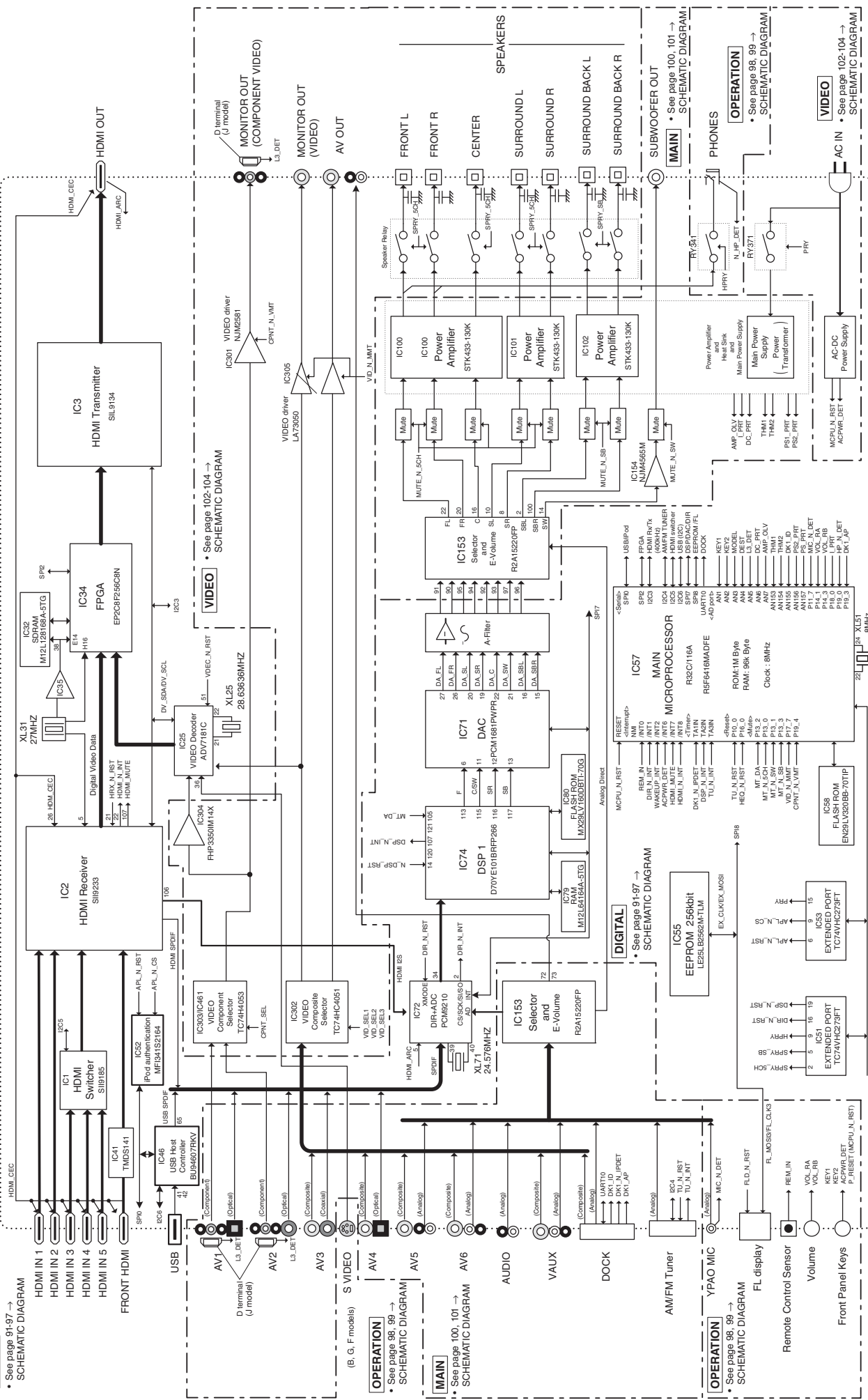
IC53

| Pin No. | R32C external bus data | Function Name | I/O                  |     | Detail of Function                      |
|---------|------------------------|---------------|----------------------|-----|-----------------------------------------|
|         |                        |               | Related power supply |     |                                         |
|         |                        |               | ON                   | OFF |                                         |
| 2       | D0                     | SPRY_5CH      | O                    | O   | SP relay 5ch (L, C, R, SRL, SRR)        |
| 5       | D1                     | SPRY_SB&BA    | O                    | O   | SP relay surround back and Bi-Amp       |
| 6       | D2                     | (no_use)      | O                    | O   | Unconnected                             |
| 9       | D3                     | HPRY          | O                    | O   | HP relay                                |
| 12      | D4                     | TRANS_RY      | O                    | O   | SP impedance switch (±B voltage switch) |
| 15      | D5                     | PRY           | O                    | O   | Power relay                             |
| 16      | D6                     | DIR_N_RST     | O                    | O   | DIR reset                               |
| 19      | D7                     | DSP_N_RST     | O                    | O   | DSP reset                               |

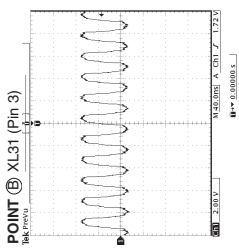
# ■ BLOCK DIAGRAM

## DIGITAL

• See page 91-97 →  
SCHEMATIC DIAGRAM



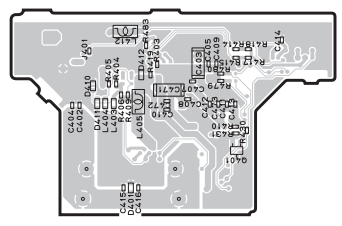




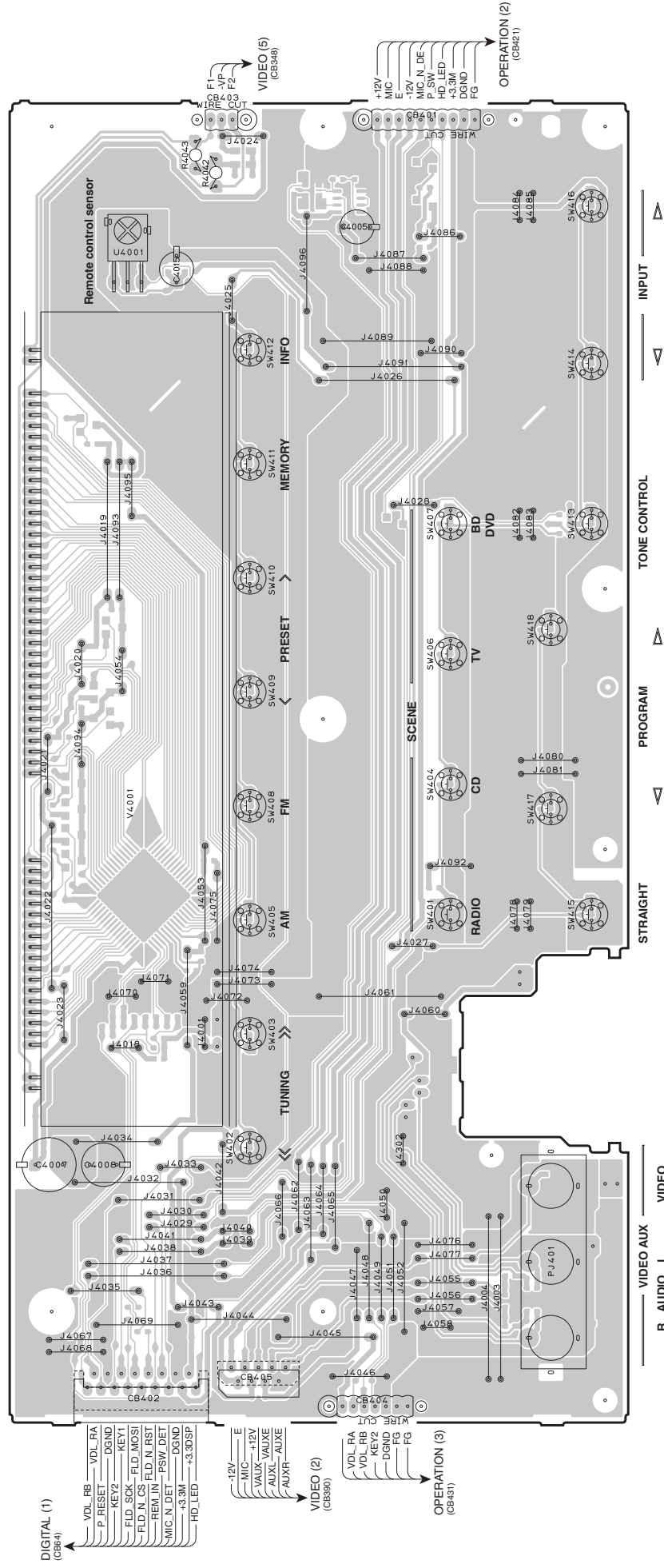
• Semiconductor Location

| Ref no. | Location | Ref no. | Location |
|---------|----------|---------|----------|
| D104    | C2       | IC76    | B3       |
| D401    | H6       | IC77    | C5       |
| D410    | I6       | IC78    | B3       |
| D411    | I6       | IC79    | C4       |
| D412    | I6       | Q101    | G2       |
| IC4     | D3       | Q103    | F3       |
| IC5     | D3       | Q105    | F2       |
| IC35    | D4       | Q107    | E2       |
| IC48    | F3       | Q109    | D2       |
| IC53    | E5       | Q401    | H7       |
| IC55    | D5       | Q513    | C5       |
| IC60    | D5       | Q702    | E3       |
| IC61    | D6       | Q855    | C3       |
| IC62    | B6       | Q856    | C3       |
| IC64    | D5       |         |          |

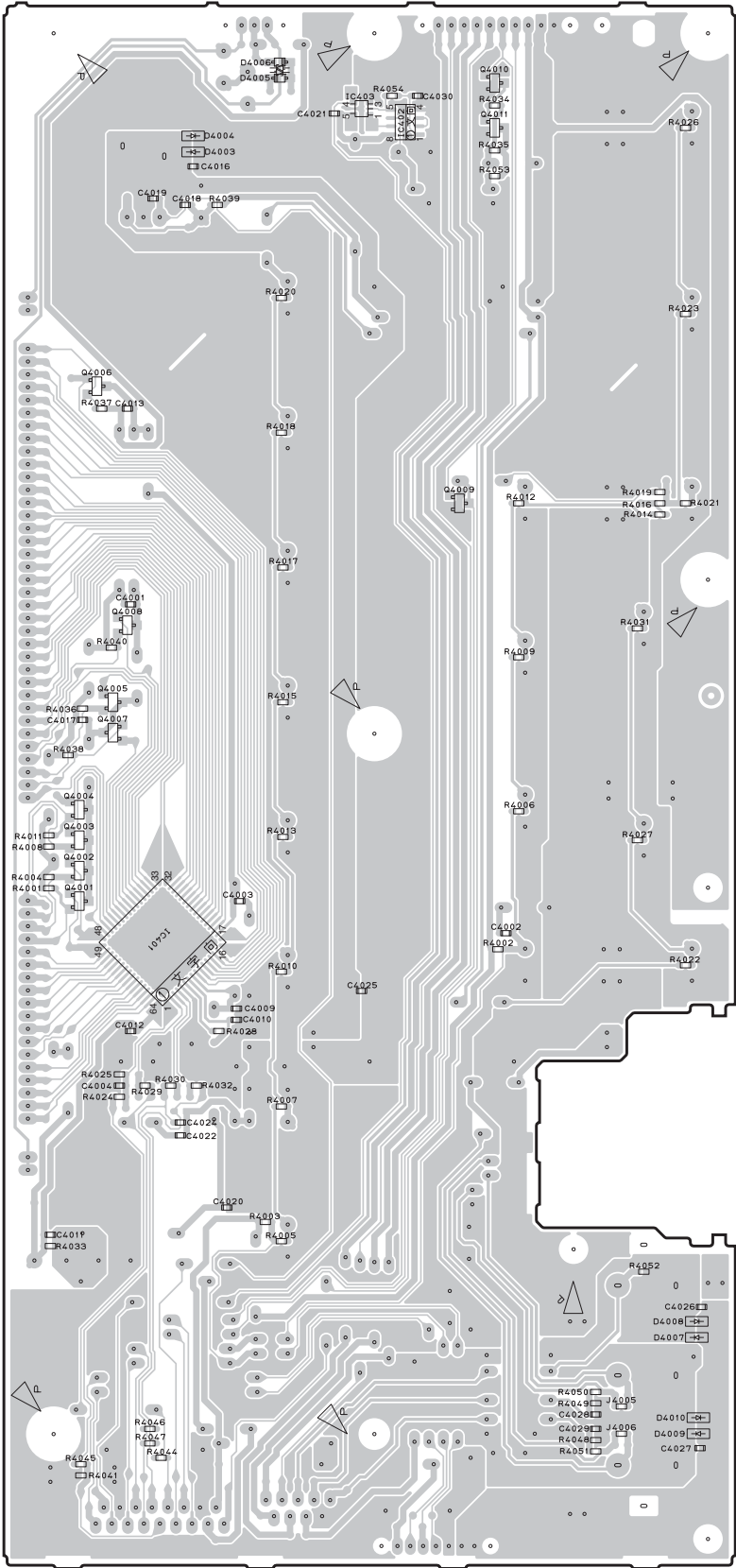
DIGITAL (2) (Side B)



**OPERATION (1)** (Side A)



OPERATION (1) (Side B)



• Semiconductor Location

| Ref no. | Location | Ref no. | Location | Ref no. | Location |
|---------|----------|---------|----------|---------|----------|
| D4003   | H3       | IC401   | E3       | Q4005   | F2       |
| D4004   | I3       | IC402   | I4       | Q4006   | G2       |
| D4005   | I3       | IC403   | I4       | Q4007   | F2       |
| D4006   | I3       | Q4001   | E2       | Q4008   | F3       |
| D4007   | B5       | Q4002   | E2       | Q4009   | G4       |
| D4008   | C5       | Q4003   | E2       | Q4010   | I4       |
| D4009   | B5       | Q4004   | E2       | Q4011   | I4       |
| D4010   | B5       |         |          |         |          |

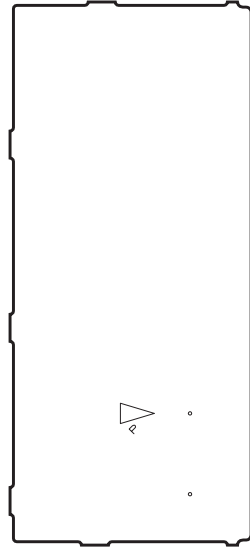




1

OPERATION (7) (Side A)

2

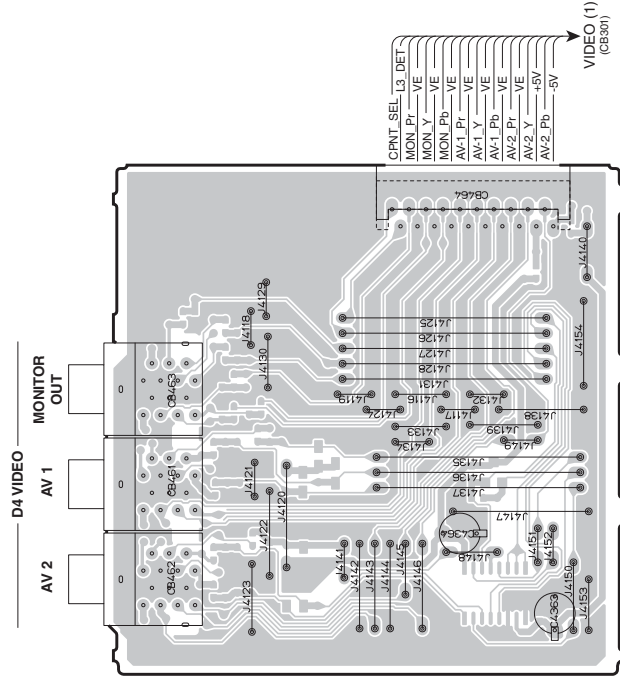


3

4

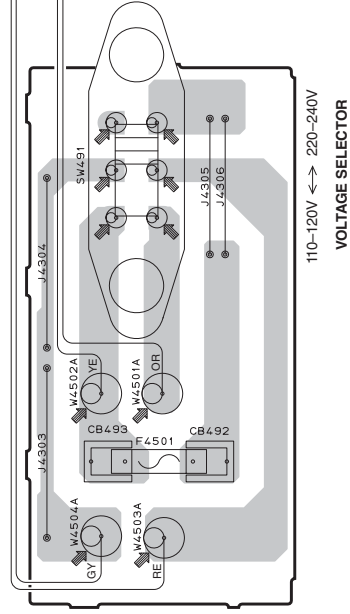
OPERATION (8) (Side A)

J model



OPERATION (10) (Side A)

R model

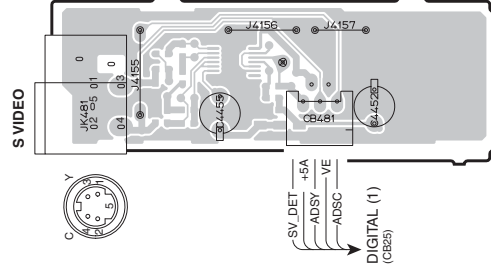


110-120V ↔ 220-240V  
VOLTAGE SELECTOR

OPERATION (9)

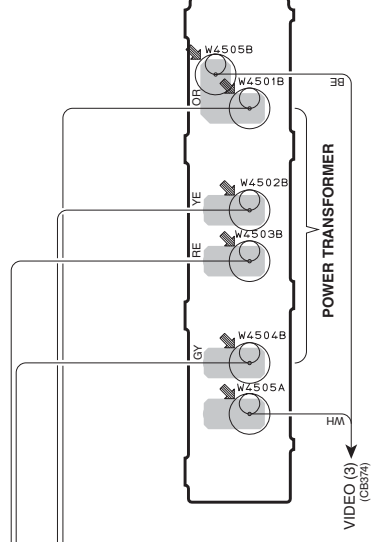
(Side A)

B, G, F models



OPERATION (11) (Side A)

R model



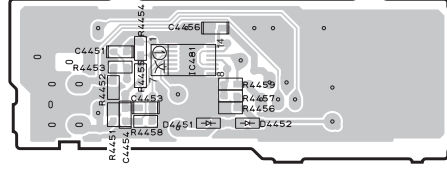
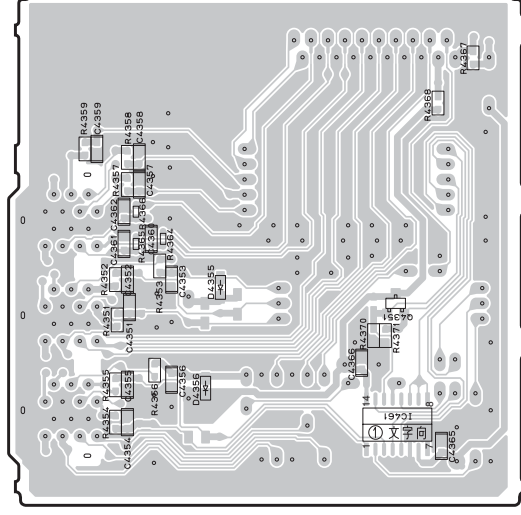
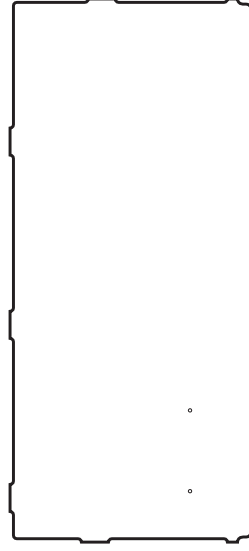
## OPERATION (7)

## OPERATION (8)

## OPERATION (9)

J model

B, G, F models



**OPERATION (10)**

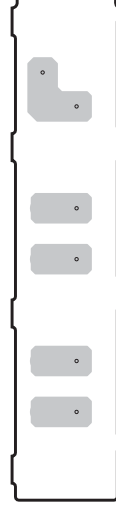
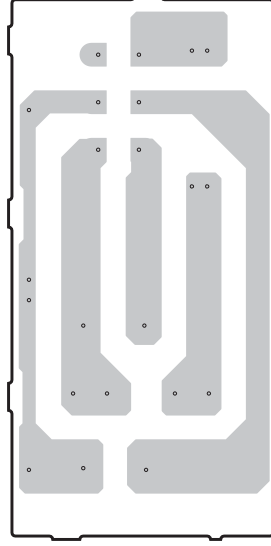
R model

## OPERATION (11)

R model

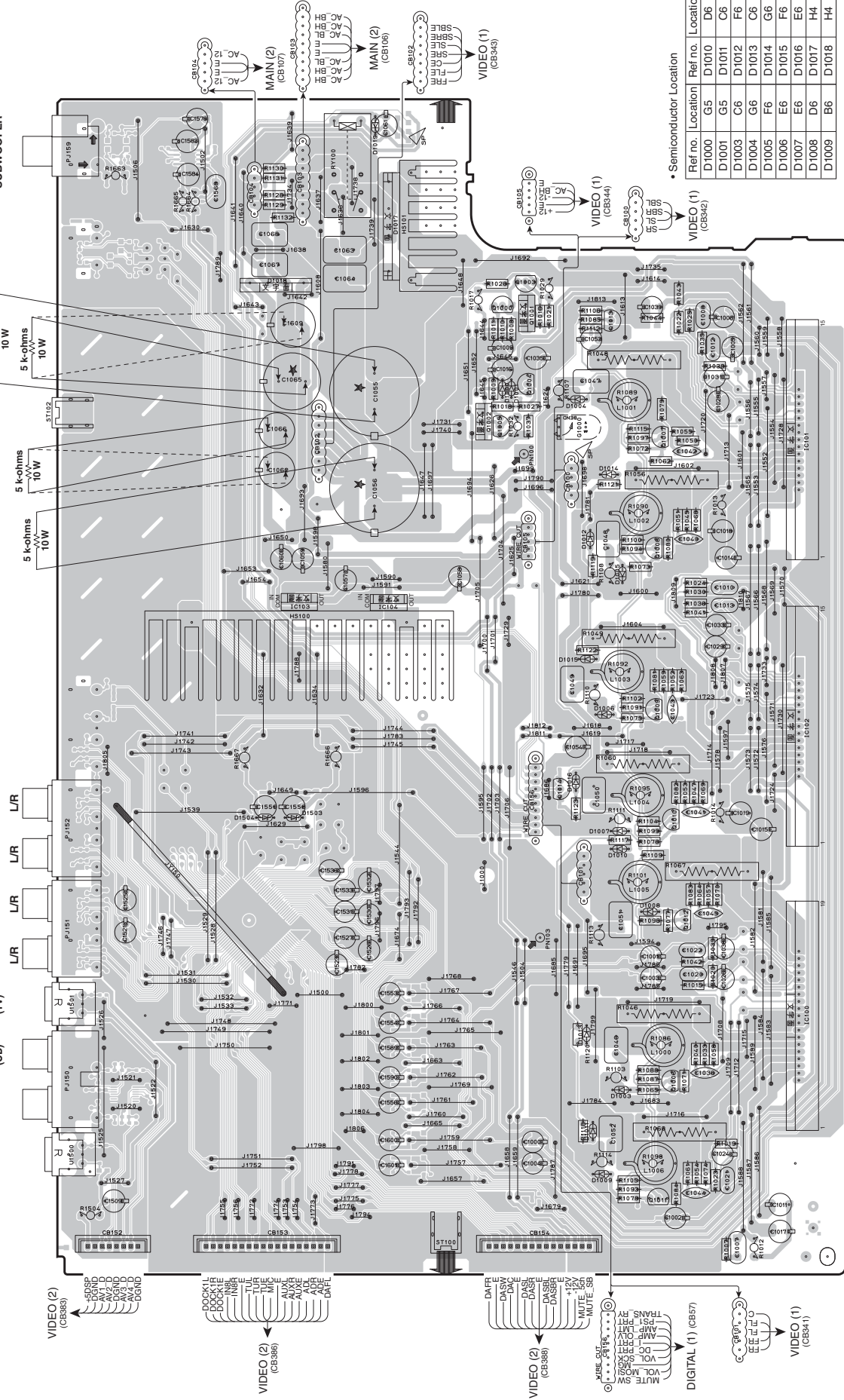
- Semiconductor Location

| Ref no. | Location |
|---------|----------|
| D4355   | F3       |
| D4356   | E3       |
| D4451   | I3       |
| D4452   | I3       |
| IC461   | E4       |
| IC481   | I3       |
| Q4351   | F4       |



## MAIN (1) (Side A)

— AV1 — AV2 — AV3 — AV4 — AV5 — AV6 — AV — AUDIO —  
OPTICAL COAXIAL COAXIAL OPTICAL  
(CD) (TV) OUT



## 注意)

## 安全対策

- Some internal parts in this product contain high voltages and are dangerous. Be sure to take safety measures during servicing, such as wearing insulating gloves.
- After repairing, make sure the power is turned off because an electric charge remains and a high voltage continues to exist there.

Before starting any repair work, connect a discharging resistor (5 k-ohms/10 W) to the terminals of each capacitor indicated below to discharge electricity.

The time required for discharging is about 30 seconds per each.  
C1055, C1056, C1082, C1085, C1086, C1089 on MAIN (1) PC B.

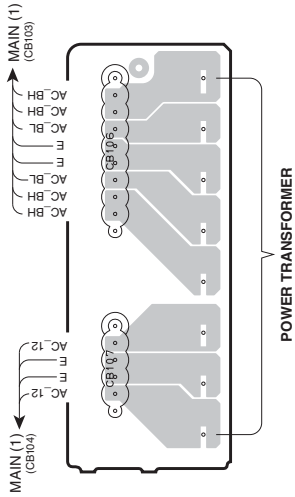
- Some of the components in this product are hazardous. The repair manual is a safety manual. Please read it carefully before servicing. The repair manual is a safety manual. Please read it carefully before servicing.
- After repairing, make sure the power is turned off because an electric charge remains and a high voltage continues to exist there.

MAIN (1) P.C.B. of C1055, C1056, C1082, C1085, C1086, C1089

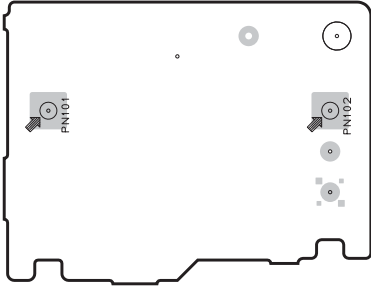
| Ref. no. | Location | Ref. no. | Location | Ref. no. | Location |
|----------|----------|----------|----------|----------|----------|
| D1019    | I4       | D1000    | G5       | D1001    | G6       |
| D1503    | E4       | D1001    | G5       | D1001    | G6       |
| D1504    | E4       | D1001    | G5       | D1001    | G6       |
| IC100    | C7       | D1001    | G5       | D1001    | G6       |
| IC101    | G7       | D1001    | G5       | D1001    | G6       |
| IC102    | E7       | D1001    | G5       | D1001    | G6       |
| IC103    | F4       | D1001    | G5       | D1001    | G6       |
| IC104    | F4       | D1001    | G5       | D1001    | G6       |
| Q1000    | H5       | D1001    | G5       | D1001    | G6       |
| Q1001    | H5       | D1001    | G5       | D1001    | G6       |
| Q1002    | G5       | D1001    | G5       | D1001    | G6       |
| Q1003    | H5       | D1001    | G5       | D1001    | G6       |
| Q1004    | G5       | D1001    | G5       | D1001    | G6       |
| Q1005    | G5       | D1001    | G5       | D1001    | G6       |
| Q1006    | C6       | D1001    | G5       | D1001    | G6       |
| Q1007    | G6       | D1001    | G5       | D1001    | G6       |
| Q1008    | F6       | D1001    | G5       | D1001    | G6       |
| Q1009    | E6       | D1001    | G5       | D1001    | G6       |
| Q1010    | E6       | D1001    | G5       | D1001    | G6       |
| Q1011    | B6       | D1001    | G5       | D1001    | G6       |
| Q1012    | D6       | D1001    | G5       | D1001    | G6       |
| Q1013    | H6       | D1001    | G5       | D1001    | G6       |
| Q1014    | E5       | D1001    | G5       | D1001    | G6       |



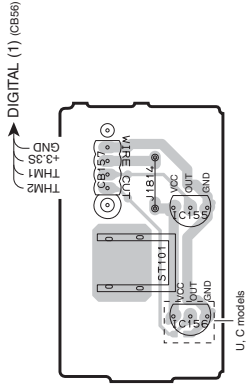
MAIN (2) (Side A)



MAIN (3) (Side A)



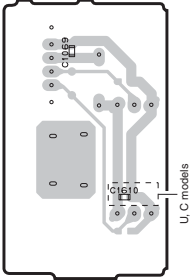
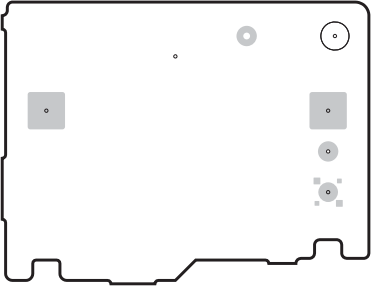
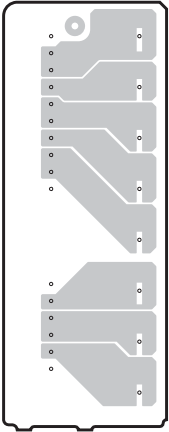
MAIN (4) (Side A)



• Semiconductor Location

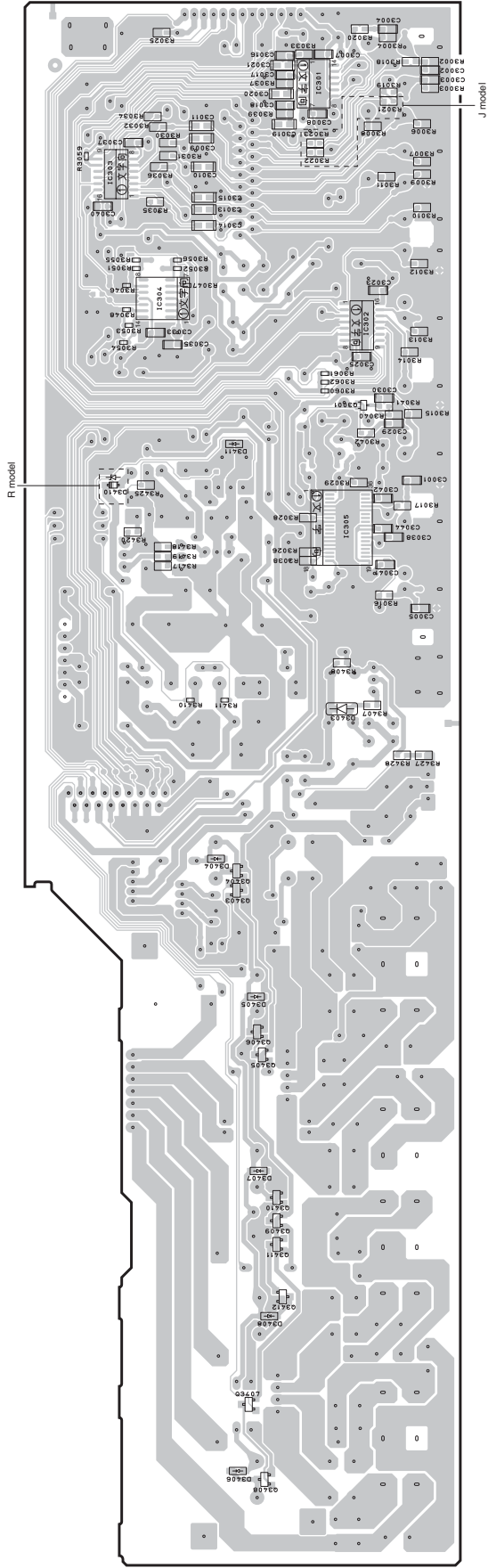
| Ref no. | Location |
|---------|----------|
| IC155   | H3       |
| IC156   | H3       |

|   | A                 | B | C | D | E | F | G | H | I | J |
|---|-------------------|---|---|---|---|---|---|---|---|---|
|   | RX-V571/HTR-5064  |   |   |   |   |   |   |   |   |   |
| 1 |                   |   |   |   |   |   |   |   |   |   |
|   | MAIN (2) (Side B) |   |   |   |   |   |   |   |   |   |
| 2 |                   |   |   |   |   |   |   |   |   |   |
|   | MAIN (3) (Side B) |   |   |   |   |   |   |   |   |   |
| 3 |                   |   |   |   |   |   |   |   |   |   |
|   | MAIN (4) (Side B) |   |   |   |   |   |   |   |   |   |
| 4 |                   |   |   |   |   |   |   |   |   |   |
| 5 |                   |   |   |   |   |   |   |   |   |   |
| 6 |                   |   |   |   |   |   |   |   |   |   |
| 7 |                   |   |   |   |   |   |   |   |   |   |





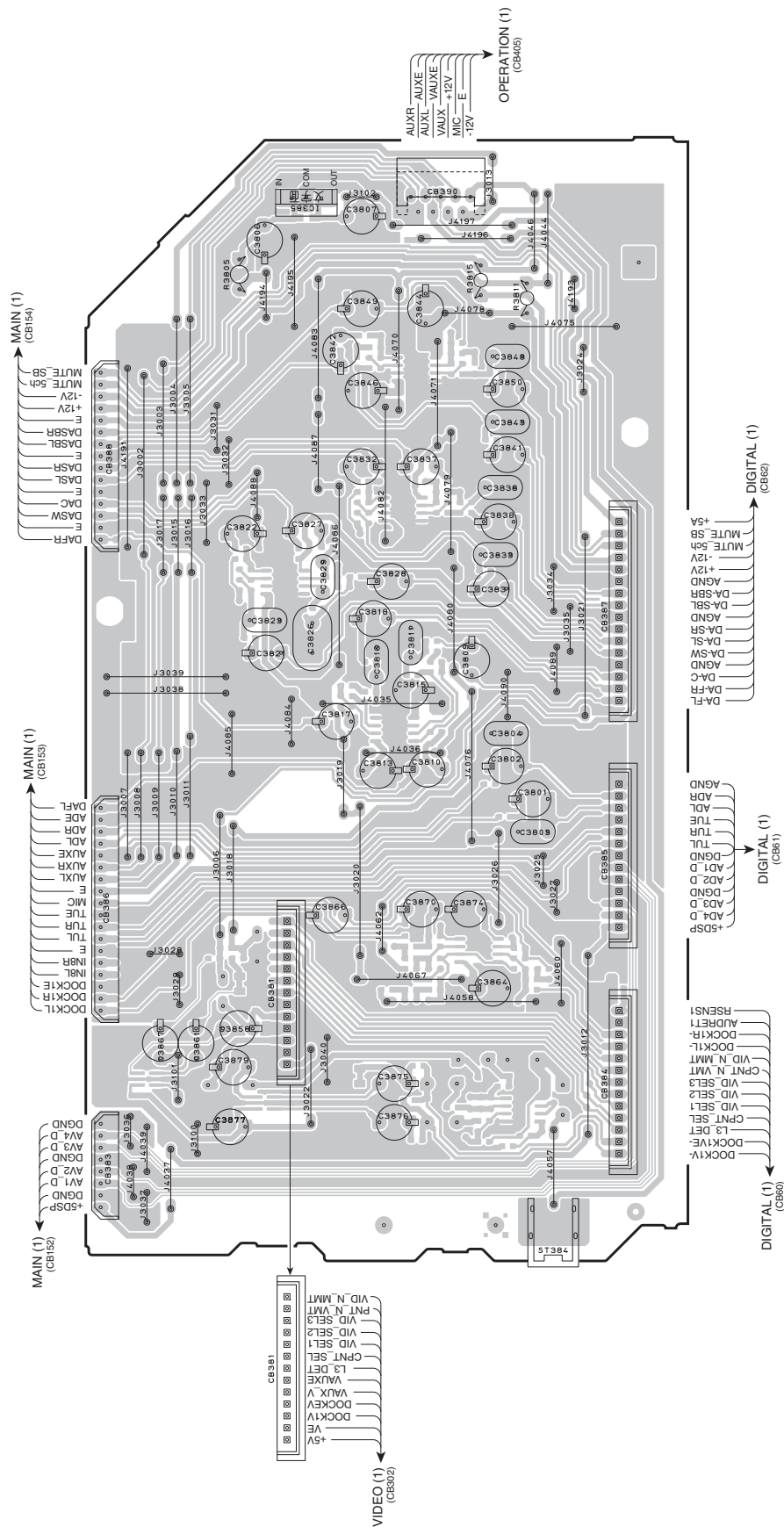
VIDEO (1) (Side B)



• Semiconductor Location

| Ref no. | Location | Ref no. | Location |
|---------|----------|---------|----------|
| D3403   | F4       | IC305   | G4       |
| D3404   | E3       | Q3001   | H4       |
| D3405   | D4       | Q3403   | E4       |
| D3406   | B4       | Q3404   | E4       |
| D3407   | C4       | Q3405   | D4       |
| D3408   | C4       | Q3406   | D4       |
| D3410   | G3       | Q3407   | B4       |
| D3411   | G4       | Q3408   | B4       |
| IC301   | I4       | Q3409   | C4       |
| IC302   | H4       | Q3410   | C4       |
| IC303   | I3       | Q3411   | C4       |
| IC304   | H3       | Q3412   | C4       |

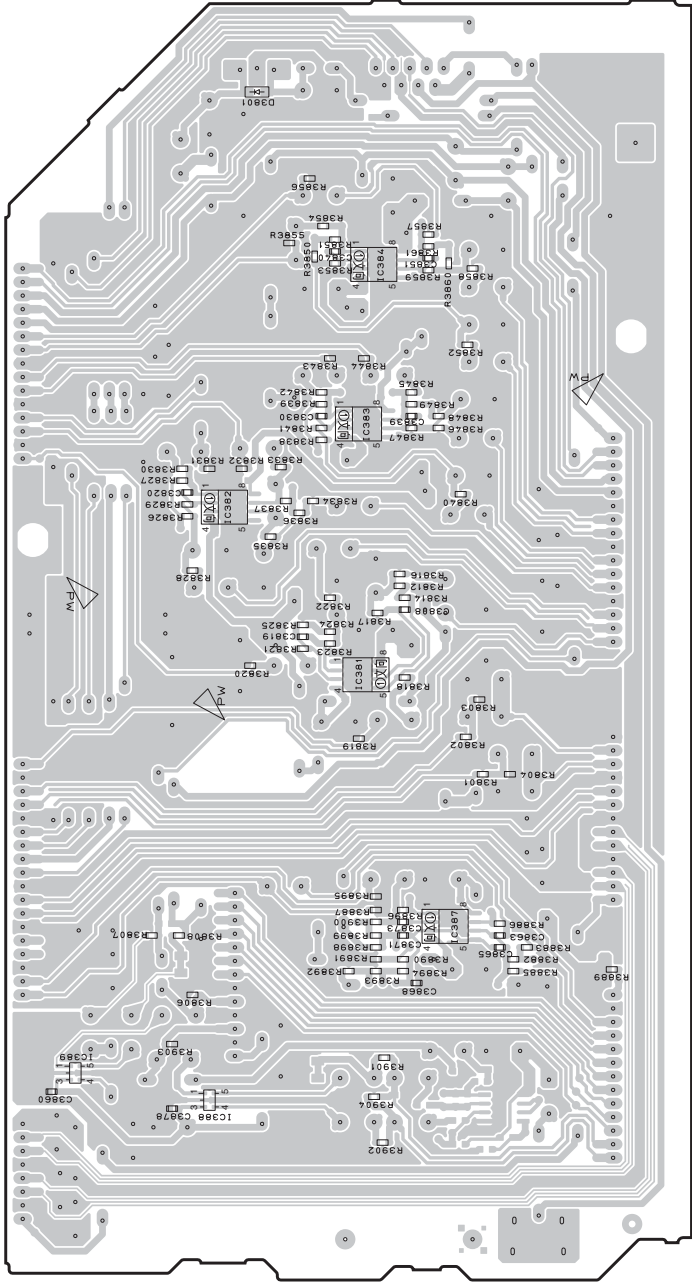
(Side A)



- Semiconductor Location

| Ref no. | Location |
|---------|----------|
| IC385   | H3       |

VIDEO (2) (Side B)



• Semiconductor Location

| Ref no. | Location |
|---------|----------|
| D3801   | H3       |
| IC381   | E4       |
| IC382   | F3       |
| IC383   | F4       |
| IC384   | G4       |
| IC387   | D4       |
| IC388   | C3       |
| IC389   | C3       |

## 88



■ PIN CONNECTION DIAGRAMS

• ICs

|                   |                                                       |                 |                               |            |  |  |  |
|-------------------|-------------------------------------------------------|-----------------|-------------------------------|------------|--|--|--|
| AD71181CBSTZ      | BD8329AEF-E2                                          | BU94607KV       | D70XE101BRFP266<br>SH9233ACTU |            |  |  |  |
| EN29LV3208B-70TIP | EP20K10P50CN                                          | FHP3350M14X     | KIA7805API                    | KIA7912PI  |  |  |  |
| LA73050-TLM-E     | LE25LB2560M-TLM-E                                     | LW19C1ZLF       | M12L128168A-5TG2T             |            |  |  |  |
| M12L64164A-5TG    | M66003-0131FP-R                                       | MF1341S2164     | MIX29LV160DBT1-70G            | NUM2388F05 |  |  |  |
| NUM2581M          | NUM2581M                                              | NUM4563M (TE1)  | NUM7812FA                     | PCA8517DP  |  |  |  |
| NUM2581M          | NUM2581M                                              | NUM4563M (TE1)  | NUM7812FA                     | PCA8517DP  |  |  |  |
| PCMB210PTR        | R1172H121D-T1-F<br>R1172H501D-T1-F                    | R1172NS01D-TR-F | R2A15220FP                    |            |  |  |  |
| RF6416MADF        | RP130Q181D-TR-F<br>RP130Q331D-TR-F<br>RP130Q501D-TR-F | SI8134CTU       | SI8165ACTU                    |            |  |  |  |

• ICs

|                            |               |                                  |                  |                                      |              |              |
|----------------------------|---------------|----------------------------------|------------------|--------------------------------------|--------------|--------------|
| SN74LVC1G17DCKR            | STK433-130K-E | STK433-330K-E                    | STR2A152         | TC74HC4051AFEL                       | TC74HC4053AF | TC74LCX245FT |
|                            |               |                                  |                  |                                      |              |              |
| TC74VHC08FT<br>TC74VHC04FT | TC74VHC15FT   | TC74VHC273FT (ELK)               | TC74VHC36FT (EL) | TC7SH08FU<br>TC7SH38FU<br>TC7SH125FU | TC7W14F      | TC7WHU04FU   |
|                            |               |                                  |                  |                                      |              |              |
| TL431ACLPR                 | TMD5141RHAR   |                                  |                  |                                      |              |              |
|                            |               | 1: CATHODE<br>2: ANODE<br>3: REF |                  |                                      |              |              |

• Diodes

|                              |                |                |         |                   |                              |           |
|------------------------------|----------------|----------------|---------|-------------------|------------------------------|-----------|
| 1N4003S<br>1SS133<br>1SS270A | 1SS355         | D1FL20U-5063   | DBL155G | HZU4.3B3 THF-E    | MTZ16.8C                     | RB501V-40 |
|                              |                |                |         |                   |                              |           |
| RB215T-90                    | RLZ39.0D 39.0V | RS203M-B-C-J80 | SARS05  | TSPP03G 6.0A 200V | UDZ55.1B 5.1V<br>UDZ512B 12V |           |
|                              |                |                |         |                   |                              |           |

• Transistors

|                                           |                                     |                            |               |          |           |                                                                       |                                                                                                                |           |
|-------------------------------------------|-------------------------------------|----------------------------|---------------|----------|-----------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------|
| 2N5401C-AT/P<br>2SA1015-Y                 | 2N5551C-AT                          | 2SA1576A                   | 2SA1708       | 2SB1274  | 2SC1815 Y | 2SC2412K                                                              | 2SC4081 T106                                                                                                   | 2SD2704 K |
|                                           |                                     |                            |               |          |           |                                                                       |                                                                                                                |           |
| DTA044EUBTL<br>DTC014EUBTL<br>DTC044EUBTL | DTA114EKA<br>DTC114EKA<br>DTC144EKA | KRA104S-RTK<br>KRC102S-RTK | KTA104E-Y-U/P | KTC3875S | KTC3875S  | MCH6386-TL-E                                                          | μPA672T-T1-A                                                                                                   |           |
|                                           |                                     |                            |               |          |           |                                                                       |                                                                                                                |           |
| 1: IN<br>2: GND<br>3: OUT                 | 1: GND<br>2: OUT<br>3: OUT          | COMMON<br>IN<br>OUT        | B C E         | B C E    | B C E     | 1: Drain<br>2: Drain<br>3: Drain<br>4: Source<br>5: Drain<br>6: Drain | 1: Source 1 (S1)<br>2: Gate 1 (G1)<br>3: Drain 1 (D1)<br>4: Source 2 (S2)<br>5: Gate 2 (G2)<br>6: Drain 1 (D1) |           |

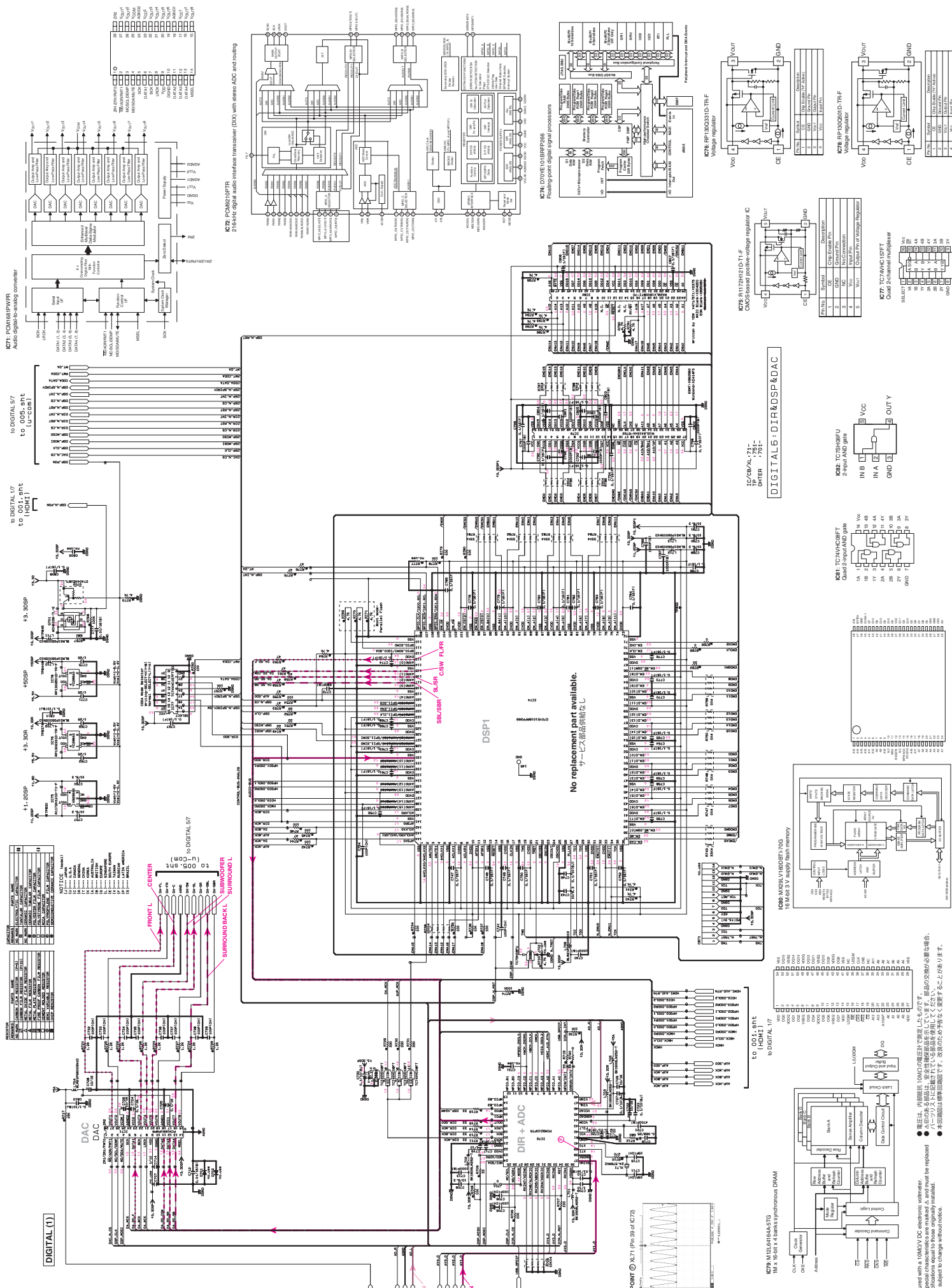












No replacement part available.  
サービス部品様へ  
No replacement part available.

DIGITAL 6: DIRNDSP&DAC

IC8: AD7745-1T, 7T-1  
CMOS-based positive-voltage regulator IC

IC76: RP130310-TF  
Voltage regulator

IC74: OPA1650  
Precision bipolar op amp

IC73: OPA1650  
Precision bipolar op amp

IC72: OPA1650  
Precision bipolar op amp

IC71: OPA1650  
Precision bipolar op amp

IC70: OPA1650  
Precision bipolar op amp

IC69: OPA1650  
Precision bipolar op amp

IC68: OPA1650  
Precision bipolar op amp

IC67: OPA1650  
Precision bipolar op amp

IC66: OPA1650  
Precision bipolar op amp

IC65: OPA1650  
Precision bipolar op amp

IC64: OPA1650  
Precision bipolar op amp

IC63: OPA1650  
Precision bipolar op amp

IC62: OPA1650  
Precision bipolar op amp

IC61: OPA1650  
Precision bipolar op amp

IC60: OPA1650  
Precision bipolar op amp

IC59: OPA1650  
Precision bipolar op amp

IC58: OPA1650  
Precision bipolar op amp

IC57: OPA1650  
Precision bipolar op amp

IC56: OPA1650  
Precision bipolar op amp

IC55: OPA1650  
Precision bipolar op amp

- All voltages are measured with a 100kV DC electronic voltmeter.
- ★ Components having special characteristics are marked ★, and must be replaced with components having the same characteristics as those originally installed.
- Symbols designating subject to change are marked with a star.

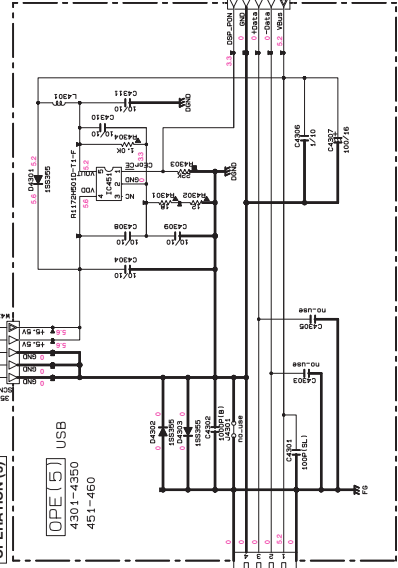


| RESISTOR | DATE    | NAME                            | DATE    | NAME                            |
|----------|---------|---------------------------------|---------|---------------------------------|
| NO MARK  | NO MARK | ELECTRICAL CAPACITOR            | NO MARK | ELECTRICAL CAPACITOR            |
| NO MARK  | NO MARK | TANTALUM CAPACITOR              | NO MARK | TANTALUM CAPACITOR              |
| NO MARK  | NO MARK | ALUMINUM ELECTROLYTIC CAPACITOR | NO MARK | ALUMINUM ELECTROLYTIC CAPACITOR |
| NO MARK  | NO MARK | CERAMIC CAPACITOR               | NO MARK | CERAMIC CAPACITOR               |
| NO MARK  | NO MARK | POLYESTER FILM CAPACITOR        | NO MARK | POLYESTER FILM CAPACITOR        |
| NO MARK  | NO MARK | POLYPROPYLENE FILM CAPACITOR    | NO MARK | POLYPROPYLENE FILM CAPACITOR    |
| NO MARK  | NO MARK | VARISTOR                        | NO MARK | VARISTOR                        |
| NO MARK  | NO MARK | DIODE                           | NO MARK | DIODE                           |
| NO MARK  | NO MARK | TRANSISTOR                      | NO MARK | TRANSISTOR                      |
| NO MARK  | NO MARK | IC                              | NO MARK | IC                              |
| NO MARK  | NO MARK | RELAY                           | NO MARK | RELAY                           |
| NO MARK  | NO MARK | CONNECTOR                       | NO MARK | CONNECTOR                       |
| NO MARK  | NO MARK | WIRE                            | NO MARK | WIRE                            |
| NO MARK  | NO MARK | OTHER                           | NO MARK | OTHER                           |

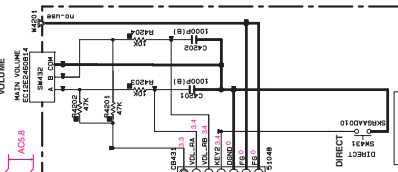
NOTICE (cont.)

- (J) JAPAN
- (C) CANADA
- (K) KOREA
- (A) AUSTRALIA
- (S) SOUTH AFRICA
- (T) TAIWAN
- (P) LATIN AMERICA
- (B) BRAZIL

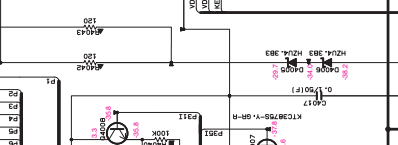
Page 94 [L2] to DIGITAL (1), CH45



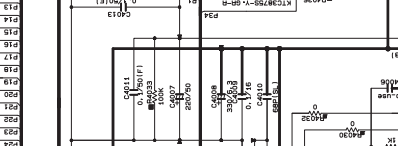
Page 103 [L3] to VIDEO (5), CH348



Page 104 [L4] to DIGITAL (1), CH348



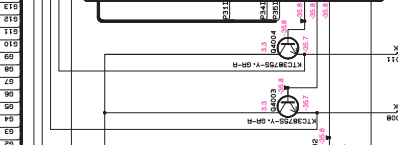
Page 105 [L5] to DIGITAL (1), CH348



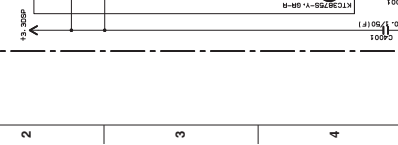
Page 106 [L6] to DIGITAL (1), CH348



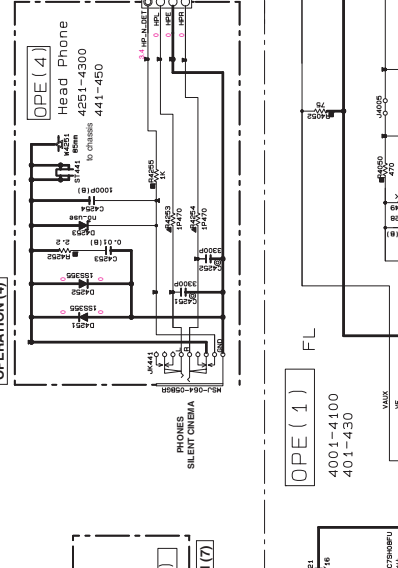
Page 107 [L7] to DIGITAL (1), CH348



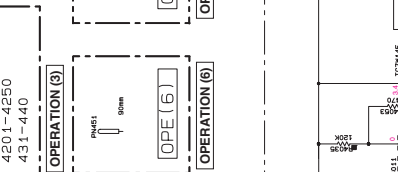
Page 108 [L8] to DIGITAL (1), CH348



Page 109 [L9] to DIGITAL (1), CH348



Page 110 [L10] to DIGITAL (1), CH348



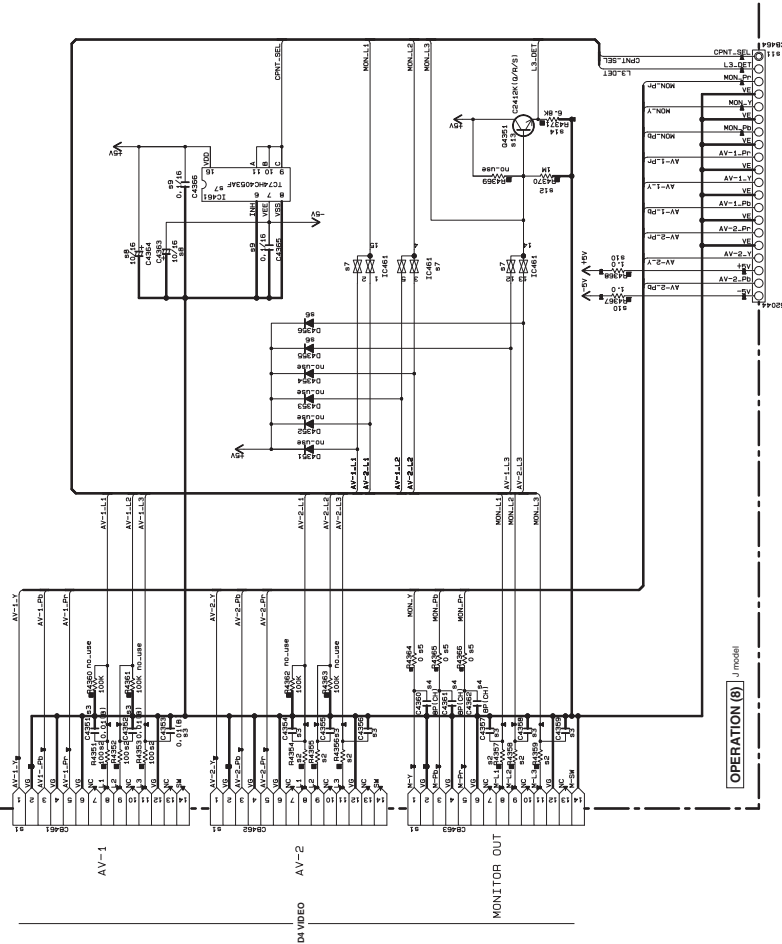
## OPERATION 2/2

OPF (8)

## D-TERMINAL

461-470  
4351-4400

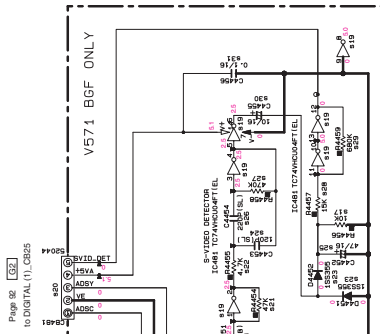
| LINE SELECTOR | COMP SELECTOR | OUT  |
|---------------|---------------|------|
|               | L             | AV-1 |
|               | H             | AV-2 |



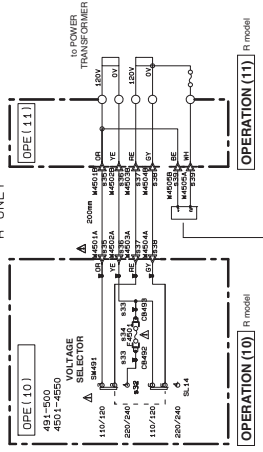
### OPERATION (8)

The schematic diagram illustrates the control logic for the S-VHS VCR. It features several key components:

- DPE(9)**: A central control IC with pins labeled S VIDEO, S-VIDEO, 481-490, 4451-4500, and others.
- S-VIDEO DETECTOR**: An IC that receives signals from the S-VIDEO input and provides feedback to the DPE(9).
- IC681 TC74VHC04PTEL**: Two inverters used for signal processing.
- IC682 TC74VHC04PTEL**: Another set of inverters.
- IC683 TC74VHC04PTEL**: A third set of inverters.
- IC684 TC74VHC04PTEL**: A fourth set of inverters.
- IC685 TC74VHC04PTEL**: A fifth set of inverters.
- IC686 TC74VHC04PTEL**: A sixth set of inverters.
- IC687 TC74VHC04PTEL**: A seventh set of inverters.
- IC688 TC74VHC04PTEL**: An eighth set of inverters.
- IC689 TC74VHC04PTEL**: A ninth set of inverters.
- IC690 TC74VHC04PTEL**: A tenth set of inverters.
- IC691 TC74VHC04PTEL**: An eleventh set of inverters.
- IC692 TC74VHC04PTEL**: A twelfth set of inverters.
- IC693 TC74VHC04PTEL**: A thirteenth set of inverters.
- IC694 TC74VHC04PTEL**: A fourteenth set of inverters.
- IC695 TC74VHC04PTEL**: A fifteenth set of inverters.
- IC696 TC74VHC04PTEL**: A sixteenth set of inverters.
- IC697 TC74VHC04PTEL**: A seventeenth set of inverters.
- IC698 TC74VHC04PTEL**: An eighteenth set of inverters.
- IC699 TC74VHC04PTEL**: A nineteenth set of inverters.
- IC700 TC74VHC04PTEL**: A twentieth set of inverters.
- IC701 TC74VHC04PTEL**: A twenty-first set of inverters.
- IC702 TC74VHC04PTEL**: A twenty-second set of inverters.
- IC703 TC74VHC04PTEL**: A twenty-third set of inverters.
- IC704 TC74VHC04PTEL**: A twenty-fourth set of inverters.
- IC705 TC74VHC04PTEL**: A twenty-fifth set of inverters.
- IC706 TC74VHC04PTEL**: A twenty-sixth set of inverters.
- IC707 TC74VHC04PTEL**: A twenty-seventh set of inverters.
- IC708 TC74VHC04PTEL**: A twenty-eighth set of inverters.
- IC709 TC74VHC04PTEL**: A twenty-ninth set of inverters.
- IC710 TC74VHC04PTEL**: A thirtieth set of inverters.
- IC711 TC74VHC04PTEL**: A thirty-first set of inverters.
- IC712 TC74VHC04PTEL**: A thirty-second set of inverters.
- IC713 TC74VHC04PTEL**: A thirty-third set of inverters.
- IC714 TC74VHC04PTEL**: A thirty-fourth set of inverters.
- IC715 TC74VHC04PTEL**: A thirty-fifth set of inverters.
- IC716 TC74VHC04PTEL**: A thirty-sixth set of inverters.
- IC717 TC74VHC04PTEL**: A thirty-seventh set of inverters.
- IC718 TC74VHC04PTEL**: A thirty-eighth set of inverters.
- IC719 TC74VHC04PTEL**: A thirty-ninth set of inverters.
- IC720 TC74VHC04PTEL**: A fortieth set of inverters.
- IC721 TC74VHC04PTEL**: A forty-first set of inverters.
- IC722 TC74VHC04PTEL**: A forty-second set of inverters.
- IC723 TC74VHC04PTEL**: A forty-third set of inverters.
- IC724 TC74VHC04PTEL**: A forty-fourth set of inverters.
- IC725 TC74VHC04PTEL**: A forty-fifth set of inverters.
- IC726 TC74VHC04PTEL**: A forty-sixth set of inverters.
- IC727 TC74VHC04PTEL**: A forty-seventh set of inverters.
- IC728 TC74VHC04PTEL**: A forty-eighth set of inverters.
- IC729 TC74VHC04PTEL**: A forty-ninth set of inverters.
- IC730 TC74VHC04PTEL**: A fiftieth set of inverters.
- IC731 TC74VHC04PTEL**: A fifty-first set of inverters.
- IC732 TC74VHC04PTEL**: A fifty-second set of inverters.
- IC733 TC74VHC04PTEL**: A fifty-third set of inverters.
- IC734 TC74VHC04PTEL**: A fifty-fourth set of inverters.
- IC735 TC74VHC04PTEL**: A fifty-fifth set of inverters.
- IC736 TC74VHC04PTEL**: A fifty-sixth set of inverters.
- IC737 TC74VHC04PTEL**: A fifty-seventh set of inverters.
- IC738 TC74VHC04PTEL**: A fifty-eighth set of inverters.
- IC739 TC74VHC04PTEL**: A fifty-ninth set of inverters.
- IC740 TC74VHC04PTEL**: A sixtyth set of inverters.
- IC741 TC74VHC04PTEL**: A sixty-first set of inverters.
- IC742 TC74VHC04PTEL**: A sixty-second set of inverters.
- IC743 TC74VHC04PTEL**: A sixty-third set of inverters.
- IC744 TC74VHC04PTEL**: A sixty-fourth set of inverters.
- IC745 TC74VHC04PTEL**: A sixty-fifth set of inverters.
- IC746 TC74VHC04PTEL**: A sixty-sixth set of inverters.
- IC747 TC74VHC04PTEL**: A sixty-seventh set of inverters.
- IC748 TC74VHC04PTEL**: A sixty-eighth set of inverters.
- IC749 TC74VHC04PTEL**: A sixty-ninth set of inverters.
- IC750 TC74VHC04PTEL**: A seventieth set of inverters.
- IC751 TC74VHC04PTEL**: A seventy-first set of inverters.
- IC752 TC74VHC04PTEL**: A seventy-second set of inverters.
- IC753 TC74VHC04PTEL**: A seventy-third set of inverters.
- IC754 TC74VHC04PTEL**: A seventy-fourth set of inverters.
- IC755 TC74VHC04PTEL**: A seventy-fifth set of inverters.
- IC756 TC74VHC04PTEL**: A seventy-sixth set of inverters.
- IC757 TC74VHC04PTEL**: A seventy-seventh set of inverters.
- IC758 TC74VHC04PTEL**: A seventy-eighth set of inverters.
- IC759 TC74VHC04PTEL**: A seventy-ninth set of inverters.
- IC760 TC74VHC04PTEL**: An eightyth set of inverters.
- IC761 TC74VHC04PTEL**: An eighty-first set of inverters.
- IC762 TC74VHC04PTEL**: An eighty-second set of inverters.
- IC763 TC74VHC04PTEL**: An eighty-third set of inverters.
- IC764 TC74VHC04PTEL**: An eighty-fourth set of inverters.
- IC765 TC74VHC04PTEL**: An eighty-fifth set of inverters.
- IC766 TC74VHC04PTEL**: An eighty-sixth set of inverters.
- IC767 TC74VHC04PTEL**: An eighty-seventh set of inverters.
- IC768 TC74VHC04PTEL**: An eighty-eighth set of inverters.
- IC769 TC74VHC04PTEL**: An eighty-ninth set of inverters.
- IC770 TC74VHC04PTEL**: A ninetieth set of inverters.
- IC771 TC74VHC04PTEL**: A ninety-first set of inverters.
- IC772 TC74VHC04PTEL**: A ninety-second set of inverters.
- IC773 TC74VHC04PTEL**: A ninety-third set of inverters.
- IC774 TC74VHC04PTEL**: A ninety-fourth set of inverters.
- IC775 TC74VHC04PTEL**: A ninety-fifth set of inverters.
- IC776 TC74VHC04PTEL**: A ninety-sixth set of inverters.
- IC777 TC74VHC04PTEL**: A ninety-seventh set of inverters.
- IC778 TC74VHC04PTEL**: A ninety-eighth set of inverters.
- IC779 TC74VHC04PTEL**: A ninety-ninth set of inverters.
- IC780 TC74VHC04PTEL**: A hundredth set of inverters.
- IC781 TC74VHC04PTEL**: A hundred-and-first set of inverters.
- IC782 TC74VHC04PTEL**: A hundred-and-second set of inverters.
- IC783 TC74VHC04PTEL**: A hundred-and-third set of inverters.
- IC784 TC74VHC04PTEL**: A hundred-and-fourth set of inverters.
- IC785 TC74VHC04PTEL**: A hundred-and-fifth set of inverters.
- IC786 TC74VHC04PTEL**: A hundred-and-sixth set of inverters.
- IC787 TC74VHC04PTEL**: A hundred-and-seventh set of inverters.
- IC788 TC74VHC04PTEL**: A hundred-and-eighth set of inverters.
- IC789 TC74VHC04PTEL**: A hundred-and-ninth set of inverters.
- IC790 TC74VHC04PTEL**: A hundred-and-tenth set of inverters.
- IC791 TC74VHC04PTEL**: A hundred-and-eleventh set of inverters.
- IC792 TC74VHC04PTEL**: A hundred-and-twelfth set of inverters.
- IC793 TC74VHC04PTEL**: A hundred-and-thirteenth set of inverters.
- IC794 TC74VHC04PTEL**: A hundred-and-fourteenth set of inverters.
- IC795 TC74VHC04PTEL**: A hundred-and-fifteenth set of inverters.
- IC796 TC74VHC04PTEL**: A hundred-and-sixteenth set of inverters.
- IC797 TC74VHC04PTEL**: A hundred-and-seventeenth set of inverters.
- IC798 TC74VHC04PTEL**: A hundred-and-eighteenth set of inverters.
- IC799 TC74VHC04PTEL**: A hundred-and-nineteenth set of inverters.
- IC800 TC74VHC04PTEL**: A two-hundredth set of inverters.
- IC801 TC74VHC04PTEL**: A two-hundred-and-first set of inverters.
- IC802 TC74VHC04PTEL**: A two-hundred-and-second set of inverters.
- IC803 TC74VHC04PTEL**: A two-hundred-and-third set of inverters.
- IC804 TC74VHC04PTEL**: A two-hundred-and-four



VOLTAGE SELECTOR  
R 0N1 Y



## OPERATION (9)

OPERATION (11)

| Destination Perf. List |       |   |        | R |  | RSP       |        |
|------------------------|-------|---|--------|---|--|-----------|--------|
| axx                    | LOC   | J | UTICAL |   |  |           |        |
| 918                    | C461  | X | X      |   |  | W05010    | 0.511B |
| 919                    | C461  | X | X      |   |  | TC04200AD | 0.511B |
| 920                    | C861  | X | X      |   |  | V054410   | 50044  |
| 921                    | R454  | X | X      |   |  | R0247     | 0.71   |
| 922                    | R452  | X | X      |   |  | R023647   |        |
| 923                    | C462  | X | X      |   |  | V13300    | 13300  |
| 924                    | C463  | X | X      |   |  | V13300    | 13300  |
| 925                    | C465  | X | X      |   |  | UM03747   |        |
| 926                    | C464  | X | X      |   |  | UM03747   |        |
| 927                    | R458  | X | X      |   |  | R023647   | 0.71   |
| 928                    | R467  | X | X      |   |  | R023715   |        |
| 929                    | R462  | X | X      |   |  | R023715   |        |
| 930                    | C465  | X | X      |   |  | UM03747   | 0.71   |
| 931                    | C465  | X | X      |   |  | UM03747   | 0.71   |
| 932                    | S461  | X | X      |   |  | UM03747   | 0.71   |
| 933                    | C849  | X | X      |   |  | UM03747   | 0.71   |
| 934                    | F401  | X | X      |   |  | UM03747   | 0.71   |
| 935                    | M401A | X | X      |   |  | UM03747   | 0.71   |
| 936                    | M400B | X | X      |   |  | UM03747   | 0.71   |
| 937                    | M401A | X | X      |   |  | UM03747   | 0.71   |
| 938                    | M400B | X | X      |   |  | UM03747   | 0.71   |
| 939                    | M400A | X | X      |   |  | UM03747   | 0.71   |
| 940                    | M400B | X | X      |   |  | UM03747   | 0.71   |

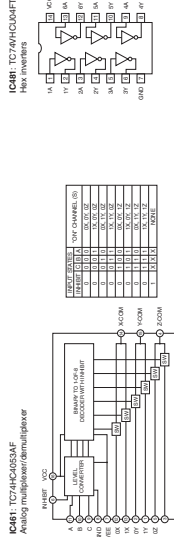
| Destination Ref. List |       |       |              |     |   |   |     |
|-----------------------|-------|-------|--------------|-----|---|---|-----|
| SIX                   | LOC   | LOC   | J            | LOC | R |   | BSP |
| s1                    | C1461 | C1461 | R23520-111   | X   | X |   | X   |
|                       | C1462 | C1462 |              |     |   |   |     |
|                       | C1463 | C1463 |              |     |   |   |     |
|                       | C1464 | C1464 |              |     |   |   |     |
|                       | C1465 | C1465 |              |     |   |   |     |
| s2                    | C1466 | C1466 | R23520-100   | X   | X |   | X   |
|                       | C1467 | C1467 |              |     |   |   |     |
|                       | C1468 | C1468 |              |     |   |   |     |
|                       | C1469 | C1469 |              |     |   |   |     |
|                       | C1470 | C1470 |              |     |   |   |     |
| s3                    | C1486 | C1486 | R235412      | X   | X | X | X   |
|                       | C1487 | C1487 |              |     |   |   |     |
|                       | C1488 | C1488 |              |     |   |   |     |
|                       | C1489 | C1489 |              |     |   |   |     |
|                       | C1490 | C1490 |              |     |   |   |     |
| s4                    | C1491 | C1491 | R235487 (CH) | X   | X | X | X   |
|                       | C1492 | C1492 |              |     |   |   |     |
|                       | C1493 | C1493 |              |     |   |   |     |
|                       | C1494 | C1494 |              |     |   |   |     |
|                       | C1495 | C1495 |              |     |   |   |     |
| s5                    | C1496 | C1496 | R235500      | X   | X | X | X   |
|                       | C1497 | C1497 |              |     |   |   |     |
|                       | C1498 | C1498 |              |     |   |   |     |
|                       | C1499 | C1499 |              |     |   |   |     |
|                       | C1500 | C1500 |              |     |   |   |     |
| s6                    | C1501 | C1501 | R235562      | X   | X | X | X   |
|                       | C1502 | C1502 |              |     |   |   |     |
|                       | C1503 | C1503 |              |     |   |   |     |
|                       | C1504 | C1504 |              |     |   |   |     |
|                       | C1505 | C1505 |              |     |   |   |     |
| s7                    | C1506 | C1506 | R235562      | X   | X | X | X   |
|                       | C1507 | C1507 |              |     |   |   |     |
|                       | C1508 | C1508 |              |     |   |   |     |
|                       | C1509 | C1509 |              |     |   |   |     |
|                       | C1510 | C1510 |              |     |   |   |     |
| s8                    | C1511 | C1511 | R235562      | X   | X | X | X   |
|                       | C1512 | C1512 |              |     |   |   |     |
|                       | C1513 | C1513 |              |     |   |   |     |
|                       | C1514 | C1514 |              |     |   |   |     |
|                       | C1515 | C1515 |              |     |   |   |     |
| s9                    | C1516 | C1516 | R235562      | X   | X | X | X   |
|                       | C1517 | C1517 |              |     |   |   |     |
|                       | C1518 | C1518 |              |     |   |   |     |
|                       | C1519 | C1519 |              |     |   |   |     |
|                       | C1520 | C1520 |              |     |   |   |     |
| s10                   | C1521 | C1521 | R235562      | X   | X | X | X   |
|                       | C1522 | C1522 |              |     |   |   |     |
|                       | C1523 | C1523 |              |     |   |   |     |
|                       | C1524 | C1524 |              |     |   |   |     |
|                       | C1525 | C1525 |              |     |   |   |     |
| s11                   | C1526 | C1526 | R235562      | X   | X | X | X   |
|                       | C1527 | C1527 |              |     |   |   |     |
|                       | C1528 | C1528 |              |     |   |   |     |
|                       | C1529 | C1529 |              |     |   |   |     |
|                       | C1530 | C1530 |              |     |   |   |     |
| s12                   | C1531 | C1531 | R235562      | X   | X | X | X   |
|                       | C1532 | C1532 |              |     |   |   |     |
|                       | C1533 | C1533 |              |     |   |   |     |
|                       | C1534 | C1534 |              |     |   |   |     |
|                       | C1535 | C1535 |              |     |   |   |     |
| s13                   | C1536 | C1536 | R235562      | X   | X | X | X   |
|                       | C1537 | C1537 |              |     |   |   |     |
|                       | C1538 | C1538 |              |     |   |   |     |
|                       | C1539 | C1539 |              |     |   |   |     |
|                       | C1540 | C1540 |              |     |   |   |     |
| s14                   | C1541 | C1541 | R235562      | X   | X | X | X   |
|                       | C1542 | C1542 |              |     |   |   |     |
|                       | C1543 | C1543 |              |     |   |   |     |
|                       | C1544 | C1544 |              |     |   |   |     |
|                       | C1545 | C1545 |              |     |   |   |     |
| s15                   | C1546 | C1546 | R235562      | X   | X | X | X   |
|                       | C1547 | C1547 |              |     |   |   |     |
|                       | C1548 | C1548 |              |     |   |   |     |
|                       | C1549 | C1549 |              |     |   |   |     |
|                       | C1550 | C1550 |              |     |   |   |     |
| s16                   | C1551 | C1551 | R235562      | X   | X | X | X   |
|                       | C1552 | C1552 |              |     |   |   |     |
|                       | C1553 | C1553 |              |     |   |   |     |
|                       | C1554 | C1554 |              |     |   |   |     |
|                       | C1555 | C1555 |              |     |   |   |     |

| REMARKS                             | PARTS | NAME                            |
|-------------------------------------|-------|---------------------------------|
| NO MARK                             |       | CARBON FILM RESISTOR (p=6)      |
| <input checked="" type="checkbox"/> |       | CARBON FILM RESISTOR (p=10)     |
| <input checked="" type="checkbox"/> |       | METAL OXIDE FILM RESISTOR       |
| <input checked="" type="checkbox"/> |       | METAL FILM RESISTOR             |
| <input checked="" type="checkbox"/> |       | METAL FILM RESISTOR             |
| <input checked="" type="checkbox"/> |       | FIRE PROOF CARBON FILM RESISTOR |
| <input checked="" type="checkbox"/> |       | CEMENT MOLDED RESISTOR          |
| <input checked="" type="checkbox"/> |       | Semi VARIABLE RESISTOR          |

| CAPACITOR | PARTS NAME                   | QTY |
|-----------|------------------------------|-----|
| NO MARK   | ELECTROLYTIC CAPACITOR       |     |
| ⊗         | TANTALUM CAPACITOR           |     |
| NO MARK   | CERAMIC CAPACITOR            |     |
| ⊙         | CERAMIC TUBULAR CAPACITOR    |     |
| ⊙         | POLYESTER FILM CAPACITOR     |     |
| ⊙         | POLYSTYRENE FILM CAPACITOR   |     |
| ⊙         | MICA CAPACITOR               |     |
| ⊙         | POLYPROPYLENE FILM CAPACITOR |     |
| ⊙         | OTHER                        |     |

NOTICE (model)

- (J)..... JAPAN  
(U)..... U. S. A  
(C)..... CANADA  
(R)..... GENERAL  
(T)..... CHINA  
(K)..... KOREA  
(A)..... AUSTRALIA  
(B)..... BRITISH  
(G)..... EUROPE  
(L)..... SINGAPORE  
(E)..... SOUTH EUROPE  
(V)..... TAIWAN  
(F)..... RUSSIAN  
(P)..... LATIN AMERICA  
(S)..... BRAZIL



- ★ All voltages are measured with a 10M $\Omega$  V DC electronic voltmeter.
- ★ Components having special characteristics are marked  $\Delta$  and must be replaced with parts having specifications equal to those originally installed.

- ★ All voltages are measured with a 10M $\Omega$ /V DC electronic voltmeter.
- ★ Components having special characteristics are marked  $\Delta$  and must be replaced with parts having specifications equal to those originally installed.

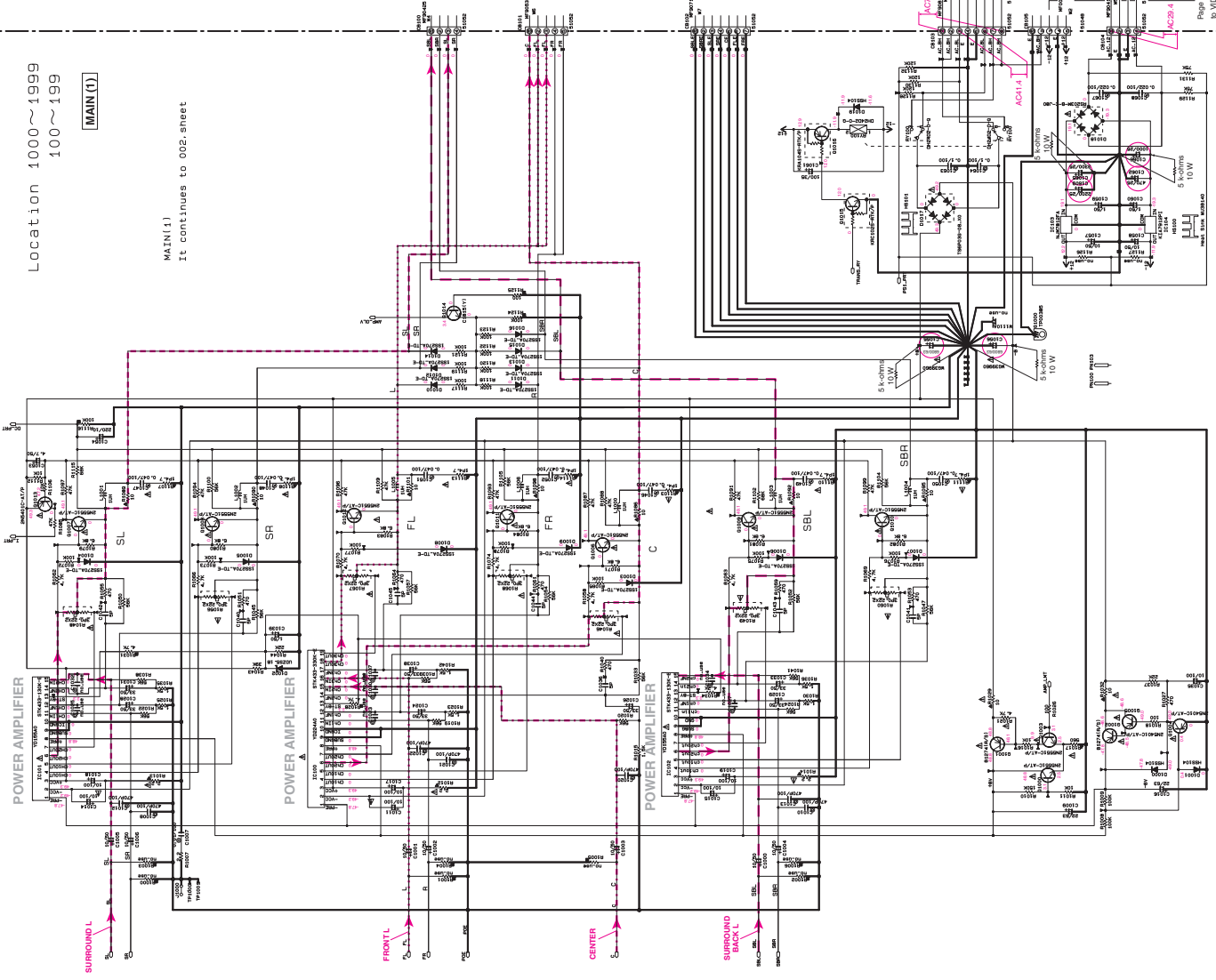
- 電圧は、内部抵抗 10MΩ の電圧計で測定したものです。
- △印のある部品は、安全性確保部品を示しています。部品の交換が必要なパーツリストに記載されている部品を使用してください。

- 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。

Location 1000 ~ 1999

MAIN (1)

It continues to 002.sheet



# Notes

## Safety measures

- Some internal parts in this product contain high voltage and are dangerous. Be sure to take safety measures during servicing, such as wearing insulating gloves.
- Before starting any repair work, connect a discharging resistor (5 k $\Omega$ min/10 W) to the terminals of each capacitor indicated below to discharge electrically.

The time required for discharging is about 30 seconds per each.

C1056, C1060, C1062, C1063, C1066, C1069 on MAIN (1) (P. 6).

## Precautions

- この製品の内部には高電圧部分が数箇所あります。修理の際は、絶縁性の手袋を使用するなどの安全対策を行ってください。
- 修理作業を行う前に、各部品に接地抵抗(5k $\Omega$ 以上/10W)を接続して静電気を放電してください。放電作業は各部品に規定時間(約30秒)を要します。

MAIN (1) (P. 6) の C1056, C1060, C1062, C1063, C1066, C1069

## Resistor

| RESISTOR | PARTS NAME                          | REMARKS                             |
|----------|-------------------------------------|-------------------------------------|
| NO. 1    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 2    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 3    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 4    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 5    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 6    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 7    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 8    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 9    | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |
| NO. 10   | 100K $\Omega$ FILM RESISTOR (1/4 W) | 100K $\Omega$ FILM RESISTOR (1/4 W) |

## Capacitor

| CAPACITOR | PARTS NAME                            | REMARKS                               |
|-----------|---------------------------------------|---------------------------------------|
| NO. 1     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 2     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 3     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 4     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 5     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 6     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 7     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 8     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 9     | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |
| NO. 10    | 100K $\Omega$ FILM CAPACITOR (100 pF) | 100K $\Omega$ FILM CAPACITOR (100 pF) |

## NOTICE

- 1. 100K $\Omega$  FILM CAPACITOR (100 pF)
- 2. 100K $\Omega$  FILM CAPACITOR (100 pF)
- 3. 100K $\Omega$  FILM CAPACITOR (100 pF)
- 4. 100K $\Omega$  FILM CAPACITOR (100 pF)
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100K $\Omega$  FILM CAPACITOR (100 pF)

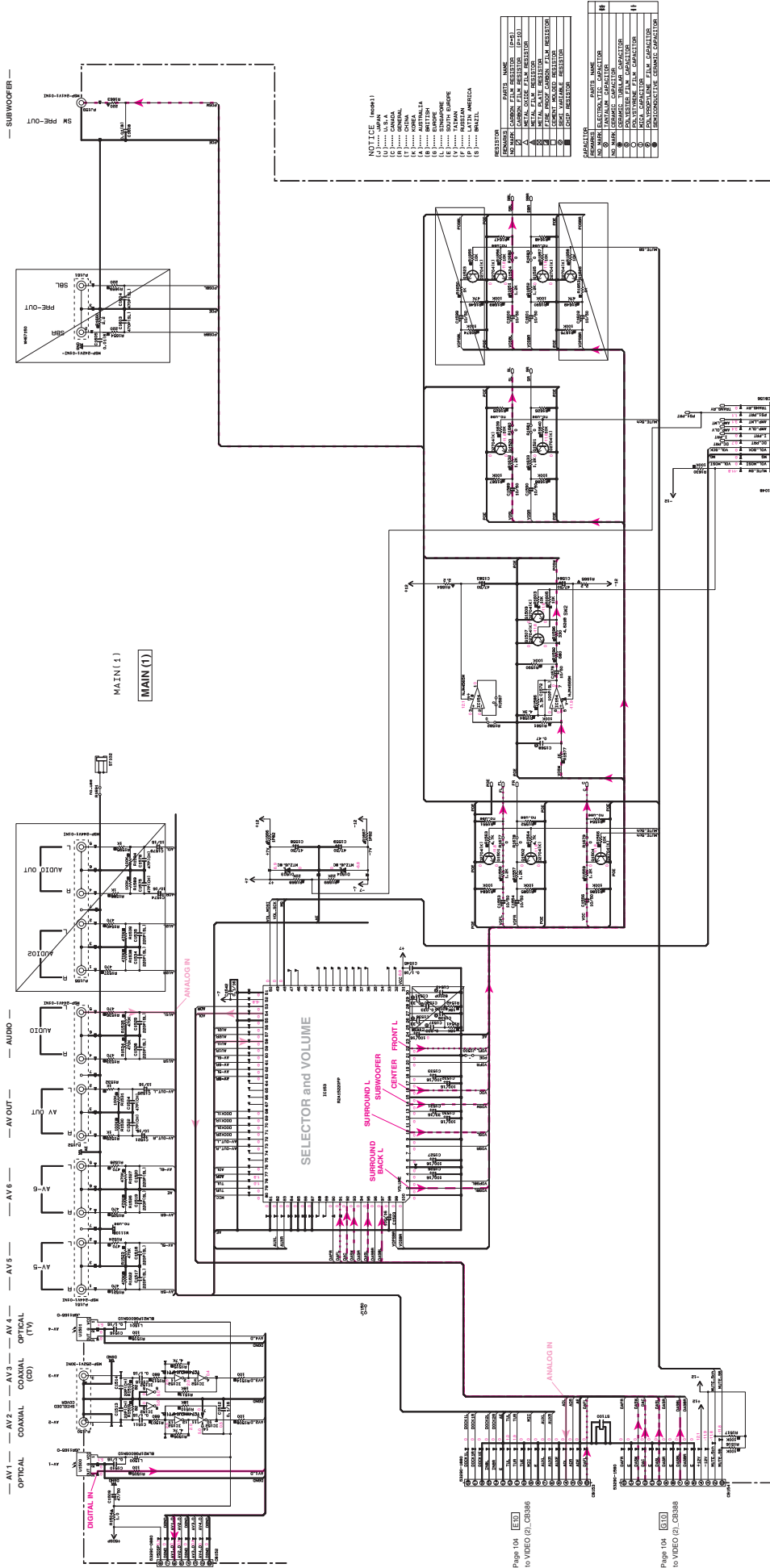
100K $\Omega$  FILM CAPACITOR (100 pF)

100K $\Omega$  FILM CAPACITOR (100 pF)

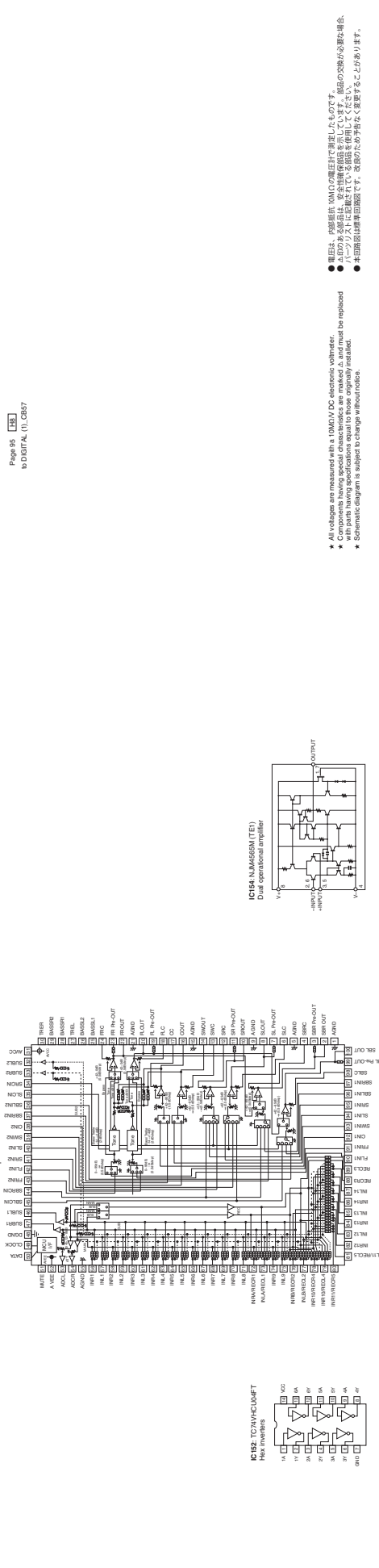
100K $\Omega$  FILM CAPACITOR (100 pF)

100K $\Omega$  FILM CAPACITOR (100 pF)

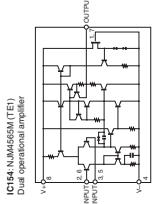
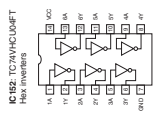
100K $\Omega$  FILM CAPACITOR (100 pF)



IC109: 8ch analog 8-channel electronic volume with 11 input selector and tone control



Page 95 to DIGITAL (1), CR57



NOTICE (Japan 1)

|                   |                    |
|-------------------|--------------------|
| (J) Japan         | (K) Korea          |
| (C) Canada        | (L) Latin America  |
| (T) Taiwan        | (M) Mexico         |
| (A) Australia     | (N) North America  |
| (S) South America | (O) Oceania        |
| (E) Europe        | (P) Pacific Area   |
| (F) France        | (Q) Quebec         |
| (G) Germany       | (R) Russia         |
| (I) Italy         | (U) United States  |
| (N) Netherlands   | (V) Vietnam        |
| (S) Singapore     | (W) Western Europe |
| (T) Thailand      | (X) Xmas Island    |
| (Y) Yugoslavia    | (Z) Zealand        |

RESISTOR

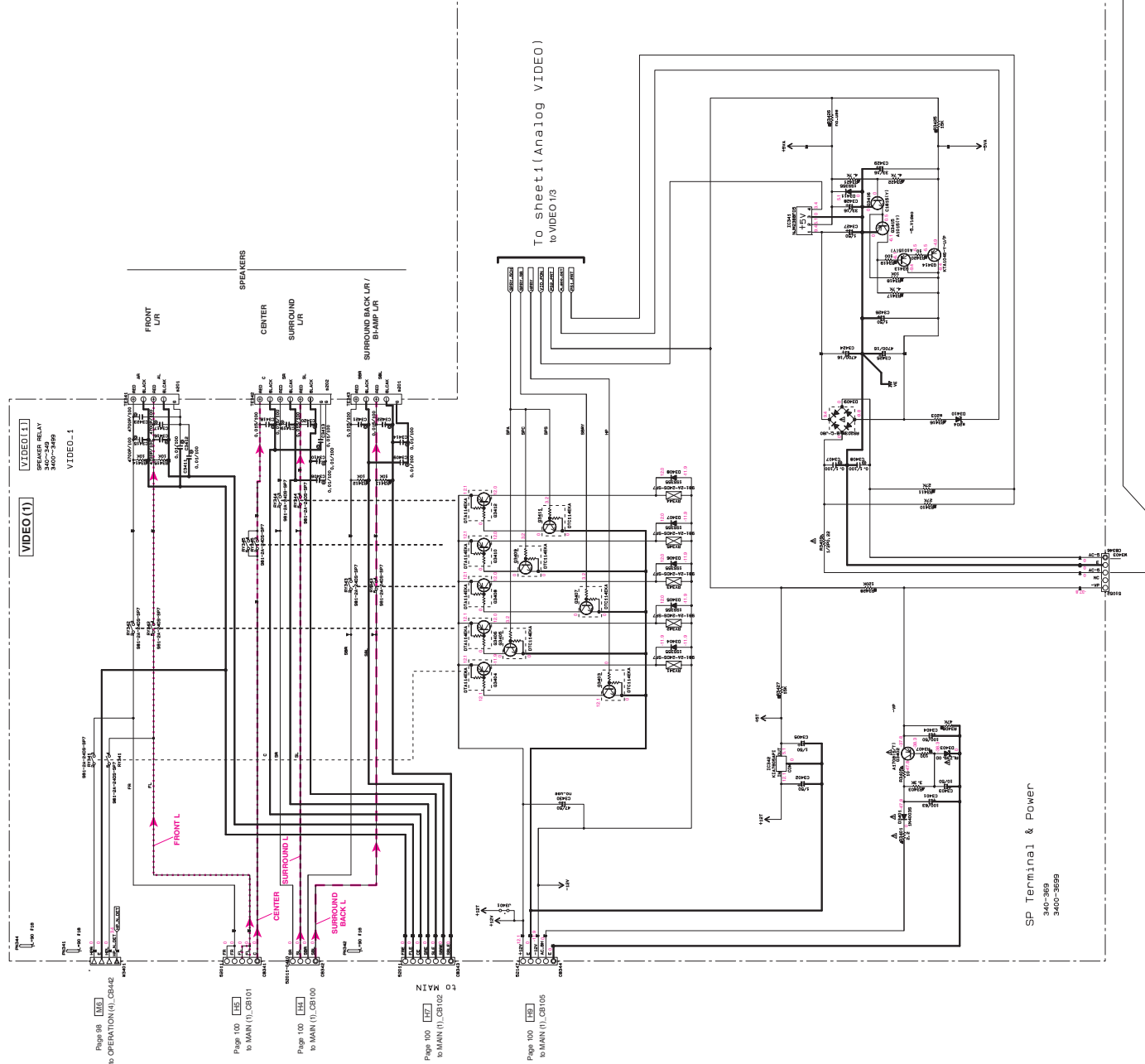
|            |             |             |
|------------|-------------|-------------|
| (1) 100Ω   | (2) 100kΩ   | (3) 100MΩ   |
| (4) 100Ω   | (5) 100kΩ   | (6) 100MΩ   |
| (7) 100Ω   | (8) 100kΩ   | (9) 100MΩ   |
| (10) 100Ω  | (11) 100kΩ  | (12) 100MΩ  |
| (13) 100Ω  | (14) 100kΩ  | (15) 100MΩ  |
| (16) 100Ω  | (17) 100kΩ  | (18) 100MΩ  |
| (19) 100Ω  | (20) 100kΩ  | (21) 100MΩ  |
| (22) 100Ω  | (23) 100kΩ  | (24) 100MΩ  |
| (25) 100Ω  | (26) 100kΩ  | (27) 100MΩ  |
| (28) 100Ω  | (29) 100kΩ  | (30) 100MΩ  |
| (31) 100Ω  | (32) 100kΩ  | (33) 100MΩ  |
| (34) 100Ω  | (35) 100kΩ  | (36) 100MΩ  |
| (37) 100Ω  | (38) 100kΩ  | (39) 100MΩ  |
| (40) 100Ω  | (41) 100kΩ  | (42) 100MΩ  |
| (43) 100Ω  | (44) 100kΩ  | (45) 100MΩ  |
| (46) 100Ω  | (47) 100kΩ  | (48) 100MΩ  |
| (49) 100Ω  | (50) 100kΩ  | (51) 100MΩ  |
| (52) 100Ω  | (53) 100kΩ  | (54) 100MΩ  |
| (55) 100Ω  | (56) 100kΩ  | (57) 100MΩ  |
| (58) 100Ω  | (59) 100kΩ  | (60) 100MΩ  |
| (61) 100Ω  | (62) 100kΩ  | (63) 100MΩ  |
| (64) 100Ω  | (65) 100kΩ  | (66) 100MΩ  |
| (67) 100Ω  | (68) 100kΩ  | (69) 100MΩ  |
| (70) 100Ω  | (71) 100kΩ  | (72) 100MΩ  |
| (73) 100Ω  | (74) 100kΩ  | (75) 100MΩ  |
| (76) 100Ω  | (77) 100kΩ  | (78) 100MΩ  |
| (79) 100Ω  | (80) 100kΩ  | (81) 100MΩ  |
| (82) 100Ω  | (83) 100kΩ  | (84) 100MΩ  |
| (85) 100Ω  | (86) 100kΩ  | (87) 100MΩ  |
| (88) 100Ω  | (89) 100kΩ  | (90) 100MΩ  |
| (91) 100Ω  | (92) 100kΩ  | (93) 100MΩ  |
| (94) 100Ω  | (95) 100kΩ  | (96) 100MΩ  |
| (97) 100Ω  | (98) 100kΩ  | (99) 100MΩ  |
| (100) 100Ω | (101) 100kΩ | (102) 100MΩ |

CAPACITOR

|             |             |             |
|-------------|-------------|-------------|
| (1) 100pF   | (2) 100nF   | (3) 100μF   |
| (4) 100pF   | (5) 100nF   | (6) 100μF   |
| (7) 100pF   | (8) 100nF   | (9) 100μF   |
| (10) 100pF  | (11) 100nF  | (12) 100μF  |
| (13) 100pF  | (14) 100nF  | (15) 100μF  |
| (16) 100pF  | (17) 100nF  | (18) 100μF  |
| (19) 100pF  | (20) 100nF  | (21) 100μF  |
| (22) 100pF  | (23) 100nF  | (24) 100μF  |
| (25) 100pF  | (26) 100nF  | (27) 100μF  |
| (28) 100pF  | (29) 100nF  | (30) 100μF  |
| (31) 100pF  | (32) 100nF  | (33) 100μF  |
| (34) 100pF  | (35) 100nF  | (36) 100μF  |
| (37) 100pF  | (38) 100nF  | (39) 100μF  |
| (40) 100pF  | (41) 100nF  | (42) 100μF  |
| (43) 100pF  | (44) 100nF  | (45) 100μF  |
| (46) 100pF  | (47) 100nF  | (48) 100μF  |
| (49) 100pF  | (50) 100nF  | (51) 100μF  |
| (52) 100pF  | (53) 100nF  | (54) 100μF  |
| (55) 100pF  | (56) 100nF  | (57) 100μF  |
| (58) 100pF  | (59) 100nF  | (60) 100μF  |
| (61) 100pF  | (62) 100nF  | (63) 100μF  |
| (64) 100pF  | (65) 100nF  | (66) 100μF  |
| (67) 100pF  | (68) 100nF  | (69) 100μF  |
| (70) 100pF  | (71) 100nF  | (72) 100μF  |
| (73) 100pF  | (74) 100nF  | (75) 100μF  |
| (76) 100pF  | (77) 100nF  | (78) 100μF  |
| (79) 100pF  | (80) 100nF  | (81) 100μF  |
| (82) 100pF  | (83) 100nF  | (84) 100μF  |
| (85) 100pF  | (86) 100nF  | (87) 100μF  |
| (88) 100pF  | (89) 100nF  | (90) 100μF  |
| (91) 100pF  | (92) 100nF  | (93) 100μF  |
| (94) 100pF  | (95) 100nF  | (96) 100μF  |
| (97) 100pF  | (98) 100nF  | (99) 100μF  |
| (100) 100pF | (101) 100nF | (102) 100μF |

● All voltages are measured with a 10MΩV DC electronic voltmeter.  
● Components having special characteristics are marked Δ and must be replaced with parts having the same characteristics.  
● Some components are subjected to change in value over time.





Option selection Area 1, List

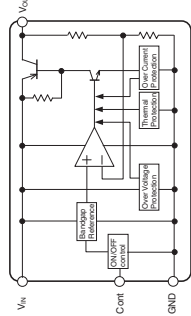
| RES. | LOC. | U | C | B | V | A | L | REF.           |
|------|------|---|---|---|---|---|---|----------------|
| 4001 | 7341 |   |   |   |   |   |   | REF. 4001-7341 |
| 4002 | 7342 |   |   |   |   |   |   | REF. 4002-7342 |
| 4003 | 7343 |   |   |   |   |   |   | REF. 4003-7343 |
| 4004 | 7344 |   |   |   |   |   |   | REF. 4004-7344 |

NOTICE (note1)

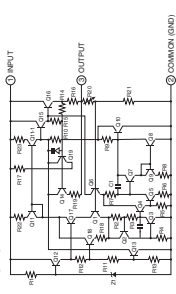
- (1) ... CHINA
- (2) ... U.S.A.
- (3) ... JAPAN
- (4) ... AUSTRALIA
- (5) ... EUROPE
- (6) ... SOUTH AMERICA
- (7) ... NORTH AMERICA
- (8) ... SOUTH AMERICA
- (9) ... NORTH AMERICA
- (10) ... SOUTH AMERICA
- (11) ... NORTH AMERICA
- (12) ... SOUTH AMERICA
- (13) ... NORTH AMERICA
- (14) ... SOUTH AMERICA
- (15) ... NORTH AMERICA
- (16) ... SOUTH AMERICA
- (17) ... NORTH AMERICA
- (18) ... SOUTH AMERICA
- (19) ... NORTH AMERICA
- (20) ... SOUTH AMERICA

| RESISTOR | VALUE | NAME         | UNIT |
|----------|-------|--------------|------|
| 1        | 10K   | 10K RESISTOR | Ω    |
| 2        | 10K   | 10K RESISTOR | Ω    |
| 3        | 10K   | 10K RESISTOR | Ω    |
| 4        | 10K   | 10K RESISTOR | Ω    |
| 5        | 10K   | 10K RESISTOR | Ω    |
| 6        | 10K   | 10K RESISTOR | Ω    |
| 7        | 10K   | 10K RESISTOR | Ω    |
| 8        | 10K   | 10K RESISTOR | Ω    |
| 9        | 10K   | 10K RESISTOR | Ω    |
| 10       | 10K   | 10K RESISTOR | Ω    |
| 11       | 10K   | 10K RESISTOR | Ω    |
| 12       | 10K   | 10K RESISTOR | Ω    |
| 13       | 10K   | 10K RESISTOR | Ω    |
| 14       | 10K   | 10K RESISTOR | Ω    |
| 15       | 10K   | 10K RESISTOR | Ω    |
| 16       | 10K   | 10K RESISTOR | Ω    |
| 17       | 10K   | 10K RESISTOR | Ω    |
| 18       | 10K   | 10K RESISTOR | Ω    |
| 19       | 10K   | 10K RESISTOR | Ω    |
| 20       | 10K   | 10K RESISTOR | Ω    |

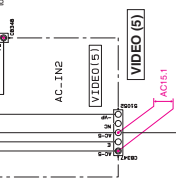
IC341: N4705API  
Low dropout voltage regulator with ON/OFF control



IC342: KA7050API  
Voltage regulator



Page 98  
to OPERATION (1), CB403



- ★ All voltages are measured with a 10MΩV DC electronic voltmeter.
- ★ Components having special characteristics are marked Δ, and must be replaced with parts having the same characteristics to ensure proper operation.
- ★ Schematic diagram is subject to change without notice.



## ■ REPLACEMENT PARTS LIST

### ● ELECTRICAL COMPONENT PARTS

#### WARNING

- Components having special characteristics are marked  $\Delta$  and must be replaced with parts having specifications equal to those originally installed.
- $\Delta$ 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    | L.DTCT         | : LIGHT DETECTING MODULE                      |
| C.CE           | : CERAMIC CAP                    | LED.CHP        | : CHIP LED                                    |
| C.CE.ARRAY     | : CERAMIC CAP ARRAY              | LED.DSPLY      | : LED DISPLAY                                 |
| C.CE.CHP       | : CHIP CERAMIC CAP               | LED.INFRD      | : LED,INFRARED                                |
| C.CE.M.CHP     | : CHIP MULTILAYER CERAMIC CAP    | PHOT.CPL       | : PHOTO COUPLER                               |
| C.CE.SAFETY    | : RECOGNIZED CERAMIC CAP         | PHOT.INTR      | : PHOTO INTERRUPTER                           |
| C.CE.TUBLR     | : CERAMIC TUBULAR CAP            | PHOT.RFLCT     | : PHOTO REFLECTOR                             |
| C.CE.SMI       | : SEMI CONDUCTIVE CERAMIC CAP    | PHOT.TR        | : PHOTO TRANSISTOR                            |
| C.EL           | : ELECTROLYTIC CAP               | PIN.TEST       | : PIN,TEST POINT                              |
| C.EL.BP        | : BIPOLAR ELECTROLYTIC CAP       | PTC.THERMISTOR | : POSITIVE TEMPERATURE COEFFICIENT THERMISTOR |
| C.EL.CHP       | : CHIP ELECTROLYTIC CAP          | R.ARRAY        | : RESISTOR ARRAY                              |
| C.MICA         | : MICA CAP                       | R.CAR.         | : CARBON RESISTOR                             |
| C.ML.FLM       | : MULTILAYER FILM CAP            | R.CAR.CHP      | : CHIP RESISTOR                               |
| C.MP           | : METALLIZED POLYESTER FILM CAP  | R.CAR.FP       | : FLAME PROOF CARBON RESISTOR                 |
| C.MYLAR        | : MYLAR FILM CAP                 | R.CEMENT       | : CEMENT RESISTOR                             |
| C.MYLAR.ML     | : MULTILAYER MYLAR FILM CAP      | R.FUS          | : FUSIBLE RESISTOR                            |
| C.NIOB.OXD     | : NIOBIUM OXIDE CAP              | R.MTL.CHP      | : CHIP METAL FILM RESISTOR                    |
| C.PAPER        | : PAPER CAPACITOR                | R.MTL.FLM      | : METAL FILM RESISTOR                         |
| C.PLS          | : POLYSTYRENE FILM CAP           | R.MTL.OXD      | : METAL OXIDE FILM RESISTOR                   |
| C.POL          | : POLYESTER FILM CAP             | R.MTL.PLAT     | : METAL PLATE RESISTOR                        |
| C.PP           | : POLYPROPYLENE FILM CAP         | RSNR.CE        | : CERAMIC RESONATOR                           |
| C.PP.CHP       | : CHIP POLYPROPYLENE FILM CAP    | RSNR.CRYS      | : CRYSTAL RESONATOR                           |
| C.TNTL         | : TANTALIUM CAP                  | SCR.BND.HD     | : BIND HEAD B-TIGHT SCREW                     |
| C.TNTL.CHP     | : CHIP TANTALIUM CAP             | SCR.TERM       | : SCREW TERMINAL                              |
| C.TRIM         | : TRIMMER CAP                    | SCR.TR         | : SCREW,TRANSISTOR                            |
| CN             | : CONNECTOR                      | SURG.PRTCT     | : SURGE PROTECTOR                             |
| CN.BS.PIN      | : CONNECTOR,BASE PIN             | SUPRT.PCB      | : P.C.B. SUPPORT                              |
| CN.CANNON      | : CONNECTOR,CANNON               | SW.LEVER       | : LEVER SWITCH                                |
| CN.DIN         | : CONNECTOR,DIN                  | SW.MICRO       | : MICRO SWITCH                                |
| CN.FLAT        | : CONNECTOR,FLAT CABLE           | SW.LEAF        | : LEAF SWITCH                                 |
| CN.FFC         | : CONNECTOR,FLEXIBLE FLAT CABLE  | SW.PUSH        | : PUSH SWITCH                                 |
| CN.HDMI        | : HDMI CONNECTOR                 | SW.RT          | : ROTARY SWITCH                               |
| CN.PHOTO.R     | : PHOTO FIBER SENSOR,RECEIVED    | SW.RT.ENC      | : ROTARY ENCODER                              |
| CN.PHOTO.T     | : PHOTO FIBER SENSOR,TRANSMITTED | SW.RT.MTR      | : ROTARY SWITCH WITH MOTOR                    |
| DIODE.ARRAY    | : DIODE ARRAY                    | SW.SLIDE       | : SLIDE SWITCH                                |
| DIODE.BRG      | : DIODE BRIDGE                   | SW.TACT        | : TACT SWITCH                                 |
| DIODE.CHP      | : CHIP DIODE                     | TERM.SP        | : SPEAKER TERMINAL                            |
| DIODE.VAR      | : VARACTOR DIODE                 | TERM.WRAP      | : WRAPPING TERMINAL                           |
| DIODE.ZENR     | : ZENER DIODE                    | THRMST.CHP     | : CHIP THERMISTOR                             |
| DIODE.Z.CHP    | : CHIP ZENER DIODE               | TR             | : TRANSISTOR                                  |
| DIODE.SCHOTTKY | : SCHOTTKY BARRIER DIODE         | TR.CHP         | : CHIP TRANSISTOR                             |
| DIODE.PHOT     | : PHOTO DIODE                    | TR.DGT         | : DIGITAL TRANSISTOR                          |
| FER.BEAD       | : FERRITE BEADS                  | TR.DGT.CHP     | : CHIP DIGITAL TRANSISTOR                     |
| FER.CORE       | : FERRITE CORE                   | TR.PAIR        | : PAIR TRANSISTOR                             |
| FET.CHP        | : CHIP FET                       | TRANS          | : TRANSFORMER                                 |
| FL.DSPLY       | : FLUORESCENT DISPLAY            | TRANS.PULS     | : PULSE TRANSFORMER                           |
| FLTR.CE        | : CERAMIC FILTER                 | TRANS.PWR      | : POWER TRANSFORMER                           |
| FLTR.COMB      | : COMB FILTER MODULE             | VARISTOR.CHP   | : CHIP VARISTOR                               |
| FLTR.LC.RF     | : LC FILTER,EMI                  | VOLT.SELCT     | : VOLTAGE SELECTOR                            |
| FUSE.CHP       | : CHIP FUSE                      | VR             | : ROTARY POTENTIOMETER                        |
| GND.MTL        | : GROUND PLATE                   | VR.MTR         | : POTENTIOMETER WITH MOTOR                    |
| GND.TERM       | : GROUND TERMINAL                | VR.SLIDE       | : SLIDE POTENTIOMETER                         |
| JUMPER.CN      | : JUMPER CONNECTOR               | VR.SW          | : POTENTIOMETER WITH SWITCH                   |
| JUMPER.TST     | : JUMPER,TEST POINT              | VR.TRIM        | : TRIMMER POTENTIOMETER                       |

## DIGITAL

| Ref No.    | Part No. | Description   | Remarks     | Markets | 部 品 名    | ランク         |
|------------|----------|---------------|-------------|---------|----------|-------------|
| *          | WW915400 | P. C. B.      | DIGITAL     | V571    | JUCRTKAL | PCB DIGITAL |
| *          | WW924900 | P. C. B.      | DIGITAL     | 5064    | UK       | PCB DIGITAL |
| *          | WW915500 | P. C. B.      | DIGITAL     | V571    | BGF      | PCB DIGITAL |
| *          | WW925000 | P. C. B.      | DIGITAL     | 5064    | GF       | PCB DIGITAL |
| * CB1      | WW271700 | CN. HDMI      | 19P HDMI    |         |          | HDMIコネクタ    |
| CB2        | WD295600 | CN. BS. PIN   | 20P SE      |         |          | コネクタ        |
| * CB4-8    | WW271700 | CN. HDMI      | 19P HDMI    |         |          | HDMIコネクタ    |
| CB25       | VQ044100 | CN. BS. PIN   | 5P          |         | BGF      | コネクタ        |
| * CB41     | WW271700 | CN. HDMI      | 19P HDMI    |         |          | HDMIコネクタ    |
| CB42       | VY939800 | CN. BS. PIN   | 20P TE      |         |          | コネクタ        |
| CB43       | VL844800 | CN. BS. PIN   | 4P          |         |          | コネクタ        |
| CB44       | VB390100 | CN. BS. PIN   | 5P          |         |          | コネクタ        |
| CB45       | VL844900 | CN. BS. PIN   | 5P          |         |          | コネクタ        |
| CB53       | VF982300 | CN. BS. PIN   | 17P         |         |          | コネクタ        |
| CB55       | VF728300 | CN            | 6P          |         |          | コネクタ        |
| CB56       | VK024800 | CN. BS. PIN   | 4P          |         |          | ワイヤートラップ    |
| CB57       | VF728200 | CN. BS. PIN   | 10P         |         |          | コネクタ        |
| CB58       | VG518300 | PIN. BASE     | 2P RF TE    |         |          | ベースピン       |
| CB59       | VQ047200 | CN. BS. PIN   | 9P          |         |          | コネクタ        |
| CB60-61    | VQ961600 | CN            | 13P         |         |          | ハウジング       |
| CB62       | VQ961900 | CN            | 16P         |         |          | ハウジング       |
| CB63       | VQ047200 | CN. BS. PIN   | 9P          |         |          | コネクタ        |
| CB64       | VM973500 | CN. BS. PIN   | 17P         |         |          | コネクタ        |
| C101       | UF038100 | C. EL. CHP    | 100uF 16V   |         |          | チップケミコン     |
| C102       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C103       | US663100 | C. CE. CHP    | 1000pF 50V  |         |          | チップセラコン     |
| C104       | WG888300 | C. CE. M. CHP | 10uF 6. 3V  |         |          | チップ積層セラコン   |
| C105-106   | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C107-108   | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| * C109-110 | US662470 | C. CE. CHP    | 470pF 50V   |         |          | チップセラコン     |
| C111       | US663100 | C. CE. CHP    | 1000pF 50V  |         |          | チップセラコン     |
| C112       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C113       | WG888300 | C. CE. M. CHP | 10uF 6. 3V  |         |          | チップ積層セラコン   |
| C114-115   | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C116       | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C117       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C118       | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C119       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C120       | WD758300 | C. CE. CHP    | 10uF 10V    |         |          | チップセラコン     |
| C121       | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C122       | US663100 | C. CE. CHP    | 1000pF 50V  |         |          | チップセラコン     |
| C123       | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C124       | WD758300 | C. CE. CHP    | 10uF 10V    |         |          | チップセラコン     |
| C125-126   | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C127       | US663100 | C. CE. CHP    | 1000pF 50V  |         |          | チップセラコン     |
| C129       | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C130       | WD758300 | C. CE. CHP    | 10uF 10V    |         |          | チップセラコン     |
| C131       | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C132       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C133-135   | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C136       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C137       | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C138       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C139       | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C140       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |
| C141-142   | US634100 | C. CE. CHP    | 0. 01uF 16V |         |          | チップセラコン     |
| C143       | US635100 | C. CE. CHP    | 0. 1uF 16V  |         |          | チップセラコン     |

\* New Parts \* 新規部品

## DIGITAL

| Ref No.  | Part No. | Description   | Remarks     | Markets | 部 品 名     | ランク |
|----------|----------|---------------|-------------|---------|-----------|-----|
| C144     | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |
| C145-146 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C147-148 | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C149-151 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C152     | WG888300 | C. CE. M. CHP | 10uF 6. 3V  |         | チップ積層セラコン | 01  |
| C153-154 | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C155     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C156-157 | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C158     | WG888300 | C. CE. M. CHP | 10uF 6. 3V  |         | チップ積層セラコン | 01  |
| C159     | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |
| C160-169 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C170-171 | WG888300 | C. CE. M. CHP | 10uF 6. 3V  |         | チップ積層セラコン | 01  |
| C172-173 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C174-178 | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |
| C179-181 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C182     | WG888300 | C. CE. M. CHP | 10uF 6. 3V  |         | チップ積層セラコン | 01  |
| C183     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C184-188 | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |
| C189     | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C190     | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C191     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C192     | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C193     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C194-195 | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C196-197 | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C198-199 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C200     | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C201     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C202-206 | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C207     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C208-210 | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C211-212 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C213     | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C214-215 | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C216     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C217     | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C218-219 | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |
| C220     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C221     | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |
| * C222   | US662470 | C. CE. CHP    | 470pF 50V   |         | チップセラコン   | 01  |
| C223-224 | US046100 | C. CE. CHP    | 1uF 25V     |         | チップセラコン   | 01  |
| * C225   | US661220 | C. CE. CHP    | 22pF 50V    |         | チップセラコン   |     |
| C226     | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C227     | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |
| C228-229 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C232     | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C235     | US046100 | C. CE. CHP    | 1uF 25V     |         | チップセラコン   | 01  |
| C236-238 | US634100 | C. CE. CHP    | 0. 01uF 16V |         | チップセラコン   | 01  |
| C239-242 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C251     | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |
| C252     | UF017220 | C. EL. CHP    | 22uF 6. 3V  |         | チップケミコン   | 01  |
| C253-258 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C259     | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C260     | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C261-263 | WD758300 | C. CE. CHP    | 10uF 10V    |         | チップセラコン   | 01  |
| C265-267 | US635100 | C. CE. CHP    | 0. 1uF 16V  |         | チップセラコン   | 01  |
| C268     | US663100 | C. CE. CHP    | 1000pF 50V  |         | チップセラコン   | 01  |

\* New Parts \* 新規部品

## DIGITAL

| Ref No.  | Part No. | Description   | Remarks        | Markets | 部 品 名     | ランク |
|----------|----------|---------------|----------------|---------|-----------|-----|
| C269-271 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C272-273 | US634100 | C. CE. CHP    | 0. 01uF 16V    |         | チップセラコン   | 01  |
| C274     | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C276     | US634100 | C. CE. CHP    | 0. 01uF 16V    |         | チップセラコン   | 01  |
| C277     | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C279     | US034820 | C. CE. CHP    | 0. 082uF 16V K |         | チップセラコン   | 01  |
| C280     | US064100 | C. CE. CHP    | 0. 01uF 50V B  |         | チップセラコン   | 01  |
| C281     | US634100 | C. CE. CHP    | 0. 01uF 16V    |         | チップセラコン   | 01  |
| C282-283 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C284     | US060800 | C. CE. CHP    | 8pF 50V B      |         | チップセラコン   | 01  |
| C285     | US061100 | C. CE. CHP    | 10pF 50V B     |         | チップセラコン   | 01  |
| C286-287 | US046100 | C. CE. CHP    | 1uF 25V        |         | チップセラコン   | 01  |
| C288     | UF017220 | C. EL. CHP    | 22uF 6. 3V     |         | チップケミコン   | 01  |
| C289-290 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C291     | WD758300 | C. CE. CHP    | 10uF 10V       |         | チップセラコン   | 01  |
| C292     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C293-294 | WG251600 | C. CE. CHP    | 4. 7uF 6. 3V   |         | チップセラコン   | 01  |
| C295     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C296     | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C333     | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C334     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C335-337 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C338-339 | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C340-350 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C351-353 | UF417220 | C. EL. CHP    | 22uF 6. 3V     |         | チップケミコン   | 01  |
| C354-355 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C356-357 | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C358-360 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C361     | WG888300 | C. CE. M. CHP | 10uF 6. 3V     |         | チップ積層セラコン | 01  |
| C362-367 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C368     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C369     | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C370     | WG888300 | C. CE. M. CHP | 10uF 6. 3V     |         | チップ積層セラコン | 01  |
| C371     | UF417220 | C. EL. CHP    | 22uF 6. 3V     |         | チップケミコン   | 01  |
| C372     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C373     | WG888300 | C. CE. M. CHP | 10uF 6. 3V     |         | チップ積層セラコン | 01  |
| C374-380 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C381-382 | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C383     | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C384-385 | WG888300 | C. CE. M. CHP | 10uF 6. 3V     |         | チップ積層セラコン | 01  |
| C386-388 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C401     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| * C402   | US662220 | C. CE. CHP    | 220pF 50V      |         | チップセラコン   | 01  |
| C403     | WG888300 | C. CE. M. CHP | 10uF 6. 3V     |         | チップ積層セラコン | 01  |
| C404     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C405-406 | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C407-413 | US634100 | C. CE. CHP    | 0. 01uF 16V    |         | チップセラコン   | 01  |
| * C414   | US662470 | C. CE. CHP    | 470pF 50V      |         | チップセラコン   | 01  |
| * C415   | US662220 | C. CE. CHP    | 220pF 50V      |         | チップセラコン   | 01  |
| C416     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |
| C417-418 | WG251600 | C. CE. CHP    | 4. 7uF 6. 3V   |         | チップセラコン   | 01  |
| C419     | WQ614300 | C. CE. CHP    | 22uF 10VE      |         | チップセラコン   | 01  |
| C420     | US635100 | C. CE. CHP    | 0. 1uF 16V     |         | チップセラコン   | 01  |
| C421     | WJ344400 | C. CE. CHP    | 22uF 6. 3V     |         | チップセラコン   | 01  |
| C423     | WG888300 | C. CE. M. CHP | 10uF 6. 3V     |         | チップ積層セラコン | 01  |
| * C424   | US663390 | C. CE. CHP    | 3900pF 50V     |         | チップセラコン   | 01  |
| C425     | US663100 | C. CE. CHP    | 1000pF 50V     |         | チップセラコン   | 01  |

\* New Parts \* 新規部品

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| Ref No.  | Part No. | Description   | Remarks | Markets | 部 品 名     | ランク |
|----------|----------|---------------|---------|---------|-----------|-----|
| C426     | US663330 | C. CE. CHP    | 3300pF  | 50V     | チップセラコン   |     |
| C427     | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| C428-429 | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C430     | WH311600 | C. CE. CHP    | 10uF    | 10V     | チップセラコン   | 01  |
| C431     | WJ344400 | C. CE. CHP    | 22uF    | 6. 3V   | チップセラコン   | 01  |
| C433-435 | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| * C436   | US663390 | C. CE. CHP    | 3900pF  | 50V     | チップセラコン   | 01  |
| C437     | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| * C438   | US643680 | C. CE. CHP    | 6800pF  | 25V     | チップセラコン   |     |
| C439     | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| C440-441 | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C443     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C444     | WH311600 | C. CE. CHP    | 10uF    | 10V     | チップセラコン   | 01  |
| C448     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C449     | US061120 | C. CE. CHP    | 12pF    | 50V B   | チップセラコン   | 01  |
| C450     | WG888300 | C. CE. M. CHP | 10uF    | 6. 3V   | チップ積層セラコン | 01  |
| C451     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C452     | US061150 | C. CE. CHP    | 15pF    | 50V B   | チップセラコン   | 01  |
| C453     | WD758300 | C. CE. CHP    | 10uF    | 10V     | チップセラコン   | 01  |
| C459-460 | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C461     | WH772100 | C. EL         | 1000uF  | 10V     | ケミコン      | 04  |
| C462     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C464     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C467-468 | US634100 | C. CE. CHP    | 0. 01uF | 16V     | チップセラコン   | 01  |
| C470     | WD758300 | C. CE. CHP    | 10uF    | 10V     | チップセラコン   | 01  |
| C471     | WG888300 | C. CE. M. CHP | 10uF    | 6. 3V   | チップ積層セラコン | 01  |
| C472-474 | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C475     | US634100 | C. CE. CHP    | 0. 01uF | 16V     | チップセラコン   | 01  |
| C501-502 | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C504     | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| C505     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C506-507 | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| C508     | US046100 | C. CE. CHP    | 1uF     | 25V     | チップセラコン   | 01  |
| C509-511 | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| C512     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C513     | WG251600 | C. CE. CHP    | 4. 7uF  | 6. 3V   | チップセラコン   | 01  |
| C514     | UF027330 | C. EL. CHP    | 33uF    | 10V     | チップケミコン   | 01  |
| C515     | US046100 | C. CE. CHP    | 1uF     | 25V     | チップセラコン   | 01  |
| C516     | WG251600 | C. CE. CHP    | 4. 7uF  | 6. 3V   | チップセラコン   | 01  |
| C517-519 | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C520     | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| C521     | UF417470 | C. EL. CHP    | 47uF    | 6. 3V   | チップケミコン   |     |
| C522-523 | US662100 | C. CE. CHP    | 100pF   | 50V     | チップセラコン   |     |
| C524     | WG251600 | C. CE. CHP    | 4. 7uF  | 6. 3V   | チップセラコン   | 01  |
| C525     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C526     | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| C527-531 | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C532-534 | US046100 | C. CE. CHP    | 1uF     | 25V     | チップセラコン   | 01  |
| C556     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C557     | US663100 | C. CE. CHP    | 1000pF  | 50V     | チップセラコン   | 01  |
| C559     | UF037330 | C. EL. CHP    | 33uF    | 16V     | チップケミコン   | 01  |
| C564     | US635100 | C. CE. CHP    | 0. 1uF  | 16V     | チップセラコン   | 01  |
| C565-567 | US634100 | C. CE. CHP    | 0. 01uF | 16V     | チップセラコン   | 01  |
| C705-706 | US662100 | C. CE. CHP    | 100pF   | 50V     | チップセラコン   |     |
| C708     | WP882000 | C. CE. CHP    | 10uF    | 6. 3V   | チップセラコン   |     |
| C709     | US126100 | C. CE. CHP    | 1uF     | 10V     | チップセラコン   | 01  |
| C710     | US634100 | C. CE. CHP    | 0. 01uF | 16V     | チップセラコン   | 01  |

\* New Parts \* 新規部品

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| Ref No.    | Part No. | Description   | Remarks      | Markets | 部 品 名     | ランク |
|------------|----------|---------------|--------------|---------|-----------|-----|
| C711       | US061150 | C. CE. CHP    | 15pF 50V B   |         | チップセラコン   | 01  |
| C712       | US634100 | C. CE. CHP    | 0. 01uF 16V  |         | チップセラコン   | 01  |
| C713       | US663100 | C. CE. CHP    | 1000pF 50V   |         | チップセラコン   | 01  |
| C714       | US126100 | C. CE. CHP    | 1uF 10V      |         | チップセラコン   | 01  |
| C715       | US061150 | C. CE. CHP    | 15pF 50V B   |         | チップセラコン   | 01  |
| C716       | US126100 | C. CE. CHP    | 1uF 10V      |         | チップセラコン   | 01  |
| C717       | US634100 | C. CE. CHP    | 0. 01uF 16V  |         | チップセラコン   | 01  |
| C718       | UB214680 | C. CE. CHP    | 0. 068uF 25V |         | チップセラコン   | 01  |
| C719       | US126100 | C. CE. CHP    | 1uF 10V      |         | チップセラコン   | 01  |
| C720       | US634100 | C. CE. CHP    | 0. 01uF 16V  |         | チップセラコン   | 01  |
| C721       | US063470 | C. CE. CHP    | 4700pF 50V B |         | チップセラコン   | 01  |
| C722       | UF037100 | C. EL. CHP    | 10uF 16V     |         | チップケミコン   | 01  |
| C723       | US625100 | C. CE. CHP    | 0. 100uF 10V |         | チップセラコン   | 01  |
| C724-725   | US035100 | C. CE. CHP    | 0. 1uF 16V B |         | チップセラコン   | 01  |
| C726       | UF437100 | C. EL. CHP    | 10uF 16V     |         | チップケミコン   | 01  |
| C727       | US625100 | C. CE. CHP    | 0. 100uF 10V |         | チップセラコン   | 01  |
| C728       | WG891800 | C. EL. CHP    | 10uF 16V     |         | チップケミコン   |     |
| C729       | WK004400 | C. CE. M. CHP | 10uF 16V     |         | チップ積層セラコン | 01  |
| C730       | US625100 | C. CE. CHP    | 0. 100uF 10V |         | チップセラコン   | 01  |
| C732-739   | US662100 | C. CE. CHP    | 100pF 50V    |         | チップセラコン   |     |
| C740       | US663100 | C. CE. CHP    | 1000pF 50V   |         | チップセラコン   | 01  |
| C741       | US662100 | C. CE. CHP    | 100pF 50V    |         | チップセラコン   |     |
| C743       | WG888300 | C. CE. M. CHP | 10uF 6. 3V   |         | チップ積層セラコン | 01  |
| C746       | US625100 | C. CE. CHP    | 0. 100uF 10V |         | チップセラコン   | 01  |
| C747-752   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C754       | US662100 | C. CE. CHP    | 100pF 50V    |         | チップセラコン   |     |
| C755-756   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C757       | WG888300 | C. CE. M. CHP | 10uF 6. 3V   |         | チップ積層セラコン | 01  |
| C758-759   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C760       | WG888300 | C. CE. M. CHP | 10uF 6. 3V   |         | チップ積層セラコン | 01  |
| C761       | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C762       | US046100 | C. CE. CHP    | 1uF 25V      |         | チップセラコン   | 01  |
| C763-768   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C769       | US046100 | C. CE. CHP    | 1uF 25V      |         | チップセラコン   | 01  |
| C770       | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C771       | US046100 | C. CE. CHP    | 1uF 25V      |         | チップセラコン   | 01  |
| * C772     | US662680 | C. CE. CHP    | 680pF 50V    |         | チップセラコン   |     |
| C773-774   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C775       | US046100 | C. CE. CHP    | 1uF 25V      |         | チップセラコン   | 01  |
| C776       | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C777       | US634100 | C. CE. CHP    | 0. 01uF 16V  |         | チップセラコン   | 01  |
| C778-786   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C787       | US663100 | C. CE. CHP    | 1000pF 50V   |         | チップセラコン   | 01  |
| C788       | WP882000 | C. CE. CHP    | 10uF 6. 3V   |         | チップセラコン   |     |
| C789       | US663100 | C. CE. CHP    | 1000pF 50V   |         | チップセラコン   | 01  |
| C790-791   | WP882000 | C. CE. CHP    | 10uF 6. 3V   |         | チップセラコン   |     |
| C792-794   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C795-797   | US663100 | C. CE. CHP    | 1000pF 50V   |         | チップセラコン   | 01  |
| C798-799   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C800-803   | US663100 | C. CE. CHP    | 1000pF 50V   |         | チップセラコン   | 01  |
| C804-808   | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C810-811   | US625100 | C. CE. CHP    | 0. 100uF 10V |         | チップセラコン   | 01  |
| C854       | US635100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01  |
| C856       | US663100 | C. CE. CHP    | 1000pF 50V   |         | チップセラコン   | 01  |
| * C861     | US662220 | C. CE. CHP    | 220pF 50V    |         | チップセラコン   | 01  |
| * C864     | US662220 | C. CE. CHP    | 220pF 50V    |         | チップセラコン   | 01  |
| * C867-868 | US662220 | C. CE. CHP    | 220pF 50V    |         | チップセラコン   | 01  |

\* New Parts \* 新規部品

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| Ref No.   | Part No. | Description     | Remarks               | Markets | 部 品 名       | ランク |
|-----------|----------|-----------------|-----------------------|---------|-------------|-----|
| C870-871  | US062560 | C. CE. CHP      | 560pF 50V B           |         | チップセラコン     | 01  |
| * C874    | US662220 | C. CE. CHP      | 220pF 50V             |         | チップセラコン     | 01  |
| C876-877  | WD758300 | C. CE. CHP      | 10uF 10V              |         | チップセラコン     | 01  |
| C882-883  | WD758300 | C. CE. CHP      | 10uF 10V              |         | チップセラコン     | 01  |
| C885      | WD758300 | C. CE. CHP      | 10uF 10V              |         | チップセラコン     | 01  |
| C894      | US046100 | C. CE. CHP      | 1uF 25V               |         | チップセラコン     | 01  |
| C907      | US046100 | C. CE. CHP      | 1uF 25V               |         | チップセラコン     | 01  |
| D102-103  | WE674800 | VARISTOR. CHP   | AVRL161A1R1NTB        |         | チップバリスタ     | 01  |
| D104      | VV220700 | DIODE. SCHOTTKY | RB501V-40             |         | ショットキーダイオード | 01  |
| D401      | WE674800 | VARISTOR. CHP   | AVRL161A1R1NTB        |         | チップバリスタ     | 01  |
| D402-409  | WP385600 | VARISTOR. CHP   | PESD0603-240          |         | チップバリスタ     |     |
| D410-412  | WE674800 | VARISTOR. CHP   | AVRL161A1R1NTB        |         | チップバリスタ     | 01  |
| D501      | VT332900 | DIODE           | 1SS355                |         | ダイオード       | 01  |
| D502      | VV220700 | DIODE. SCHOTTKY | RB501V-40             |         | ショットキーダイオード | 01  |
| IC1       | X8915B00 | IC. HDMI        | SI19185ACTU HDMI      |         | HDMI IC     |     |
| IC3       | X8560A00 | IC. HDMI        | SI19134CTU HDMI       |         | HDMI IC     |     |
| IC4       | X0199B00 | IC              | TC74VHC157FT (EL, K)  |         | ロジック IC     | 01  |
| IC5       | X7787A00 | IC              | TC74LVC245FT (EL, K)  |         | ロジック IC     | 02  |
| * IC6     | YD173A00 | IC              | NJM2888F05 5.0V       |         | 電源 IC       |     |
| IC7       | X4063A00 | IC              | TC7WHU04FU            |         | ロジック IC     |     |
| * IC25    | YD298A00 | IC              | ADV7181CBSTZ          |         | IC          |     |
| * IC26    | YC287A00 | IC              | RP130Q181D-TR-F       |         | 電源 IC       | 01  |
| * IC27    | YC825A00 | IC              | R1172S331D-E2-F       |         | 電源 IC       |     |
| IC32      | X9745B00 | IC. MEMORY      | M12L128168A-5TG2T     |         | メモリ IC      | 07  |
| IC33      | X9292A00 | IC              | R1172H121D-T1-F       |         | 電源 IC       | 01  |
| IC35      | X8378A00 | IC              | TC7SH125FU (TE85L, F) |         | ロジック IC     | 01  |
| IC42      | X9292A00 | IC              | R1172H121D-T1-F       |         | 電源 IC       | 01  |
| * IC43    | YC288A00 | IC              | RP130Q331D-TR-F       |         | 電源 IC       | 01  |
| * IC44-45 | YD184B00 | IC              | BD9329AEFJ DC/DC      |         | 電源 IC       |     |
| IC47      | X8368A00 | IC              | PCA9517DP             |         | ロジック IC     |     |
| * IC48    | YC289A00 | IC              | RP130Q501D-TR         |         | 電源 IC       | 01  |
| IC51      | X7942B00 | IC              | TC74VHC273FT (EL, K)  |         | ロジック IC     | 01  |
| IC53      | X7942B00 | IC              | TC74VHC273FT (EL, K)  |         | ロジック IC     | 01  |
| * IC54    | YC288A00 | IC              | RP130Q331D-TR-F       |         | 電源 IC       | 01  |
| IC55      | YA739A00 | IC. MEMORY      | LE25LB2562M-TLM-E     |         | メモリ IC      | 04  |
| * IC56    | YC288A00 | IC              | RP130Q331D-TR-F       |         | 電源 IC       | 01  |
| * IC58    | YD376C00 | IC. MEMORY      | EN29LV320BB-70TIP     | written | メモリー IC     |     |
| IC60      | XW633A00 | IC              | TC7SH32FU             |         | ロジック IC     | 01  |
| IC61      | XZ493A00 | IC              | TC74VHC86FT (EL) EX   |         | ロジック IC     | 02  |
| IC62      | X4453A00 | IC              | SN74LVC1G17DCKR       |         | ロジック IC     | 01  |
| IC64      | XV891B00 | IC              | TC74VHC08FT (EL, K)   |         | ロジック IC     | 01  |
| IC71      | X9870A00 | IC              | PCM1681PWPR           |         | IC          | 07  |
| * IC72    | YC213A00 | IC              | PCM9210PTR            |         | IC          |     |
| IC75      | X9292A00 | IC              | R1172H121D-T1-F       |         | 電源 IC       | 01  |
| * IC76    | YC288A00 | IC              | RP130Q331D-TR-F       |         | 電源 IC       | 01  |
| IC77      | X0199B00 | IC              | TC74VHC157FT (EL, K)  |         | ロジック IC     | 01  |
| * IC78    | YC289A00 | IC              | RP130Q501D-TR         |         | 電源 IC       | 01  |
| IC79      | X9625B00 | IC. MEMORY      | M12L64164A-5TG        |         | メモリ IC      | 05  |
| * IC80    | YD375C00 | IC. MEMORY      | MX29LV160DBT1-70G     | written | メモリー IC     |     |
| IC81      | XV891B00 | IC              | TC74VHC08FT (EL, K)   |         | ロジック IC     | 01  |
| IC82      | XR680A00 | IC              | TC7SH08FU (TE85L, JF) |         | ロジック IC     | 01  |
| IC86      | YA255A00 | IC              | R1172H501D-T1-F       |         | 電源 IC       | 03  |
| * IC88    | YC291A00 | IC              | R1172N501D-TR-F       |         | 電源 IC       | 02  |
| PN51      | WS488500 | STYLE. PIN      | L=90 #18              |         | スタイルピン      | 01  |
| PN55-56   | WS488500 | STYLE. PIN      | L=90 #18              |         | スタイルピン      | 01  |
| Q101-110  | VQ986700 | TR              | 2SC4081 T106          |         | トランジスタ      | 01  |
| Q251      | WQ381000 | FET             | MCH6336-TL-E          |         | MOS FET     | 01  |

\* New Parts \* 新規部品

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| Ref No.    | Part No. | Description | Remarks            | Markets | 部 品 名         | ランク |
|------------|----------|-------------|--------------------|---------|---------------|-----|
| Q252       | VR936300 | TR          | 2SA1576A T106      |         | トランジスタ        | 01  |
| Q253       | WE834500 | FET         | UPA672T-T1-A       |         | F E T         | 01  |
| Q401-402   | VQ986700 | TR          | 2SC4081 T106       |         | トランジスタ        | 01  |
| * Q403     | WW782100 | TR. DGT     | DTC014EUBTL        |         | デジタルトランジスタ    |     |
| * Q404     | WW782000 | TR. DGT     | DTA044EUBTL        |         | デジタルトランジスタ    |     |
| Q501       | VR936300 | TR          | 2SA1576A T106      |         | トランジスタ        | 01  |
| Q502       | VQ986700 | TR          | 2SC4081 T106       |         | トランジスタ        | 01  |
| Q503       | VR936300 | TR          | 2SA1576A T106      |         | トランジスタ        | 01  |
| Q504       | VQ986700 | TR          | 2SC4081 T106       |         | トランジスタ        | 01  |
| Q505       | VR936300 | TR          | 2SA1576A T106      |         | トランジスタ        | 01  |
| Q506       | VQ986700 | TR          | 2SC4081 T106       |         | トランジスタ        | 01  |
| Q507       | VR936300 | TR          | 2SA1576A T106      |         | トランジスタ        | 01  |
| Q508       | VQ986700 | TR          | 2SC4081 T106       |         | トランジスタ        | 01  |
| Q509-510   | VR936300 | TR          | 2SA1576A T106      |         | トランジスタ        | 01  |
| * Q511     | WW782300 | TR. DGT     | DTC044EUBTL        |         | デジタルトランジスタ    |     |
| Q512-514   | VR936300 | TR          | 2SA1576A T106      |         | トランジスタ        | 01  |
| Q515       | WC529400 | TR          | KTC3875S Y GR RTK  |         | トランジスタ        | 01  |
| * Q701     | WQ381000 | FET         | MCH6336-TL-E       |         | MOS F E T     | 01  |
| * Q702     | WW782000 | TR. DGT     | DTA044EUBTL        |         | デジタルトランジスタ    |     |
| * Q855     | WW782100 | TR. DGT     | DTC014EUBTL        |         | デジタルトランジスタ    |     |
| * Q856     | WW782000 | TR. DGT     | DTA044EUBTL        |         | デジタルトランジスタ    |     |
| R476       | WB784700 | R. MTL. FLM | 6. 8Ω 1W           |         | 金属被膜抵抗        | 01  |
| R504       | RD356220 | R. CHP      | 2. 2KΩ 1/16W       | V571    | チップ抵抗         | 01  |
| R504       | RD356390 | R. CHP      | 3. 9KΩ 1/16W       | 5064    | チップ抵抗         | 01  |
| XL25       | VZ772700 | RSNR. CRY   | 28. 63636MHz       |         | 水晶振動子         | 03  |
| XL31       | WK841200 | RESONATOR   | 27MHz DS0321SRAB   |         | 水晶発振器         | 05  |
| XL41       | WB872100 | RSNR. CRY   | 16. 9344MHz        |         | 水晶振動子         | 03  |
| XL51       | WA782500 | RSNR. CE    | 8. 000MHz          |         | セラミック振動子      | 01  |
| XL71       | V3625700 | RSNR. CRY   | 24. 576MHz         |         | 水晶振動子         | 03  |
| *          | WW919500 | P. C. B.    | OPERATION          | J       | PCB OPERATION |     |
| *          | WW919600 | P. C. B.    | OPERATION          | UCTKAL  | PCB OPERATION |     |
| *          | WW919800 | P. C. B.    | OPERATION          | R       | PCB OPERATION |     |
| *          | WW919900 | P. C. B.    | OPERATION          | BGF     | PCB OPERATION |     |
| CB402      | VF982300 | CN. BS. PIN | 17P                |         | F F Cコネクター    | 01  |
| CB405      | VQ047200 | CN. BS. PIN | 9P                 |         | F F Cコネクター    | 01  |
| CB442      | VB858300 | CN. BS. PIN | 4P                 |         | コネクタベースポスト    | 01  |
| CB451      | WQ680200 | CN. USB     | 4P TE AAPVA004C0   |         | USBコネクター      | 02  |
| CB461      | WD398400 | CN. DIN     | 14P YKF45-3011     | J       | D I Nコネクター    | 05  |
| CB461      | WD398400 | CN. DIN     | 14P YKF45-3011     |         | D I Nコネクター    | 05  |
| CB462      | WD398400 | CN. DIN     | 14P YKF45-3011     | J       | D I Nコネクター    | 05  |
| CB462-463  | WD398400 | CN. DIN     | 14P YKF45-3011     |         | D I Nコネクター    | 05  |
| CB463      | WD398400 | CN. DIN     | 14P YKF45-3011     | J       | D I Nコネクター    | 05  |
| CB464      | VQ045000 | CN. BS. PIN | 20P                |         | F F Cコネクター    | 01  |
| CB464      | VQ045000 | CN. BS. PIN | 20P                | J       | F F Cコネクター    | 01  |
| CB481      | VQ044100 | CN. BS. PIN | 5P                 | BGF     | F F Cコネクター    | 01  |
| CB492-493  | WN077700 | CLIP. FUSE  | CLIP PFC5000-0202F | R       | ヒューズクリップ      |     |
| C4001      | US065100 | C. CE. CHP  | 0. 1uF 50V B       |         | チップセラコン       | 01  |
| C4002      | US163100 | C. CE. CHP  | 1000pF 50V         |         | チップセラコン       | 01  |
| C4003-4004 | US135100 | C. CE. CHP  | 0. 1uF 16V         |         | チップセラコン       | 01  |
| C4005      | UM388100 | C. EL       | 100uF 10V          |         | ケミコン          | 01  |
| C4007      | UR268220 | C. EL       | 220uF 50V          |         | ケミコン          | 01  |
| C4008      | UM388330 | C. EL       | 330uF 6. 3V        |         | ケミコン          | 01  |
| C4009      | US135100 | C. CE. CHP  | 0. 1uF 16V         |         | チップセラコン       | 01  |
| C4010      | US061680 | C. CE. CHP  | 68pF 50V B         |         | チップセラコン       | 01  |

\* New Parts \* 新規部品

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| Ref No.      | Part No. | Description | Remarks       | Markets | 部 品 名   | ランク |
|--------------|----------|-------------|---------------|---------|---------|-----|
| C4011        | US065100 | C. CE. CHP  | 0. 1uF 50V B  |         | チップセラコン | 01  |
| C4012        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4013        | US065100 | C. CE. CHP  | 0. 1uF 50V B  |         | チップセラコン | 01  |
| C4015        | UM417100 | C. EL       | 10uF 50V      |         | ケミコン    | 01  |
| C4016        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4017        | US065100 | C. CE. CHP  | 0. 1uF 50V B  |         | チップセラコン | 01  |
| C4018        | US135100 | C. CE. CHP  | 0. 1uF 16V    |         | チップセラコン | 01  |
| C4019        | US062220 | C. CE. CHP  | 220pF 50V B   |         | チップセラコン | 01  |
| C4020-4021   | US135100 | C. CE. CHP  | 0. 1uF 16V    |         | チップセラコン | 01  |
| C4022        | US062100 | C. CE. CHP  | 100pF 50V B   |         | チップセラコン | 01  |
| C4024        | US062100 | C. CE. CHP  | 100pF 50V B   |         | チップセラコン | 01  |
| C4025-4027   | US135100 | C. CE. CHP  | 0. 1uF 16V    |         | チップセラコン | 01  |
| C4028-4029   | US063680 | C. CE. CHP  | 6800pF 50V B  |         | チップセラコン | 01  |
| C4030        | US135100 | C. CE. CHP  | 0. 1uF 16V    |         | チップセラコン | 01  |
| C4101        | US063100 | C. CE. CHP  | 1000pF 50V B  |         | チップセラコン | 01  |
| C4102        | UM397100 | C. EL       | 10uF 16V      |         | ケミコン    | 01  |
| C4103        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4104        | WV360900 | C. EL       | 22uF 16V      |         | ケミコン    |     |
| C4105        | US062100 | C. CE. CHP  | 100pF 50V B   |         | チップセラコン | 01  |
| C4106        | UM397470 | C. EL       | 47uF 16V      |         | ケミコン    | 01  |
| C4107        | US061330 | C. CE. CHP  | 33pF 50V B    |         | チップセラコン | 01  |
| C4110-4111   | WV360900 | C. EL       | 22uF 16V      |         | ケミコン    |     |
| C4112        | UM397100 | C. EL       | 10uF 16V      |         | ケミコン    | 01  |
| C4201-4202   | US063100 | C. CE. CHP  | 1000pF 50V B  |         | チップセラコン | 01  |
| * C4251-4252 | WV365200 | C. MYLAR    | 3300pF 50V    |         | マイラーコン  |     |
| C4253        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4254        | US063100 | C. CE. CHP  | 1000pF 50V B  |         | チップセラコン | 01  |
| C4301        | US062100 | C. CE. CHP  | 100pF 50V B   |         | チップセラコン | 01  |
| C4302        | US063100 | C. CE. CHP  | 1000pF 50V B  |         | チップセラコン | 01  |
| C4304        | WD758300 | C. CE. CHP  | 10uF 10V      |         | チップセラコン | 01  |
| C4306        | US126100 | C. CE. CHP  | 1uF 10V       |         | チップセラコン | 01  |
| C4307        | UM398100 | C. EL       | 100uF 16V     |         | ケミコン    | 01  |
| C4308-4311   | WD758300 | C. CE. CHP  | 10uF 10V      |         | チップセラコン | 01  |
| C4351        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4351        | US064100 | C. CE. CHP  | 0. 01uF 50V B | J       | チップセラコン | 01  |
| C4352        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4352-4353   | US064100 | C. CE. CHP  | 0. 01uF 50V B | J       | チップセラコン | 01  |
| C4353-4354   | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4354        | US064100 | C. CE. CHP  | 0. 01uF 50V B | J       | チップセラコン | 01  |
| C4355        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4355        | US064100 | C. CE. CHP  | 0. 01uF 50V B | J       | チップセラコン | 01  |
| C4356        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4356        | US064100 | C. CE. CHP  | 0. 01uF 50V B | J       | チップセラコン | 01  |
| C4357        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4357        | US064100 | C. CE. CHP  | 0. 01uF 50V B | J       | チップセラコン | 01  |
| C4358        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4358        | US064100 | C. CE. CHP  | 0. 01uF 50V B | J       | チップセラコン | 01  |
| C4359        | US064100 | C. CE. CHP  | 0. 01uF 50V B |         | チップセラコン | 01  |
| C4359        | US064100 | C. CE. CHP  | 0. 01uF 50V B | J       | チップセラコン | 01  |
| C4360        | US060800 | C. CE. CHP  | 8pF 50V B     |         | チップセラコン | 01  |
| C4360-4361   | US060800 | C. CE. CHP  | 8pF 50V B     | J       | チップセラコン | 01  |
| C4361        | US060800 | C. CE. CHP  | 8pF 50V B     |         | チップセラコン | 01  |
| C4362        | US060800 | C. CE. CHP  | 8pF 50V B     | J       | チップセラコン | 01  |
| C4362        | US060800 | C. CE. CHP  | 8pF 50V B     |         | チップセラコン | 01  |
| C4363        | UR237100 | C. EL       | 10uF 16V      | J       | ケミコン    |     |
| C4363-4364   | UR237100 | C. EL       | 10uF 16V      |         | ケミコン    |     |
| C4364        | UR237100 | C. EL       | 10uF 16V      | J       | ケミコン    |     |

\* New Parts \* 新規部品

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| Ref No.      | Part No. | Description | Remarks              | Markets | 部 品 名      | ランク |
|--------------|----------|-------------|----------------------|---------|------------|-----|
| C4365        | US135100 | C. CE. CHP  | 0. 1uF 16V           | J       | チップセラコン    | 01  |
| C4365        | US135100 | C. CE. CHP  | 0. 1uF 16V           |         | チップセラコン    | 01  |
| C4366        | US135100 | C. CE. CHP  | 0. 1uF 16V           | J       | チップセラコン    | 01  |
| C4366        | US135100 | C. CE. CHP  | 0. 1uF 16V           |         | チップセラコン    | 01  |
| C4451        | US064100 | C. CE. CHP  | 0. 01uF 50V B        | BGF     | チップセラコン    | 01  |
| C4452        | UR837470 | C. EL       | 47uF 16V             | BGF     | ケミコン       | 01  |
| C4453        | US062120 | C. CE. CHP  | 120pF 50V B          | BGF     | チップセラコン    | 01  |
| C4454        | US062220 | C. CE. CHP  | 220pF 50V B          | BGF     | チップセラコン    | 01  |
| C4455        | UR837100 | C. EL       | 10uF 16V             | BGF     | ケミコン       | 01  |
| C4456        | US135100 | C. CE. CHP  | 0. 1uF 16V           | BGF     | チップセラコン    | 01  |
| D4003-4004   | VT332900 | DIODE       | 1SS355               |         | ダイオード      | 01  |
| D4005-4006   | WS693300 | DIODE. ZENR | HZU4. 3B3 TRF-E      |         | ツェナーダイオード  | 01  |
| D4007-4010   | VT332900 | DIODE       | 1SS355               |         | ダイオード      | 01  |
| D4101-4102   | VT332900 | DIODE       | 1SS355               |         | ダイオード      | 01  |
| D4103        | VU171900 | DIODE. ZENR | UDZS5. 1B 5. 1V      |         | ツェナーダイオード  | 01  |
| D4104        | WR095700 | LED         | 8224-10SDRD/S530A3   |         | L E D      | 01  |
| D4251-4252   | VT332900 | DIODE       | 1SS355               |         | ダイオード      | 01  |
| D4301-4303   | VT332900 | DIODE       | 1SS355               |         | ダイオード      | 01  |
| D4355        | VT332900 | DIODE       | 1SS355               |         | ダイオード      | 01  |
| D4355        | VT332900 | DIODE       | 1SS355               | J       | ダイオード      | 01  |
| D4356        | VT332900 | DIODE       | 1SS355               |         | ダイオード      | 01  |
| D4356        | VT332900 | DIODE       | 1SS355               | J       | ダイオード      | 01  |
| D4451-4452   | VT332900 | DIODE       | 1SS355               | BGF     | ダイオード      | 01  |
| △ F4501      | VV071700 | FUSE        | 3. 15A 250V          | R       | ヒューズ       | 01  |
| IC401        | X6386A00 | IC          | M66003-0131FP        |         | I C        | 07  |
| IC402        | XR336A00 | IC          | TC7W14F TE12L        |         | ロジック I C   | 02  |
| IC403        | XR680A00 | IC          | TC7SH08FU (TE85L, JF |         | ロジック I C   | 01  |
| IC421        | X7378A00 | IC          | NJM4565M (TE1)       |         | アンプ I C    | 01  |
| IC451        | YA255A00 | IC          | R1172H501D-T1-F      |         | 電源 I C     | 03  |
| IC461        | XY879A00 | IC          | TC74HC4053AF (EL)    |         | ロジック I C   | 03  |
| IC461        | XY879A00 | IC          | TC74HC4053AF (EL)    | J       | ロジック I C   | 03  |
| IC481        | XZ509A00 | IC          | TC74VHC04FT INVER    | BGF     | ロジック I C   | 01  |
| JK421        | WJ117300 | JACK. MNI   | MSJ-2200C AG         |         | ミニジャック     |     |
| JK441        | V9408200 | JACK. PHONE | MSJ-064-05B GR       |         | ヘッドホンジャック  |     |
| JK481        | V6931000 | CN. DIN     | 1P YKF51-5506        | BGF     | 1 連 S 端子   | 02  |
| PJ401        | WJ117500 | JACK. PIN   | 3P                   |         | ピンジャック     | 03  |
| PN451        | WS488500 | STYLE. PIN  | L=90 #18             |         | スタイルピン     | 01  |
| Q4001-4008   | WC529400 | TR          | KTC3875S Y GR RTK    |         | トランジスタ     | 01  |
| Q4009-4011   | VV655400 | TR. DGT     | DTC114EKA            |         | デジタルトランジスタ | 01  |
| Q4101        | WC529400 | TR          | KTC3875S Y GR RTK    |         | トランジスタ     | 01  |
| Q4351        | VV556400 | TR          | 2SC2412K Q, R, S     |         | トランジスタ     | 01  |
| Q4351        | VV556400 | TR          | 2SC2412K Q, R, S     | J       | トランジスタ     | 01  |
| * R4042-4043 | WW969500 | R. MTL. OXD | 120Ω 1/4W            |         | 酸化金属被膜抵抗   |     |
| R4253-4254   | V8071300 | R. MTL. FLM | 470Ω 1W              |         | 金属被膜抵抗     | 01  |
| SW401-418    | WD483100 | SW. TACT    | SKRGAAD010           |         | タクトスイッチ    | 01  |
| SW421        | WD483100 | SW. TACT    | SKRGAAD010           |         | タクトスイッチ    | 01  |
| SW431        | WD483100 | SW. TACT    | SKRGAAD010           |         | タクトスイッチ    | 01  |
| SW432        | V9597100 | SW. RT. ENC | EC12E2460802         |         | ロータリーエンコーダ | 04  |
| △ SW491      | WV382900 | SW. SLIDE   | SL14                 | R       | スライドスイッチ   |     |
| U4001        | WQ600700 | L. DTCT     | SM3385VMH6           |         | リモコン受光ユニット | 03  |
| * V4001      | WW890900 | FL. DSPLY   | 18-MT-11GNK          |         | 蛍光表示管      |     |
|              | V6007100 | FL. SPACER  | 10x32x4. 6           |         | F L スペース   |     |

\* New Parts \* 新規部品

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| Ref No. | Part No.   | Description          | Remarks       | Markets         | 部 品 名         | ランク |
|---------|------------|----------------------|---------------|-----------------|---------------|-----|
| *<br>*  | WW917400   | P. C. B.             | MAIN          |                 | P C B M A I N |     |
|         | WW917500   | P. C. B.             | MAIN          | JRTKABGFL<br>UC | P C B M A I N |     |
|         | CB152      | VQ962900 CN. BS. PIN | 8P            |                 | コネクタ          | 01  |
|         | CB153      | VQ963900 CN. BS. PIN | 18P           |                 | コネクタ          | 03  |
|         | CB154      | VQ963600 CN. BS. PIN | 15P           |                 | コネクタ          | 01  |
|         | C1000-1006 | UR267100 C. EL       | 10uF 50V      |                 | ケミコン          |     |
|         | C1007      | WJ610200 C. MYLAR    | 0. 01uF 100V  |                 | マイラーコン        | 01  |
|         | C1008      | WJ608500 C. MYLAR    | 470pF 100V    |                 | マイラーコン        | 01  |
|         | C1009      | UR277220 C. EL       | 22uF 63V      |                 | ケミコン          | 01  |
|         | C1010      | WJ608500 C. MYLAR    | 470pF 100V    |                 | マイラーコン        | 01  |
| △       | C1011      | UR297100 C. EL       | 10uF 100V     |                 | ケミコン          |     |
|         | C1012-1013 | WJ608500 C. MYLAR    | 470pF 100V    |                 | マイラーコン        | 01  |
| △       | C1014-1015 | UR297100 C. EL       | 10uF 100V     |                 | ケミコン          |     |
|         | C1016      | UR277220 C. EL       | 22uF 63V      |                 | ケミコン          | 01  |
|         | C1017-1019 | UR297100 C. EL       | 10uF 100V     |                 | ケミコン          |     |
|         | C1020-1022 | WJ608500 C. MYLAR    | 470pF 100V    |                 | マイラーコン        | 01  |
|         | C1024      | UR267330 C. EL       | 33uF 50V      |                 | ケミコン          | 01  |
|         | C1026      | UR267330 C. EL       | 33uF 50V      |                 | ケミコン          | 01  |
|         | C1028-1029 | UR267330 C. EL       | 33uF 50V      |                 | ケミコン          | 01  |
|         | C1031      | UR267330 C. EL       | 33uF 50V      |                 | ケミコン          | 01  |
|         | C1033      | UR267330 C. EL       | 33uF 50V      |                 | ケミコン          | 01  |
|         | C1035      | UR297100 C. EL       | 10uF 100V     |                 | ケミコン          |     |
|         | C1036      | FG650500 C. CE       | 5pF 50V       |                 | セラコン          | 01  |
|         | C1038      | UR267330 C. EL       | 33uF 50V      |                 | ケミコン          | 01  |
|         | C1039      | UR266100 C. EL       | 1uF 50V       |                 | ケミコン          | 01  |
|         | C1040-1045 | FG650500 C. CE       | 5pF 50V       |                 | セラコン          | 01  |
|         | C1046-1052 | WP421000 C. PP       | 0. 047uF 100V |                 | P P コン        |     |
|         | C1053      | UR866470 C. EL       | 4. 7uF 50V    |                 | ケミコン          | 01  |
|         | C1054      | UR828220 C. EL       | 220uF 10V     |                 | ケミコン          | 01  |
| △       | C1055-1056 | WG399600 C. EL       | 6800uF 63V    |                 | ケミコン          |     |
|         | C1057-1058 | UR267100 C. EL       | 10uF 50V      |                 | ケミコン          |     |
|         | C1059-1060 | UR266100 C. EL       | 1uF 50V       |                 | ケミコン          | 01  |
|         | C1061      | UR858100 C. EL       | 100uF 35V     |                 | ケミコン          | 01  |
|         | C1062      | UR248470 C. EL       | 470uF 25V     |                 | ケミコン          | 01  |
|         | C1063-1064 | WJ611400 C. MYLAR    | 0. 1uF 100V J |                 | マイラーコン        | 01  |
|         | C1065      | UR249330 C. EL       | 3300uF 25V    |                 | ケミコン          |     |
|         | C1066      | UR249100 C. EL       | 1000uF 25V    |                 | ケミコン          | 01  |
|         | C1067-1068 | WN165500 C. PP       | 0. 022uF 100V |                 | P P コン        | 01  |
|         | C1069      | US035100 C. CE. CHP  | 0. 1uF 16V B  |                 | チップセラコン       | 01  |
|         | C1509      | UR267470 C. EL       | 47uF 50V      |                 | ケミコン          | 01  |
|         | C1510-1512 | US035100 C. CE. CHP  | 0. 1uF 16V B  |                 | チップセラコン       | 01  |
|         | C1513-1514 | US061220 C. CE. CHP  | 22pF 50V B    |                 | チップセラコン       | 01  |
|         | C1515-1516 | US035100 C. CE. CHP  | 0. 1uF 16V B  |                 | チップセラコン       | 01  |
|         | C1517-1520 | US062220 C. CE. CHP  | 220pF 50V B   |                 | チップセラコン       | 01  |
|         | C1521      | UR837100 C. EL       | 10uF 16V      |                 | ケミコン          | 01  |
|         | C1522      | US061470 C. CE. CHP  | 47pF 50V B    |                 | チップセラコン       | 01  |
|         | C1523      | UR838100 C. EL       | 100uF 16V     |                 | ケミコン          | 01  |
|         | C1524      | US061470 C. CE. CHP  | 47pF 50V B    |                 | チップセラコン       | 01  |
|         | C1525      | UR837100 C. EL       | 10uF 16V      |                 | ケミコン          | 01  |
|         | C1526-1527 | UR838100 C. EL       | 100uF 16V     |                 | ケミコン          | 01  |
|         | C1528-1529 | US062220 C. CE. CHP  | 220pF 50V B   |                 | チップセラコン       | 01  |
|         | C1530      | UR838100 C. EL       | 100uF 16V     |                 | ケミコン          | 01  |
|         | C1531      | UR837330 C. EL       | 33uF 16V      |                 | ケミコン          | 01  |
|         | C1532-1533 | UR238100 C. EL       | 100uF 16V     |                 | ケミコン          |     |
|         | C1536      | UR238100 C. EL       | 100uF 16V     |                 | ケミコン          |     |
|         | C1542      | US035100 C. CE. CHP  | 0. 1uF 16V B  |                 | チップセラコン       | 01  |
|         | C1545      | US035100 C. CE. CHP  | 0. 1uF 16V B  |                 | チップセラコン       | 01  |

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|----------------|----------|-----------------------------|---------|---------|------------|-----|
| C1553-1554     | UR267100 | C. EL 10uF 50V              |         |         | ケミコン       |     |
| C1556          | UR267100 | C. EL 10uF 50V              |         |         | ケミコン       |     |
| C1558-1559     | UR267470 | C. EL 47uF 50V              |         |         | ケミコン       | 01  |
| C1568          | VR169200 | C. MYLAR 0.47uF 50V         |         |         | マイラーコン     | 01  |
| C1572          | US062100 | C. CE. CHP 100pF 50V B      |         |         | チップセラコン    | 01  |
| C1576          | UR267100 | C. EL 10uF 50V              |         |         | ケミコン       |     |
| C1583-1584     | UR867470 | C. EL 47uF 50V              |         |         | ケミコン       | 02  |
| C1589-1590     | UR267100 | C. EL 10uF 50V              |         |         | ケミコン       |     |
| C1600-1601     | UR267100 | C. EL 10uF 50V              |         |         | ケミコン       |     |
| C1608          | US064100 | C. CE. CHP 0.01uF 50V B     |         |         | チップセラコン    | 01  |
| C1609          | UR249220 | C. EL 2200uF 25V            |         |         | ケミコン       | 02  |
| C1610          | US035100 | C. CE. CHP 0.1uF 16V B      |         | UC      | チップセラコン    | 01  |
| D1000-1001     | VD631600 | DIODE 1SS133, 176           |         |         | ダイオード      | 01  |
| D1002          | VU171900 | DIODE. ZENR UDZS5. 1B 5. 1V |         |         | ツェナーダイオード  | 01  |
| D1003-1016     | VN008700 | DIODE 1SS270A               |         |         | ダイオード      | 01  |
| △ D1017        | WA653200 | DIODE. BRG TS6P03G 6A 200V  |         |         | ブリッジダイオード  | 04  |
| △ D1018        | WH487300 | DIODE. BRG RS203M 2A 200V   |         |         | ブリッジダイオード  | 02  |
| D1019          | VD631600 | DIODE 1SS133, 176           |         |         | ダイオード      | 01  |
| D1503-1504     | VG438400 | DIODE. ZENR MTZJ6. 8C 6. 8V |         |         | ツェナーダイオード  | 01  |
| △ * IC100      | YD224A00 | IC STK433-330K-E            |         |         | パワー I C    |     |
| △ * IC101-102  | YD155A00 | IC STK433-130K-E            |         |         | アンプ I C    |     |
| IC103          | XJ608A00 | IC NJM7812FA                |         |         | I C        | 02  |
| IC104          | X4154A00 | IC KIA7912PI                |         |         | 電源 I C     | 03  |
| IC152          | XZ509A00 | IC TC74VHC04FT INVER        |         |         | ロジック I C   | 01  |
| * IC153        | YA361B00 | IC R2A15220FP               |         |         | I C        | 07  |
| IC154          | X7378A00 | IC NJM4565M (TE1)           |         |         | アンプ I C    | 01  |
| IC155          | YA381A00 | IC LM19CIZ/LF THERMAL       |         |         | 電源 I C     | 04  |
| IC156          | YA381A00 | IC LM19CIZ/LF THERMAL       |         | UC      | 電源 I C     | 04  |
| PJ150          | V9420700 | JACK. PIN 2P MSP-252V1-30NI |         |         | ピンジャック     |     |
| PJ151-152      | V7046700 | JACK. PIN 4P MSP-244V1-01NI |         |         | ピンジャック     | 03  |
| PJ159          | V7189700 | JACK. PIN 1P                |         |         | ピンジャック     | 01  |
| △ Q1000        | WC398400 | TR 2N5551C-AT               |         |         | トランジスタ     | 01  |
| △ Q1001-1002   | VC614000 | TR 2SB1274 Q, R, S          |         |         | トランジスタ     | 02  |
| △ Q1003        | WC398400 | TR 2N5551C-AT               |         |         | トランジスタ     | 01  |
| △ Q1004-1005   | WC397700 | TR 2N5401C-AT               |         |         | トランジスタ     | 01  |
| △ Q1006-1012   | WC398400 | TR 2N5551C-AT               |         |         | トランジスタ     | 01  |
| △ Q1013        | WC397700 | TR 2N5401C-AT               |         |         | トランジスタ     | 01  |
| Q1014          | iC181510 | TR 2SC1815 Y                |         |         | トランジスタ     | 01  |
| Q1015          | WC435000 | TR. DGT KRC102S-RTK         |         |         | デジタルトランジスタ | 01  |
| Q1016          | WC434900 | TR. DGT KRA104S-RTK         |         |         | デジタルトランジスタ | 01  |
| Q1501-1502     | WC883400 | TR 2SD2704 K                |         |         | トランジスタ     |     |
| Q1504          | WC883400 | TR 2SD2704 K                |         |         | トランジスタ     |     |
| Q1507          | WC883400 | TR 2SD2704 K                |         |         | トランジスタ     |     |
| Q1509          | WC883400 | TR 2SD2704 K                |         |         | トランジスタ     |     |
| Q1520-1521     | WC883400 | TR 2SD2704 K                |         |         | トランジスタ     |     |
| Q1524-1525     | WC883400 | TR 2SD2704 K                |         |         | トランジスタ     |     |
| △ * R1012-1014 | WW965300 | R. MTL. OXD 2. 2Ω 1/4W      |         |         | 酸化金属被膜抵抗   |     |
| △ * R1017      | WW971100 | R. MTL. OXD 560Ω 1/4w       |         |         | 酸化金属被膜抵抗   |     |
| △ * R1029      | WW966900 | R. MTL. OXD 10Ω 1/4W        |         |         | 酸化金属被膜抵抗   |     |
| △ * R1032      | WW966900 | R. MTL. OXD 10Ω 1/4W        |         |         | 酸化金属被膜抵抗   |     |
| △ R1046        | WP839400 | R. CEMENT 0. 22+0. 22 3W    |         |         | セメント抵抗     | 01  |
| △ R1048-1049   | WP839400 | R. CEMENT 0. 22+0. 22 3W    |         |         | セメント抵抗     | 01  |
| △ R1056        | WP839400 | R. CEMENT 0. 22+0. 22 3W    |         |         | セメント抵抗     | 01  |
| △ R1060        | WP839400 | R. CEMENT 0. 22+0. 22 3W    |         |         | セメント抵抗     | 01  |
| △ R1067-1068   | WP839400 | R. CEMENT 0. 22+0. 22 3W    |         |         | セメント抵抗     | 01  |
| * R1086        | WW966900 | R. MTL. OXD 10Ω 1/4W        |         |         | 酸化金属被膜抵抗   |     |
| * R1089-1090   | WW966900 | R. MTL. OXD 10Ω 1/4W        |         |         | 酸化金属被膜抵抗   |     |

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|---|------------|----------|--------------|------------------|---------|------------|-----|
| * | R1092      | WW966900 | R. MTL. OXD  | 10Ω 1/4W         |         | 酸化金属被膜抵抗   |     |
| * | R1095      | WW966900 | R. MTL. OXD  | 10Ω 1/4W         |         | 酸化金属被膜抵抗   |     |
| * | R1098      | WW966900 | R. MTL. OXD  | 10Ω 1/4W         |         | 酸化金属被膜抵抗   |     |
| * | R1101      | WW966900 | R. MTL. OXD  | 10Ω 1/4W         |         | 酸化金属被膜抵抗   |     |
| △ | R1103      | V8070200 | R. MTL. FLM  | 4.7Ω 1W          |         | 金属被膜抵抗     |     |
| △ | R1107-1108 | V8070200 | R. MTL. FLM  | 4.7Ω 1W          |         | 金属被膜抵抗     |     |
| △ | R1110-1111 | V8070200 | R. MTL. FLM  | 4.7Ω 1W          |         | 金属被膜抵抗     |     |
| △ | R1113-1114 | V8070200 | R. MTL. FLM  | 4.7Ω 1W          |         | 金属被膜抵抗     |     |
| * | R1504      | WW964500 | R. MTL. OXD  | 1Ω 1/4W          |         | 酸化金属被膜抵抗   |     |
| * | R1663      | WW970100 | R. MTL. OXD  | 220Ω 1/4W        |         | 酸化金属被膜抵抗   |     |
| * | R1664-1665 | WW965300 | R. MTL. OXD  | 2.2Ω 1/4W        |         | 酸化金属被膜抵抗   |     |
|   | R1666-1667 | WA621400 | R. MTL. OXD  | 82Ω 1W J         |         | 酸化金属被膜抵抗   | 01  |
|   | RY100      | WE648700 | RELAY        | DC24V DH24D2-0-Q |         | リレー        | 06  |
|   | U1500-1501 | WU204200 | CN. PHOTO. R | 1P JSR1165-D     |         | 光ファイバー受信器  |     |
|   |            | WE774200 | SCR. BND. HD | 3x10 MFZN2W3     |         | バインドBタイトネジ | 01  |
| * |            | WW917600 | P. C. B.     | VIDEO            | J       | PCB VIDEO  |     |
| * |            | WW917700 | P. C. B.     | VIDEO            | U       | PCB VIDEO  |     |
| * |            | WW917800 | P. C. B.     | VIDEO            | C       | PCB VIDEO  |     |
| * |            | WW917900 | P. C. B.     | VIDEO            | R       | PCB VIDEO  |     |
| * |            | WW918000 | P. C. B.     | VIDEO            | T       | PCB VIDEO  |     |
| * |            | WW918100 | P. C. B.     | VIDEO            | K       | PCB VIDEO  |     |
| * |            | WW918200 | P. C. B.     | VIDEO            | A       | PCB VIDEO  |     |
| * |            | WW918300 | P. C. B.     | VIDEO            | BGF     | PCB VIDEO  |     |
| * |            | WW918400 | P. C. B.     | VIDEO            | L       | PCB VIDEO  |     |
|   | CB301      | VQ047500 | CN. BS. PIN  | 20P              | J       | コネクタ       | 01  |
|   | CB302      | VQ961600 | HOUSING      | 13P              |         | ハウジング      | 01  |
|   | CB303      | VM973500 | CN. BS. PIN  | 17P              |         | コネクタ       | 01  |
|   | CB341      | VQ585500 | CN. JUMPER   | 5P               |         | ジャンパーコネクタ  | 02  |
|   | CB342      | VZ130900 | CN. JUMPER   | 4P               |         | ジャンパーコネクタ  | 01  |
|   | CB343      | VQ585700 | CN. JUMPER   | 7P               |         | ジャンパーコネクタ  | 03  |
|   | CB344      | VK024900 | CN. BS. PIN  | 52147 5P TE      |         | ワイヤートラップ   | 01  |
|   | CB348      | VK026200 | CN. BS. PIN  | 3P               |         | ワイヤートラップ   | 01  |
|   | CB371      | VG879900 | CN. BS. PIN  | 2P               |         | コネクタ       | 01  |
|   | CB372-373  | WN103000 | CLIP. FUSE   | TP00351-31       |         | ヒューズクリップ   | 01  |
|   | CB374      | VG879900 | CN. BS. PIN  | 2P               | R       | コネクタ       | 01  |
|   | CB381      | VQ963400 | CN. BS. PIN  | 13P              |         | コネクタ       | 01  |
|   | CB383      | VQ961100 | CN. BS. PIN  | 8P               |         | コネクタ       | 01  |
|   | CB384-385  | VQ963400 | CN. BS. PIN  | 13P              |         | コネクタ       | 01  |
|   | CB386      | VQ962100 | CN. BS. PIN  | 18P              |         | コネクタ       | 03  |
|   | CB387      | VQ963700 | CN. BS. PIN  | 16P              |         | コネクタ       | 02  |
|   | CB388      | VQ961800 | CN. BS. PIN  | 15P              |         | コネクタ       | 01  |
|   | CB390      | VQ044400 | CN. BS. PIN  | 9P               |         | コネクタ       | 01  |
|   | C3001      | US062100 | C. CE. CHP   | 100pF 50V B      |         | チップセラコン    | 01  |
|   | C3002-3004 | US060800 | C. CE. CHP   | 8pF 50V B        |         | チップセラコン    | 01  |
|   | C3005      | US062100 | C. CE. CHP   | 100pF 50V B      |         | チップセラコン    | 01  |
|   | C3006      | UR237470 | C. EL        | 47uF 16V         |         | ケミコン       | 01  |
|   | C3007-3008 | US135100 | C. CE. CHP   | 0.1uF 16V        |         | チップセラコン    | 01  |
|   | C3009-3011 | WD758300 | C. CE. CHP   | 10uF 10V         |         | チップセラコン    | 01  |
|   | C3012      | UR237470 | C. EL        | 47uF 16V         |         | ケミコン       | 01  |
|   | C3013-3015 | WD758300 | C. CE. CHP   | 10uF 10V         |         | チップセラコン    | 01  |
|   | C3016-3018 | US060300 | C. CE. CHP   | 3pF 50V B        |         | チップセラコン    | 01  |
|   | C3019-3021 | WD758300 | C. CE. CHP   | 10uF 10V         |         | チップセラコン    | 01  |
|   | C3022      | UR237100 | C. EL        | 10uF 16V         |         | ケミコン       | 01  |
|   | C3023      | US135100 | C. CE. CHP   | 0.1uF 16V        |         | チップセラコン    | 01  |

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|--------------|----------|---------------|----------|---------|------------------------|-----|
| C3025        | US135100 | C. CE. CHP    | 0. 1uF   | 16V     | チップセラコン                | 01  |
| C3026        | UR837470 | C. EL         | 47uF     | 16V     | ケミコン                   | 01  |
| C3027        | UR237100 | C. EL         | 10uF     | 16V     | ケミコン                   |     |
| C3028        | UR837470 | C. EL         | 47uF     | 16V     | ケミコン                   | 01  |
| C3029-3030   | US135100 | C. CE. CHP    | 0. 1uF   | 16V     | チップセラコン                | 01  |
| C3031        | UR837470 | C. EL         | 47uF     | 16V     | ケミコン                   | 01  |
| C3033        | US135100 | C. CE. CHP    | 0. 1uF   | 16V     | チップセラコン                | 01  |
| C3034        | UR238220 | C. EL         | 220uF    | 16V     | ケミコン                   | 01  |
| C3035        | US135100 | C. CE. CHP    | 0. 1uF   | 16V     | チップセラコン                | 01  |
| C3036        | UR238220 | C. EL         | 220uF    | 16V     | ケミコン                   | 01  |
| C3037-3038   | US135100 | C. CE. CHP    | 0. 1uF   | 16V     | チップセラコン                | 01  |
| C3039        | UR237470 | C. EL         | 47uF     | 16V     | ケミコン                   | 01  |
| C3040-3042   | US135100 | C. CE. CHP    | 0. 1uF   | 16V     | チップセラコン                | 01  |
| C3043        | UR238220 | C. EL         | 220uF    | 16V     | ケミコン                   | 01  |
| C3044        | US135100 | C. CE. CHP    | 0. 1uF   | 16V     | チップセラコン                | 01  |
| C3401        | UR278100 | C. EL         | 100uF    | 63V     | ケミコン                   | 01  |
| C3402        | UR866100 | C. EL         | 1uF      | 50V     | ケミコン                   | 01  |
| C3403        | UR267100 | C. EL         | 10uF     | 50V     | ケミコン                   |     |
| C3404        | UR268100 | C. EL         | 100uF    | 50V     | ケミコン                   |     |
| C3405        | UR866100 | C. EL         | 1uF      | 50V     | ケミコン                   | 01  |
| C3406        | WJ610200 | C. MYLAR      | 0. 01uF  | 100V    | マイラーコン                 | 01  |
| C3407-3408   | WJ611400 | C. MYLAR      | 0. 1uF   | 100V J  | マイラーコン                 | 01  |
| C3409-3414   | WJ610200 | C. MYLAR      | 0. 01uF  | 100V    | マイラーコン                 | 01  |
| C3415-3417   | WJ609700 | C. MYLAR      | 4700pF   | 100V    | マイラーコン                 | 01  |
| * C3418-3422 | WJ610400 | C. MYLAR      | 0. 015uF | 100V    | マイラーコン                 |     |
| C3423        | WJ609700 | C. MYLAR      | 4700pF   | 100V    | マイラーコン                 | 01  |
| C3424-3425   | WG601700 | C. EL         | 4700uF   | 16V     | ケミコン                   | 02  |
| C3426-3427   | UR266100 | C. EL         | 1uF      | 50V     | ケミコン                   | 01  |
| C3428-3429   | UR237330 | C. EL         | 33uF     | 16V     | ケミコン                   |     |
| △ C3701      | WJ361200 | C. POL. MTL   | 0. 047uF | 400V    | JUC<br>メタライズドポリコン      |     |
| △ C3701      | WJ361800 | C. POL. MTL   | 0. 022uF | 630V    | RTKABGFL<br>メタライズドポリコン |     |
| △ C3702-3703 | WQ902300 | C. CE. SAFTY  | 1000pF   | 250V    | 規格認定コンデンサ              | 01  |
| △ C3704      | V5877700 | C. MYLAR      | 0. 22uF  | 250V    | マイラーコン                 | 03  |
| △ * C3705    | WJ610400 | C. MYLAR      | 0. 015uF | 100V    | マイラーコン                 |     |
| △ * C3706    | WW751600 | C. EL         | 120uF    | 220V    | JUC<br>ケミコン            |     |
| △ * C3706    | WW751700 | C. EL         | 100uF    | 400V    | R<br>ケミコン              |     |
| △ C3706      | WQ852500 | C. EL         | 68uF     | 400V    | TKABGFL<br>ケミコン        |     |
| △ C3707      | WQ939400 | C. CE. SAFTY  | 0. 01uF  | 250V    | 規格認定コンデンサ              | 01  |
| △ C3708      | UR867220 | C. EL         | 22uF     | 50V     | ケミコン                   | 01  |
| △ C3709-3710 | WJ322300 | C. CE. M. CHP | 1000pF   | 630V    | チップ積層セラコン              | 01  |
| △ C3711      | WQ902200 | C. CE. SAFTY  | 2200pF   | 250V    | 規格認定コンデンサ              | 01  |
| △ C3712      | WJ361200 | C. POL. MTL   | 0. 047uF | 400V    | JUC<br>メタライズドポリコン      |     |
| △ C3712      | WJ361800 | C. POL. MTL   | 0. 022uF | 630V    | RTKABGFL<br>メタライズドポリコン |     |
| C3713        | WJ322300 | C. CE. M. CHP | 1000pF   | 630V    | チップ積層セラコン              | 01  |
| * C3714-3715 | WH772400 | C. EL         | 2200uF   | 10V     | ケミコン                   |     |
| C3716        | US034470 | C. CE. CHP    | 0. 047uF | 16V B   | チップセラコン                | 01  |
| * C3718      | WH771600 | C. EL         | 220uF    | 10V     | ケミコン                   |     |
| C3719        | US064100 | C. CE. CHP    | 0. 01uF  | 50V B   | チップセラコン                | 01  |
| C3720        | US046100 | C. CE. CHP    | 1uF      | 25V     | チップセラコン                | 01  |
| C3721        | WJ335500 | C. EL         | 2. 2uF   | 50V     | ケミコン                   | 01  |
| C3723        | US064100 | C. CE. CHP    | 0. 01uF  | 50V B   | チップセラコン                | 01  |
| C3725        | WJ608900 | C. MYLAR      | 1000pF   | 100V    | マイラーコン                 | 01  |
| C3801-3802   | UR867100 | C. EL         | 10uF     | 50V     | ケミコン                   | 01  |
| C3803-3804   | WJ608800 | C. MYLAR      | 820pF    | 100V    | マイラーコン                 |     |
| C3806        | UU238100 | C. EL         | 100uF    | 16V     | ケミコン                   | 01  |
| C3807        | UU237100 | C. EL         | 10uF     | 16V     | ケミコン FW                | 01  |
| C3808        | US062100 | C. CE. CHP    | 100pF    | 50V B   | チップセラコン                | 01  |

\* New Parts \* 新規部品

## VIDEO

| Ref No.      | Part No. | Description     | Remarks           | Markets | 部 品 名       | ランク |
|--------------|----------|-----------------|-------------------|---------|-------------|-----|
| C3809-3810   | UR257100 | C. EL           | 10uF 35V          |         | ケミコン        | 01  |
| * C3811      | WJ608700 | C. MYLAR        | 680pF 100V        |         | マイラーコン      |     |
| C3813        | UU257470 | C. EL           | 47uF 35V          |         | ケミコン FW     | 01  |
| C3815        | UU257470 | C. EL           | 47uF 35V          |         | ケミコン FW     | 01  |
| * C3816      | WJ608700 | C. MYLAR        | 680pF 100V        |         | マイラーコン      |     |
| C3817-3818   | UR257100 | C. EL           | 10uF 35V          |         | ケミコン        | 01  |
| C3819-3820   | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3821-3822   | UR257100 | C. EL           | 10uF 35V          |         | ケミコン        | 01  |
| * C3823      | WJ608700 | C. MYLAR        | 680pF 100V        |         | マイラーコン      |     |
| C3826        | WJ611000 | C. MYLAR        | 0.047uF 100V      |         | マイラーコン      |     |
| C3827-3828   | UR257100 | C. EL           | 10uF 35V          |         | ケミコン        | 01  |
| C3829        | WJ609900 | C. MYLAR        | 6800pF 100V       |         | マイラーコン      | 01  |
| C3830        | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3831-3832   | UR257100 | C. EL           | 10uF 35V          |         | ケミコン        | 01  |
| * C3833      | WJ608700 | C. MYLAR        | 680pF 100V        |         | マイラーコン      |     |
| * C3836      | WJ608700 | C. MYLAR        | 680pF 100V        |         | マイラーコン      |     |
| C3837-3838   | UR257100 | C. EL           | 10uF 35V          |         | ケミコン        | 01  |
| C3839-3840   | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3841-3842   | UR257100 | C. EL           | 10uF 35V          |         | ケミコン        | 01  |
| * C3843      | WJ608700 | C. MYLAR        | 680pF 100V        |         | マイラーコン      |     |
| C3844        | UR237470 | C. EL           | 47uF 16V          |         | ケミコン        | 01  |
| C3846        | UR237470 | C. EL           | 47uF 16V          |         | ケミコン        | 01  |
| * C3848      | WJ608700 | C. MYLAR        | 680pF 100V        |         | マイラーコン      |     |
| C3849-3850   | UR257100 | C. EL           | 10uF 35V          |         | ケミコン        | 01  |
| C3851        | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3858        | UR238100 | C. EL           | 100uF 16V         |         | ケミコン        |     |
| C3860        | US135100 | C. CE. CHP      | 0.1uF 16V         |         | チップセラコン     | 01  |
| C3861        | UR266470 | C. EL           | 4.7uF 50V         |         | ケミコン        | 01  |
| C3863        | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3864        | UR237100 | C. EL           | 10uF 16V          |         | ケミコン        |     |
| C3865        | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3866        | UR237100 | C. EL           | 10uF 16V          |         | ケミコン        |     |
| C3867        | UR266470 | C. EL           | 4.7uF 50V         |         | ケミコン        | 01  |
| C3868        | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3870        | UR237100 | C. EL           | 10uF 16V          |         | ケミコン        |     |
| C3871        | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3873        | US062100 | C. CE. CHP      | 100pF 50V B       |         | チップセラコン     | 01  |
| C3874        | UR237100 | C. EL           | 10uF 16V          |         | ケミコン        |     |
| C3875-3876   | UR266470 | C. EL           | 4.7uF 50V         |         | ケミコン        | 01  |
| C3877        | UR237100 | C. EL           | 10uF 16V          |         | ケミコン        |     |
| C3878        | US135100 | C. CE. CHP      | 0.1uF 16V         |         | チップセラコン     | 01  |
| C3879        | UR238100 | C. EL           | 100uF 16V         |         | ケミコン        |     |
| △ D3401      | WU201600 | DIODE           | 1N4003S TP        |         | ダイオード       | 01  |
| △ * D3403    | VV665400 | DIODE. ZENR     | RLZ39.0D 39V      |         | ツェナーダイオード   |     |
| D3404-3408   | VT332900 | DIODE           | 1SS355            |         | ダイオード       | 01  |
| △ D3409      | WH487300 | DIODE. BRG      | RS203M 2.0A 200V  |         | ブリッジダイオード   | 02  |
| D3410        | VU172800 | DIODE. ZENR     | UDZS12B 12V       | R       | ツェナーダイオード   | 01  |
| D3411        | VT332900 | DIODE           | 1SS355            |         | ダイオード       | 01  |
| △ * D3701    | WW872000 | DIODE. BRG      | 1.5A 600V DBL155G |         | ブリッジダイオード   |     |
| △ D3702      | VV463000 | DIODE. CHP      | 1.1A 200V D1FL20U |         | チップダイオード    | 01  |
| △ * D3703    | WW170700 | DIODE           | SARS05            |         | ダイオード       |     |
| * D3704      | WW745500 | DIODE. SCHOTTKY | RB215T-90 20A 90V |         | ショットキーダイオード |     |
| △ D3706-3715 | VT332900 | DIODE           | 1SS355            |         | ダイオード       | 01  |
| D3801        | VT332900 | DIODE           | 1SS355            |         | ダイオード       | 01  |
| △ F3701      | WR944000 | FUSE            | 2A 250V           |         | ヒューズ        |     |
| △ F3702      | WB221200 | FUSE            | T6A 125V          | JUCR    | ヒューズ        | 01  |
| △ F3702      | VV071700 | FUSE            | 3.15A 250V        | TKABGFL | ヒューズ        | 01  |

\* New Parts \* 新規部品

## VIDEO

| Ref No. | Part No.   | Description | Remarks            | Markets              | 部 品 名      | ランク |
|---------|------------|-------------|--------------------|----------------------|------------|-----|
| IC301   | X2904A00   | IC          | NJM2581M VIDEO AMP |                      | アンプ I C    | 06  |
| IC302   | XY549A00   | IC          | TC74HC4051AFEL     |                      | ロジック I C   | 02  |
| IC303   | XY879A00   | IC          | TC74HC4053AF (EL)  |                      | ロジック I C   | 03  |
| IC304   | X8875A00   | IC          | FHP3350IM14X       |                      | アンプ I C    | 04  |
| IC305   | X6742A00   | IC          | LA73050-TLM-E      |                      | アンプ I C    | 04  |
| IC341   | X6143A00   | IC          | NJM2388F05 5.0V    |                      | 電源 I C     | 04  |
| IC342   | X4928A00   | IC          | K1A7805AP1 5V      |                      | 電源 I C     | 02  |
| △ *     | IC371      | YD359A00    | IC                 | STR2A152             | 電源 I C     |     |
| △ *     | IC372      | WP388200    | PHOT. CPL          | TLP781 (D4-GR, F)    | フォトカプラ     | 01  |
| △ *     | IC373      | YA276A00    | IC                 | TL431AC 2.5-36V      | 電源 I C     | 02  |
| △ *     | IC374      | WP388200    | PHOT. CPL          | TLP781 (D4-GR, F)    | フォトカプラ     | 01  |
|         | IC381-384  | X7378A00    | IC                 | NJM4565M (TE1)       | アンプ I C    | 01  |
|         | IC385      | X4928A00    | IC                 | K1A7805AP1 5V        | 電源 I C     | 02  |
|         | IC387      | X7378A00    | IC                 | NJM4565M (TE1)       | アンプ I C    | 01  |
| *       | IC388-389  | YD360A00    | IC                 | NJM2505A VIDEO AMP   | アンプ I C    |     |
| *       | PJ301      | WH380900    | PIN. JACK          | 9P G, B, R           | ピンジャック     |     |
|         | PJ302      | V7190000    | JACK. PIN          | 2P                   | ピンジャック     |     |
|         | PJ304-305  | V7190000    | JACK. PIN          | 2P                   | ピンジャック     |     |
|         | Q3001      | VR936300    | TR                 | 2SA1576A T106        | トランジスタ     | 01  |
| △       | Q3402      | VP872600    | TR                 | 2SA1708 S, T         | トランジスタ     | 01  |
|         | Q3403      | VV655400    | TR. DGT            | DTC114EKA            | デジタルトランジスタ | 01  |
|         | Q3404      | VV655000    | TR. DGT            | DTA114EKA            | デジタルトランジスタ | 01  |
|         | Q3405      | VV655400    | TR. DGT            | DTC114EKA            | デジタルトランジスタ | 01  |
|         | Q3406      | VV655000    | TR. DGT            | DTA114EKA            | デジタルトランジスタ | 01  |
|         | Q3407      | VV655400    | TR. DGT            | DTC114EKA            | デジタルトランジスタ | 01  |
|         | Q3408      | VV655000    | TR. DGT            | DTA114EKA            | デジタルトランジスタ | 01  |
|         | Q3409      | VV655400    | TR. DGT            | DTC114EKA            | デジタルトランジスタ | 01  |
|         | Q3410      | VV655000    | TR. DGT            | DTA114EKA            | デジタルトランジスタ | 01  |
|         | Q3411      | VV655400    | TR. DGT            | DTC114EKA            | デジタルトランジスタ | 01  |
|         | Q3412      | VV655000    | TR. DGT            | DTA114EKA            | デジタルトランジスタ | 01  |
|         | Q3413      | iA101510    | TR                 | 2SA1015 Y            | トランジスタ     | 01  |
|         | Q3414      | WG538600    | TR                 | KTA1046-Y-U/P        | トランジスタ     | 02  |
|         | Q3415      | iA101510    | TR                 | 2SA1015 Y            | トランジスタ     | 01  |
|         | Q3416      | iC181510    | TR                 | 2SC1815 Y            | トランジスタ     | 01  |
|         | Q3701-3702 | VQ986700    | TR                 | 2SC4081 T106         | トランジスタ     | 01  |
|         | Q3703      | VV655700    | TR. DGT            | DTC144EKA            | デジタルトランジスタ | 01  |
| *       | R3024      | WW964500    | R. MTL. OXD        | 1Ω 1/4W              | 酸化金属被膜抵抗   |     |
| *       | R3027      | WW964500    | R. MTL. OXD        | 1Ω 1/4W              | 酸化金属被膜抵抗   |     |
| *       | R3049-3050 | WW964500    | R. MTL. OXD        | 1Ω 1/4W              | 酸化金属被膜抵抗   |     |
| *       | R3057-3058 | WW964500    | R. MTL. OXD        | 1Ω 1/4W              | 酸化金属被膜抵抗   |     |
| △ *     | R3401      | WW965300    | R. MTL. OXD        | 2.2Ω 1/4W            | 酸化金属被膜抵抗   |     |
| *       | R3403      | WW972900    | R. MTL. OXD        | 3.3KΩ 1/4W           | 酸化金属被膜抵抗   |     |
| *       | R3405      | WW966900    | R. MTL. OXD        | 10Ω 1/4W             | 酸化金属被膜抵抗   |     |
| △       | R3409      | HL002220    | R. MTL. OXD        | 0.22Ω 1/2W           | 酸化金属被膜抵抗   | 01  |
| *       | R3412-3415 | WW974100    | R. MTL. OXD        | 10KΩ 1/4W            | 酸化金属被膜抵抗   |     |
| *       | R3416      | WW972500    | R. MTL. OXD        | 2.2KΩ 1/4W           | 酸化金属被膜抵抗   |     |
| *       | R3421-3422 | WW973300    | R. MTL. OXD        | 4.7KΩ 1/4W           | 酸化金属被膜抵抗   |     |
| △ *     | R3703      | WU547900    | R. OTHER           | 3MΩ 1/2W             | 耐サージ固定抵抗   |     |
|         | R3805      | V8070100    | R. MTL. FLM        | 2.2Ω 1W              | 金属被膜抵抗     | 01  |
|         | R3811      | V8070100    | R. MTL. FLM        | 2.2Ω 1W              | 金属被膜抵抗     | 01  |
|         | R3815      | V8070100    | R. MTL. FLM        | 2.2Ω 1W              | 金属被膜抵抗     | 01  |
|         | RY341-345  | WJ122400    | RELAY              | 981-2A-24DS-SP7      | リレー        | 04  |
| △ *     | RY371      | WQ804100    | RELAY              | DC DLS5D1-0 (M) 0.25 | リレー        | 04  |
| △       | T3701      | YD115B00    | TRANS. SUB         |                      | サブトランス     |     |
| *       | TE341      | WW728900    | TERM. SP           | 4P                   | スピーカー端子    |     |
| *       | TE341      | WW726500    | TERM. SP           | 4P                   | スピーカー端子    |     |
| *       | TE342      | WW726600    | TERM. SP           | 6P                   | スピーカー端子    |     |

\* New Parts \* 新規部品

VIDEO

| Ref No. | Part No. | Description     | Remarks            | Markets | 部 品 名       | ランク |
|---------|----------|-----------------|--------------------|---------|-------------|-----|
| * TE342 | WV728800 | TERM. SP        |                    | K8GFL   | スピーカー端子     |     |
| * TE343 | WV728900 | TERM. SP        |                    | JUORTA  | スピーカー端子     |     |
| * TE343 | WV726500 | TERM. SP        |                    | K8GFL   | スピーカー端子     |     |
| TH371   | WF544600 | PTC. THERMISTOR | NTPADSR1LDM80 5. 1 |         | P T Cサーミスタ  | 03  |
| △       | WE774200 | SQR. BND. HD    | 3x10 MF2N2W3       |         | バイナードBタイトネジ | 01  |

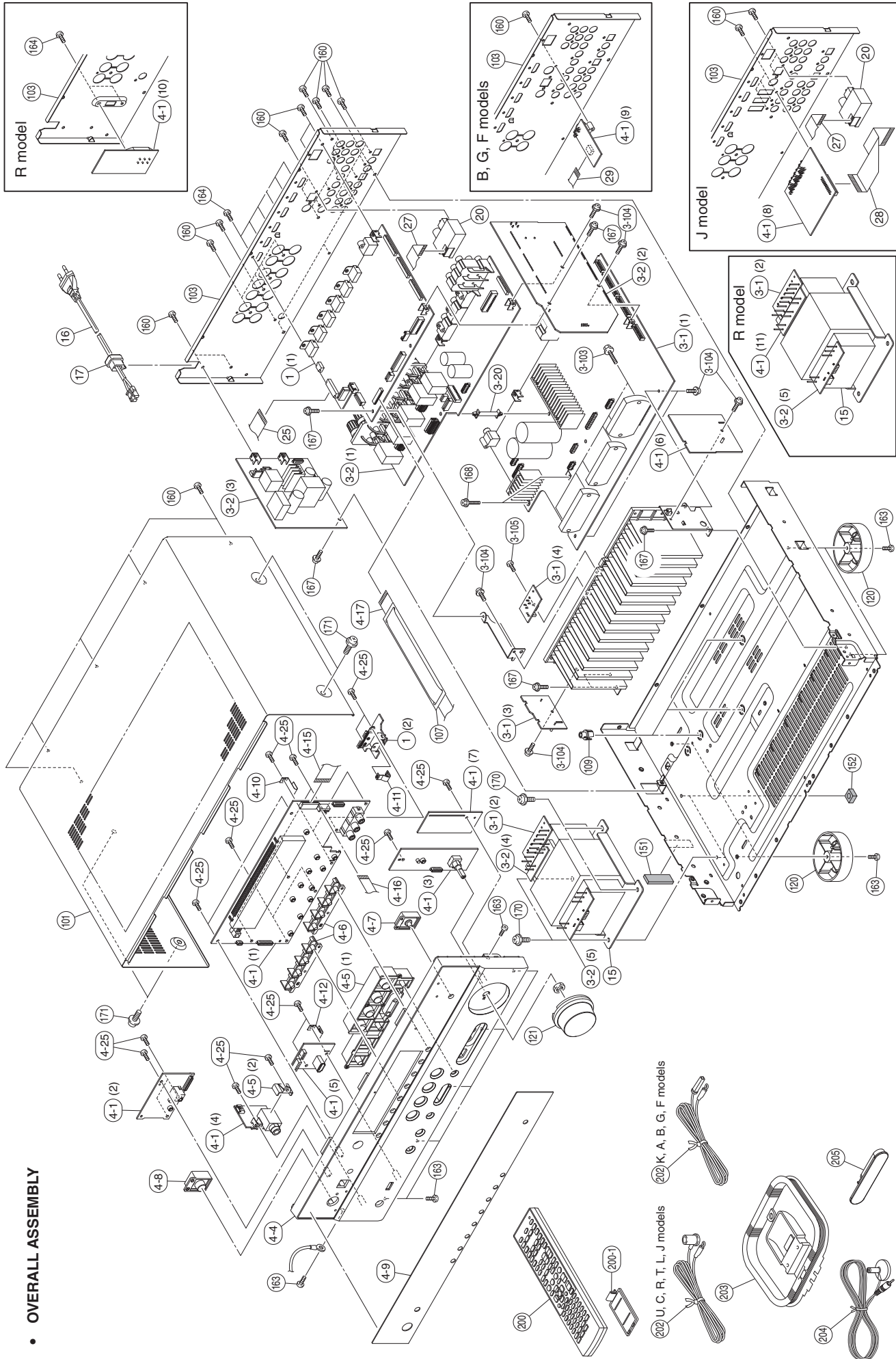
\*: New Parts \* 新規部品

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          | 11 kΩ  | HF45 7110          | HF45 7110          |
| 1.8 Ω  | HJ35 3180          | *                  | 12 kΩ  | HJ35 7120          | HF85 7120          |
| 2.2 Ω  | HJ35 3220          | HF85 3220          | 13 kΩ  | HF45 7130          | HF45 7130          |
| 3.3 Ω  | HJ35 3300          | HF85 3300          | 15 kΩ  | HF45 7150          | HF45 7150          |
| 3.7 Ω  | HJ35 3370          | HF45 3470          | 18 kΩ  | HF45 7180          | HF45 7180          |
| 5.6 Ω  | HJ35 3560          | HF85 3560          | 22 kΩ  | HF45 7220          | HF45 7220          |
| 10 Ω   | HF45 4100          | HF45 4100          | 24 kΩ  | HF45 7240          | HF45 7240          |
| 15 Ω   | HJ35 4150          | HF85 4150          | 27 kΩ  | HJ35 7270          | HF85 7270          |
| 22 Ω   | HF45 4220          | HF45 4220          | 30 kΩ  | HF45 7300          | HF45 7300          |
| 27 Ω   | HJ35 4270          | HF85 4270          | 33 kΩ  | HF45 7330          | HF45 7330          |
| 33 Ω   | HF45 4330          | HF45 4330          | 36 kΩ  | HF45 7360          | HF45 7360          |
| 39 Ω   | HJ35 4470          | HF85 4390          | 39 kΩ  | HF45 7390          | HF45 7390          |
| 47 Ω   | HF45 4470          | HF45 4470          | 47 kΩ  | HF45 7470          | HF45 7470          |
| 56 Ω   | HF45 4560          | HF45 4560          | 51 kΩ  | HF45 7510          | HF45 7510          |
| 68 Ω   | HF45 4680          | HF45 4680          | 56 kΩ  | HF45 7560          | HF45 7560          |
| 75 Ω   | HF45 4750          | HF45 4750          | 62 kΩ  | HF45 7620          | HF45 7620          |
| 82 Ω   | HF45 4820          | HF45 4820          | 68 kΩ  | HF45 7680          | HF45 7680          |
| 91 Ω   | HF45 4910          | HF45 4910          | 82 kΩ  | HF45 7820          | HF45 7820          |
| 100 Ω  | HF45 5100          | HF45 5100          | 91 kΩ  | HF45 7910          | HF45 7910          |
| 110 Ω  | HJ35 5110          | HF85 5110          | 100 kΩ | HF45 8100          | HF45 8100          |
| 120 Ω  | HF45 5120          | HF45 5120          | 110 kΩ | HF45 8110          | HF45 8110          |
| 150 Ω  | HF45 5150          | HF45 5150          | 120 kΩ | HF45 8120          | HF45 8120          |
| 160 Ω  | HJ35 5160          | *                  | 130 kΩ | HF45 8130          | *                  |
| 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          |
|        |                    |                    |        |                    |                    |
|        |                    |                    |        |                    |                    |
| 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          |        |                    |                    |
| 10 kΩ  | HF45 7100          | HF45 7100          |        |                    |                    |

\*: Not available

• OVERALL ASSEMBLY



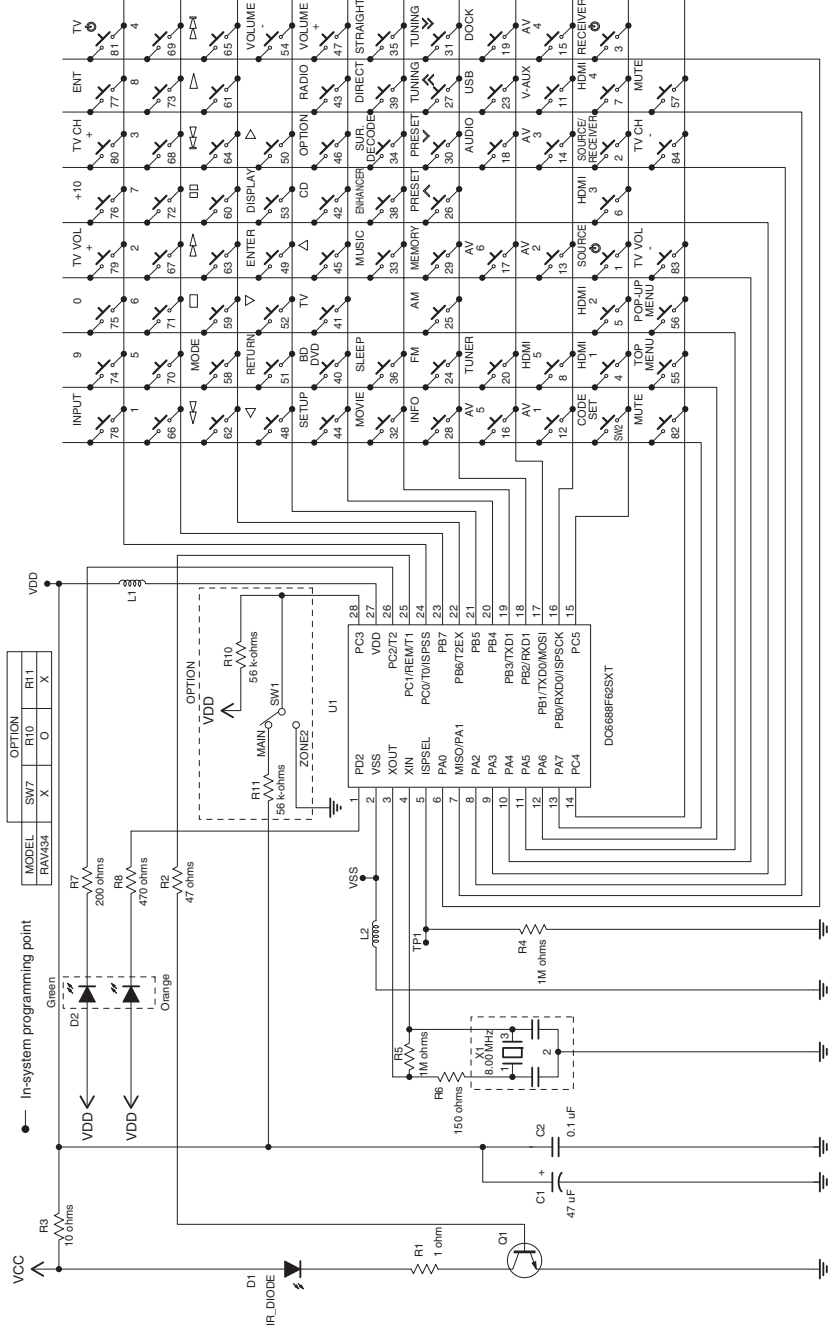
| Ref No. | Part No.  | Description             | Remarks           | Markets    | 部 品 名         | ランク |
|---------|-----------|-------------------------|-------------------|------------|---------------|-----|
| 1       | WM915400  | P.C.B. ASSEMBLY         | V571              | JUORTKAL   | PCB DIGITAL   | 01  |
| 1       | WM924900  | P.C.B. ASSEMBLY         | 5064              | UK         | PCB DIGITAL   |     |
| 1       | WM915500  | P.C.B. ASSEMBLY         | V571              | BGF        | PCB DIGITAL   | 01  |
| 1       | WM925000  | P.C.B. ASSEMBLY         | 5064              | GF         | PCB DIGITAL   |     |
| 3-1     | WM917400  | P.C.B. ASSEMBLY         |                   | JRTKABGL   | PCB MAIN      | 01  |
| 3-1     | WM917500  | P.C.B. ASSEMBLY         |                   | UC         | PCB MAIN      |     |
| 3-2     | WM917600  | P.C.B. ASSEMBLY         |                   | J          | PCB VIDEO     | 01  |
| 3-2     | WM917700  | P.C.B. ASSEMBLY         |                   | U          | PCB VIDEO     |     |
| 3-2     | WM917800  | P.C.B. ASSEMBLY         |                   | C          | PCB VIDEO     | 01  |
| 3-2     | WM917900  | P.C.B. ASSEMBLY         |                   | R          | PCB VIDEO     |     |
| 3-2     | WM918000  | P.C.B. ASSEMBLY         |                   | T          | PCB VIDEO     | 01  |
| 3-2     | WM918100  | P.C.B. ASSEMBLY         |                   | K          | PCB VIDEO     |     |
| 3-2     | WM918200  | P.C.B. ASSEMBLY         |                   | A          | PCB VIDEO     | 01  |
| 3-2     | WM918300  | P.C.B. ASSEMBLY         |                   | BGF        | PCB VIDEO     |     |
| 3-2     | WM918400  | P.C.B. ASSEMBLY         |                   | L          | PCB VIDEO     | 01  |
| 3-2     | WS000800  | SPACER SUPPORT          |                   |            | スベサーサポート      |     |
| 3-103   | WM774600  | IC SCREW                | LCM4-29M PIN      |            | I Cスクリュー      | 01  |
| 3-104   | MF002600  | PW HEAD B-TIGHT SCREW   | 3x18              |            | PWヘッドBタイトネジ   |     |
| 3-105   | MF774300  | BIND HEAD B-TIGHT SCREW | 3x8               |            | バインドBタイトネジ    | 01  |
| 3-105   | MF919500  | P.C.B. ASSEMBLY         |                   | J          | PCB OPERATION |     |
| 4-1     | WM919600  | P.C.B. ASSEMBLY         |                   | UCTKAL     | PCB OPERATION | 01  |
| 4-1     | WM919800  | P.C.B. ASSEMBLY         |                   | R          | PCB OPERATION |     |
| 4-1     | WM919900  | P.C.B. ASSEMBLY         |                   | BGF        | PCB OPERATION | 01  |
| 4-4     | WM586000  | FRONT PANEL             |                   |            | フロントパネル       |     |
| 4-4     | WM585700  | FRONT PANEL             |                   | J          | フロントパネル       | 01  |
| 4-4     | WM585800  | FRONT PANEL             |                   | JUORTKABGL | フロントパネル       |     |
| 4-4     | WM585900  | FRONT PANEL             |                   |            | フロントパネル       | 01  |
| 4-4     | WM586100  | FRONT PANEL             |                   |            | フロントパネル       |     |
| 4-5     | WT822300  | BUTTON                  |                   |            | ボタン           | 03  |
| 4-5     | WT822400  | BUTTON                  |                   |            | ボタン           |     |
| 4-5     | WT822600  | BUTTON                  |                   |            | ボタン           | 04  |
| 4-5     | WT822800  | BUTTON                  |                   |            | ボタン           |     |
| 4-6     | WT843700  | BUTTON                  |                   |            | ボタン           | 01  |
| 4-7     | WT843800  | BUTTON                  |                   |            | ボタン           |     |
| 4-8     | WM595700  | WINDOW SHEET            |                   |            | ウインドウシート      | 02  |
| 4-9     | WM595800  | WINDOW SHEET            |                   |            | ウインドウシート      |     |
| 4-10    | WT846200  | EARTH PLATE             |                   |            | アースプレート       | 01  |
| 4-11    | WM592800  | EARTH PLATE             |                   |            | アースプレート       |     |
| 4-12    | Y032100   | EARTH PLATE             |                   |            | アースプレート       | 04  |
| 4-15    | MF117250  | FLEXIBLE FLAT CABLE     | 17P 250mm P=1.25  |            | カード電線         |     |
| 4-16    | MF109180  | FLEXIBLE FLAT CABLE     | 9P 180mm P=1.25   |            | カード電線         | 04  |
| 4-17    | MF0295000 | FLEXIBLE FLAT CABLE     | 20P 220mm P=1.0   |            | カード電線         |     |
| 4-25    | MF774800  | BIND HEAD P-TIGHT SCREW | 3x8               |            | バインドPタイトネジ    | 01  |
| 4-25    | Y0326A00  | POWER TRANSFORMER       |                   | J          | 電源トランス        |     |
| 4-15    | Y0327A00  | POWER TRANSFORMER       |                   | UC         | 電源トランス        | 07  |
| 4-15    | Y0328A00  | POWER TRANSFORMER       |                   | R          | 電源トランス        |     |
| 4-15    | Y0329A00  | POWER TRANSFORMER       |                   | TK         | 電源トランス        | 01  |
| 4-15    | Y0330A00  | POWER TRANSFORMER       |                   | AL         | 電源トランス        |     |
| 4-15    | Y0331A00  | POWER TRANSFORMER       |                   | BGF        | 電源トランス        | 01  |
| 4-16    | WM636300  | POWER CABLE             | 1.8m              | J          | 電源コード         |     |
| 4-16    | WM6120500 | POWER CABLE             | 2m                | UC         | 電源コード         | 02  |
| 4-16    | WM992700  | POWER CABLE             | 2m                | R          | 電源コード         |     |
| 4-16    | WM936600  | POWER CABLE             | 2m                | T          | 電源コード         | 01  |
| 4-16    | WM743700  | POWER CABLE             | 2m                | K          | 電源コード         |     |
| 4-16    | WM743700  | POWER CABLE             | 2m                | A          | 電源コード         | 01  |
| 4-16    | WM812200  | POWER CABLE             | 2m                | B          | 電源コード         |     |
| 4-16    | WM936900  | POWER CABLE             | 2m                | GFL        | 電源コード         | 02  |
| 4-16    | Y2438700  | CORD STOPPER            | 10P1              |            | コードストッパー      |     |
| 17      | WT196500  | AM/FM TUNER             | KST-MW004MS1-S89S | JUORTL     | AM/FMチューナー    | 01  |
| 20      | WT196600  | AM/FM TUNER             | KST-MW104MS1-S89  | KABGF      | AM/FMチューナー    |     |
| 25      | MF117100  | FLEXIBLE FLAT CABLE     | 17P 100mm P=1.25  |            | カード電線         | 01  |
| 27      | MF109200  | FLEXIBLE FLAT CABLE     | 9P 200mm P=1.25   |            | カード電線         |     |
| 28      | MF120070  | FLEXIBLE FLAT CABLE     | 20P 70mm P=1.25   | J          | カード電線         | 01  |
| 29      | MF105180  | FLEXIBLE FLAT CABLE     | 5P 180mm P=1.25   | BGF        | カード電線         |     |

\* New Parts \* 新部品

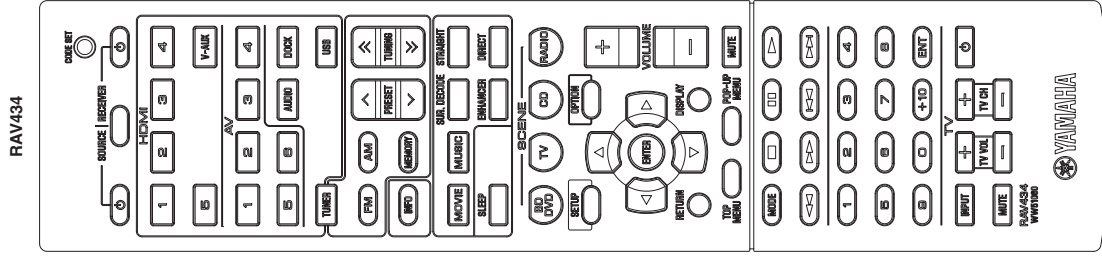
| Ref No. | Part No. | Description             | Remarks    | Markets | 部 品 名         | ランク |
|---------|----------|-------------------------|------------|---------|---------------|-----|
| 101     | WT990000 | TOP COVER               |            |         | トップカバー        | 09  |
| 101     | WT919800 | TOP COVER               |            |         | トップカバー        |     |
| 101     | WT919900 | TOP COVER               |            |         | トップカバー        | 09  |
| 101     | WT980100 | TOP COVER               |            |         | トップカバー        |     |
| *       | WM601200 | REAR PANEL              |            | J       | リアパネル         | 01  |
| *       | WM600400 | REAR PANEL              |            | UC      | リアパネル         |     |
| *       | WM601300 | REAR PANEL              |            | U       | リアパネル         | 01  |
| *       | WM600600 | REAR PANEL              |            | R       | リアパネル         |     |
| 103     | WM600700 | REAR PANEL              |            | T       | リアパネル         | 01  |
| 103     | WM600800 | REAR PANEL              |            | K       | リアパネル         |     |
| *       | WM601500 | REAR PANEL              |            | K       | リアパネル         | 01  |
| *       | WM600900 | REAR PANEL              |            | A       | リアパネル         |     |
| 103     | WM601000 | REAR PANEL              |            | BGF     | リアパネル         | 01  |
| 103     | WM601600 | REAR PANEL              |            | GF      | リアパネル         |     |
| 103     | WM601100 | REAR PANEL              |            | L       | リアパネル         | 01  |
| 103     | WT074400 | BARRIER                 |            |         | バリア           |     |
| 107     | WM664500 | SUPPORT                 | FFC        |         | サポート          | 01  |
| 109     | WM959300 | LEG                     | D60/H21 GD |         | レッグ           |     |
| 120     | WM959100 | LEG                     | D60/H21 HS |         | レッグ           | 01  |
| 121     | WM583200 | KNOB                    | D52 VOLUME |         | ノブ            |     |
| 121     | WM583100 | KNOB                    | D52 VOLUME |         | ノブ            | 01  |
| 121     | WM583300 | KNOB                    | D52 VOLUME |         | ノブ            |     |
| *       | WM870100 | DAMPER                  | 30x10x4    |         | ダンパー          | 01  |
| 151     | WM879000 | SCREW MASK              |            |         | ダンパー          |     |
| 152     | MF774100 | BIND HEAD B-TIGHT SCREW | 3x8        |         | バインドBタイトネジ    | 01  |
| 160     | MF774300 | BIND HEAD S-TIGHT SCREW | 3x8        |         | バインドSタイトネジ    |     |
| 163     | MF002600 | PW HEAD B-TIGHT SCREW   | 3x8        |         | PWヘッドBタイトネジ   | 01  |
| 164     | MF002600 | PW HEAD B-TIGHT SCREW   | 3x8        |         | PWヘッドBタイトネジ   |     |
| 167     | MF774600 | IC SCREW                | 3x18       |         | I Cスクリュー      | 01  |
| 168     | WM046900 | BIND HEAD S-TIGHT SCREW | 4x10       |         | バインドSタイトネジ    |     |
| 170     | WM069600 | PW HEAD S-TIGHT SCREW   | 4x8-10     |         | PWヘッドSタイトネジ   | 01  |
| 171     | WM133200 | PW HEAD S-TIGHT SCREW   | 4x8-10     |         | PWヘッドSタイトネジ   |     |
| 200     | WM510600 | ACCESSORIES             |            |         | 付属品           | 03  |
| 200-1   | AAH82380 | REMOTE CONTROL          | RAV434     |         | リモコン          |     |
| 202     | V0257000 | BATTERY COVER           | Black      |         | 電池蓋           | 03  |
| 202     | V0417100 | FM ANTENNA              | 1.4m 1pc   |         | FMアンテナ        |     |
| 203     | Y0417100 | AM ANTENNA              | 1.4m 1pc   |         | FMアンテナ        | 02  |
| 204     | WM649600 | YPAD MICROPHONE         | 1.3m 1pc   |         | YPAオミイク       |     |
| 205     | WM187800 | VIDEO AUX INPUT COVER   | 6.0m 1pc   |         | 前面入力端子保護用キャップ | 08  |
| 205     | WM187600 | VIDEO AUX INPUT COVER   | 1pc        |         | 前面入力端子保護用キャップ |     |
| 205     | WM187700 | VIDEO AUX INPUT COVER   | 1pc        |         | 前面入力端子保護用キャップ | 03  |
| 205     | WM187900 | VIDEO AUX INPUT COVER   | 1pc        |         | 前面入力端子保護用キャップ |     |
| 205     |          | BATTERY                 |            |         | 単4乾電池         | 03  |

\* New Parts \* 新部品

# ■ REMOTE CONTROL SCHEMATIC DIAGRAM



## PANEL



KEY NO. LAYOUT

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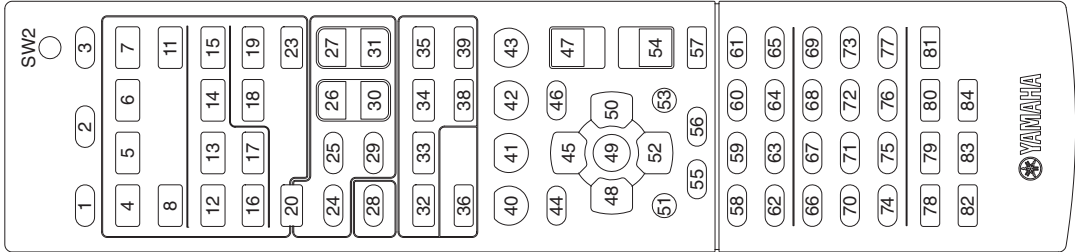
83

84



KEY CODE  
AMP MODE

| Key No.                                    | FUNCTION                                                                                     | ID-1 (5019)        |                     | ID-2 (5020)        |                     |
|--------------------------------------------|----------------------------------------------------------------------------------------------|--------------------|---------------------|--------------------|---------------------|
|                                            |                                                                                              | MAIN<br>[CODE SET] | ZONE2<br>[CODE SET] | MAIN<br>[CODE SET] | ZONE2<br>[CODE SET] |
| * selected RCU mode "SOURCE" or "RECEIVER" |                                                                                              |                    |                     |                    |                     |
| K2                                         | CODE SET                                                                                     |                    |                     |                    |                     |
| K3                                         | SOURCE / RECEIVER                                                                            |                    |                     |                    |                     |
| K3                                         | RECEIVER  | 7E-2A              | 7A-453A             | 7E-2AD4            | 7A-453B             |
| K4                                         | HDMI-1                                                                                       | 7A-4738            | 7A-4837             | 7A-4739            | 7A-4836             |
| K5                                         | HDMI-2                                                                                       | 7A-4A35            | 7A-4B34             | 7A-4A34            | 7A-4B35             |
| K6                                         | HDMI-3                                                                                       | 7A-4D31            | 7A-4E31             | 7A-4D30            | 7A-4E30             |
| K7                                         | HDMI-4                                                                                       | 7A-502F            | 7A-512E             | 7A-502E            | 7A-512F             |
| K8                                         | HDMI-5                                                                                       | 7A-700F            | 7A-710E             | 7A-700E            | 7A-710F             |
| K11                                        | V-AUX                                                                                        | 7A-55              | 7A-D8               | 7A-55AB            | 7A-D8B6             |
| K12                                        | AV-1                                                                                         | 7A-532C            | 7A-542B             | 7A-532D            | 7A-542A             |
| K13                                        | AV-2                                                                                         | 7A-5629            | 7A-5728             | 7A-5628            | 7A-5729             |
| K14                                        | AV-3                                                                                         | 7A-5926            | 7A-5A25             | 7A-5927            | 7A-5A24             |
| K15                                        | AV-4                                                                                         | 7A-5C23            | 7A-5D22             | 7A-5C22            | 7A-5D23             |
| K16                                        | AV-5                                                                                         | 7A-5F20            | 7A-601F             | 7A-5F21            | 7A-601E             |
| K17                                        | AV-6                                                                                         | 7A-821D            | 7A-831C             | 7A-821C            | 7A-831D             |
| K18                                        | AUDIO                                                                                        | 7A-851A            | 7A-8619             | 7A-851B            | 7A-8618             |
| K19                                        | DOCK                                                                                         | 7F01-4A            | 7F01-4B             | 7F01-4AB4          | 7F01-4BB5           |
| K20                                        | TUNER                                                                                        | 7A-16              | 7A-D2               | 7A-16E8            | 7A-D22C             |
| K23                                        | USB                                                                                          | 7F01-720D          | 7F01-730C           | 7F01-720C          | 7F01-730D           |
| K24                                        | FM                                                                                           | 7F01-5827          | 7F01-5926           | 7F01-5826          | 7F01-5927           |
| K25                                        | AM                                                                                           | 7F01-582A          | 7F01-5929           | 7F01-5828          | 7F01-5927           |
| K26                                        | PRESET    | 7F01-5824          | 7F01-5C23           | 7F01-5825          | 7F01-5C22           |
| K27                                        | TUNING    | 7F01-611E          | 7F01-621D           | 7F01-611F          | 7F01-621C           |
| K28                                        | INFO                                                                                         | 7A-2758            | 7A-2857             | 7A-2759            | 7A-2856             |
| K29                                        | MEMORY                                                                                       | 7F01-6718          | 7F01-6817           | 7F01-6719          | 7F01-6816           |
| K30                                        | PRESET    | 7F01-5E21          | 7F01-5F20           | 7F01-5E20          | 7F01-5F21           |
| K31                                        | TUNING    | 7F01-641B          | 7F01-651A           | 7F01-641A          | 7F01-651B           |
| K32                                        | MOVIE                                                                                        | 7A-88              | -                   | 7A-8876            | -                   |
| K33                                        | MUSIC                                                                                        | 7A-89              | -                   | 7A-8877            | -                   |
| K34                                        | SUR DECODE                                                                                   | 7A-8D              | -                   | 7A-8D73            | -                   |
| K35                                        | STRAIGHT                                                                                     | 7A-96              | -                   | 7A-96A8            | -                   |
| K36                                        | SLEEP                                                                                        | 7A-30              | 7A-31               | 7A-30CE            | 7A-31CF             |
| K38                                        | ENHANCER                                                                                     | 7A-94              | -                   | 7A-946A            | -                   |
| K39                                        | DIRECT                                                                                       | 7A-DD              | -                   | 7A-DD23            | -                   |
| K40                                        | BD/DVD (SCENE)                                                                               | 7A-007F            | 7A-017E             | 7A-007E            | 7A-017F             |
| K41                                        | TV (SCENE)                                                                                   | 7A-037C            | 7A-047B             | 7A-037D            | 7A-047A             |
| K42                                        | CD (SCENE)                                                                                   | 7A-0679            | 7A-0778             | 7A-0678            | 7A-0779             |
| K43                                        | RADIO (SCENE)                                                                                | 7A-0976            | 7A-0A75             | 7A-0977            | 7A-0A74             |
| K44                                        | SETUP                                                                                        | 7A-84              | -                   | 7A-847A            | -                   |
| K46                                        | OPTION                                                                                       | 7A-8B14            | -                   | 7A-8B15            | -                   |
| K47                                        | VOLUME ( + )                                                                                 | 7A-1A              | 7A-DA               | 7A-1AE4            | 7A-DA24             |
| K54                                        | VOLUME ( - )                                                                                 | 7A-1B              | 7A-DB               | 7A-1BE5            | 7A-DB25             |
| K57                                        | MUTE                                                                                         | 7A-1C              | 7A-DC               | 7A-1CE2            | 7A-DC22             |



SOURCE MODE

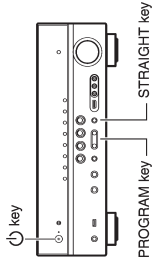
| Key No.               | FUNCTION        | IR code in "RECEIVER" mode |         |             |           | IR code in "SOURCE" mode            |  | K22 | K20 | K19<br>[DOCK or B] | K18<br>[AUDIO] | K17<br>[AV-6] | K16<br>[AV-5] | K15<br>[AV-4] | K14<br>[AV-3] | K13<br>[AV-2] | K12<br>[AV-1] | K11<br>[V-AUX] | K8<br>[HDMI-5 or A] | K7<br>[HDMI-4] | K6<br>[HDMI-3] | K5<br>[HDMI-2] | K4<br>[HDMI-1] |
|-----------------------|-----------------|----------------------------|---------|-------------|-----------|-------------------------------------|--|-----|-----|--------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------------|----------------|----------------|----------------|----------------|
|                       |                 | ID-1 (5019)                |         | ID-2 (5020) |           | ID-1 / ID-2<br>MAIN / ZONE2 / ZONE3 |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       |                 | MAIN                       | ZONE2   | MAIN        | ZONE2     |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
| "SOURCE" (mode fixed) | K45 Δ (UP)      | 7A-9D                      | 7A-2B54 | 7A-9D63     | 7A-2B55   | * SOURCE *                          |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K48 ◁ (LEFT)    | 7A-9F                      | 7A-2D52 | 7A-9F61     | 7A-2D53   |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K49 ENTER       | 7A-DE                      | 7A-2F50 | 7A-DE20     | 7A-2F51   |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K50 ▷ (RIGHT)   | 7A-9E                      | 7A-2E51 | 7A-9E50     | 7A-2E50   |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K51 RETURN      | 7A-AA                      | 7A-3C43 | 7A-AA54     | 7A-3C42   |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K52 ▽ (DOWN)    | 7A-9C                      | 7A-2C53 | 7A-9C62     | 7A-2C52   | * empty *                           |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K53 DISPLAY     | 7F01-80                    | 7F01-80 | 7F01-600E   | 7F01-807E |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K58 MODE        | 7F01-86                    | 7F01-86 | 7F01-6898   | 7F01-8678 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K59 □ (STOP)    | 7F01-69                    | 7F01-69 | 7F01-6897   | 7F01-8677 | * SOURCE *                          |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K60 00 (PAUSE)  | 7F01-67                    | 7F01-67 | 7F01-6799   | 7F01-8779 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K61 ▷ (PLAY)    | 7F01-68                    | 7F01-68 | 7F01-6896   | 7F01-8676 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K62 ◀≡ (REW)    | 7F01-6A                    | 7F01-6A | 7F01-6A94   | 7F01-8A74 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K63 ≡▶ (FF)     | 7F01-6B                    | 7F01-6B | 7F01-6B95   | 7F01-8B75 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K64 ≡▶ (SKIP -) | 7F01-6C                    | 7F01-6C | 7F01-6C92   | 7F01-8C72 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K65 ≡▶ (SKIP +) | 7F01-6D                    | 7F01-6D | 7F01-6D93   | 7F01-8D73 | * SOURCE *                          |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K66 1           | 7F01-51                    | 7F01-51 | 7F01-51AF   | 7F01-71BF |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K67 2           | 7F01-52                    | 7F01-52 | 7F01-52AC   | 7F01-729C |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K68 3           | 7F01-53                    | 7F01-53 | 7F01-53AD   | 7F01-738D |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K69 4           | 7F01-54                    | 7F01-54 | 7F01-54AA   | 7F01-748A |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K70 5           | 7F01-55                    | 7F01-55 | 7F01-55AB   | 7F01-758B | * SOURCE *                          |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K71 6           | 7F01-56                    | 7F01-56 | 7F01-56A8   | 7F01-7688 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K72 7           | 7F01-57                    | 7F01-57 | 7F01-57A9   | 7F01-7789 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K73 8           | 7F01-58                    | 7F01-58 | 7F01-58A6   | 7F01-7886 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K74 9           | 7F01-59                    | 7F01-59 | 7F01-59A7   | 7F01-7987 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K75 0           | 7F01-5A                    | 7F01-5A | 7F01-5AA4   | 7F01-7A84 | * SOURCE *                          |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K76 +10         | 7F01-5B                    | 7F01-5B | 7F01-5BA5   | 7F01-7B85 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K77 ENT         | 7F01-5C                    | 7F01-5C | 7F01-5CA2   | 7F01-7C82 |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
| "SOURCE" (mode fixed) | K1 ● SOURCE     | * SOURCE *                 |         |             |           | * SOURCE *                          |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K55 TOP MENU    | 7A-A0DF                    | 7A-A1DE | 7A-A0DE     | 7A-A1DF   |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K56 POP-UP MENU | 7A-A0DB                    | 7A-A5DA | 7A-A0DA     | 7A-A5DB   |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K78 TV-INPUT    | * SOURCE (TV) *            |         |             |           | * SOURCE (TV) *                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K79 TV-VOL (+)  |                            |         |             |           |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K80 TV-CH (+)   |                            |         |             |           |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
|                       | K81 TV-●        |                            |         |             |           |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
| K82 TV-MUTE           |                 |                            |         |             |           |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
| K83 TV-VOL (-)        |                 |                            |         |             |           |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |
| K84 TV-CH (-)         |                 |                            |         |             |           |                                     |  |     |     |                    |                |               |               |               |               |               |               |                |                     |                |                |                |                |

■ CONFIGURING THE SYSTEM SETTINGS

Operating the ADVANCED SETUP menu

Looking at the front display to configure the system settings of the unit.

- 1 Switch the unit to the standby mode if the unit is turned on.
- 2 Press  while pressing and holding STRAIGHT on the front panel.



- 3 Press PROGRAM to select the item.
- 4 Press STRAIGHT to select the value.
- 5 Press  to switch the unit to the standby mode, and then switch it on again.

The settings become effective and the unit is turned on.

Features of the ADVANCED SETUP menu

| Items     | Descriptions                                                      |
|-----------|-------------------------------------------------------------------|
| SP IMP.   | Sets the impedance of speakers. (U, C models)                     |
| REMOTE ID | Changes the remote control ID of a receiver.                      |
| BI-AMP    | Switches the bi-amp connections on or off.                        |
| TV FORMAT | Specifies the TV's color encoding format.                         |
| MON.CHK   | Removes the up-scaling limitation on HDMI video output.           |
| TU        | Selects one of the following FM/AM frequency steps. (R, L models) |
| INIT      | Initializes various settings for the unit.                        |

Changing the speaker impedance (U, C models)

SP IMP. -80MIN

Changes the unit settings depending on the impedance of the speakers connected.

| Settings        |                                                            |
|-----------------|------------------------------------------------------------|
| 60MIN           | Select the impedance when 60 speakers are connected.       |
| 80MIN (Default) | Select the impedance when speakers above 80 are connected. |

Changing the remote control ID

REMOTE ID -ID1

The remote control of the unit can only receive signals from a receiver which has an identical ID (remote control ID). When using multiple Yamaha AV receivers, you can set each remote control with a unique remote control ID for its corresponding receiver.

Settings  
ID1 (Default), ID2

- To change the remote control ID of the remote control  
Perform each of the following steps within 1 minute. Settings will be automatically stopped if more than 1 minute passes since the last operation.
- 1 Press CODE SET on the remote control using a pointed object such as the tip of a ballpoint pen.
- 2 Press SOURCE/RECEIVER.
- 3 Enter "5019" (to switch to ID1) or "5020" (to switch to ID2) with the numeric keys.  
Once the remote control code is registered successfully the remote control will blink twice. If SOURCE/RECEIVER blinks 6 times, the registration failed. Repeat from step1.



• If the remote control ID is changed, the registered settings of the remote control code are kept.

Setting the bi-amp connections

BI-AMP - OFF

Switch the bi-amp connections of the front speakers on or off. Refer to "Connecting front speakers compatible with bi-amp connection" for details.

| Settings      |                               |
|---------------|-------------------------------|
| ON            | Turns bi-amp connections on.  |
| OFF (Default) | Turns bi-amp connections off. |

Changing TV format

TV FORMAT-NTSC

Change the color encoding format of TV monitor to PAL or NTSC, to match the format used by the TV connected to the unit.

Settings  
NTSC, PAL



• The default setting differs depending on your country or region.

Removing HDMI video output upscaling limits

MON.CHK - YES

This unit automatically detects the resolutions supported by the TV connected to this unit with an HDMI cable, and restricts the resolution selected in the "Resolution" of the "Setup" menu (monitor check function). When a resolution that the TV does not support needs to be selected, this menu will remove the limitation from the settings selected in "Resolution."

| Settings      |                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------|
| YES (Default) | Enables the monitor check function. (Video output signals of a resolution not supported by the TV will not be transmitted.) |
| SKIP          | Disables the monitor check function. (Video output signals of any resolution will be transmitted.)                          |



• If no picture is output from the TV and this unit goes out of control after "MON.CHK" is set to "SKIP" set this item back to "YES."

Changing FM/AM frequency steps (R, L models)

TU - AM9/FM50

You can select one of the following FM/AM frequency steps:

| Settings   |                                                                              |
|------------|------------------------------------------------------------------------------|
| AM10/FM100 | You can adjust the AM frequency by steps of 10kHz and FM by steps of 100kHz. |
| AM9/FM50   | You can adjust the AM frequency by steps of 9kHz and FM by steps of 50kHz.   |



• The default setting differs depending on your country or region.



• For details on setting FM/AM frequency steps, refer to "Changing FM/AM tuner frequency steps (R, L models)".

Initializing various settings for the unit

INIT- CANCEL

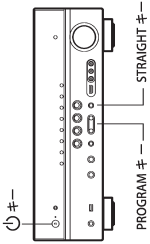
Initialize various settings stored in the unit depending on the selected item from the following.

| Settings         |                                                    |
|------------------|----------------------------------------------------|
| DSP PARAM        | Initializes all parameters for the sound programs. |
| ALL              | Resets the unit to default factory settings.       |
| CANCEL (Default) | Does not initialize.                               |

## ■ システム設定を変更する アドバンスドセットアップメニューを操作する

前面ディスプレイを見ながら、本機のシステム設定を変更します。

- 1 本機の電源が入っている場合は、電源をスタンバイにする。
- 2 前面の STRAIGHT キーを押しながら  キーを押す。



- 3 PROGRAM キーで設定項目を選ぶ。
- 4 STRAIGHT キーで設定値を選ぶ。
- 5  キーで電源をスタンバイにしてから、再度電源を入れる。  
設定変更が反映されて、本機の電源が入ります。

## アドバンスドセットアップメニューでできること

| 項目        | 説明                   |
|-----------|----------------------|
| REMOTE ID | 本体側のリモコン ID を変更します。  |
| BI-AMP    | バイアンプ接続を有効 / 無効にします。 |
| TV FORMAT | ビデオ信号方式を切り替えます。      |
| MON.CHK   | HDMI 映像出力の制限を解除します。  |
| INIT      | 各種設定を初期化します。         |

## リモコン ID の変更

リモコン側のリモコン ID (初期値: ID1) と一致するよう、本体側のリモコン ID を変更します。複数のヤマハ型 AV レシーバーをお使いの場合、それぞれのリモコンで各レシーバーを操作するために、リモコン ID が重ならないように設定します。

設定値  
ID1 (初期値)、ID2

### ■ リモコン側のリモコン ID 設定

各手順を 1 分以内に操作してください。前の手順から 1 分経過すると設定が中止されます。

- 1 ボールペンなどの先の細長いもので、リモコンの CODE SET ボタンを押す。
- 2 SOURCE/RECEIVER キーを押す。
- 3 数字キーで「5019」(ID1 に設定) または「5020」(ID2 に設定) を入力する。  
設定が完了すると、SOURCE/RECEIVER キーが 2 回点滅します。  
6 回点滅した場合は設定失敗です。手順 1 からやり直してください。



- ・リモコン ID を変更しても、登録済みのリモコンコードは保持されます。

## バイアンプ接続の設定

フロントスピーカーのバイアンプ接続を有効 / 無効にします。バイアンプ接続についての詳しい説明は、「バイアンプ接続対応のフロントスピーカーを接続する」をご覧ください。

設定値  
ON バイアンプ接続を有効にする。  
OFF (初期値) バイアンプ接続を無効にする。

## ビデオ信号方式の変更

TV FORMAT-NTSC

お使いのテレビに合わせて、本機のビデオ信号方式を NTSC か PAL に切り替えます。

設定値  
NTSC (初期値)、PAL

## HDMI 映像出力の制限解除

MON.CHK - YES

本機は、HDMI OUT 端子に接続したテレビが対応している解像度を自動的に判別します(モニターチェック)。本機の判別に関わらずセットアップメニューの「解像度」で出力する解像度を指定する場合や、テレビの解像度を本機が判別できない場合は、「解像度」で指定した制限を解除します。

設定値  
YES (初期値) モニターチェックを有効にする (テレビが対応している解像度の映像のみ出力)。  
SKIP モニターチェックを無効にする (テレビの対応に関わらず映像を出力)。



- ・「SKIP」に設定したあと、テレビ画面に映像が出力されず本機での操作ができなくなる場合は、「MON.CHK」を「YES」に設定してください。

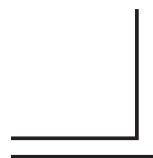
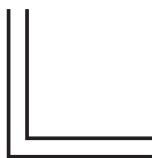
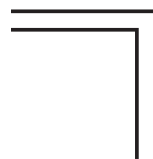
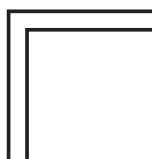
## 設定の初期化

INIT- CANCEL

選択した項目にしたがって設定を初期化します。

設定値  
DSP PARAM 音場プログラムに関連する設定を初期化する。  
ALL すべての設定を初期化する。  
CANCEL (初期値) 初期化しない。

# MEMO



# RX-V571/HTR-5064

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