

# DVD HOME THEATER SOUND SYSTEM DVR-S100/NX-SW100

## 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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This Service Manual uses recycled paper.

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

DVR-S100/NX-SW100

## ■ TO SERVICE PERSONNEL

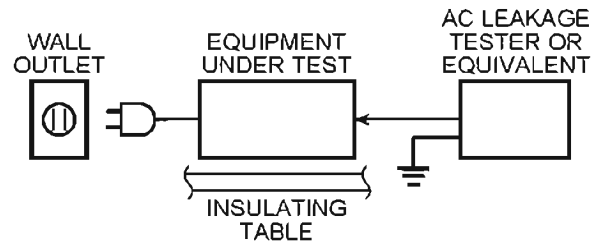
### 1. Critical Components Information

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 ohm 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.

THE DVD AUDIO/VIDEO RECEIVER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.



### "CAUTION"

"F401: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE 6.3A, 250V FUSE."

### CAUTION

F401: REPLACE WITH SAME TYPE 6.3A, 250V FUSE.

### ATTENTION

F401: UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE DE 6.3A, 250V.

## WARNING: CHEMICAL CONTENT NOTICE!

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

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

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

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

## WARNING: Laser Safety

This product contains a laser beam component. This component may emit invisible, as well as visible radiation, which may cause eye damage. To protect your eyes and skin from laser radiation, the following precautions must be used during servicing of the unit.

- 1) When testing and/or repairing any component within the product, keep your eyes and skin more than 30 cm away from the laser pick-up unit at all times. Do not stare at the laser beam at any time.
- 2) Do not attempt to readjust, disassemble or repair the laser pick-up, unless noted elsewhere in this manual.
- 3) CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure

## Laser Emitting conditions:

- 1) When the Top Cover is removed, and the "STANDBY/ON" SW is turned to the "ON" position, the laser component will emit a beam for several seconds to detect if a disc is present. During this time (5-10 sec.) the laser may radiate through the lens of the laser pick-up unit. Do not attempt any servicing during this period!  
If no disc is detected, the laser will stop emitting the beam. When a disc is set, you will not be exposed to any laser emissions.
- 2) The laser power level can be adjusted with the VR on the pick-up PWB. However, this level has been set by the factory prior to shipping from the factory. Do not adjust this laser level control unless instruction is provided elsewhere in this manual.  
Adjustment of this control can increase the laser emission level from the device.

### Laser Diode Properties

Type: Semiconductor laser GaAlAs  
 Wave length: 658 nm (DVD)  
 790 nm (VCD/CD)  
 Output Power: CLASS IIa 1mW (DVD)  
 CLASS I 1mW (VCD/CD)  
 Output value is determined by CFR CHAPTER1, SUBCHAPTER J

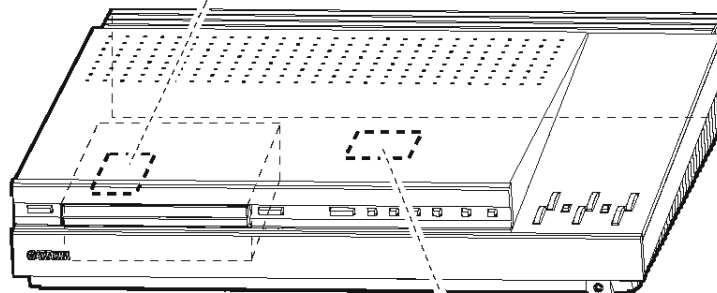
**VARO!** : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASER-SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.  
**WARNING!**: OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.

### WARNING

The use of optical instruments with this product will increase eye hazard.  
 Repair handling should take place as much as possible with a disc loaded inside the player

|                  |                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------|
| <b>DANGER</b>    | - VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM. (FDA 21 CFR)   |
| <b>CAUTION</b>   | - VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. (IEC60825-1)          |
| <b>ATTENTION</b> | - RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. EXPOSITION DANGEREUSE AU FAISCEAU.  |
| <b>ADVARSEL</b>  | - SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNNGÅ UDSÆTTELSE FOR STRÅLING.                     |
| <b>VARO!</b>     | - AVATTAESSA OLET ALTTIINA NÄKYYRÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE ÄLÄ KATSO SÄTEESEEN.            |
| <b>VARNING</b>   | - SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN.                |
| <b>ADVARSEL</b>  | - SYNLIG OG USYNLIG LASERSTRÅLING NÄR DEKSEL ÅPNE. UNNGÅ EKSPONERING FOR STRÅLEN.                |
| <b>VORSICHT</b>  | - SICHTBARE UND UNSICHTBARE LASERSTRÄHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN. |
| <b>注意</b>        | - 打开时有可见及不可见激光辐射。避免激光束照射。                                                                        |
| <b>注意</b>        | - ここを開くと可視及び不可視のレーザー光が出ます。ビームを直視したり、操作したりしないでください。 RQLS0233                                      |

The label is put on the top of the DVD mechanism.



U, C, B, G, R models only

CLASS 1 LASER PRODUCT  
 LASER KLASSE 1 PRODUKT  
 LUOKAN 1 LASERLAITE  
 KLASS 1 LASER APPARAT  
 PRODUIT LASER DE CLASSE 1

The label is put on the bottom of the unit.

DVR-S100/NX-SW100

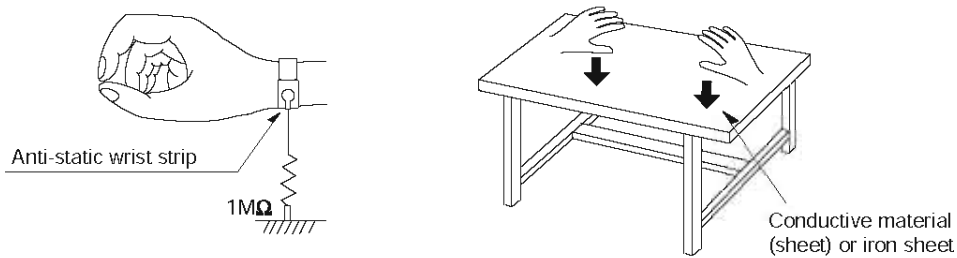
## ■ PREVENTION OF ELECTRO STATIC DISCHARGE

The laser diode in the traverse unit (optical pickup) may be damaged due to static electricity from clothes or the human body. Use caution to prevent electrostatic damage when servicing or handling the laser diode.

### 1. Grounding for electrostatic damage prevention

Some devices, such as the DVD player, use an optical pickup (laser diode) that will be damaged by static electricity in the working environment. Only attempt service after ensuring that all grounding procedures have been completed.

1. Worktable grounding  
Put a grounded conductive material (sheet) or iron sheet on the area where the optical pickup is placed.
2. Human body grounding  
Use an anti-static wrist strap to discharge the static electricity from your body.



### 2. Handling of the optical pickup

1. To prevent damage to the optical pickup replacement parts during transportation and before installation, both ends of the laser diode are short-circuited. After installing the new part, remove the short circuit according to the correct procedure in this service manual.
2. Do not use a tester to check the laser diode in the optical pickup. The power supply in the tester will damage the laser diode.

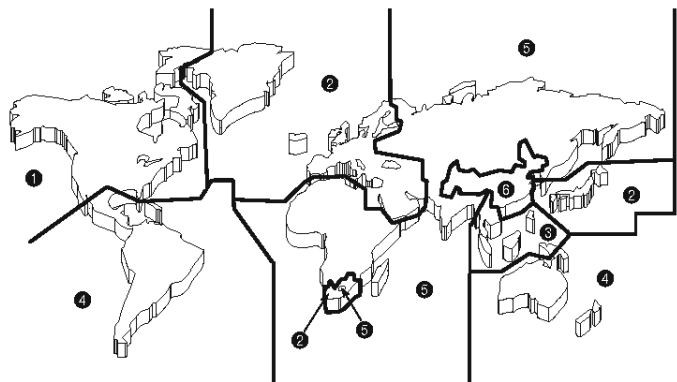
### 3. Handling Precautions for the Traverse Unit (Optical Pickup)

1. Handle the traverse unit (optical pickup) gently, as it is an extremely high-precision assembly.
2. The flexible cable lines may break if an excessive force is applied to it. Use caution when handling the cable.
3. The semi-fixed resistor for laser power adjustment should not be adjusted. Do not turn the resistor.

## ■ LOCALE MANAGEMENT INFORMATION

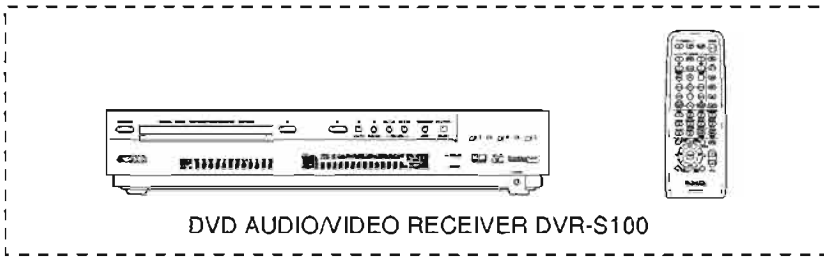
Locale Management Information : This DVD player is designed and manufactured to respond to the Locale Management Information that is recorded on the DVD disc. If the Locale number described on the DVD disc does not correspond to the Locale number of this DVD player, this DVD player cannot play this disc.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

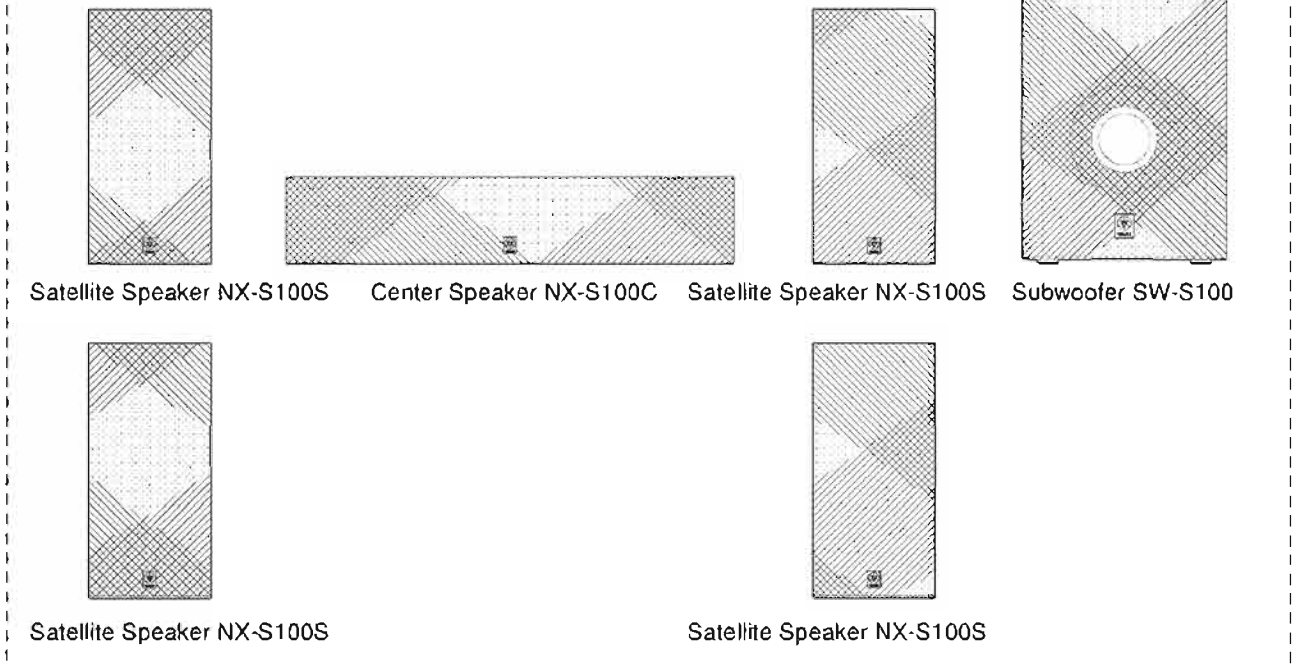


## SYSTEM COMPOSITION / システム構成

The DVX-S100 is composed of the DVR-S100 and the NX-SW100.

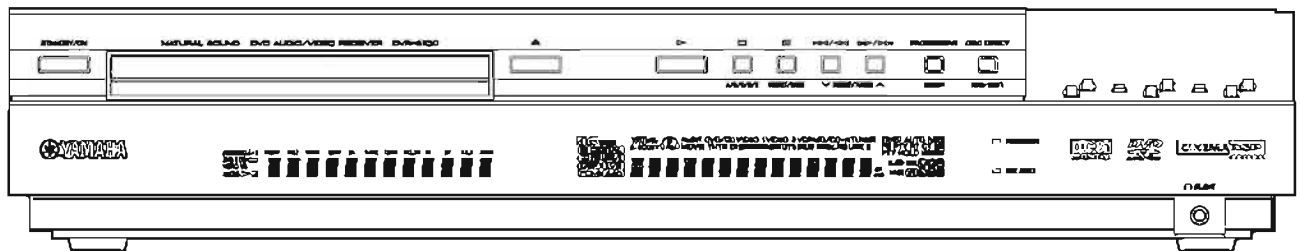


The NX-SW100 is composed of the SW-S100, the NX-S100C and NX-S100S.

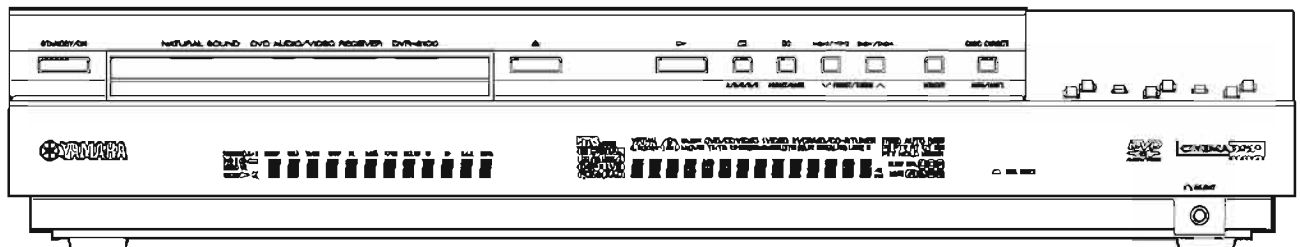


## FRONT PANELS

DVR-S100 (U, C models)

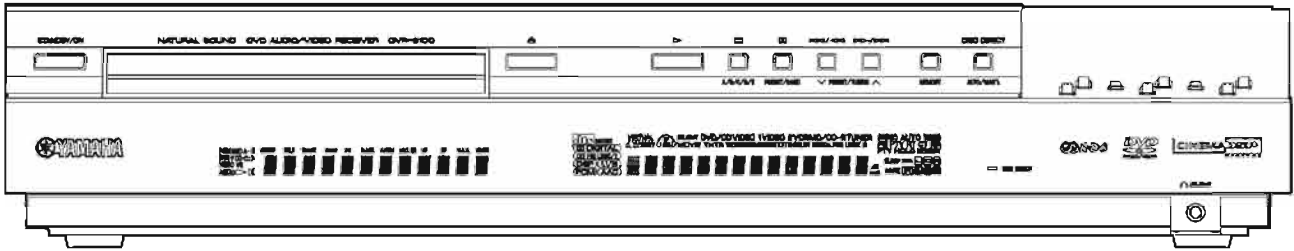


DVR-S100 (A, R models)

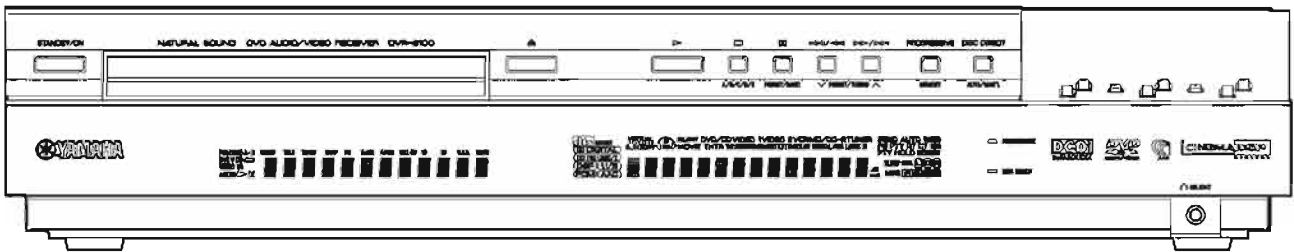


DVR-S100/NX-SW100

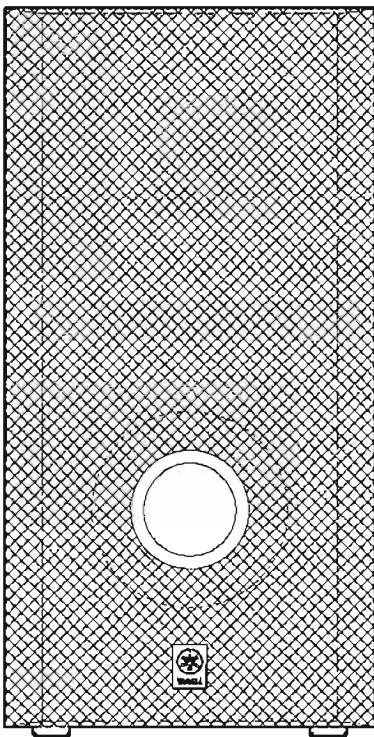
DVR-S100 (B, G models)



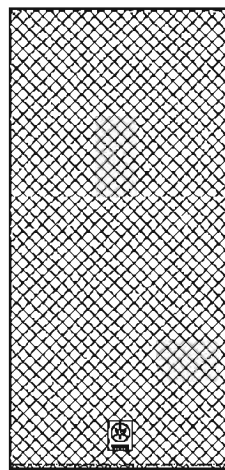
DVR-S100 (J model)



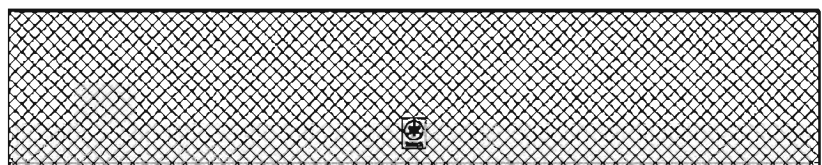
Subwoofer SW-S100



Satellite Speaker NX-S100S

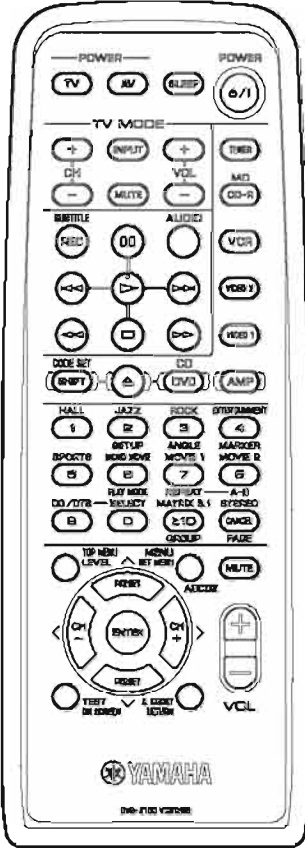


Center Speaker NX-S100C

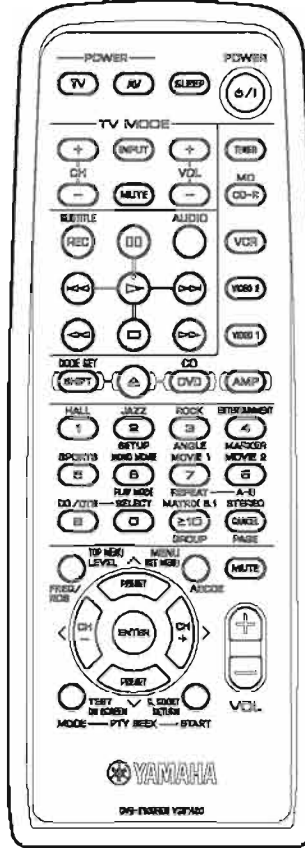


## ■ REMOTE CONTROL PANELS

U, C, A, R, J models

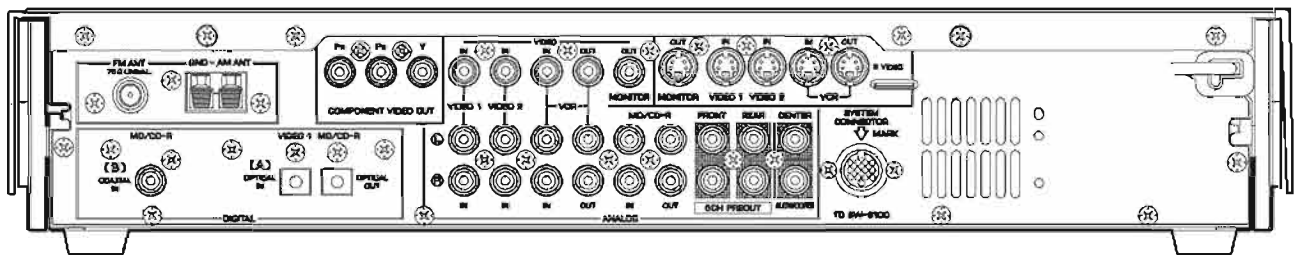


B, G models

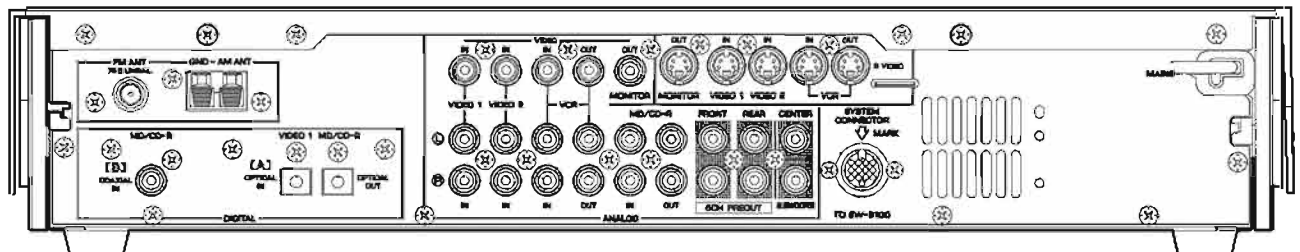


## ■ REAR PANELS

DVR-S100 (U, C, A models)

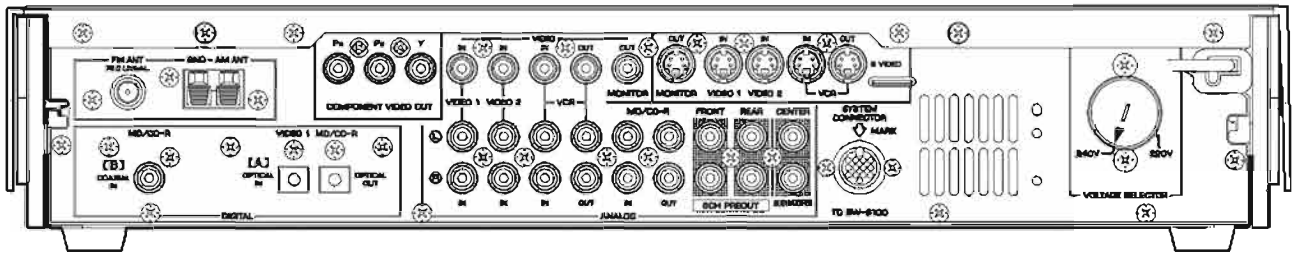


DVR-S100 (B, G models)

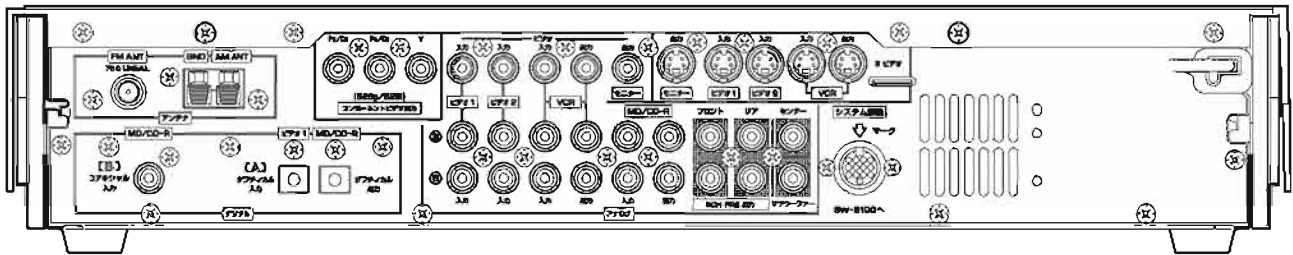


DVR-S100/NX-SW100

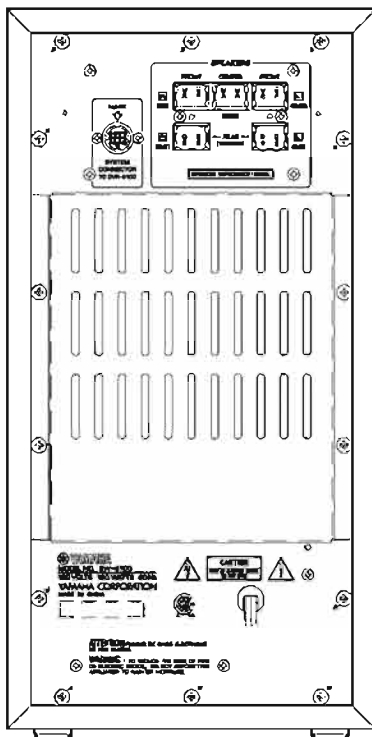
DVR-S100 (R model)



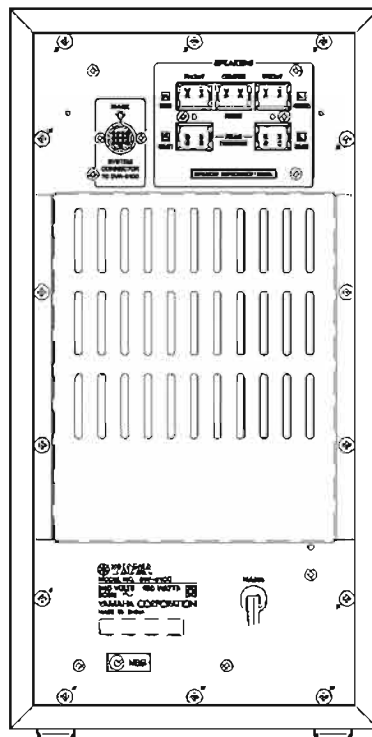
DVR-S100 (J model)



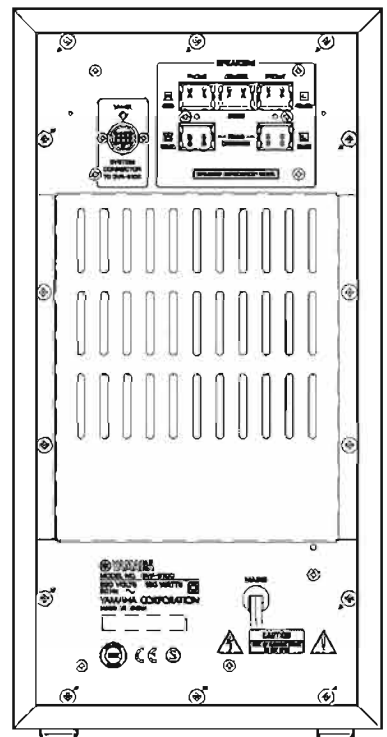
Subwoofer SW-S100 (U, C models)



Subwoofer SW-S100 (A model)



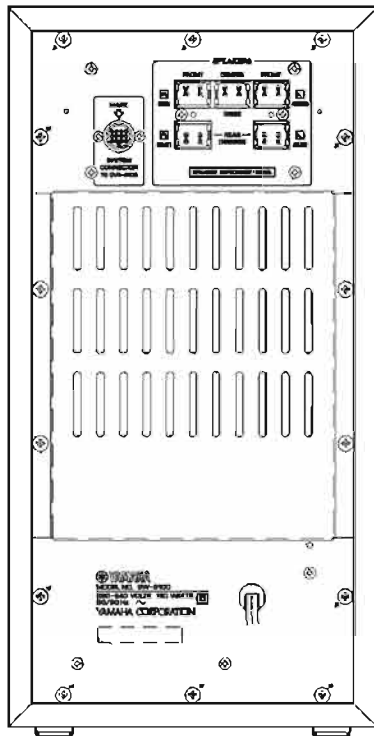
Subwoofer SW-S100 (B, G models)



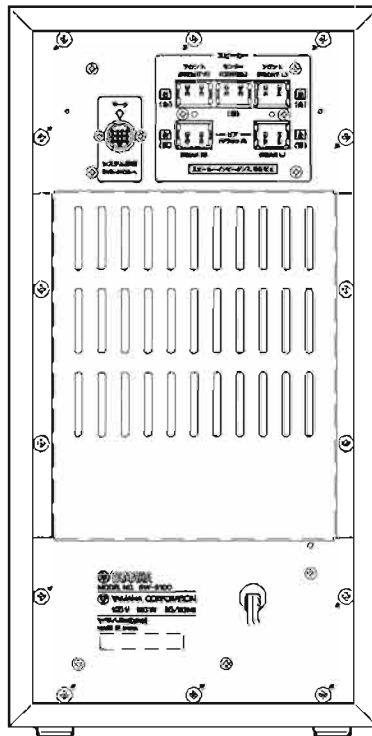
DVR-S100/NX-SW100



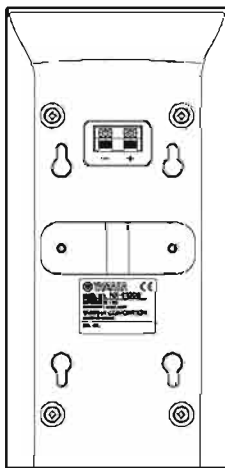
Subwoofer SW-S100 (R model)



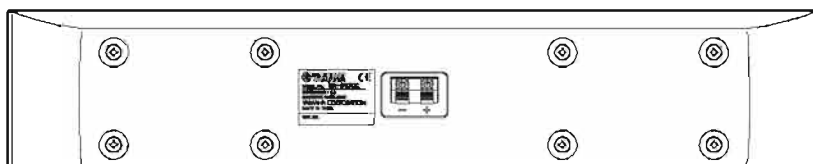
Subwoofer SW-S100 (J model)



Satellite Speaker NX-S100S



Center Speaker NX-S100C



## ■ SPECIFICATIONS / 参考仕様

### ■ DVR-S100

#### ● Audio Section / オーディオ部

|                                                                                                    |                    |
|----------------------------------------------------------------------------------------------------|--------------------|
| <b>Input Sensitivity / Input Impedance</b> (入力感度/入力インピーダンス)<br>VCR, VIDEO1, VIDEO2, MD/CD-R        | 200 mV / 47 k-ohms |
| <b>Maximum Input Signal Level / 最大許容入力</b><br>VCR, VIDEO1, VIDEO2, MD/CD-R (1kHz, 0.5% THD)        | 2.2V               |
| <b>Output Level / Output Impedance</b> (出力電圧/出力インピーダンス)<br>(1kHz 200mV INPUT, Subwoofer 50Hz)      |                    |
| REC OUT                                                                                            | 200mV / 1.2 k-ohms |
| PRE OUT (FRONT L/R, CENTER, REAR L/R)                                                              | 1V                 |
| PRE OUT (SUB WOOFER/FRONT SP: Small)                                                               | 4V                 |
| HEADPHONE                                                                                          | 165mV / 100 ohms   |
| <b>Frequency Response / 周波数特性</b><br>(FRONT L/R, 20 Hz to 88 kHz, DISC DIRECT ON)                  |                    |
| PRE OUT                                                                                            | +0/-3.0dB          |
| <b>Signal to Noise Ratio / 信号対雑音比 (IHF-A network)</b><br>(EFFECT OFF, Input shorted 200mV, PREOUT) |                    |
| VCR, VIDEO1, VIDEO2, MD/CD-R                                                                       | 95dB or more       |

#### ● Video Section / ビデオ部

|                                                                                                                          |                      |
|--------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Video Signal Type / ビデオ信号方式</b><br>U, C, J models                                                                     | NTSC                 |
| A, B, G models                                                                                                           | PAL                  |
| R model                                                                                                                  | NTSC or PAL          |
| <b>Video Signal Level / ビデオ信号</b>                                                                                        | 1 Vp-p / 75 ohms     |
| <b>S-Video Signal Level / Sビデオ信号</b><br>Y                                                                                | 1 Vp-p / 75 ohms     |
| C                                                                                                                        | 0.286 Vp-p / 75 ohms |
| <b>Maximum Input Level / 最大許容入力</b><br>VCR, VIDEO1, VIDEO2                                                               | 1.5 Vp-p             |
| <b>Signal to Noise Ratio / 信号対雑音比</b><br>MONITOR OUT                                                                     | 50 dB or more        |
| <b>Monitor Out Frequency Response / モニターアウト周波数帯域</b><br>Video Signal Level, S-Video Signal Level 5 Hz to 10 MHz, 0/-3 dB |                      |

#### ● Tuner Section / チューナー部

|                                                                      |                     |
|----------------------------------------------------------------------|---------------------|
| <b>FM Tuning Range / FM受信周波数範囲</b><br>U, C models                    | 87.5 to 107.9 MHz   |
| A, B, G, R models                                                    | 87.50 to 108.00 MHz |
| J model                                                              | 76.0 to 90.0 MHz    |
| <b>FM Usable Sensitivity / FM実用感度</b><br>(MONO)<br>U, C, R, J models | 1.5 μV (14.8 dBf)   |
| A, B, G models                                                       | 1.8 μV              |
| <b>AM Tuning Range / AM受信周波数範囲</b><br>U, C models                    | 530 to 1,710 kHz    |
| A, B, G, R, J models                                                 | 531 to 1,611 kHz    |

#### ● DVD Section / DVD部

|                                                                                    |                      |
|------------------------------------------------------------------------------------|----------------------|
| <b>Output Level / 出力レベル</b><br>(DVD/VIDEO CD/CD-DA, 1kHz, 0dB)<br>REC OUT          | 2 ± 0.3V             |
| <b>Signal to Noise Ratio / 信号対雑音比</b><br>(DVD/VIDEO CD/CD-DA, Weighted)<br>REC OUT | 109 dB or more       |
| <b>Dynamic Range / ダイナミックレンジ</b><br>(REC OUT)<br>DVD 48kHz, 24bit                  | 100 dB or more       |
| CD-DA/VIDEO CD                                                                     | 96 dB or more        |
| <b>Harmonic Distortion + Noise / 歪率 + ノイズ</b><br>(DVD/VIDEO CD/CD-DA)<br>REC OUT   | 0.008% or less       |
| <b>Frequency Response / 周波数特性</b><br>(PRE OUT)<br>CD-DA/VIDEO CD                   | 10Hz to 20kHz        |
| DVD 48kHz Sampling                                                                 | 10Hz to 22kHz        |
| DVD 96kHz Sampling                                                                 | 10Hz to 44kHz        |
| DVD Audio 192kHz Sampling                                                          | 10Hz to 88kHz        |
| <b>Video Output / 映像信号出力</b>                                                       | 1 Vp-p / 75 ohms     |
| <b>S-Video Output / Sビデオ出力</b><br>Y                                                | 1 Vp-p / 75 ohms     |
| C (U, C, R, J models)                                                              | 0.286 Vp-p / 75 ohms |
| C (A, B, G models)                                                                 | 0.3 Vp-p / 75 ohms   |
| <b>Component Video Output / コンポーネントビデオ出力</b><br>U, C, A, R, J models               |                      |
| Y                                                                                  | 1 Vp-p / 75 ohms     |
| Pb                                                                                 | 0.7 Vp-p / 75 ohms   |
| Pr                                                                                 | 0.7 Vp-p / 75 ohms   |

#### ● General / 総合

|                                           |                        |
|-------------------------------------------|------------------------|
| <b>Power Supply / 電源電圧</b><br>U, C models | AC 120 V, 60 Hz        |
| A model                                   | AC 240 V, 50 Hz        |
| B, G models                               | AC 230 V, 50 Hz        |
| R model                                   | AC 220-240 V, 50/60 Hz |
| J model                                   | AC 100V, 50/60 Hz      |

#### Power Consumption / 消費電力

|                                                                                          |       |
|------------------------------------------------------------------------------------------|-------|
| U, C, A, B, G, R models                                                                  | 40W   |
| J model                                                                                  | 35W   |
| <b>Standby Power Consumption (reference data) / 待機電力(参考値)</b><br>U, C, A, B, G, J models | 0.4 W |
| R model                                                                                  | 0.5 W |

#### Dimensions / 寸法 (W x H x D)

|  |                                                  |
|--|--------------------------------------------------|
|  | 435 x 84 x 360 mm (17-1/8" x 3-5/16" x 14-3/16") |
|--|--------------------------------------------------|

#### Weight / 重量

|  |                        |
|--|------------------------|
|  | 6.0 kg (13 lbs. 4 oz.) |
|--|------------------------|

#### Accessories / 付属品

Remote Control, Batteries (Manganese Dry), Indoor FM Antenna, AM Loop Antenna, VIDEO Pin Cable

### ■ NX-SW100

#### ● Amplifier Section / アンプ部

|                                                                                    |               |
|------------------------------------------------------------------------------------|---------------|
| <b>Minimum RMS Output Power / 定格出力</b><br>FRONT L/R (6 ohms, 1kHz, 0.9% THD)       | 33W + 33W     |
| CENTER (6 ohms, 1kHz, 0.9% THD)                                                    | 33W           |
| REAR L/R (6 ohms, 1kHz, 0.9% THD)                                                  | 33W + 33W     |
| SUB WOOFER (5 ohms, 100 Hz, 0.9% THD)                                              | 40W           |
| (U, C models only)                                                                 |               |
| FRONT L/R (6 ohms, 20Hz to 20 kHz, 0.9% THD)                                       | 25W + 25W     |
| CENTER (6 ohms, 20Hz to 20 kHz, 0.9% THD)                                          | 25W           |
| REAR L/R (6 ohms, 20Hz to 20 kHz, 0.9% THD)                                        | 25W + 25W     |
| <b>Maximum Power / 実用最大出力 (EIAJ)</b><br>FRONT L/R (6 ohms, 1kHz, 10% THD)          | 40W + 40W     |
| CENTER (6 ohms, 1kHz, 10% THD)                                                     | 40W           |
| REAR L/R (6 ohms, 1kHz, 10% THD)                                                   | 40W + 40W     |
| SUB WOOFER (5 ohms, 100 Hz, 10% THD)                                               | 50W           |
| <b>Total Harmonic Distortion / 全高調波歪率 (1kHz, 20W)</b><br>FRONT L/R                 | 0.05% or less |
| <b>Signal to Noise Ratio / 信号対雑音比 (IHF-A network)</b><br>FRONT L/R (Input shorted) | 95 dB or more |

#### ● Speaker Section / スピーカー部

##### Type / 型式

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| (Magnetic -Shielding Type)<br>SW-S100 | Advanced Yamaha Active Servo Technology |
| NX-S100C                              | 2-way Bass Reflex                       |
| NX-S100S                              | 2-way Bass Reflex                       |

##### Drivers / スピーカーユニット

|          |                                               |
|----------|-----------------------------------------------|
| SW-S100  | 16cm Cone Woofer                              |
| NX-S100C | 7cm Cone Woofer x 3, 1.5cm Piezo tweeter      |
| NX-S100S | 10cm Cone Woofer, 1.9cm Balanced Dome Tweeter |

##### Impedance / インピーダンス

|          |        |
|----------|--------|
| SW-S100  | 5 ohms |
| NX-S100C | 6 ohms |
| NX-S100S | 6 ohms |

##### Nominal Input Power / 許容入力

|          |     |
|----------|-----|
| NX-S100C | 70W |
| NX-S100S | 30W |

##### Maximum Input Power / 最大入力

|          |      |
|----------|------|
| NX-S100C | 180W |
| NX-S100S | 110W |

##### Frequency Range / 再生周波数帯域

|          |                 |
|----------|-----------------|
| SW-S100  | 30Hz to 200Hz   |
| NX-S100C | 95Hz to 20 kHz  |
| NX-S100S | 110Hz to 27 kHz |

##### Sensitivity / 出力音圧レベル

|             |      |
|-------------|------|
| (1m, 2.83V) |      |
| NX-S100C    | 91dB |
| NX-S100S    | 91dB |

#### ● General / 総合

##### Power Supply / 電源電圧

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

##### Power Consumption / 消費電力

|                         |      |
|-------------------------|------|
| U, C, A, B, G, R models | 160W |
| J model                 | 120W |

##### Standby Power Consumption (reference data) / 待機電力(参考値)

|  |    |
|--|----|
|  | 0W |
|--|----|

##### Dimensions / 寸法 (W x H x D)

|          |                                                  |
|----------|--------------------------------------------------|
| SW-S100  | 200 x 395 x 416 mm (7-7/8" x 15-9/16" x 16-3/8") |
| NX-S100C | 440 x 85 x 122 mm (17-5/16" x 3-3/8" x 4-13/16") |
| NX-S100S | 120 x 250 x 92 mm (4-3/4" x 9-13/16" x 3-5/8")   |

##### Weight / 重量

|          |                         |
|----------|-------------------------|
| SW-S100  | 10.7 kg (23 lbs. 9 oz.) |
| NX-S100C | 1.7 kg (3 lbs. 12 oz.)  |
| NX-S100S | 1.1 kg (2 lbs. 7 oz.)   |

##### Accessories / 付属品

Speaker Cable (5m x 3, 15m x 2), System Control Cable (DIN 13 pin 5m x1), Fastener Tape (4 pcs), Side Pads (16 pcs), Non-Skid Pads (16 pcs)


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

※ 参考仕様および外観は予告なく変更されることがあります。

- |         |                  |         |                |
|---------|------------------|---------|----------------|
| U ..... | U.S.A. model     | C ..... | Canadian model |
| A ..... | Australian model | B ..... | British model  |
| G ..... | European model   | R ..... | General model  |
| J ..... | Japanese model   |         |                |



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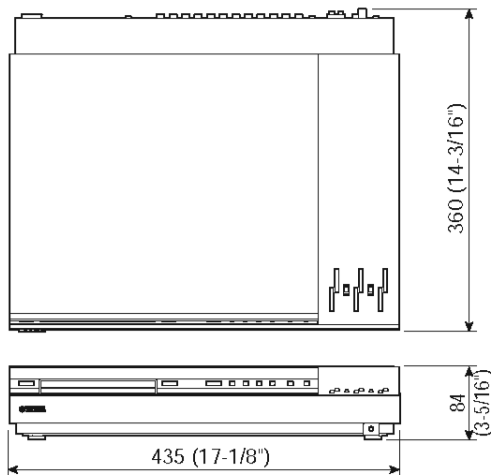
DCDiはSage社の事業部門であるFaroudiaの登録商標です。



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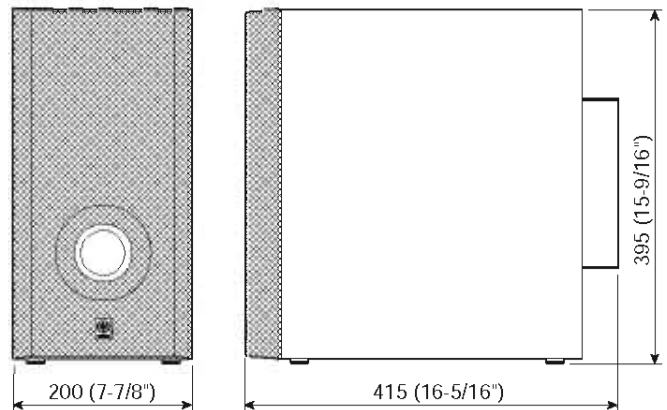
## DIMENSIONS / 寸法図

### • DVR-S100



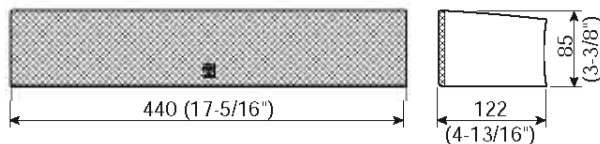
Unit : mm (inch)  
 単位: mm (インチ)

### • SW-S100



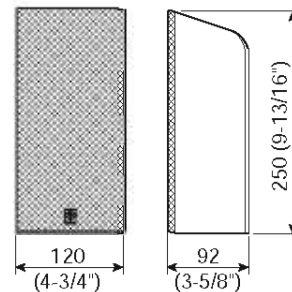
Unit : mm (inch)  
 単位: mm (インチ)

### • NX-S100C



Unit : mm (inch)  
 単位: mm (インチ)

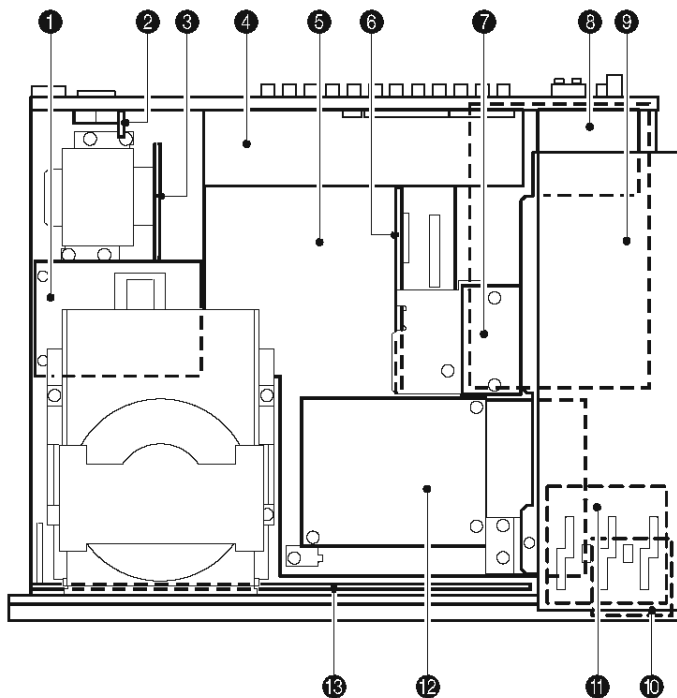
### • NX-S100S



Unit : mm (inch)  
 単位: mm (インチ)

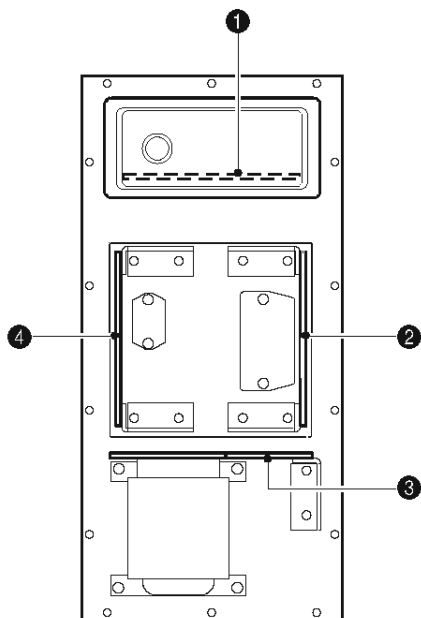
■ INTERNAL VIEW

• DVR-S100



- ① SUB (2) P.C.B.
- ② SUB (6) P.C.B. (R model only)
- ③ SUB (3) P.C.B.
- ④ MAIN (2) P.C.B.
- ⑤ MAIN (1) P.C.B.
- ⑥ SUB (1) P.C.B.
- ⑦ EX P.C.B.
- ⑧ TUNER
- ⑨ DSP P.C.B.
- ⑩ SUB (5) P.C.B.
- ⑪ SUB (4) P.C.B.
- ⑫ DVD MODULE P.C.B.
- ⑬ OPERATION P.C.B.

• SW-S100



- ① POWER AMP (3) P.C.B.
- ② POWER AMP (1) P.C.B.
- ③ POWER AMP (4) P.C.B.
- ④ POWER AMP (2) P.C.B.

## ■ DVR-S100 DISASSEMBLY PROCEDURE / DVR-S100分解手順

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

### 1. Removal of Top Cover Unit

- a. Remove 3 screws (①) and then remove the Cover/Side-L. (Fig. 1)
- b. Remove 4 screws (②) and then remove the Cover/Rear. (Fig. 1)
- c. Remove 2 screws (③) and 2 screws (④). (Fig. 1)
- d. Slide the Top Cover Unit rearward to remove it. (Fig. 1)

### 2. Removal of Top Panel Unit

- a. Remove 3 screws (⑤) and then remove the Cover/Side-R. (Fig. 1)
- b. Remove 3 screws (⑥) and 2 screws (⑦). (Fig. 1)
- c. Remove the Top Panel Unit. (Fig. 1)

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

### 1. トップカバーユニットの外し方

- a. ①のネジ3本を外し、カバー/サイド-Lを取り外します。(Fig. 1)
- b. ②のネジ4本を外し、カバー/リアを取り外します。(Fig. 1)
- c. ③のネジ2本、④のネジ2本を外します。(Fig. 1)
- d. トップカバーユニットを後方へスライドさせ、取り外します。(Fig. 1)

### 2. トップパネルユニットの外し方

- a. ⑤のネジ3本を外し、カバー/サイド-Rを取り外します。(Fig. 1)
- b. ⑥のネジ3本、⑦のネジ2本を外します。(Fig. 1)
- c. トップパネルユニットを取り外します。(Fig. 1)

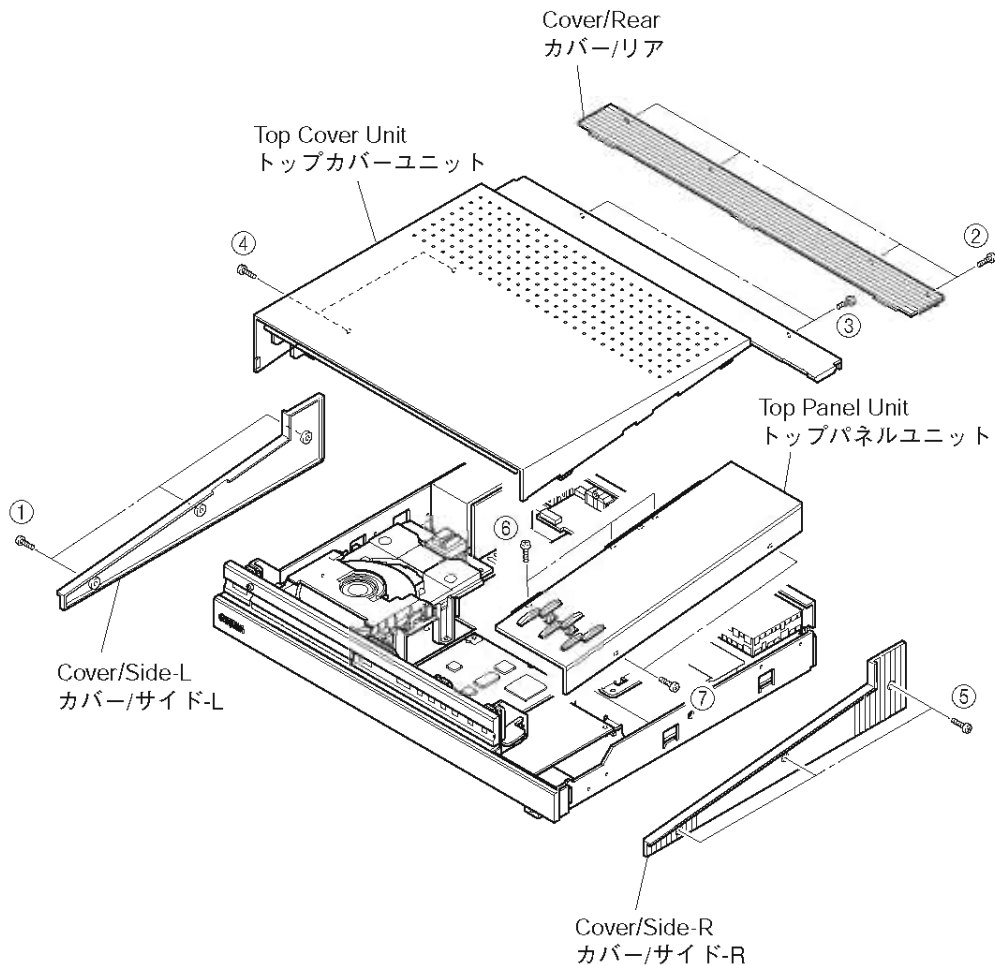


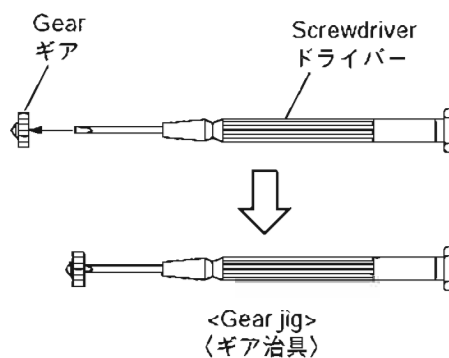
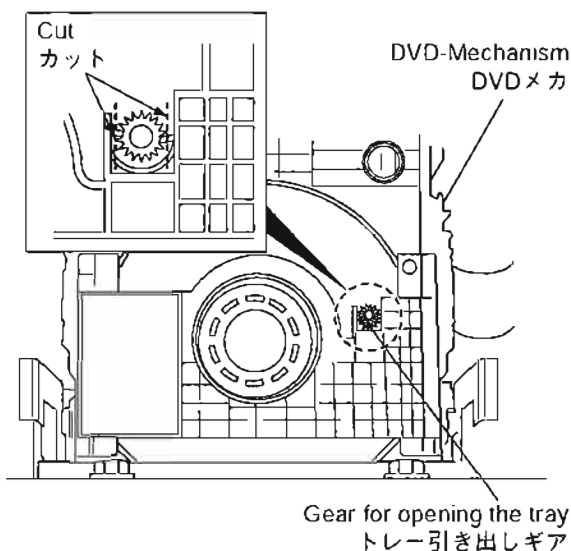
Fig. 1

3. Removal of Tray Lid

- a. Pull the tray out of the DVD-Mechanism. Remove the gear and install it onto a screwdriver to make a gear jig. (Fig. 2)
- b. Insert the gear jig into the tray open/close hole. (Fig. 3)
- 3. Turn the gear jig counterclockwise to open the tray. (Fig. 3)
- 4. Remove the tray lid from the tray section. (Fig. 4)

3. トレーリッドの外し方

- a. DVDメカよりトレー引き出しギアを外し、ドライバーに挿入し、ギア治具を準備します。(Fig. 2)
- b. ギア治具をトレー開閉穴に挿し込みます。(Fig. 3)
- c. ギア治具を反時計方向に回し、トレーをオープンさせます。(Fig. 3)
- d. トレー部よりトレーリッドを取り外します。(Fig. 4)



Keep the Gear after using  
使用後、ギアは大切に保管してください。

Fig. 2

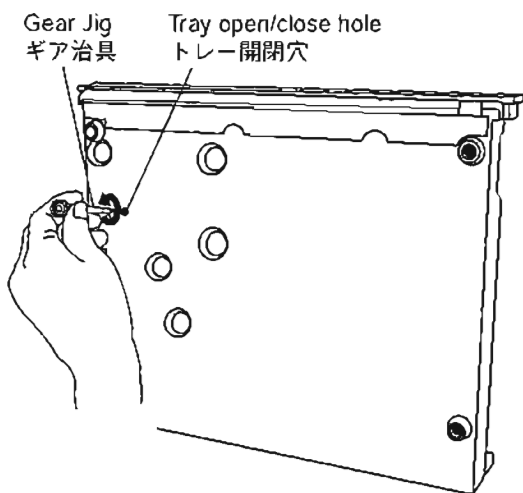


Fig. 3

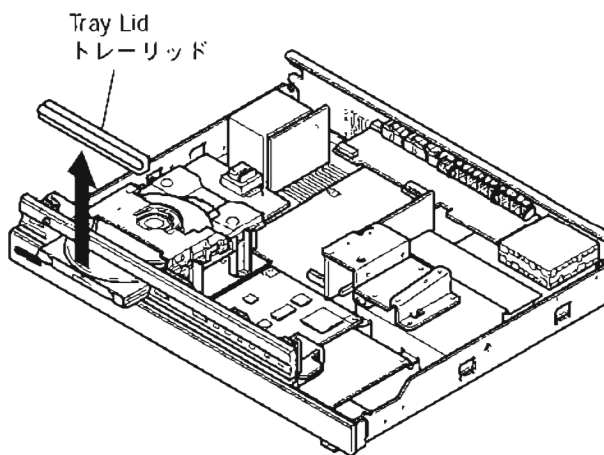


Fig. 4

DVR-S100/NX-SW100

**4. Removal of Rear Panel Unit**

- a. Remove 18 screws (⑧) and 2 screws (⑨). (Fig. 5)
- b. Remove the Rear Panel. (Fig. 6)

**4. リアパネルの外し方**

- a. ⑧のネジ18本、⑨のネジ2本を外します。(Fig. 5)
- b. リアパネルを取り外します。(Fig. 6)

**5. Removal of Front Panel Unit**

- a. Remove 2 screws (⑩) and 2 screws (⑪). (Fig. 6)
- b. Remove 4 screws (⑫) and then remove the Front Panel Unit. (Fig. 6)

**5. フロントパネルユニットの外し方**

- a. ⑩のネジ2本、⑪のネジ2本を外します。(Fig. 6)
- b. ⑫のネジ4本を外し、フロントパネルユニットを取り外します。(Fig. 6)

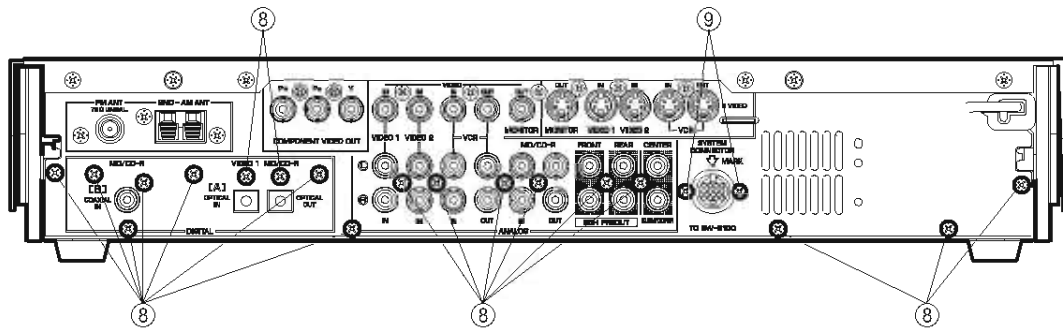


Fig. 5

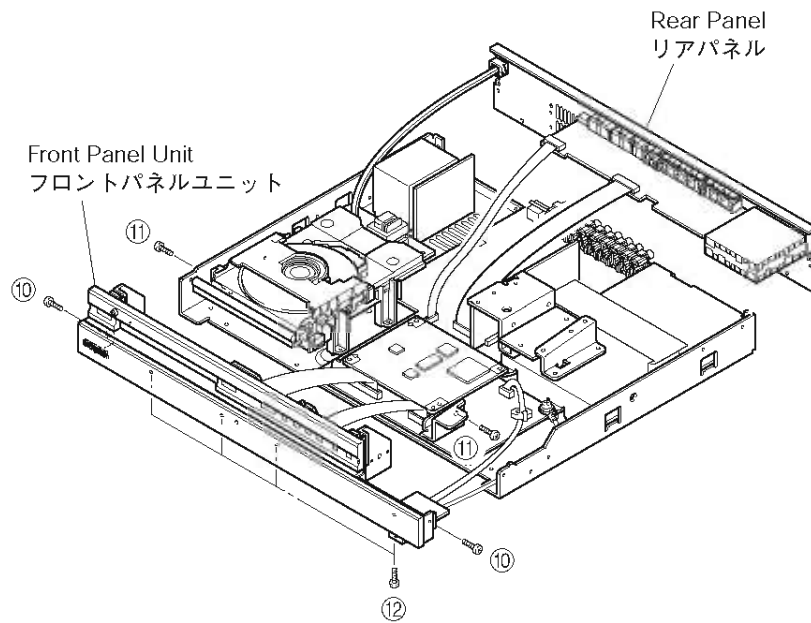


Fig. 6

**6. Removal of DVD-Mechanism**

- a. Remove 4 screws (13). (Fig. 7)
- b. Remove the DVD-Mechanism. (Fig. 7)

**7. Removal of DVD Module P.C.B.**

- a. Remove 3 screws (14). (Fig. 7)
- b. Remove the DVD module P.C.B. with the tip of the support pinched with pliers or the like. (Fig. 7)

**6. DVDメカの外し方**

- a. ⑬のネジ4本を外します。(Fig. 7)
- b. DVDメカを取り外します。(Fig. 7)

**7. DVDモジュールP.C.B.の外し方**

- a. ⑭のネジ3本を外します。(Fig. 7)
- b. サポートの先をペンチ等でつまみながら、DVDモジュールP.C.B.を取り外します。(Fig. 7)

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

- Reconnect all cables (connectors) that have been disconnected.
- Connect the DVD module P.C.B. and MAIN (1) P.C.B. with servicing extension cable. (Fig. 8)  
 Extension cable for pin No. 26: TX946370 (JGS0098)  
 Extension cable for pin No. 22: AAX16610 (JGS0116)
- Using a lead wire or the like, connect the earth of the DVD module P.C.B. to the chassis or GND.

**DVDモジュールP.C.B.をチェックする場合には**

- 外したケーブル(コネクター)をすべて接続してください。
- DVDモジュールP.C.B.とMAIN (1) P.C.B.間を、サービス用延長ケーブルで接続します。(Fig. 8)  
 26ピン延長ケーブル: TX946370 (JGS0098)  
 22ピン延長ケーブル: AAX16610 (JGS0116)
- DVDモジュールP.C.B.のアースを、リード線等でシャーシまたはGNDに接続してください。

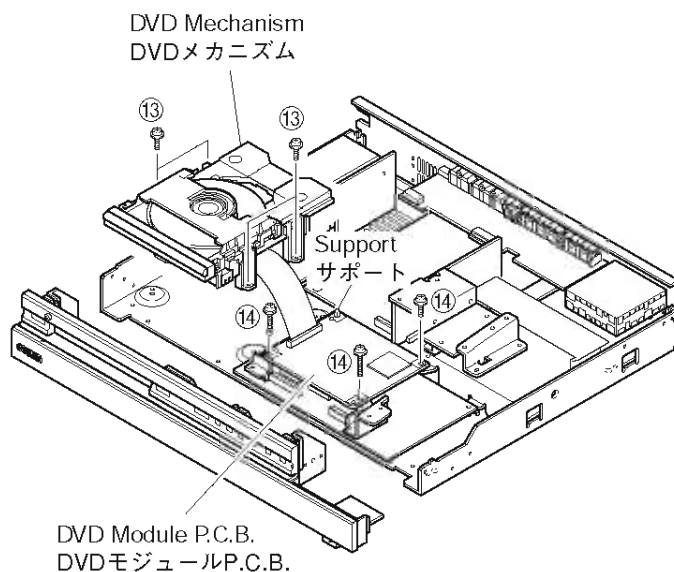


Fig. 7

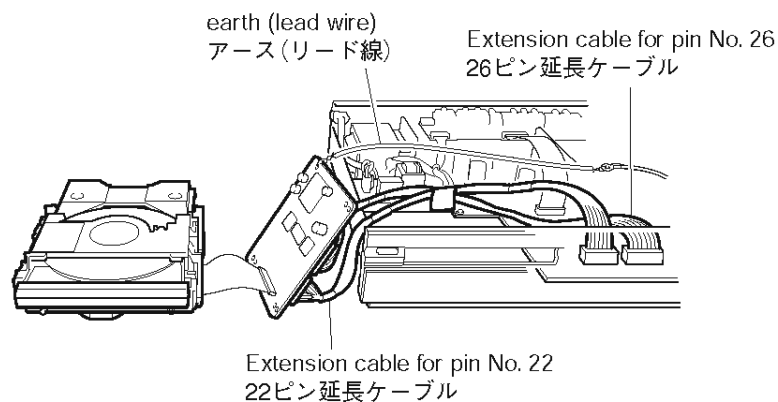


Fig. 8

DVR-S100/NX-SW100



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

- a. Remove 3 screws (15). (Fig. 9)
- b. Remove the Tuner. (Fig. 10)
- c. Remove 3 screws (16). (Fig. 9)
- d. Remove CB5. (Fig. 10)
- e. Remove 3 screws (17) and then remove the Shield Frame. (Fig. 10)
- f. Remove 3 screws (18). (Fig. 9)
- e. Remove 3 screws (19) and then remove the DSP P.C.B.. (Fig. 10)

**8. DSP P.C.B.の外し方**

- a. 15のネジ3本を外します。(Fig. 9)
- b. チューナーを取り外します。(Fig. 10)
- c. 16のネジ3本を外します。(Fig. 9)
- d. CB5を外します。(Fig. 10)
- e. 17のネジ3本を外し、シールドフレームを取り外します。(Fig. 10)
- f. 18のネジ3本を外します。(Fig. 9)
- e. 19のネジ3本を外し、DSP P.C.B.を取り外します。(Fig. 10)

**9. Removal of MAIN P.C.B.**

- a. Remove 6 screws (20). (Fig. 9)
- b. Remove 2 screws (21) and then remove the MAIN (1) P.C.B. together with the rear panel. (Fig. 10)

**9. MAIN P.C.B.の外し方**

- a. 20のネジ6本を外します。(Fig. 9)
- b. 21のネジ2本を外し、リアパネルといっしょにMAIN (1) P.C.B.を取り外します。(Fig. 10)

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

- Using a servicing extension cable, connect the MAIN (1) P.C.B. and OPERATION P.C.B. (Fig. 11)  
Extension cable for pin No. 28: MF128250  
Extension cable for pin No. 15: MF115250
- Using lead wires or the like, connect the earth at 3 locations on the MAIN (1) P.C.B., at 1 location on the DSP P.C.B. and rear panel to the chassis or GND. (Fig. 11)

**P.C.B.チェックをする場合には**

- MAIN (1) P.C.B.とOPERATION P.C.B.間を、サービス用延長ケーブルで接続します。(Fig. 11)  
28ピン延長ケーブル: MF128250  
15ピン延長ケーブル: MF115250
- MAIN (1) P.C.B.のアース3箇所、DSP P.C.B.のアース1箇所およびリアパネルを、リード線等でシャーシまたはGNDに接続してください。(Fig. 11)

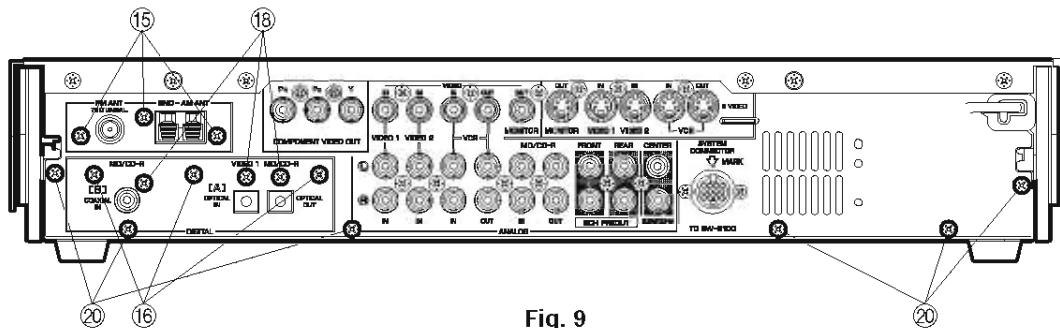


Fig. 9

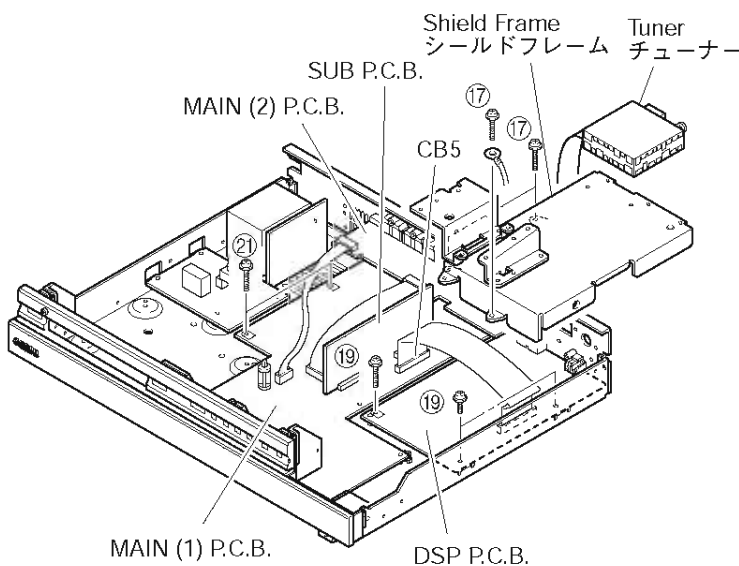


Fig. 10

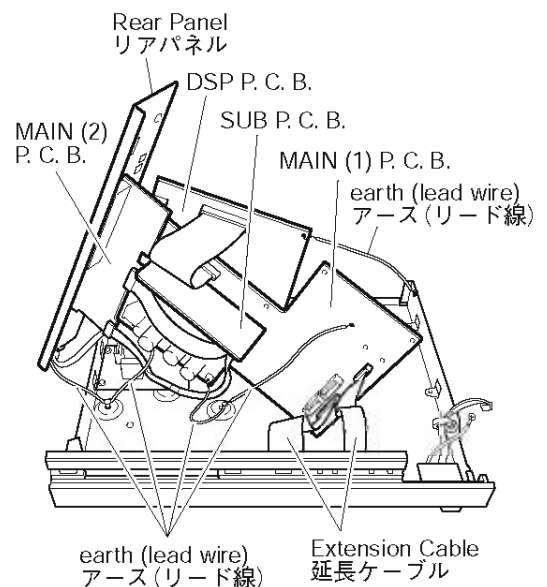


Fig. 11

## ■ SW-S100 DISASSEMBLY PROCEDURE / SW-S100分解手順

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

### 1. Removal of Grille Assembly

- Insert the tip of flat tip (-) screwdriver to the slot on the bottom.  
Push up the Grille Assembly by applying force to the screwdriver. (Fig. 12)
- Keep pushing up the Grille Assembly gradually until it can be removed. (Fig. 12)

\* The Grille Assembly is fixed securely at 6 dowels.  
When removing it, use care not to cause a scratch or any damage to the main unit.  
When reinstalling it, apply quick-drying type bond to the dowels of the Grille Assembly and fit it in place securely. (If it is only pushed in, it will come off easily.)

### 2. Removal of Top Amplifier Unit

Remove 14 screws (㉔) and then remove the Amplifier Unit. (Fig. 13)

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

### 1. グリルAss'yの外し方

- 底側からマイナスドライバーを差し込み、グリルAss'yを押し上げます。(Fig. 12)
- 徐々に上面へマイナスドライバーで押し上げて、グリルAss'yを取り外します。(Fig. 12)

※ グリルAss'yは6箇所のダボで固定されています。取り外しの際、本体に傷が付かないように十分注意してください。  
取り付け時には、グリルAss'yのダボに速乾ボンドなどを塗って差し込み、固定してください。(グリルAss'yを差し込むだけでは、簡単に外れてしまいます。)

### 2. アンプユニットの外し方

㉔のネジ14本を外し、アンプユニットを取り外します。(Fig. 13)

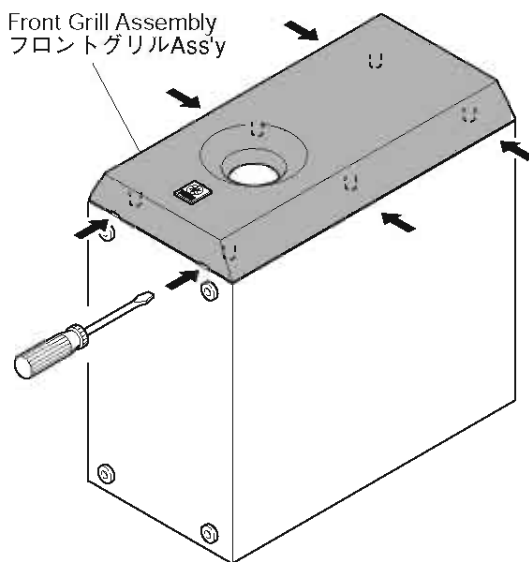


Fig. 12

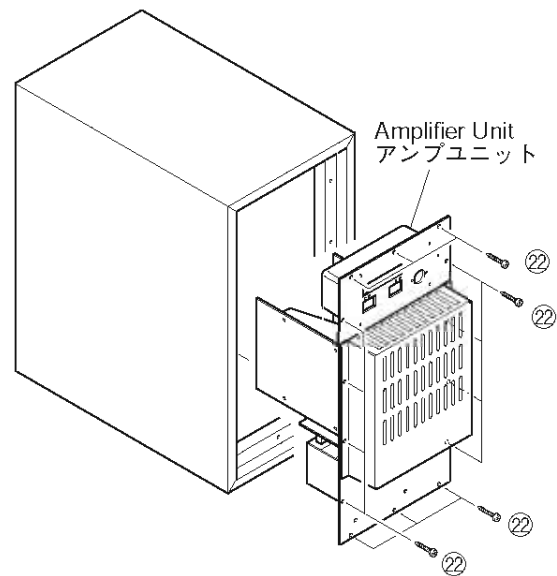


Fig. 13

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

The power to the SW-S100 cannot be turned on independently. Connect the DVR-S100 or an external DC power source and use it to turn on the power.

### 1. When using the DVR-S100

- Using the system connection cable (DIN 13P) supplied with the unit, connect the system connector terminal of the DVR-S100 and that of the SW-S100.
- Connect the power cords of the DVR-S100 and SW-S100 to the service outlet.
- Press the STANDBY/ON button of the DVR-S100.

### 2. When using the external DC power source

- Prepare a DC power source and set the output voltage to 10V in advance. (Fig. 14)
- Connect pins No. 5, 10 and 13 of the system connector terminal of the SW-S100 and the (+) output terminal of the DC power source with a cable. (Fig. 14)
- Connect the pin No. 7 of the system connector terminal of the SW-S100 and the (-) output terminal of the DC power source with a cable. (Fig. 14)
- Connect the power cords of the SW-S100 and the DC power source to the service outlet.
- Turn on the power switch of the DC power source.

## P.C.B.チェックをする場合には

SW-S100は単独で電源を投入することができません。DVR-S100または外部DC電源を接続して、それにより電源を投入します。

### 1. DVR-S100を使用する場合

- DVR-S100のシステムコネクター端子とSW-S100のシステムコネクター端子を、付属のシステム接続ケーブル (DIN 13P) で接続します。
- DVR-S100およびSW-S100の電源コードを、電源コンセントに接続します。
- DVR-S100のSTANDBY/ONボタンを押します。

### 2. 外部DC電源を使用する場合

- DC電源を用意し、あらかじめ出力電圧を10Vに設定します。(Fig. 14)
- SW-S100のシステムコネクター端子5、10、13ピンと、DC電源+出力端子をケーブルで接続します。(Fig. 14)
- SW-S100のシステムコネクター端子7ピンと、DC電源-出力端子をケーブルで接続します。(Fig. 14)
- SW-S100およびDC電源の電源コードを、電源コンセントに接続します。
- DC電源の電源SWをONします。

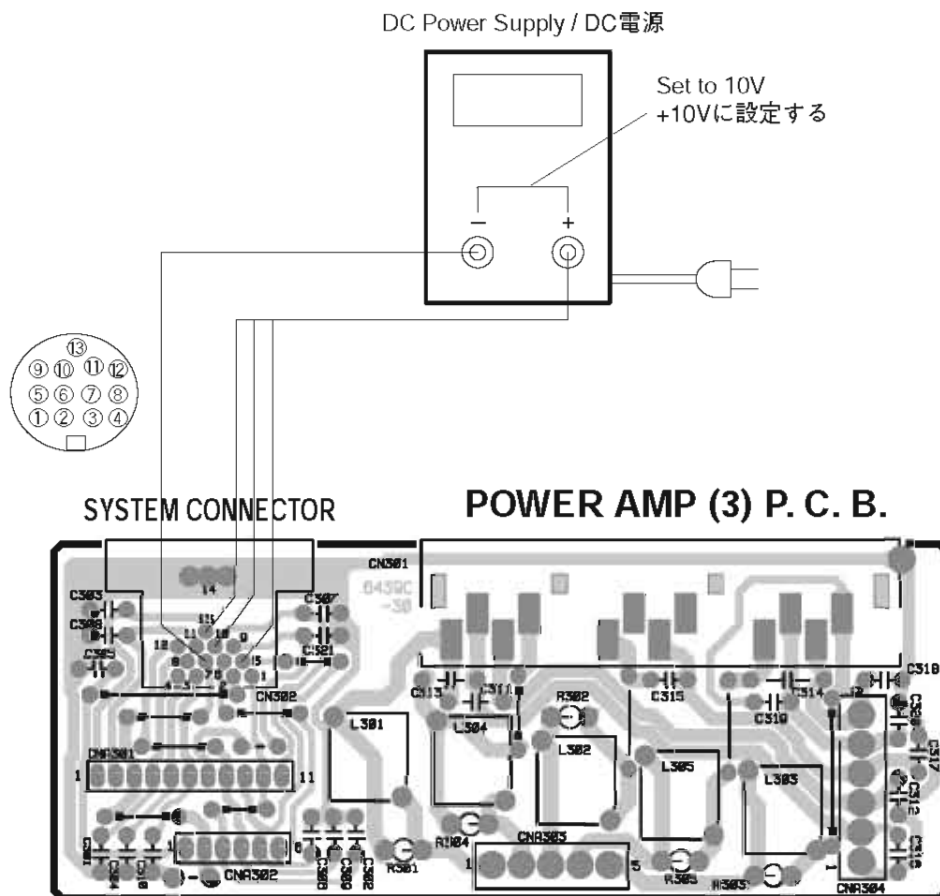
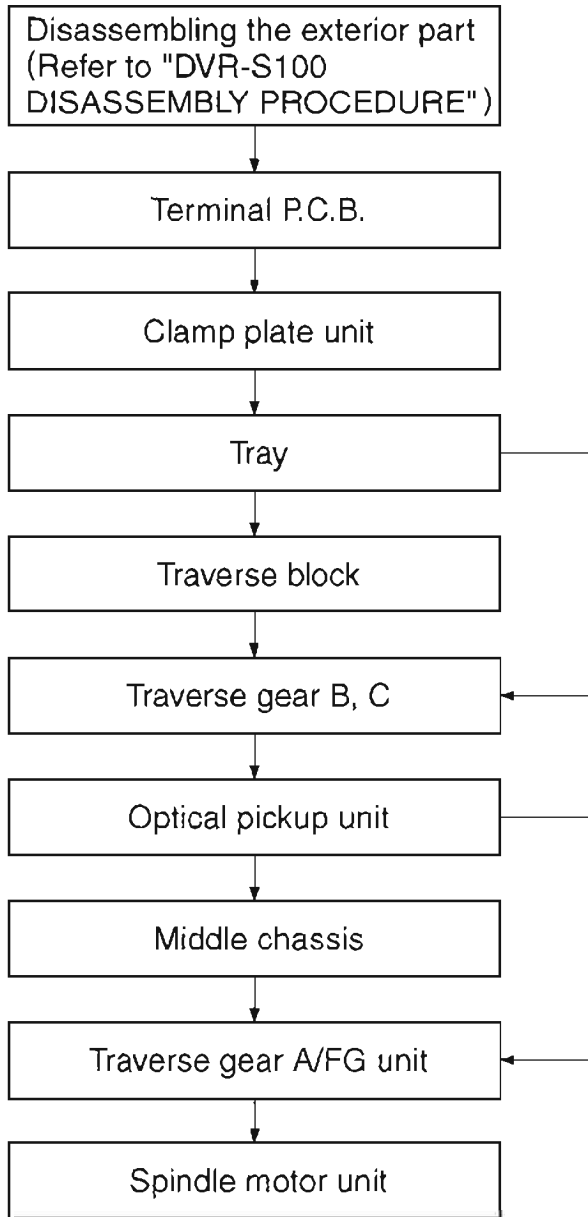


Fig. 14

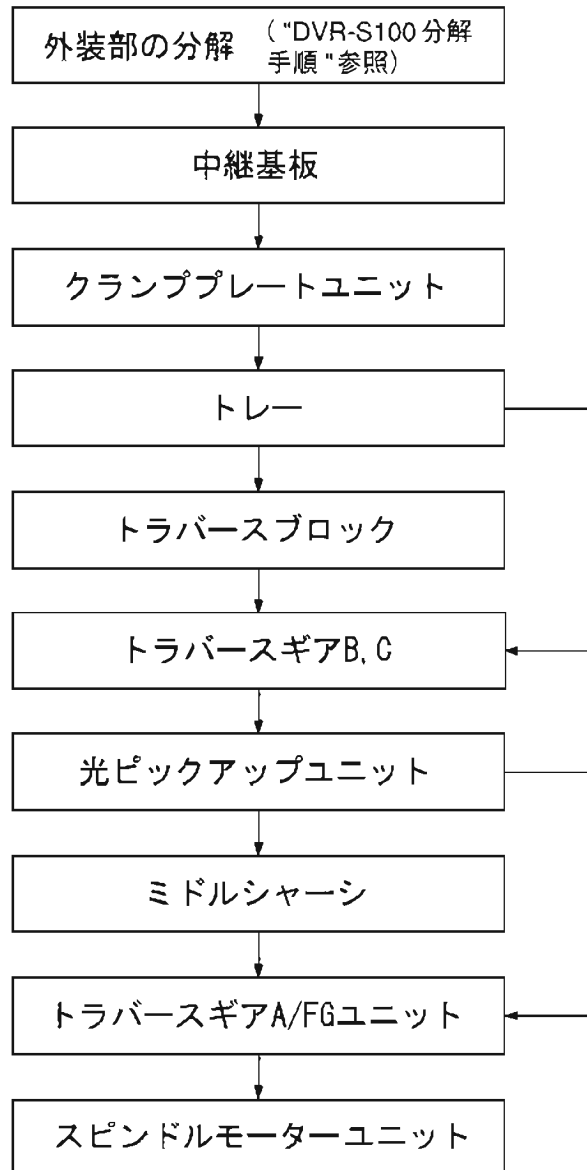
## ■ ASSEMBLING AND DISASSEMBLING THE MECHANISM UNIT /

### メカニズムユニットの分解組立

#### 1. Disassembly Procedure



#### 1. 分解手順

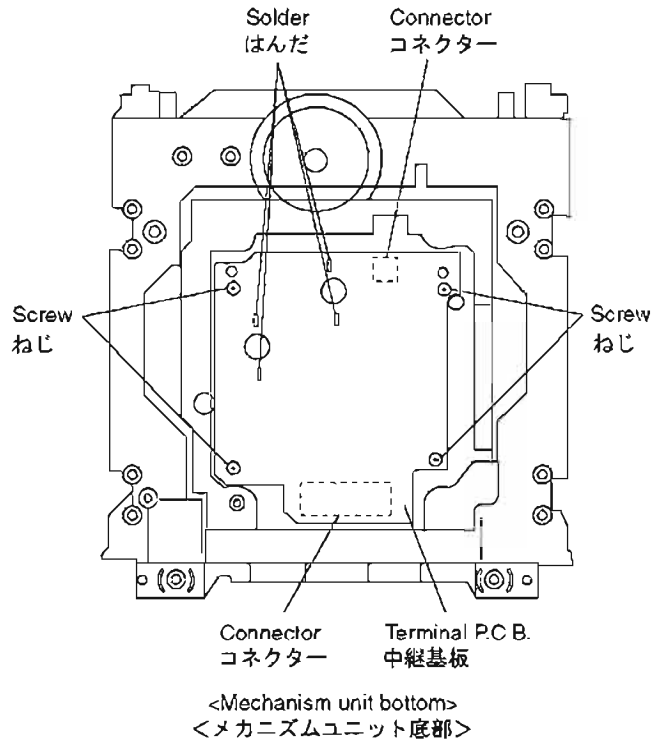


## 2. Terminal P.C.B.

1. Remove the screws.
2. Remove the solder from the motor connections.
3. Remove the connectors.

## 2. 中継基板

1. ねじを外す。
2. はんだを取り除く。
3. コネクターを外す。

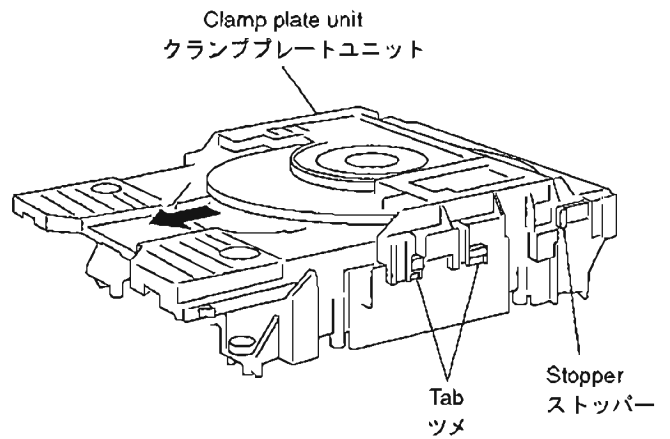
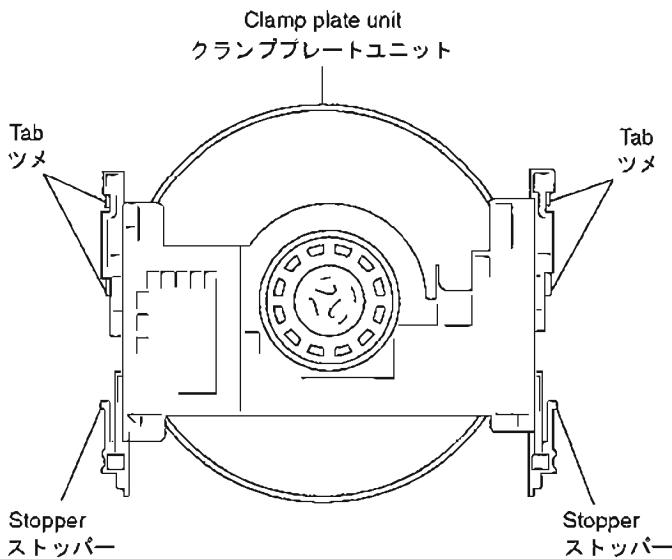


## 3. Clamp Plate Unit

Spread the stopper with hand to slide the tabs and remove the clamp plate unit.

## 3. クランププレートユニット

ストッパーを手で広げながらツメをスライドさせ、クランププレートユニットを外す。

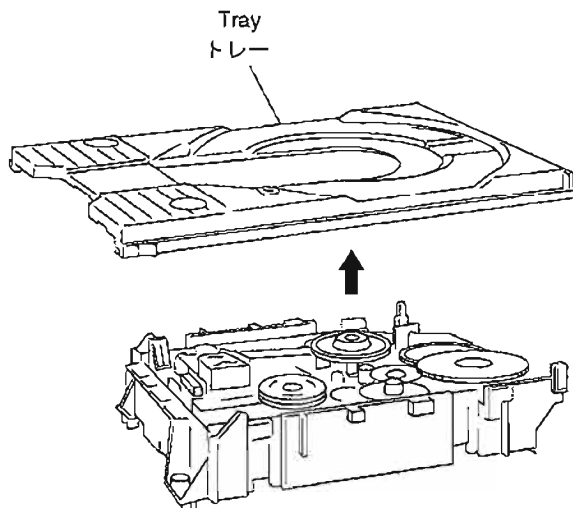


#### 4. Tray

Lift the tray.

#### 4. トレー

トレーを持ち上げる。

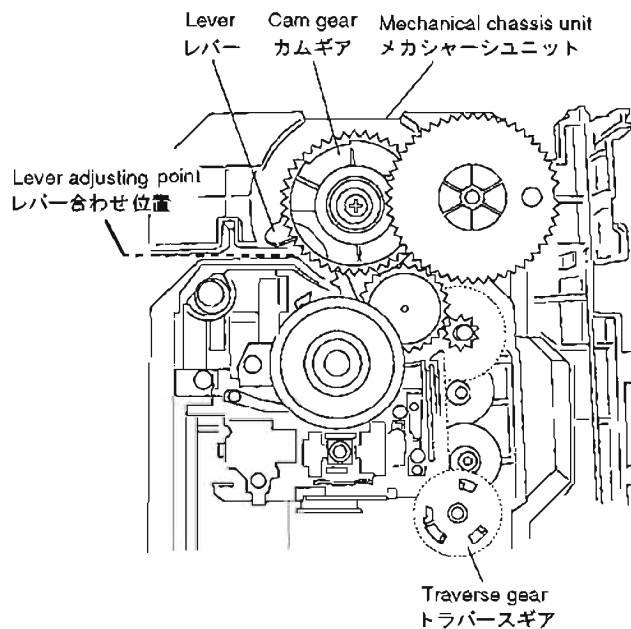


#### <Precautions in reassembling the tray>

- Reassemble the tray so that it is in the backmost position.
- 1. Turn traverse gear until cam gear lever comes to the lever adjusting position at the end of the mechanical chassis unit.

#### <トレー組立ての注意点>

- トレーが最後端位置になるように組立てる。
- 1. カムギアのレバーの位置とメカシャーシユニットのレバー合わせ位置(メカシャーシユニットの端)が合うようにトラバースギアを回転させる。

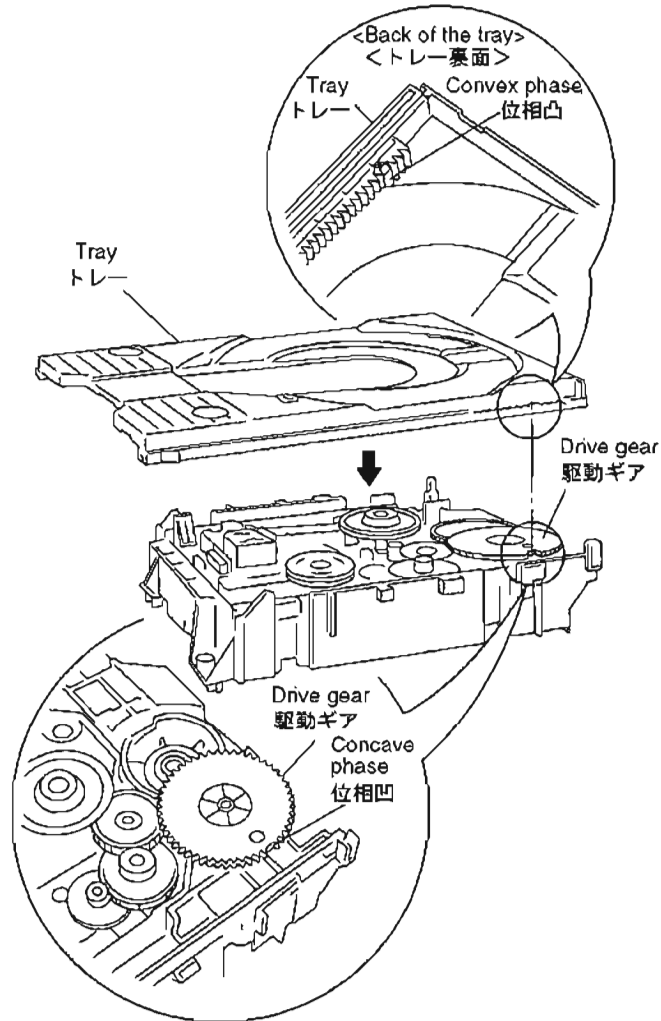


<Figure 1>  
<図1>

DVR-S100/NX-SW100

2. Check the position of convex phase on back of the tray, and that of concave phase on drive gear.

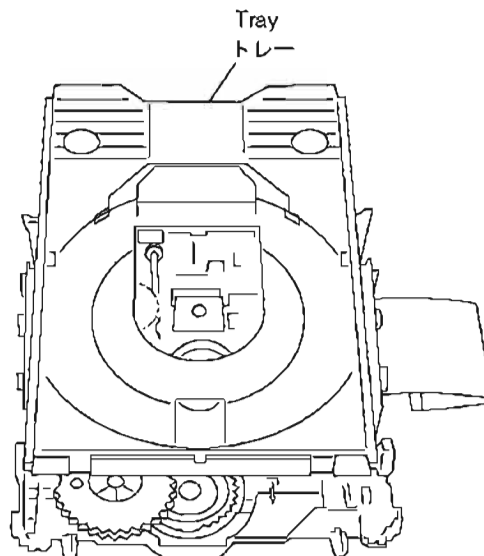
2. トレー裏面の位相凸と駆動ギアの位相凹の位置を確認する。



<Figure 2>  
<図2>

a. Place the tray on the unit from rearward.

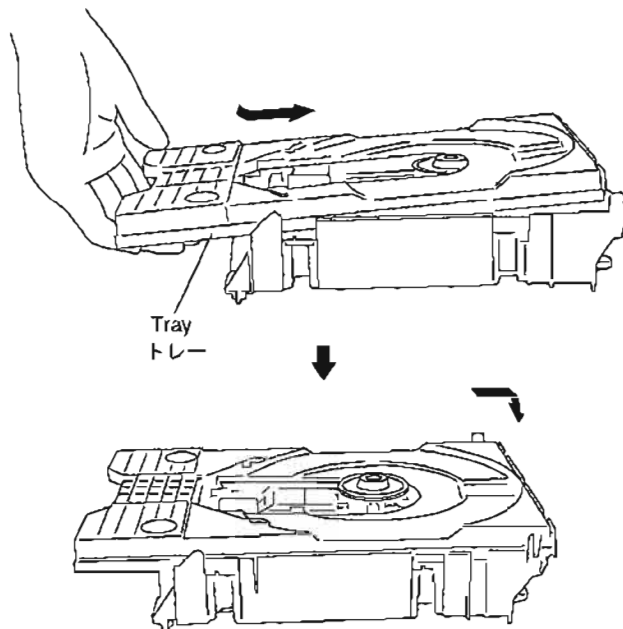
a. トレーを奥よりかぶせる。



<Figure 3>  
<図3>

b. Inch the tray forward until convex phase and concave phase mate.

b. トレーを手前へ少しずつ押し、位相凸と位相凹を合わせる。



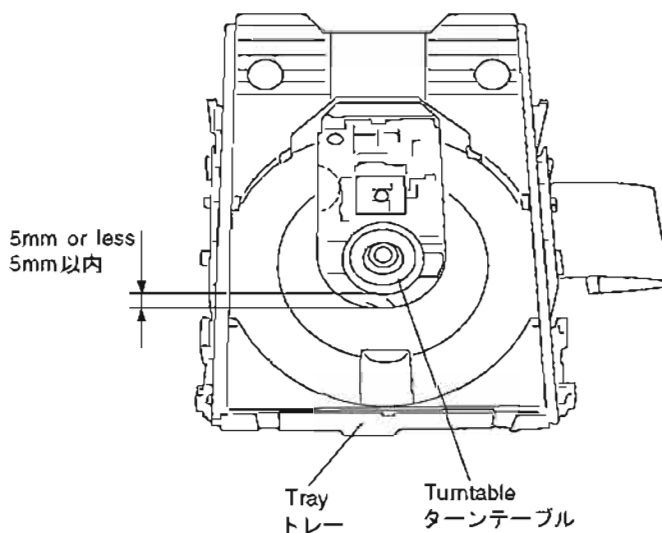
<Figure 4>  
<図4>

Caution:

Make sure to mate convex phase and concave phase properly, so that the gap between turntable and tray becomes 5mm or less.

注意：

ターンテーブルとトレーのすき間が5mm以内になるように位相凸と位相凹を合わせる。



<Figure 5>  
<図5>



## 5. Traverse Block

1. Lift the traverse block while spreading the hook of the mechanical chassis unit.
2. Disengage the tabs from the holes of the mechanical chassis unit.

### <Precautions in reassembling the traverse block>

- Take the following precautions when reassembling the traverse block.
1. Turn traverse gear on the traverse block to let trigger lever turn rightward.
  2. Bring cam gear lever to the lever adjusting position at the end of mechanical chassis unit.
  3. Put tabs A and B into slots A and B respectively. Place tabs C into hooks to mount the traverse block on mechanical chassis unit.

## 5. トラバースブロック

1. メカシャーシユニットのフックを手で広げながら、トラバースブロックを持ち上げる。
2. ツメをメカシャーシユニットの孔から外す。

### <トラバースブロック組立ての注意点>

- トラバースブロックの組立て時は、下記の点に注意して下さい。
1. トラバースブロックのトラバースギアを動かし、トリガーレバーを右側へ回転させる。
  2. カムギアのレバーの位置とメカシャーシユニットのレバー合わせ位置(メカシャーシユニットの端)を合わせる。
  3. ツメA、Bを溝A、Bへ入れる。ツメCをフックへはめこみトラバースブロックとメカシャーシユニットを組立てる。

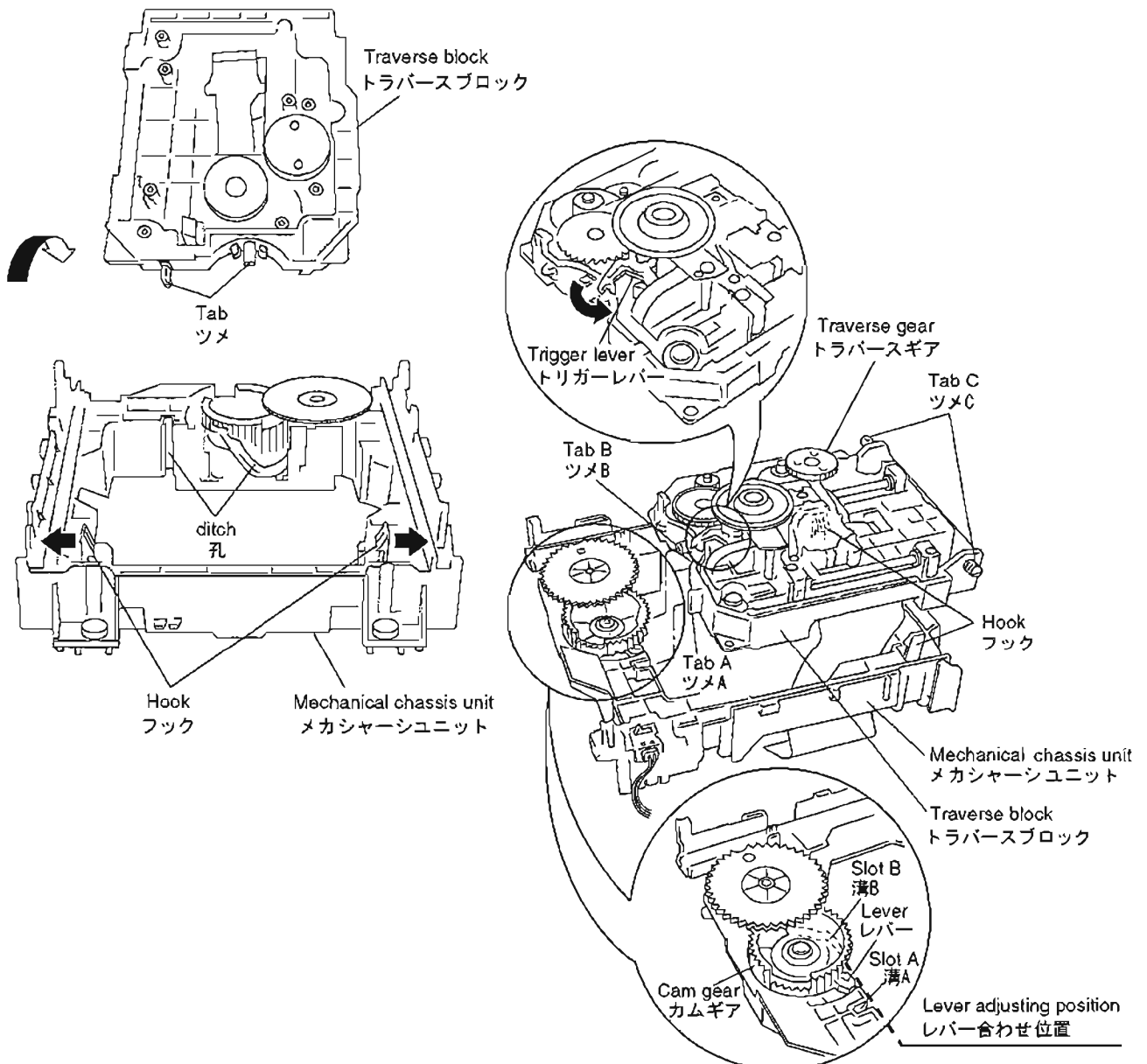
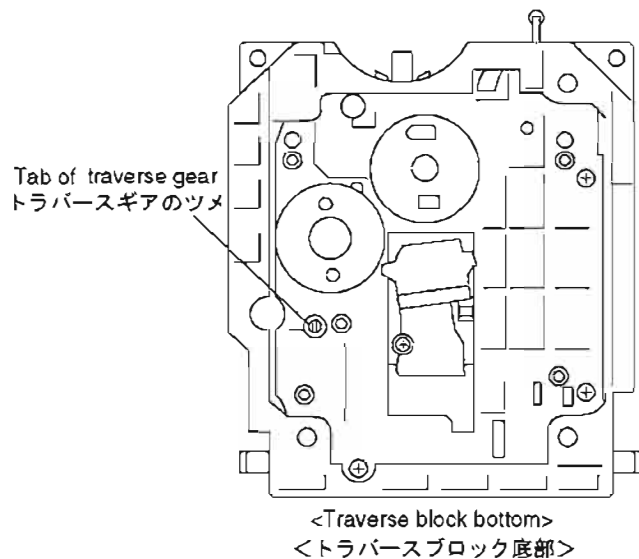


Figure 6  
<図6>

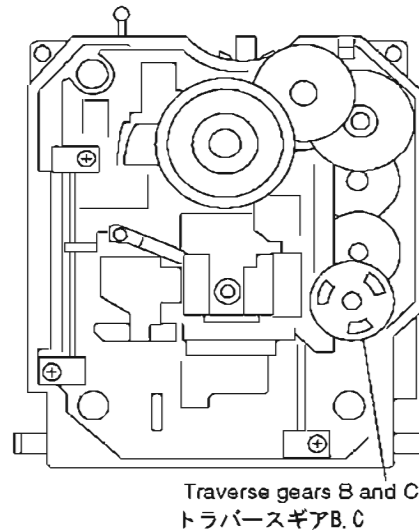
## 6. Traverse Gear

1. Disengage the tabs from the traverse gear.
2. Remove the traverse gears B and C.



## 6. トラバースギアB、C

1. トラバースギアのツメを外す。
2. トラバースギアB、Cを外す。



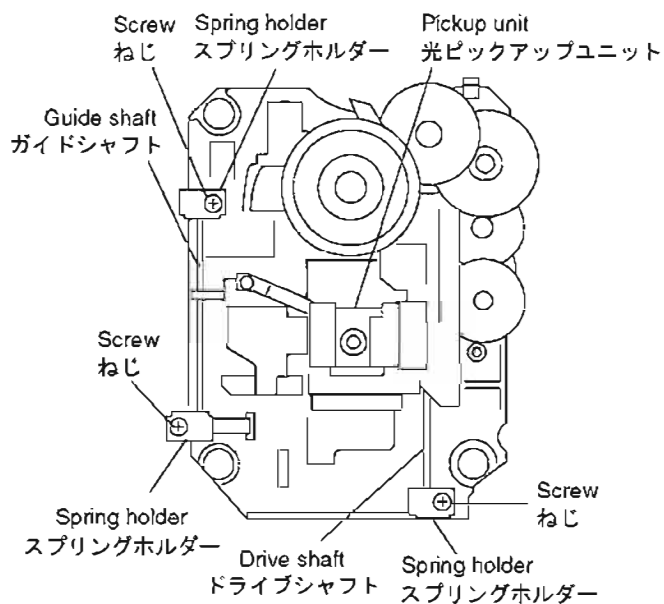
Note: The traverse gear B is under the traverse gear C.  
注) トラバースギアBはトラバースギアCの下にあります。

## 7. Optical Pickup Unit

1. Remove the screws.
2. Remove the spring holders and the springs.
3. Pull out the drive shaft and guide shaft.

## 7. 光ピックアップユニット

1. ねじを外す。
2. スプリングホルダー、スプリングを外す。
3. ドライブシャフト、ガイドシャフトを引き抜く。



### Precautions in optical pickup replacement

The optical pickup can be damaged by static electricity from your body. Be sure to take static electricity countermeasures when working around the optical pickup.

(Refer to the related page in this Manual about the countermeasures.)

1. Do not touch the laser diode, actuator or their associated parts.
2. Do not use a tester to check the laser diode. (Laser diode can be easily damaged.)
3. Using an anti-static soldering iron with ESD protection is recommended when adding or removing the laser diode shorting jumper.
4. Solder the land on flexible cable of optical pickup unit.

#### Caution

- When using the soldering iron without anti-static feature, short-circuit the flexible cable terminal with a clip before short-circuiting the land.
- After completing the repair, remove the solder from the laser diode shorting jumper properly following the procedures described in this Manual.

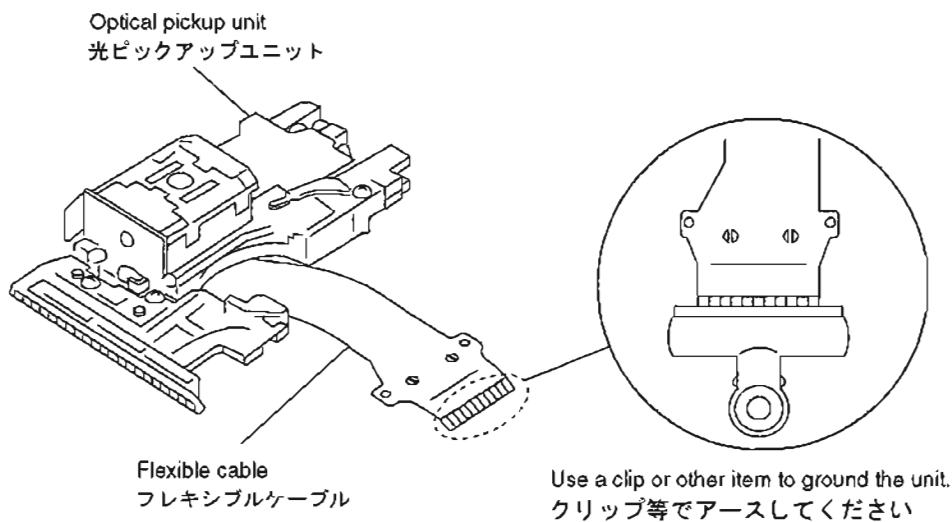
### 光ピックアップ交換時のお願い

光ピックアップは体に帯電している静電気等で破壊される場合があります。光ピックアップ周辺を修理する場合は静電気保護対策を行った上で実施してください。(静電気対策についてのページを参照してください。)

1. レーザーダイオード周辺やアクチュエータ周辺はさわらないこと。
2. レーザーダイオードをテスター等で良否判定しないこと。(簡単に破壊されます。)
3. レーザーダイオードのショート・除去に使用する半田ゴテは静電対策されたものを推奨します。  
(推奨半田ゴテ)HAKKO ESD 対策品
4. 光ピックアップのフレキシブルケーブルにあるランドを半田付けします。

#### 注意

- 静電対策されていない半田ゴテ使用時は、フレキシブルケーブルの端子面をクリップ等でショートしてから、ランドをショートしてください。
- 上記のレーザーダイオードのショートは修理完了後、本文説明順に従い正しい手順でハンダを取り除いてください。

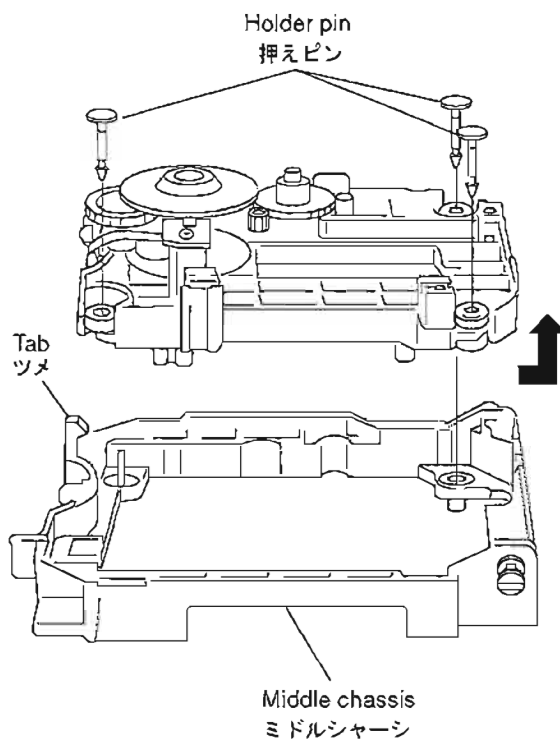


### 8. Disassembling the Middle Chassis

1. Remove the holder pins.
2. Remove the tab.
3. It lifts while pulling it in the direction of the arrow.

### 8. ミドルシャーシ

1. 押えピンを外す。
2. ツメを外す。
3. 矢印の方向に引きながら持ち上げる。

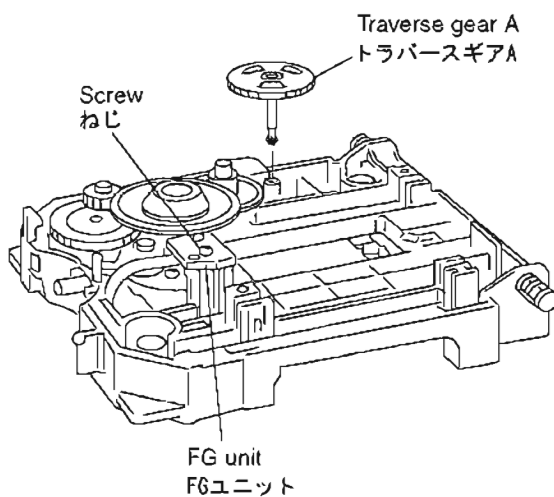


### 9. Disassembling the Traverse Gear A/FG unit

1. Remove the screw.
2. Remove the traverse gear A.

### 9. トラバースギアA/FG ユニット

1. ねじを外す。
2. トラバースギアAを外す。

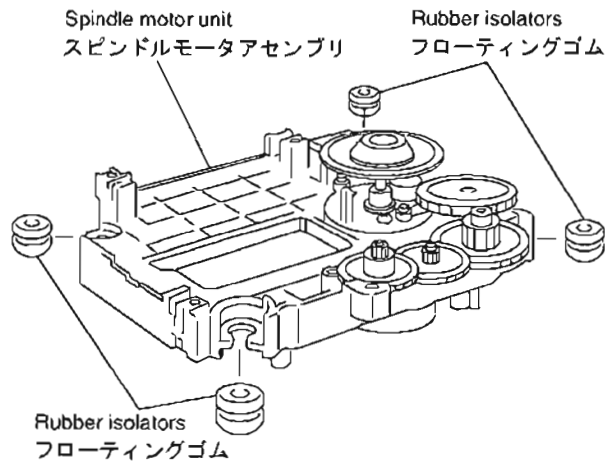


### 10. Disassembling the Spindle Motor Unit

Remove the rubber isolators.

### 10. スピンドルモータアセンブリ

フローティングゴムを外す。



## ■ SERVICE MODE AND SELF-DIAGNOSIS FUNCTION

### 1. Service Mode

- While pressing the "□" button and "△" button, press the STANDBY/ON button, and then the service mode is activated.
- In the service mode, the function becomes DVD/CD regardless of the preceding state.
- When the service mode is activated, PGM and RND on the FL display light up simultaneously.
- In the service mode, the DVD operation is usually executed. Only when the operator uses the procedure as described below, special operation is executed.

Note: For jitter check, load the DVD test disc. [DVDT-S15 (AAX07320) or DVDT-S01]

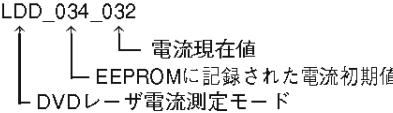
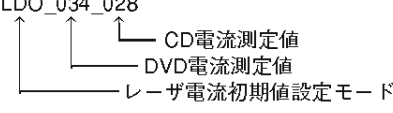
| Item                                   | Player mode and button combination                         | Function                                                                                                                                                                                                                               | Display                                                                                                                                                                                                                                                                                                                   | Cancellation method                      |
|----------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Error code check                       | In STOP mode, press "0" button on the remote control unit. | The latest error code stored in EEPROM is displayed.                                                                                                                                                                                   | Error code (play_err) is expressed in the following convention.<br>Error code = 0 x DAXX is expressed: → nn UXX<br>Error code = 0 x DBXX is expressed: → nn HXX<br>Error code = 0 x DXXX is expressed: → nn FXXX<br>Error code = 0 x 0000 is expressed: → nn F—<br>* "nn" denotes the serial number of history.           | Cancelled automatically 5 seconds later. |
| Jitter check                           | In PLAY mode, press "1" button on the remote control unit. | Jitter rate is measured and displayed.                                                                                                                                                                                                 | J_xxx_yyy_zz<br><p>Focus drive value<br/>Read error counter<br/>Jitter rate<br/>Jitter check mode</p> <p>Jitter rate is shown in decimal notation to one place of decimal.<br/>Focus drive value is shown in hexadecimal notation.</p>                                                                                    | Press STOP or OPEN button.               |
| Region display                         | In STOP mode, press "2" button on the remote control unit. | The region numbers and video format are displayed.                                                                                                                                                                                     | x_yy_zzz<br><p>N: NTSC / 6: PAL60<br/>N: noPAL / P: PAL<br/>Region No.</p>                                                                                                                                                                                                                                                | Cancelled automatically 5 seconds later. |
| Version display                        | In STOP mode, press "3" button on the remote control unit. | DVD module firmware version is displayed.                                                                                                                                                                                              | srrr_xyzzzz<br><p>System controller release number<br/>System controller model number<br/>System controller generation<br/>Panel controller release number<br/>Panel controller model number</p>                                                                                                                          | Cancelled automatically 5 seconds later. |
| Lighting of display tube               | In STOP mode, press "4" button on the remote control unit. | All segments light up.                                                                                                                                                                                                                 | —                                                                                                                                                                                                                                                                                                                         | Turn off the power.                      |
| DVD laser drive current measurement    | In STOP mode, press "5" button on the remote control unit. | DVD laser drive current is measured and the result is displayed together with the initial value stored in EEPROM.<br>After the measurement, DVD laser emission is kept on. It is turned off when the "STANDBY/ON" key is switched off. | LDD_034_032<br><p>Measured current<br/>Initial current stored in EEPROM<br/>DVD laser current measurement mode</p> <p>The value denotes the current in decimal notation.<br/>The above example shows the initial current is 34mA and the measured value is 32mA.</p>                                                      | Cancelled automatically 5 seconds later. |
| Initial setting of laser drive current | In STOP mode, press "6" button on the remote control unit. | The initial current value for each DVD laser and CD laser is separately saved in EEPROM.                                                                                                                                               | LDO_034_028<br><p>CD laser current measurement<br/>DVD laser current measurement<br/>Laser current initial setting mode</p> <p>The value denotes the current in decimal notation. The above example shows the initial current is 34mA and 28mA for DVD laser and CD laser respectively when the laser is switched on.</p> | Cancelled automatically 5 seconds later. |

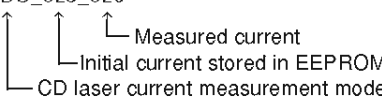
## ■ サービスモードと自己診断機能

### 1. サービスモード

- ・本体の“**□**”ボタンと“**△**”ボタンを押しながらSTANDBY/ONボタンを押すと、サービスモードに入る。
- ・サービスモードでは、以前の状態に関わらずファンクションはDVD/CDになる。
- ・サービスモードに入ると、FL表示のPGMとRNDが同時に点灯する。
- ・サービスモードでは、通常DVD動作をするが、以下の操作に対してのみ特別な動作を行う。

注) ジッタチェックには、DVDテストディスクを使用します。

| 項目          | 動作条件とキー操作               | 機能                                                                                        | 表示                                                                                                                                                                                                               | 解除方法              |
|-------------|-------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| エラーコード表示    | ストップ状態で、リモコンの“0”ボタンを押す。 | EEPROMに格納された最新のエラーコードを表示する。                                                               | エラーコード(play_err)を下記ルールで表示する。<br>エラーコード=0 x DAXXの表示 → nn UXX<br>エラーコード=0 x DBXXの表示 → nn HXX<br>エラーコード=0 x DXXXの表示 → nn FXXX<br>エラーコード=0 x 0000の表示 → nn F---<br>※“nn”はエラー履歴番号                                      | 5秒後に自動解除する。       |
| ジッタ表示       | プレイ状態で、リモコンの“1”ボタンを押す。  | ジッタを測定し表示する。                                                                              | J_ xxx_yyy_zz<br><br>フォーカス駆動値<br>リードエラーカウンタ<br>ジッタ測定値<br>ジッタ表示モード<br>表示値は小数点以下1桁の10進数。<br>フォーカス駆動値は16進数表示。                     | STOPまたはOPENボタンを押す |
| リージョン表示     | ストップ状態で、リモコンの“2”ボタンを押す。 | リージョン番号とビデオフォーマットを表示する。                                                                   | x_yy_zzz<br><br>N: NTSC / 6: PAL60<br>N: noPAL / P: PAL<br>リージョン番号                                                            | 5秒後に自動解除する。       |
| バージョン表示     | ストップ状態で、リモコンの“3”ボタンを押す。 | DVDモジュールファームウェアバージョンを表示する。                                                                | srrr_xyzzzz<br><br>シスコンのリリース番号<br>シスコンの機種タイプ<br>シスコンの世代<br>パネコンのリリース番号<br>パネコンの機種タイプ                                         | 5秒後に自動解除する。       |
| FL全点灯       | ストップ状態で、リモコンの“4”ボタンを押す。 | FL全点灯                                                                                     | -----                                                                                                                                                                                                            | 二次パワーオフ           |
| DVDレーザー電流測定 | ストップ状態で、リモコンの“5”ボタンを押す。 | DVDレーザー電流を測定し、EEPROMに記録された初期値と共に表示する。<br>なお、測定後、DVDレーザは点灯を継続し、“STANDBY/ON”キーによる電源オフで消灯する。 | LDD_034_032<br><br>電流現在値<br>EEPROMに記録された電流初期値<br>DVDレーザー電流測定モード<br>表示値は10進数で電流を示す。上記の例では、レーザオン時電流の初期値が34mA、現在値が32mAであることを示す。 | 5秒後に自動解除する。       |
| レーザー電流初期値設定 | ストップ状態で、リモコンの“6”ボタンを押す。 | DVDとCDの初期値を別々にEEPROMに記憶する。                                                                | LDO_034_028<br><br>CD電流測定値<br>DVD電流測定値<br>レーザ電流初期値設定モード<br>表示値は10進数で電流を示す。上記の例では、レーザオン時の電流初期値が、DVDレーザ34mA、CDレーザ28mAであることを示す。 | 5秒後に自動解除する。       |

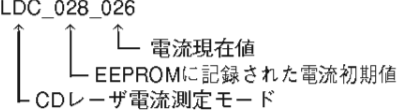
| Item                               | Player mode and button combination                                               | Function                                                                                                                                                                                                                          | Display                                                                                                                                                                                                                                     | Cancellation method                      |
|------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| CD laser drive current measurement | In STOP mode, press "7" button on the remote control unit.                       | CD laser drive current is measured and the result is displayed together with the initial value stored in EEPROM. After the measurement, CD laser emission is kept on. It is turned off when the "STANDBY/ON" key is switched off. | LDC_028_026<br><br>The value denotes the current in decimal notation. The above example shows the initial current is 28mA and the measured value is 26mA. | Cancelled automatically 5 seconds later. |
| DVD module initialization          | In STOP mode, press "□" and "◀/▶" buttons on the player for 3 seconds or longer. | DVD module is initialized.                                                                                                                                                                                                        | "INITIALIZE"                                                                                                                                                                                                                                |                                          |

## 2. Self-Diagnosis Function (UHF Display)

This unit incorporates a convenient self-diagnosis function for use in troubleshooting.

| Display method                                                | Display              | Diagnosis            |
|---------------------------------------------------------------|----------------------|----------------------|
| Service numbers displayed during use.                         | U11                  | Focus error          |
|                                                               | H01                  | Tray loading error   |
|                                                               | H02                  | Spindle servo error  |
|                                                               | H03                  | Traverse error       |
|                                                               | H04                  | Tracking servo error |
|                                                               | H05                  | Seek error           |
|                                                               | H06                  | Power supply error   |
| In SERVICE mode, press "0" button on the remote control unit. | F0**                 | Disc format error    |
|                                                               | F1**                 | Disc code error      |
|                                                               | F2**                 | Decoder LSI error    |
|                                                               | F3**                 | SDRAM error          |
|                                                               | F4**                 | IIC BUS error        |
|                                                               | F5**                 | DSC error            |
|                                                               | F6**                 | ECC error            |
|                                                               | F7**                 | Microprocessor error |
| F8**                                                          | Microprocessor error |                      |
|                                                               |                      | Refer to error code. |



| 項目                          | 動作条件とキー操作                                        | 機能                                                                                                       | 表示                                                                                                                                                                                                                     | 解除方法            |
|-----------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| CDレーザー<br>電流測定              | ストップ状態で、<br>リモコンの"7"ボタン<br>を押す。                  | CDレーザー電流を測定し、<br>EEPROMに記録された初期値と<br>共に表示する。<br>なお、測定後、CDレーザーは点灯<br>を継続し、"STANDBY/ON"キー<br>による電源オフで消灯する。 | LDC_028_026<br><br>電流現在値<br>EEPROMに記録された電流初期値<br>CDレーザー電流測定モード<br>表示値は10進数で電流を示す。上記の例<br>では、レーザーオン時電流の初期値が28mA、<br>現在値が26mAであることを示す。 | 5秒後に自動解除<br>する。 |
| DVD<br>モジュール<br>イニシャ<br>ライズ | ストップ状態で、<br>プレイヤーの"□"<br>ボタンと"◀◀/▶▶"を<br>3秒以上押す。 | DVDモジュールがイニシャ<br>ライズされる。                                                                                 | "INITIALIZE"                                                                                                                                                                                                           |                 |

## 2. 自己診断機能(UHF表示)

本機には、故障修理時に使うのに便利な自己診断機能が組み入れてあります。

| 表示モード                            | 表示       | 診断              |
|----------------------------------|----------|-----------------|
| 使用中は、サービス番号<br>を表示。              | U11      | フォーカス・エラー       |
|                                  | H01      | トレイ搭載エラー        |
|                                  | H02      | スピンドル・サーボエラー    |
|                                  | H03      | トラバース・エラー       |
|                                  | H04      | トラッキング・サーボ・エラー  |
|                                  | H05      | シーク・エラー         |
|                                  | H06      | 電源エラー           |
| サービスモードで、<br>リモコンの"0"ボタン<br>を押す。 | F0**     | ディスク・フォーマット・エラー |
|                                  | F1**     | ディスク・コード・エラー    |
|                                  | F2**     | デコーダーLSIエラー     |
|                                  | F3**     | SDRAMエラー        |
|                                  | F4**     | IIC BUS エラー     |
|                                  | F5**     | DSCエラー          |
|                                  | F6**     | ECCエラー          |
|                                  | F7**     | マイコン・エラー        |
| F8**                             | マイコン・エラー |                 |
|                                  |          | エラーコード参照        |

### 3. Test mode

- While pressing the "□" button and "▷▷/▷▷" button, press the "STANDBY/ON" button; then the test mode (exclusively for display) is activated.
- In the test mode, the function becomes DVD/CD regardless of the preceding state.
- When the test mode is activated, "Test Mode" appears on the FL display.
- While in the test mode, the DVD function is at stop.
- The display changes as follows when the "▷▷/▷▷" button or "◀◀/◀◀" button is pressed.

| Item | Operation                                         |
|------|---------------------------------------------------|
| 0    | Test Mode displayed                               |
| 1    | Firmware version of IC600 Operation CPU displayed |

### 4. Initialization of user settings

- To initialize the user settings, press the "□" button and "□□" button simultaneously when the unit operation is at stop.
- The contents to be initialized are ON SCREEN setting items and SETUP setting items.

### 5. Dealer's lock

- Pressing the "□" button and "△" button simultaneously when the unit is at stop causes the dealer's lock to turn ON/OFF.
- While the dealer's lock is ON, the tray does not come out even when "△" button is pressed. (to prevent discs from being stolen from store display)
- The ON/OFF state of the dealer's lock remains unaffected even when the primary power supply is turned ON/OFF.

### 3. テストモード

- 本体の"□"ボタンと"▷▷/▷▷"ボタンを押しながら"STANDBY/ON"ボタンを押すと、テストモード(表示専用)に入ります。
- テストモードでは、以前の状態に関わらずファンクションはDVD/CDになります。
- テストモードに入ると、FL表示にTest Modeと表示されます。
- テストモード中は、DVD機能は停止しています。
- "▷▷/▷▷"ボタンまたは"◀◀/◀◀"ボタンを押すことで、以下の項目表示に移行します。

| 項目 | 動作                                     |
|----|----------------------------------------|
| 0  | Test Mode表示                            |
| 1  | IC600 Operation CPUのファームウェアバージョンを表示する。 |

### 4. ユーザ設定初期化

- 停止状態で本体の"□"ボタンと"□□"ボタンを同時に押すと、ユーザ設定を初期化します。
- 初期化される内容は、ON SCREEN設定項目とSETUP設定項目です。

### 5. ディーラーズロック

- 停止状態で本体の"□"ボタンと"△"ボタンを同時に押すと、ディーラーズロックのON/OFFを切り替えます。
- ディーラーズロックONのときは、"△"ボタンを押してもトレーが出ません。(店頭でのディスク盗難防止)
- 一次電源をON/OFFしても、ディーラーズロックのON/OFF状態は保持しています。

## 6. Service Precautions

### 6.1. Recovery after the dvd player is repaired

When a FROM or an EEPROM on the DVD module P.C.B. has been replaced, carry out the recovery disc procedure to optimize the drive.

Playback the disc below to perform the recovery automatically.

Recovery disc: RFKZD5TR001 (AAX27810)

#### Note:

When the recovery procedure is performed, the user settings will be erased and the factory settings will be restored as when the initialization procedure is used. Therefore, it is necessary to write down the content of the user settings before performing the recovery procedure and reset it after that.

### 6.2. Firmware version-up of the DVD player

The firmware of the DVD player may be updated to improve the quality, including optimizing operationability and playability with substandard discs.

The version-update disc also has a recovery function so that you don't need to use the recovery disc again.

#### Note:

If the AC power supply is lost during version-updating due to a power failure, the version-update is improperly carried out.

In such a case, replace the FROM and carry out the version-update again.

The product number of the version-update disc will be noticed when it is supplied.

## 7. Handling After Completing Repairs

Use the following procedure after completing repairs.

### 7.1. Method

Confirm that the power is turned on:

1. Press the "OPEN/CLOSE" button to close the tray.
2. Press the "STANDBY/ON" button to turn off the power.
3. Disconnect the power plug from the outlet.

### 7.2. Precautions

Do not disconnect the power plug from the outlet with the tray still open, then close the tray manually.

## 6. サービス時の注意事項

### 6.1. DVD プレーヤ修理後のリカバリー処置

DVDモジュール基板内のFROMまたはEEPROM等を交換した場合はドライブを最適化するためにリカバリーディスク処置を実施してください。

リカバリーディスク：RFKZD5TR001 (AAX27810)

#### 注意

リカバリー処置を実施すると、ユーザイニシャルイズと同様にお客様が設定された情報が工場出荷状態に戻りますので、あらかじめ設定内容を控えておき、リカバリー処置実施後に再設定してください。

### 6.2. DVD プレーヤのファームウェアバージョンアップ

DVDプレーヤでは製品の操作性や規格外ディスクに対するプレーヤビリティ等の品質性能向上のためプレーヤのファームウェアを更新する場合があります。

その場合、バージョンアップディスクはリカバリー機能も有していますのでリカバリーディスクでもう一度やり直す必要はありません。

#### 注意

バージョンアップ中に停電等でAC電源が切れた場合はバージョンアップが正常に行われません。

その場合はFROMを交換して再度バージョンアップを実施してください。

バージョンアップディスクの品番は発生時に案内します。

## 7. 修理完了後の取り扱い

修理完了後は次の操作を行なってください。

### 7.1. 方法

電源オンの状態で

1. 開/閉ボタンを押し、トレーを閉じる。
2. "STANDBY/ON"ボタンを押し、電源を切る。
3. 電源のコンセントを抜く。

### 7.2. ご注意

トレーが出たまま電源コンセントを抜いて、後から手でトレーを閉じないでください。

## 8. Error Code

|      | Description of error                                            | Supplementary explanation                                                                                                | Faulty point 1 | Faulty point 2            | Faulty point 3 | Faulty point 4 |
|------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------|----------------|----------------|
|      | <b>L. H error</b>                                               |                                                                                                                          |                |                           |                |                |
| U11  | Focus error                                                     |                                                                                                                          |                |                           |                |                |
| H01  | Tray loading error                                              |                                                                                                                          |                |                           |                |                |
| H02  | Spindle servo error                                             | (Spindle servo, DSC SP motor, CLV servo error)                                                                           |                |                           |                |                |
| H03  | Traverse servo error                                            |                                                                                                                          |                |                           |                |                |
| H04  | Tracking servo error                                            |                                                                                                                          |                |                           |                |                |
| H05  | Seek error                                                      |                                                                                                                          |                |                           |                |                |
| H06  | Power supply error                                              | The power cannot be turned off due to a communication error between the panel control and the system control.            |                |                           |                |                |
|      | <b>DSC related error</b>                                        |                                                                                                                          |                |                           |                |                |
| F500 | DSC error                                                       | DSC is stopped due to occurrence of a servo error. (startup, focus error, etc.)                                          | OPU            | ADSC                      | FEP            | Servo drive    |
| F501 | DSC not ready                                                   | Communication error between DSC and system control (communication failure due to DSC not at work)                        | ADSC           | CPU                       |                |                |
| F502 | DSC time out error                                              | To be handled in the same way as F500                                                                                    | OPU            | ADSC                      | FEP            | Servo drive    |
| F503 | DSC communication failure                                       | Communication error (A communication command was transmitted but an error occurred.)                                     | ADSC           | FEP                       | EEPROM         |                |
| F505 | DSC Attention Error                                             | To be handled in the same way as F500                                                                                    | OPU            | ADSC                      | FEP            | Servo drive    |
| F506 | Invalid media                                                   | The disc is upside down, TOC cannot be read, unusable disc                                                               | Disc           | FEP                       | ADSC           | ODC            |
|      | <b>ODC related error</b>                                        |                                                                                                                          |                |                           |                |                |
| F600 | No control data is obtainable due to a demodulation error       | Operation is stopped because the navigation data cannot be obtained due to a faulty condition of the demodulation system | ODC            | FEP                       | ADSC           |                |
| F601 | Undefined sector ID is requested.                               | Operation is stopped due to a request for access by an abnormal ID data.                                                 | ODC            | FEP                       | ADSC           |                |
| F602 | LEAD-IN is not obtainable due to demodulation error.            | LEAD IN data cannot be read.                                                                                             |                |                           |                |                |
| F603 | KEY DET is not obtainable due to a demodulation error           | The CSS data of the disc cannot be obtained.                                                                             |                |                           |                |                |
| F610 | ODC abnormal                                                    | Issuing a command is not permitted.                                                                                      | ODC            |                           |                |                |
| F611 | 6626 QCODE don't read Error                                     | No seek address is obtainable in the CD system.                                                                          | ODC            |                           |                |                |
| F612 | No CRC OK is issued for a certain time.                         | No ID data is obtainable in the DVD system.                                                                              | ODC            |                           |                |                |
| F630 | No response is provided for the inquiry of KEY DET.             | (Only when used internally)                                                                                              |                |                           |                |                |
| F631 | CPPM KEY DET is not usable until the end of the file.           | The CPPM file system cannot be read due to a scratch, etc.                                                               | Disc           | CPPM                      |                |                |
| F632 | CPPM-KEY-DET is not usable.                                     | CPPM-KEY-DET is revoked or falsified.                                                                                    | Disc           | EEPROM                    | CPPM           |                |
|      | <b>Disc code</b>                                                |                                                                                                                          |                |                           |                |                |
| F103 | Illegal highlight position                                      | It is highly possible that disc code is violated when displaying the highlight.                                          | Disc           |                           |                |                |
|      | <b>IIC error</b>                                                |                                                                                                                          |                |                           |                |                |
| F4FF | Forcible initialization failure (time-out)                      |                                                                                                                          | EEPROM         | CPU                       | FEP            | ADSC           |
|      | <b>Microprocessor error</b>                                     |                                                                                                                          |                |                           |                |                |
| F700 | MBX overflow                                                    | When sending a message back to Disc Manager                                                                              | Firm bug       |                           |                |                |
| F701 | Message command does not end.                                   | Next message was issued before replying to Disc Manager.                                                                 | Firm bug       |                           |                |                |
| F702 | Message command is changed.                                     | The message is changed before replying to Disc Manager.                                                                  | Firm bug       |                           |                |                |
| F880 | Incorrect task number                                           | When a message comes from non-existing task (error stop, firm bug correction required)                                   | Firm bug       |                           |                |                |
| F890 | Message transmission is attempted while transmitting to AV task | A message is being transmitted to AV task (error stop, firm bug correction, etc.)                                        | Firm bug       |                           |                |                |
| F891 | A message cannot be transmitted to AV task.                     | Transmission of a message to AV task is started. (error stop, firm bug correction required)                              | Firm bug       |                           |                |                |
| F893 | FROM is falsified.                                              |                                                                                                                          | FROM           | CPU                       |                |                |
| F894 | EEPROM abnormal                                                 |                                                                                                                          | EEPROM         | Serial communication line |                |                |
| F8A0 | Message command is not correct.                                 | Transmission of a message to AV task is started. (error stop, firm bug correction required)                              | Firm bug       |                           |                |                |

OPU : Optical Pick Up, DSC : Digital Servo Controller, FEP : Front End Processor, ODC : Optical Disc Controller, FROM : Flash ROM

## 8. エラーコード

|      | エラー内容                       | エラー補足説明                               | 不良箇所1  | 不良箇所2     | 不良箇所3  | 不良箇所4   |
|------|-----------------------------|---------------------------------------|--------|-----------|--------|---------|
|      | <b>U, Hエラー</b>              |                                       |        |           |        |         |
| U11  | フォーカスエラー                    |                                       |        |           |        |         |
| H01  | トレイローディングエラー                |                                       |        |           |        |         |
| H02  | スピンドルサーボエラー                 | (スピンドルサーボ、DSC SPモータ、CLVサーボエラー)        |        |           |        |         |
| H03  | トラバースサーボエラー                 |                                       |        |           |        |         |
| H04  | トラッキングサーボエラー                |                                       |        |           |        |         |
| H05  | シークエラー                      |                                       |        |           |        |         |
| H06  | 電源エラー                       | パネルコントロールとシステムコントロール通信エラーで電源OFFできない   |        |           |        |         |
|      | <b>DSC関連</b>                |                                       |        |           |        |         |
| F500 | DSCエラー                      | サーボエラー発生でDSC停止(立上げ、フォーカスエラー等)         | OPU    | ADSC      | FEP    | サーボドライブ |
| F501 | DSC not Ready               | DSCシステムコントロール通信エラー(DSCが動かないため通信できない)  | ADSC   | CPU       |        |         |
| F502 | DSC Time Outエラー             | F500と同じ扱い                             | OPU    | ADSC      | FEP    | サーボドライブ |
| F503 | DSCコミュニケーションFailure         | 通信エラー(通信コマンドを送信したが結果エラー発生)            | ADSC   | FEP       | EEPROM |         |
| F505 | DSC Attention Error         | F500と同じ扱い                             | OPU    | ADSC      | FEP    | サーボドライブ |
| F506 | 無効なメディア                     | ディスクが裏表、TOCが読めない、使用可能対象外ディスク          | ディスク   | FEP       | ADSC   | ODC     |
|      | <b>ODC関連</b>                |                                       |        |           |        |         |
| F600 | 復調エラーによる管理情報取得不能            | 復調系の不具合によりナビゲーションデータが取得できないため動作停止     | ODC    | FEP       | ADSC   |         |
| F601 | 不定なセクタIDが要求された              | 異常なIDデータのアクセス要求により動作停止                | ODC    | FEP       | ADSC   |         |
| F602 | 復調エラーによるLEAD-IN取得不能         | LEAD INデータが読めない                       |        |           |        |         |
| F603 | 復調エラーによりKEY DET取得不能         | ディスクのCSSデータが取得できない                    |        |           |        |         |
| F610 | ODC異常                       | コマンド発行許可が出ない                          | ODC    |           |        |         |
| F611 | 6626 QCODE don't read Error | CD系でシークアドレスが取得できない                    | ODC    |           |        |         |
| F612 | 一定時間CRC OKが出ない              | DVD系でIDデータが取得できない                     | ODC    |           |        |         |
| F630 | KEY DET問合せに対する非応答           | (内部使用のみ)                              |        |           |        |         |
| F631 | FILE終端までCPPM KEY DETが不可     | CPPMファイルシステムがキズ等により読めない               | ディスク   | CPPM      |        |         |
| F632 | CPPM-KEY-DETが不可             | リボークあるいは改ざんされている                      | ディスク   | EEPROM    | CPPM   |         |
|      | <b>ディスクコード</b>              |                                       |        |           |        |         |
| F103 | Illegal highlight Position  | ハイライト表示時 ディスク規格違反の可能性大                | ディスク   |           |        |         |
|      | <b>IICエラー</b>               |                                       |        |           |        |         |
| F4FF | 強制イニシャライズ失敗(タイムアウト)         |                                       | EEPROM | CPU       | FEP    | ADSC    |
|      | <b>マイコンエラー</b>              |                                       |        |           |        |         |
| F700 | MBX overflow                | Disc Managerへメッセージ返信時                 | ファームバグ |           |        |         |
| F701 | メッセージコマンド終了しない              | Disc Managerに返事を返す前に次のメッセージが発行された     | ファームバグ |           |        |         |
| F702 | メッセージコマンド変化                 | Disc Managerに返事を返す前にそのメッセージが変更された     | ファームバグ |           |        |         |
| F880 | タスク番号が適切でない                 | 存在しないタスクからメッセージがきたとき(エラー停止、ファームバグ修正要) | ファームバグ |           |        |         |
| F890 | AVタスクへ送信中にメッセージを送信しようとした    | AVタスクへメッセージ送信中(エラー停止、ファームバグ修正要)       | ファームバグ |           |        |         |
| F891 | AVタスクへのメッセージ送信ができなかった       | AVタスクへメッセージ送信開始(エラー停止、ファームバグ修正要)      | ファームバグ |           |        |         |
| F893 | FROM改ざん                     |                                       | FROM   | CPU       |        |         |
| F894 | EEPROM異常                    |                                       | EEPROM | シリアル通信ライン |        |         |
| F8A0 | メッセージコマンドが適切でない             | AVタスクへメッセージ送信開始(エラー停止、ファームバグ修正要)      | ファームバグ |           |        |         |

OPU : Optical Pick Up, DSC : Digital Servo Controller, FEP : Front End Processor, ODC : Optical Disc Controller, FROM : Flash ROM

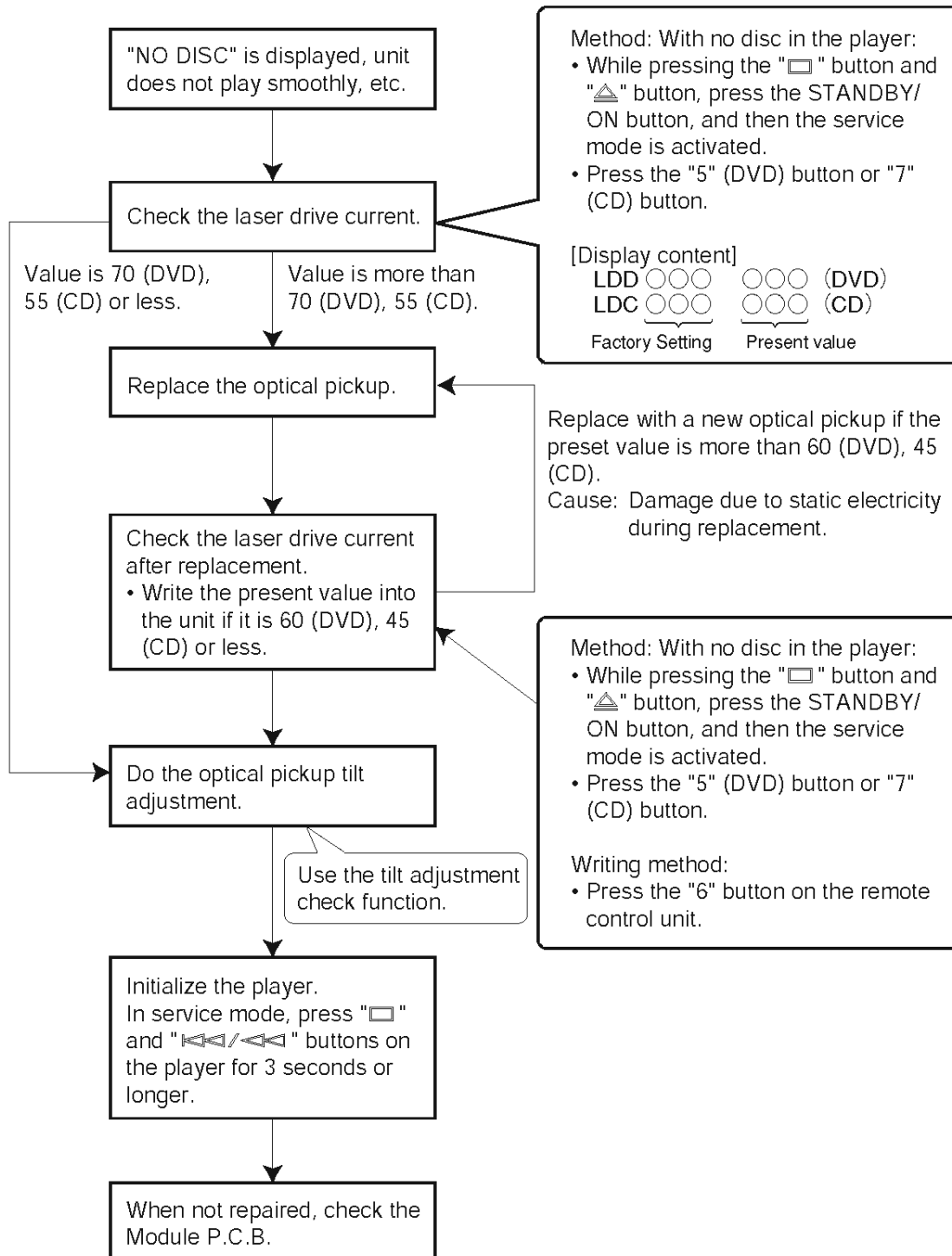
## OPTICAL PICKUP SELF-DIAGNOSIS AND REPLACEMENT PROCEDURE

### 1. Self-diagnosis

An optical pickup self-diagnosis function and tilt adjustment check function have been included in this unit. When repairing, use the following procedure for effective Self-diagnosis and tilt adjustment. Be sure to use the self-diagnosis function before replacing the optical pickup when "NO DISC" is displayed. As a guideline, you should replace the optical pickup when the value of the CD laser drive current is more than 55 (70 for DVD).

**Note:**

Check the value within three minutes after applying the power to the player. (When the unit warms up, the result will be incorrect.)



DVR-S100/NX-SW100

## ■光ピックアップの故障診断と交換手順

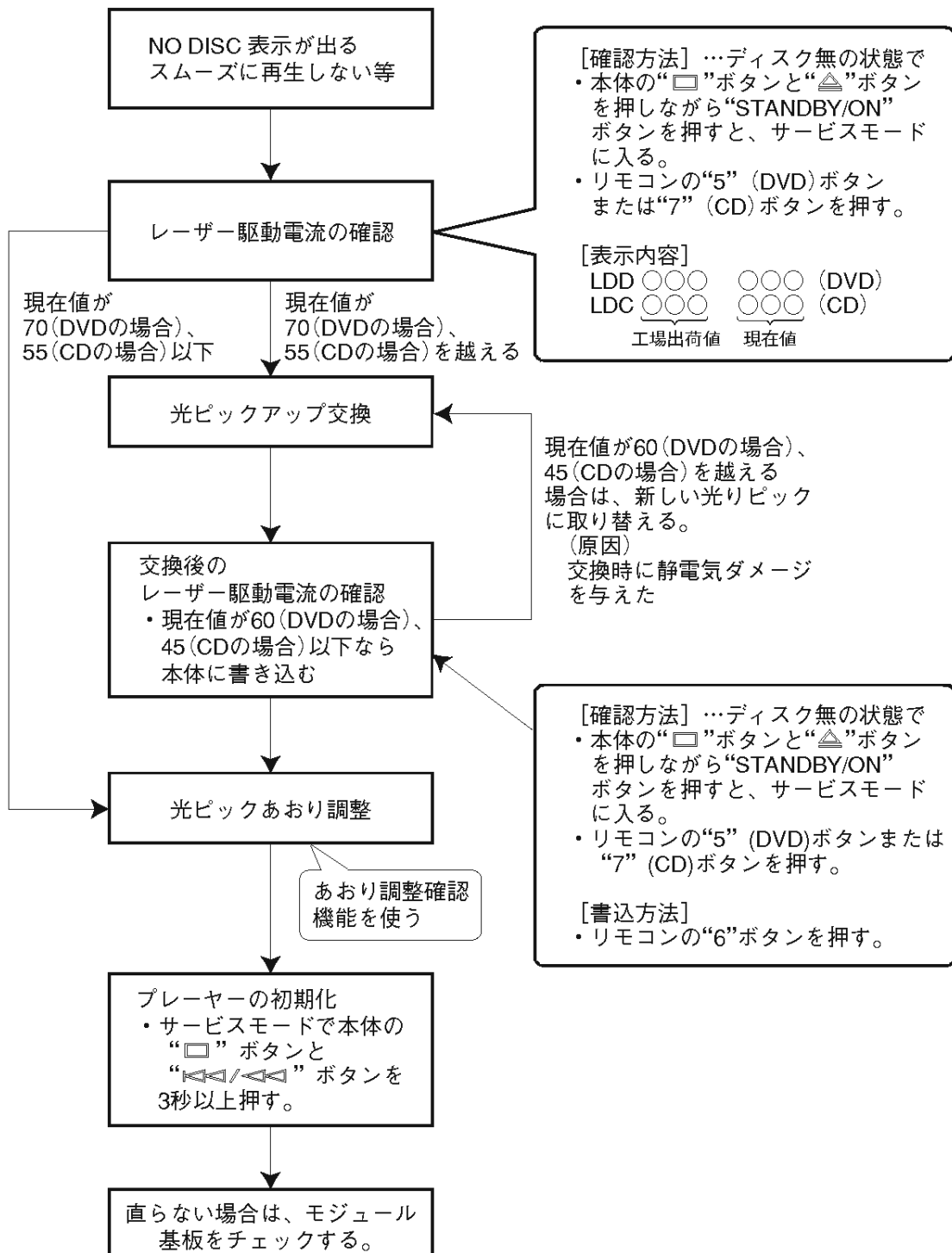
### 1. 故障診断

本機には、新機能として「光ピックアップ故障診断機能」と「あおり調整確認機能」を内蔵しております。修理時は、次の手法を用い効率的に故障診断、およびあおり調整を実施ください。

特に「NO DISC」表示が出る場合は光ピックアップを交換する前に「故障診断」を行います。レーザー駆動電流の現在値が「55を越える」場合が光ピックアップ交換の目安になります。

#### 注意

電源を入れてから3分以内に診断をしてください。(プレーヤーが温まると正確な診断ができません。)



## ■ OPTICAL PICKUP TILT ADJUSTMENT / 光ピックアップあおり調整

|                     |                                                           |
|---------------------|-----------------------------------------------------------|
| Adjustment point    | Tangential adjustment screw,<br>Tilt adjustment screw     |
| Mode                | T01 (inner periphery) play, T43<br>(outer periphery) play |
| Disc                | DVDT-S15 (AAX07320) or<br>DVDT-S01                        |
| Measuring equipment | None (Use main unit servicing<br>display.)                |
| Adjustment value    | Adjust to the minimum jitter<br>value.                    |
| Tool                | Hex wrench<br>1.2mm JZS0100 (TX946380)                    |
| Screw Lock          | RZZOL01 (TX946400)                                        |

|       |                                    |
|-------|------------------------------------|
| 調整箇所  | タンジェンシャル調整ネジ、<br>チルト調整ネジ           |
| モード   | T01(内周)再生, T43(外周)再生               |
| ディスク  | DVDT-S15 (AAX07320)または<br>DVDT-S01 |
| 計測器   | なし(本体サービス表示を使用)                    |
| 調整値   | ジッター値が最低になるように<br>調整します。           |
| ツール   | 六角レンチ<br>1.2mm JZS0100 (TX946380)  |
| ネジロック | RZZOL01 (TX946400)                 |

### 1. Important points in optical pickup tilt adjustment

- Before starting optical pickup tilt adjustment, be sure to take anti-static measures.
- Optical pickup tilt adjustment is needed after replacement of the following components.

1. Optical pickup unit
2. Spindle motor unit
3. Optical pickup peripheral parts (such as the rail)

#### Notes

Adjustment is generally unnecessary after replacing other parts of the traverse unit. However, make adjustment if there is a noticeable degradation in picture quality. Optical adjustments cannot be made inside the optical pickup. Adjustment is generally unnecessary after replacing the traverse unit.

### 2. Adjustment procedure

1. While pressing the "□" and "△" buttons on the main unit, press the "STANDBY/ON" button on the main unit, and then service mode is activated.
2. In play mode, press the "1" button on the remote control unit.
3. Confirm that "J\_xxx\_yyy\_zz" is shown on the front display.

#### For your information:

"yyy" and "zz" shown to the right have nothing to do with the jitter value. "yyy" is the error counter, while "zz" is the focus drive value.

#### Note:

Jitter value appears on the front display.

4. Play test disc track01 (inner periphery).
5. Adjust tangential adjustment screw so that the jitter value is minimized.
6. Play test disc track43 (outer periphery).

### 1. 光学調整のポイント

- 光学系調整を始める前に静電気保護対策を実施してください。
- 次の部品交換時は光学調整「光ピックあおり調整」が必要です。

1. 光ピックアップを交換した。
2. スピンドルモーターアセンブリを交換した。
3. 光ピックアップ周辺(レール等)を交換した。

#### 備考

その他のトラバース内の部品交換は基本的に調整は不要ですが画質劣化が見られる場合は調整してください。光ピックアップ内の光学調整はできません。トラバースユニットを交換した場合は基本的に調整は不要です。

### 2. 調整方法

1. 本体の"□"ボタンと"△"ボタンを押しながら"STANDBY/ON"ボタンを押すと、サービスモードに入ります。
2. プレー・モードでリモコンの"1"ボタンを押します。
3. フロントのディスプレイの表示に「J\_xxx\_yyy\_zz」と表示されているのを確認します。

#### 参考

右側の「yyy」と「zz」はジッター値とは関係ありません。「yyy」はエラー発生回数をあらわします。「zz」はフォーカス駆動値をあらわします。

#### 注意

フロントのディスプレイにジッター値が表示されます。

4. テストディスクのtrack01(内周)を再生します。
5. タンジェンシャル調整ねじを回してジッター値が最低になるように調整します。
6. テストディスクのtrack43(外周)を再生します。



7. Adjust tilt adjustment screw 1 so that the jitter value is minimized.
8. Play test disc track43 (outer periphery).
9. Adjust tilt adjustment screw 2 so that the jitter value is minimized.
10. Repeat adjusting tilt adjustment screws 1 and 2 alternately until the jitter value is minimized.

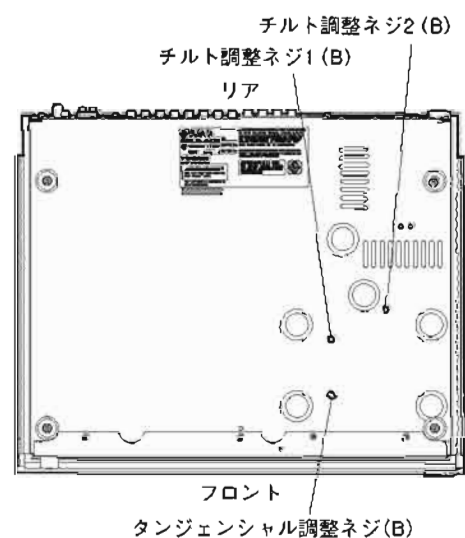
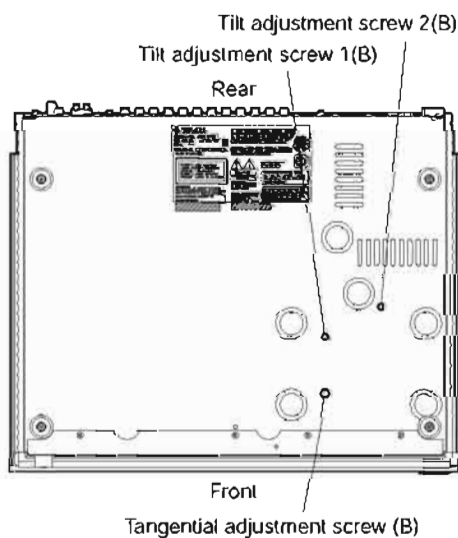
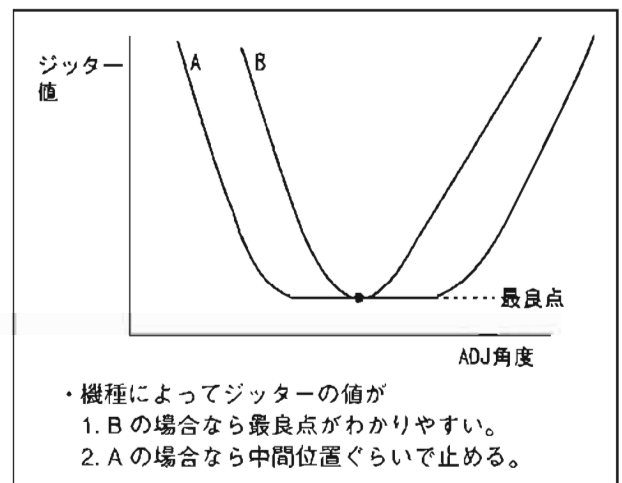
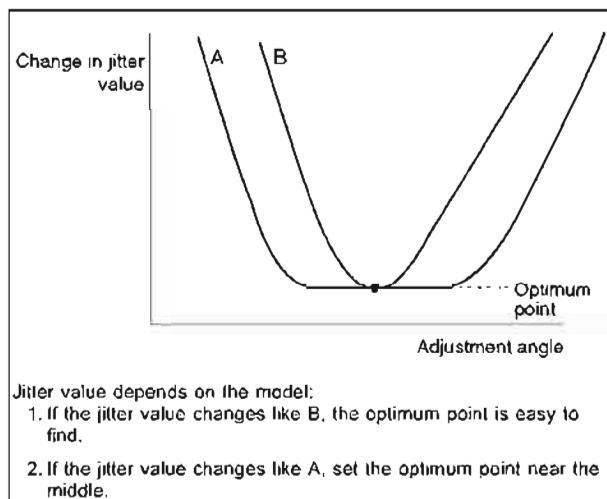
7. チルト調整ねじ1を回してジッター値が最低になるように調整します。
8. テストディスクのtrack43(外周)を再生します。
9. チルト調整ねじ2を回してジッター値が最低になるように調整します。
10. チルト調整ねじ1、2を相互にジッター値が最低になるまで繰り返して調整を行なってください。

### 3. Important points

1. Make tangential adjustment first, and then make tilt adjustment.
2. Repeat adjusting two or three times to find the optimum point.
3. Finish the procedure with tilt adjustment.

### 3. ポイント

1. タンジェンシャル側を先に調整してからチルト側を調整します。
2. 最良点を見つけるために2、3回繰り返してください。
3. 最後にチルト調整で終わってください。



### 4. Check after adjustment

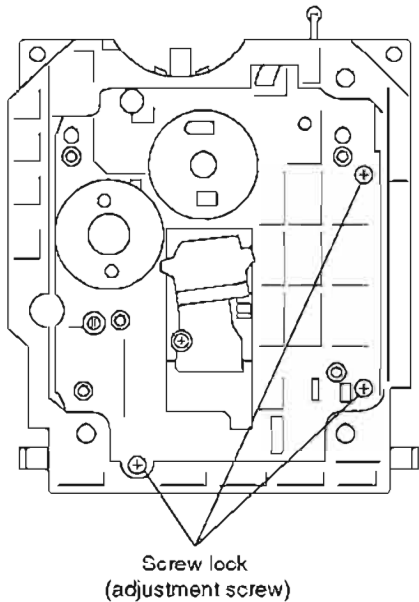
Play test disc or any other disc to make sure there is no picture degradation in the inner, middle and outer peripheries, and no audio skipping. After adjustment is finished, lock each adjustment screw in position using screw lock.

### 4. 調整後の確認

テストディスクや一般のディスクを再生して、内周、中周、外周で画質の劣化や音飛びなどが無いことを確認してください。調整終了後はネジロックを行ない調整ねじを固定します。

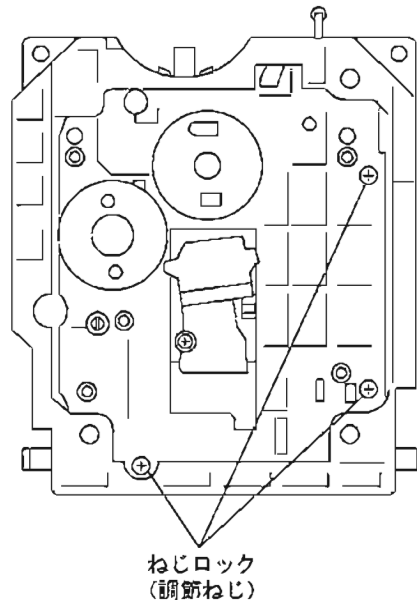
### 5. Procedure for screw lock

1. After adjustment, remove the top cover, tray, clamper base and traverse unit in this sequence.
2. Lay the traverse unit upside down and lock the adjustment screw with screw lock.
3. After locking, reassemble the traverse unit, clamper base, tray and top cover.



### 5. ネジロックの方法

1. 調整終了後、トップカバー、トレイ、クランパーベースユニット、トラバースユニットを順番に分解します。
2. トラバースユニットを裏返してネジロックで調整ねじを固定します。
3. 固定後、トラバースユニット、クランパーベースユニット、トレイ、トップカバーを組み立てます。



## ■ ELECTRICAL CONFIRMATION / 電気確認

### 1. Video Output (Luminance Signal) Confirmation

### 1. ビデオ出力(輝度信号)の確認

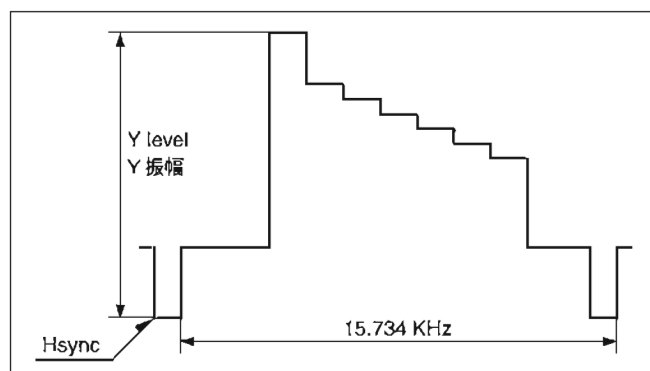
| Measurement point / 測定点                                            | Mode / モード               | Disc / ディスク                                                              |
|--------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------|
| S-Video output terminal (Y OUT)<br>S端子(Y OUT)                      | PLAY                     | DVDT-S15 (Title 10), DVDT-S01 (Title 48)<br>Color bar 100% / 100%カラーバー信号 |
| Measuring equipment, tools / 計測器                                   | Confirmation value / 確認値 |                                                                          |
| Screwdriver, Oscilloscope<br>ドライバー、オシロスコープ<br>200mV/div 10μsec/div | 1.0 Vp-p ± 20mV          |                                                                          |

Purpose: To maintain video signal output compatibility.

1. Connect the oscilloscope to the S-video output Y terminal and terminate at 75 ohms.
2. Confirm that the Y level is 1.0 Vp-p ± 20 mV.

目的：映像信号出力の互換性を保つため

1. S端子(Y OUT)を75Ωで終端し、オシロスコープに入力する。
2. Y振幅が1.0Vp-p±20mVであることを確認する。



## 2. Video Output (Chrominance Signal) Confirmation

## 2. ビデオ出力(クロマ信号)の確認

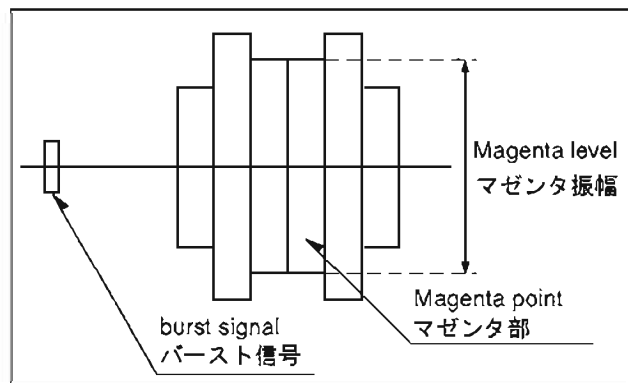
| Measurement point / 測定点                                            | Mode / モード             | Disc / ディスク                                                              |
|--------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------|
| S-Video output terminal (C OUT)<br>S端子(C OUT)                      | PLAY                   | DVDT-S15 (Title 10), DVDT-S01 (Title 48)<br>Color bar 100% / 100%カラーバー信号 |
| Measuring equipment, tools / 計測器                                   | Adjustment value / 確認値 |                                                                          |
| Screwdriver, Oscilloscope<br>ドライバー、オシロスコープ<br>200mV/div 10μsec/div | 779 mVp-p ± 40mV       |                                                                          |

Purpose: To maintain video signal output compatibility.

1. Connect the oscilloscope to the S-video output C terminal and terminate at 75 ohms.
2. Confirmation that the Magenta level is 779 mVp-p ± 40 mV.

目的：映像信号出力の互換性を保つため

1. S端子(C OUT 1/2)を75Ωで終端し、オシロスコープに  
入力する。
2. マゼンタ振幅レベルが779mVp-p±40mVであることを  
確認する。

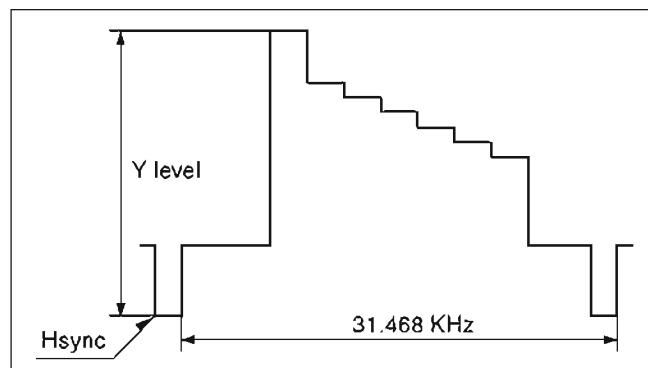


## 3. Progressive Output Confirmation (U, C, J models only)

| Measurement point                                 | Mode               | Disc                                                       |
|---------------------------------------------------|--------------------|------------------------------------------------------------|
| Component video output terminal<br>(Y OUT)        | PLAY               | DVDT-S15 (Title 10), DVDT-S01 (Title 48)<br>Color bar 100% |
| Measuring equipment, tools                        | Confirmation value |                                                            |
| Screwdriver, Oscilloscope<br>200mV/div 10μsec/div | 1.0 Vp-p ± 20mV    |                                                            |

Purpose : To maintain video signal output compatibility.

1. Connect the oscilloscope to the component video output Y terminal and terminate at 75 ohms.
2. Press the "PROGRESSIVE" button on the remote control unit. The main unit is in the "PROGRESSIVE" output mode and the front panel indicator lights.
3. Confirm that the Y level is 1.0 Vp-p ± 20 mV.



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

There are 15 DIAG menu items, each of which has sub-menu items.

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

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

ダイアグメニューは15個あり、そのそれぞれにサブメニューがあります。(ダイアグのメニュー操作は本体+付属リモコンで行います。) 下表はメニュー一覧です。

| No | DIAG menu                        | sub-menu                                                           |
|----|----------------------------------|--------------------------------------------------------------------|
| 1  | DSP THROUGH<br>1. ANALOG BYPASS  | 1. ANALOG BYPASS                                                   |
|    |                                  | 2. YSS 0dB                                                         |
|    |                                  | 3. YSS Front 0dB (Not used in this model)                          |
|    |                                  | 4. YSS FULL BIT                                                    |
|    |                                  | 5. YSS FULL BIT F (Not used in this model)                         |
| 2  | RAM THROUGH<br>2. RAM 0dB        | RAM 0dB                                                            |
| 3  | PRO LOGIC<br>3. PRO LOGIC I      | 1. PRO LOGIC I                                                     |
|    |                                  | 2. PRO LOGIC II                                                    |
| 4  | SPEAKER SET<br>4. MAIN:SML 0dB   | 1. MAIN: SMALL 0dB                                                 |
|    |                                  | 2. CENTER: NONE                                                    |
|    |                                  | 3. LFE/BASS: MAIN                                                  |
|    |                                  | 4. Front Mix: 5ch                                                  |
| 5  | MARGIN CHECK<br>5. MAIN 12dB     | 1. MAIN 12 dB MARGIN                                               |
|    |                                  | 2. MAIN 18 dB MARGIN                                               |
| 6  | OTHER INPUT<br>6. EXTERNAL DEC   | EXTERNAL DECODER (Not used in this model)                          |
| 7  | DISPLAY CHECK<br>7. VFD CHECK    | 1. VFD CHECK (Initial display / 初期表示)                              |
|    |                                  | 2. VFD DISP OFF (All segments OFF / 全セグメント消灯)                      |
|    |                                  | 3. VFD DISP ALL (All segments ON 100% / 全セグメント点灯100%)              |
|    |                                  | 4. VFD DIMMER (All segments ON 50% / 全セグメント点灯50%)                  |
|    |                                  | 5. CHECKED PATTERN (ON in lattice / 格子状点灯)                         |
| 8  | MANUAL TEST<br>8. TEST ALL       | 1. TEST ALL                                                        |
|    |                                  | 2. TEST MAIN L                                                     |
|    |                                  | 3. TEST CENTER                                                     |
|    |                                  | 4. TEST MAIN R                                                     |
|    |                                  | 5. TEST REAR R                                                     |
|    |                                  | 6. TEST REAR CENTER (Not used in this model)                       |
|    |                                  | 7. TEST REAR L                                                     |
|    |                                  | 8. TEST LFE                                                        |
| 9  | FACTORY PRESET<br>9. PRESET INHI | 1. PRESET INHIBITED (memory initialization inhibited / メモリーの初期化禁止) |
|    |                                  | 2. PRESET RESERVED (memory initialized / メモリーの初期化)                 |
| 10 | AD DATA CHECK<br>PS:063          | 1. PS (protection)<br>2. K0/K1 (panel key)                         |
| 11 | IF STATUS<br>IS1:440308C000      | 1. INSIDE STATUS 1 (5 Byte)                                        |
|    |                                  | 2. INSIDE STATUS 2 (3 Byte) (Not used in this model)               |
|    |                                  | 3. INSIDE STATUS 3 (4 Byte) (Not used in this model)               |
|    |                                  | 4. CHANNEL STATUS 1 (5 Byte) (Not used in this model)              |
|    |                                  | 5. CHANNEL STATUS 2 (5 Byte) (Not used in this model)              |
|    |                                  | 6. CHANNEL STATUS 3 (5 Byte) (Not used in this model)              |
|    |                                  | 7. CHANNEL STATUS 4 (5 Byte) (Not used in this model)              |
|    |                                  | 8. CHANNEL STATUS 5 (4 Byte) (Not used in this model)              |
|    |                                  | 9. BSI (YSS) 1 (5 Byte) (Not used in this model)                   |
|    |                                  | 10. BSI (YSS) 2 (5 Byte) (Not used in this model)                  |
|    |                                  | 11. BSI (YSS) 3 (5 Byte) (Not used in this model)                  |
|    |                                  | 12. BSI (YSS) 4 (4 Byte) (Not used in this model)                  |
|    |                                  | 13. BSI (CS) 1 (5 Byte) (Not used in this model)                   |
|    |                                  | 14. BSI (CS) 2 (5 Byte) (Not used in this model)                   |
|    |                                  | 15. BSI (CS) 3 (5 Byte) (Not used in this model)                   |
|    |                                  | 16. BSI (CS) 4 (5 Byte) (Not used in this model)                   |
|    |                                  | 17. BSI (CS) 5 (1 Byte) (Not used in this model)                   |
|    |                                  | 18. YSS938-1 (5 Byte) (Not used in this model)                     |

| No | DIAG menu                                        | sub-menu                                                                                                                                                                                                                                 |
|----|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                  | 19. YSS938-2 (5 Byte) (Not used in this model)                                                                                                                                                                                           |
|    |                                                  | 20. YSS938-3 (4 Byte) (Not used in this model)                                                                                                                                                                                           |
|    |                                                  | 21. CS49329 (3 Byte) (Not used in this model)                                                                                                                                                                                            |
|    |                                                  | 22. Mute Trigger (5 Byte) (Not used in this model)                                                                                                                                                                                       |
| 12 | DSP RAM CHECK<br>YSS BUS: NoEr                   | 1. YSS938 BUS CHECK<br>2. PLD/CS BUS CHECK                                                                                                                                                                                               |
| 13 | SOFT SWITCH<br>13. SW :PCB                       | 1. SW MODE<br>2. MODEL SETTING<br>3. TUNER DESTINATION<br>4. TUNER EXIST<br>5. RDS EXIST<br>6. VIDEO FORMAT                                                                                                                              |
| 14 | ROM VERSION/CHECK SUM/<br>PORT<br>VER. XXXXX     | 1. VERSION<br>2. CHECK SUM ALL/PROGRAM<br>3. PORT<br>4. AAC PORT                                                                                                                                                                         |
| 15 | ROM CORRECTION /<br>CHECK SUM<br>DATE: '02.02.07 | 1. SOFT DATE<br>2. ROM CORRECTION (Not used in this model)<br>3. ROM CORRECTION CHECK SUM (Not used in this model)<br>4. ROM CORRECTION REMOCON RECEIVE (Not used in this model)<br>5. REMOTE CONTROL CODE DISPLAY<br>6. PROTECT HISTORY |

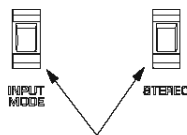
### ● Starting DIAG

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

### ● ダイアグの起動

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

Keys of main unit / 本体キー



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

### ● Starting DIAG in the protection cancel mode

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

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

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

### ● プロテクション解除モードでの起動

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

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

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

**CAUTION!**

Using this product with the protection function disabled may cause damage to itself. 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、機器を破壊することがあります。このモードを使用する場合は十分注意してください。

**• Canceling DIAG**

- [1] Before canceling DIAG, execute setting for PRESET of DIAG menu No.9 (Memory initialization inhibited or Memory initialized).
  - \* In order to keep the user memory stored, be sure to select PRESET INHIBITED (Memory initialization inhibited). Protection history will remain in memory.
- [2] Turn off the power by pressing the “STANDBY/ON” key of the main unit.

**● ダイアグの解除**

- ① ダイアグを解除する前に、ダイアグメニューNo.9のFACTORY PRESET (メモリーの初期化禁止/またはメモリーの初期化)の設定をします。
  - ※ ユーザーメモリーを保持したい場合は、必PRESET INHIBITED(メモリー初期化禁止)を選択してください。
- ② 本体の“STANDBY/ON”キーを押し、パワーオフにします。

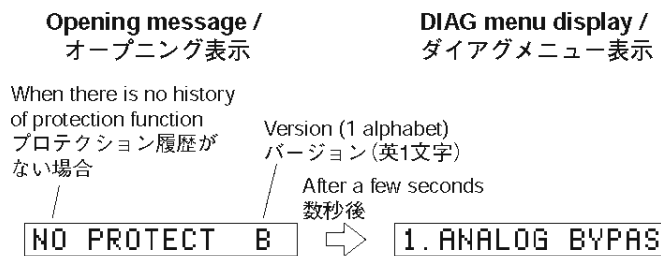
**• Display provided when DIAG started**

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

**● ダイアグ起動時の表示**

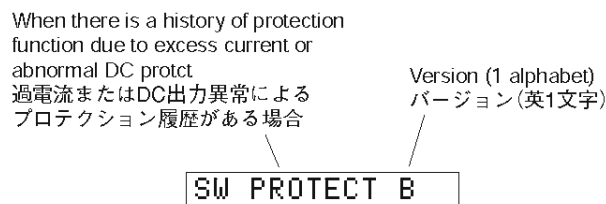
本体のFLディスプレイにプロテクション履歴情報とバージョン(英1文字)が表示され、数秒後にダイアグメニュー(No.1 DSP THROUGHのサブメニューANALOG BYPASS)になります。

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



**プロテクション履歴がない場合:**

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



**プロテクション履歴がある場合:**

**Cause:** An excessive current flowed through the power amplifier or DC output of the power amplifier is abnormal.

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

**原因:** パワーアンプに過電流が流れた、またはパワーアンプのDC出力が異常。

異常状態のままパワーオンすると、瞬時にプロテクションがかかり、すぐに電源が切れます。

**Note)**

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

When there is a history of protection function due to abnormal voltage in the power supply section  
電源部の電圧異常によるプロテクション履歴がある場合

Version (1 alphabet)  
バージョン(英1文字)

PS PRT:000 B

Voltage display in %  
電圧の%表示

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

**Supplementary information:** The abnormal voltage is displayed in % based on 5V as 100%.

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

- \* Additional causes of protection can be due to loose connections (including ground), associated components, CPU, etc.

原因：電源部の電圧が異常。

補足：異常時の電圧の状態を、5Vを100%とした値で%表示します。

異常状態のままパワーオンすると、1秒後にプロテクションがかかり、電源が切れます。

- ※ 前記の異常原因の他に、コネクタのはずれやCPU周辺などに原因がある場合があります。

### ● 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.

The history of the protection function is cleared when DIAG is cancelled by selecting PRESET ESERVED (Memory initialized) of DIAG menu No.9 or by selecting Prt Hist < DEL (Protection history deletion reserved) of sub-menu 6 of DIAG menu No.15 and the backup data is erased.

### ● プロテクションの履歴

プロテクションが働いた場合、履歴をバックアップして記憶しています。サービスのときに異常が認められなくても、バックアップが残っていれば、お客様のところで起きた異常を区別できます。

プロテクションの履歴は、ダイアグメニューNo.9で PRESET RESERVED (メモリーの初期化)を選んでダイアグを解除した場合や、ダイアグメニューNo.15のサブメニュー6で Prt Hist < DEL (プロテクション履歴削除の予約)を選んでダイアグ解除した場合、バックアップが消えたときにはクリアされます。

### ● Display during menu operation

During the DIAG operation, the function at work is indicated on the FL indicator. The contents displayed during the function operation are described in the later section on details of functions

### ● メニュー動作中の表示

ダイアグ中、本体のFLディスプレイに動作中の機能が表示されます。機能動作中の表示内容については、後述の機能詳細で記述します。

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

There are 15 MENU items, each of which has some SUB-MENU items.

### DIAG menu selection

Main unit: Select the menu using  $\blacktriangle$  (Forward) and  $\blacktriangledown$  (Reverse) keys of PRESET/TUNING.

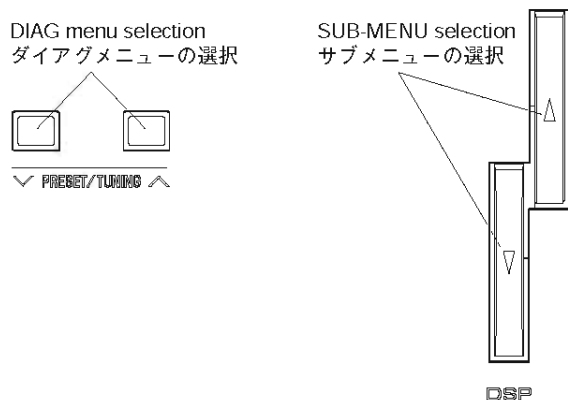
Remote control unit: Select the menu using  $\blacktriangledown$  (Forward) and  $\blacktriangle$  (Reverse) keys. (in AMP mode)

### SUB-MENU selection

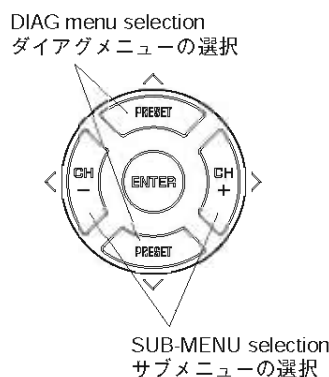
Main unit: Select the sub-menu using  $\blacktriangle$  (Forward) and  $\blacktriangledown$  (Reverse) keys of DSP.

Remote control unit: Select the sub-menu using  $\blacktriangleright$  (Forward) and  $\blacktriangleleft$  (Reverse) keys. (in AMP mode)

Keys of main unit / 本体キー



Keys of remote control / リモコンキー



## ● Functions in DIAG mode

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

- Input selection, Disc Direct (Input DVD/CD)
- Center/Rear/Sub-woofer level adjustment
- Muting
- Power on/off
- Master volume

- \* Functions related to the tuner and the set menu are not available.
- \* It is possible to confirm Menu No.11 IF STATUS while keeping the signal process (operation status) of each DIAG menu by using the input mode key of the main unit.

## ● Initial settings used to start DIAG

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

- Master volume: -40dB
- Input: VIDEO 1
- Effect level: 0dB
- Audio mute: OFF
- SP/PRE OUT: PRE OUT
- DIAG menu: DSP THROUGH (1. ANALOG BYPASS)

## ● ダイアグメニューとサブメニューの操作

ダイアグにはNo.1~15のメニューがあり、そのそれぞれにサブメニューがあります。

### ダイアグメニューの選択

本体キーでの操作： PRESET/TUNING  $\blacktriangle$  (順送り),  $\blacktriangledown$  (逆送り) キーで選択します。

リモコンでの操作：  $\blacktriangledown$  (順送り),  $\blacktriangle$  (逆送り) キーで選択します。(AMPモード)

### サブメニューの選択

本体キーでの操作： DSP  $\blacktriangle$  (順送り),  $\blacktriangledown$  (逆送り) キーで選択します。

リモコンでの操作：  $\blacktriangleright$  (順送り),  $\blacktriangleleft$  (逆送り) キーで選択します。(AMPモード)

## ● ダイアグ中の機能

ダイアグメニューの他に、以下の機能が動作します。

- インプット切り換え、Disc Direct (インプットDVD/CD時)
- センター、リア、サブウーファーレベル調整
- ミューティング
- パワーオン/オフ
- マスターボリューム

※ チューナー関連、セットメニュー関連は機能しません。

※ 本体のINPUT MODEキーにより、各ダイアグメニューの信号処理(動作状態)を維持したままメニューNo.11 "IF STATUS"の確認ができます。

## ● ダイアグ開始時の初期設定

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

- マスターボリューム： -40dB
- インプット： VIDEO 1
- エフェクトレベル： 0dB
- オーディオミュート： オフ
- SP/PRE OUT： PRE OUT
- ダイアグメニュー： DSP THROUGH (1. ANALOG BYPASS)



## ● Details of DIAG menu

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

### 1. DSP THROUGH

Main DSP of YSS938 is selected for MAIN L/R output.

### ANALOG BYPASS

- The signal for L/R is output as it is without passing through the DSP section.

## ● ダイアグメニュー詳細

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

### 1. DSP THROUGH

MAIN L/R出力にはYSS938のMain DSPが選択されます。

### ANALOG BYPASS

- L/Rは、DSP部を通らずにそのまま出力されます。

## 1. ANALOG BYPASS

Reference data

INPUT: VIDEO 1 ANALOG

SWFR: 50Hz, Others: 1kHz

| Input level      | Volume | 6CH PRE OUT     |               |              |                  |
|------------------|--------|-----------------|---------------|--------------|------------------|
|                  |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| Both ch, -20 dBV | -10 dB | -15.5 dBV       | -∞            | -∞           | -∞               |

### YSS 0dB

- The signal is output including the head margin.

Head margin:

Main L/R: 0dBFS, Center: 0dBFS,

RL/RR: -12dBFS, SWFR: Add L/R signal at -20dBFS.

### YSS 0dB

- ヘッドマージンを含んで出力されます。

ヘッドマージン:

Main L/R: 0dBFS, Center: 0dBFS,

RL/RR: -12dBFS, SWFR: L/Rを-20dBfsにて加算

## 1. YSS 0dB

Reference data

INPUT: VIDEO 1 ANALOG

SWFR: 50Hz, Others: 1kHz

| Input level      | Volume | 6CH PRE OUT     |               |              |                  |
|------------------|--------|-----------------|---------------|--------------|------------------|
|                  |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| Both ch, -20 dBV | -10 dB | -16.0 dBV       | -16.0 dBV     | -16.2 dBV    | -4.0 dBV         |

### YSS Front 0dB

- Not used in this model

### YSS Front 0dB

- 使用しません

### YSS FULL BIT

- The signal is output in digital full bit without including the head margin.

### YSS FULL BIT

- ヘッドマージンを含まず、デジタルフルビットで出力されます。

## 1. YSS FULL BIT

Reference data

INPUT: VIDEO 1 ANALOG

SWFR: 50Hz, Others: 1kHz

| Input level      | Volume | 6CH PRE OUT     |               |              |                  |
|------------------|--------|-----------------|---------------|--------------|------------------|
|                  |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| Both ch, -20 dBV | -10 dB | -16.0 dBV       | -16.0 dBV     | -16.2 dBV    | -4.0 dBV         |

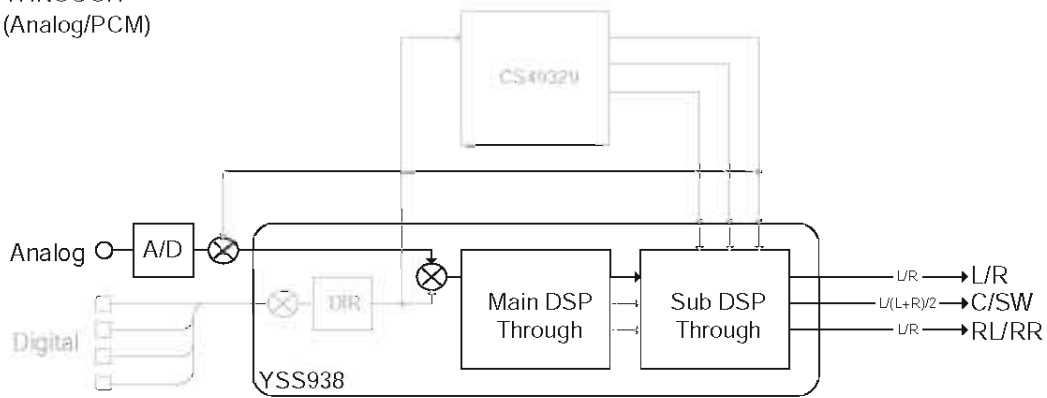
### YSS FULL BIT F

- Not used in this model

### YSS FULL BIT F

- 使用しません

DSP THROUGH ~  
YSS (Analog/PCM)



(Shaded items not used in this example)

**2. RAM THROUGH**

This function is for YSS938 only.  
Only the CT signal is output through the Sub DSP - DRAM.

**2. RAM THROUGH**

YSS938のみの動作です。  
CTのみがSub DSP - DRAM経由で出力されます。

**RAM 0dB**

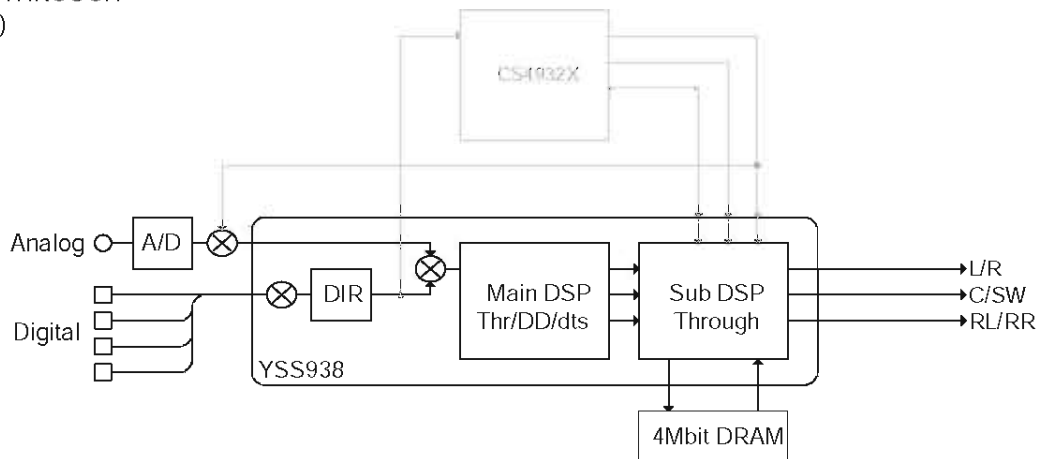
**RAM 0dB**

**2. RAM 0dB**

Reference data  
INPUT: VIDEO 1 ANALOG  
SWFR: 50Hz, Others: 1kHz

| Input level      | Volume | 6CH PRE OUT     |               |              |                  |
|------------------|--------|-----------------|---------------|--------------|------------------|
|                  |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| Both ch, -20 dBV | -10 dB | -∞              | -16.0 dBV     | -∞           | -∞               |

RAM THROUGH ~  
(Auto)



(Shaded items not used in this example)

### 3. PRO LOGIC

The L/C/R/RL/RR signals undergo the Pro-Logic processing and C/RL/RR signals are output through Sub DSP-DRAM. Main DSP is selected for MAIN L/R output. Using the sub-menu, it is possible to select PRO LOGIC I, II (Movie). The Auto Input Balance function is always off. The LFE signal is not output when decoding in the PRO LOGIC I, II mode.

### 3. PRO LOGIC

L/C/R/RL/RRはYSS938によりプロロジック処理され、C/RL/RRはSub DSP-DRAM経由で出力されます。MAIN L/R出力にはMain DSPが選択されます。サブメニューでPRO LOGIC I、II (Movie) を選択可能です。常時Auto Input Balance offです。  
 AAC入力時はCS49329でデコード後、L/Rはプロロジック処理されます。(J modelのみ)  
 PRO LOGIC I、IIデコード時は、LFEは出力されません。

#### PRO LOGIC I

#### PRO LOGIC I

### 3. PRO LOGIC I

Reference data  
 INPUT: VIDEO 1 ANALOG  
 SWFR: 50Hz, Others: 1kHz

| Input level      | Volume | 6CH PRE OUT     |               |              |                  |
|------------------|--------|-----------------|---------------|--------------|------------------|
|                  |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| Each ch, -20 dBV | -10 dB | -16.5 dBV       | -∞            | -∞           | -∞               |
| Both ch, -20 dBV | -10 dB | -∞              | -13.0 dBV     | -∞           | -∞               |

#### PRO LOGIC II

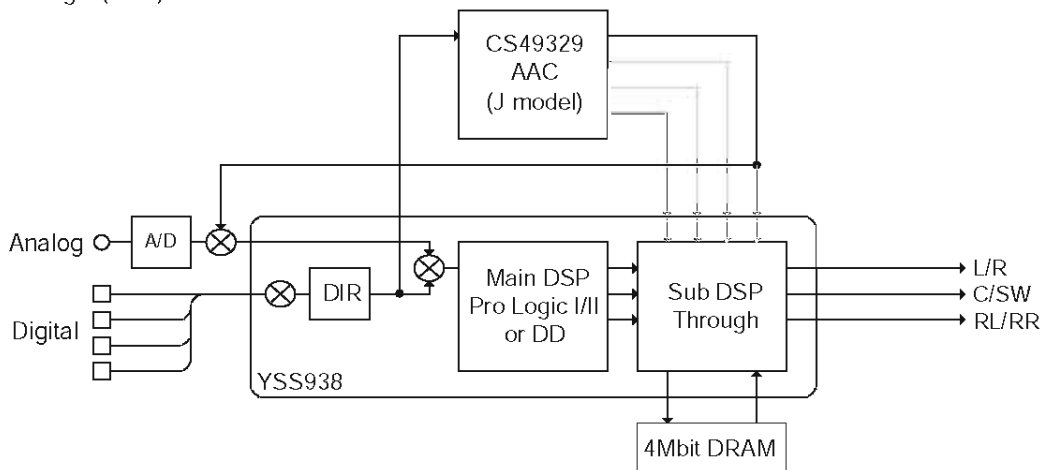
#### PRO LOGIC II

### 3. PRO LOGIC II

Reference data  
 INPUT: VIDEO 1 ANALOG  
 SWFR: 50Hz, Others: 1kHz

| Input level      | Volume | 6CH PRE OUT     |               |              |                  |
|------------------|--------|-----------------|---------------|--------------|------------------|
|                  |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| Each ch, -20 dBV | -10 dB | -19.7 dBV       | -∞            | -∞           | -∞               |
| Both ch, -20 dBV | -10 dB | -∞              | -13.0 dBV     | -∞           | -∞               |

Dolby Pro Logic (Auto)



(Shaded items not used in this example)

DVR-S100/NX-SW100

**4. SPEAKERS SET**

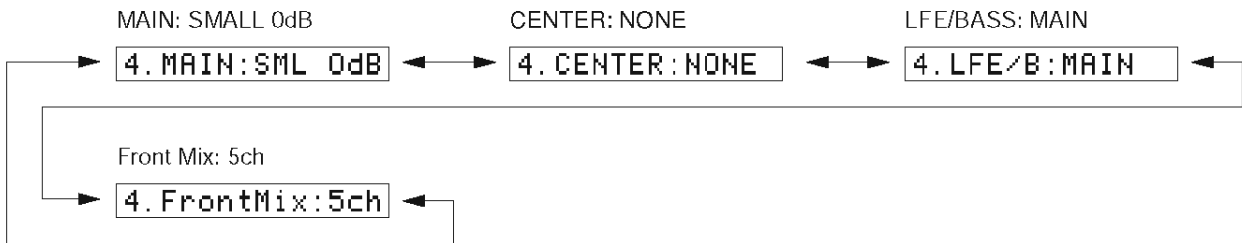
The input signal is automatically identified and switched in the priority order of dts → DOLBY DIGITAL → AAC → PCM AUDIO → Analog (A/D) according to the signal detection.

The signals output from the DSP block are the same as 1. DSP THROUGH: YSS 0dB.

**4. SPEAKERS SET**

入力信号は検出によって、dts → DOLBY DIGITAL → AAC → PCM AUDIO → アナログ(A/D)の優先順で自動判別切り換えされます。

DSP部からは、No.1 DSP THROUGHのYSS 0dBと同様の信号が出力されます。



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

各サブメニューにおけるアナログスイッチの設定は以下の通りです。

| Sub-menu          | CENTER SP | REAR SP | MAIN SP | MAIN LEVEL | LFE/BASS |
|-------------------|-----------|---------|---------|------------|----------|
| 1 MAIN: SMALL 0dB | LARGE     | LARGE   | SMALL   | 0dB        | SWFR     |
| 2 CENTER: NONE    | NONE      | LARGE   | LARGE   | 0dB        | BOTH     |
| 3 LFE/BASS: MAIN  | SMALL     | SMALL   | LARGE   | 0dB        | MAIN     |
| 4 FRONT MIX: 5CH  | LARGE     | LARGE   | LARGE   | 0dB        | BOTH     |

- LARGE:** This mode is used with a speaker with high bass reproduction performance (a large unit). Full bandwidth signals are output.
- SMALL:** This mode is used with a speaker with low bass reproduction performance (a small unit). The signals of 90Hz or less are mixed into the channel specified by LFE/BASS.
- NONE:** This mode is used with no center speaker. The center content is reduced by 3dB and distributed to MAIN L/R.

- LARGE:** 低音再生能力の高い(ユニットの大きい)スピーカーを使用するモードです。全帯域が出力されます。
- SMALL:** 低音再生能力の低い(ユニットの小さい)スピーカーを使用するモードです。90Hz以下がLFE/BASSで指定したチャンネルにミックスされます。
- NONE:** スピーカーを使用しないモードです。センター成分は-3dBされて、MAIN L/R に振り分けられます。

Reference data

INPUT: VIDEO 1 ANALOG (Both ch)

| Sub-menu          | Input level                | Volume | 6CH PRE OUT     |               |              |                  |
|-------------------|----------------------------|--------|-----------------|---------------|--------------|------------------|
|                   |                            |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| 1 MAIN: SMALL 0dB | 1kHz/90Hz Both ch, -20 dBV | -10 dB | -16.5/-19.5 dBV | -∞            | -∞           | -∞               |
| 2 CENTER: NONE    | 1kHz Both ch, -20 dBV      | -10 dB | -∞              | -16.0 dBV     | -∞           | -∞               |
| 3 LFE/BASS: MAIN  | 50Hz Both ch, -20 dBV      | -10 dB | -∞              | -∞            | -∞           | -4.0 dBV         |
| 4 FRONT MIX: 5CH  | 1kHz Both ch, -20 dBV      | -10 dB | -16.5 dBV       | -∞            | -∞           | -∞               |

**5. MARGIN CHECK**

The signal is output including the head margin.

**5. MARGIN CHECK**

ヘッドマージンを含んで出力されます。

**MAIN 12dB MARGIN**

**MAIN 12dB MARGIN**

5. MAIN 12dB

Reference data

INPUT: VIDEO 1 ANALOG

SWFR: 50Hz, Others: 1kHz

| Input level      | Volume | 6CH PRE OUT     |               |              |                  |
|------------------|--------|-----------------|---------------|--------------|------------------|
|                  |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| Both ch, -20 dBV | -10 dB | -28.7 dBV       | -∞            | -∞           | -∞               |

**MAIN 18dB MARGIN**

**MAIN 18dB MARGIN**

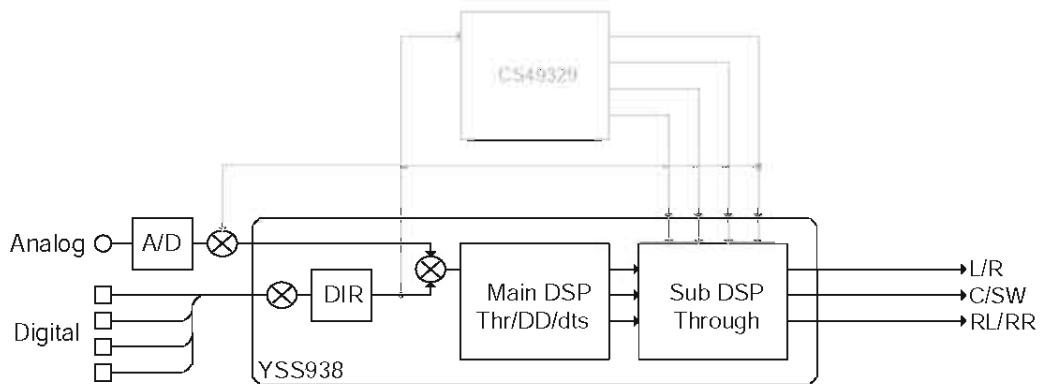
5. MAIN 18dB

Reference data

INPUT: VIDEO 1 ANALOG

SWFR: 50Hz, Others: 1kHz

| Input level      | Volume | 6CH PRE OUT     |               |              |                  |
|------------------|--------|-----------------|---------------|--------------|------------------|
|                  |        | MAIN L/R (1kHz) | CENTER (1kHz) | RL/RR (1kHz) | SUBWOOFER (50Hz) |
| Both ch, -20 dBV | -10 dB | -34.5 dBV       | -∞            | -∞           | -∞               |



(Shaded items not used in this example)

6. OTHER INPUT

Not used in this model.

EXTERNAL DECODER

6. OTHER INPUT

使用しません。

EXTERNAL DECODER

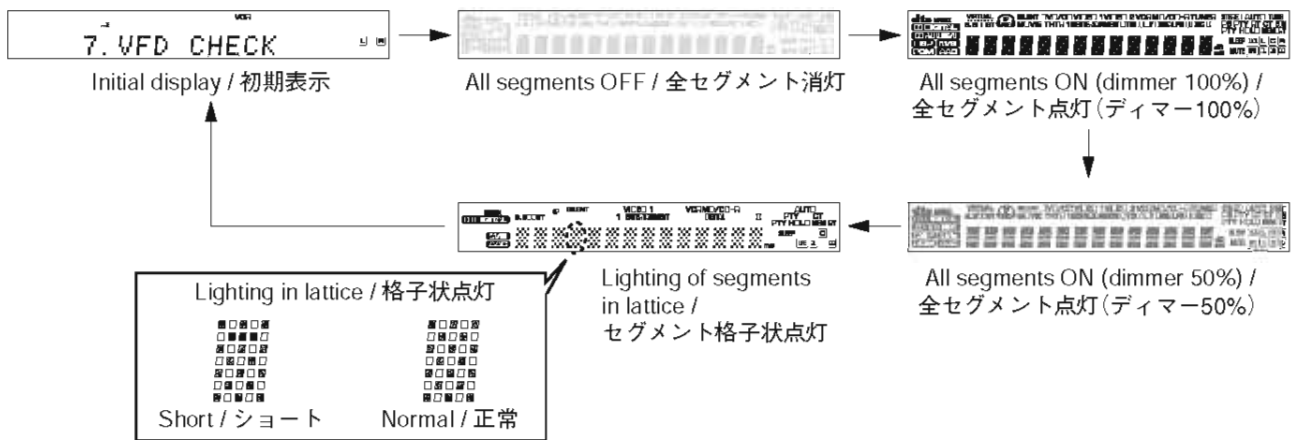
6. EXTERNAL DEC

7. DISPLAY CHECK

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

7. DISPLAY CHECK

FL表示部のチェックプログラムです。サブメニュー操作により、表示状態が以下のように変わります。信号処理はEFFECT OFF (ANALOG MAIN BYPASSでL/Rを出力)です。



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

全セグメント消灯・全セグメント点灯によりFLドライバー、FL管のセグメントの不良を確認します。次に、ディマーコントロールによってFLドライバーの動作チェックを行います。さらに全セグメントを交互(格子状)に点灯/消灯することで、隣り合うセグメントのショートをチェックします。

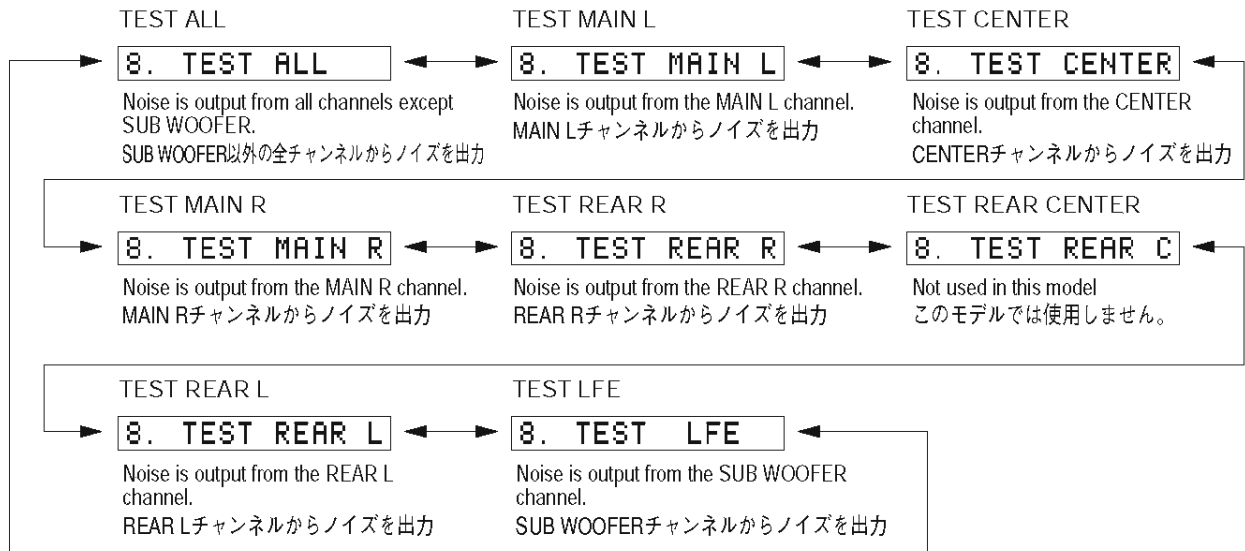
DVR-S100/NX-SW100

### 8. MANUAL TEST

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

### 8. MANUAL TEST

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



### 9. FACTORY PRESET

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

### 9. FACTORY PRESET

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

#### 9. PRESET INHI



#### 9. PRESET RSRV

#### PRESET INHIBIT (Initialization inhibited) / PRESET INHIBIT (初期化禁止)

RAM initialization is not executed. Select this sub-menu to protect the values set by the user. Note: The protection history will not be erased using PRESET INHIBIT.

RAMの初期化は行われません。ユーザーの設定値を保護するときは、こちらを選択してください。

#### PRESET RESERVED (Initialization reserved) / PRESET RESERVED (初期化予約)

Initialization of the back-up RAM is reserved. (Actually, initialization is executed the next time that the power is turned on.) Select this sub-menu to reset to the original factory settings or to reset the RAM. Use PRESET RESERVED to erase the protection history.

バックアップRAMの初期化が予約されます。（実際に初期化されるのは、次回の電源投入時です。）工場出荷時やRAMをリセットしたいときは、こちらを選択してください。

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

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

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

• PRESET STATIONS / プリセット局

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

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

10. AD DATA CHECK/FAN TEST

This menu is used to display the A/D conversion value of the terminals which detects panel keys of the main unit and protection functions in % using the sub-menu (5V as 100%). During signal processing, the condition before execution is maintained.

When K0/K1 menu is selected, keys become non-operable due to detection of the values of all keys. However, it is possible to advance to the next sub-menu by pressing the ">" key on the remote control unit.

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

PS (protection detection)

Power supply voltage protection value (Normal value: 044 to 070)

\* If PS is out of the normal value range, the protection function works to turn off the power within 1 second.

PS:063

K0/K1 (Panel key of main unit)

A/D of the key fails to function properly when the standard value is deviated. In this case, check the constant of partial pressure resistor, solder condition, etc. Refer to table 1.

K0:100 K1:100

10. AD DATA CHECK/FAN TEST

本体パネルキー、プロテクションなどを検出している端子のA/D変換の値を、サブメニューで%表示します(5V 100%)。信号処理は実行前の状態を維持します。

K0/K1のメニューにすると、全キーの値を検出するためキー操作はできなくなりますが、リモコンの">"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。

PS (プロテクションの検出)

電源電圧プロテクションの値(正常値044~070)

※ PSは正常値を外れるとプロテクションが働き、電源オフされます。

K0/K1 (本体パネルキー)

キーのA/Dは基準値から外れると、正常な動きをしません。Table 1をご覧ください。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。

[Table 1]

| Display | K0       | K1          |
|---------|----------|-------------|
| 0       | □        | INPUT MODE  |
| 10      | VOLUME - | ◀◀/▶▶       |
| 19      | VOLUME + | ▶▶/◀◀       |
| 29      | DSP ▼    | □□          |
| 40      | DSP ▲    | ▶           |
| 50      | INPUT ▼  | ▲           |
| 60      | INPUT ▲  | DISC DIRECT |
| 69      | STEREO   | PROGRESSIVE |
| 100     | -        | -           |



### 11. IF STATUS (Input function status)

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

\* Numeric values in the figure example are for reference.

#### IS1 (Internal status):

Indicates the status information of the microprocessor.

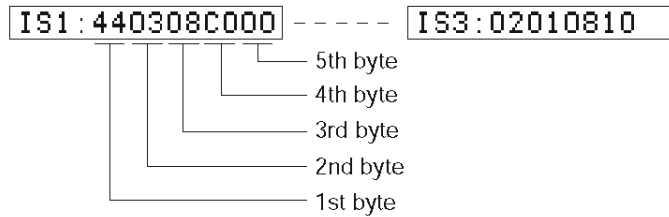
### 11. IF STATUS

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

※図中の数値は参考例です。

#### IS1 (内部ステータス):

マイコンのステータス情報を表示します。



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

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

| Value | Choice  | Preset name |
|-------|---------|-------------|
| 0     | NONE    |             |
| 1     | Digital | DVD/CD      |
| 2     | A       | VIDEO 1     |
| 3     |         |             |
| 4     |         |             |
| 8     | B       | MD/CD-R     |

<2nd byte> Fs information of reproduction signal

<第2バイト> 再生信号のFs情報

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

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

<第3バイト> 再生信号のオーディオコードモード情報

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

<4th byte> Format information of reproduction signal

<第4バイト> 再生信号のフォーマット情報

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

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

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

<5th byte> Signal processing status information  
 \*2: With digital signals other than 32kHz, 44.1kHz and 48kHz, through processing method is used for reproducible signals.

<第5バイト>信号処理ステータス情報  
 \*2: 32kHz、44.1kHz、48kHz以外のデジタル信号の場合、再生可能な信号についてはスルー処理されます。

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

IS2-3 (Internal status): (Not used in this model)

IS2-3 (内部ステータス): (使用しません)

CS1-5: Indicates channel status information of the input signal (IEC60958). (Not used in this model)

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

CS1: 0299000200 ----- CS5: 00000000

BY1-4: Indicates information of the bit stream included in the DOLBY DIGITAL signal. (Not used in this model)

BY1-4: DOLBY DIGITAL信号に含まれるビットストリームインフォメーション情報を表示します。(使用しません)

BY1: 1E40E1301B ----- BY4: 01FFFFFF

BC1-5: Indicates information of the bit stream included in the dts signal. (Not used in this model)

BC1-5: dts信号に含まれるビットストリームインフォメーション情報を表示します。(使用しません)

BC1: 000070FFFF ----- BC5: C4

YS1-3: Indicates device status information of YSS938 (IC600). (Not used in this model)

YS1-3: YSS938 (IC600)のデバイスステータス情報を表示します。(使用しません)

\* The numeric value in the figure is an example for reference.

※ 図中数値は参考例です。

YS1: FE02004F97

YS2: 0101418000

YS3: 1A41803D

| Byte No. | Function           |
|----------|--------------------|
| 1        | YSS MUTE Reg       |
| 2        | YSS MODE Reg       |
| 3        | YSS IPORT BIT 7-0  |
| 4        | YSS IPORT BIT 14-8 |
| 5        | YSS OPORT          |

| Byte No. | Function             |
|----------|----------------------|
| 1        | IEC 1937 Preamble Pc |
| 2        | Data Stream Reg      |
| 3        | Status Reg           |
| 4        | YSS ZERO Reg         |
| 5        | MIREG                |

| Byte No. | Function     |
|----------|--------------|
| 1        | DIR Status   |
| 2        | DIR fs       |
| 3        | DIR fs count |
| 4        | YSS ZEROBF   |

CS: CS49329 Unsolicited Messages (AUTODETECT\_RESPONSE) (Not used in this model)

CS: CS49329 Unsolicited Messages (AUTODETECT\_RESPONSE) (使用しません)

CS : 000001

**MTT: Mute Trigger**  
(Not used in this model)

**MTT: Mute Trigger**  
(使用しません)

MTT : 0020000007

| Byte No. | Function                             |
|----------|--------------------------------------|
| 1        | Mute condition                       |
| 2        | Factor of the last mute              |
| 3        | Error count of YSS938-FSCNT          |
| 4        | Mute count by YSS938-FSCNT           |
| 5        | Error factor of down load of CS49329 |

## 12. DSP RAM CHECK

This menu is used to self-diagnose whether or not the bus connection for the YSS938 and the external RAM is made properly.

During signal processing, the status before execution of this menu is maintained.

The address bus and the data bus are checked and the connection condition is displayed.

When no error is detected, "NoEr" appears on display.

### YSS938 Bus Check

YSS BUS : NoEr

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

## PLD/SRAM BUS CHECK

## 12. DSP RAM CHECK

YSS938と外付けRAMとのバス接続の正否を自己診断します。

信号処理は、このメニューを実行する前の状態を維持します。

アドレスバス、データバスのチェックを行い、接続正否を表示します。

エラーが検出されなかった場合は、“NoEr”と表示されます。

### YSS938 BUS CHECK

## PLD/SRAM BUS CHECK

CS BUS : NoEr

| Display | Description                              |
|---------|------------------------------------------|
| WAIT    | Bus is being checked.                    |
| NoEr    | No error detected.                       |
| DATA    | Data bus shorted or open. (XX: 00-07)    |
| ADDR    | Address bus shorted or open. (XX: 00-0E) |

## 13. SOFT SW

This menu is used to confirm the function settings on P.C.B..

**SW MODE:** Select PCB. Do not select SOFT.

## 13. SOFT SW

P.C.B.上の機能設定を確認する機能です。

**SW MODE :** PCBを選択してください。SOFTには設定しないでください。

13. SW : PCB

**MODEL SETTING:** DVX only

**MODEL SETTING :** DVXのみ

13. MODEL : DVX

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

**TUNER DESTINATION:** J、UC、ALG、Rのいずれかを確認できます。

13. DEST : UC

**TUNER:** NOT or EXIST can be confirmed.

**TUNER:** NOTまたはEXISTを確認できます。

13. TUNER: EXIST

**RDS:** NOT or EXIST can be confirmed.

**RDS:** NOTまたはEXISTを確認できます。

13. RDS : NOT

**VIDEO FORMAT:** NTSC or PAL can be confirmed.

**VIDEO FORMAT:** NTSCまたはPALを確認できます。

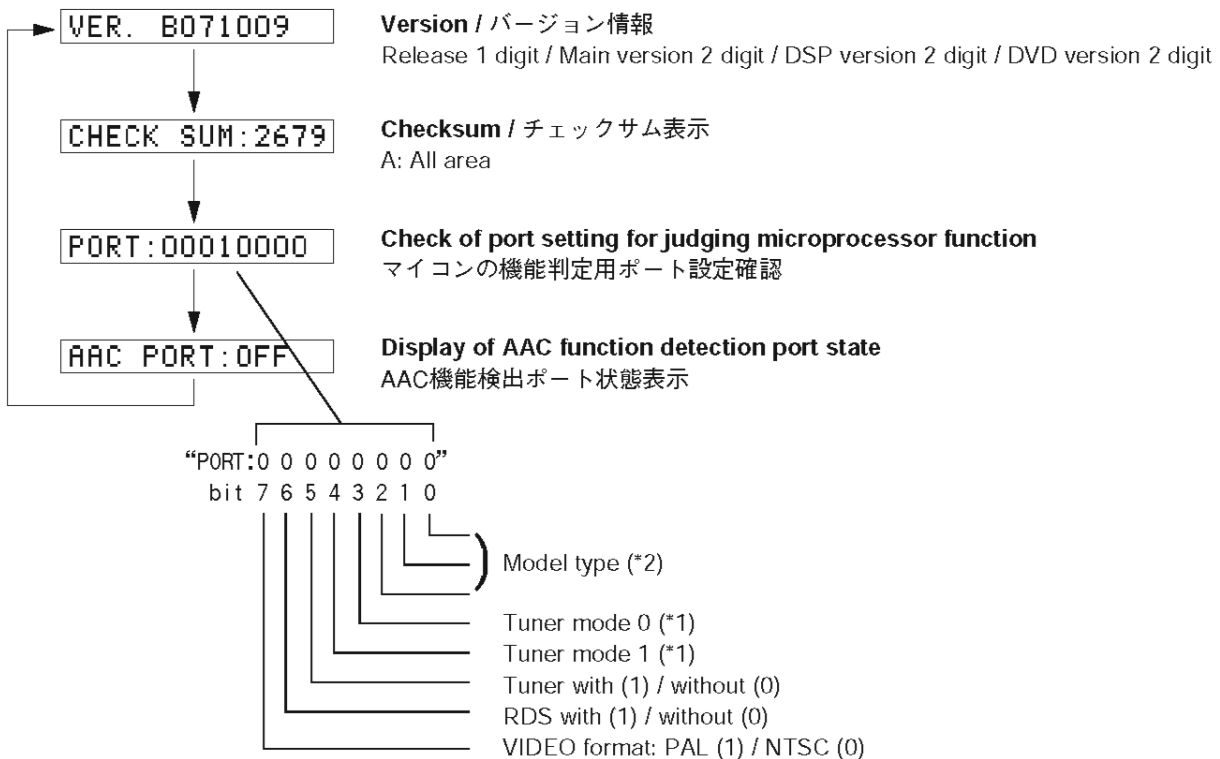
13. VIDEO: NTSC

**14. MICROPROCESSOR INFORMATION**

The version, checksum and the port specified by the microprocessor are displayed. The signal is processed using EFFECT OFF. The checksum is obtained by adding the data at every 8 bits for each program area and expressing the result as a 4-figure hexadecimal data.

**14. マイコン情報**

サブメニューは4つあります。プログラムのバージョン、チェックサム、マイコンの指定ポートを表示します。信号はエフェクトOFFです。チェックサムは、プログラムエリア別にデータを8ビットごとに加算していき、4桁の16進データで現したものです。



\*1 (Tuner mode)

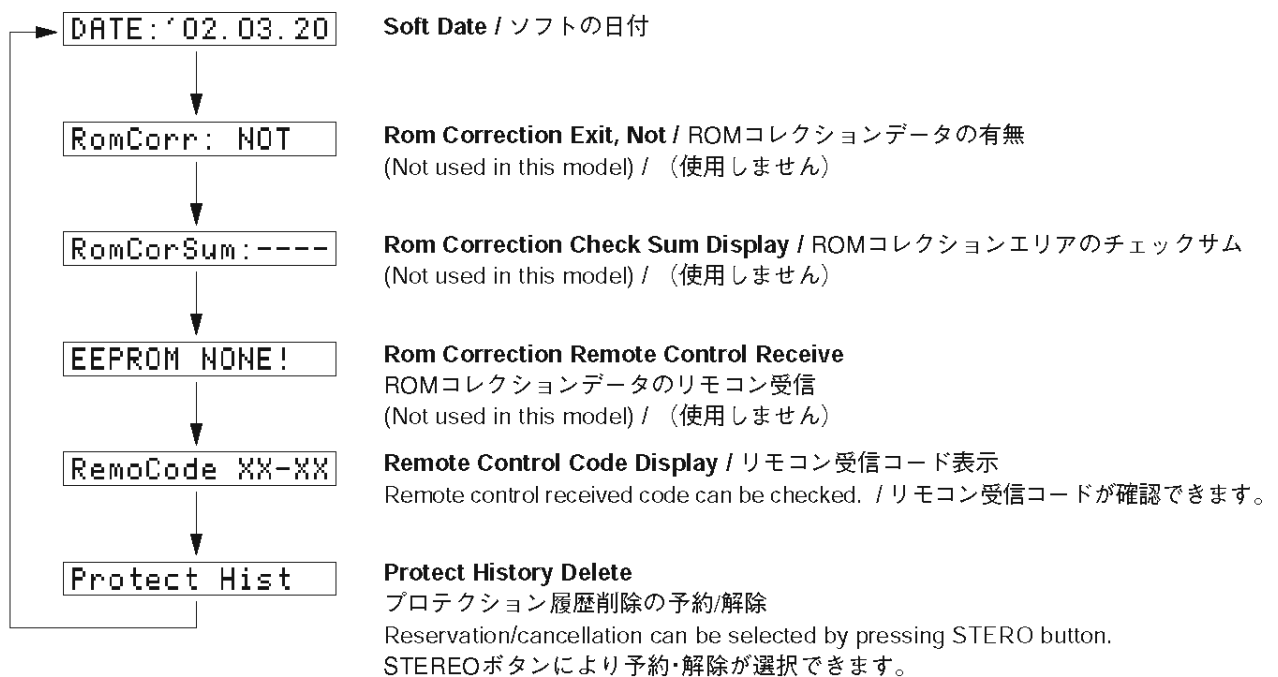
| Tuner mode 1 | Tuner mode 0 | Tuner frequency                                |
|--------------|--------------|------------------------------------------------|
| 0            | 0            | AM: 531-1611kHz/9kHz FM: 76.0-90.0MHz/100kHz   |
| 1            | 0            | AM: 531-1611kHz/9kHz FM: 87.50-108.00MHz/50kHz |
| 0            | 1            | AM: 530-1710kHz/10kHz FM: 87.5-107.9MHz/200kHz |
| 1            | 1            | AM: 531-1611kHz/9kHz FM: 87.50-108.00MHz/50kHz |

\*2 (Model type)

| bit 2 | bit 1 | bit 0 | Model    |
|-------|-------|-------|----------|
| 1     | 0     | 1     | DVR-S100 |

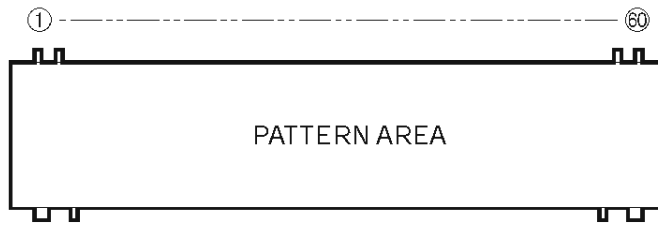
15. ROM CORRECTION / CHECK SUM

15. ROMコレクション/チェックサム



## ■ DISPLAY DATA

V600: 13-BT-199GNK (V8558600)



### ● PIN CONNECTION

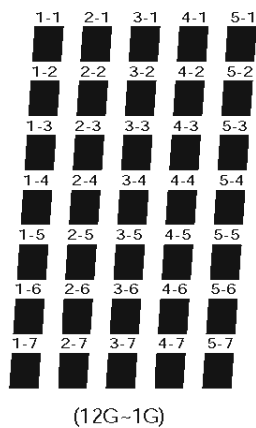
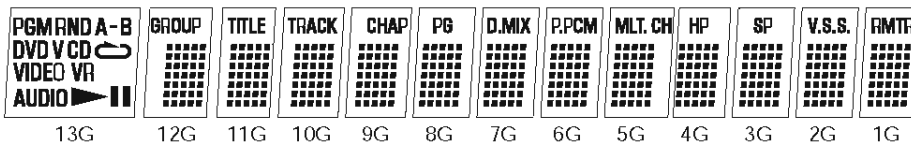
|            |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pin No.    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |
| Connection | F1 | 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 |




|            |     |     |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Pin No.    | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41 | 42 | 43 | 44  | 45  | 46  | 47  | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| Connection | P27 | P28 | P29 | P30 | P31 | P32 | P33 | P34 | P35 | P36 | NX | NX | NX | 13G | 12G | 11G | 10G | 9G | 8G | 7G | 6G | 5G | 4G | 3G | 2G | 1G | NP | NP | NX | F2 |

Note : 1) F1, F2 ..... Filament 2) NP ..... No pin 3) DL ..... Datum Line 4) 1G ~ 13G ..... Grid 5) NX ..... No extened

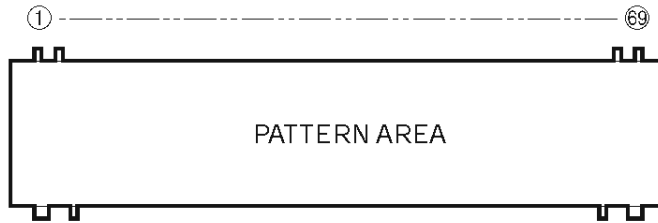
### ● GRID ASSIGNMENT



## ● ANODE CONNECTION

|     |                                                                                   |              |              |              |             |           |              |              |                |           |           |               |             |
|-----|-----------------------------------------------------------------------------------|--------------|--------------|--------------|-------------|-----------|--------------|--------------|----------------|-----------|-----------|---------------|-------------|
|     | 13G                                                                               | 12G          | 11G          | 10G          | 9G          | 8G        | 7G           | 6G           | 5G             | 4G        | 3G        | 2G            | 1G          |
| P1  | <b>PGM</b>                                                                        | 1-1          | 1-1          | 1-1          | 1-1         | 1-1       | 1-1          | 1-1          | 1-1            | 1-1       | 1-1       | 1-1           | 1-1         |
| P2  | <b>RND</b>                                                                        | 2-1          | 2-1          | 2-1          | 2-1         | 2-1       | 2-1          | 2-1          | 2-1            | 2-1       | 2-1       | 2-1           | 2-1         |
| P3  | <b>A-</b>                                                                         | 3-1          | 3-1          | 3-1          | 3-1         | 3-1       | 3-1          | 3-1          | 3-1            | 3-1       | 3-1       | 3-1           | 3-1         |
| P4  | <b>B</b>                                                                          | 4-1          | 4-1          | 4-1          | 4-1         | 4-1       | 4-1          | 4-1          | 4-1            | 4-1       | 4-1       | 4-1           | 4-1         |
| P5  | <b>DVD</b>                                                                        | 5-1          | 5-1          | 5-1          | 5-1         | 5-1       | 5-1          | 5-1          | 5-1            | 5-1       | 5-1       | 5-1           | 5-1         |
| P6  | <b>V</b>                                                                          | 1-2          | 1-2          | 1-2          | 1-2         | 1-2       | 1-2          | 1-2          | 1-2            | 1-2       | 1-2       | 1-2           | 1-2         |
| P7  | <b>CD</b>                                                                         | 2-2          | 2-2          | 2-2          | 2-2         | 2-2       | 2-2          | 2-2          | 2-2            | 2-2       | 2-2       | 2-2           | 2-2         |
| P8  |  | 3-2          | 3-2          | 3-2          | 3-2         | 3-2       | 3-2          | 3-2          | 3-2            | 3-2       | 3-2       | 3-2           | 3-2         |
| P9  | <b>VIDEO</b>                                                                      | 4-2          | 4-2          | 4-2          | 4-2         | 4-2       | 4-2          | 4-2          | 4-2            | 4-2       | 4-2       | 4-2           | 4-2         |
| P10 | <b>VR</b>                                                                         | 5-2          | 5-2          | 5-2          | 5-2         | 5-2       | 5-2          | 5-2          | 5-2            | 5-2       | 5-2       | 5-2           | 5-2         |
| P11 | <b>AUDIO</b>                                                                      | 1-3          | 1-3          | 1-3          | 1-3         | 1-3       | 1-3          | 1-3          | 1-3            | 1-3       | 1-3       | 1-3           | 1-3         |
| P12 |  | 2-3          | 2-3          | 2-3          | 2-3         | 2-3       | 2-3          | 2-3          | 2-3            | 2-3       | 2-3       | 2-3           | 2-3         |
| P13 |  | 3-3          | 3-3          | 3-3          | 3-3         | 3-3       | 3-3          | 3-3          | 3-3            | 3-3       | 3-3       | 3-3           | 3-3         |
| P14 | —                                                                                 | 4-3          | 4-3          | 4-3          | 4-3         | 4-3       | 4-3          | 4-3          | 4-3            | 4-3       | 4-3       | 4-3           | 4-3         |
| P15 | —                                                                                 | 5-3          | 5-3          | 5-3          | 5-3         | 5-3       | 5-3          | 5-3          | 5-3            | 5-3       | 5-3       | 5-3           | 5-3         |
| P16 | —                                                                                 | 1-4          | 1-4          | 1-4          | 1-4         | 1-4       | 1-4          | 1-4          | 1-4            | 1-4       | 1-4       | 1-4           | 1-4         |
| P17 | —                                                                                 | 2-4          | 2-4          | 2-4          | 2-4         | 2-4       | 2-4          | 2-4          | 2-4            | 2-4       | 2-4       | 2-4           | 2-4         |
| P18 | —                                                                                 | 3-4          | 3-4          | 3-4          | 3-4         | 3-4       | 3-4          | 3-4          | 3-4            | 3-4       | 3-4       | 3-4           | 3-4         |
| P19 | —                                                                                 | 4-4          | 4-4          | 4-4          | 4-4         | 4-4       | 4-4          | 4-4          | 4-4            | 4-4       | 4-4       | 4-4           | 4-4         |
| P20 | —                                                                                 | 5-4          | 5-4          | 5-4          | 5-4         | 5-4       | 5-4          | 5-4          | 5-4            | 5-4       | 5-4       | 5-4           | 5-4         |
| P21 | —                                                                                 | 1-5          | 1-5          | 1-5          | 1-5         | 1-5       | 1-5          | 1-5          | 1-5            | 1-5       | 1-5       | 1-5           | 1-5         |
| P22 | —                                                                                 | 2-5          | 2-5          | 2-5          | 2-5         | 2-5       | 2-5          | 2-5          | 2-5            | 2-5       | 2-5       | 2-5           | 2-5         |
| P23 | —                                                                                 | 3-5          | 3-5          | 3-5          | 3-5         | 3-5       | 3-5          | 3-5          | 3-5            | 3-5       | 3-5       | 3-5           | 3-5         |
| P24 | —                                                                                 | 4-5          | 4-5          | 4-5          | 4-5         | 4-5       | 4-5          | 4-5          | 4-5            | 4-5       | 4-5       | 4-5           | 4-5         |
| P25 | —                                                                                 | 5-5          | 5-5          | 5-5          | 5-5         | 5-5       | 5-5          | 5-5          | 5-5            | 5-5       | 5-5       | 5-5           | 5-5         |
| P26 | —                                                                                 | 1-6          | 1-6          | 1-6          | 1-6         | 1-6       | 1-6          | 1-6          | 1-6            | 1-6       | 1-6       | 1-6           | 1-6         |
| P27 | —                                                                                 | 2-6          | 2-6          | 2-6          | 2-6         | 2-6       | 2-6          | 2-6          | 2-6            | 2-6       | 2-6       | 2-6           | 2-6         |
| P28 | —                                                                                 | 3-6          | 3-6          | 3-6          | 3-6         | 3-6       | 3-6          | 3-6          | 3-6            | 3-6       | 3-6       | 3-6           | 3-6         |
| P29 | —                                                                                 | 4-6          | 4-6          | 4-6          | 4-6         | 4-6       | 4-6          | 4-6          | 4-6            | 4-6       | 4-6       | 4-6           | 4-6         |
| P30 | —                                                                                 | 5-6          | 5-6          | 5-6          | 5-6         | 5-6       | 5-6          | 5-6          | 5-6            | 5-6       | 5-6       | 5-6           | 5-6         |
| P31 | —                                                                                 | 1-7          | 1-7          | 1-7          | 1-7         | 1-7       | 1-7          | 1-7          | 1-7            | 1-7       | 1-7       | 1-7           | 1-7         |
| P32 | —                                                                                 | 2-7          | 2-7          | 2-7          | 2-7         | 2-7       | 2-7          | 2-7          | 2-7            | 2-7       | 2-7       | 2-7           | 2-7         |
| P33 | —                                                                                 | 3-7          | 3-7          | 3-7          | 3-7         | 3-7       | 3-7          | 3-7          | 3-7            | 3-7       | 3-7       | 3-7           | 3-7         |
| P34 | —                                                                                 | 4-7          | 4-7          | 4-7          | 4-7         | 4-7       | 4-7          | 4-7          | 4-7            | 4-7       | 4-7       | 4-7           | 4-7         |
| P35 | —                                                                                 | 5-7          | 5-7          | 5-7          | 5-7         | 5-7       | 5-7          | 5-7          | 5-7            | 5-7       | 5-7       | 5-7           | 5-7         |
| P36 | —                                                                                 | <b>GROUP</b> | <b>TITLE</b> | <b>TRACK</b> | <b>CHAP</b> | <b>PG</b> | <b>D.MIX</b> | <b>P.PCM</b> | <b>MLT. CH</b> | <b>HP</b> | <b>SP</b> | <b>V.S.S.</b> | <b>RMTR</b> |

V602: 16-BT-99GNK (V8558700)



● PIN CONNECTION

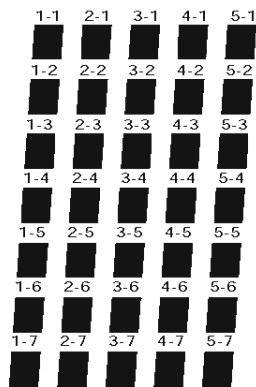
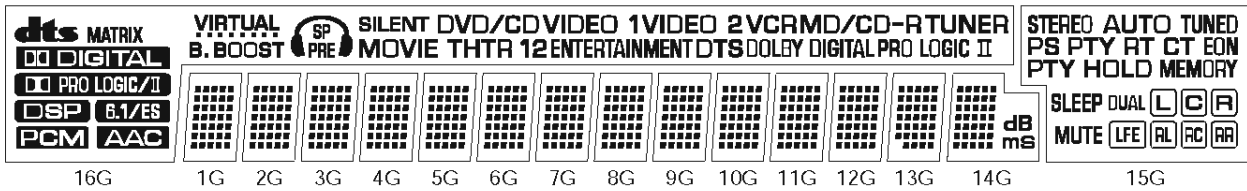
|            |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |
|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| Pin No.    | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29  | 30  | 31  | 32  | 33  | 34  | 35  |
| Connection | F1 | NX | NP | NP | 1G | 2G | 3G | 4G | 5G | 6G | 7G | 8G | 9G | 10G | 11G | 12G | 13G | 14G | 15G | 16G | NX | NX | NX | NX | NX | NX | NX | NX | P37 | P36 | P35 | P34 | P33 | P32 | P31 |

|            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Pin No.    | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56  | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| Connection | P30 | P29 | P28 | P27 | P26 | P25 | P24 | P23 | P22 | P21 | P20 | P19 | P18 | P17 | P16 | P15 | P14 | P13 | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 | NP | NP | NX | F2 |

Note : 1) F1, F2 ..... Filament 2) NP ..... No pin 3) NX ..... No extened 4) DL ..... Datum Line 5) 1G ~ 16G ..... Grid

● GRID ASSIGNMENT




(1G~14G)

DVR-S100/NX-SW100



## ● ANODE CONNECTION

|     | 16G                                                                               | 15G             | 14G       | 13G~1G |
|-----|-----------------------------------------------------------------------------------|-----------------|-----------|--------|
| P1  | <b>dts</b>                                                                        | —               | 1-1       | 1-1    |
| P2  | <b>MATRIX</b>                                                                     | —               | 2-1       | 2-1    |
| P3  | —                                                                                 | —               | 3-1       | 3-1    |
| P4  | <b>D1 DIGITAL</b>                                                                 | —               | 4-1       | 4-1    |
| P5  | <b>D1 PRO LOGIC/II</b>                                                            | —               | 5-1       | 5-1    |
| P6  | —                                                                                 | —               | 1-2       | 1-2    |
| P7  | <b>DSP</b>                                                                        | <b>PS</b>       | 2-2       | 2-2    |
| P8  | <b>B.1/ES</b>                                                                     | <b>PTY</b>      | 3-2       | 3-2    |
| P9  | <b>PCM</b>                                                                        | <b>RT</b>       | 4-2       | 4-2    |
| P10 | <b>AAC</b>                                                                        | <b>CT</b>       | 5-2       | 5-2    |
| P11 | <b>VIRTUAL</b>                                                                    | <b>EON</b>      | 1-3       | 1-3    |
| P12 | <b>SILENT</b>                                                                     | <b>PTY HOLD</b> | 2-3       | 2-3    |
| P13 |  | <b>STEREO</b>   | 3-3       | 3-3    |
| P14 | <b>B. BOOST</b>                                                                   | <b>AUTO</b>     | 4-3       | 4-3    |
| P15 | —                                                                                 | <b>TUNED</b>    | 5-3       | 5-3    |
| P16 | —                                                                                 | <b>MEMORY</b>   | 1-4       | 1-4    |
| P17 | <b>DTS</b>                                                                        | <b>MUTE</b>     | 2-4       | 2-4    |
| P18 | —                                                                                 | <b>SLEEP</b>    | 3-4       | 3-4    |
| P19 | <b>DOLBY</b>                                                                      | <b>DUAL</b>     | 4-4       | 4-4    |
| P20 | <b>DIGITAL</b>                                                                    | <b>LFE</b>      | 5-4       | 5-4    |
| P21 | <b>PRO LOGIC</b>                                                                  | <b>L</b>        | 1-5       | 1-5    |
| P22 | <b>II</b>                                                                         | <b>C</b>        | 2-5       | 2-5    |
| P23 | <b>MOVIE THTR</b>                                                                 | <b>R</b>        | 3-5       | 3-5    |
| P24 | <b>1</b>                                                                          | <b>RL</b>       | 4-5       | 4-5    |
| P25 | <b>2</b>                                                                          | <b>RC</b>       | 5-5       | 5-5    |
| P26 | <b>ENTERTAINMENT</b>                                                              | <b>RR</b>       | 1-6       | 1-6    |
| P27 | —                                                                                 | —               | 2-6       | 2-6    |
| P28 | <b>SP</b>                                                                         | —               | 3-6       | 3-6    |
| P29 | <b>PRE</b>                                                                        | —               | 4-6       | 4-6    |
| P30 | <b>VCR</b>                                                                        | —               | 5-6       | 5-6    |
| P31 | <b>VIDEO 2</b>                                                                    | —               | 1-7       | 1-7    |
| P32 | <b>VIDEO 1</b>                                                                    | —               | 2-7       | 2-7    |
| P33 | <b>DVD/CD</b>                                                                     | —               | 3-7       | 3-7    |
| P34 | <b>MD/CD-R</b>                                                                    | —               | 4-7       | 4-7    |
| P35 | <b>TUNER</b>                                                                      | —               | 5-7       | 5-7    |
| P36 | —                                                                                 | —               | <b>dB</b> | —      |
| P37 | —                                                                                 | —               | <b>ms</b> | —      |

## ■ IC DATA

IC15: M30624F9AF (MAIN P.C.B.)

CPU

| No. | Function name | Port No. | I/O    | Detail of function                                                      |
|-----|---------------|----------|--------|-------------------------------------------------------------------------|
| 1   | P96           | SOUT4    | S-OUT  | Electronic Volume IC DATA (Serial I/O-4)                                |
| 2   | P95           | CLK4     | S-CLK  | Electronic Volume IC CLOCK (Serial I/O-4)                               |
| 3   | P94           | DA1      | OUT    |                                                                         |
| 4   | P93           | (DA0)    | OUT    |                                                                         |
| 5   | P92           | SOUT3    | S-OUT  | [SDM] YSS938 DATA OUT (Serial I/O-3)                                    |
| 6   | P91           | SIN3     | S-IN   | [SDD] YSS938 DATA IN (Serial I/O-3)                                     |
| 7   | P90           | CLK3     | S-CLK  | [SCK] YSS938 CLOCK OUT (Serial I/O-3)                                   |
| 8   | BYTE          | —        | —      | Connect to Vss (GND).                                                   |
| 9   | CNVSS         | —        | —      | Connect to Vss (GND) via Resistor (5.1 k-ohms) [For flash Writing: Vcc] |
| 10  | P87           | CMOS     | OUT    | DVD Unit Power OUT                                                      |
| 11  | P86           | COMS     | OUT    | DVD Panel Control Reset OUT                                             |
| 12  | /RESET        | —        | —      | Reset [0: Reset]                                                        |
| 13  | Xout          | —        | —      | 10MHz OUT (with built-in feedback resistor)                             |
| 14  | Vss           | —        | —      | GND                                                                     |
| 15  | Xin           | —        | —      | 10MHz IN (with built-in feedback resistor)                              |
| 16  | Vcc           | —        | —      | Power supply, +5V                                                       |
| 17  | P85           | /NMI     | IN     | Connect to Vcc (GND) via Resistor (10 k-ohms) (NMI function unused)     |
| 18  | P84           | /INT2    | INT-IN | DVD Panel Control CE IN (to check the front end of data)                |
| 19  | P83           | /INT1    | INT-IN | [INT938] YSS938 IPINT/MUTE/DIR                                          |
| 20  | P82           | (/INT0)  | OUT    | Effect SP Relay Output [1: ON]                                          |
| 21  | P81           | CMOS     | OUT    | Main SP Relay Output [1: ON]                                            |
| 22  | P80           | CMOS     | OUT    | Power Relay Output (SW) [1: ON]                                         |
| 23  | P77           | —        | IN     | Headphone Detect (Pull-up resistor required) [1: being used]            |
| 24  | P76           | CMOS     | OUT    | Power Relay Output (Center Unit) [1: ON]                                |
| 25  | P75           | CMOS     | IN     | Subwoofer Detect Input (Pull-up resistor required) [1: SW provided]     |
| 26  | P74           | CMOS     | OUT    | [/ICD] YSS938 /DA /AD /CODEC /DEM OUT                                   |
| 27  | P73           | /CTS2    | OUT    | [CSY] YSS938 CE OUT                                                     |
| 28  | P72           | CLK2     | S-CLK  | FL Driver CLOCK OUT (Serial I/O-2)                                      |
| 29  | P71           | RxD2     | IN     | CS-DSP INT                                                              |
| 30  | P70           | TxD2     | N-OUT  | FL Driver TxD [Pull-up resistor required] (Serial I/O-2)                |
| 31  | P67           | TxD1     | S-OUT  | DATA OUT to EEPROM/DATA OUT to Flash Writer (Serial I/O-1)              |
| 32  | P66           | RxD1     | S-IN   | DATA IN from EEPROM/DATA IN from Flash Writer (Serial I/O-1)            |
| 33  | P65           | CLK1     | S-CLK  | CLK OUT to EEPROM/CLK IN from Flash Writer (Serial I/O-1)               |
| 34  | P64           | /CTS1    | OUT    | Busy OUT to Flash Writer                                                |
| 35  | P63           | TxD0     | S-OUT  | DVD Panel Control DATA OUT (Serial I/O-0)                               |
| 36  | P62           | RxD0     | S-IN   | DVD Panel Control DATA IN (Serial I/O-0)                                |
| 37  | P61           | CLK0     | S-CLK  | DVD Panel Control CLK IN (Serial I/O-0)                                 |
| 38  | P60           | /CTS0    | OUT    |                                                                         |
| 39  | P57           | CLKOUT   | OUT    | [CSR] CS493x TxD                                                        |
| 40  | P56           | ALE      | IN     | [CST] CS493x RxD                                                        |
| 41  | P55           | /HOLD    | IN     | Connect to Vss (GND) via Resistor (10 k-ohms) (For Flash Writing: L)    |
| 42  | P54           | /HLDA    | OUT    | [CSC] CS493x CLOCK OUT                                                  |
| 43  | P53           | BCLK     | OUT    | [/CSCS] CS493x CS OUT                                                   |
| 44  | P52           | /RD      | OUT    | [/ICCS] CS493x RESET OUT                                                |
| 45  | P51           | /WRH     | OUT    | [/CSPLD] DIG EXTERNAL IC CE OUT (when PLD is used)                      |
| 46  | P50           | /WRL     | IN     | Connect to Vcc via Resistor (10 k-ohms) (For Flash Writing: H)          |
| 47  | P47           | /CS3     | OUT    |                                                                         |
| 48  | P46           | /CS2     | OUT    | CE OUT to EEPROM [1: DATA Transfer]                                     |
| 49  | P45           | /CS1     | OUT    |                                                                         |
| 50  | P44           | /CS0     | OUT    | FL Driver RESET (Light OFF) OUT                                         |
| 51  | P43           | CMOS     | OUT    | PLL/RDS IC TxD                                                          |
| 52  | P42           | -        | IN     | PLL IC RxD (Pull-up Resistor required)                                  |
| 53  | P41           | CMOS     | OUT    | PLL/RDS IC CLOCK                                                        |
| 54  | P40           | CMOS     | OUT    | FL Driver CE OUT [0: Address 1: Data]                                   |
| 55  | P37           | -        | IN     | TUNER STEREO/MONO IN (Pull-up Resistor required) [0: STEREO]            |
| 56  | P36           | CMOS     | OUT    | TUNER MUTE OUT                                                          |
| 57  | P35           | -        | IN     | TUNER STATION IN (Pull-up Resistor required) [0: Station provided]      |
| 58  | P34           | CMOS     | OUT    | RDS Enable [0: Address 1: Data]                                         |
| 59  | P33           | CMOS     | OUT    | PLL IC Chip Enable OUT [0: Address 1: Data]                             |

IC15: M30624F9AF (MAIN P.C.B.)  
CPU

| No. | Function name | Port No. | I/O    | Detail of function                                                         |
|-----|---------------|----------|--------|----------------------------------------------------------------------------|
| 60  | P32           | -        | IN     | RDS IC Rx D (Pull-up Resistor required)                                    |
| 61  | P31           | CMOS     | OUT    |                                                                            |
| 62  | VCC           | -        | -      | Power Supply +5V                                                           |
| 63  | P30           | CMOS     | IN     | (HP Disc Direct AUTO OFF Select IN) * Unused (Internal pull-up) [0: Valid] |
| 64  | VSS           | -        | -      | GND                                                                        |
| 65  | P27           | CMOS     | OUT    |                                                                            |
| 66  | P26           | CMOS     | OUT    |                                                                            |
| 67  | P25           | CMOS     | OUT    |                                                                            |
| 68  | P24           | CMOS     | OUT    | VIDEO Selector D (NJM2296D)                                                |
| 69  | P23           | CMOS     | OUT    | VIDEO Selector C (NJM2296D)                                                |
| 70  | P22           | CMOS     | OUT    | VIDEO Selector B (NJM2296D)                                                |
| 71  | P21           | CMOS     | OUT    | VIDEO Selector A (NJM2296D)                                                |
| 72  | P20           | CMOS     | OUT    | INPUT DVD (Voltage at S Terminal switching) [1: INPUT DVD]                 |
| 73  | P17           | /INT5    | INT-IN | Remote Control IN                                                          |
| 74  | P16           | /INT4    | INT-IN | Standby SW IN [1: ON]                                                      |
| 75  | P15           | /INT3    | INT-IN | PowerDown DETECT INT IN [0: POWER DOWN]                                    |
| 76  | P14           | CMOS     | OUT    | Full MUTE OUT [0: MUTE]                                                    |
| 77  | P13           | CMOS     | OUT    | Pre-out MUTE OUT [0: MUTE]                                                 |
| 78  | P12           | CMOS     | OUT    |                                                                            |
| 79  | P11           | CMOS     | OUT    |                                                                            |
| 80  | P10           | CMOS     | OUT    | DVD DISC DIRECT LED OUT [1: ON]                                            |
| 81  | P07           | CMOS     | OUT    | AUDIO IC CE (Input Select LC78211 x 2) [0: Address 1: Data]                |
| 82  | P06           | CMOS     | OUT    | AUDIO IC DATA (Input Select LC78211 x 2)                                   |
| 83  | P05           | CMOS     | OUT    | AUDIO IC CLOCK (Input Select LC78211 x 2)                                  |
| 84  | P04           | CMOS     | OUT    | DVD 6ch Analog L, R Low Range/LFE Select OUT [1: L, R Low Range]           |
| 85  | P03           | CMOS     | OUT    |                                                                            |
| 86  | P02           | CMOS     | OUT    | Electronic Volume IC Chip Enable OUT                                       |
| 87  | P01           | CMOS     | OUT    | Electronic Volume IC DC Bias Initialize (Reset) OUT                        |
| 88  | P00           | CMOS     | OUT    | Bass Boost OUT [0: ON]                                                     |
| 89  | P107          | AN7      | A-D IN | Destination Select Input [0 ~ VREF]                                        |
| 90  | P106          | AN6      | A-D IN | (Key AD Input 2) (Pulled up with 100 k-ohms) [0 ~ VREF]                    |
| 91  | P105          | AN5      | A-D IN | Key AD Input 1 [0 ~ VREF]                                                  |
| 92  | P104          | AN4      | A-D IN | Key AD Input 0 [0 ~ VREF]                                                  |
| 93  | P103          | AN3      | A-D IN | (Pull-down resistor required) [0 ~ VREF]                                   |
| 94  | P102          | AN2      | A-D IN | Center Unit Power Voltage Detect IN (Protection) [0 ~ VREF]                |
| 95  | P101          | (AN1)    | IN     | SW Protection IN [L: SW Protection ON]                                     |
| 96  | AVSS          | -        | -      | Connect to Vss (GND)                                                       |
| 97  | P100          | AN0      | A-D IN | (Pull-down resistor required) [0 ~ VREF]                                   |
| 98  | VREF          | -        | -      | A-D, D-A Reference Voltage Input [~ VCC]                                   |
| 99  | AVCC          | -        | -      | Connect to Vcc terminal (+5V)                                              |
| 100 | P97           | SIN4     | OUT    |                                                                            |

● KEY input (A-D) Pull-up resistance 10 k-ohms

| Ω                 | 0                 | +1.2k                          | +1.2k                          | +1.8k                | +2.7k  | +3.3k  | +4.7k                     | +8.2k                 | +18k   | +47k   |
|-------------------|-------------------|--------------------------------|--------------------------------|----------------------|--------|--------|---------------------------|-----------------------|--------|--------|
| V                 | 0~0.25            | ~0.75                          | ~1.25                          | ~1.75                | ~2.25  | ~2.75  | ~3.25                     | ~3.75                 | ~4.25  | ~4.75  |
| KEY 0<br>(92 pin) | STOP<br>A/B/C/D/E | VOLUME-                        | VOLUME+                        | DSP-                 | DSP+   | INPUT- | INPUT+                    | STEREO<br>(EFFECT)    | NO KEY | NO KEY |
| KEY 1<br>(91 pin) | INPUT MODE        | SKIP/SEARCH-<br>PRESET/TUNING- | SKIP/SEARCH+<br>PRESET/TUNING+ | PAUSE<br>PRESET/BAND | PLAY   | EJECT  | DISC DIRECT<br>AUTO/MAN'L | PROGRESSIVE<br>MEMORY | NO KEY | NO KEY |
| KEY 2<br>(90 pin) | NO KEY            | NO KEY                         | NO KEY                         | NO KEY               | NO KEY | NO KEY | NO KEY                    | NO KEY                | NO KEY | NO KEY |

● Tuner Destination select (89 pin A-D) Pull-up resistance 10 k-ohms

| Ω           | 15k          | 24k   | 39k   | 91k   | ∞ (Pull-up only) |
|-------------|--------------|-------|-------|-------|------------------|
| V           | ~3.25        | ~3.75 | ~4.25 | ~4.75 | 4.75~5           |
| Destination | R (50k / 9k) | A     | U, C  | B, G  | J                |

DVR-S100/NX-SW100

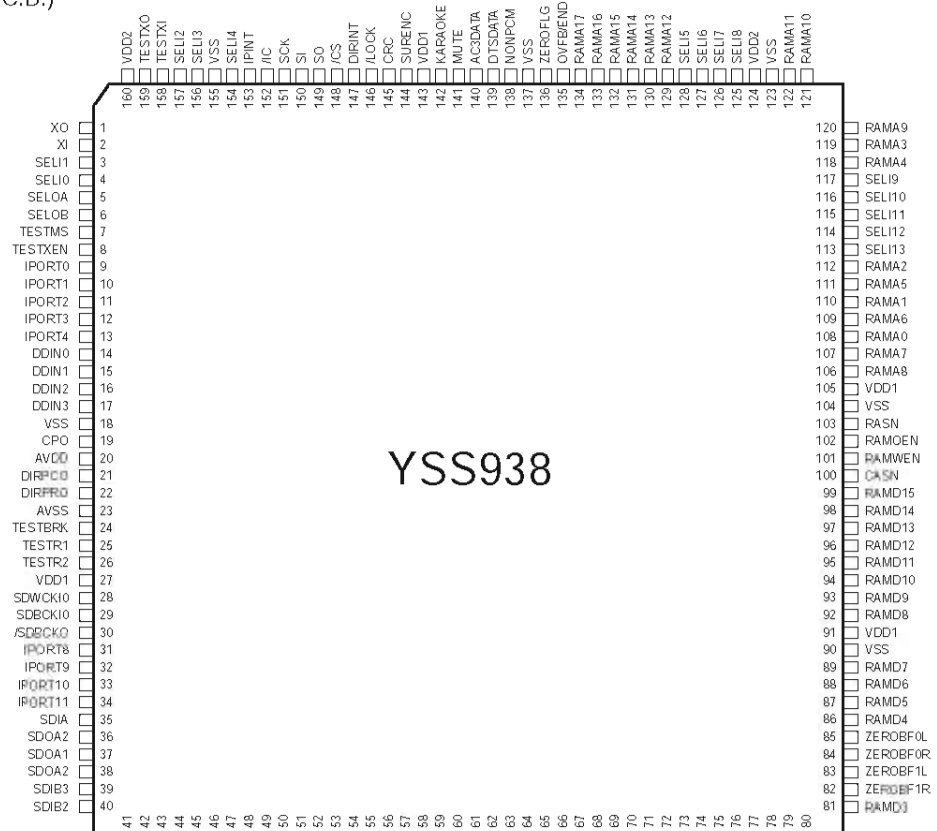
IC600: MN101C35D (OPERATION P.C.B.)  
CPU

| No. | Port No.          | Function name | I/O | Detail of function                  |
|-----|-------------------|---------------|-----|-------------------------------------|
| 1   | P00 (SBO0, TXD)   | SUB_SO        | O   | Data Output to Sub $\mu$ -com       |
| 2   | P01 (SBI0, RXD)   | SUB_SI        | I   | Data Input from Sub $\mu$ -com      |
| 3   | P02 (SBT0)        | /SUB_SCK      | O   | Clock Output to Sub $\mu$ -com      |
| 4   | P03 (SBO1)        | CMD           | O   | Command Output to System $\mu$ -com |
| 5   | P04 (SBI1)        | STAT          | I   | Status Input from System $\mu$ -com |
| 6   | P05 (SBT1)        | DSPCLK        | I   | Clock Input from System $\mu$ -com  |
| 7   | P06 (BUZZER)      | SUB_ENB       | O   | Chip Enable to Sub $\mu$ -com       |
| 8   | VDD               | VDD           |     | +3.3V                               |
| 9   | OSC2              | OSC2          | O   | 8MHz Clock Output                   |
| 10  | OSC1              | OSC1          | I   | 8MHz Clock Input                    |
| 11  | VSS               | VSS           |     | GND                                 |
| 12  | XI                | XI            | I   | GND                                 |
| 13  | XO                | XO            | O   | N.C.                                |
| 14  | MMOD              | MMOD          |     | Mode Select (Low)                   |
| 15  | VREF-             | VREF-         |     | GND                                 |
| 16  | PA0 (AN0)         | PA0           | I   | N.C.                                |
| 17  | PA1 (AN1)         | PA1           | I   | N.C.                                |
| 18  | PA2 (AN2)         | PA2           | I   | N.C.                                |
| 19  | PA3 (AN3)         | PA3           | I   | N.C.                                |
| 20  | PA4 (AN4)         | PA4           | I   | N.C.                                |
| 21  | PA5 (AN5)         | PA5           | I   | Destination Select                  |
| 22  | PA6 (AN6)         | PA6           | I   | Destination Select                  |
| 23  | PA7 (AN7)         | PA7           | I   | Destination Select                  |
| 24  | VREF+             | VREF+         |     | +3.3V                               |
| 25  | P07               | POWER_MUTE    | O   | N.C.                                |
| 26  | P27 (/RST)        | /RST          | I   | Reset Signal Input                  |
| 27  | P10 (TM0IO, RMOU) | FIN           | I   | Tray Drive Output                   |
| 28  | P11 (TM1IO)       | RIN           | I   | Tray Drive Output                   |
| 29  | P12 (TM2IO)       | WIDE1         | O   | WIDE 1 Output                       |
| 30  | P13 (TM3IO)       | WIDE2         | O   | WIDE 2 Output                       |
| 31  | P14 (TM4IO)       | TRAY_MUTE     | O   | Tray Mute Output                    |
| 32  | P15               | P15           | O   | N.C.                                |
| 33  | P20 (IRQ0)        | P20           | I   | N.C.                                |
| 34  | P21 (IRQ1, SENS)  | P21           | I   | N.C.                                |
| 35  | P22 (IRQ2)        | P22           | I   | N.C.                                |
| 36  | P23 (IRQ3)        | P23           | I   | N.C.                                |
| 37  | P24 (IRQ4)        | TRAY-SW-      | I   | Tray Switch (-) Signal              |
| 38  | P25               | TRAY-SW+      | I   | Tray Switch (+) Signal              |
| 39  | P30 (SBO2)        | P30           | O   | N.C.                                |
| 40  | P31 (SBI2)        | NPOFF_L       | O   | N.C.                                |
| 41  | P32 (SBT2)        | SCL           | O   | N.C.                                |
| 42  | P50               | VOFF_LED      | O   | N.C.                                |
| 43  | P51               | P525_LED      | O   | PROGRESSIVE LED (H : active)        |
| 44  | P52               | P52           | O   | N.C.                                |
| 45  | P53               | P53           | O   | N.C.                                |
| 46  | P54               | P54           | O   | N.C.                                |
| 47  | P67 (DGT17)       | TRAY/TRV      | O   | Tray/Traverse Select                |
| 48  | P66 (DGT16)       | D_WIDE1       | O   | N.C.                                |
| 49  | P65 (DGT15)       | D_WIDE2       | O   | N.C.                                |
| 50  | P64 (DGT14)       | NP_MUTE       | O   | (Low)                               |

IC600: MN101C35D (OPERATION P.C.B.)  
CPU

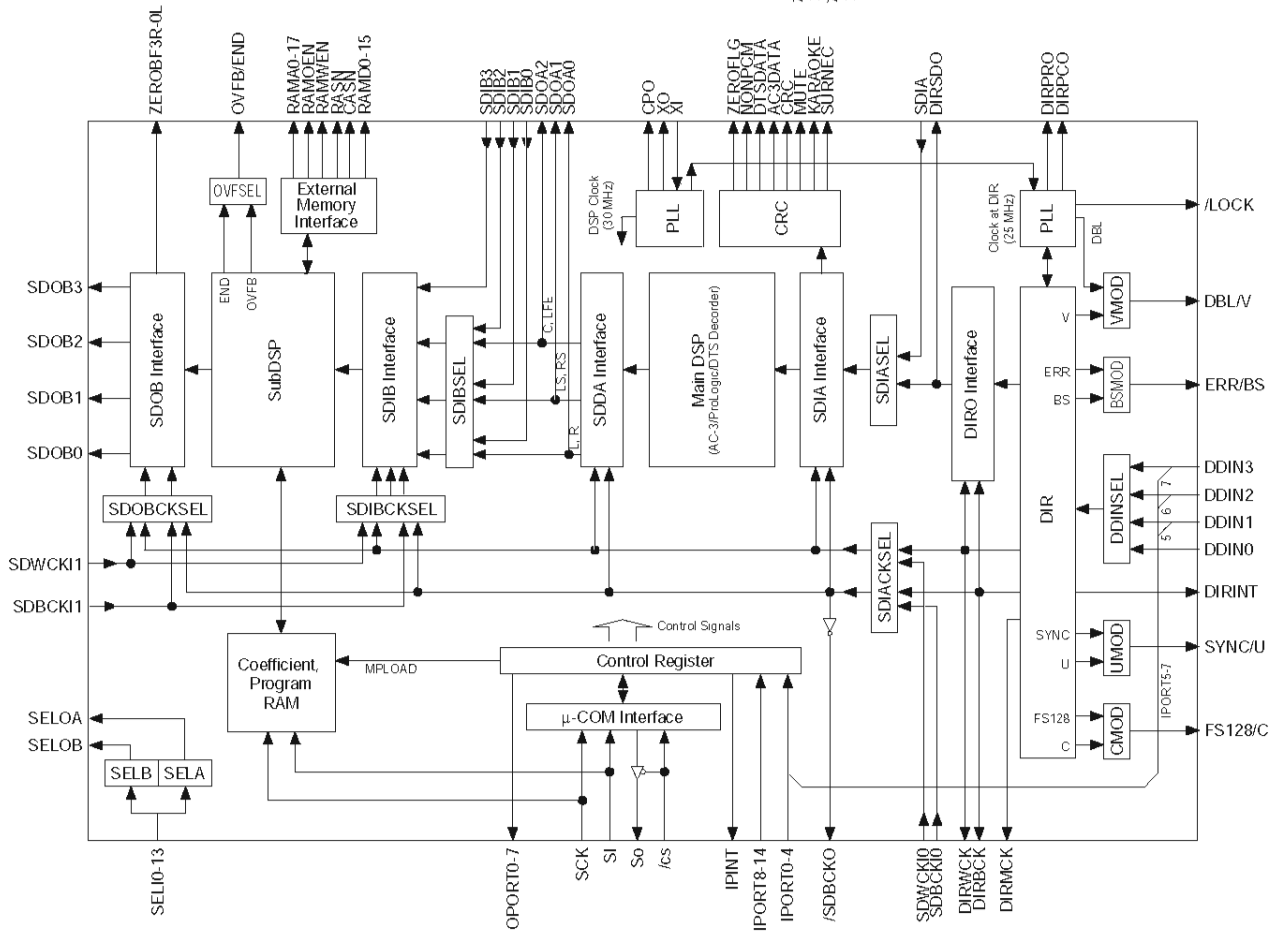
| No. | Port No.        | Function name | I/O | Detail of function       |
|-----|-----------------|---------------|-----|--------------------------|
| 51  | P63 (DGT13)     | DGT13         | O   | FL Digit signal output   |
| 52  | P62 (DGT12)     | DGT12         | O   | FL Digit signal output   |
| 53  | P61 (DGT11)     | DGT11         | O   | FL Digit signal output   |
| 54  | P60 (DGT10)     | DGT10         | O   | FL Digit signal output   |
| 55  | P41 (DGT9)      | DGT9          | O   | FL Digit signal output   |
| 56  | P40 (DGT8)      | DGT8          | O   | FL Digit signal output   |
| 57  | P77 (DGT7/SEG0) | DGT7          | O   | FL Digit signal output   |
| 58  | P76 (DGT6/SEG1) | DGT6          | O   | FL Digit signal output   |
| 59  | P75 (DGT5/SEG2) | DGT5          | O   | FL Digit signal output   |
| 60  | P74 (DGT4/SEG3) | DGT4          | O   | FL Digit signal output   |
| 61  | P73 (DGT3/SEG4) | DGT3          | O   | FL Digit signal output   |
| 62  | P72 (DGT2/SEG5) | DGT2          | O   | FL Digit signal output   |
| 63  | P71 (DGT1/SEG6) | DGT1          | O   | FL Digit signal output   |
| 64  | P70 (DGT0/SEG7) | SEG7          | O   | FL Segment signal output |
| 65  | P87 (SEG8)      | SEG8          | O   | FL Segment signal output |
| 66  | P86 (SEG9)      | SEG9          | O   | FL Segment signal output |
| 67  | P85 (SEG10)     | SEG10         | O   | FL Segment signal output |
| 68  | P84 (SEG11)     | SEG11         | O   | FL Segment signal output |
| 69  | P83 (SEG12)     | SEG12         | O   | FL Segment signal output |
| 70  | P82 (SEG13)     | SEG13         | O   | FL Segment signal output |
| 71  | P81 (SEG14)     | SEG14         | O   | FL Segment signal output |
| 72  | P80 (SEG15)     | SEG15         | O   | FL Segment signal output |
| 73  | P97 (SEG16)     | SEG16         | O   | FL Segment signal output |
| 74  | P96 (SEG17)     | SEG17         | O   | FL Segment signal output |
| 75  | P95 (SEG18)     | SEG18         | O   | FL Segment signal output |
| 76  | P94 (SEG19)     | SEG19         | O   | FL Segment signal output |
| 77  | P93 (SEG20)     | SEG20         | O   | FL Segment signal output |
| 78  | P92 (SEG21)     | SEG21         | O   | FL Segment signal output |
| 79  | P91 (SEG22)     | SEG22         | O   | FL Segment signal output |
| 80  | P90 (SEG23)     | SEG23         | O   | FL Segment signal output |
| 81  | PC2 (SEG24)     | SEG24         | O   | FL Segment signal output |
| 82  | PC1 (SEG25)     | SEG25         | O   | FL Segment signal output |
| 83  | PC0 (SEG26)     | SEG26         | O   | FL Segment signal output |
| 84  | PB7 (SEG27)     | SEG27         | O   | FL Segment signal output |
| 85  | PB6 (SEG28)     | SEG28         | O   | FL Segment signal output |
| 86  | PB5 (SEG29)     | SEG29         | O   | FL Segment signal output |
| 87  | PB4 (SEG30)     | SEG30         | O   | FL Segment signal output |
| 88  | PB3 (SEG31)     | SEG31         | O   | FL Segment signal output |
| 89  | PB2 (SEG32)     | SEG32         | O   | FL Segment signal output |
| 90  | PB1 (SEG33)     | SEG33         | O   | FL Segment signal output |
| 91  | PB0 (SEG34)     | SEG34         | O   | FL Segment signal output |
| 92  | PD7 (SEG35)     | SEG35         | O   | FL Segment signal output |
| 93  | PD6 (SEG36)     | SEG36         | O   | FL Segment signal output |
| 94  | PD5 (SEG37)     | SEG37         | O   | FL Segment signal output |
| 95  | PD4 (SEG38)     | SEG38         | O   | FL Segment signal output |
| 96  | PD3 (SEG39)     | SEG39         | O   | FL Segment signal output |
| 97  | PD2 (SEG40)     | SEG40         | O   | FL Segment signal output |
| 98  | PD1 (SEG41)     | SEG41         | O   | FL Segment signal output |
| 99  | PD0 (SEG42)     | SEG42         | O   | FL Segment signal output |
| 100 | VPP             | VPP           |     | -30V                     |

IC600 : YSS938 (DSP P.C.B.)  
DSP



YSS938

DVR-S100/NX-SW100



IC600 : YSS938 (DSP P.C.B.)  
DSP

| No. | Name    | I/O | Function                                                                                      |
|-----|---------|-----|-----------------------------------------------------------------------------------------------|
| 1   | XO      | O   | Crystal oscillator connecting terminal                                                        |
| 2   | XI      | I   | Crystal oscillator connecting terminal (24.576MHz )                                           |
| 3   | SELI1   | I+  | Built-in selector input 1 (AXD)                                                               |
| 4   | SELI0   | I+  | Built-in selector input 0 (GND)                                                               |
| 5   | SELOA   | O+  | Built-in selector output A (ISEL)                                                             |
| 6   | SELOB   | O+  | Built-in selector output B (RSEL)                                                             |
| 7   | TESTMS  | I+  | Test terminal (unconnected)                                                                   |
| 8   | TESTXEN | I+  | Test terminal (unconnected)                                                                   |
| 9   | IPORT0  | I+  | General purpose input terminal (CXDTA)                                                        |
| 10  | IPORT1  | I+  | General purpose input terminal (CXDTB)                                                        |
| 11  | IPORT2  | I+  | General purpose input terminal                                                                |
| 12  | IPORT3  | I+  | General purpose input terminal                                                                |
| 13  | IPORT4  | I+  | General purpose input terminal                                                                |
| 14  | DDIN0   | Is  | DIR: Digital audio interface data input terminal 0 (ISEL)                                     |
| 15  | DDIN1   | Is  | DIR: Digital audio interface data input terminal 1/General purpose input terminal (Pull down) |
| 16  | DDIN2   | Is  | DIR: Digital audio interface data input terminal 2/General purpose input terminal (Pull down) |
| 17  | DDIN3   | Is  | DIR: Digital audio interface data input terminal 3/General purpose input terminal (Pull down) |
| 18  | VSS     |     | Ground terminal                                                                               |
| 19  | CPO     | A   | PLL filter connecting terminal                                                                |
| 20  | AVDD    |     | +3.3V power terminal (for DIR)                                                                |
| 21  | DIRPCO  | A   | DIR: PLL filter connecting terminal                                                           |
| 22  | DIRPRO  | A   | DIR: PLL filter connecting terminal                                                           |
| 23  | AVSS    |     | Ground terminal (for DIR)                                                                     |
| 24  | TESTBRK | I+  | Test terminal (unconnected)                                                                   |
| 25  | TESTR1  | I+  | PLL initialization signal input terminal for DSP (/ICD)                                       |
| 26  | TESTR2  | I+  | Test terminal (unconnected)                                                                   |
| 27  | VDD1    |     | +3.3V power terminal (for terminal section)                                                   |
| 28  | SDWCKI0 | I+  | Word clock input terminal for SDIA, SDOA, SDIB, SDOB interface (Unconnected)                  |
| 29  | SDBCKI0 | I+  | Bit clock input terminal for SDIA, SDOA, SDIB, SDOB interface (Unconnected)                   |
| 30  | /SDBCK0 | O   | DIRBCK or SDBCKI0 invert clock output terminal (Unconnected)                                  |
| 31  | IPORT8  | I+  | IPINT general purpose input terminal                                                          |
| 32  | IPORT9  | I+  | IPINT general purpose input terminal                                                          |
| 33  | IPORT10 | I+  | IPINT general purpose input terminal (NONPCM)                                                 |
| 34  | IPORT11 | I+  | IPINT general purpose input terminal (NONPCM)                                                 |
| 35  | SDIA    | I   | AC-3/DTS bit stream (or PCM) data input terminal to Main DSP (SDIA)                           |
| 36  | SDOA2   | O   | PCM output terminal from Main DSP (C/LFE output) (Unconnected)                                |
| 37  | SDOA1   | O   | PCM output terminal from Main DSP (LS/RS output) (Unconnected)                                |
| 38  | SDOA0   | O   | PCM output terminal from Main DSP (L/R output)                                                |
| 39  | SDIB3   | I+  | PCM input terminal 3 to Sub DSP                                                               |
| 40  | SDIB2   | I+  | PCM input terminal 2 to Sub DSP                                                               |
| 41  | SDIB1   | I+  | PCM input terminal 1 to Sub DSP                                                               |
| 42  | SDIB0   | I+  | PCM input terminal 0 to Sub DSP                                                               |
| 43  | VSS     |     | Ground terminal                                                                               |
| 44  | VDD2    |     | +2.5V power terminal (for internal circuit)                                                   |
| 45  | IPORT12 | I+  | IPINT general purpose input terminal (MUTE)                                                   |
| 46  | IPORT13 | I+  | IPINT general purpose input terminal (DIRINT)                                                 |
| 47  | IPORT14 | I+  | IPINT general purpose input terminal (Unconnected)                                            |
| 48  | DIRSDO  | O   | AC-3/DTS bit stream (or PCM) data output terminal from DIR                                    |
| 49  | DIRWCK  | O   | DIR: Serial data word clock (fs) output terminal (WCK)                                        |
| 50  | DIRBCK  | O   | DIR: Serial data bit clock (64fs) output terminal (BCK)                                       |
| 51  | DIRMCK  | O   | DIR: Serial data master clock (256fs or 128fs) output terminal (MCK)                          |
| 52  | ERR/BS  | O   | DIR: Data error detect output/block start output terminal (Unconnected)                       |
| 53  | SYNC/U  | O   | DIR: Serial data synchronous timing output/user data output terminal (Unconnected)            |
| 54  | FS128/C | O   | DIR: Serial data master clock 128fs output/channel status output terminal (Unconnected)       |
| 55  | DBL/V   | O   | DIR: Double rate clock output/validity flag output terminal (DBL)                             |

IC600 : YSS938 (DSP P.C.B.)

DSP

| No. | Name     | I/O  | Function                                                         |
|-----|----------|------|------------------------------------------------------------------|
| 56  | SDWCKI1  | I+   | Word clock input terminal for SDIB, SDOB interface (Unconnected) |
| 57  | SDBCKI1  | I+   | Bit clock input terminal for SDIB, SDOB interface (Unconnected)  |
| 58  | VSS      |      | Ground terminal                                                  |
| 59  | SDOB3    | O    | PCM output terminal from Sub DSP                                 |
| 60  | SDOB2    | O    | PCM output terminal from Sub DSP                                 |
| 61  | SDOB1    | O    | PCM output terminal from Sub DSP                                 |
| 62  | SDOB0    | O    | PCM output terminal from Sub DSP                                 |
| 63  | VDD1     |      | +3.3V power terminal (for terminal section)                      |
| 64  | ZEROBF3R | O+   | SDOB3 Rch zero flag output terminal (ZF3R)                       |
| 65  | ZEROBF3L | O+   | SDOB3 Lch zero flag output terminal (ZF3L)                       |
| 66  | ZEROBF2R | O+   | SDOB2 Rch zero flag output terminal (ZF2R)                       |
| 67  | ZEROBF2L | O+   | SDOB2 Lch zero flag output terminal (ZF2L)                       |
| 68  | OPORT0   | O    | General purpose output terminal (/RINH1)                         |
| 69  | OPORT1   | O    | General purpose output terminal (/RINH2)                         |
| 70  | OPORT2   | O    | General purpose output terminal (/ICDC)                          |
| 71  | OPORT3   | O    | General purpose output terminal (DFS)                            |
| 72  | OPORT4   | O    | General purpose output terminal (ZSEL0)                          |
| 73  | OPORT5   | O    | General purpose output terminal (ZSEL1)                          |
| 74  | OPORT6   | O    | General purpose output terminal (/ICCS)                          |
| 75  | OPORT7   | O    | General purpose output terminal                                  |
| 76  | VSS      |      | Ground terminal                                                  |
| 77  | VDD2     |      | +2.5V power terminal (for internal circuit)                      |
| 78  | RAMD0    | I+/O | Sub DSP: External memory data terminal 0                         |
| 79  | RAMD1    | I+/O | Sub DSP: External memory data terminal 1                         |
| 80  | RAMD2    | I+/O | Sub DSP: External memory data terminal 2                         |
| 81  | RAMD3    | I+/O | Sub DSP: External memory data terminal 3                         |
| 82  | ZEROBF1R | O+   | SDOB1 Rch zero flag output terminal (ZF1R)                       |
| 83  | ZEROBF1L | O+   | SDOB1 Lch zero flag output terminal (ZF1L)                       |
| 84  | ZEROBF0R | O+   | SDOB0 Rch zero flag output terminal (ZF0R)                       |
| 85  | ZEROBF0L | O+   | SDOB0 Lch zero flag output terminal (ZF0L)                       |
| 86  | RAMD4    | I+/O | Sub DSP: External memory data terminal 4                         |
| 87  | RAMD5    | I+/O | Sub DSP: External memory data terminal 5                         |
| 88  | RAMD6    | I+/O | Sub DSP: External memory data terminal 6                         |
| 89  | RAMD7    | I+/O | Sub DSP: External memory data terminal 7                         |
| 90  | VSS      |      | Ground terminal                                                  |
| 91  | VDD1     |      | +3.3V power terminal (for terminal section)                      |
| 92  | RAMD8    | I+/O | Sub DSP: External memory data terminal 8                         |
| 93  | RAMD9    | I+/O | Sub DSP: External memory data terminal 9                         |
| 94  | RAMD10   | I+/O | Sub DSP: External memory data terminal 10                        |
| 95  | RAMD11   | I+/O | Sub DSP: External memory data terminal 11                        |
| 96  | RAMD12   | I+/O | Sub DSP: External memory data terminal 12                        |
| 97  | RAMD13   | I+/O | Sub DSP: External memory data terminal 13                        |
| 98  | RAMD14   | I+/O | Sub DSP: External memory data terminal 14                        |
| 99  | RAMD15   | I+/O | Sub DSP: External memory data terminal 15                        |
| 100 | CASN     | O    | Sub DSP: Column address strobe output terminal for external DRAM |
| 101 | RAMWEN   | O    | Sub DSP: Write enable terminal for external memory               |
| 102 | RAMOEN   | O    | Sub DSP: Output enable terminal for external memory              |
| 103 | RASN     | O    | Sub DSP: Low address strobe output terminal for external DRAM    |
| 104 | VSS      |      | Ground terminal                                                  |
| 105 | VDD1     |      | +3.3V power terminal (for terminal section)                      |
| 106 | RAMA8    | O    | Sub DSP: External memory address terminal 8                      |
| 107 | RAMA7    | O    | Sub DSP: External memory address terminal 7                      |
| 108 | RAMA0    | O    | Sub DSP: External memory address terminal 0                      |
| 109 | RAMA6    | O    | Sub DSP: External memory address terminal 6                      |
| 110 | RAMA1    | O    | Sub DSP: External memory address terminal 1                      |



IC600 : YSS938 (DSP P.C.B.)

DSP

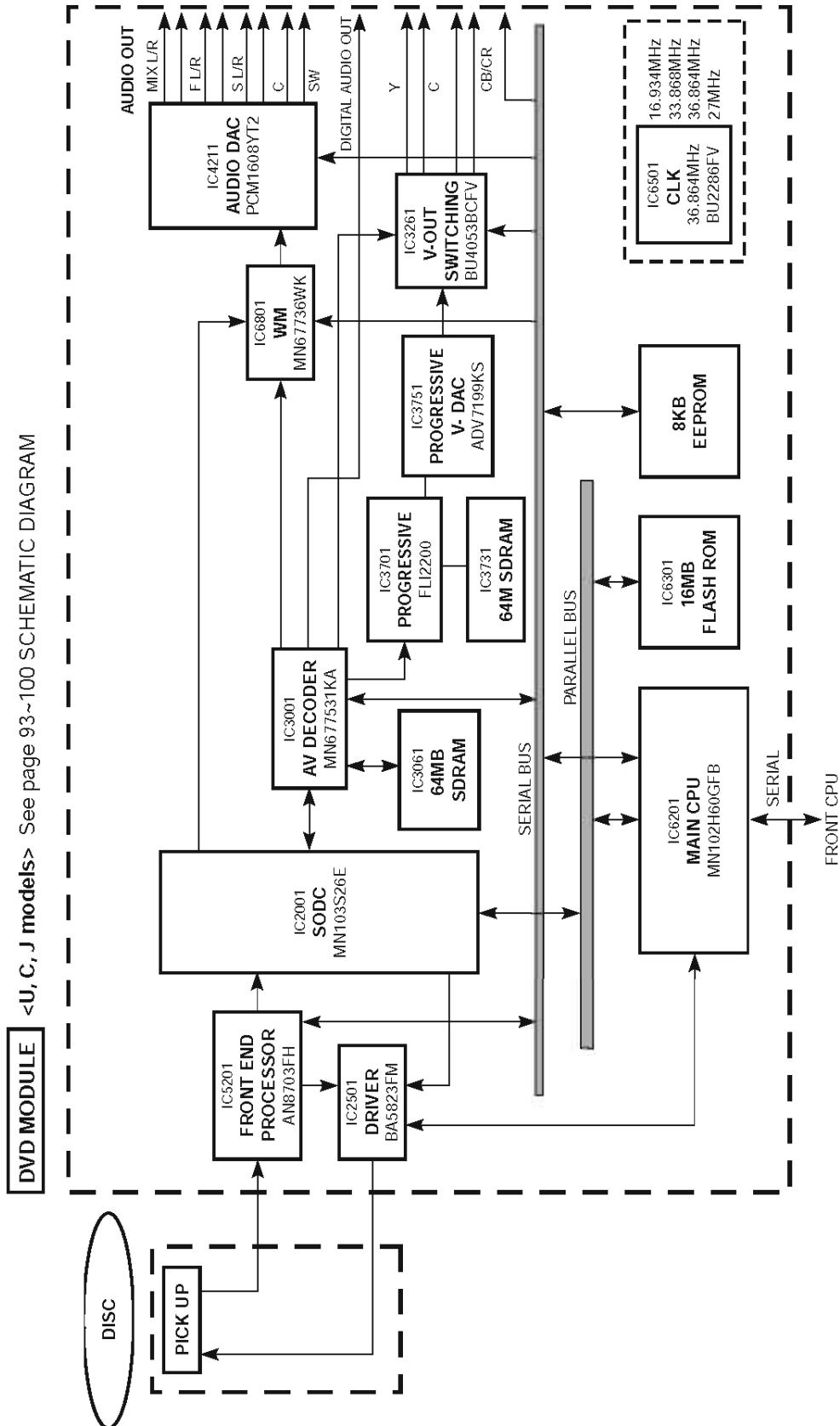
| No. | Name     | I/O   | Function                                                                          |
|-----|----------|-------|-----------------------------------------------------------------------------------|
| 111 | RAMA5    | O     | Sub DSP: External memory address terminal 5                                       |
| 112 | RAMA2    | O     | Sub DSP: External memory address terminal 2                                       |
| 113 | SELI13   | I+    | Built-in selector input 13 (Unconnected)                                          |
| 114 | SELI12   | I+    | Built-in selector input 12                                                        |
| 115 | SELI11   | I+    | Built-in selector input 11 (Unconnected)                                          |
| 116 | SELI10   | I+    | Built-in selector input 10 (Unconnected)                                          |
| 117 | SELI9    | I+    | Built-in selector input 9                                                         |
| 118 | RAMA4    | O     | Sub DSP: External memory address terminal 4                                       |
| 119 | RAMA3    | O     | Sub DSP: External memory address terminal 3                                       |
| 120 | RAMA9    | O     | Sub DSP: External memory address terminal 9 (Unconnected)                         |
| 121 | RAMA10   | O     | Sub DSP: External memory address terminal 10 (Unconnected)                        |
| 122 | RAMA11   | O     | Sub DSP: External memory address terminal 11 (Unconnected)                        |
| 123 | VSS      |       | Ground terminal                                                                   |
| 124 | VDD2     |       | +2.5V power terminal (for internal circuit)                                       |
| 125 | SELI8    | I+    | Built-in selector input 8 (CXA)                                                   |
| 126 | SELI7    | I+    | Built-in selector input 7 (GND)                                                   |
| 127 | SELI6    | I+    | Built-in selector input 6 (OPTF)                                                  |
| 128 | SELI5    | I+    | Built-in selector input 5 (Unconnected)                                           |
| 129 | RAMA12   | O     | Sub DSP: External memory address terminal 12 (Unconnected)                        |
| 130 | RAMA13   | O     | Sub DSP: External memory address terminal 13 (Unconnected)                        |
| 131 | RAMA14   | O     | Sub DSP: External memory address terminal 14 (Unconnected)                        |
| 132 | RAMA15   | O     | Sub DSP: External memory address terminal 15 (Unconnected)                        |
| 133 | RAMA16   | O     | Sub DSP: External memory address terminal 16 (Unconnected)                        |
| 134 | RAMA17   | O     | Sub DSP: External memory address terminal 17 (Unconnected)                        |
| 135 | OVFB/END | O     | Sub DSP: Overflow/program end detect terminal (Unconnected)                       |
| 136 | ZEROF LG | O     | Main DSP: Zero flag output terminal (Unconnected)                                 |
| 137 | VSS      |       | Ground terminal                                                                   |
| 138 | NONPCM   | O     | Main DSP: Non-PCM data detect terminal                                            |
| 139 | DTSDATA  | O     | Main DSP: DTS data detect terminal (Unconnected)                                  |
| 140 | AC3DATA  | O     | Main DSP: AC3 data detect terminal (Unconnected)                                  |
| 141 | MUTE     | O     | Main DSP: Auto mute detect terminal                                               |
| 142 | KARAOKE  | O     | Main DSP: AC3 KARAOKE data detect terminal (Unconnected)                          |
| 143 | VDD1     | +3.3V | power terminal (for terminal section)                                             |
| 144 | SURENC   | O     | Main DSP: AC-3 2/0 mode Dolby surround encode input detect terminal (Unconnected) |
| 145 | CRC      | O     | Main DSP: AC3 CRC error detect terminal (Unconnected)                             |
| 146 | /LOCK    | O     | DIR: PLL lock detect terminal (Unconnected)                                       |
| 147 | DIRINT   | O     | DIR: Interrupt output terminal                                                    |
| 148 | /CS      | Is    | Microprocessor interface chip select input terminal (CSY)                         |
| 149 | SO       | Ot    | Microprocessor interface data output terminal                                     |
| 150 | SI       | Is    | Microprocessor interface data input terminal (SDM)                                |
| 151 | SCK      | Is    | Microprocessor interface clock input terminal (SCKY)                              |
| 152 | /IC      | Is    | Initial clear input terminal (/ICD)                                               |
| 153 | IPINT    | O+    | Interrupt output terminal by IPORT 8-14                                           |
| 154 | SELI4    | I+    | Built-in selector input 4 (OPTD)                                                  |
| 155 | VSS      |       | Ground terminal                                                                   |
| 156 | SELI3    | I+    | Built-in selector input 3 (OPTC)                                                  |
| 157 | SELI2    | I+    | Built-in selector input 2 (OPTB)                                                  |
| 158 | TESTXI   | I     | Test terminal (should be always connected to VSS)                                 |
| 159 | TESTXO   | O     | Test terminal (Unconnected)                                                       |
| 160 | VDD2     | +2.5V | power terminal (for internal circuit)                                             |

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

■ BLOCK DIAGRAM

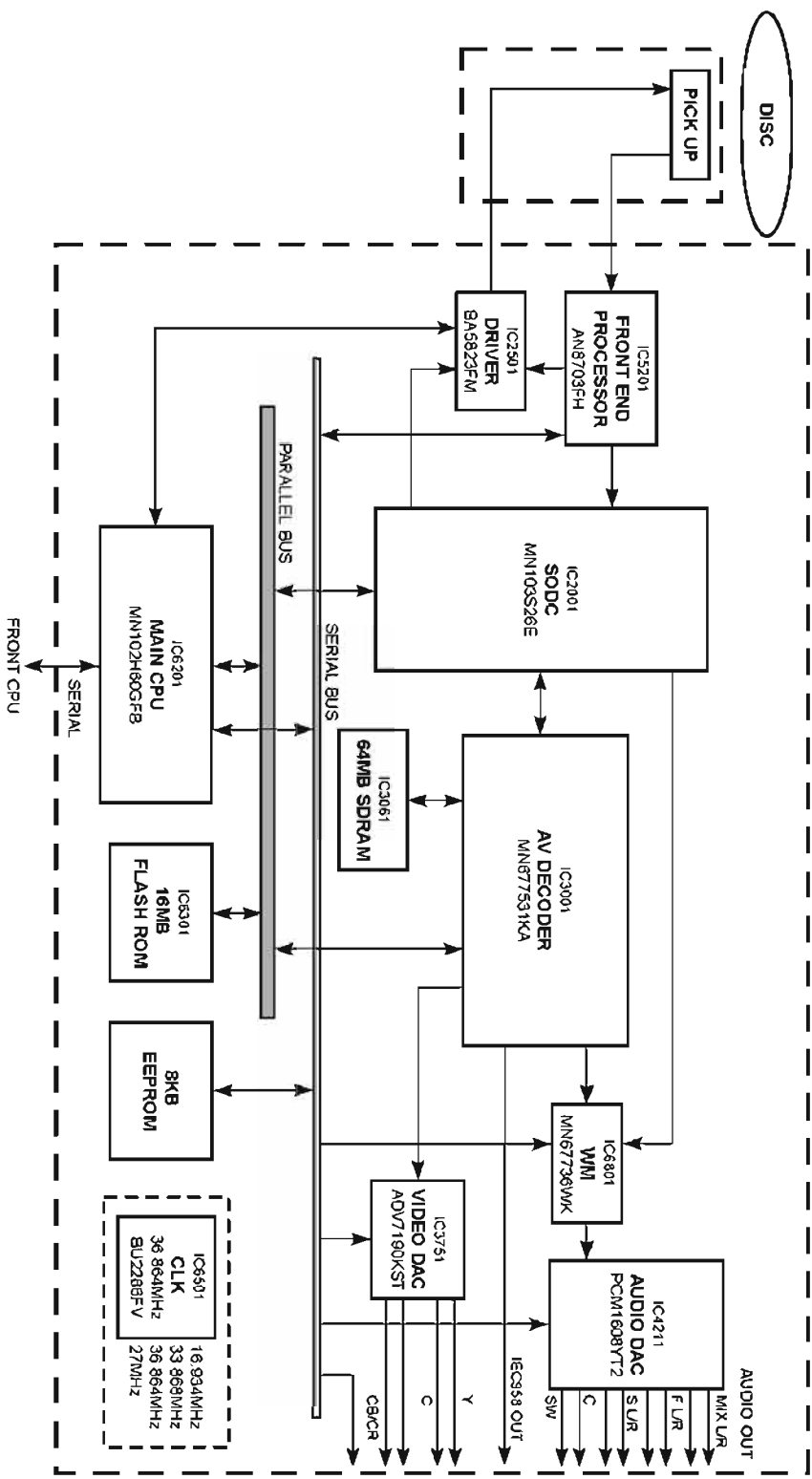
▼DVR-S100 (1/5)

DVD Module (U, C, J models)



1 ■ BLOCK DIAGRAM  
 ▼DVR-S100 (2/5)  
 DVD Module (A, B, G, R models)

DVD MODULE <A, B, G, R models> See page 93-100 SCHEMATIC DIAGRAM



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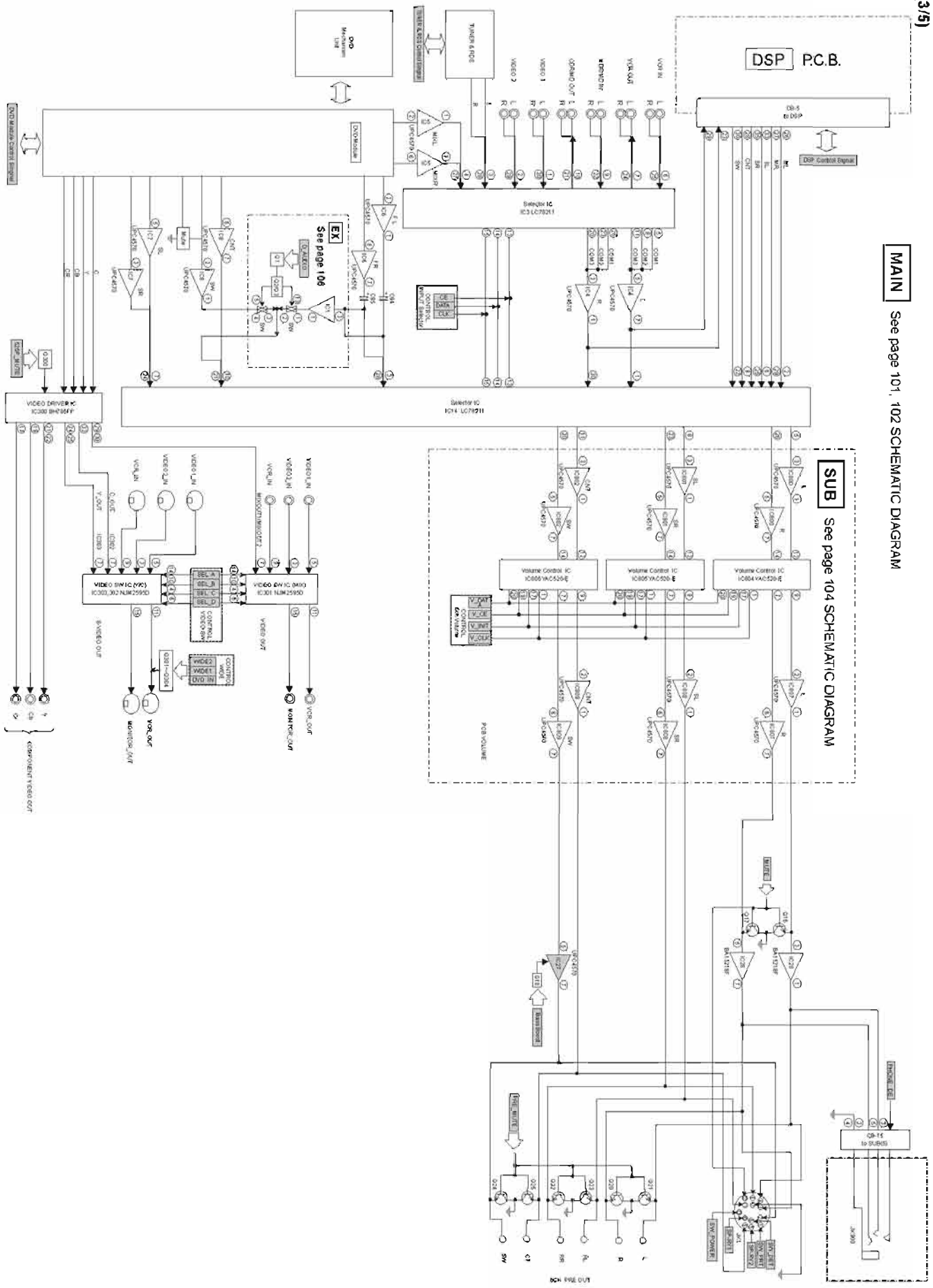
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1

■ BLOCK DIAGRAM  
▼DVR-S100 (3/5)

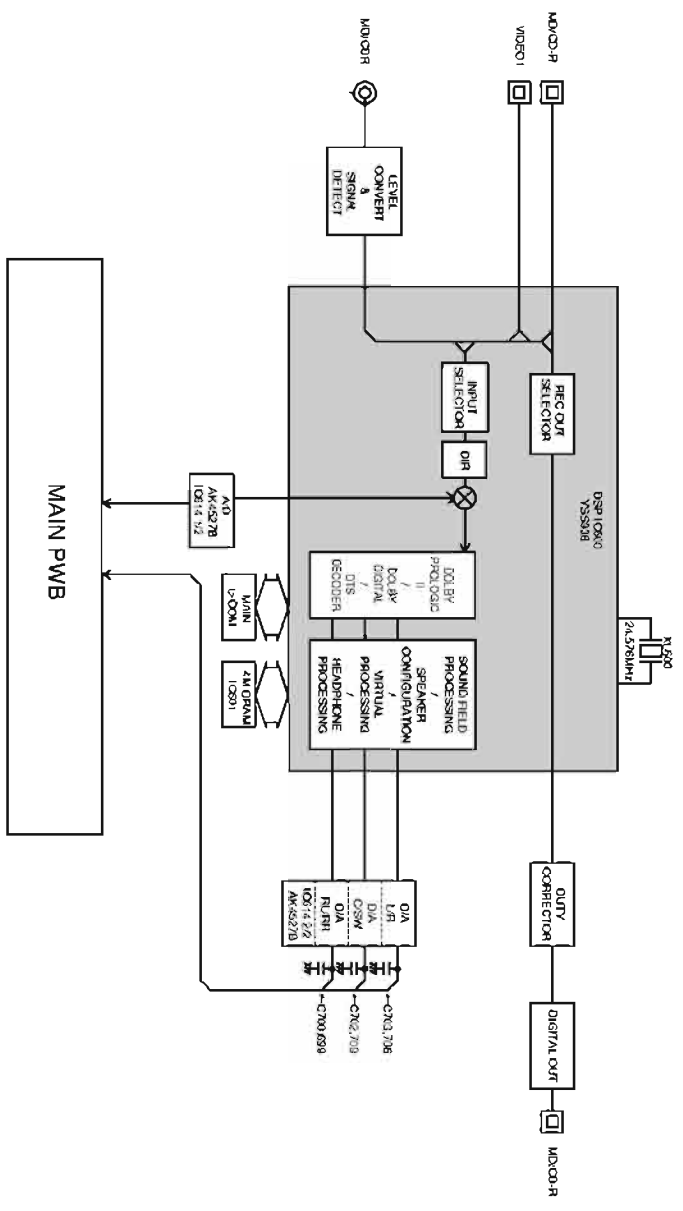
MAIN See page 101, 102 SCHEMATIC DIAGRAM

SUB See page 104 SCHEMATIC DIAGRAM



**■ BLOCK DIAGRAM**  
**▼DVR-S100 (4/5)**

**DSP** See page 103 SCHEMATIC DIAGRAM



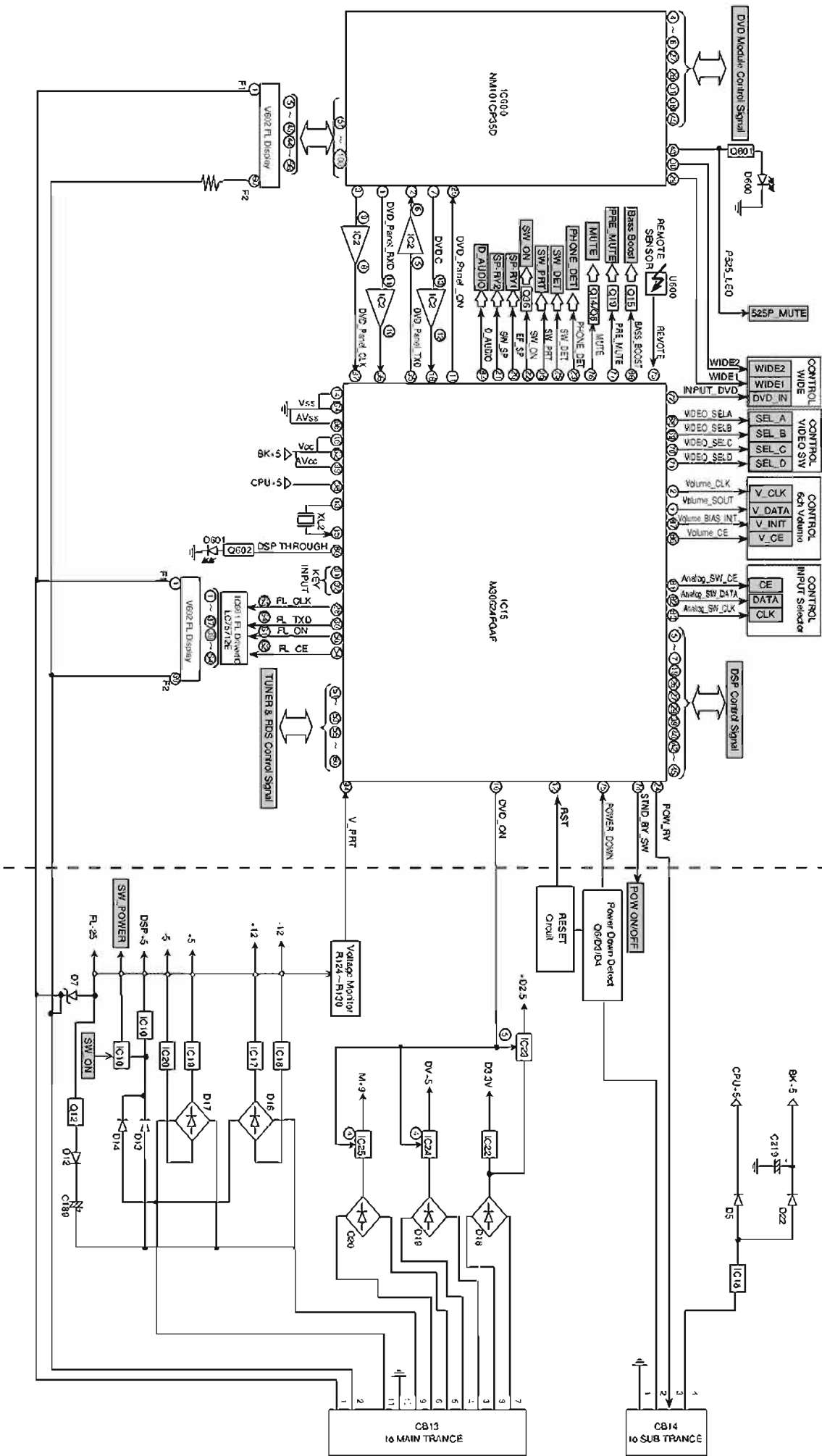
1  
2  
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A B C D E F G H I J

■ BLOCK DIAGRAM  
▼DVR-S100 (6/6)

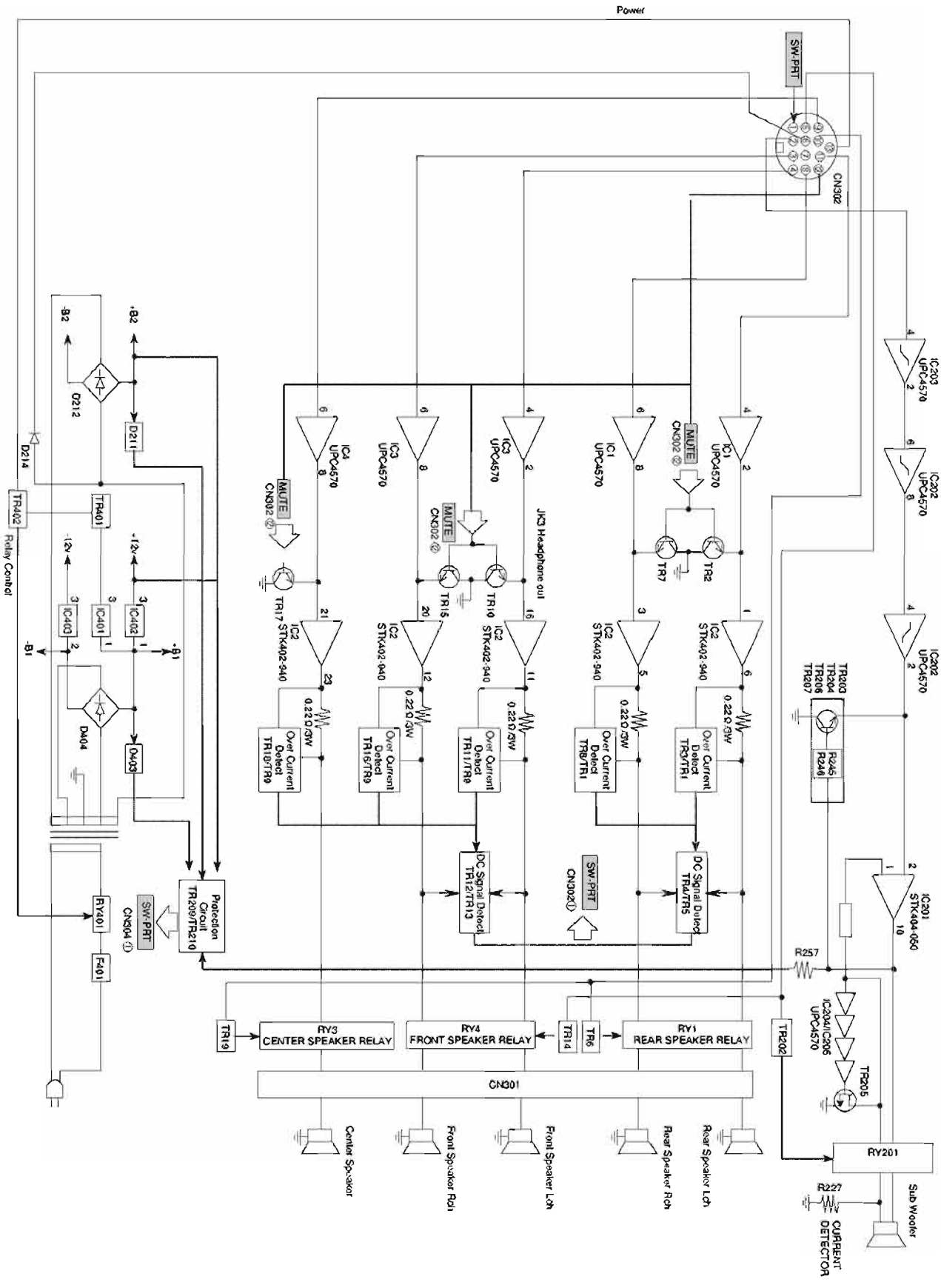
OPERATION See page 105 SCHEMATIC DIAGRAM

MAIN See page 101 SCHEMATIC DIAGRAM



■ BLOCK DIAGRAM  
▼SW-S100

See page 108~110 SCHEMATIC DIAGRAM



1  
2  
3  
4  
5  
6  
7

A B C D E F G H I J

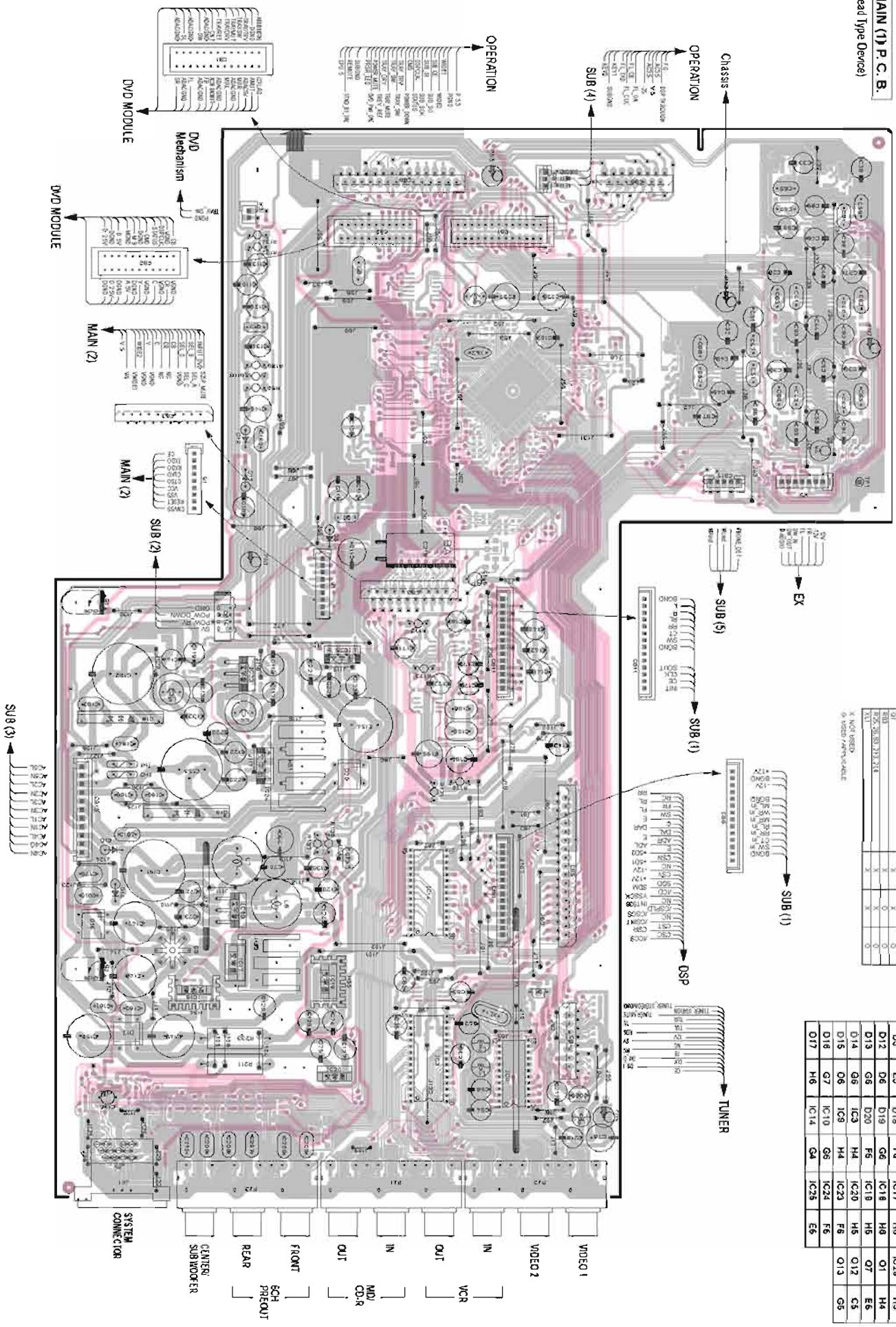






■ DVR-S1000 PRINTED CIRCUIT BOARD (Foil side)

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



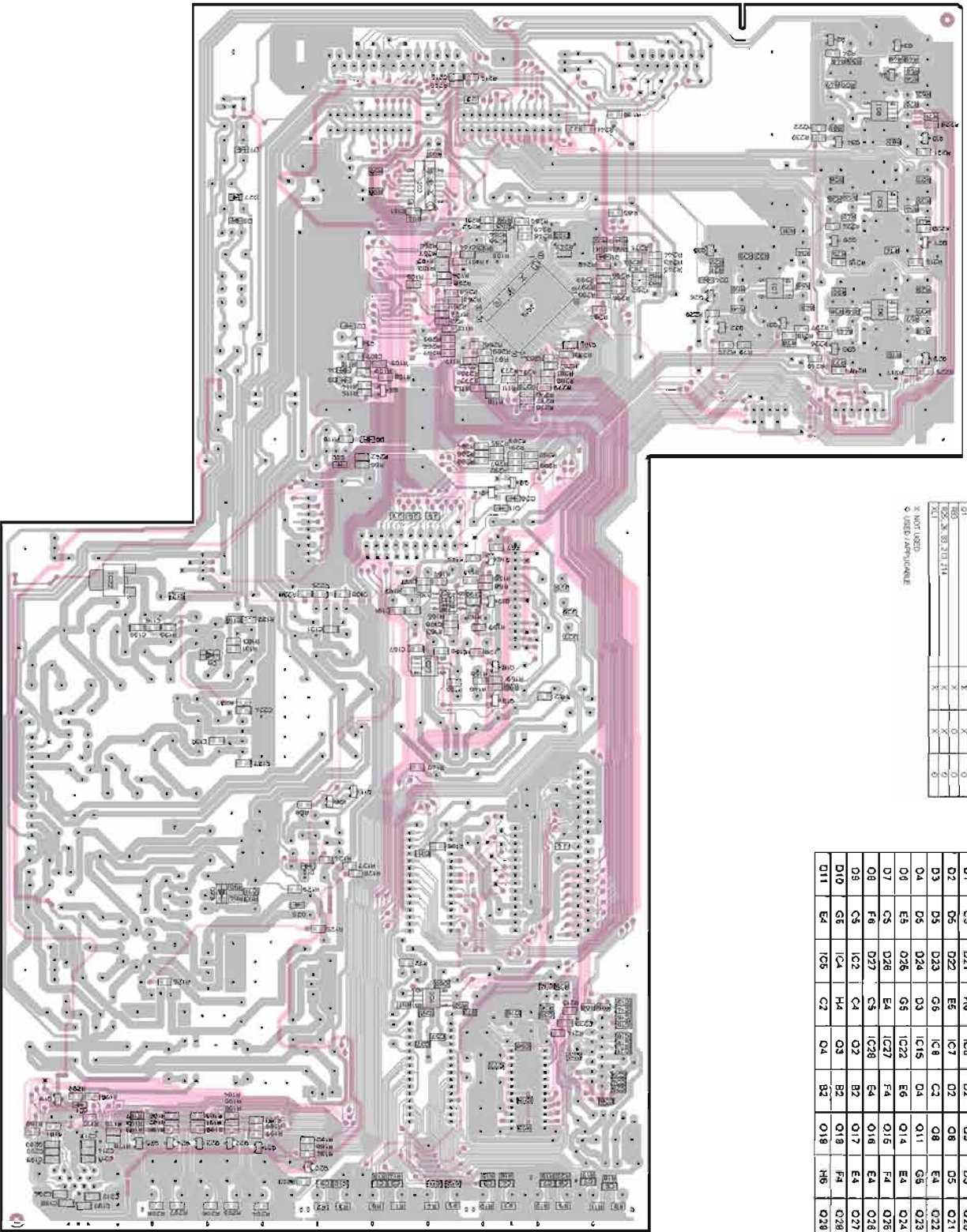
| Foot No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------|---|---|---|---|---|---|---|---|---|----|
| 1        | X | X | X | X | X | X | X | X | X | X  |
| 2        | X | X | X | X | X | X | X | X | X | X  |
| 3        | X | X | X | X | X | X | X | X | X | X  |
| 4        | X | X | X | X | X | X | X | X | X | X  |
| 5        | X | X | X | X | X | X | X | X | X | X  |
| 6        | X | X | X | X | X | X | X | X | X | X  |
| 7        | X | X | X | X | X | X | X | X | X | X  |
| 8        | X | X | X | X | X | X | X | X | X | X  |
| 9        | X | X | X | X | X | X | X | X | X | X  |
| 10       | X | X | X | X | X | X | X | X | X | X  |

• Semiconductor Location

| Part No. | Location | Part No. | Location | Part No. | Location |
|----------|----------|----------|----------|----------|----------|
| D6       | E5       | D18      | F8       | IC17     | H8       |
| D12      | D6       | D19      | G6       | IC18     | H8       |
| D13      | G6       | D20      | F6       | IC18     | H8       |
| D14      | G6       | IC3      | H4       | IC20     | F8       |
| D15      | O6       | IC8      | H4       | IC23     | F8       |
| D16      | G7       | IC10     | G6       | IC24     | F8       |
| D17      | H6       | IC14     | G4       | IC28     | E8       |

1 **DVR-S100 PRINTED CIRCUIT BOARD (Foil side)**

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



| Component | J | U | C | R | A | B | G |
|-----------|---|---|---|---|---|---|---|
| 100       | X | X | X | X | X | X | X |
| 101       | X | X | X | X | X | X | X |
| 102       | X | X | X | X | X | X | X |
| 103       | X | X | X | X | X | X | X |
| 104       | X | X | X | X | X | X | X |
| 105       | X | X | X | X | X | X | X |
| 106       | X | X | X | X | X | X | X |
| 107       | X | X | X | X | X | X | X |
| 108       | X | X | X | X | X | X | X |
| 109       | X | X | X | X | X | X | X |
| 110       | X | X | X | X | X | X | X |
| 111       | X | X | X | X | X | X | X |
| 112       | X | X | X | X | X | X | X |
| 113       | X | X | X | X | X | X | X |
| 114       | X | X | X | X | X | X | X |
| 115       | X | X | X | X | X | X | X |
| 116       | X | X | X | X | X | X | X |
| 117       | X | X | X | X | X | X | X |
| 118       | X | X | X | X | X | X | X |
| 119       | X | X | X | X | X | X | X |
| 120       | X | X | X | X | X | X | X |
| 121       | X | X | X | X | X | X | X |
| 122       | X | X | X | X | X | X | X |
| 123       | X | X | X | X | X | X | X |
| 124       | X | X | X | X | X | X | X |
| 125       | X | X | X | X | X | X | X |
| 126       | X | X | X | X | X | X | X |
| 127       | X | X | X | X | X | X | X |
| 128       | X | X | X | X | X | X | X |
| 129       | X | X | X | X | X | X | X |
| 130       | X | X | X | X | X | X | X |
| 131       | X | X | X | X | X | X | X |
| 132       | X | X | X | X | X | X | X |
| 133       | X | X | X | X | X | X | X |
| 134       | X | X | X | X | X | X | X |
| 135       | X | X | X | X | X | X | X |
| 136       | X | X | X | X | X | X | X |
| 137       | X | X | X | X | X | X | X |
| 138       | X | X | X | X | X | X | X |
| 139       | X | X | X | X | X | X | X |
| 140       | X | X | X | X | X | X | X |
| 141       | X | X | X | X | X | X | X |
| 142       | X | X | X | X | X | X | X |
| 143       | X | X | X | X | X | X | X |
| 144       | X | X | X | X | X | X | X |
| 145       | X | X | X | X | X | X | X |
| 146       | X | X | X | X | X | X | X |
| 147       | X | X | X | X | X | X | X |
| 148       | X | X | X | X | X | X | X |
| 149       | X | X | X | X | X | X | X |
| 150       | X | X | X | X | X | X | X |
| 151       | X | X | X | X | X | X | X |
| 152       | X | X | X | X | X | X | X |
| 153       | X | X | X | X | X | X | X |
| 154       | X | X | X | X | X | X | X |
| 155       | X | X | X | X | X | X | X |
| 156       | X | X | X | X | X | X | X |
| 157       | X | X | X | X | X | X | X |
| 158       | X | X | X | X | X | X | X |
| 159       | X | X | X | X | X | X | X |
| 160       | X | X | X | X | X | X | X |
| 161       | X | X | X | X | X | X | X |
| 162       | X | X | X | X | X | X | X |
| 163       | X | X | X | X | X | X | X |
| 164       | X | X | X | X | X | X | X |
| 165       | X | X | X | X | X | X | X |
| 166       | X | X | X | X | X | X | X |
| 167       | X | X | X | X | X | X | X |
| 168       | X | X | X | X | X | X | X |
| 169       | X | X | X | X | X | X | X |
| 170       | X | X | X | X | X | X | X |
| 171       | X | X | X | X | X | X | X |
| 172       | X | X | X | X | X | X | X |
| 173       | X | X | X | X | X | X | X |
| 174       | X | X | X | X | X | X | X |
| 175       | X | X | X | X | X | X | X |
| 176       | X | X | X | X | X | X | X |
| 177       | X | X | X | X | X | X | X |
| 178       | X | X | X | X | X | X | X |
| 179       | X | X | X | X | X | X | X |
| 180       | X | X | X | X | X | X | X |
| 181       | X | X | X | X | X | X | X |
| 182       | X | X | X | X | X | X | X |
| 183       | X | X | X | X | X | X | X |
| 184       | X | X | X | X | X | X | X |
| 185       | X | X | X | X | X | X | X |
| 186       | X | X | X | X | X | X | X |
| 187       | X | X | X | X | X | X | X |
| 188       | X | X | X | X | X | X | X |
| 189       | X | X | X | X | X | X | X |
| 190       | X | X | X | X | X | X | X |
| 191       | X | X | X | X | X | X | X |
| 192       | X | X | X | X | X | X | X |
| 193       | X | X | X | X | X | X | X |
| 194       | X | X | X | X | X | X | X |
| 195       | X | X | X | X | X | X | X |
| 196       | X | X | X | X | X | X | X |
| 197       | X | X | X | X | X | X | X |
| 198       | X | X | X | X | X | X | X |
| 199       | X | X | X | X | X | X | X |
| 200       | X | X | X | X | X | X | X |

X NOT USED  
O USED ALTERNATE

• Semiconductor Location

| Ref No | Location | Ref No | Location | Ref No | Location | Ref No | Location | Ref No | Location | Ref No | Location |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
| 01     | C3       | D21    | H6       | H6     | D2       | 05     | D6       | 020    | I5       | 030    | 02       |
| 02     | D5       | D22    | E5       | C7     | D2       | 08     | D5       | 021    | I5       | 031    | D2       |
| 03     | D5       | D23    | G5       | IC8    | C4       | 08     | E4       | 022    | I5       | 032    | D3       |
| 04     | D5       | D24    | D3       | IC15   | D4       | 11     | G5       | 023    | I8       | 033    | C1       |
| 05     | E5       | D26    | G5       | IC22   | E6       | 14     | E4       | 024    | I6       | 034    | C2       |
| 07     | C5       | D28    | F4       | IC27   | F4       | 16     | F4       | 026    | I6       | 035    | C3       |
| 08     | F8       | D27    | C3       | IC28   | E4       | 18     | E4       | 028    | O3       | 035    | G5       |
| 09     | G5       | IC2    | C4       | 02     | B2       | 017    | E4       | 027    | C1       |        |          |
| D10    | G6       | IC4    | H4       | 03     | B2       | 019    | F4       | 028    | C2       |        |          |
| D11    | E4       | IC6    | C2       | 04     | B2       | 018    | H6       | 028    | D1       |        |          |

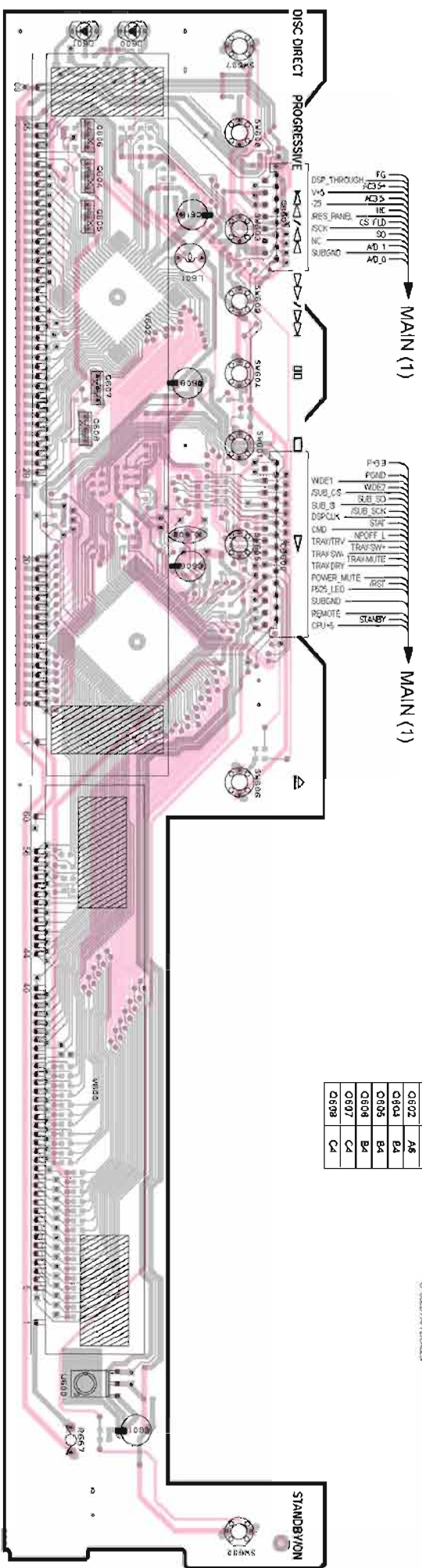






1 ■ DVR-S1000 PRINTED CIRCUIT BOARD (Foil side)

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



- FG
- AC35
- IC
- CS FLD
- SO
- AD\_0
- AD\_1
- MAIN (1)
- MAIN (1)
- PH3
- POW3
- WDR3
- RLB\_30
- RSUB\_SCK
- STAR
- NCOFF\_L
- TRAV/TRY
- TRAV/SW
- TRAV/DRY
- TRAV/MUTE
- POWER\_MUTE
- RESET
- PS2\_LED
- SUBGND
- REMOTE
- CRU-5
- AS715

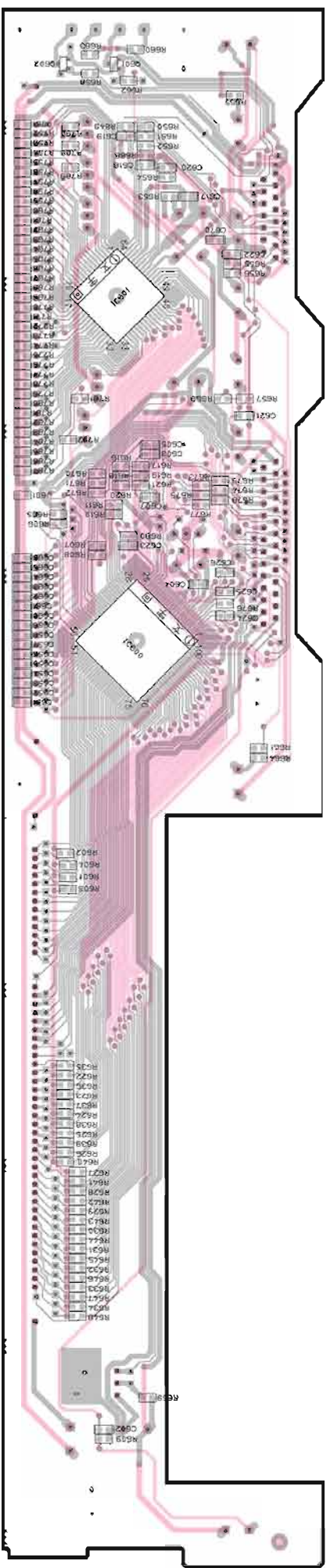
• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D500     | A3       |
| D501     | A4       |
| IC600    | B5       |
| IC601    | E5       |
| Q501     | A6       |
| Q502     | A6       |
| Q503     | B4       |
| Q504     | B4       |
| Q505     | B4       |
| Q506     | B4       |
| Q507     | C4       |
| Q508     | C4       |

| Grid No. | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D500     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| D501     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| IC600    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| IC601    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Q501     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Q502     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Q503     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Q504     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Q505     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Q506     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Q507     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Q508     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

A: NOT USED  
 O: USED/APPROPRIATE

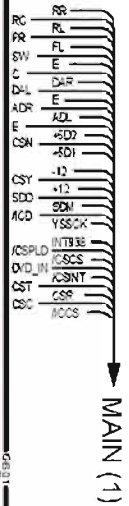
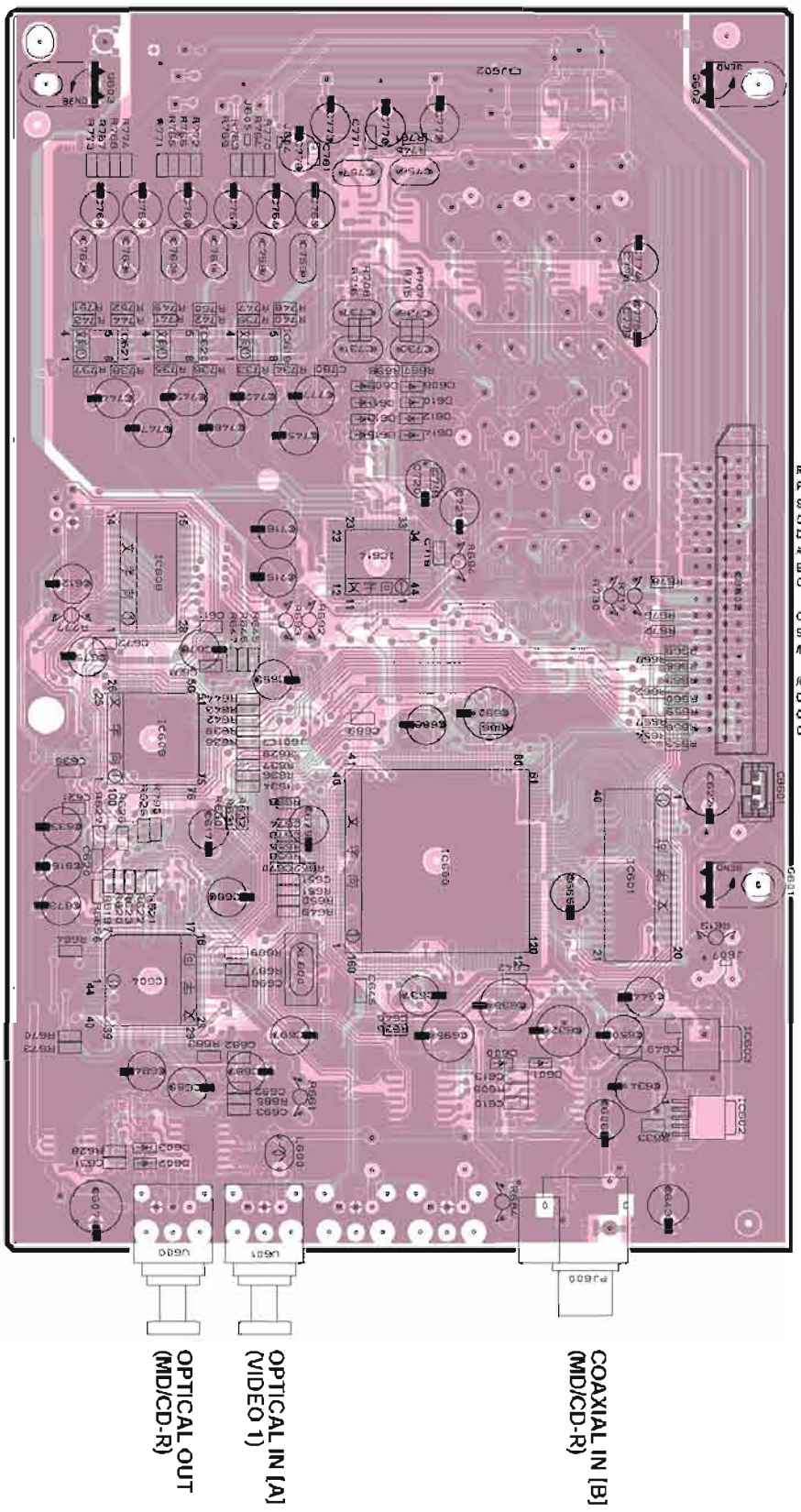
OPERATION P. C. B. (Surface Mount Device)



1 2 3 4 5 6 7 A B C D E F G H I J

**DVR-S100 PRINTED CIRCUIT BOARD (Foil side)**

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



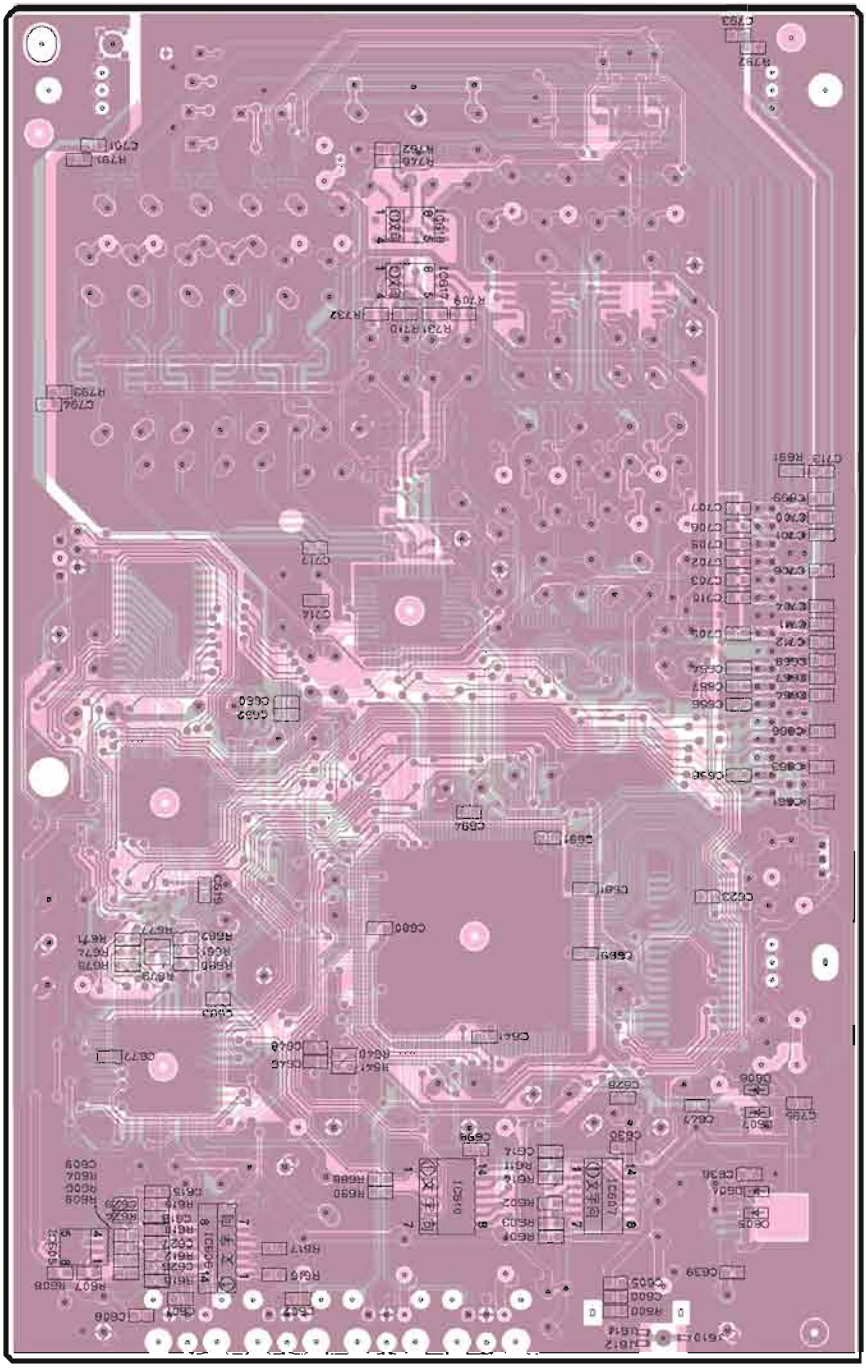
**Semiconductor Location**

| Part No | Location |
|---------|----------|
| D600    | F3       |
| D601    | F3       |
| D602    | G5       |
| D603    | G5       |
| D608    | C4       |
| D609    | C4       |
| D610    | C4       |
| D611    | C4       |
| D612    | C4       |
| D613    | C4       |
| D614    | C4       |
| D615    | C4       |
| IC600   | E4       |
| IC601   | E3       |
| IC602   | F2       |
| IC603   | F2       |
| IC604   | F6       |
| IC608   | D5       |
| IC609   | F6       |
| IC614   | D4       |
| IC619   | C4       |
| IC620   | C5       |
| IC621   | C5       |

| Component | J | K | L | M | N | O |
|-----------|---|---|---|---|---|---|
| IC601     |   |   |   |   |   |   |
| IC602     |   |   |   |   |   |   |
| IC603     |   |   |   |   |   |   |
| IC604     |   |   |   |   |   |   |
| IC608     |   |   |   |   |   |   |
| IC609     |   |   |   |   |   |   |
| IC614     |   |   |   |   |   |   |
| IC619     |   |   |   |   |   |   |
| IC620     |   |   |   |   |   |   |
| IC621     |   |   |   |   |   |   |



■ DVR-S100 PRINTED CIRCUIT BOARD (Foil side)  
**DSP P. C. B.** (Surface Mount Device)



• Semiconductor Location

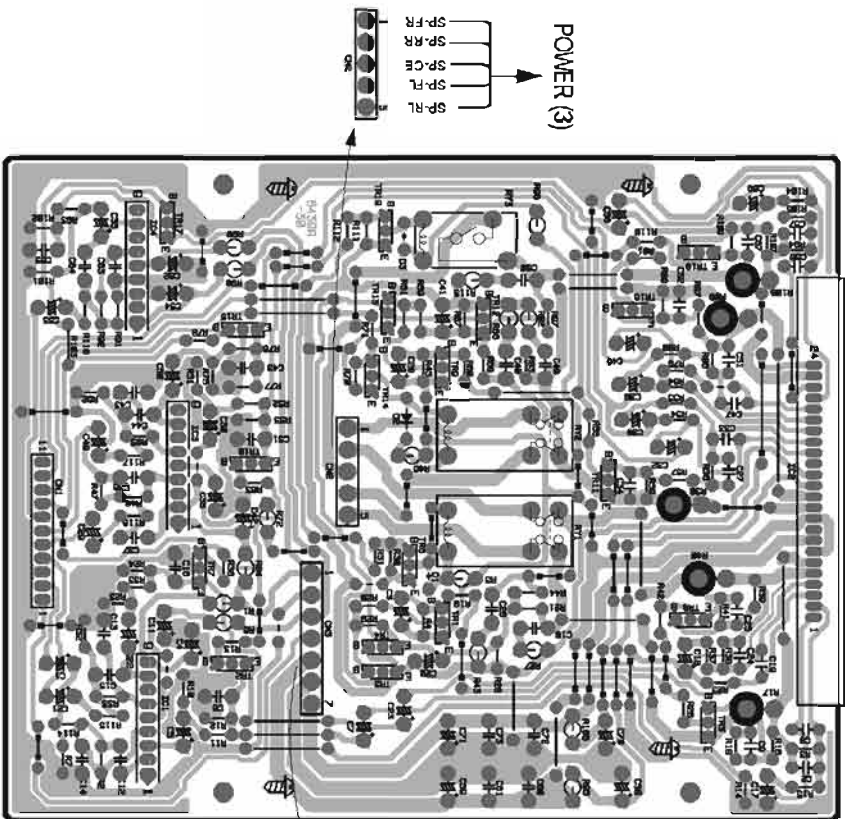
| Part No. | Location |
|----------|----------|
| D604     | F2       |
| D605     | F2       |
| D606     | F2       |
| D607     | F2       |
| IC605    | G5       |
| IC606    | G5       |
| IC607    | F5       |
| IC610    | F4       |
| IC617    | B4       |
| IC618    | B4       |

| Part No. | J | K | L | M | N | O |
|----------|---|---|---|---|---|---|
| IC601    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC602    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC603    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC604    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC605    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC606    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC607    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC608    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC609    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC610    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC611    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC612    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC613    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC614    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC615    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC616    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC617    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC618    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC619    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC620    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC621    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC622    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC623    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC624    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC625    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC626    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC627    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC628    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC629    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC630    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC631    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC632    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC633    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC634    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC635    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC636    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC637    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC638    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC639    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC640    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC641    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC642    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC643    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC644    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC645    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC646    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC647    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC648    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC649    | ○ | ○ | ○ | ○ | ○ | ○ |
| IC650    | ○ | ○ | ○ | ○ | ○ | ○ |

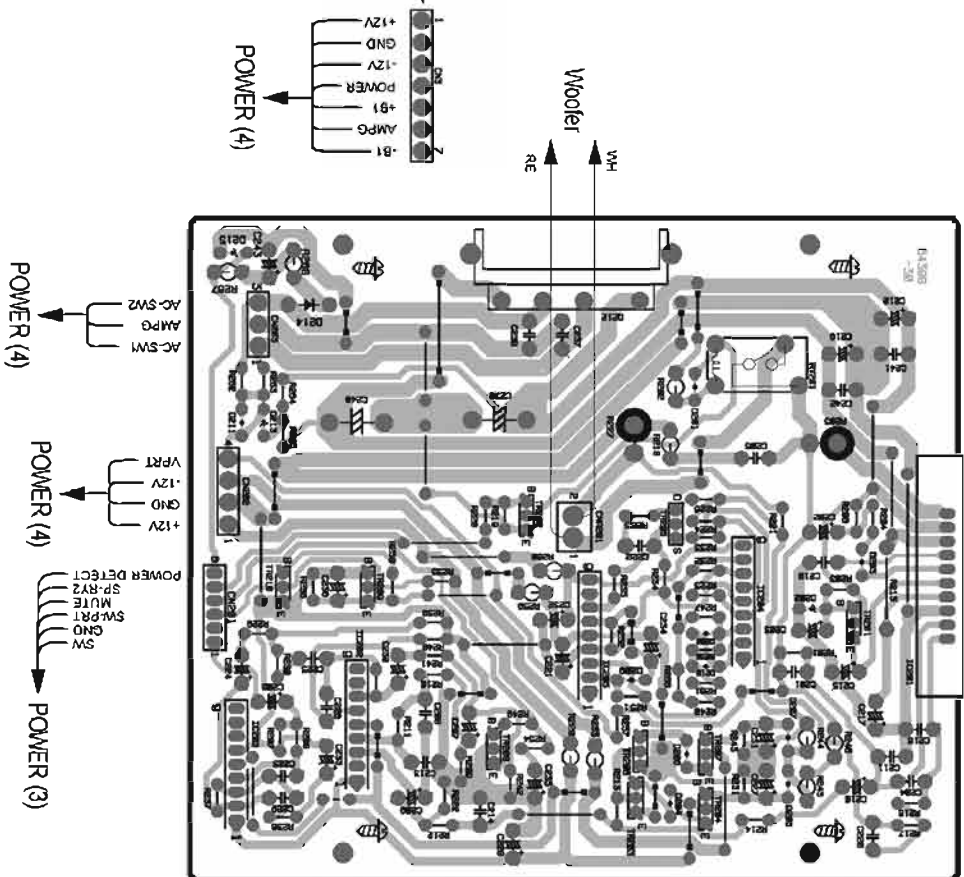
X: NOT USED  
 O: USED / AVAILABLE

■ SW-S100 PRINTED CIRCUIT BOARD (Foil side)

POWER AMP (1) P. C. B. (Lead Type Device)



POWER AMP (2) P. C. B. (Lead Type Device)

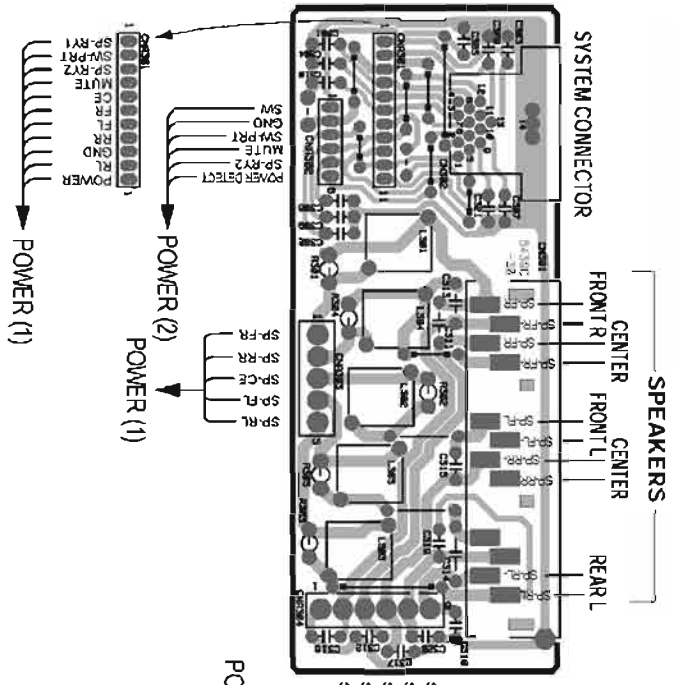


• Semiconductor Location

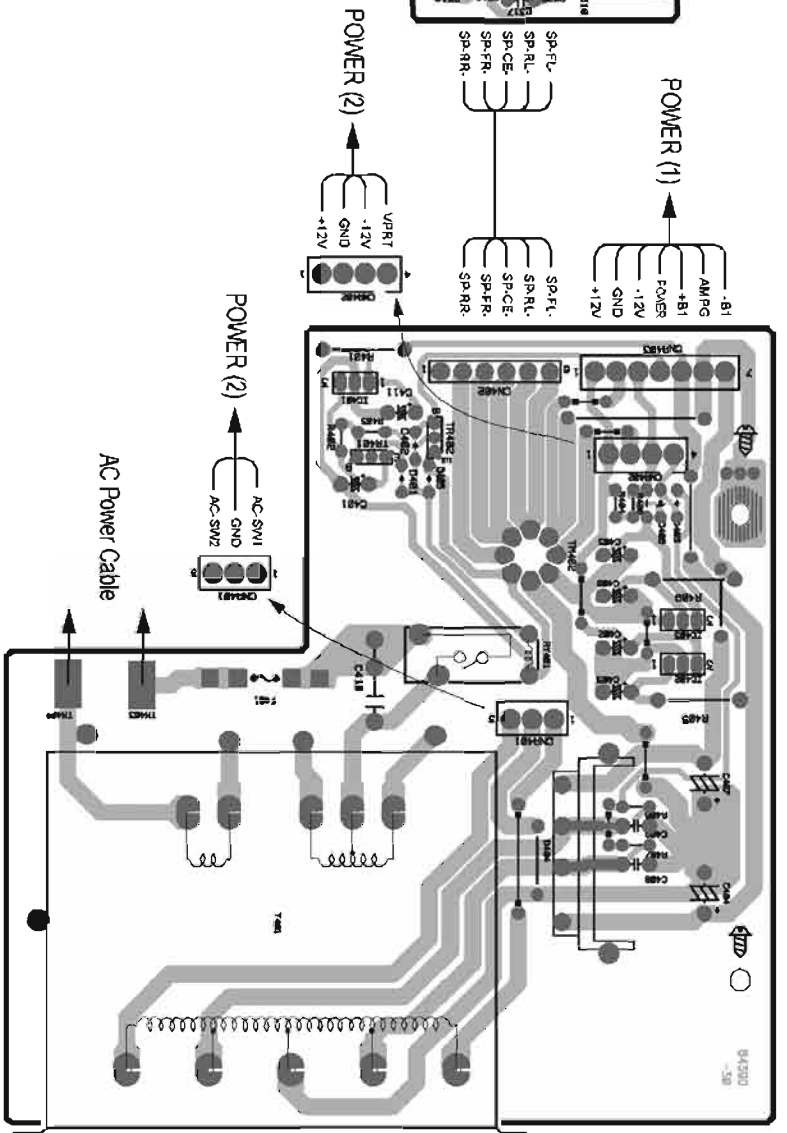
| Part No. | Location | Part No. | Location | Part No. | Location | Part No. | Location | Part No. | Location | Part No. | Location |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| D1       | D4       | Q208     | H3       | IC3      | G5       | TR4      | D4       | TR14     | C4       | TR206    | G3       |
| D2       | C4       | Q208     | H3       | IC4      | G5       | TR5      | D4       | TR15     | B4       | TR206    | H3       |
| D3       | B4       | Q210     | H3       | IC201    | G2       | TR6      | D4       | TR16     | B3       | TR207    | H3       |
| D201     | G3       | D211     | G5       | IC202    | H4       | TR7      | G5       | TR17     | B5       | TR208    | H4       |
| D202     | H2       | Q212     | F3       | IC203    | H5       | TR8      | D2       | TR18     | B2       | TR208    | G4       |
| D203     | G2       | Q213     | G5       | IC204    | H5       | TR9      | C3       | TR19     | B4       | TR210    | G5       |
| D204     | H3       | Q214     | F6       | IC205    | H3       | TR10     | C4       | TR201    | H2       |          |          |
| D205     | H2       | Q216     | F6       | TR1      | D3       | TR11     | C3       | TR202    | G4       |          |          |
| Q206     | H3       | IC1      | O5       | TR2      | O4       | TR12     | B3       | TR203    | H3       |          |          |
| D207     | H2       | IC2      | C2       | TR3      | D2       | TR13     | B4       | TR204    | H3       |          |          |

1 ■ SW-S100 PRINTED CIRCUIT BOARD (Foil side)

**POWER AMP (3) P. C. B.** (Lead Type Device)



**POWER AMP (4) P. C. B.** (Lead Type Device)



• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| Q401     | F3       |
| Q402     | F3       |
| Q403     | F2       |
| Q404     | H3       |
| D405     | F3       |
| D406     | F2       |
| IC401    | F4       |
| TR401    | F3       |
| TR402    | F4       |

1 2 3 4 5 6 7

A B C D E F G H I J

■ PIN CONNECTION DIAGRAM

• ICs

|                                                                   |                                                                     |                                                        |                                            |                  |
|-------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------|------------------|
| <br>NJM78L05A-T3<br>3 OUT<br>2 GND<br>1 IN                        | <br>NJM7812FA<br>NJM78M05FA<br>NJM78M12FA<br>3 IN<br>2 COM<br>1 OUT | <br>NJM78M05FA<br>NJM78M12FA<br>3 COM<br>2 IN<br>1 OUT | <br>HPC29M33T-E1<br>3 IN<br>2 SWK<br>1 OUT | <br>STT(K4)4-050 |
| <br>P008RD01<br>P008RD11                                          | <br>P008EZ5M2P                                                      | <br>P01CG21H2F                                         | <br>BA15718F<br>MUM2904M<br>HPC4570G2      | <br>HPC4570HA    |
| <br>TC74HC4096A-F-T1<br>TC74HC100AF<br>TC74HC108AF<br>TC74HC109AF | <br>SN74ALS07NSR                                                    | <br>NJM2969D                                           | <br>YA0320-EE2                             | <br>LC72722      |
| <br>CV62236LL                                                     | <br>LC78211                                                         | <br>BH1982FS                                           | <br>MSM514280C-60US                        |                  |
| <br>AK4527BVC                                                     | <br>CS493292-CLR                                                    | <br>LC75712E                                           | <br>MN101C39D                              |                  |
| <br>XC962XL-10TQ100C                                              | <br>M30624F9AF                                                      | <br>YSS938                                             |                                            |                  |

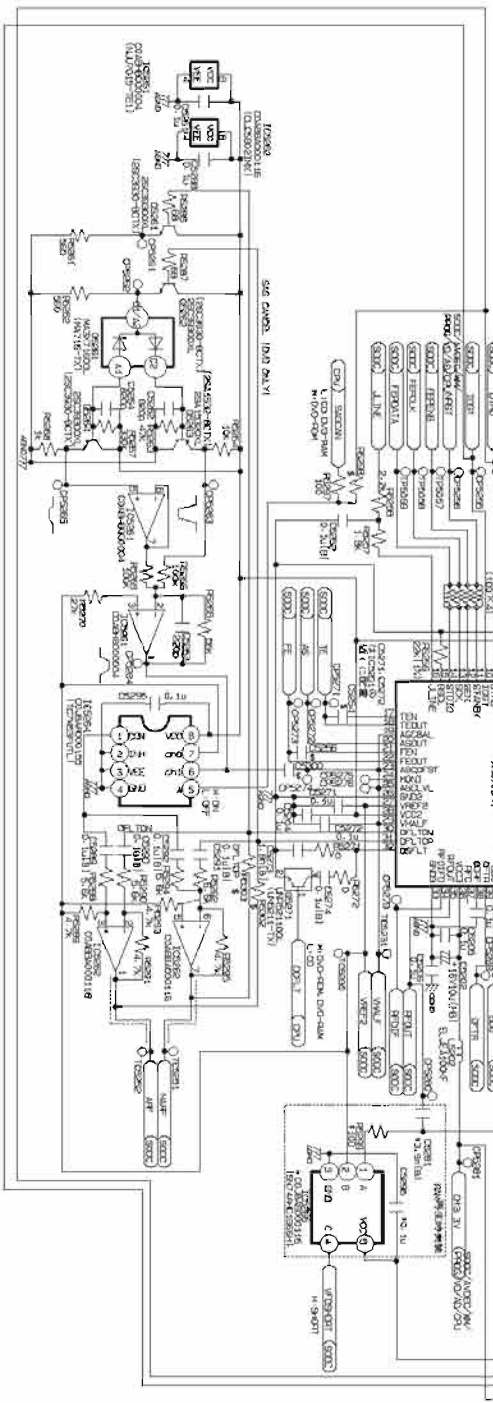
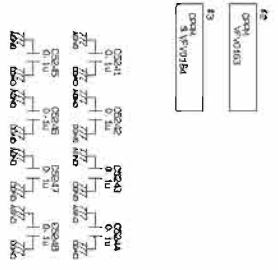
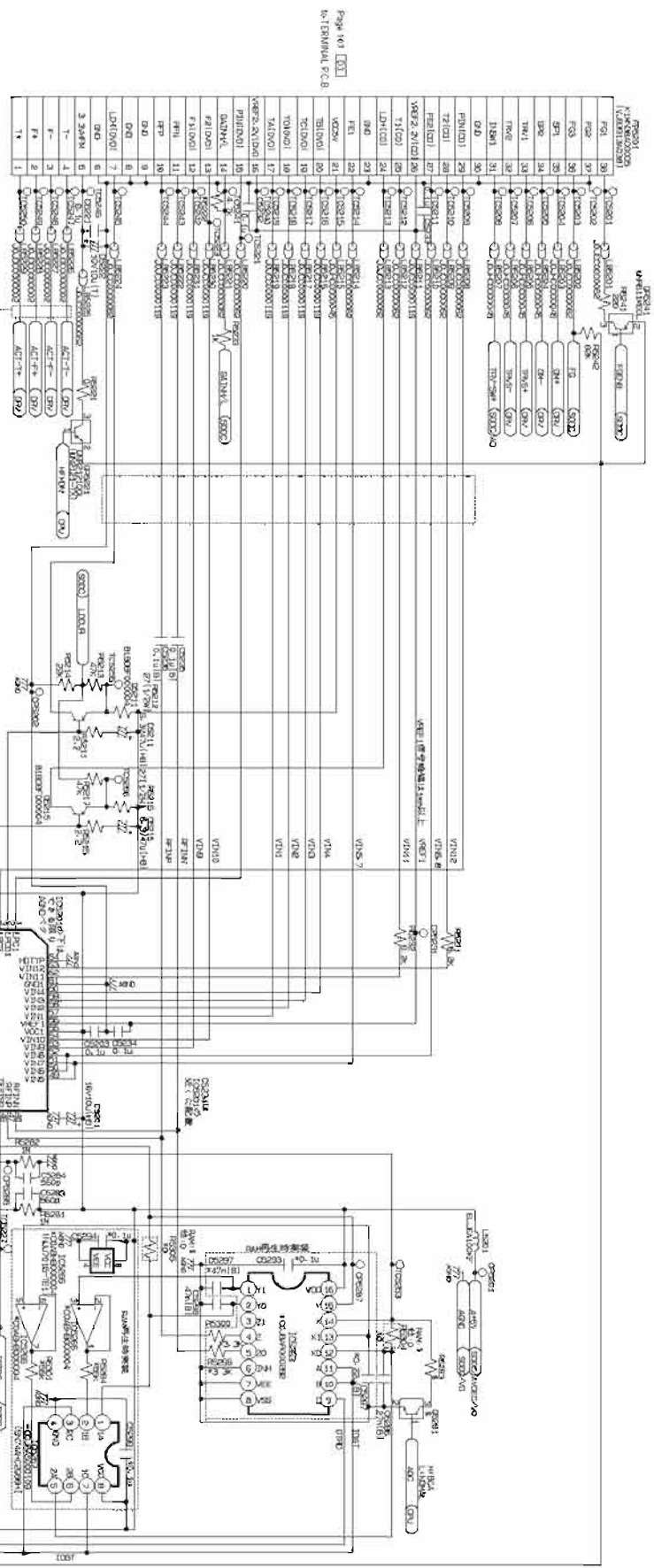
• Diodes

|                                                                     |                                                                                                           |            |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------|
| <br>1N4002S<br>1SR139<br>1SS133<br>MTZJ5 1B<br>MTZJ5 6B<br>MTZJ120B | <br>1SS515<br>1SS390<br>MA8051-M<br>MA8056-H<br>MA8082-M<br>MA810-L<br>MA8150-M<br>RB951L-40<br>RB951V-40 |            |
| <br>RBV-602                                                         | <br>S1NB20                                                                                                | <br>D4S8S4 |

• Transistors

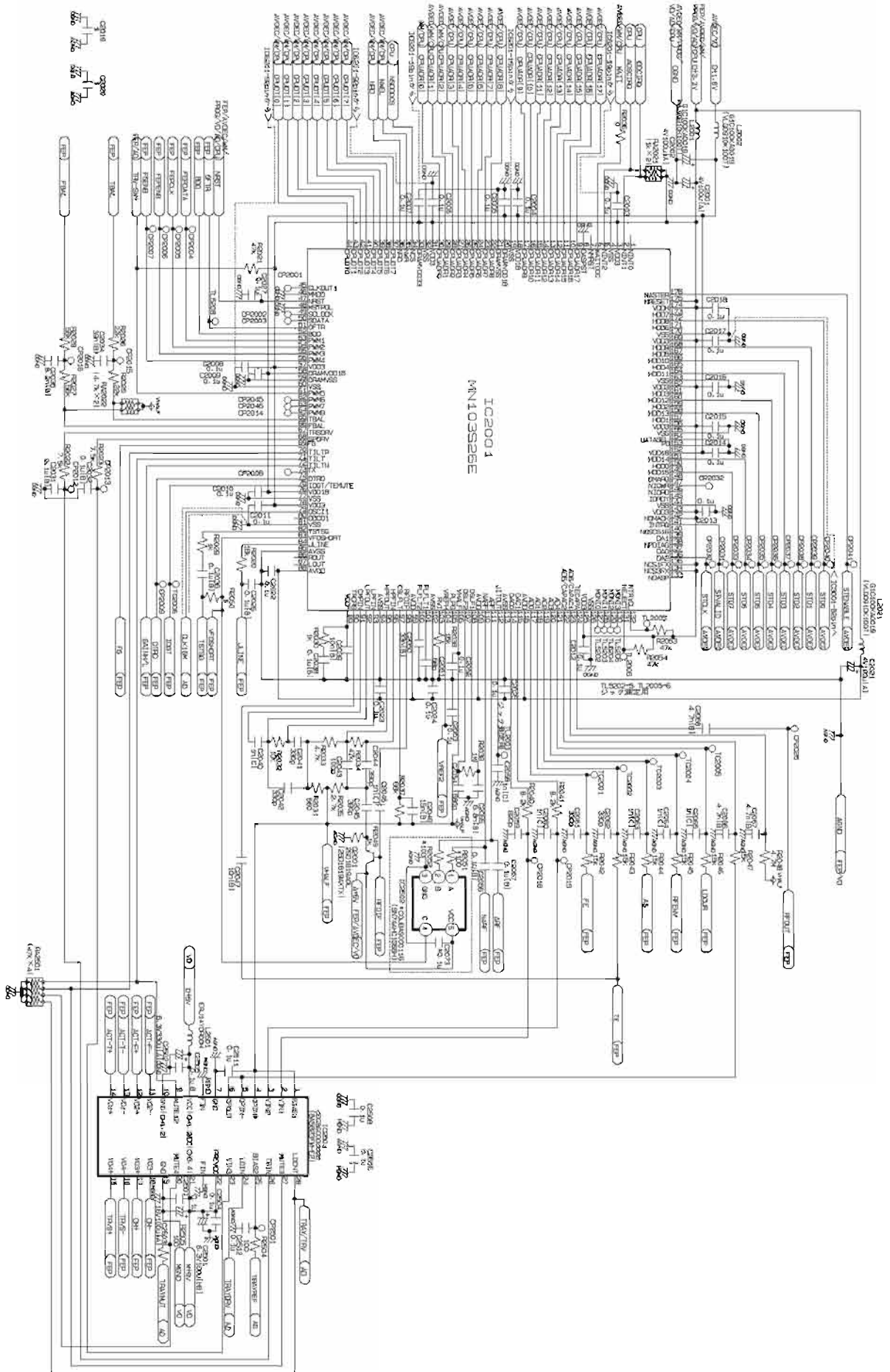
|                                                                    |                                     |                                                                                                       |
|--------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------|
| <br>2SA970<br>2SA1015<br>2SC1815<br>2SC2240<br>2SC2919<br>2SC4208A | <br>2SA1674<br>2SC1740S<br>2SD1991A | <br>2SA1037K<br>2SC2412K<br>2SD1939F<br>DTA114EKA<br>DTA144EKA<br>DTC144EKA<br>DTC144EKA<br>DTC144EKA |
| <br>2SC4488                                                        | <br>2SK304                          |                                                                                                       |

■ DVR-S100 SCHEMATIC DIAGRAM (MODULE P.C.B. (1/8): FEP SECTION)

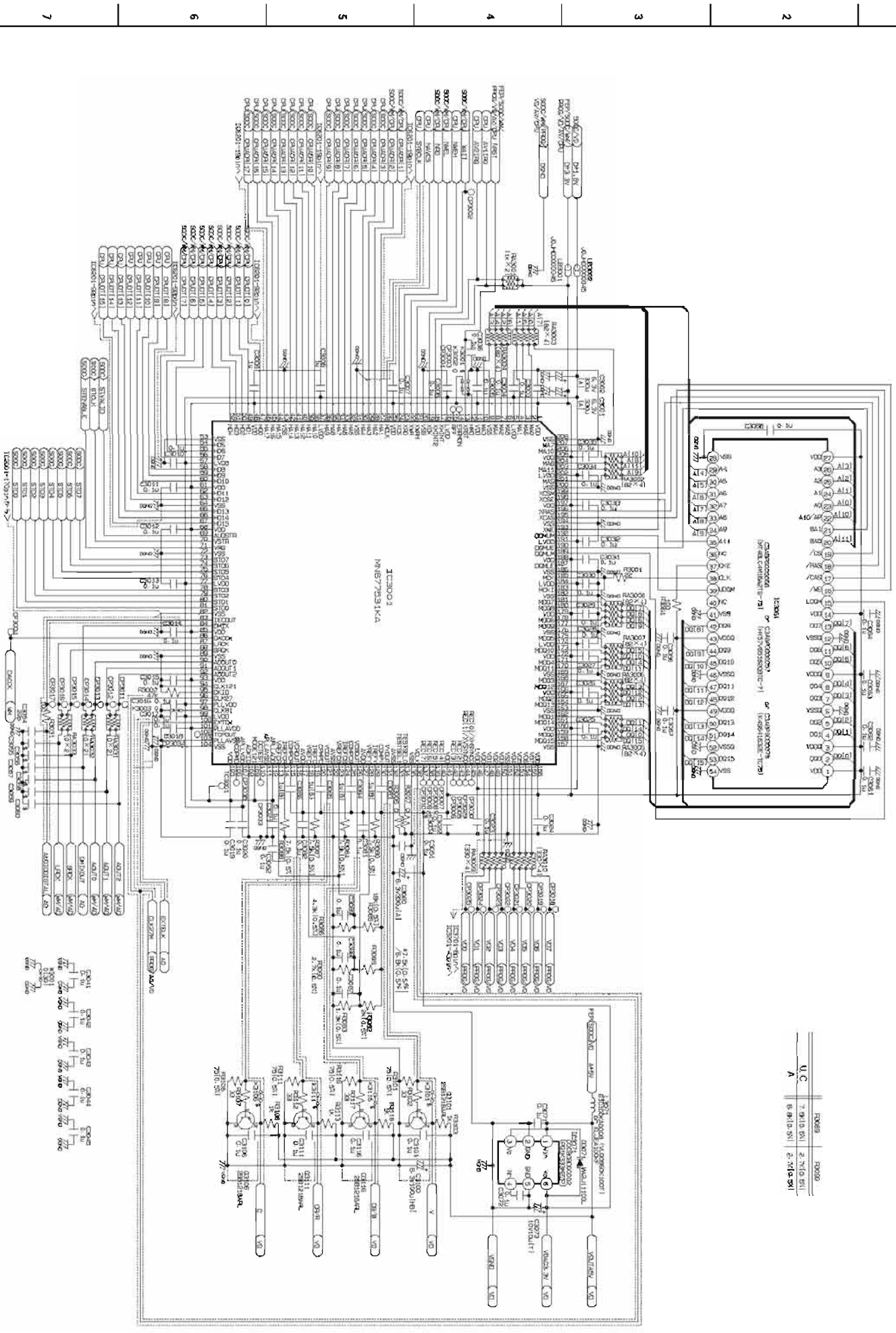


1 2 3 4 5 6 7

DVR-S100 SCHEMATIC DIAGRAM (MODULE P.C.B. (2/8) : SODC + DRV SECTION)



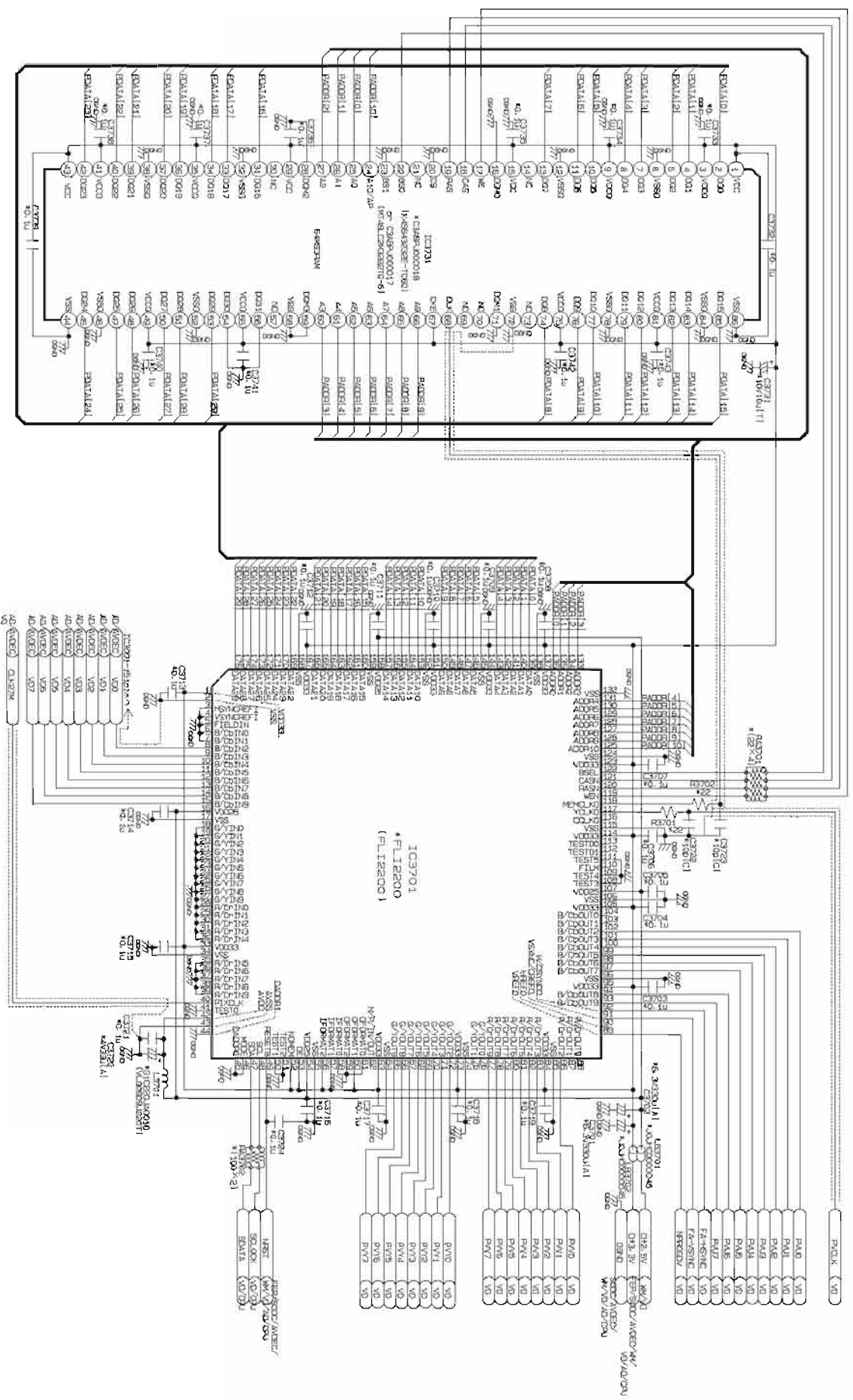
■ DVR-S100 SCHEMATIC DIAGRAM (MODULE P.C.B. (3/8): AVDEC SECTION)



1  
2  
3  
4  
5  
6  
7

A B C D E F G H I J

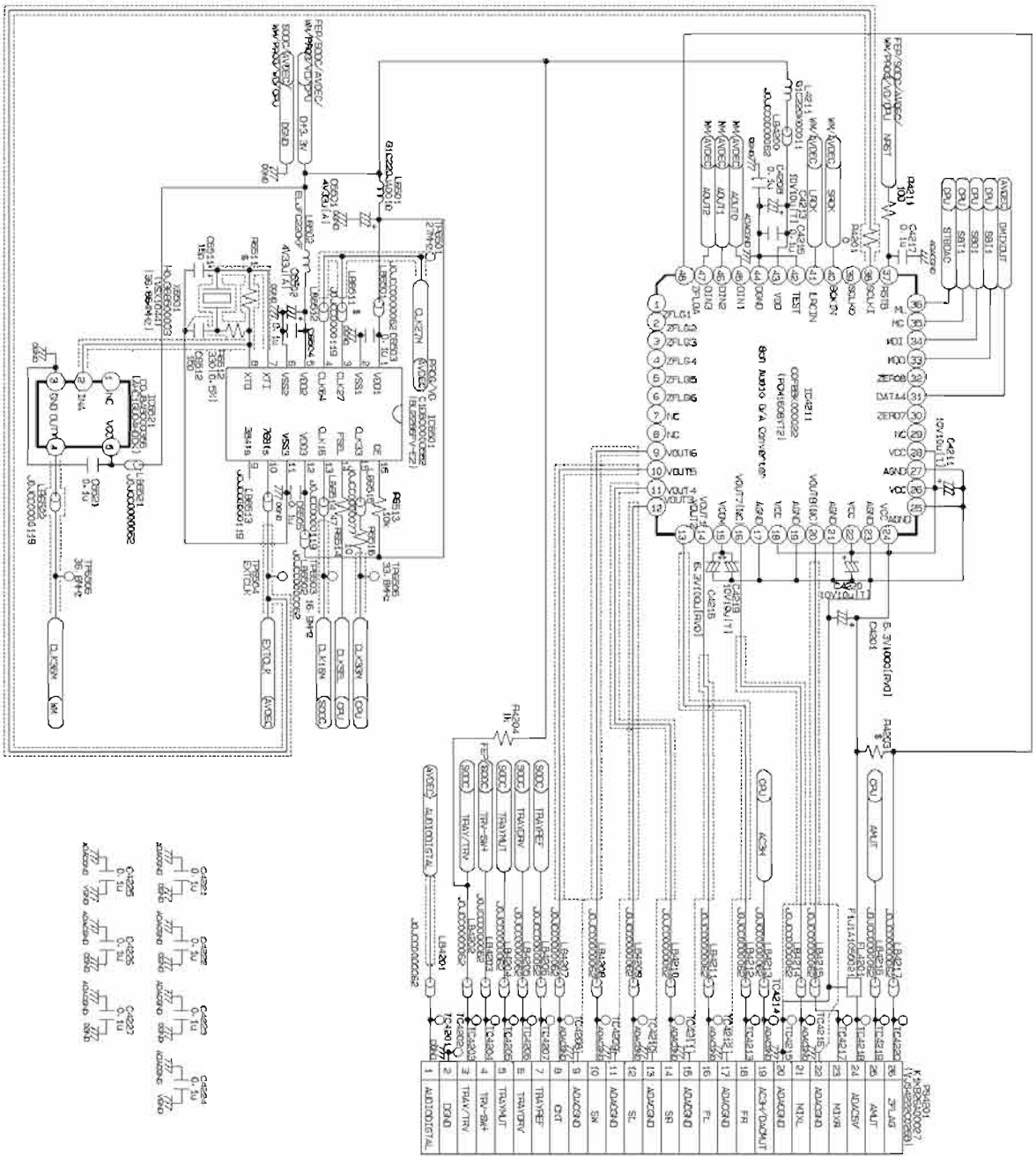
DVR-S100 SCHEMATIC DIAGRAM (MODULE P.C.B. (4/8) : PROGRESSIVE SECTION)  
U, C models only



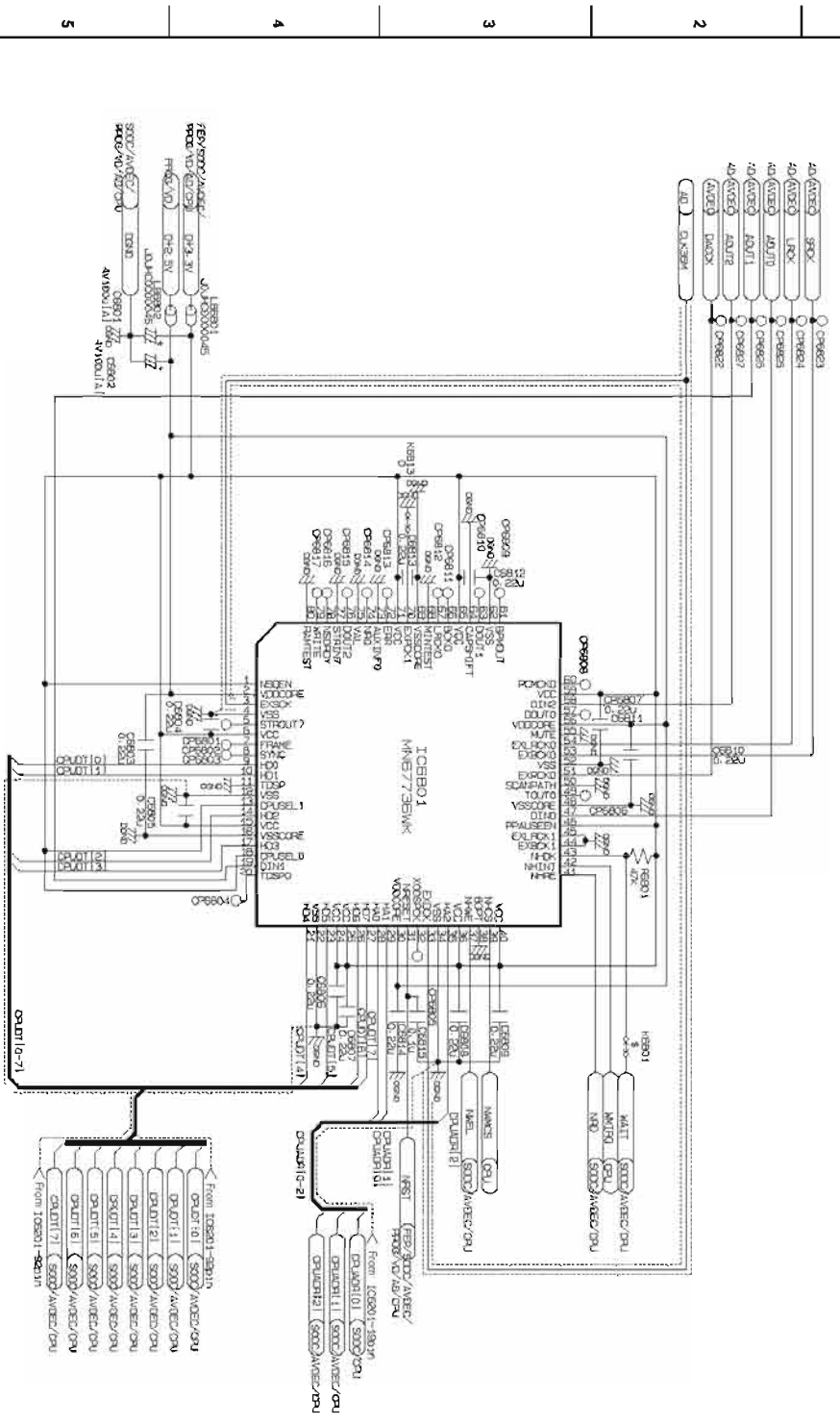




■ DVR-S100 SCHEMATIC DIAGRAM (MODULE P.C.B. (6/8) : AUDIO DAC SECTION)



DVR-S100 SCHEMATIC DIAGRAM (MODULE P.C.B. (7/8): W/M SECTION)



7

6

5

4

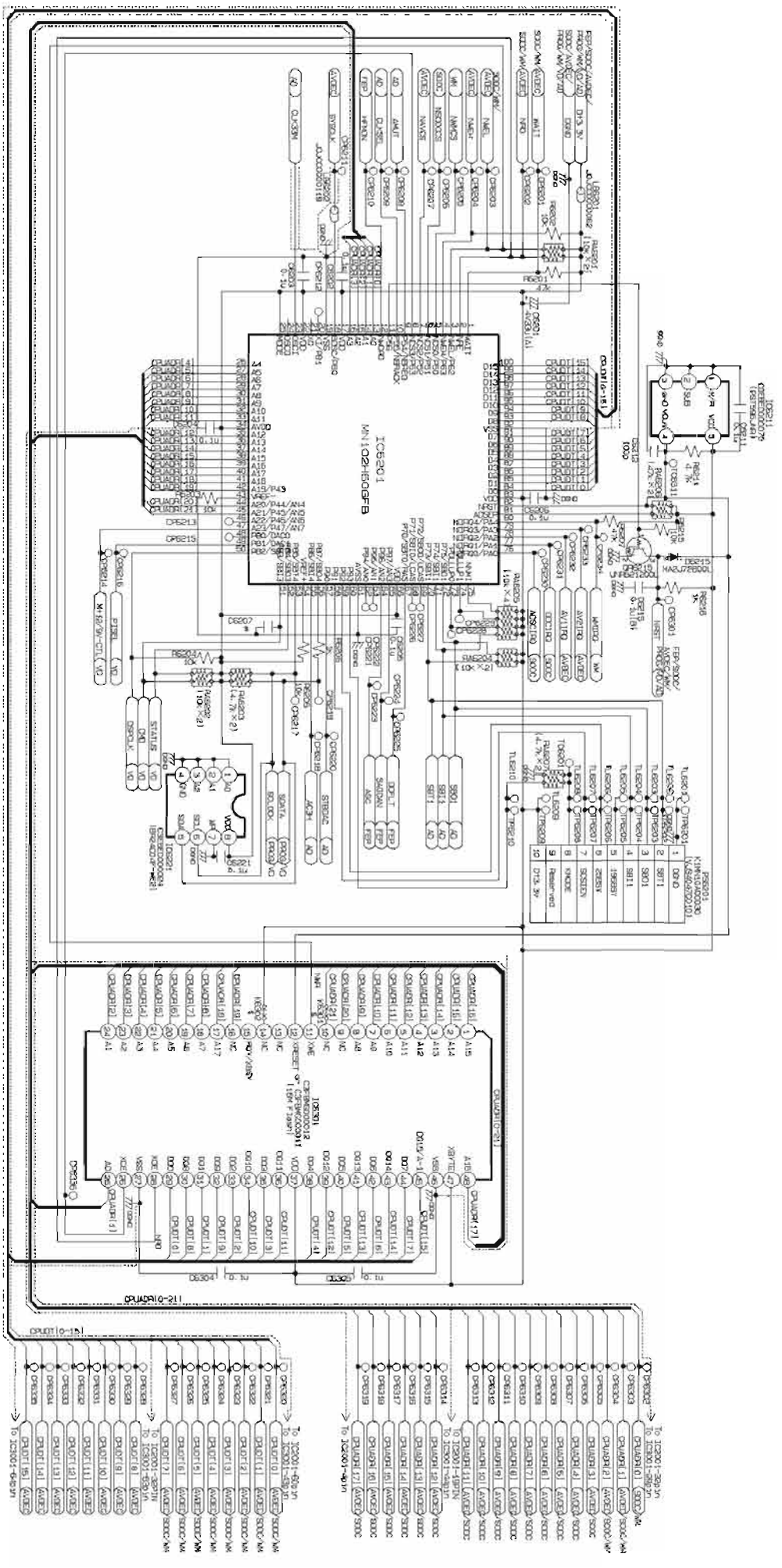
3

2

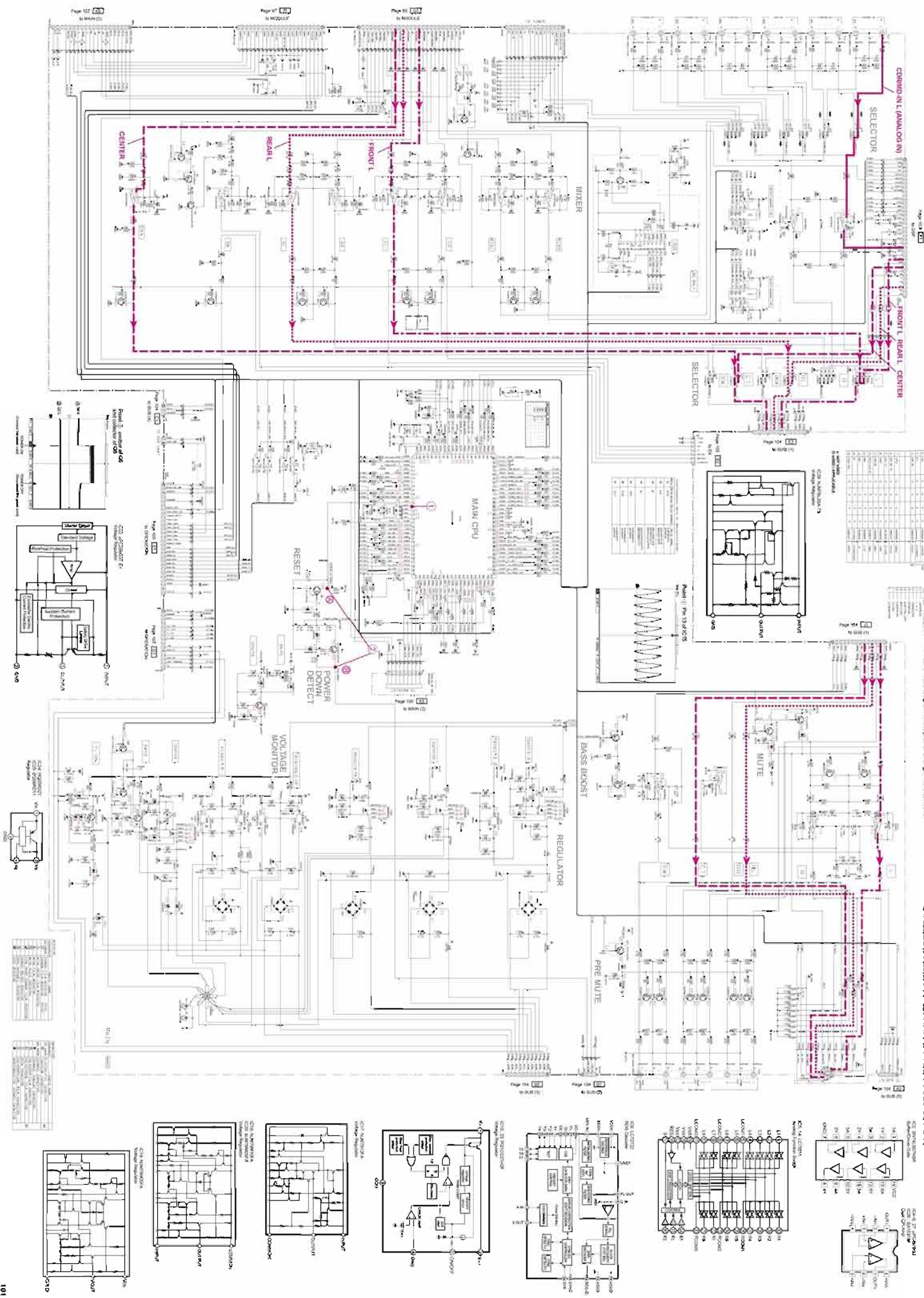
1

A B C D E F G H I J

DVR-S100 SCHEMATIC DIAGRAM (MODULE P.C.B. (8/8) : CPU SECTION)



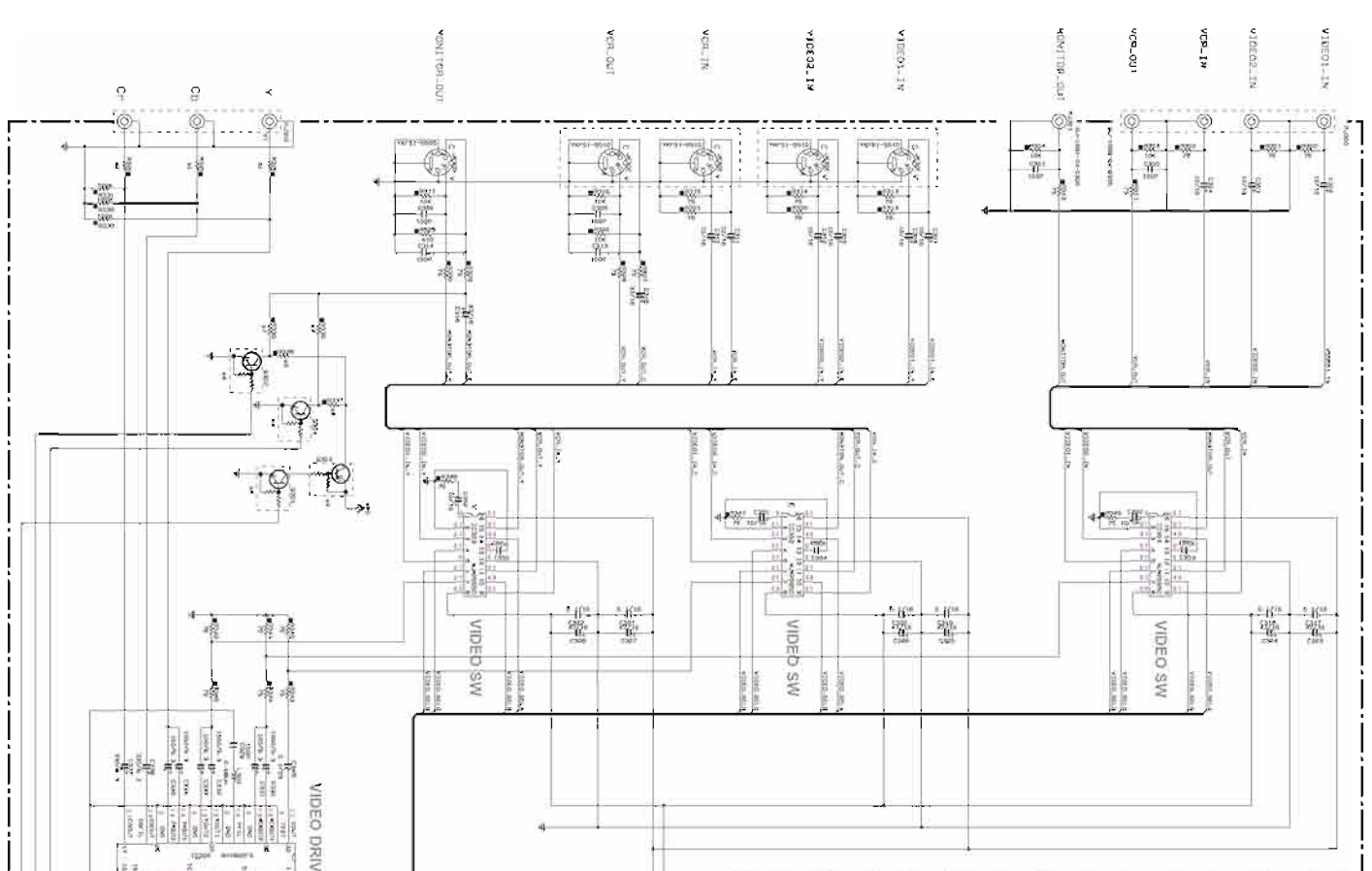
■ DVR-S100 SCHEMATIC DIAGRAM (MAIN 1/2)



\* All voltages are measured with a 10MΩV DC electric voltmeter.  
 \* Components having special characteristics are marked ①, and must be replaced with parts having specifications equal to those originally installed.  
 \* Schematic diagram is subject to change without notice.

● 電圧は、10MΩV DCの電圧計で測定したものです。特殊な特性の部品は、必ず同等の特性の部品で交換してください。  
 ● パーツには特別な特性の部品は、必ず同等の特性の部品で交換してください。  
 ● 本図面は仕様変更を伴う場合があります。

DVR-S100 SCHEMATIC DIAGRAM (MAIN 2/2)



VIDEO SW

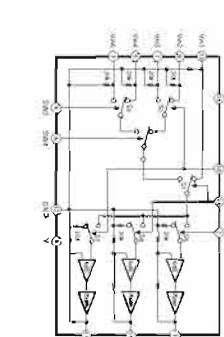
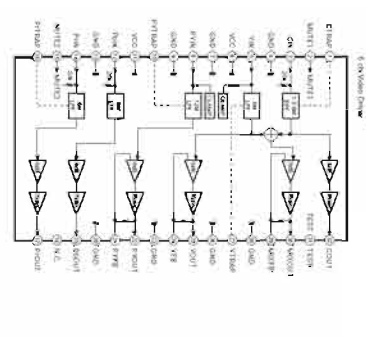
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| 100     | NC     | NO COMMON |

NOTICE (MODE 1)

CONDUCTIVE TAPES NAME

| NO. | CONDUCTIVE TAPES NAME             |
|-----|-----------------------------------|
| 1   | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 2   | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 3   | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 4   | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 5   | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 6   | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 7   | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
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| 96  | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 97  | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 98  | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 99  | NO. 1000 ELECTRO-CONDUCTIVE TAPES |
| 100 | NO. 1000 ELECTRO-CONDUCTIVE TAPES |

- All videos are produced with a 100GV DC electric volt meter.
- Components having special characteristics are marked 2), and must be replaced with the same type.
- Schematic diagram is subject to change without notice.
- 全てのビデオは100VDC電圧で製作されています。特殊の部品は2)でマークされています。必ず同じ部品を交換してください。
- 特殊の部品は、交換時必ず2)のマークを確認してください。
- すべてのビデオは100VDC電圧で製作されています。特殊の部品は2)でマークされています。必ず同じ部品を交換してください。
- 特殊の部品は、交換時必ず2)のマークを確認してください。

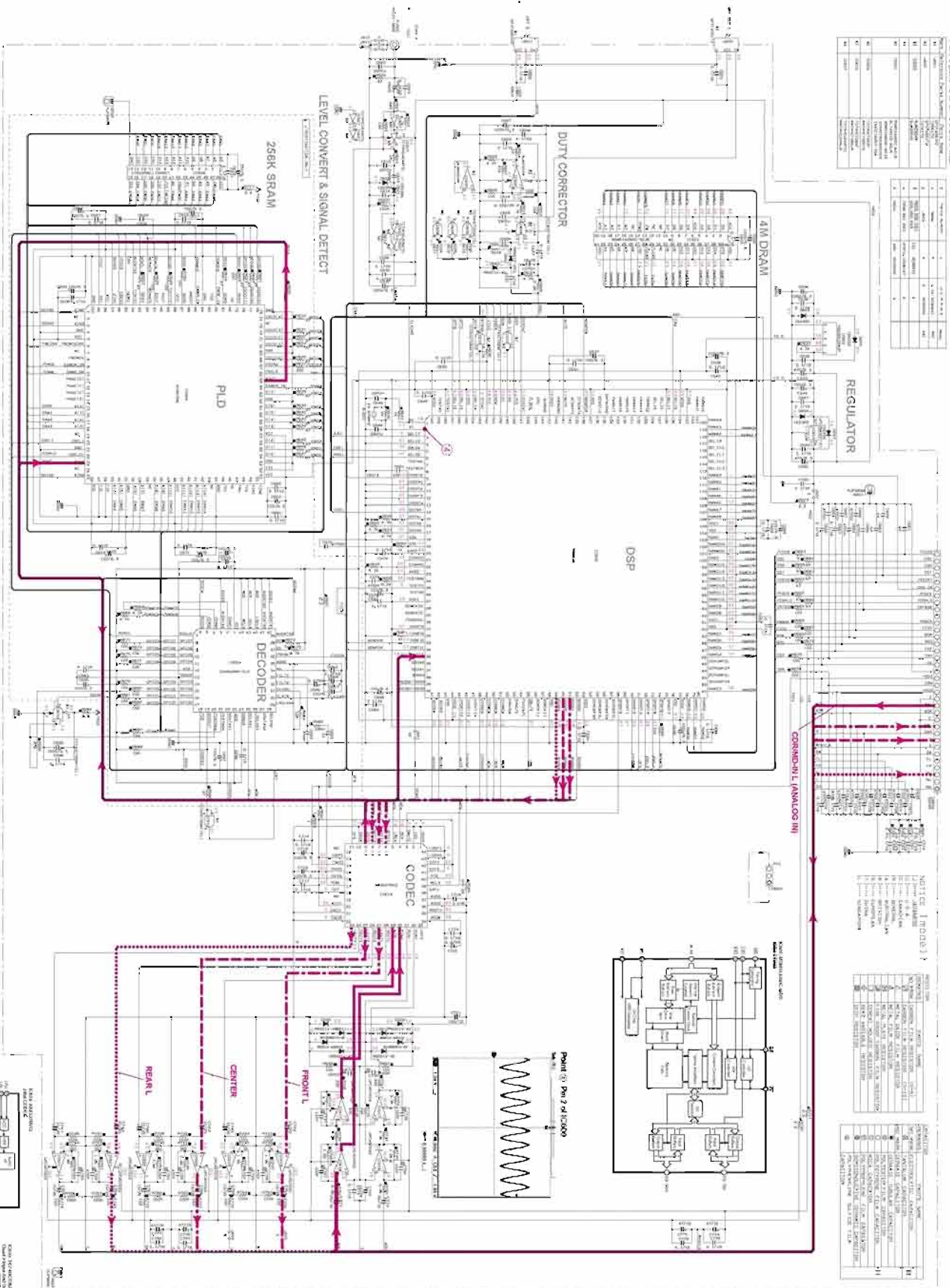


VIDEO DRIVER

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| 98      | NC     | NO COMMON |
| 99      | NC     | NO COMMON |
| 100     | NC     | NO COMMON |

| NO. | DESCRIPTION                   | QTY | REMARKS |
|-----|-------------------------------|-----|---------|
| 1   | REGULATOR                     | 1   |         |
| 2   | 4M DRAM                       | 1   |         |
| 3   | DUTY CORRECTOR                | 1   |         |
| 4   | DSP                           | 1   |         |
| 5   | PLD                           | 1   |         |
| 6   | 256K SRAM                     | 1   |         |
| 7   | CODEC                         | 1   |         |
| 8   | DECODER                       | 1   |         |
| 9   | LEVEL CONVERT & SIGNAL DETECT | 1   |         |

| NO. | DESCRIPTION                   | QTY | REMARKS |
|-----|-------------------------------|-----|---------|
| 1   | REGULATOR                     | 1   |         |
| 2   | 4M DRAM                       | 1   |         |
| 3   | DUTY CORRECTOR                | 1   |         |
| 4   | DSP                           | 1   |         |
| 5   | PLD                           | 1   |         |
| 6   | 256K SRAM                     | 1   |         |
| 7   | CODEC                         | 1   |         |
| 8   | DECODER                       | 1   |         |
| 9   | LEVEL CONVERT & SIGNAL DETECT | 1   |         |



NOTICE (MODEL)

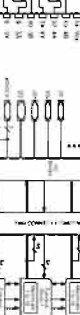
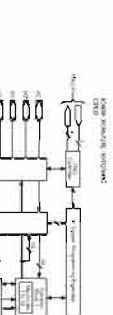
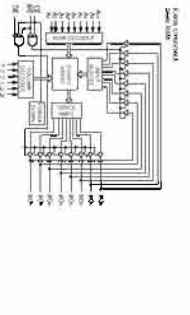
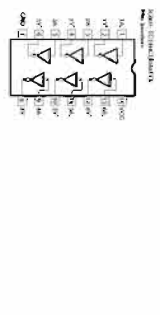
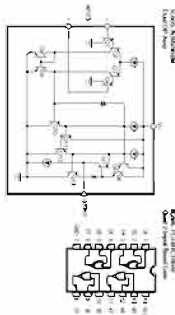
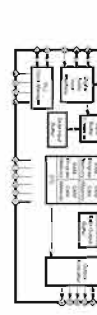
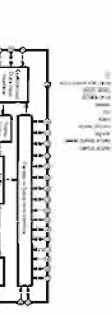
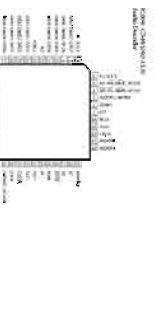
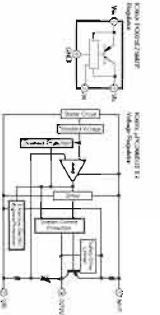
1. THE INFORMATION CONTAINED HEREIN IS SUBJECT TO CHANGE WITHOUT NOTICE.

2. THE INFORMATION CONTAINED HEREIN IS FOR REFERENCE ONLY. IT DOES NOT CONSTITUTE AN OFFER OF ANY FINANCIAL PRODUCT OR SERVICE.

3. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE USED AS A BASIS FOR INVESTMENT OR OTHER FINANCIAL DECISIONS.

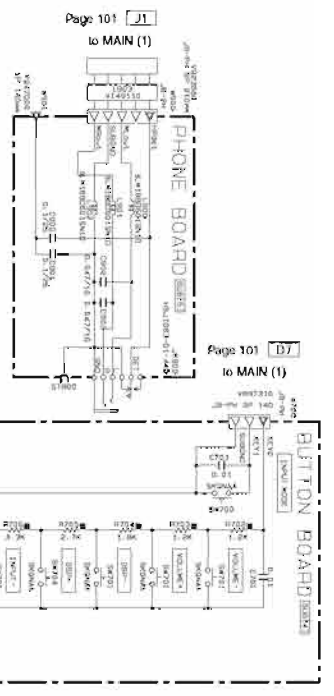
4. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE USED AS A BASIS FOR INVESTMENT OR OTHER FINANCIAL DECISIONS.

5. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE USED AS A BASIS FOR INVESTMENT OR OTHER FINANCIAL DECISIONS.



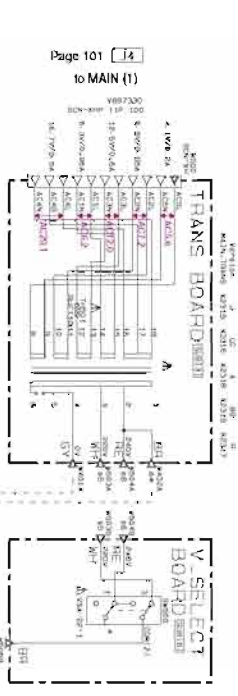
- All wattages are measured with a 100kΩV-DC electric voltmeter.
- Components having special characteristics are marked Δ, and must be reproduced with parts having specifications equal to those originally included.
- Schematic diagram is subject to change without notice.

- 電圧、電流は100kΩの抵抗で測定したものです。
- Δ印のある部品は、特別な特性を有しているため、必ず元の仕様を忠実に再現してください。
- 本図面は予告なく変更される場合があります。

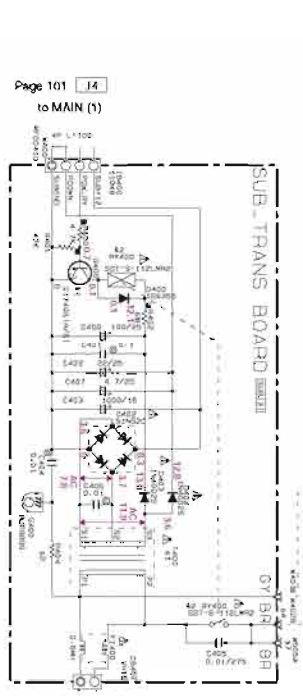


Page 101 J1 to MAIN (1)

Page 101 D7 to MAIN (1)

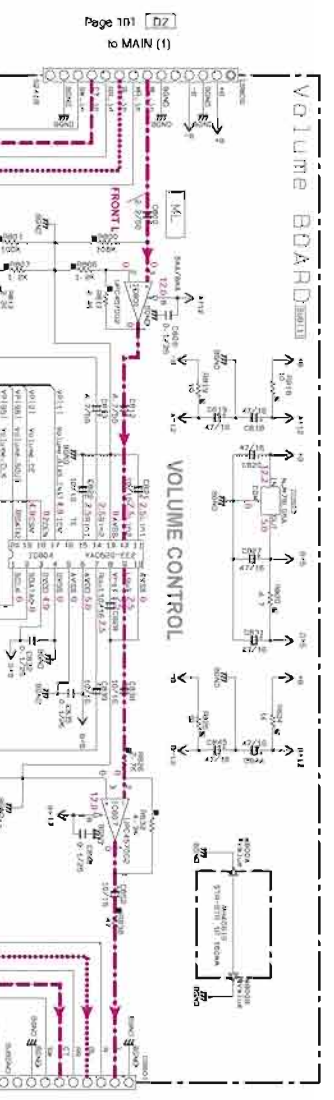


Page 101 J4 to MAIN (1)

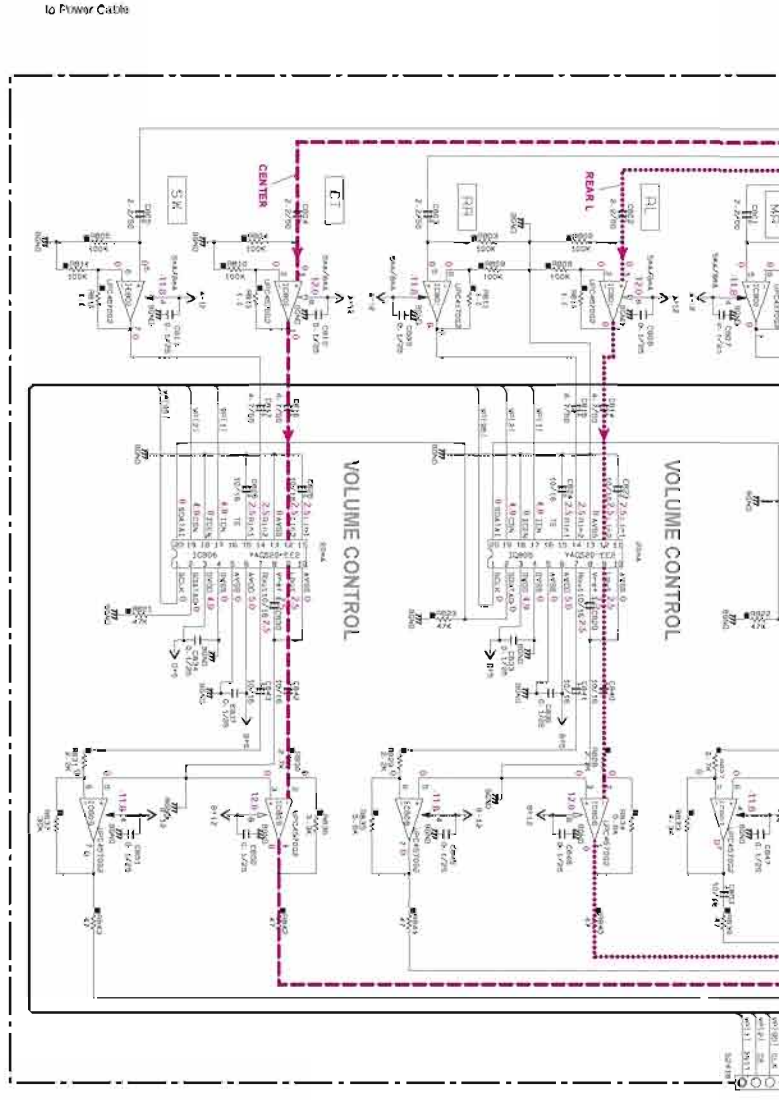


Page 101 J4 to MAIN (1)

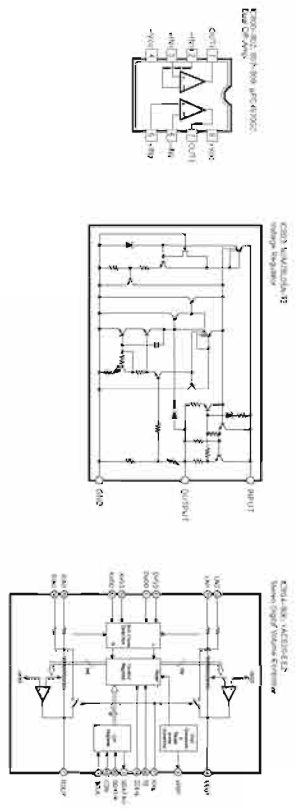
to Power Cable



Page 101 D2 to MAIN (1)



Page 101 J1 to MAIN (1)



REVISIONS

| NO. | DATE     | DESCRIPTION                            |
|-----|----------|----------------------------------------|
| 1   | 01/01/00 | INITIAL RELEASE                        |
| 2   | 03/01/00 | REVISION FOR JAPAN MARKET              |
| 3   | 05/01/00 | REVISION FOR EUROPEAN MARKET           |
| 4   | 07/01/00 | REVISION FOR AUSTRALIAN MARKET         |
| 5   | 09/01/00 | REVISION FOR SOUTH AFRICAN MARKET      |
| 6   | 11/01/00 | REVISION FOR INDIAN MARKET             |
| 7   | 01/01/01 | REVISION FOR CHINESE MARKET            |
| 8   | 03/01/01 | REVISION FOR HONG KONG MARKET          |
| 9   | 05/01/01 | REVISION FOR TAIWAN MARKET             |
| 10  | 07/01/01 | REVISION FOR SINGAPORE MARKET          |
| 11  | 09/01/01 | REVISION FOR MALAYSIA MARKET           |
| 12  | 11/01/01 | REVISION FOR THAI MARKET               |
| 13  | 01/01/02 | REVISION FOR PHILIPPINE MARKET         |
| 14  | 03/01/02 | REVISION FOR VIETNAM MARKET            |
| 15  | 05/01/02 | REVISION FOR SOUTH KOREA MARKET        |
| 16  | 07/01/02 | REVISION FOR INDONESIAN MARKET         |
| 17  | 09/01/02 | REVISION FOR BRAZIL MARKET             |
| 18  | 11/01/02 | REVISION FOR ARGENTINA MARKET          |
| 19  | 01/01/03 | REVISION FOR MEXICO MARKET             |
| 20  | 03/01/03 | REVISION FOR COLOMBIA MARKET           |
| 21  | 05/01/03 | REVISION FOR PERU MARKET               |
| 22  | 07/01/03 | REVISION FOR CHILE MARKET              |
| 23  | 09/01/03 | REVISION FOR VENEZUELA MARKET          |
| 24  | 11/01/03 | REVISION FOR ECUADOR MARKET            |
| 25  | 01/01/04 | REVISION FOR GUATEMALA MARKET          |
| 26  | 03/01/04 | REVISION FOR COSTA RICA MARKET         |
| 27  | 05/01/04 | REVISION FOR PANAMA MARKET             |
| 28  | 07/01/04 | REVISION FOR DOMINICAN REPUBLIC MARKET |
| 29  | 09/01/04 | REVISION FOR HONDURAS MARKET           |
| 30  | 11/01/04 | REVISION FOR NICARAGUA MARKET          |
| 31  | 01/01/05 | REVISION FOR EL SALVADOR MARKET        |
| 32  | 03/01/05 | REVISION FOR PARAGUAY MARKET           |
| 33  | 05/01/05 | REVISION FOR URUGUAY MARKET            |
| 34  | 07/01/05 | REVISION FOR CHILE MARKET              |
| 35  | 09/01/05 | REVISION FOR ARGENTINA MARKET          |
| 36  | 11/01/05 | REVISION FOR BRAZIL MARKET             |
| 37  | 01/01/06 | REVISION FOR MEXICO MARKET             |
| 38  | 03/01/06 | REVISION FOR COLOMBIA MARKET           |
| 39  | 05/01/06 | REVISION FOR PERU MARKET               |
| 40  | 07/01/06 | REVISION FOR CHILE MARKET              |
| 41  | 09/01/06 | REVISION FOR VENEZUELA MARKET          |
| 42  | 11/01/06 | REVISION FOR ECUADOR MARKET            |
| 43  | 01/01/07 | REVISION FOR GUATEMALA MARKET          |
| 44  | 03/01/07 | REVISION FOR COSTA RICA MARKET         |
| 45  | 05/01/07 | REVISION FOR PANAMA MARKET             |
| 46  | 07/01/07 | REVISION FOR DOMINICAN REPUBLIC MARKET |
| 47  | 09/01/07 | REVISION FOR HONDURAS MARKET           |
| 48  | 11/01/07 | REVISION FOR NICARAGUA MARKET          |
| 49  | 01/01/08 | REVISION FOR EL SALVADOR MARKET        |
| 50  | 03/01/08 | REVISION FOR PARAGUAY MARKET           |
| 51  | 05/01/08 | REVISION FOR URUGUAY MARKET            |
| 52  | 07/01/08 | REVISION FOR CHILE MARKET              |
| 53  | 09/01/08 | REVISION FOR ARGENTINA MARKET          |
| 54  | 11/01/08 | REVISION FOR BRAZIL MARKET             |
| 55  | 01/01/09 | REVISION FOR MEXICO MARKET             |
| 56  | 03/01/09 | REVISION FOR COLOMBIA MARKET           |
| 57  | 05/01/09 | REVISION FOR PERU MARKET               |
| 58  | 07/01/09 | REVISION FOR CHILE MARKET              |
| 59  | 09/01/09 | REVISION FOR VENEZUELA MARKET          |
| 60  | 11/01/09 | REVISION FOR ECUADOR MARKET            |
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| 62  | 03/01/10 | REVISION FOR COSTA RICA MARKET         |
| 63  | 05/01/10 | REVISION FOR PANAMA MARKET             |
| 64  | 07/01/10 | REVISION FOR DOMINICAN REPUBLIC MARKET |
| 65  | 09/01/10 | REVISION FOR HONDURAS MARKET           |
| 66  | 11/01/10 | REVISION FOR NICARAGUA MARKET          |
| 67  | 01/01/11 | REVISION FOR EL SALVADOR MARKET        |
| 68  | 03/01/11 | REVISION FOR PARAGUAY MARKET           |
| 69  | 05/01/11 | REVISION FOR URUGUAY MARKET            |
| 70  | 07/01/11 | REVISION FOR CHILE MARKET              |
| 71  | 09/01/11 | REVISION FOR ARGENTINA MARKET          |
| 72  | 11/01/11 | REVISION FOR BRAZIL MARKET             |
| 73  | 01/01/12 | REVISION FOR MEXICO MARKET             |
| 74  | 03/01/12 | REVISION FOR COLOMBIA MARKET           |
| 75  | 05/01/12 | REVISION FOR PERU MARKET               |
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| 85  | 01/01/14 | REVISION FOR EL SALVADOR MARKET        |
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| 88  | 07/01/14 | REVISION FOR CHILE MARKET              |
| 89  | 09/01/14 | REVISION FOR ARGENTINA MARKET          |
| 90  | 11/01/14 | REVISION FOR BRAZIL MARKET             |
| 91  | 01/01/15 | REVISION FOR MEXICO MARKET             |
| 92  | 03/01/15 | REVISION FOR COLOMBIA MARKET           |
| 93  | 05/01/15 | REVISION FOR PERU MARKET               |
| 94  | 07/01/15 | REVISION FOR CHILE MARKET              |
| 95  | 09/01/15 | REVISION FOR VENEZUELA MARKET          |
| 96  | 11/01/15 | REVISION FOR ECUADOR MARKET            |
| 97  | 01/01/16 | REVISION FOR GUATEMALA MARKET          |
| 98  | 03/01/16 | REVISION FOR COSTA RICA MARKET         |
| 99  | 05/01/16 | REVISION FOR PANAMA MARKET             |
| 100 | 07/01/16 | REVISION FOR DOMINICAN REPUBLIC MARKET |

REVISIONS

| NO. | DATE     | DESCRIPTION                            |
|-----|----------|----------------------------------------|
| 1   | 01/01/00 | INITIAL RELEASE                        |
| 2   | 03/01/00 | REVISION FOR JAPAN MARKET              |
| 3   | 05/01/00 | REVISION FOR EUROPEAN MARKET           |
| 4   | 07/01/00 | REVISION FOR AUSTRALIAN MARKET         |
| 5   | 09/01/00 | REVISION FOR SOUTH AFRICAN MARKET      |
| 6   | 11/01/00 | REVISION FOR INDIAN MARKET             |
| 7   | 01/01/01 | REVISION FOR CHINESE MARKET            |
| 8   | 03/01/01 | REVISION FOR HONG KONG MARKET          |
| 9   | 05/01/01 | REVISION FOR TAIWAN MARKET             |
| 10  | 07/01/01 | REVISION FOR SINGAPORE MARKET          |
| 11  | 09/01/01 | REVISION FOR MALAYSIA MARKET           |
| 12  | 11/01/01 | REVISION FOR THAI MARKET               |
| 13  | 01/01/02 | REVISION FOR PHILIPPINE MARKET         |
| 14  | 03/01/02 | REVISION FOR VIETNAM MARKET            |
| 15  | 05/01/02 | REVISION FOR SOUTH KOREA MARKET        |
| 16  | 07/01/02 | REVISION FOR INDONESIAN MARKET         |
| 17  | 09/01/02 | REVISION FOR BRAZIL MARKET             |
| 18  | 11/01/02 | REVISION FOR ARGENTINA MARKET          |
| 19  | 01/01/03 | REVISION FOR MEXICO MARKET             |
| 20  | 03/01/03 | REVISION FOR COLOMBIA MARKET           |
| 21  | 05/01/03 | REVISION FOR PERU MARKET               |
| 22  | 07/01/03 | REVISION FOR CHILE MARKET              |
| 23  | 09/01/03 | REVISION FOR VENEZUELA MARKET          |
| 24  | 11/01/03 | REVISION FOR ECUADOR MARKET            |
| 25  | 01/01/04 | REVISION FOR GUATEMALA MARKET          |
| 26  | 03/01/04 | REVISION FOR COSTA RICA MARKET         |
| 27  | 05/01/04 | REVISION FOR PANAMA MARKET             |
| 28  | 07/01/04 | REVISION FOR DOMINICAN REPUBLIC MARKET |
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| 99  | 05/01/16 | REVISION FOR PANAMA MARKET             |
| 100 | 07/01/16 | REVISION FOR DOMINICAN REPUBLIC MARKET |

NOTICE (GROUP 1)

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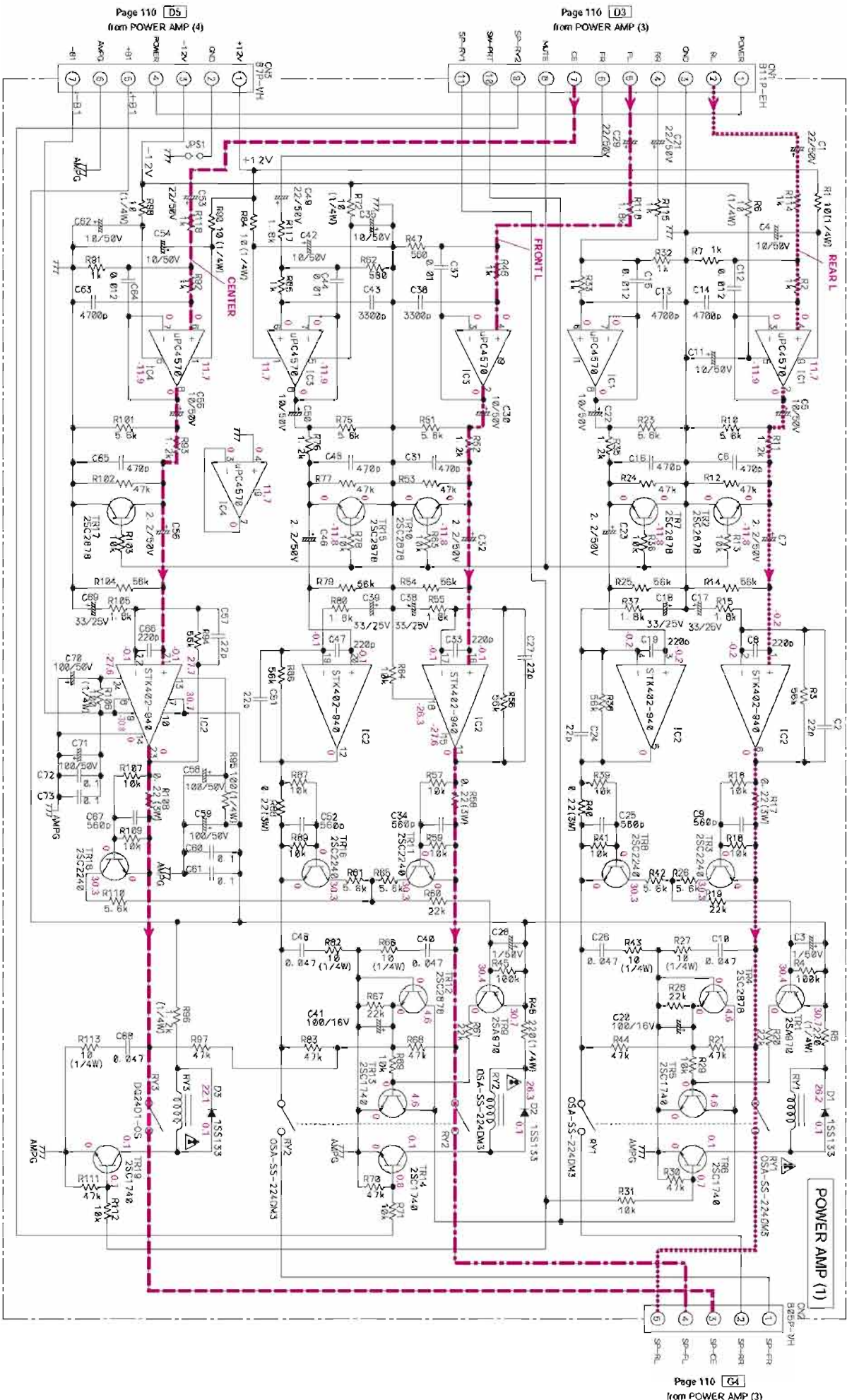








SW-S100 SCHEMATIC DIAGRAM 1/3 (5ch Amp Block)

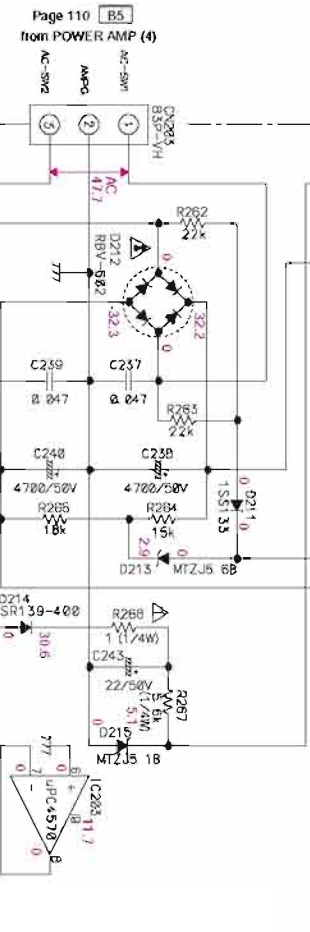
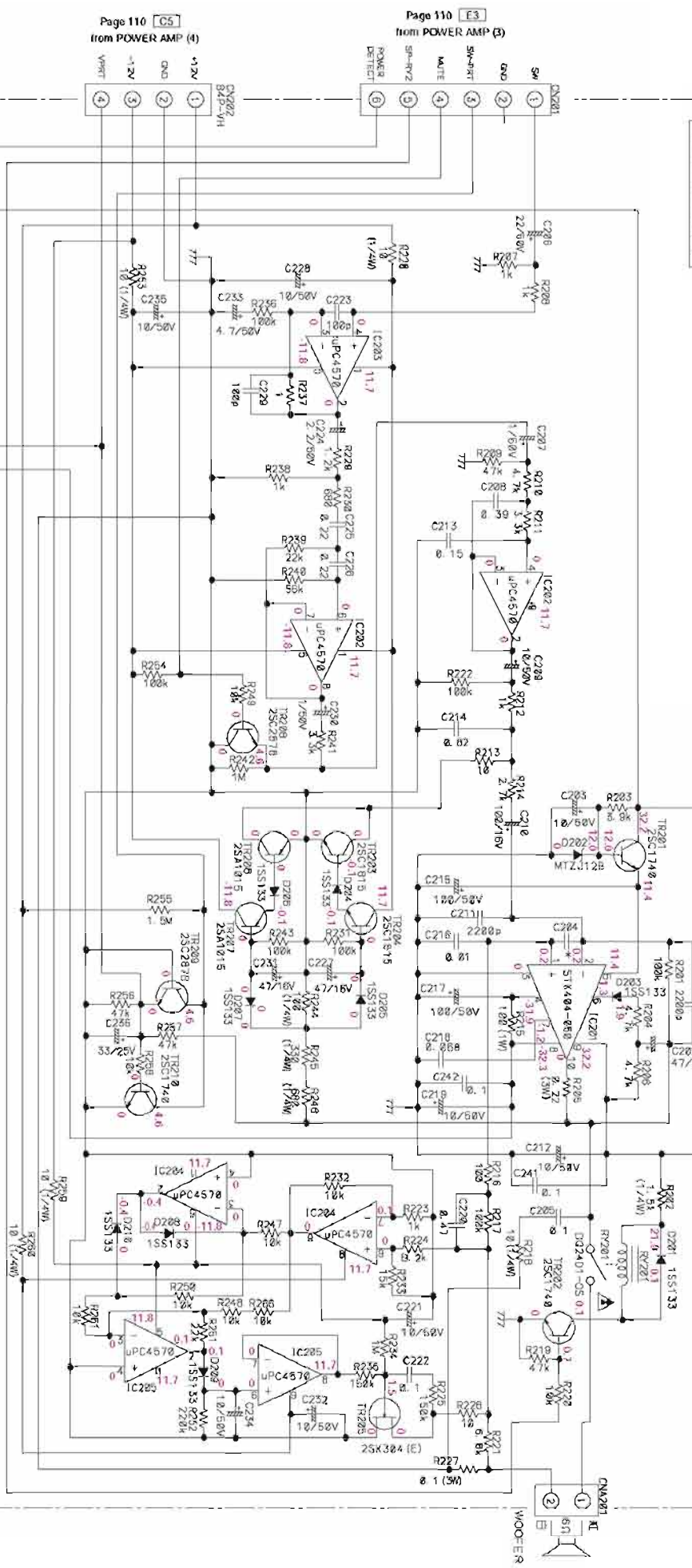


\* All voltages are measured with a 10MΩV DC electric voltmeter.  
 \* Components having special characteristics are marked Δ, and must be replaced with parts having specifications equal to those originally installed.  
 \* Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。  
 ● Δ印のある部品は、特殊な特性を有する部品であり、交換の際は同等の部品を必ず取り替えてください。  
 ● 本図面は仕様変更の可能性があります。交換の際は必ず最新図面をご確認ください。

■ SW-S100 SCHEMATIC DIAGRAM 2/3 (Woofer Amp Block)

POWER AMP(2)



- \* All voltages are measured with a 10kΩV DC electric voltmeter
- \* Components having special characteristics are marked Δ, and must be replaced with parts having specifications equal to those originally installed
- \* Schematic diagram is subject to change without notice.
- 電圧は、内蔵抵抗10kΩの電圧計で測定したものです。
- Δ印のある部品は、特殊な特性を有している部品であり、互換品が必須な場合があります。
- パーツリストに記載されている部品を使用してください。
- 本図面は機密情報です。変更のため予告なく変更することがあります。



# PARTS LIST

## ■ ELECTRICAL PARTS

### ■ WARNING

- Components having special characteristics are marked  $\triangle$  and must be replaced with parts having specifications equal to those originally installed.
- Carbon resistors (1/6W or 1/4W) are not included in the ELECTRICAL PARTS List. For the parts No. of the carbon resistors, refer to last page.
- $\triangle$ 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。
- 本機に使用しているカーボン抵抗は1/6Wまたは1/4Wです。このパーツリストには、記載しておりませんので、部品番号がHF45〇〇〇〇タイプまたは同等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.EMIT     | : LIGHT EMITTING MODULE        |
| C.CE        | : CERAMIC CAP                 | LED.DSPLY  | : LED DISPLAY                  |
| C.CE.ARRAY  | : CERAMIC CAP ARRAY           | LED.INFRD  | : LED,INFRARED                 |
| C.CE.CHP    | : CHIP CERAMIC CAP            | MODUL.RF   | : MODULATOR,RF                 |
| C.CE.ML     | : MULTILAYER CERAMIC CAP      | PHOT.CPL   | : PHOTO COUPLER                |
| C.CE.M.CHP  | : CHIP MULTILAYER CERAMIC CAP | PHOT.INTR  | : PHOTO INTERRUPTER            |
| C.CE.SAFETY | : RECOGNIZED CERAMIC CAP      | PHOT.RFLCT | : PHOTO REFLECTOR              |
| C.CE.TUBLR  | : CERAMIC TUBULAR CAP         | PIN.TEST   | : PIN,TEST POINT               |
| C.CE.SMI    | : SEMI CONDUCTIVE CERAMIC CAP | PLST.RIVET | : PLASTIC RIVET                |
| C.EL        | : 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 PAPER CAP        | R.CAR.FP   | : FLAME PROOF CARBON RESISTOR  |
| C.MYLAR     | : MYLAR FILM CAP              | R.FUS      | : FUSABLE RESISTOR             |
| C.MYLAR.ML  | : MULTILAYER MYLAR FILM 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.POLY      | : POLYETHYLENE FILM CAP       | RSNR.CE    | : CERAMIC RESONATOR            |
| C.PP        | : POLYPROPYLENE FILM CAP      | RSNR.CRYS  | : CRYSTAL RESONATOR            |
| C.TNTL      | : TANTALUM CAP                | R.TW.CEM   | : TWIN CEMENT FIXED RESISTOR   |
| C.TNTL.CHP  | : CHIP TANTALUM CAP           | R.WW       | : WIRE WOUND RESISTOR          |
| C.TRIM      | : TRIMMER CAP                 | SCR.BND.HD | : BIND HEAD B-TITE SCREW       |
| CN          | : CONNECTOR                   | SCR.BW.HD  | : BW HEAD TAPPING SCREW        |
| CN.BS.PIN   | : CONNECTOR,BASE PIN          | SCR.CUP    | : CUP TITE SCREW               |
| CN.CANNON   | : CONNECTOR,CANNON            | SCR.TERM   | : SCREW TERMINAL               |
| CN.DIN      | : CONNECTOR,DIN               | SCR.TR     | : SCREW,TRANSISTOR             |
| CN.FLAT     | : CONNECTOR,FLAT CABLE        | SUPRT.PCB  | : SUPPORT,P.C.B.               |
| CN.POST     | : CONNECTOR,BASE POST         | SURG.PRTCT | : SURGE PROTECTOR              |
| COIL.MX.AM  | : COIL,AM MIX                 | SW.TACT    | : TACT SWITCH                  |
| COIL.AT.FM  | : COIL,FM ANTENNA             | SW.LEAF    | : LEAF SWITCH                  |
| COIL.DT.FM  | : COIL,FM DETECT              | SW.LEVER   | : LEVER SWITCH                 |
| COIL.MX.FM  | : COIL,FM MIX                 | SW.MICRO   | : MICRO SWITCH                 |
| COIL.OUTPT  | : OUTPUT COIL                 | SW.PUSH    | : PUSH SWITCH                  |
| DIOD.ARRAY  | : DIODE ARRAY                 | SW.RT.ENC  | : ROTARY ENCODER               |
| DIODE.BRG   | : DIODE BRIDGE                | SW.RT.MTR  | : ROTARY SWITCH WITH MOTOR     |
| DIODE.CHP   | : CHIP DIODE                  | SW.RT      | : ROTARY SWITCH                |
| DIODE.VAR   | : VARACTOR DIODE              | SW.SLIDE   | : SLIDE SWITCH                 |
| DIOD.Z.CHP  | : CHIP ZENER DIODE            | TERM.SP    | : SPEAKER TERMINAL             |
| DIODE.ZENR  | : ZENER DIODE                 | TERM.WRAP  | : WRAPPING TERMINAL            |
| DSCR.CE     | : CERAMIC DISCRIMINATOR       | THRMST.CHP | : CHIP THERMISTOR              |
| FER.BEAD    | : FERRITE BEADS               | TR.CHP     | : CHIP TRANSISTOR              |
| FER.CORE    | : FERRITE CORE                | TR.DGT     | : DIGITAL TRANSISTOR           |
| FET.CHP     | : CHIP FET                    | TR.DGT.CHP | : CHIP DIGITAL TRANSISTOR      |
| FL.DSPLY    | : FLUORESCENT DISPLAY         | TRANS      | : TRANSFORMER                  |
| FLTR.CE     | : CERAMIC FILTER              | TRANS.PULS | : PULSE TRANSFORMER            |
| FLTR.COMB   | : COMB FILTER MODULE          | TRANS.PWR  | : POWER TRANSFORMER ASS'Y      |
| FLTR.LC.RF  | : LC FILTER,EMI               | TUNER.AM   | : TUNER PACK,AM                |
| GND.MTL     | : GROUND PLATE                | TUNER.FM   | : TUNER PACK,FM                |
| GND.TERM    | : GROUND TERMINAL             | TUNER.PK   | : FRONT-ENDTUNER PACK          |
| HOLDER.FUS  | : FUSE HOLDER                 | VR         | : ROTARY POTENTIOMETER         |
| IC.PRTCT    | : IC PROTECTOR                | VR.MTR     | : POTENTIOMETER WITH MOTOR     |
| JUMPER.CN   | : JUMPER CONNECTOR            | VR.SW      | : POTENTIOMETER WITH ROTARY SW |
| JUMPER.TST  | : JUMPER,TEST POINT           | VR.SLIDE   | : SLIDE POTENTIOMETER          |
| L.DTCT      | : LIGHT DETECTING MODULE      | VR.TRIM    | : TRIMMER POTENTIOMETER        |

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

## DVR-S100 P.C.B. DSP

| Schm Ref. | PART NO. | Description   | Remarks     | Markets | 部 品 名          | Rank |
|-----------|----------|---------------|-------------|---------|----------------|------|
|           | V8706300 | P. C. B.      | DSP         |         | J PCB DSP      |      |
|           | V8706400 | P. C. B.      | DSP         |         | UCRABG PCB DSP |      |
| CB601     | VB389900 | CN. BS. PIN   | 3P          |         | ベースピン          | 01   |
| CB602     | VQ048400 | CN            | 35P         |         | FFC コネクター      | 01   |
| C600      | US061220 | C. CE. M. CHP | 22pF 50V    |         | チップセラコン        | 01   |
| C601      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C602      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C605      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C606      | UR847220 | C. EL         | 22uF 25V    |         | ケミコン           | 01   |
| C607      | UR819100 | C. EL         | 1000uF 6.3V |         | ケミコン           | 01   |
| C608      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C609      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C610      | US061100 | C. CE. M. CHP | 10pF 50V    |         | チップセラコン        | 01   |
| C611      | US135100 | C. CE. CHP    | 0.1uF 16V   | J       | チップセラコン        | 01   |
| C612      | UR818100 | C. EL         | 100uF 6.3V  | J       | ケミコン           | 01   |
| C613      | US062220 | C. CE. CHP    | 220pF 50V   |         | チップセラコン        | 01   |
| C614      | US063100 | C. CE. M. CHP | 1000pF 50V  |         | チップセラコン        | 01   |
| C615      | US044220 | C. CE. M. CHP | 0.022uF 25V |         | チップセラコン        | 01   |
| C616      | UR818100 | C. EL         | 100uF 6.3V  | J       | ケミコン           | 01   |
| C617      | UR818100 | C. EL         | 100uF 6.3V  | J       | ケミコン           | 01   |
| C618      | US061330 | C. CE. M. CHP | 33pF 50V    |         | チップセラコン        | 01   |
| C619      | US135100 | C. CE. CHP    | 0.1uF 16V   | J       | チップセラコン        | 01   |
| C620      | US062100 | C. CE. M. CHP | 100pF 50V   | J       | チップセラコン        | 01   |
| C621      | US135100 | C. CE. CHP    | 0.1uF 16V   | J       | チップセラコン        | 01   |
| C622      | UR819100 | C. EL         | 1000uF 6.3V |         | ケミコン           | 01   |
| C623      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C626      | US063100 | C. CE. M. CHP | 1000pF 50V  |         | チップセラコン        | 01   |
| C627      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C628      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C629      | US061100 | C. CE. M. CHP | 10pF 50V    |         | チップセラコン        | 01   |
| C630      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C631      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C632      | UR819100 | C. EL         | 1000uF 6.3V |         | ケミコン           | 01   |
| C633      | UR818100 | C. EL         | 100uF 6.3V  | J       | ケミコン           | 01   |
| C634      | UR819100 | C. EL         | 1000uF 6.3V |         | ケミコン           | 01   |
| C635      | US135100 | C. CE. CHP    | 0.1uF 16V   | J       | チップセラコン        | 01   |
| C636      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C637      | UR818100 | C. EL         | 100uF 6.3V  |         | ケミコン           | 01   |
| C638      | UR819100 | C. EL         | 1000uF 6.3V |         | ケミコン           | 01   |
| C639      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C640      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C641      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C642      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C643      | UR818470 | C. EL         | 470uF 6.3V  |         | ケミコン           | 01   |
| C644      | UR818100 | C. EL         | 100uF 6.3V  |         | ケミコン           | 01   |
| C645      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C646      | US061330 | C. CE. M. CHP | 33pF 50V    |         | チップセラコン        | 01   |
| C647      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C648      | US061330 | C. CE. M. CHP | 33pF 50V    |         | チップセラコン        | 01   |
| C649      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | チップセラコン        | 01   |
| C650      | UR818470 | C. EL         | 470uF 6.3V  |         | ケミコン           | 01   |
| C651      | US062470 | C. CE. M. CHP | 470pF 50V   |         | チップセラコン        | 01   |
| C652      | US135100 | C. CE. CHP    | 0.1uF 16V   | J       | チップセラコン        | 01   |

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



## DVR-S100 P.C.B. DSP

| Schm Ref. | PART NO. | Description   | Remarks     | Markets | 部 品 名 | Rank    |    |
|-----------|----------|---------------|-------------|---------|-------|---------|----|
| C653      | UR818100 | C. EL         | 100uF 6.3V  |         | J     | ケミコン    | 01 |
| C654      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C656      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C657      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C658      | US061470 | C. CE. M. CHP | 47pF 50V    |         | J     | チップセラコン | 01 |
| C660      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | J     | チップセラコン | 01 |
| C661      | US061470 | C. CE. M. CHP | 47pF 50V    |         | J     | チップセラコン | 01 |
| C663      | US061470 | C. CE. M. CHP | 47pF 50V    |         | J     | チップセラコン | 01 |
| C664      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C665      | UR818100 | C. EL         | 100uF 6.3V  |         |       | ケミコン    | 01 |
| C666      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C667      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C668      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C669      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C670      | US063470 | C. CE. CHP    | 4700pF 50V  |         |       | チップセラコン | 01 |
| C671      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | J     | チップセラコン | 01 |
| C672      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | J     | チップセラコン | 01 |
| C673      | UR818100 | C. EL         | 100uF 6.3V  |         | J     | ケミコン    | 01 |
| C674      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C675      | UR818100 | C. EL         | 100uF 6.3V  |         | J     | ケミコン    | 01 |
| C676      | UR818100 | C. EL         | 100uF 6.3V  |         | J     | ケミコン    | 01 |
| C677      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | J     | チップセラコン | 01 |
| C678      | US063470 | C. CE. CHP    | 4700pF 50V  |         |       | チップセラコン | 01 |
| C679      | UR818100 | C. EL         | 100uF 6.3V  |         |       | ケミコン    | 01 |
| C680      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C681      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C682      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | J     | チップセラコン | 01 |
| C683      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | J     | チップセラコン | 01 |
| C684      | UR817470 | C. EL         | 47uF 6.3V   |         | J     | ケミコン    | 01 |
| C685      | UR866220 | C. EL         | 2.2uF 50V   |         | J     | ケミコン    | 01 |
| C686      | UR818100 | C. EL         | 100uF 6.3V  |         | J     | ケミコン    | 01 |
| C687      | UR818100 | C. EL         | 100uF 6.3V  |         | J     | ケミコン    | 01 |
| C688      | UR818100 | C. EL         | 100uF 6.3V  |         |       | ケミコン    | 01 |
| C689      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C690      | UR819100 | C. EL         | 1000uF 6.3V |         |       | ケミコン    | 01 |
| C691      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C692      | US064100 | C. CE. M. CHP | 0.01uF 50V  |         | J     | チップセラコン | 01 |
| C693      | US062470 | C. CE. M. CHP | 470pF 50V   |         | J     | チップセラコン | 01 |
| C694      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C695      | UR819100 | C. EL         | 1000uF 6.3V |         |       | ケミコン    | 01 |
| C696      | US135100 | C. CE. CHP    | 0.1uF 16V   |         | J     | チップセラコン | 01 |
| C697      | UR818100 | C. EL         | 100uF 6.3V  |         | J     | ケミコン    | 01 |
| C698      | US135100 | C. CE. CHP    | 0.1uF 16V   |         |       | チップセラコン | 01 |
| C699      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C700      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C701      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C702      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C703      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C704      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C705      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C706      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C707      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |
| C708      | US061470 | C. CE. M. CHP | 47pF 50V    |         |       | チップセラコン | 01 |

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

DVR-S100/NX-SW100

## DVR-S100 P.C.B. DSP

| Schm Ref. | PART NO. | Description   | Remarks    | Markets | 部 品 名   | Rank |
|-----------|----------|---------------|------------|---------|---------|------|
| C709      | US061470 | C. CE. M. CHP | 47pF 50V   |         | チップセラコン | 01   |
| C710      | US061470 | C. CE. M. CHP | 47pF 50V   |         | チップセラコン | 01   |
| C711      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C712      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C713      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C714      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C715      | UU118100 | C. EL         | 100uF 6.3V |         | ケミコン    | 01   |
| C716      | UU118100 | C. EL         | 100uF 6.3V |         | ケミコン    | 01   |
| C717      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C718      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C719      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C720      | UU166220 | C. EL         | 2.2uF 50V  |         | ケミコン    | 01   |
| C721      | UU128100 | C. EL         | 100uF 10V  |         | ケミコン    | 01   |
| C730      | UA653150 | C. MYLAR      | 1500pF 50V |         | マイラーコン  | 01   |
| C731      | UA653150 | C. MYLAR      | 1500pF 50V |         | マイラーコン  | 01   |
| C736      | UA652100 | C. MYLAR      | 100pF 50V  |         | マイラーコン  | 01   |
| C737      | UA652100 | C. MYLAR      | 100pF 50V  |         | マイラーコン  | 01   |
| C742      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C743      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C744      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C745      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C746      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C747      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C756      | UA652100 | C. MYLAR      | 100pF 50V  |         | マイラーコン  | 01   |
| C757      | UA652100 | C. MYLAR      | 100pF 50V  |         | マイラーコン  | 01   |
| C758      | UA652470 | C. MYLAR      | 470pF 50V  |         | マイラーコン  | 01   |
| C759      | UA652470 | C. MYLAR      | 470pF 50V  |         | マイラーコン  | 01   |
| C760      | UA652470 | C. MYLAR      | 470pF 50V  |         | マイラーコン  | 01   |
| C761      | UA652470 | C. MYLAR      | 470pF 50V  |         | マイラーコン  | 01   |
| C762      | UA652470 | C. MYLAR      | 470pF 50V  |         | マイラーコン  | 01   |
| C763      | UA652470 | C. MYLAR      | 470pF 50V  |         | マイラーコン  | 01   |
| C764      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C765      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C766      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C767      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C768      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C769      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C770      | UU147100 | C. EL         | 10uF 25V   |         | ケミコン    | 01   |
| C771      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C772      | UU137220 | C. EL         | 22uF 16V   |         | ケミコン    | 01   |
| C773      | UU137220 | C. EL         | 22uF 16V   |         | ケミコン    | 01   |
| C774      | UU137470 | C. EL         | 47uF 16V   |         | ケミコン    | 01   |
| C775      | UU137470 | C. EL         | 47uF 16V   |         | ケミコン    | 01   |
| C776      | UU137470 | C. EL         | 47uF 16V   |         | ケミコン    | 01   |
| C777      | UU137470 | C. EL         | 47uF 16V   |         | ケミコン    | 01   |
| C778      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C779      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C780      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C781      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C791      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C793      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C794      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |
| C795      | US135100 | C. CE. CHP    | 0.1uF 16V  |         | チップセラコン | 01   |

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

## DVR-S100 P.C.B. DSP

| Schm Ref. | PART NO. | Description  | Remarks            | Markets | 部 品 名       | Rank |
|-----------|----------|--------------|--------------------|---------|-------------|------|
| D600      | VT332900 | DIODE        | 1SS355             |         | ダイオード       | 01   |
| D601      | VT332900 | DIODE        | 1SS355             |         | ダイオード       | 01   |
| D602      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D603      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D604      | VT332900 | DIODE        | 1SS355             |         | ダイオード       | 01   |
| D605      | VT332900 | DIODE        | 1SS355             |         | ダイオード       | 01   |
| D606      | VT332900 | DIODE        | 1SS355             |         | ダイオード       | 01   |
| D607      | VT332900 | DIODE        | 1SS355             |         | ダイオード       | 01   |
| D608      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D609      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D610      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D611      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D612      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D613      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D614      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| D615      | VV220700 | DIODE. SHOT  | RB501V-40          |         | ショットキーダイオード | 01   |
| * G601    | V8880000 | TERM. GND    | M3.5 RJP9899       |         | アース端子       |      |
| * G602    | V8880000 | TERM. GND    | M3.5 RJP9899       |         | アース端子       |      |
| * G603    | V8880000 | TERM. GND    | M3.5 RJP9899       |         | アース端子       |      |
| IC600     | X0238B00 | IC           | YSS938             |         | IC          |      |
| IC601     | XV077A00 | IC           | MSM514260C-60JS    |         | メモリ IC 4M   | 07   |
| IC602     | XZ003A00 | IC           | PQ025EZ5MZP 2.5V   |         | 電源 IC QFP   | 03   |
| IC603     | XU965A00 | IC           | uPC29M33T-E1 3.3V  |         | 電源 IC       | 03   |
| IC604     | X0202A00 | IC           | CS493292-CLR       | J       | IC          |      |
| IC605     | XR038A00 | IC           | NJM2904M OP AMP    |         | IC          | 01   |
| IC606     | XY120A00 | IC           | TC74HCT00AF(EL) NA |         | ロジック IC SOP | 01   |
| IC607     | XD598A00 | IC           | TC74HCU04AFEL INV  |         | ロジック IC     | 01   |
| IC608     | XW433A00 | IC           | CY62256LL-70SNCT   | J       | メモリ IC 256K | 05   |
| IC609     | X0318C00 | IC           | XC9572XL-10TQ100C  | J       | IC          | 08   |
| IC610     | XZ012A00 | IC           | TC74HCT08AF(EL)    |         | ロジック IC SOP | 01   |
| IC614     | X0237A00 | IC           | AK4527BVQ          |         | IC          |      |
| IC617     | XF291A00 | IC           | uPC4570G2          |         | IC          | 03   |
| IC618     | XF291A00 | IC           | uPC4570G2          |         | IC          | 03   |
| IC619     | XF291A00 | IC           | uPC4570G2          |         | IC          | 03   |
| IC620     | XF291A00 | IC           | uPC4570G2          |         | IC          | 03   |
| IC621     | XF291A00 | IC           | uPC4570G2          |         | IC          | 03   |
| L600      | V2726500 | COIL         | 68uH               |         | コイル         | 01   |
| PJ600     | V4483900 | JACK. PIN    | YKC21-3895         |         | ピンジャック 1P   |      |
| R613      | HV753220 | R. CAR. FP   | 2.2Ω 1/4W          |         | 不燃化カーボン抵抗   | 01   |
| R661      | HV753220 | R. CAR. FP   | 2.2Ω 1/4W          | J       | 不燃化カーボン抵抗   | 01   |
| R684      | HV753220 | R. CAR. FP   | 2.2Ω 1/4W          |         | 不燃化カーボン抵抗   | 01   |
| R692      | HV753100 | R. CAR. FP   | 1Ω 1/4W            |         | 不燃化カーボン抵抗   | 01   |
| R693      | HV753100 | R. CAR. FP   | 1Ω 1/4W            |         | 不燃化カーボン抵抗   | 01   |
| R694      | VU224000 | R. MTL. FLM  | 0.22Ω 1W           |         | 金属被膜抵抗      | 01   |
| R717      | HV753220 | R. CAR. FP   | 2.2Ω 1/4W          |         | 不燃化カーボン抵抗   | 01   |
| R730      | HV753220 | R. CAR. FP   | 2.2Ω 1/4W          |         | 不燃化カーボン抵抗   | 01   |
| R777      | HV753220 | R. CAR. FP   | 2.2Ω 1/4W          | J       | 不燃化カーボン抵抗   | 01   |
| U600      | V6022800 | CN. FBRLINK  | 1P GP1FA551TZ      |         | 光ファイバデータリンク | 03   |
| U601      | V5478200 | CN. PHOT. SN | 1P GP1FA551RZ      |         | 光ファイバ受信器    | 06   |
| XL600     | V3625700 | RSNR. CRYST  | 24.576MHz          |         | 水晶振動子       | 03   |

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

## DVR-S100 P.C.B. MAIN

| Schm Ref. | PART NO. | Description   | Remarks    | Markets | 部 品 名       | Rank |
|-----------|----------|---------------|------------|---------|-------------|------|
| *         | V8943700 | P. C. B.      | MAIN       | J       | P C B メイン   |      |
| *         | V8943800 | P. C. B.      | MAIN       | UC      | P C B メイン   |      |
| *         | V8943900 | P. C. B.      | MAIN       | R       | P C B メイン   |      |
| *         | V8944000 | P. C. B.      | MAIN       | A       | P C B メイン   |      |
| *         | V8944100 | P. C. B.      | MAIN       | BG      | P C B メイン   |      |
| CB1       | V8090900 | CN            | 26P TE     |         | コネクタープラグ    | 03   |
| CB2       | V6088600 | CN            | 22P TE     |         | コネクタープラグ    | 03   |
| CB3       | VQ047500 | CN. BS. PIN   | 20P        |         | F F Cコネクター  | 01   |
| CB4       | VM859600 | CN. BS. PIN   | 15P        |         | F F Cコネクター  | 01   |
| CB5       | VQ048400 | CN            | 35P        |         | F F C コネクター | 01   |
| CB6       | VQ963500 | CN. BS. PIN   | 14P        |         | ウエハー        | 03   |
| CB7       | VB389900 | CN. BS. PIN   | 3P         |         | ベースピン       | 01   |
| CB8       | VN773600 | CN. BS. PIN   | 28P        |         | F F Cコネクター  | 02   |
| CB9       | VM859600 | CN. BS. PIN   | 15P        |         | F F Cコネクター  | 01   |
| CB11      | VQ963500 | CN. BS. PIN   | 14P        |         | ウエハー        | 03   |
| CB13      | VL845500 | CN. BS. PIN   | 11P TE     |         | ベースツキポスト    | 01   |
| CB14      | VK024800 | CN. BS. PIN   | 4P         |         | ワイヤートラップ    | 01   |
| CB15      | VB390100 | CN. BS. PIN   | 5P         |         | ベースピン       | 01   |
| CB300     | VQ044400 | CN. BS. PIN   | 9P         |         | F F Cコネクター  | 01   |
| CB301     | VQ045000 | CN. BS. PIN   | 20P        |         | F F Cコネクター  | 01   |
| CB304     | VB858800 | CN. BS. PIN   | 9P         |         | ベースピン       | 01   |
| C1        | US062220 | C. CE. CHP    | 220pF 50V  |         | チップセラコン     | 01   |
| C2        | US062220 | C. CE. CHP    | 220pF 50V  |         | チップセラコン     | 01   |
| C3        | US062220 | C. CE. CHP    | 220pF 50V  |         | チップセラコン     | 01   |
| C4        | US062220 | C. CE. CHP    | 220pF 50V  |         | チップセラコン     | 01   |
| C5        | US062220 | C. CE. CHP    | 220pF 50V  |         | チップセラコン     | 01   |
| C6        | US062220 | C. CE. CHP    | 220pF 50V  |         | チップセラコン     | 01   |
| C7        | US062220 | C. CE. CHP    | 220pF 50V  |         | チップセラコン     | 01   |
| C8        | US062220 | C. CE. CHP    | 220pF 50V  |         | チップセラコン     | 01   |
| C9        | US062470 | C. CE. M. CHP | 470pF 50V  |         | チップセラコン     | 01   |
| C10       | US062470 | C. CE. M. CHP | 470pF 50V  |         | チップセラコン     | 01   |
| C11       | US062470 | C. CE. M. CHP | 470pF 50V  |         | チップセラコン     | 01   |
| C12       | US062470 | C. CE. M. CHP | 470pF 50V  |         | チップセラコン     | 01   |
| C13       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C14       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C15       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C16       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C18       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C19       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C20       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C21       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C23       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C24       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C25       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C26       | US062100 | C. CE. M. CHP | 100pF 50V  |         | チップセラコン     | 01   |
| C27       | UR837470 | C. EL         | 47uF 16V   |         | ケミコン        | 01   |
| C28       | UR837470 | C. EL         | 47uF 16V   |         | ケミコン        | 01   |
| C29       | UR837470 | C. EL         | 47uF 16V   |         | ケミコン        | 01   |
| C30       | UR837470 | C. EL         | 47uF 16V   |         | ケミコン        | 01   |
| C31       | UR837470 | C. EL         | 47uF 16V   |         | ケミコン        | 01   |
| C32       | UR837470 | C. EL         | 47uF 16V   |         | ケミコン        | 01   |
| C33       | UR837470 | C. EL         | 47uF 16V   |         | ケミコン        | 01   |
| C34       | US145100 | C. CE. CHP    | 0. 1uF 25V | BG      | チップセラ (F    | 01   |

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

## DVR-S100 P.C.B. MAIN

| Schm Ref. | PART NO. | Description   | Remarks      | Markets | 部 品 名     | Rank |
|-----------|----------|---------------|--------------|---------|-----------|------|
| C35       | UR837220 | C. EL         | 22uF 16V     |         | ケミコン      | 01   |
| C36       | UR837220 | C. EL         | 22uF 16V     |         | ケミコン      | 01   |
| C37       | US145100 | C. CE. CHP    | 0. 1uF 25V   |         | チップセラ (F) | 01   |
| C38       | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C39       | US062330 | C. CE. M. CHP | 330pF 50V    | BG      | チップセラコン   | 01   |
| C40       | UA652100 | C. MYLAR      | 100pF 50V    |         | マイラーコン    | 01   |
| C41       | UA652100 | C. MYLAR      | 100pF 50V    |         | マイラーコン    | 01   |
| C42       | UA652100 | C. MYLAR      | 100pF 50V    |         | マイラーコン    | 01   |
| C43       | UA652100 | C. MYLAR      | 100pF 50V    |         | マイラーコン    | 01   |
| C44       | UR838100 | C. EL         | 100uF 16V    |         | ケミコン      | 01   |
| C45       | UR838100 | C. EL         | 100uF 16V    |         | ケミコン      | 01   |
| C46       | UR838100 | C. EL         | 100uF 16V    |         | ケミコン      | 01   |
| C47       | UA652100 | C. MYLAR      | 100pF 50V    |         | マイラーコン    | 01   |
| C48       | UR838100 | C. EL         | 100uF 16V    |         | ケミコン      | 01   |
| C49       | UR838100 | C. EL         | 100uF 16V    |         | ケミコン      | 01   |
| C50       | UR838100 | C. EL         | 100uF 16V    |         | ケミコン      | 01   |
| C51       | UA652100 | C. MYLAR      | 100pF 50V    |         | マイラーコン    | 01   |
| C52       | UA652100 | C. MYLAR      | 100pF 50V    |         | マイラーコン    | 01   |
| C53       | UR838100 | C. EL         | 100uF 16V    |         | ケミコン      | 01   |
| C54       | UR837470 | C. EL         | 47uF 16V     | BG      | ケミコン      | 01   |
| C55       | US062330 | C. CE. M. CHP | 330pF 50V    | BG      | チップセラコン   | 01   |
| C56       | UR837470 | C. EL         | 47uF 16V     | BG      | ケミコン      | 01   |
| C57       | US145100 | C. CE. CHP    | 0. 1uF 25V   |         | チップセラ (F) | 01   |
| C58       | US061270 | C. CE. M. CHP | 27pF 50V     | BG      | チップセラコン   | 01   |
| C59       | UA653100 | C. MYLAR      | 1000pF 50V   |         | マイラーコン    | 03   |
| C60       | US145100 | C. CE. CHP    | 0. 1uF 25V   |         | チップセラ (F) | 01   |
| C61       | US145100 | C. CE. CHP    | 0. 1uF 25V   |         | チップセラ (F) | 01   |
| C62       | UA653100 | C. MYLAR      | 1000pF 50V   |         | マイラーコン    | 03   |
| C63       | UA653100 | C. MYLAR      | 1000pF 50V   |         | マイラーコン    | 03   |
| C64       | UR819100 | C. EL         | 1000uF 6. 3V |         | ケミコン      | 01   |
| C65       | UA652820 | C. MYLAR      | 820pF 50V    |         | マイラーコン    | 01   |
| C66       | UA652820 | C. MYLAR      | 820pF 50V    |         | マイラーコン    | 01   |
| C67       | UA653100 | C. MYLAR      | 1000pF 50V   |         | マイラーコン    | 03   |
| C68       | UA653100 | C. MYLAR      | 1000pF 50V   |         | マイラーコン    | 03   |
| C69       | UA653150 | C. MYLAR      | 1500pF 50V   |         | マイラーコン    | 01   |
| C70       | VV307600 | C. EL         | 47uF 10V     |         | ケミコン      | 03   |
| C71       | US064100 | C. CE. M. CHP | 0. 01uF 50V  |         | チップセラコン   | 01   |
| C72       | VR193400 | C. OS         | 10uF 25V     |         | OSコン      | 03   |
| C73       | UR848100 | C. EL         | 100uF 25V    |         | ケミコン      | 01   |
| C74       | UR847100 | C. EL         | 10uF 25V     |         | ケミコン      | 01   |
| C75       | UR847100 | C. EL         | 10uF 25V     |         | ケミコン      | 01   |
| C76       | US061270 | C. CE. M. CHP | 27pF 50V     | BG      | チップセラコン   | 01   |
| C77       | US145100 | C. CE. CHP    | 0. 1uF 25V   | BG      | チップセラ (F) | 01   |
| C78       | UR838470 | C. EL         | 470uF 16V    |         | ケミコン      | 01   |
| C79       | UR837470 | C. EL         | 47uF 16V     | BG      | ケミコン      | 01   |
| C81       | UA652100 | C. MYLAR      | 100pF 50V    |         | マイラーコン    | 01   |
| C82       | UR847100 | C. EL         | 10uF 25V     |         | ケミコン      | 01   |
| C83       | UR847100 | C. EL         | 10uF 25V     |         | ケミコン      | 01   |
| C89       | UR838100 | C. EL         | 100uF 16V    |         | ケミコン      | 01   |
| C91       | US145100 | C. CE. CHP    | 0. 1uF 25V   |         | チップセラ (F) | 01   |
| C92       | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C93       | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C94       | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |

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

DVR-S100/NX-SW100

## DVR-S100 P.C.B. MAIN

| Schm Ref. | PART NO. | Description   | Remarks | Markets | 部 品 名 | Rank      |    |
|-----------|----------|---------------|---------|---------|-------|-----------|----|
| C95       | UR837470 | C. EL         | 47uF    | 16V     |       | ケミコン      | 01 |
| C96       | UR837470 | C. EL         | 47uF    | 16V     |       | ケミコン      | 01 |
| C97       | UR837470 | C. EL         | 47uF    | 16V     |       | ケミコン      | 01 |
| C98       | UR837470 | C. EL         | 47uF    | 16V     |       | ケミコン      | 01 |
| C99       | UR837470 | C. EL         | 47uF    | 16V     |       | ケミコン      | 01 |
| C100      | US145100 | C. CE. CHP    | 0. 1uF  | 25V     |       | チップセラ (F) | 01 |
| C101      | US145100 | C. CE. CHP    | 0. 1uF  | 25V     |       | チップセラ (F) | 01 |
| C102      | UM397220 | C. EL         | 22uF    | 25V     |       | ケミコン      | 01 |
| C103      | US145100 | C. CE. CHP    | 0. 1uF  | 25V     |       | チップセラ (F) | 01 |
| C104      | US145100 | C. CE. CHP    | 0. 1uF  | 25V     |       | チップセラ (F) | 01 |
| C106      | US145100 | C. CE. CHP    | 0. 1uF  | 25V     |       | チップセラ (F) | 01 |
| C107      | US145100 | C. CE. CHP    | 0. 1uF  | 25V     |       | チップセラ (F) | 01 |
| C108      | UM416100 | C. EL         | 1uF     | 50V     |       | ケミコン      | 01 |
| C109      | US145100 | C. CE. CHP    | 0. 1uF  | 25V     |       | チップセラ (F) | 01 |
| C110      | UR819100 | C. EL         | 1000uF  | 6. 3V   |       | ケミコン      | 01 |
| C111      | UM407100 | C. EL         | 10uF    | 50V     |       | ケミコン      | 01 |
| C112      | UM416220 | C. EL         | 2. 2uF  | 50V     |       | ケミコン      | 01 |
| C113      | UR866470 | C. EL         | 4. 7uF  | 50V     |       | ケミコン      | 01 |
| C114      | UR818470 | C. EL         | 470uF   | 6. 3V   |       | ケミコン      | 01 |
| C115      | UR866470 | C. EL         | 4. 7uF  | 50V     |       | ケミコン      | 01 |
| C116      | US145100 | C. CE. CHP    | 0. 1uF  | 25V     |       | チップセラ (F) | 01 |
| C117      | V6267300 | C. AL         | 15uF    | 6. 3V   |       | 固体アルミコン   | 01 |
| C118      | US064100 | C. CE. M. CHP | 0. 01uF | 50V     |       | チップセラコン   | 01 |
| C119      | UR838100 | C. EL         | 100uF   | 16V     |       | ケミコン      | 01 |
| C120      | UR837470 | C. EL         | 47uF    | 16V     |       | ケミコン      | 01 |
| C121      | US135100 | C. CE. CHP    | 0. 1uF  | 16V     |       | チップセラコン   | 01 |
| C122      | UR818470 | C. EL         | 470uF   | 6. 3V   |       | ケミコン      | 01 |
| C123      | UR838100 | C. EL         | 100uF   | 16V     |       | ケミコン      | 01 |
| C124      | UR848100 | C. EL         | 100uF   | 25V     |       | ケミコン      | 01 |
| C125      | UR848100 | C. EL         | 100uF   | 25V     |       | ケミコン      | 01 |
| C126      | UR848100 | C. EL         | 100uF   | 25V     |       | ケミコン      | 01 |
| C127      | UR848100 | C. EL         | 100uF   | 25V     |       | ケミコン      | 01 |
| C129      | UR867470 | C. EL         | 47uF    | 50V     |       | ケミコン      | 01 |
| C130      | US135330 | C. CE. CHP    | 0. 33uF | 16V     |       | チップセラ (F) | 01 |
| C131      | US135330 | C. CE. CHP    | 0. 33uF | 16V     |       | チップセラ (F) | 01 |
| C132      | V6267200 | C. AL         | 10uF    | 10V     |       | 固体アルミコン   | 01 |
| C134      | UR867470 | C. EL         | 47uF    | 50V     |       | ケミコン      | 01 |
| C135      | UR837470 | C. EL         | 47uF    | 16V     |       | ケミコン      | 01 |
| C136      | UR828100 | C. EL         | 100uF   | 10V     |       | ケミコン      | 01 |
| C137      | US135330 | C. CE. CHP    | 0. 33uF | 16V     |       | チップセラ (F) | 01 |
| C138      | US135330 | C. CE. CHP    | 0. 33uF | 16V     |       | チップセラ (F) | 01 |
| C139      | US135100 | C. CE. CHP    | 0. 1uF  | 16V     |       | チップセラコン   | 01 |
| C140      | UR837100 | C. EL         | 10uF    | 16V     |       | ケミコン      | 01 |
| C141      | UR837100 | C. EL         | 10uF    | 16V     |       | ケミコン      | 01 |
| C142      | UR837100 | C. EL         | 10uF    | 16V     |       | ケミコン      | 01 |
| C143      | UR837100 | C. EL         | 10uF    | 16V     |       | ケミコン      | 01 |
| C144      | UR838100 | C. EL         | 100uF   | 16V     |       | ケミコン      | 01 |
| C145      | UR878100 | C. EL         | 100uF   | 63V     |       | ケミコン      | 01 |
| C146      | UN865470 | C. EL         | 0. 47uF | 50V     |       | BPケミコン    | 01 |
| C147      | UR749220 | C. EL         | 2200uF  | 25V     |       | ケミコン      | 03 |
| C148      | UR749220 | C. EL         | 2200uF  | 25V     |       | ケミコン      | 03 |
| C149      | UR749220 | C. EL         | 2200uF  | 25V     |       | ケミコン      | 03 |
| C150      | UR749220 | C. EL         | 2200uF  | 25V     |       | ケミコン      | 03 |

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

## DVR-S100 P.C.B. MAIN

| Schm Ref. | PART NO. | Description   | Remarks | Markets | 部 品 名 | Rank       |    |
|-----------|----------|---------------|---------|---------|-------|------------|----|
| C151      | UR749680 | C. EL         | 6800uF  | 25V     |       | ケミコン       | 03 |
| C152      | UR729680 | C. EL         | 6800uF  | 10V     |       | ケミコン       |    |
| C153      | UR73A100 | C. EL         | 10000uF | 16V     |       | ケミコン       | 03 |
| C154      | UR749470 | C. EL         | 4700uF  | 25V     |       | ケミコン       | 05 |
| C159      | UA655180 | C. MYLAR      | 0.18uF  | 50V     |       | マイラーコン     | 01 |
| C160      | UA654100 | C. MYLAR      | 0.01uF  | 50V     |       | マイラーコン     | 01 |
| C166      | US145100 | C. CE. CHP    | 0.1uF   | 25V     |       | チップセラ (F)  | 01 |
| C167      | US145100 | C. CE. CHP    | 0.1uF   | 25V     |       | チップセラ (F)  | 01 |
| C168      | UA655150 | C. MYLAR      | 0.15uF  | 50V     |       | マイラーコン     | 01 |
| C169      | UR837100 | C. EL         | 10uF    | 16V     |       | ケミコン       | 01 |
| C170      | UR837100 | C. EL         | 10uF    | 16V     |       | ケミコン       | 01 |
| C171      | UR846470 | C. EL         | 4.7uF   | 25V     |       | ケミコン       | 01 |
| C172      | UR846470 | C. EL         | 4.7uF   | 25V     |       | ケミコン       | 01 |
| C176      | UR838100 | C. EL         | 100uF   | 16V     |       | ケミコン       | 01 |
| C177      | US061470 | C. CE. M. CHP | 47pF    | 50V     |       | チップセラコン    | 01 |
| C178      | US061470 | C. CE. M. CHP | 47pF    | 50V     |       | チップセラコン    | 01 |
| C179      | UA654470 | C. MYLAR      | 0.047uF | 50V     |       | マイラーコン     | 01 |
| C180      | UA654470 | C. MYLAR      | 0.047uF | 50V     |       | マイラーコン     | 01 |
| C181      | UA654100 | C. MYLAR      | 0.01uF  | 50V     |       | マイラーコン     | 01 |
| C182      | UA654100 | C. MYLAR      | 0.01uF  | 50V     |       | マイラーコン     | 01 |
| C183      | UA654100 | C. MYLAR      | 0.01uF  | 50V     |       | マイラーコン     | 01 |
| C184      | UA654100 | C. MYLAR      | 0.01uF  | 50V     |       | マイラーコン     | 01 |
| C185      | UA654100 | C. MYLAR      | 0.01uF  | 50V     |       | マイラーコン     | 01 |
| C186      | UA654100 | C. MYLAR      | 0.01uF  | 50V     |       | マイラーコン     | 01 |
| C187      | UA654100 | C. MYLAR      | 0.01uF  | 50V     |       | マイラーコン     | 01 |
| C189      | UR867470 | C. EL         | 47uF    | 50V     |       | ケミコン       | 01 |
| C190      | US145100 | C. CE. CHP    | 0.1uF   | 25V     |       | チップセラ (F)  | 01 |
| C191      | US145100 | C. CE. CHP    | 0.1uF   | 25V     |       | チップセラ (F)  | 01 |
| C194      | UR838470 | C. EL         | 470uF   | 16V     |       | ケミコン       | 01 |
| C195      | UR838470 | C. EL         | 470uF   | 16V     |       | ケミコン       | 01 |
| C196      | UN865470 | C. EL         | 0.47uF  | 50V     |       | B Pケミコン    | 01 |
| C197      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C198      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C199      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C200      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C203      | US062470 | C. CE. M. CHP | 470pF   | 50V     |       | チップセラコン    | 01 |
| C204      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C205      | UA652100 | C. MYLAR      | 100pF   | 50V     |       | マイラーコン     | 01 |
| C206      | UA652100 | C. MYLAR      | 100pF   | 50V     |       | マイラーコン     | 01 |
| C207      | UA652100 | C. MYLAR      | 100pF   | 50V     |       | マイラーコン     | 01 |
| C208      | UA652100 | C. MYLAR      | 100pF   | 50V     |       | マイラーコン     | 01 |
| C209      | UA652100 | C. MYLAR      | 100pF   | 50V     |       | マイラーコン     | 01 |
| C210      | UA652100 | C. MYLAR      | 100pF   | 50V     |       | マイラーコン     | 01 |
| C211      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C212      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C213      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C214      | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン    | 01 |
| C216      | US145100 | C. CE. CHP    | 0.1uF   | 25V     |       | チップセラ (F)  | 01 |
| C217      | UR838100 | C. EL         | 100uF   | 16V     |       | ケミコン       | 01 |
| C218      | UR838100 | C. EL         | 100uF   | 16V     |       | ケミコン       | 01 |
| C219      | VR357400 | C. EL         | 4700uF  | 5.5V    |       | バックアップケミコン | 02 |
| C220      | V7409000 | C. EL         | 180uF   | 16V     |       | ケミコン       |    |
| C221      | V7409000 | C. EL         | 180uF   | 16V     |       | ケミコン       |    |

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

DVR-S100/NX-SW100

## DVR-S100 P.C.B. MAIN

| Schm Ref. | PART NO. | Description   | Remarks      | Markets | 部 品 名     | Rank |
|-----------|----------|---------------|--------------|---------|-----------|------|
| C222      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C223      | US062100 | C. CE. M. CHP | 100pF 50V    | BG      | チップセラコン   | 01   |
| C224      | US145100 | C. CE. CHP    | 0. 1uF 25V   |         | チップセラ (F) | 01   |
| C225      | US145100 | C. CE. CHP    | 0. 1uF 25V   |         | チップセラ (F) | 01   |
| C226      | V6295600 | C. EL         | 330uF 6. 3V  |         | ケミコン K S  | 01   |
| C227      | V6295600 | C. EL         | 330uF 6. 3V  |         | ケミコン K S  | 01   |
| C228      | VR193400 | C. OS         | 10uF 25V     |         | OSコン      | 03   |
| C229      | VR193400 | C. OS         | 10uF 25V     |         | OSコン      | 03   |
| C230      | US061470 | C. CE. M. CHP | 47pF 50V     | BG      | チップセラコン   | 01   |
| C231      | US061470 | C. CE. M. CHP | 47pF 50V     | BG      | チップセラコン   | 01   |
| C300      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C301      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C302      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C303      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C304      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C305      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C306      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C307      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C308      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C309      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C310      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C311      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C312      | UR837100 | C. EL         | 10uF 16V     |         | ケミコン      | 01   |
| C313      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C314      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C315      | UR837330 | C. EL         | 33uF 16V     |         | ケミコン      | 01   |
| C316      | UR837330 | C. EL         | 33uF 16V     |         | ケミコン      | 01   |
| C317      | US135100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01   |
| C318      | US135100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01   |
| C319      | US135100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01   |
| C320      | US135100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01   |
| C321      | US135100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01   |
| C322      | US135100 | C. CE. CHP    | 0. 1uF 16V   |         | チップセラコン   | 01   |
| C323      | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C324      | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C325      | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C326      | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C327      | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C328      | UR837470 | C. EL         | 47uF 16V     |         | ケミコン      | 01   |
| C329      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C330      | UR819100 | C. EL         | 1000uF 6. 3V |         | ケミコン      | 01   |
| C331      | UR818100 | C. EL         | 100uF 6. 3V  |         | ケミコン      | 01   |
| C332      | UR819100 | C. EL         | 1000uF 6. 3V |         | ケミコン      | 01   |
| C333      | UR818100 | C. EL         | 100uF 6. 3V  |         | ケミコン      | 01   |
| C334      | UR819100 | C. EL         | 1000uF 6. 3V |         | ケミコン      | 01   |
| C335      | UR818100 | C. EL         | 100uF 6. 3V  |         | ケミコン      | 01   |
| C336      | UR818330 | C. EL         | 330uF 6. 3V  |         | ケミコン      | 01   |
| C337      | UR818330 | C. EL         | 330uF 6. 3V  |         | ケミコン      | 01   |
| C339      | US064100 | C. CE. M. CHP | 0. 01uF 50V  |         | チップセラコン   | 01   |
| C340      | US061470 | C. CE. M. CHP | 47pF 50V     |         | チップセラコン   | 01   |
| C341      | US062100 | C. CE. M. CHP | 100pF 50V    |         | チップセラコン   | 01   |
| C342      | US064100 | C. CE. M. CHP | 0. 01uF 50V  |         | チップセラコン   | 01   |
| C343      | US064100 | C. CE. M. CHP | 0. 01uF 50V  |         | チップセラコン   | 01   |

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



## DVR-S100 P.C.B. MAIN

| Schm Ref. | PART NO. | Description   | Remarks        | Markets  | 部 品 名        | Rank |
|-----------|----------|---------------|----------------|----------|--------------|------|
| C344      | UR817470 | C. EL         | 47uF 6.3V      |          | ケミコン         | 01   |
| C345      | UR817470 | C. EL         | 47uF 6.3V      |          | ケミコン         | 01   |
| C346      | UR817470 | C. EL         | 47uF 6.3V      |          | ケミコン         | 01   |
| C347      | UR817470 | C. EL         | 47uF 6.3V      |          | ケミコン         | 01   |
| C348      | US064100 | C. CE. M. CHP | 0.01uF 50V     |          | チップセラコン      | 01   |
| C349      | US145100 | C. CE. CHP    | 0.1uF 25V      |          | チップセラ (F)    | 01   |
| C350      | UR837100 | C. EL         | 10uF 16V       |          | ケミコン         | 01   |
| C351      | UR837100 | C. EL         | 10uF 16V       |          | ケミコン         | 01   |
| C352      | UR837100 | C. EL         | 10uF 16V       |          | ケミコン         | 01   |
| C353      | US061470 | C. CE. M. CHP | 47pF 50V       |          | チップセラコン      | 01   |
| C354      | US061470 | C. CE. M. CHP | 47pF 50V       |          | チップセラコン      | 01   |
| C355      | US061470 | C. CE. M. CHP | 47pF 50V       |          | チップセラコン      | 01   |
| D1        | VU992600 | DIODE. ZENR   | MA8051-M 5.1V  |          | ツェナーダイオード    | 01   |
| D2        | VT332900 | DIODE         | 1SS355         |          | ダイオード        | 01   |
| D3        | VT332900 | DIODE         | 1SS355         |          | ダイオード        | 01   |
| D4        | VU993400 | DIODE. ZENR   | MA8062-M 6.2V  |          | ツェナーダイオード    | 01   |
| D5        | VV307700 | DIODE         | 1N4002S        |          | ダイオード        | 01   |
| D6        | VU993500 | DIODE. ZENR   | MA8062-H 6.4V  |          | ツェナーダイオード    | 01   |
| D7        | VU992600 | DIODE. ZENR   | MA8051-M 5.1V  |          | ツェナーダイオード    | 01   |
| D8        | V6267600 | DIODE         | RB051L-40      |          | ダイオード        | 01   |
| D9        | VU997100 | DIODE. ZENR   | MA8150-M 15.0V |          | ツェナーダイオード    | 01   |
| D10       | VU995700 | DIODE. ZENR   | MA8110-L 10.7V |          | ツェナーダイオード    | 01   |
| D11       | VT332900 | DIODE         | 1SS355         |          | ダイオード        | 01   |
| △ D12     | VV307700 | DIODE         | 1N4002S        |          | ダイオード        | 01   |
| △ D13     | VV307700 | DIODE         | 1N4002S        |          | ダイオード        | 01   |
| △ D14     | VV307700 | DIODE         | 1N4002S        |          | ダイオード        | 01   |
| △ D15     | VV307700 | DIODE         | 1N4002S        |          | ダイオード        | 01   |
| △ D16     | VR253700 | DIODE. BRG    | S1NB20 1A 200V |          | D Iブリッジ X 4  | 02   |
| △ D17     | VR253700 | DIODE. BRG    | S1NB20 1A 200V |          | D Iブリッジ X 4  | 02   |
| △ D18     | V6855600 | DIODE. BRG    | D4SBS4-4101 4A |          | ダイオードブリッジ    | 03   |
| △ D19     | V6855600 | DIODE. BRG    | D4SBS4-4101 4A |          | ダイオードブリッジ    | 03   |
| △ D20     | VR253700 | DIODE. BRG    | S1NB20 1A 200V |          | D Iブリッジ X 4  | 02   |
| D21       | VT332900 | DIODE         | 1SS355         |          | ダイオード        | 01   |
| D22       | VV833200 | DIODE         | 1SS380         |          | ダイオード        | 01   |
| D23       | V6267600 | DIODE         | RB051L-40      |          | ダイオード        | 01   |
| D24       | VT332900 | DIODE         | 1SS355         |          | ダイオード        | 01   |
| D25       | VV220700 | DIODE. SHOT   | RB501V-40      |          | ショットキーダイオード  | 01   |
| D26       | VT332900 | DIODE         | 1SS355         |          | ダイオード        | 01   |
| D27       | VU997100 | DIODE. ZENR   | MA8150-M 15.0V |          | ツェナーダイオード    | 01   |
| G1        | V8880000 | TERM. GND     | M3.5 RJP9899   |          | アース端子        |      |
| G2        | V8880000 | TERM. GND     | M3.5 RJP9899   |          | アース端子        |      |
| G3        | V5995800 | PLATE. GND    |                |          | アースプレート      |      |
| IC2       | XH226A00 | IC            | SN74LS07NSR    |          | I C          | 03   |
| IC3       | XP894A00 | IC            | LC78211        |          | I C          | 06   |
| IC4       | XF291A00 | IC            | uPC4570G2      |          | I C          | 03   |
| IC5       | XF291A00 | IC            | uPC4570G2      |          | I C          | 03   |
| IC6       | XF291A00 | IC            | uPC4570G2      |          | I C          | 03   |
| IC7       | XF291A00 | IC            | uPC4570G2      |          | I C          | 03   |
| IC8       | XF291A00 | IC            | uPC4570G2      |          | I C          | 03   |
| IC9       | XY534A00 | IC            | LC72722        |          | I C          | 03   |
| △ IC10    | XY455A00 | IC            | PQ1CG21H2F SW  |          | RDSデコーダ I C  | 06   |
| IC14      | XP894A00 | IC            | LC78211        |          | 電源 I C S I L | 04   |
| * IC15    | X2471A00 | IC, CPU       | M30624F9AF     | MASK ROM | I C<br>C P U | 06   |

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

DVR-S100/NX-SW100

## DVR-S100 P.C.B. MAIN

| Schm Ref. | PART NO. | Description | Remarks    | Markets           | 部 品 名        | Rank           |    |
|-----------|----------|-------------|------------|-------------------|--------------|----------------|----|
| △         | IC17     | XJ608A00    | IC         | NJM7812FA         |              | IC             | 02 |
| △         | IC18     | XD343A00    | IC         | NJM79M12FA        |              | IC             | 03 |
| △         | IC19     | XJ604A00    | IC         | NJM78M05FA        |              | IC             | 02 |
| △         | IC20     | XE436A00    | IC         | NJM79M05FA        |              | IC             | 03 |
| △         | IC22     | XU965A00    | IC         | uPC29M33T-E1 3.3V |              | 電源 IC          | 03 |
| △         | IC23     | XY455A00    | IC         | PQ1CG21H2F SW     |              | 電源 IC S I L    | 04 |
| △         | IC24     | X2530A00    | IC         | PQ05RD21 +5V 2.0A |              | 電源 IC          | 03 |
| △         | IC25     | X2414A00    | IC         | PQ09RD11 9V       |              | 電源 IC          |    |
|           | IC27     | XF291A00    | IC         | uPC4570G2         |              | IC             | 03 |
|           | IC28     | XS377A00    | IC         | BA15218F OP AMP   |              | アンプ IC         | 01 |
|           | IC29     | XJ757A00    | IC         | NJM78L05A-T3      |              | IC             | 01 |
|           | IC300    | X2136A00    | IC         | BH7862FS          |              | アンプ IC         | 05 |
|           | IC301    | X2875A00    | IC         | NJM2595D          |              | IC             |    |
|           | IC302    | X2875A00    | IC         | NJM2595D          |              | IC             |    |
|           | IC303    | X2875A00    | IC         | NJM2595D          |              | IC             |    |
| *         | JK1      | V8887100    | CN         | TCS5094-10-4161   |              | TCS 5094ソケット   |    |
|           | JK300    | VU245200    | CN.DIN     | 1P                |              | D I Nコネクタ      | 02 |
|           | JK301    | VP113600    | CN.DIN     | 2P                |              | D I Nコネクタ      | 03 |
|           | JK302    | VP113600    | CN.DIN     | 2P                |              | D I Nコネクタ      | 03 |
|           | L1       | VB056900    | COIL       | 220uH             | BG           | コイル            | 01 |
|           | L2       | VB056900    | COIL       | 220uH             | BG           | コイル            | 01 |
|           | L3       | VG594300    | FLTR.LC.RF | DSS30693B101M     |              | L Cフィルター E M I | 01 |
| *         | L4       | V8628900    | COIL       | 82uH              | LHL 10TB820K | コイル            | 01 |
| *         | L5       | V8628900    | COIL       | 82uH              | LHL 10TB820K | コイル            | 01 |
| *         | L6       | V8972500    | COIL       | 330uH             | LHPP13BB331K | コイル            |    |
| *         | L7       | V8972500    | COIL       | 330uH             | LHPP13BB331K | コイル            |    |
|           | L8       | VE008800    | COIL       | 100uH             |              | コイル            | 01 |
|           | L9       | VB056900    | COIL       | 220uH             |              | コイル            | 01 |
|           | L300     | VU886500    | COIL       | LAL03VB R68M 0.68 |              | 円筒形固定コイル       | 01 |
|           | L301     | VU886200    | COIL       | LAL03VB R39M 0.39 |              | 円筒形固定コイル       | 01 |
|           | L302     | VU886500    | COIL       | LAL03VB R68M 0.68 |              | 円筒形固定コイル       | 01 |
|           | PJ1      | V7046800    | JACK.PIN   | MSP-246V1-01NI    |              | ピンジャック 6 P     |    |
|           | PJ2      | V7046800    | JACK.PIN   | MSP-246V1-01NI    |              | ピンジャック 6 P     |    |
|           | PJ3      | V7190400    | JACK.PIN   | 6P                |              | ピンジャック 6 P     |    |
|           | PJ300    | VV307100    | JACK.PIN   | 4P                |              | ピンジャック         | 03 |
|           | PJ301    | V2773400    | JACK.PIN   | 1P                |              | ピンジャック         | 02 |
|           | PJ302    | V6222700    | JACK.PIN   | 3P                | JUCRA        | ピンジャック 3 P     | 03 |
| *         | PN1      | V8637500    | PIN        | L=50 #18          |              | スタイルピン         |    |
| *         | PN2      | V8637500    | PIN        | L=50 #18          |              | スタイルピン         |    |
| *         | PN3      | V8637500    | PIN        | L=50 #18          |              | スタイルピン         |    |
| *         | PN4      | V8637500    | PIN        | L=50 #18          |              | スタイルピン         |    |
|           | Q1       | iC174020    | TR         | 2SC1740S R, S     | BG           | トランジスタ         | 01 |
|           | Q2       | VV655400    | TR.DGT     | DTC114EKA         |              | デジタルトランジスタ     | 01 |
|           | Q3       | VV655000    | TR.DGT     | DTA114EKA         |              | デジタルトランジスタ     | 01 |
|           | Q4       | VV556400    | TR         | 2SC2412K Q, R, S  |              | トランジスタ         | 01 |
|           | Q5       | VV655700    | TR.DGT     | DTC144EKA         |              | デジタルトランジスタ     | 01 |
|           | Q6       | VV556500    | TR         | 2SA1037K Q, R, S  |              | トランジスタ         | 01 |
|           | Q7       | VP872700    | TR         | 2SC4488 S, T      |              | トランジスタ         | 01 |
|           | Q8       | VV655000    | TR.DGT     | DTA114EKA         |              | デジタルトランジスタ     | 01 |
|           | Q11      | VV655700    | TR.DGT     | DTC144EKA         |              | デジタルトランジスタ     | 01 |
| △         | Q12      | VG805300    | TR         | 2SA1674 R, S      |              | トランジスタ         | 01 |
| △         | Q13      | VK407600    | TR         | 2SC4208A Q, R, S  |              | トランジスタ         | 02 |
|           | Q14      | VV655000    | TR.DGT     | DTA114EKA         |              | デジタルトランジスタ     | 01 |

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

## DVR-S100 P.C.B. MAIN

| Schm Ref. | PART NO. | Description  | Remarks          | Markets | 部 品 名      | Rank |
|-----------|----------|--------------|------------------|---------|------------|------|
| Q15       | VV655000 | TR.DGT       | DTA114EKA        |         | デジタルトランジスタ | 01   |
| Q16       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q17       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q18       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q19       | VV655000 | TR.DGT       | DTA114EKA        |         | デジタルトランジスタ | 01   |
| Q20       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q21       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q22       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q23       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q24       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q25       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q26       | VV655300 | TR.DGT       | DTA144EKA        |         | デジタルトランジスタ | 01   |
| Q27       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q28       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q29       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q30       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q31       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q32       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q33       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q34       | VZ725900 | TR           | 2SD1938F S, T    |         | トランジスタ     |      |
| Q35       | VV655700 | TR.DGT       | DTC144EKA        |         | デジタルトランジスタ | 01   |
| Q36       | VV655400 | TR.DGT       | DTC114EKA        |         | デジタルトランジスタ | 01   |
| Q300      | VV655500 | TR.DGT       | DTC124EKA        | JUC     | デジタルトランジスタ | 01   |
| Q301      | VV655400 | TR.DGT       | DTC114EKA        | J       | デジタルトランジスタ | 01   |
| Q302      | VV655400 | TR.DGT       | DTC114EKA        | J       | デジタルトランジスタ | 01   |
| Q303      | VV655000 | TR.DGT       | DTA114EKA        | J       | デジタルトランジスタ | 01   |
| Q304      | VV655400 | TR.DGT       | DTC114EKA        | J       | デジタルトランジスタ | 01   |
| R90       | VP940400 | R. MTL. OXD  | 100Ω 1W          |         | 酸化金属被膜抵抗   | 01   |
| R119      | VS267200 | R. MTL. OXD  | 82Ω 1W           |         | 酸化金属被膜抵抗   | 01   |
| R132      | HV755100 | R. CAR. FP   | 100Ω 1/4W        |         | 不燃化カーボン抵抗  | 01   |
| R134      | HV755100 | R. CAR. FP   | 100Ω 1/4W        |         | 不燃化カーボン抵抗  | 01   |
| R135      | HV755100 | R. CAR. FP   | 100Ω 1/4W        |         | 不燃化カーボン抵抗  | 01   |
| R136      | HV756220 | R. CAR. FP   | 2.2KΩ 1/4W       |         | 不燃化カーボン抵抗  | 01   |
| R137      | HV756560 | R. CAR. FP   | 5.6KΩ 1/4W       |         | 不燃化カーボン抵抗  | 01   |
| R170      | HV755100 | R. CAR. FP   | 100Ω 1/4W        |         | 不燃化カーボン抵抗  | 01   |
| R171      | HV755100 | R. CAR. FP   | 100Ω 1/4W        |         | 不燃化カーボン抵抗  | 01   |
| R172      | HV755100 | R. CAR. FP   | 100Ω 1/4W        |         | 不燃化カーボン抵抗  | 01   |
| R173      | HV755100 | R. CAR. FP   | 100Ω 1/4W        |         | 不燃化カーボン抵抗  | 01   |
| * R211    | V9020900 | R. MTL. OXD  | 68Ω 3W           |         | 酸化金属被膜抵抗   |      |
| * R233    | V9020900 | R. MTL. OXD  | 68Ω 3W           |         | 酸化金属被膜抵抗   |      |
| △ TH1     | VU847300 | POSISTOR     | RUE185 1.85A 30V |         | ポリスイッチ     | 03   |
| △ TH2     | VU847300 | POSISTOR     | RUE185 1.85A 30V |         | ポリスイッチ     | 03   |
| TP1       | VT969000 | PIN. TEST    | IRS-2049         |         | テストポイントピン  | 01   |
| XL1       | V3930900 | RSNR. CRYST  | 4.332MHz         | BG      | 水晶振動子      | 05   |
| * XL2     | V8805800 | RSNR. CE     | CSTLS10M0G53-A0  |         | セラミック振動子   |      |
|           | EP600530 | SCR. BND. HD | 3x8 MFZN2BL      |         | バインドSタイトネジ | 01   |

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

DVR-S100/NX-SW100

## DVR-S100 P.C.B. OPERATION

| Schm Ref. | PART NO. | Description | Remarks       | Markets          | 部 品 名          | Rank         |    |
|-----------|----------|-------------|---------------|------------------|----------------|--------------|----|
| *         | V8950700 | P. C. B.    | OPERATION     |                  | J PCB オペレーション  |              |    |
| *         | V8950800 | P. C. B.    | OPERATION     |                  | UC PCB オペレーション |              |    |
| *         | V8950900 | P. C. B.    | OPERATION     |                  | R PCB オペレーション  |              |    |
| *         | V8951000 | P. C. B.    | OPERATION     |                  | A PCB オペレーション  |              |    |
| *         | V8951100 | P. C. B.    | OPERATION     |                  | BG PCB オペレーション |              |    |
|           | CB600    | VU282800    | CN. BS. PIN   | 28P              |                | FFC コネクター    | 03 |
|           | CB601    | VU281500    | CN            | 15P SE 9604S     |                | FFC コネクター    |    |
|           | C601     | UM388100    | C. EL         | 100uF 10V        |                | ケミコン         | 01 |
|           | C602     | US064100    | C. CE. M. CHP | 0.01uF 50V       |                | チップセラコン      | 01 |
|           | C603     | US145100    | C. CE. CHP    | 0.1uF 25V        |                | チップセラ (F)    | 01 |
|           | C604     | US145100    | C. CE. CHP    | 0.1uF 25V        |                | チップセラ (F)    | 01 |
|           | C605     | US145100    | C. CE. CHP    | 0.1uF 25V        |                | チップセラ (F)    | 01 |
|           | C606     | UM388100    | C. EL         | 100uF 10V        |                | ケミコン         | 01 |
|           | C607     | US145100    | C. CE. CHP    | 0.1uF 25V        |                | チップセラ (F)    | 01 |
|           | C608     | UM417100    | C. EL         | 10uF 50V         |                | ケミコン         | 01 |
|           | C616     | UM388100    | C. EL         | 100uF 10V        |                | ケミコン         | 01 |
|           | C617     | US145100    | C. CE. CHP    | 0.1uF 25V        |                | チップセラ (F)    | 01 |
|           | C618     | US145100    | C. CE. CHP    | 0.1uF 25V        |                | チップセラ (F)    | 01 |
|           | C619     | US062100    | C. CE. M. CHP | 100pF 50V        |                | チップセラコン      | 01 |
|           | C620     | US061330    | C. CE. M. CHP | 33pF 50V         |                | チップセラコン      | 01 |
|           | C621     | US064100    | C. CE. M. CHP | 0.01uF 50V       |                | チップセラコン      | 01 |
|           | C622     | US064100    | C. CE. M. CHP | 0.01uF 50V       |                | チップセラコン      | 01 |
|           | C623     | US064100    | C. CE. M. CHP | 0.01uF 50V       |                | チップセラコン      | 01 |
|           | C624     | US061100    | C. CE. M. CHP | 10pF 50V         |                | チップセラコン      | 01 |
|           | C625     | US061100    | C. CE. M. CHP | 10pF 50V         |                | チップセラコン      | 01 |
|           | C626     | US061100    | C. CE. M. CHP | 10pF 50V         |                | チップセラコン      | 01 |
|           | C670     | US145100    | C. CE. CHP    | 0.1uF 25V        |                | チップセラ (F)    | 01 |
|           | D600     | VR711400    | LED (gr)      | SLR-325MC        | JUC            | LED          | 01 |
|           | D601     | VR711500    | LED (or)      | SLR-325DC        |                | LED          | 01 |
| *         | IC600    | X2472A00    | IC, CPU       | MN101CP35D       | MASK ROM       | CPU          |    |
|           | IC601    | XV160A00    | IC            | LC75712E FLD     |                | ロジック IC フラット | 07 |
|           | L601     | V6267100    | COIL          | 100uH            | LHL08TB101K    | コイル          | 01 |
|           | Q601     | VV556400    | TR            | 2SC2412K Q, R, S | JUC            | トランジスタ       | 01 |
|           | Q602     | VV556400    | TR            | 2SC2412K Q, R, S |                | トランジスタ       | 01 |
|           | Q604     | VV900500    | TR            | 2SD1991A Q, R, S |                | トランジスタ       | 01 |
|           | Q605     | VV900500    | TR            | 2SD1991A Q, R, S |                | トランジスタ       | 01 |
|           | Q606     | VV900500    | TR            | 2SD1991A Q, R, S |                | トランジスタ       | 01 |
|           | Q607     | VV900500    | TR            | 2SD1991A Q, R, S |                | トランジスタ       | 01 |
|           | Q608     | VV900500    | TR            | 2SD1991A Q, R, S |                | トランジスタ       | 01 |
|           | R667     | HV754120    | R. CAR. FP    | 12Ω 1/4W         |                | 不燃化カーボン抵抗    | 01 |
|           | SW600    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
|           | SW601    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
|           | SW602    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
|           | SW603    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
|           | SW604    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
|           | SW605    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
|           | SW606    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
|           | SW607    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
|           | SW608    | VV020300    | SW. TACT      | SKQNAA           |                | タクト SW       | 01 |
| *         | U600     | V8444900    | L. DTCT       | GP1UM271XK       |                | リモコン受光ユニット   | 04 |
| *         | V600     | V8558600    | FL. DSPLY     | 13-BT-199GNK     |                | 蛍光表示管        |    |
| *         | V602     | V8558700    | FL. DSPLY     | 16-BT-99GNK      |                | 蛍光表示管        |    |
| *         | XL600    | V8222100    | RSNR. CE      | 8MHz CSTLS8M00   |                | セラミック振動子     | 01 |

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

## DVR-S100 P.C.B. OPERATION &amp; P.C.B. SUB

| Schm Ref.             | PART NO.                                                 | Description                                              | Remarks                         | Markets                 | 部 品 名                                                                        | Rank |
|-----------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------|-------------------------|------------------------------------------------------------------------------|------|
|                       | V3422300<br>V6083200<br>V8636500                         | SPACER<br>SHEET<br>SHEET                                 | FL-WIDE                         |                         | スパーサ<br>シート/FL<br>シート/FL-DSP                                                 | 01   |
| *<br>*<br>*<br>*<br>* | V8944200<br>V8944300<br>V8944400<br>V8944500<br>V8944600 | P. C. B.<br>P. C. B.<br>P. C. B.<br>P. C. B.<br>P. C. B. | SUB<br>SUB<br>SUB<br>SUB<br>SUB | J<br>UC<br>R<br>A<br>BG | P C B 集 成 サブ<br>P C B 集 成 サブ<br>P C B 集 成 サブ<br>P C B 集 成 サブ<br>P C B 集 成 サブ |      |
| CB400                 | V1878200                                                 | CN. BS. PIN                                              | 4P                              |                         | ケーブルホルダー                                                                     | 01   |
| CB402                 | V6879900                                                 | CN. BS. PIN                                              | 2P                              |                         | ベースピン                                                                        | 01   |
| CB800                 | VQ961700                                                 | CN. BS. PIN                                              | 14P                             |                         | ハウジング                                                                        | 03   |
| CB801                 | VQ961700                                                 | CN. BS. PIN                                              | 14P                             |                         | ハウジング                                                                        | 03   |
| C400                  | UR848100                                                 | C. EL                                                    | 100uF 25V                       |                         | ケミコン                                                                         | 01   |
| C401                  | UA655100                                                 | C. MYLAR                                                 | 0.1uF 50V                       |                         | マイラーコン                                                                       | 01   |
| C402                  | UR847220                                                 | C. EL                                                    | 22uF 25V                        |                         | ケミコン                                                                         | 01   |
| C403                  | UR839100                                                 | C. EL                                                    | 1000uF 16V                      |                         | ケミコン                                                                         | 01   |
| C404                  | UA654100                                                 | C. MYLAR                                                 | 0.01uF 50V                      |                         | マイラーコン                                                                       | 01   |
| C405                  | V6185300                                                 | C. CE. SAFTY                                             | 0.01uF 275V                     |                         | 規格認定コン                                                                       |      |
| C406                  | UA654100                                                 | C. MYLAR                                                 | 0.01uF 50V                      |                         | マイラーコン                                                                       | 01   |
| C407                  | UR846470                                                 | C. EL                                                    | 4.7uF 25V                       |                         | ケミコン                                                                         | 01   |
| C701                  | US064100                                                 | C. CE. M. CHP                                            | 0.01uF 50V                      |                         | チップセラコン                                                                      | 01   |
| C702                  | US064100                                                 | C. CE. M. CHP                                            | 0.01uF 50V                      |                         | チップセラコン                                                                      | 01   |
| C800                  | UR866220                                                 | C. EL                                                    | 2.2uF 50V                       |                         | ケミコン                                                                         | 01   |
| C801                  | UR866220                                                 | C. EL                                                    | 2.2uF 50V                       |                         | ケミコン                                                                         | 01   |
| C802                  | UR866220                                                 | C. EL                                                    | 2.2uF 50V                       |                         | ケミコン                                                                         | 01   |
| C803                  | UR866220                                                 | C. EL                                                    | 2.2uF 50V                       |                         | ケミコン                                                                         | 01   |
| C804                  | UR866220                                                 | C. EL                                                    | 2.2uF 50V                       |                         | ケミコン                                                                         | 01   |
| C805                  | UR866220                                                 | C. EL                                                    | 2.2uF 50V                       |                         | ケミコン                                                                         | 01   |
| C806                  | US145100                                                 | C. CE. CHP                                               | 0.1uF 25V                       |                         | チップセラ (F)                                                                    | 01   |
| C807                  | US145100                                                 | C. CE. CHP                                               | 0.1uF 25V                       |                         | チップセラ (F)                                                                    | 01   |
| C808                  | US145100                                                 | C. CE. CHP                                               | 0.1uF 25V                       |                         | チップセラ (F)                                                                    | 01   |
| C809                  | US145100                                                 | C. CE. CHP                                               | 0.1uF 25V                       |                         | チップセラ (F)                                                                    | 01   |
| C810                  | US145100                                                 | C. CE. CHP                                               | 0.1uF 25V                       |                         | チップセラ (F)                                                                    | 01   |
| C811                  | US145100                                                 | C. CE. CHP                                               | 0.1uF 25V                       |                         | チップセラ (F)                                                                    | 01   |
| C812                  | UR866470                                                 | C. EL                                                    | 4.7uF 50V                       |                         | ケミコン                                                                         | 01   |
| C813                  | UR866470                                                 | C. EL                                                    | 4.7uF 50V                       |                         | ケミコン                                                                         | 01   |
| C814                  | UR866470                                                 | C. EL                                                    | 4.7uF 50V                       |                         | ケミコン                                                                         | 01   |
| C815                  | UR866470                                                 | C. EL                                                    | 4.7uF 50V                       |                         | ケミコン                                                                         | 01   |
| C816                  | UR866470                                                 | C. EL                                                    | 4.7uF 50V                       |                         | ケミコン                                                                         | 01   |
| C817                  | UR866470                                                 | C. EL                                                    | 4.7uF 50V                       |                         | ケミコン                                                                         | 01   |
| C818                  | UR837470                                                 | C. EL                                                    | 47uF 16V                        |                         | ケミコン                                                                         | 01   |
| C819                  | UR837470                                                 | C. EL                                                    | 47uF 16V                        |                         | ケミコン                                                                         | 01   |
| C820                  | UR837470                                                 | C. EL                                                    | 47uF 16V                        |                         | ケミコン                                                                         | 01   |
| C821                  | UM397100                                                 | C. EL                                                    | 10uF 16V                        |                         | ケミコン                                                                         | 01   |
| C822                  | UM397100                                                 | C. EL                                                    | 10uF 16V                        |                         | ケミコン                                                                         | 01   |
| C823                  | UM397100                                                 | C. EL                                                    | 10uF 16V                        |                         | ケミコン                                                                         | 01   |
| C824                  | UM397100                                                 | C. EL                                                    | 10uF 16V                        |                         | ケミコン                                                                         | 01   |
| C825                  | UM397100                                                 | C. EL                                                    | 10uF 16V                        |                         | ケミコン                                                                         | 01   |
| C826                  | UM397100                                                 | C. EL                                                    | 10uF 16V                        |                         | ケミコン                                                                         | 01   |
| C827                  | UR837470                                                 | C. EL                                                    | 47uF 16V                        |                         | ケミコン                                                                         | 01   |

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

## DVR-S100 P.C.B. SUB

| Schm Ref. | PART NO. | Description | Remarks         | Markets | 部 品 名       | Rank |
|-----------|----------|-------------|-----------------|---------|-------------|------|
| C828      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C829      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C830      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C831      | UR837470 | C.EL        | 47uF 16V        |         | ケミコン        | 01   |
| C832      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C833      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C834      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C835      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C836      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C837      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C838      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C839      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C840      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C841      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C842      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C843      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C844      | UR837470 | C.EL        | 47uF 16V        |         | ケミコン        | 01   |
| C845      | UR837470 | C.EL        | 47uF 16V        |         | ケミコン        | 01   |
| C846      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C847      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C848      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C849      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C850      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C851      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C852      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C853      | UM397100 | C.EL        | 10uF 16V        |         | ケミコン        | 01   |
| C900      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C901      | US145100 | C.CE.CHP    | 0.1uF 25V       |         | チップセラ (F)   | 01   |
| C902      | US034470 | C.CE.M.CHP  | 0.047uF 16V     |         | チップセラコン     | 01   |
| C903      | US034470 | C.CE.M.CHP  | 0.047uF 16V     |         | チップセラコン     | 01   |
| D400      | VT332900 | DIODE       | 1SS355          |         | ダイオード       | 01   |
| △ D402    | VR253700 | DIODE.BRG   | S1NB20 1A 200V  |         | D Iブリッジ X 4 | 02   |
| △ D403    | VV307700 | DIODE       | 1N4002S         |         | ダイオード       | 01   |
| △ D404    | VV307700 | DIODE       | 1N4002S         |         | ダイオード       | 01   |
| △ Fi400   | VU984000 | FLTR        | IE-UU10.5-009   |         | ラインフィルタ     | 04   |
| G400      | V8880000 | TERM.GND    | M3.5 RJP9899    |         | アース端子       |      |
| IC800     | XF291A00 | IC          | uPC4570G2       |         | IC          | 03   |
| IC801     | XF291A00 | IC          | uPC4570G2       |         | IC          | 03   |
| IC802     | XF291A00 | IC          | uPC4570G2       |         | IC          | 03   |
| IC803     | XJ757A00 | IC          | NJM78L05A-T3    |         | IC          | 01   |
| IC804     | XZ545A00 | IC          | YAC520-EE2      |         | IC          | 04   |
| IC805     | XZ545A00 | IC          | YAC520-EE2      |         | IC          | 04   |
| IC806     | XZ545A00 | IC          | YAC520-EE2      |         | IC          | 04   |
| IC807     | XF291A00 | IC          | uPC4570G2       |         | IC          | 03   |
| IC808     | XF291A00 | IC          | uPC4570G2       |         | IC          | 03   |
| IC809     | XF291A00 | IC          | uPC4570G2       |         | IC          | 03   |
| * JK900   | V8937100 | JACK.MNI    | HSJ1063-01-440  |         | ミニジャック      |      |
| L900      | V3063400 | COIL.CHP    | BLM11B601S 1608 |         | チップインダクタ    | 01   |
| L901      | V3063400 | COIL.CHP    | BLM11B601S 1608 |         | チップインダクタ    | 01   |
| L902      | V3063400 | COIL.CHP    | BLM11B601S 1608 |         | チップインダクタ    | 01   |
| L903      | Vi491100 | FER.CORE    | BP53RB19012080M |         | フェライトコア     | 02   |
| * PN400   | V8637500 | PIN         | L=50 #18        |         | スタイルピン      |      |
| * PN401   | V8637500 | PIN         | L=50 #18        |         | スタイルピン      |      |

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

## DVR-S100 P.C.B. SUB &amp; P.C.B. EX

| Schm Ref.  | PART NO. | Description | Remarks          | Markets | 部 品 名       | Rank |
|------------|----------|-------------|------------------|---------|-------------|------|
| Q400       | iC174020 | TR          | 2SC1740S R, S    |         | トランジスタ      | 01   |
| R402       | HV754680 | R. CAR. FP  | 68Ω 1/4W         |         | 不燃化カーボン抵抗   | 01   |
| R404       | V6730000 | R. CAR.     | 2.2MΩ 1/2W       | UC      | 放電抵抗        | 01   |
| R818       | HV754100 | R. CAR. FP  | 10Ω 1/4W         |         | 不燃化カーボン抵抗   | 01   |
| R819       | HV754100 | R. CAR. FP  | 10Ω 1/4W         |         | 不燃化カーボン抵抗   | 01   |
| R820       | HV753470 | R. CAR. FP  | 4.7Ω 1/4W        |         | 不燃化カーボン抵抗   | 01   |
| R824       | HV754100 | R. CAR. FP  | 10Ω 1/4W         |         | 不燃化カーボン抵抗   | 01   |
| R825       | HV754100 | R. CAR. FP  | 10Ω 1/4W         |         | 不燃化カーボン抵抗   | 01   |
| △ RY400    | V6017400 | RELAY       | DC SDT-S-112LMR2 |         | リレー 12V     | 04   |
| ST900      | V4040500 | SCR. TERM   | M3               |         | スクリュー/ターミナル | 01   |
| * △ SW500  | V9269400 | VOLT. SELCT | VSA-22-1         | R       | 電圧切替器       |      |
| SW700      | VV020300 | SW. TACT    | SKQNAA           |         | タクト SW      | 01   |
| SW701      | VV020300 | SW. TACT    | SKQNAA           |         | タクト SW      | 01   |
| SW702      | VV020300 | SW. TACT    | SKQNAA           |         | タクト SW      | 01   |
| SW703      | VV020300 | SW. TACT    | SKQNAA           |         | タクト SW      | 01   |
| SW704      | VV020300 | SW. TACT    | SKQNAA           |         | タクト SW      | 01   |
| SW705      | VV020300 | SW. TACT    | SKQNAA           |         | タクト SW      | 01   |
| SW706      | VV020300 | SW. TACT    | SKQNAA           |         | タクト SW      | 01   |
| SW707      | VV020300 | SW. TACT    | SKQNAA           |         | タクト SW      | 01   |
| * △ T400   | X2490A00 | TRANS. PWR  |                  | J       | 電源トランス      |      |
| * △ T400   | X2491A00 | TRANS. PWR  |                  | UC      | 電源トランス      |      |
| * △ T400   | X2492A00 | TRANS. PWR  |                  | R       | 電源トランス      |      |
| * △ T400   | X2493A00 | TRANS. PWR  |                  | A       | 電源トランス      |      |
| * △ T400   | X2494A00 | TRANS. PWR  |                  | BG      | 電源トランス      |      |
| △ TH501    | VV457700 | POSISTOR    | RUE110 1.10A 30V |         | ポリスイッチ      | 02   |
| * V9543600 | P. C. B. | EX          |                  |         | P C B E X   |      |
| CB1        | VB390300 | CN. BS. PIN | 7P               |         | ベースピン       | 01   |
| C1         | UM397470 | C. EL       | 47uF 16V         |         | ケミコン        | 01   |
| C2         | UM397470 | C. EL       | 47uF 16V         |         | ケミコン        | 01   |
| C3         | UA654560 | C. MYLAR    | 0.056uF 50V      |         | マイラーコン      |      |
| C4         | UR837100 | C. EL       | 10uF 16V         |         | ケミコン        | 01   |
| C5         | UR837100 | C. EL       | 10uF 16V         |         | ケミコン        | 01   |
| D1         | VU993100 | DIODE. ZENR | MA8056-H 5.8V    |         | ツェナーダイオード   | 01   |
| D2         | VU993100 | DIODE. ZENR | MA8056-H 5.8V    |         | ツェナーダイオード   | 01   |
| G1         | V8880000 | TERM. GND   | M3.5 RJP9899     |         | アース端子       |      |
| IC1        | XF291A00 | IC          | uPC4570G2        |         | IC          | 03   |
| IC2        | XG385A00 | IC          | TC74HC4066AF-T1  |         | ロジック IC     | 02   |
| * PN1      | V8637500 | PIN         | L=50 #18         |         | スタイルピン      |      |
| * PN2      | V8637500 | PIN         | L=50 #18         |         | スタイルピン      |      |
| Q1         | VV655700 | TR. DGT     | DTC144EKA        |         | デジタルトランジスタ  | 01   |
| Q2         | VV655700 | TR. DGT     | DTC144EKA        |         | デジタルトランジスタ  | 01   |
| Q3         | VV655300 | TR. DGT     | DTA144EKA        |         | デジタルトランジスタ  | 01   |
| R7         | HV755470 | R. CAR. FP  | 470Ω 1/4W        |         | 不燃化カーボン抵抗   | 01   |
| R8         | HV755470 | R. CAR. FP  | 470Ω 1/4W        |         | 不燃化カーボン抵抗   | 01   |

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

DVR-S100/NX-SW100

## DVR-S100 P.C.B. DVD MODULE

| Schm Ref. | PART NO. | Description   | Remarks     | Markets      | 部 品 名 | Rank           |    |
|-----------|----------|---------------|-------------|--------------|-------|----------------|----|
| *         | V7903500 | P. C. B.      | DVD MODULE  | RD-DDK018-YH | J     | P C B DVDモジュール |    |
| *         | V7903400 | P. C. B.      | DVD MODULE  | RD-DDK015-YH | UC    | P C B DVDモジュール |    |
| *         | V8525900 | P. C. B.      | DVD MODULE  | RD-DDK019-YH | R     | P C B DVDモジュール |    |
| *         | V7903600 | P. C. B.      | DVD MODULE  | RD-DDK017-YH | A     | P C B DVDモジュール |    |
| *         | V7903700 | P. C. B.      | DVD MODULE  | RD-DDK016-YH | BG    | P C B DVDモジュール |    |
| C21       | UF018100 | C. EL. CHP    | 100uF 6.3V  |              |       | チップケミコン        | 01 |
| C23       | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C221      | UF018100 | C. EL. CHP    | 100uF 6.3V  |              |       | チップケミコン        | 01 |
| C222      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C226      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C231      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C234      | UB014390 | C. CE. M. CHP | 0.039uF 50V |              |       | チップ積層セラコン      | 01 |
| C235      | UB013820 | C. CE. M. CHP | 8200pF 50V  |              |       | チップ積層セラコン      | 01 |
| C236      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C238      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C239      | US064100 | C. CE. M. CHP | 0.01uF 50V  |              |       | チップセラコン        | 01 |
| C240      | US063100 | C. CE. M. CHP | 1000pF 50V  |              |       | チップセラコン        | 01 |
| C241      | US062330 | C. CE. M. CHP | 330pF 50V   |              |       | チップセラコン        | 01 |
| C243      | US062100 | C. CE. M. CHP | 100pF 50V   |              |       | チップセラコン        | 01 |
| C244      | US062390 | C. CE. CHP    | 390P 50V    |              |       | チップセラ (S L)    | 01 |
| C246      | US063100 | C. CE. M. CHP | 1000pF 50V  |              |       | チップセラコン        | 01 |
| C247      | US064100 | C. CE. M. CHP | 0.01uF 50V  |              |       | チップセラコン        | 01 |
| C248      | VR326400 | C. POL. CHP   | 0.015uF 16V |              |       | チップマイラー        |    |
| C250      | VR326800 | C. POL. CHP   | 0.033uF 16V |              |       | チップマイラーコン      | 01 |
| C251      | US061680 | C. CE. CHP    | 68pF 50V    |              |       | チップセラコン        | 01 |
| C252      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C254      | US062680 | C. CE. M. CHP | 680pF 50V   |              |       | チップセラコン        | 01 |
| C255      | UB013680 | C. CE. M. CHP | 6800pF 50V  |              |       | チップ積層セラコン      | 01 |
| C256      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C258      | US063100 | C. CE. M. CHP | 1000pF 50V  |              |       | チップセラコン        | 01 |
| C259      | US062820 | C. CE. CHP    | 820pF 50V   |              |       | チップセラ (B)      | 01 |
| C260      | US063100 | C. CE. M. CHP | 1000pF 50V  |              |       | チップセラコン        | 01 |
| C261      | US062330 | C. CE. M. CHP | 330pF 50V   |              |       | チップセラコン        | 01 |
| C263      | US063100 | C. CE. M. CHP | 1000pF 50V  |              |       | チップセラコン        | 01 |
| C266      | UB013470 | C. CE. M. CHP | 4700pF 50V  |              |       | チップ積層セラコン      | 01 |
| C2501     | UF018100 | C. EL. CHP    | 100uF 6.3V  |              |       | チップケミコン        | 01 |
| C2502     | UF118330 | C. EL. CHP    | 330uF 6.3V  |              |       | チップケミコン        | 01 |
| C2503     | UF138100 | C. EL. CHP    | 100uF 16V   |              |       | チップケミコン        | 01 |
| C2504-08  | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C2511-12  | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C31       | UF118330 | C. EL. CHP    | 330uF 6.3V  |              |       | チップケミコン        | 01 |
| C33       | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C38       | UB446100 | C. CE. CHP    | 1uF 16V     |              |       | チップセラコン        | 01 |
| C310      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C341      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C351      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C354      | US061220 | C. CE. M. CHP | 22pF 50V    |              |       | チップセラコン        | 01 |
| C361      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C371      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C373      | FX612510 | C. TNTL       | 10uF 16V CH |              |       | タンタルコン         | 05 |
| C380      | UF118330 | C. EL. CHP    | 330uF 6.3V  |              |       | チップケミコン        | 01 |
| C381      | US135100 | C. CE. CHP    | 0.1uF 16V   |              |       | チップセラコン        | 01 |
| C383      | UB446100 | C. CE. CHP    | 1uF 16V     |              |       | チップセラコン        | 01 |

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



## DVR-S100 P.C.B. DVD MODULE

| Schm Ref. | PART NO. | Description   | Remarks | Markets | 部 品 名 | Rank        |    |
|-----------|----------|---------------|---------|---------|-------|-------------|----|
| C387      | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3100     | UF018100 | C. EL. CHP    | 100uF   | 6.3V    |       | チップケミコン     | 01 |
| C3101     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3106     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3111     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3116     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3210     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3211-14  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3261     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3701-02  | UF118330 | C. EL. CHP    | 330uF   | 6.3V    | JUC   | チップケミコン     | 01 |
| C3703-19  | US135100 | C. CE. CHP    | 0.1uF   | 16V     | JUC   | チップセラコン     | 01 |
| C3720     | UF017330 | C. EL. CHP    | 33uF    | 6.3V    | JUC   | チップケミコン     | 01 |
| C3721     | US135100 | C. CE. CHP    | 0.1uF   | 16V     | JUC   | チップセラコン     | 01 |
| C3722-23  | US061100 | C. CE. M. CHP | 10pF    | 50V     | JUC   | チップセラコン     | 01 |
| C3724     | US135100 | C. CE. CHP    | 0.1uF   | 16V     | JUC   | チップセラコン     | 01 |
| C3731     | FX612510 | C. TNTL       | 10uF    | 16V CH  | JUC   | タンタルコン      | 05 |
| C3732-43  | US135100 | C. CE. CHP    | 0.1uF   | 16V     | JUC   | チップセラコン     | 01 |
| C3751-56  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3757     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3758     | UB446100 | C. CE. CHP    | 1uF     | 16V     |       | チップセラコン     | 01 |
| C3759     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3761-63  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3766     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C3770     | UF018100 | C. EL. CHP    | 100uF   | 6.3V    |       | チップケミコン     | 01 |
| C3771     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C4201     | UF119100 | C. EL. CHP    | 1000uF  | 6.3V    |       | チップケミコン     | 02 |
| C4208     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C4211     | FX612510 | C. TNTL       | 10uF    | 16V CH  |       | タンタルコン      | 05 |
| C4213     | FX612510 | C. TNTL       | 10uF    | 16V CH  |       | タンタルコン      | 05 |
| C4215     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C4216     | UF018100 | C. EL. CHP    | 100uF   | 6.3V    |       | チップケミコン     | 01 |
| C4217     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C4219-20  | FX612510 | C. TNTL       | 10uF    | 16V CH  |       | タンタルコン      | 05 |
| C4221-27  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5201-02  | UF037100 | C. EL. CHP    | 10uF    | 16V     |       | チップケミコン     | 01 |
| C5203-06  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5211     | UF017470 | C. EL. CHP    | 47uF    | 6.3V    |       | チップケミコン     | 01 |
| C5215     | UF017470 | C. EL. CHP    | 47uF    | 6.3V    |       | チップケミコン     | 01 |
| C5221     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5222     | FX612510 | C. TNTL       | 10uF    | 16V CH  |       | タンタルコン      | 05 |
| C5232-36  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5241-48  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5251     | US062100 | C. CE. M. CHP | 100pF   | 50V     |       | チップセラコン     | 01 |
| C5252     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5261     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5262-64  | US062820 | C. CE. CHP    | 820pF   | 50V     |       | チップセラ (B)   | 01 |
| C5271-72  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5273     | US063180 | C. CE. CHP    | 1800pF  | 50V     |       | チップセラコン     | 01 |
| C5274     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5282     | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |
| C5283-84  | US062560 | C. CE. CHP    | 560pF   | 50V     |       | チップセラ (S L) | 01 |
| C5285     | XX700590 | C. CE. CHP    | 0.027uF | 25V     |       | チップコンデンサ    | 01 |
| C5288-02  | US135100 | C. CE. CHP    | 0.1uF   | 16V     |       | チップセラコン     | 01 |

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

DVR-S100/NX-SW100

## DVR-S100 P.C.B. DVD MODULE

| Schm Ref. | PART NO. | Description   | Remarks           | Markets | 部 品 名     | Rank |
|-----------|----------|---------------|-------------------|---------|-----------|------|
| C5295     | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C5298     | VR327000 | C. POL. CHP   | 0.047uF 16V       |         | チップマイラーコン | 01   |
| C6201     | UF017330 | C. EL. CHP    | 33uF 6.3V         |         | チップケミコン   | 01   |
| C6202-06  | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C6211     | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C6212     | US062100 | C. CE. M. CHP | 100pF 50V         |         | チップセラコン   | 01   |
| C6215     | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C6221     | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C6251     | UB446100 | C. CE. CHP    | 1uF 16V           |         | チップセラコン   | 01   |
| C6252     | US062470 | C. CE. M. CHP | 470pF 50V         |         | チップセラコン   | 01   |
| C6253     | FX612510 | C. TNL        | 10uF 16V CH       |         | タンタルコン    | 05   |
| C6257     | UF018100 | C. EL. CHP    | 100uF 6.3V        |         | チップケミコン   | 01   |
| C6261     | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C6262     | FX612510 | C. TNL        | 10uF 16V CH       |         | タンタルコン    | 05   |
| C6304-05  | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C6501-02  | UF017330 | C. EL. CHP    | 33uF 6.3V         |         | チップケミコン   | 01   |
| C6503-05  | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C6511-12  | US061150 | C. CE. CHP    | 15pF 50V          |         | チップセラコン   | 01   |
| C6521     | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| C6801-02  | UF018100 | C. EL. CHP    | 100uF 6.3V        |         | チップケミコン   | 01   |
| C6803-14  | US135220 | C. CE. CHP    | 0.22uF 16V        |         | チップセラ (F) | 01   |
| C6815     | US135100 | C. CE. CHP    | 0.1uF 16V         |         | チップセラコン   | 01   |
| * D371    | AAX34220 | DIODE         | MA2J11100L        |         | ダイオード     |      |
| D5261     | AAX27030 | DIODE         | MA716-TX          |         | ダイオード     | 05   |
| * D6215   | AAX34230 | DIODE         | MA2J72800L        |         | ダイオード     |      |
| FP5201    | AAX26690 | CN            | 38P               |         | コネクタ      | 07   |
| IC2001    | AAX26200 | IC            | MN103S26EGA       |         | IC        | 21   |
| IC2501    | AAX26080 | IC            | BA5823FM-E2       |         | IC        | 09   |
| IC3001    | AAX26220 | IC            | MN677531KA        |         | IC        | 32   |
| IC3061    | AAX26140 | IC            | MT48LC4M16A2TG-8E |         | IC        | 21   |
| IC3071    | AAX26040 | IC            | PQ1K333M2ZP       |         | IC        | 07   |
| IC3261    | iX634090 | IC            | BU4053BCF         | JUC     | IC        | 02   |
| * IC3701  | AAX34170 | IC            | FLI2200           | JUC     | IC        |      |
| * IC3731  | AAX34190 | IC            | K4S643232E-TC601  | JUC     | IC        |      |
| IC3751    | AAX26130 | IC            | ADV7196AKS        |         | IC        | 19   |
| * IC4211  | AAX34160 | IC            | PCM1608YT2        |         | IC        |      |
| IC5201    | AAX26000 | IC            | AN8703FH          |         | IC        | 13   |
| IC5261    | AAX26030 | IC            | NJU7015-TE1       |         | IC        | 07   |
| IC5262    | AAX26160 | IC            | CLC58021MX        |         | IC        | 10   |
| IC5263    | AAX26090 | IC            | SN74LV4053APWR    |         | IC        | 05   |
| IC5264    | AAX26240 | IC            | TC7W53FU          |         | IC        | 05   |
| IC5265    | AAX26100 | IC            | SN74AHC1G66H      |         | IC        | 05   |
| IC5266    | AAX26030 | IC            | NJU7015-TE1       |         | IC        | 07   |
| IC5267    | AAX25980 | IC            | AHC2G66HDCTR      |         | IC        | 05   |
| IC6201    | AAX26190 | IC            | MN102H60GFB       |         | IC        | 16   |
| IC6211    | AAX03570 | IC            | PST596JNR         |         | IC        | 05   |
| IC6221    | AAX26150 | IC            | BR24C08F-E21      |         | IC        | 07   |
| * IC6251  | AAX34150 | IC            | MM1563DFBE1       |         | IC        |      |
| IC6261    | AAX16090 | IC            | PQ018EZO1ZP       |         | IC        | 06   |
| * IC6301  | AAX34200 | IC            | 16M FLASH ROM     |         | IC        |      |
| * IC6501  | AAX34180 | IC            | BU2286FV-E2       |         | IC        |      |
| IC6521    | AAX04910 | IC            | AHC1GU04HDCK      |         | IC        | 05   |
| IC6801    | AAX26210 | IC            | MN67736WK         |         | IC        | 22   |

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

## DVR-S100 P.C.B. DVD MODULE &amp; Chip Resistors

| Schm Ref. | PART NO. | Description | Remarks    | Markets | 部 品 名      | Rank |
|-----------|----------|-------------|------------|---------|------------|------|
| PS3201    | AAX16410 | CN          | 22P        |         | コネクタ       | 06   |
| PS4201    | AAX05480 | CN          | 26P        |         | コネクタ       | 06   |
| PS6201    | AAX34210 | CN          | 10P        |         | コネクタ       |      |
| Q21       | AAX04270 | TR          | 2SD1819A-R |         | トランジスタ     | 05   |
| Q3101     | NX702830 | TR          | 2SB1218A-R |         | トランジスタ     | 05   |
| Q3106     | NX702830 | TR          | 2SB1218A-R |         | トランジスタ     | 05   |
| Q3111     | NX702830 | TR          | 2SB1218A-R |         | トランジスタ     | 05   |
| Q3116     | NX702830 | TR          | 2SB1218A-R |         | トランジスタ     | 05   |
| Q3761     | AAX27050 | TR          | 2SA1532-B  |         | トランジスター    | 04   |
| Q3766     | AAX27050 | TR          | 2SA1532-B  |         | トランジスター    | 04   |
| Q3771     | AAX27050 | TR          | 2SA1532-B  |         | トランジスター    | 04   |
| Q5211     | AAX05780 | TR          | 2SB1115    |         | トランジスタ     | 05   |
| Q5215     | AAX05780 | TR          | 2SB1115    |         | トランジスタ     | 05   |
| Q5261-62  | AAX27070 | TR          | 2SC3930-BC |         | トランジスタ     | 04   |
| Q5263     | AAX27050 | TR          | 2SA1532-B  |         | トランジスター    | 04   |
| Q5264     | AAX27070 | TR          | 2SC3930-BC |         | トランジスタ     | 04   |
| Q5271     | AAX27120 | TR          | UN5211     |         | トランジスター    | 04   |
| QR3261    | iX637160 | TR          | UN5212     |         | デジタルトランジスタ |      |
| QR5221    | AAX16160 | TR          | UN2121     |         | 抵抗付きトランジスタ | 05   |
| QR5241    | AAX27110 | TR          | UN511M     |         | トランジスター    | 04   |
| QR6215    | iX637160 | TR          | UN5212     |         | デジタルトランジスタ |      |
| X6501     | AAX04680 | RSNR. CRYST | 36.864MHz  |         | 水晶発振子      |      |
|           | RD353100 | R. CAR. CHP | 1Ω         | 1/10W   | チップ抵抗      | 01   |
|           | RD353220 | R. CAR. CHP | 2.2Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD353470 | R. CAR. CHP | 4.7Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD354100 | R. CAR. CHP | 10Ω        | 1/10W   | チップ抵抗      | 01   |
|           | RD354330 | R. CAR. CHP | 33Ω        | 1/10W   | チップ抵抗      | 01   |
|           | RD354470 | R. CAR. CHP | 47Ω        | 1/10W   | チップ抵抗      | 01   |
|           | RD354750 | R. CAR. CHP | 75Ω        | 1/10W   | チップ抵抗      | 01   |
|           | RD354820 | R. CAR. CHP | 82Ω        | 1/10W   | チップ抵抗      | 01   |
|           | RD355100 | R. CAR. CHP | 100Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355180 | R. CAR. CHP | 180Ω       | 1/16W   | チップ抵抗      | 01   |
|           | RD355220 | R. CAR. CHP | 220Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355270 | R. CAR. CHP | 270Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355330 | R. CAR. CHP | 330Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355360 | R. CAR. CHP | 360Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355430 | R. CAR. CHP | 430Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355470 | R. CAR. CHP | 470Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355680 | R. CAR. CHP | 680Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355820 | R. CAR. CHP | 820Ω       | 1/10W   | チップ抵抗      | 01   |
|           | RD355910 | R. CAR. CHP | 910Ω       | 1/16W   | チップ抵抗      | 01   |
|           | RD356100 | R. CAR. CHP | 1KΩ        | 1/10W   | チップ抵抗      | 01   |
|           | RD356120 | R. CAR. CHP | 1.2KΩ      | 1/10W   | チップ抵抗      | 01   |
|           | RD356130 | R. CAR. CHP | 1.3KΩ      | 1/10W   | チップ抵抗      | 01   |
|           | RD356150 | R. CAR. CHP | 1.5KΩ      | 1/10W   | チップ抵抗      | 01   |
|           | RD356180 | R. CAR. CHP | 1.8KΩ      | 1/10W   | チップ抵抗      | 01   |
|           | RD356220 | R. CAR. CHP | 2.2KΩ      | 1/10W   | チップ抵抗      | 01   |
|           | RD356270 | R. CAR. CHP | 2.7KΩ      | 1/10W   | チップ抵抗      | 01   |
|           | RD356300 | R. CAR. CHP | 3KΩ        | 1/10W   | チップ抵抗      | 01   |
|           | RD356330 | R. CAR. CHP | 3.3KΩ      | 1/10W   | チップ抵抗      | 01   |

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

## DVR-S100 Chip Resistors

| Schm Ref. | PART NO. | Description                     | Remarks | Markets | 部 品 名 | Rank |
|-----------|----------|---------------------------------|---------|---------|-------|------|
|           | RD356390 | R. CAR. CHP 3.9K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD356430 | R. CAR. CHP 4.3K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD356470 | R. CAR. CHP 4.7K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD356510 | R. CAR. CHP 5.1K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD356560 | R. CAR. CHP 5.6K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD356680 | R. CAR. CHP 6.8K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD356820 | R. CAR. CHP 8.2K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD356910 | R. CAR. CHP 9.1K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD357100 | R. CAR. CHP 10K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357120 | R. CAR. CHP 12K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357150 | R. CAR. CHP 15K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357180 | R. CAR. CHP 18K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357200 | R. CAR. CHP 20K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357220 | R. CAR. CHP 22K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357240 | R. CAR. CHP 24K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357300 | R. CAR. CHP 30K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357330 | R. CAR. CHP 33K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357360 | R. CAR. CHP 36K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357390 | R. CAR. CHP 39K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357470 | R. CAR. CHP 47K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357560 | R. CAR. CHP 56K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357680 | R. CAR. CHP 68K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD357910 | R. CAR. CHP 91K $\Omega$ 1/10W  |         |         | チップ抵抗 | 01   |
|           | RD358100 | R. CAR. CHP 100K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD358220 | R. CAR. CHP 220K $\Omega$ 1/10W |         |         | チップ抵抗 | 01   |
|           | RD359100 | R. CAR. CHP 1M $\Omega$ 1/10W   |         |         | チップ抵抗 | 01   |

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

## SW-S100 P.C.B. POWER AMP

| Schm Ref. | PART NO.  | Description | Remarks      | Markets | 部 品 名 | Rank        |    |
|-----------|-----------|-------------|--------------|---------|-------|-------------|----|
| *         | AAX333840 | P. C. B.    | POWER AMP    | 358164  | JUC   | P C Bパワーアンプ |    |
| *         | AAX333850 | P. C. B.    | POWER AMP    | 358261  | RABG  | P C Bパワーアンプ |    |
| C1        | UR867220  | C. EL       | 22uF 50V     |         |       | ケミコン        | 01 |
| C2        | VG272600  | C. EL       | 3. 3pF 50V   |         |       | 円筒セラコン      | 01 |
| C3        | UR866100  | C. EL       | 1uF 50V      |         |       | ケミコン        | 01 |
| C4        | UR867100  | C. EL       | 10uF 50V     |         |       | ケミコン        | 01 |
| C5        | UR867100  | C. EL       | 10uF 50V     |         |       | ケミコン        | 01 |
| C6        | UA652470  | C. MYLAR    | 470pF 50V    |         |       | マイラーコン      | 01 |
| C7        | UR866220  | C. EL       | 2. 2uF 50V   |         |       | ケミコン        | 01 |
| C8        | UA652220  | C. MYLAR    | 220pF 50V    |         |       | マイラーコン      | 01 |
| C9        | UA652560  | C. MYLAR    | 560pF 50V    |         |       | マイラーコン      | 02 |
| C10       | UA654470  | C. MYLAR    | 0. 047uF 50V |         |       | マイラーコン      | 01 |
| C11       | UR867100  | C. EL       | 10uF 50V     |         |       | ケミコン        | 01 |
| C12       | UR866470  | C. EL       | 4. 7uF 50V   |         |       | ケミコン        | 01 |
| C13       | UR866470  | C. EL       | 4. 7uF 50V   |         |       | ケミコン        | 01 |
| C14       | UA652100  | C. MYLAR    | 100pF 50V    |         |       | マイラーコン      | 01 |
| C15       | UA652100  | C. MYLAR    | 100pF 50V    |         |       | マイラーコン      | 01 |
| C16       | UA652470  | C. MYLAR    | 470pF 50V    |         |       | マイラーコン      | 01 |
| C17       | UR847330  | C. EL       | 33uF 25V     |         |       | ケミコン        | 01 |
| C18       | UR847330  | C. EL       | 33uF 25V     |         |       | ケミコン        | 01 |
| C19       | UA652220  | C. MYLAR    | 220pF 50V    |         |       | マイラーコン      | 01 |
| C20       | UR838100  | C. EL       | 100uF 16V    |         |       | ケミコン        | 01 |
| C21       | UR867220  | C. EL       | 22uF 50V     |         |       | ケミコン        | 01 |
| C22       | UR867100  | C. EL       | 10uF 50V     |         |       | ケミコン        | 01 |
| C23       | UR866220  | C. EL       | 2. 2uF 50V   |         |       | ケミコン        | 01 |
| C24       | VG272600  | C. EL       | 3. 3pF 50V   |         |       | 円筒セラコン      | 01 |
| C25       | UA652560  | C. MYLAR    | 560pF 50V    |         |       | マイラーコン      | 02 |
| C26       | UA654470  | C. MYLAR    | 0. 047uF 50V |         |       | マイラーコン      | 01 |
| C27       | VG272600  | C. EL       | 3. 3pF 50V   |         |       | 円筒セラコン      | 01 |
| C28       | UR866100  | C. EL       | 1uF 50V      |         |       | ケミコン        | 01 |
| C29       | UR867220  | C. EL       | 22uF 50V     |         |       | ケミコン        | 01 |
| C30       | UR867100  | C. EL       | 10uF 50V     |         |       | ケミコン        | 01 |
| C31       | UA652470  | C. MYLAR    | 470pF 50V    |         |       | マイラーコン      | 01 |
| C32       | UA654470  | C. MYLAR    | 0. 047uF 50V |         |       | マイラーコン      | 01 |
| C33       | UA652220  | C. MYLAR    | 220pF 50V    |         |       | マイラーコン      | 01 |
| C34       | UA652560  | C. MYLAR    | 560pF 50V    |         |       | マイラーコン      | 02 |
| C35       | UR867100  | C. EL       | 10uF 50V     |         |       | ケミコン        | 01 |
| C36       | UR866470  | C. EL       | 4. 7uF 50V   |         |       | ケミコン        | 01 |
| C37       | UA652100  | C. MYLAR    | 100pF 50V    |         |       | マイラーコン      | 01 |
| C38       | UR847330  | C. EL       | 33uF 25V     |         |       | ケミコン        | 01 |
| C39       | UR847330  | C. EL       | 33uF 25V     |         |       | ケミコン        | 01 |
| C40       | UA654470  | C. MYLAR    | 0. 047uF 50V |         |       | マイラーコン      | 01 |
| C41       | UR838100  | C. EL       | 100uF 16V    |         |       | ケミコン        | 01 |
| C42       | UR867100  | C. EL       | 10uF 50V     |         |       | ケミコン        | 01 |
| C43       | UR866470  | C. EL       | 4. 7uF 50V   |         |       | ケミコン        | 01 |
| C44       | UA652100  | C. MYLAR    | 100pF 50V    |         |       | マイラーコン      | 01 |
| C45       | UA652470  | C. MYLAR    | 470pF 50V    |         |       | マイラーコン      | 01 |
| C46       | UA654470  | C. MYLAR    | 0. 047uF 50V |         |       | マイラーコン      | 01 |
| C47       | UA652220  | C. MYLAR    | 220pF 50V    |         |       | マイラーコン      | 01 |
| C48       | UA654470  | C. MYLAR    | 0. 047uF 50V |         |       | マイラーコン      | 01 |
| C49       | UR867220  | C. EL       | 22uF 50V     |         |       | ケミコン        | 01 |
| C50       | UR867100  | C. EL       | 10uF 50V     |         |       | ケミコン        | 01 |
| C51       | VG272600  | C. EL       | 3. 3pF 50V   |         |       | 円筒セラコン      | 01 |

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

## SW-S100 P.C.B. POWER AMP

| Schm Ref. | PART NO. | Description | Remarks  | Markets | 部 品 名 | Rank   |    |
|-----------|----------|-------------|----------|---------|-------|--------|----|
| C52       | UA652560 | C. MYLAR    | 560pF    | 50V     |       | マイラーコン | 02 |
| C53       | UR867220 | C. EL       | 22uF     | 50V     |       | ケミコン   | 01 |
| C54       | UR867100 | C. EL       | 10uF     | 50V     |       | ケミコン   | 01 |
| C55       | UR867100 | C. EL       | 10uF     | 50V     |       | ケミコン   | 01 |
| C56       | UR866220 | C. EL       | 2. 2uF   | 50V     |       | ケミコン   | 01 |
| C57       | VG272600 | C. EL       | 3. 3pF   | 50V     |       | 円筒セラコン | 01 |
| C58       | UR868100 | C. EL       | 100uF    | 50V     |       | ケミコン   | 01 |
| C59       | UR868100 | C. EL       | 100uF    | 50V     |       | ケミコン   | 01 |
| C60       | UA655100 | C. MYLAR    | 0. 1uF   | 50V     |       | マイラーコン | 01 |
| C61       | UA655100 | C. MYLAR    | 0. 1uF   | 50V     |       | マイラーコン | 01 |
| C62       | UR867100 | C. EL       | 10uF     | 50V     |       | ケミコン   | 01 |
| C63       | UR866470 | C. EL       | 4. 7uF   | 50V     |       | ケミコン   | 01 |
| C64       | UA652100 | C. MYLAR    | 100pF    | 50V     |       | マイラーコン | 01 |
| C65       | UA652470 | C. MYLAR    | 470pF    | 50V     |       | マイラーコン | 01 |
| C66       | UA652220 | C. MYLAR    | 220pF    | 50V     |       | マイラーコン | 01 |
| C67       | UA652560 | C. MYLAR    | 560pF    | 50V     |       | マイラーコン | 02 |
| C68       | UA654470 | C. MYLAR    | 0. 047uF | 50V     |       | マイラーコン | 01 |
| C69       | UR847330 | C. EL       | 33uF     | 25V     |       | ケミコン   | 01 |
| C70       | UR868100 | C. EL       | 100uF    | 50V     |       | ケミコン   | 01 |
| C71       | UR868100 | C. EL       | 100uF    | 50V     |       | ケミコン   | 01 |
| C72       | UA655100 | C. MYLAR    | 0. 1uF   | 50V     |       | マイラーコン | 01 |
| C73       | UA655100 | C. MYLAR    | 0. 1uF   | 50V     |       | マイラーコン | 01 |
| C74       | UA654470 | C. MYLAR    | 0. 047uF | 50V     |       | マイラーコン | 01 |
| C75       | UA654470 | C. MYLAR    | 0. 047uF | 50V     |       | マイラーコン | 01 |
| C201      | UA653220 | C. MYLAR    | 2200pF   | 50V     |       | マイラーコン | 01 |
| C202      | UR867470 | C. EL       | 47uF     | 50V     |       | ケミコン   | 01 |
| C203      | UR867100 | C. EL       | 10uF     | 50V     |       | ケミコン   | 01 |
| C204      | UA652100 | C. MYLAR    | 100pF    | 50V     |       | マイラーコン | 01 |
| C205      | UA655100 | C. MYLAR    | 0. 1uF   | 50V     |       | マイラーコン | 01 |
| C206      | UR867220 | C. EL       | 22uF     | 50V     |       | ケミコン   | 01 |
| C207      | UR866100 | C. EL       | 1uF      | 50V     |       | ケミコン   | 01 |
| C208      | UA655390 | C. MYLAR    | 0. 39uF  | 50V     |       | マイラーコン | 01 |
| C209      | UR867100 | C. EL       | 10uF     | 50V     |       | ケミコン   | 01 |
| C210      | UR838100 | C. EL       | 100uF    | 16V     |       | ケミコン   | 01 |
| C211      | UA653220 | C. MYLAR    | 2200pF   | 50V     |       | マイラーコン | 01 |
| C212      | UR867100 | C. EL       | 10uF     | 50V     |       | ケミコン   | 01 |
| C213      | UA655150 | C. MYLAR    | 0. 15uF  | 50V     |       | マイラーコン | 02 |
| C214      | UA655820 | C. MYLAR    | 0. 82uF  | 50V     |       | マイラーコン | 01 |
| C215      | UR868100 | C. EL       | 100uF    | 50V     |       | ケミコン   | 01 |
| C216      | UA654100 | C. MYLAR    | 0. 01uF  | 50V     |       | マイラーコン | 01 |
| C217      | UR868100 | C. EL       | 100uF    | 50V     |       | ケミコン   | 01 |
| C218      | UA654680 | C. MYLAR    | 0. 068uF | 50V     |       | マイラーコン | 02 |
| C219      | UR867100 | C. EL       | 10uF     | 50V     |       | ケミコン   | 01 |
| C220      | UA655470 | C. MYLAR    | 0. 47uF  | 50V     |       | マイラーコン | 01 |
| C221      | UR867100 | C. EL       | 10uF     | 50V     |       | ケミコン   | 01 |
| C222      | UA655100 | C. MYLAR    | 0. 1uF   | 50V     |       | マイラーコン | 01 |
| C223      | UA652100 | C. MYLAR    | 100pF    | 50V     |       | マイラーコン | 01 |
| C224      | UR866220 | C. EL       | 2. 2uF   | 50V     |       | ケミコン   | 01 |
| C225      | UA655220 | C. MYLAR    | 0. 22uF  | 50V     |       | マイラーコン | 01 |
| C226      | UA655220 | C. MYLAR    | 0. 22uF  | 50V     |       | マイラーコン | 01 |
| C227      | UR837470 | C. EL       | 47uF     | 16V     |       | ケミコン   | 01 |
| C228      | UA652100 | C. MYLAR    | 100pF    | 50V     |       | マイラーコン | 01 |
| C229      | UA652100 | C. MYLAR    | 100pF    | 50V     |       | マイラーコン | 01 |

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

## SW-S100 P.C.B. POWER AMP

| Schm Ref. | PART NO. | Description              | Remarks | Markets | 部 品 名     | Rank |
|-----------|----------|--------------------------|---------|---------|-----------|------|
| C230      | UR866100 | C. EL 1uF 50V            |         |         | ケミコン      | 01   |
| C231      | UR837470 | C. EL 47uF 16V           |         |         | ケミコン      | 01   |
| C232      | UR867100 | C. EL 10uF 50V           |         |         | ケミコン      | 01   |
| C233      | UR867100 | C. EL 10uF 50V           |         |         | ケミコン      | 01   |
| C234      | UR867100 | C. EL 10uF 50V           |         |         | ケミコン      | 01   |
| C235      | UR867100 | C. EL 10uF 50V           |         |         | ケミコン      | 01   |
| C236      | UR847330 | C. EL 33uF 25V           |         |         | ケミコン      | 01   |
| C237      | UA654470 | C. MYLAR 0.047uF 50V     |         |         | マイラーコン    | 01   |
| C238      | VG892500 | C. EL 4700uF 50V         | 066742  |         | ケミコン      | 05   |
| C239      | UA654470 | C. MYLAR 0.047uF 50V     |         |         | マイラーコン    | 01   |
| C240      | VG892500 | C. EL 4700uF 50V         | 066742  |         | ケミコン      | 05   |
| C241      | UA655100 | C. MYLAR 0.1uF 50V       |         |         | マイラーコン    | 01   |
| C242      | UA655100 | C. MYLAR 0.1uF 50V       |         |         | マイラーコン    | 01   |
| C243      | UR867220 | C. EL 22uF 50V           |         |         | ケミコン      | 01   |
| C301      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C302      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C303      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C304      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C305      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C306      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C307      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C308      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C308      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C309      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C310      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C311      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C312      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C313      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C314      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C315      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C316      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C317      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C318      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C319      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C320      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C321      | FG212100 | C. CE 100pF 50V          |         |         | セラコン      | 01   |
| C401      | UR867100 | C. EL 10uF 50V           |         |         | ケミコン      | 01   |
| C402      | UR838330 | C. EL 330uF 16V          |         |         | ケミコン      | 01   |
| C403      | UR867220 | C. EL 22uF 50V           |         |         | ケミコン      | 01   |
| * C404    | AAX33910 | C. EL 4700uF 40V         | 084663  |         | ケミコン      | 05   |
| C405      | UR838330 | C. EL 330uF 16V          |         |         | ケミコン      | 01   |
| C406      | UR867220 | C. EL 22uF 50V           |         |         | ケミコン      | 01   |
| * C407    | AAX33910 | C. EL 4700uF 40V         | 084663  |         | ケミコン      | 05   |
| C408      | UA654470 | C. MYLAR 0.047uF 50V     |         |         | マイラーコン    | 01   |
| C409      | UA654470 | C. MYLAR 0.047uF 50V     |         |         | マイラーコン    | 01   |
| * △ C410  | AAX12460 | C. POL 0.01uF 275V       | 065262  |         | ポリエステルコン  | 03   |
| * CN105   | AAX19760 | CN B 7B                  |         |         | コネクタ      |      |
| CN107     | AAX10560 | CN B 3P-VH               |         |         | コネクタ      |      |
| * CN108   | AAX19770 | CN B 10P-VH              |         |         | コネクタ      |      |
| CN110     | AAX10560 | CN B 3P-VH               |         |         | コネクタ      |      |
| * CN111   | AAX19780 | CN B 4B                  |         |         | コネクタ      |      |
| CN302     | AAX28180 | CN.DIN 13P TCS5094-10-41 | 056981  |         | D I Nコネクタ | 07   |
| D1        | iF004600 | DIODE 1SS133             | 069460  |         | ダイオード     | 01   |

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

## SW-S100 P.C.B. POWER AMP

| Schm Ref. | PART NO. | Description | Remarks         | Markets | 部 品 名 | Rank      |    |
|-----------|----------|-------------|-----------------|---------|-------|-----------|----|
| D2        | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D3        | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D201      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D202      | VG440200 | DIODE. ZENR | MTZJ12B 12V     |         |       | ツェナーダイオード | 01 |
| D203      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D204      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D205      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D206      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D207      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D208      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D209      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D210      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D211      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| △ D212    | AXX12240 | DIODE       | RBV602          | 069599  |       | ダイオード     |    |
| D213      | AXX12620 | DIODE. ZENR | MTZJ5. 6B       | 069099  |       | ツェナーダイオード |    |
| D214      | VU264200 | DIODE       | 1SR139-400      | 069537  |       | ダイオード     | 01 |
| D215      | VG437400 | DIODE. ZENR | MTZJ5. 1B 5. 1V | 069087  |       | ツェナーダイオード | 01 |
| D401      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D402      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D403      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| △ D404    | AXX12240 | DIODE       | RBV602          | 069599  |       | ダイオード     |    |
| D405      | iF004600 | DIODE       | 1SS133          | 069460  |       | ダイオード     | 01 |
| D406      | AXX12620 | DIODE. ZENR | MTZJ5. 6B       | 069099  |       | ツェナーダイオード |    |
| △ F401    | AXX34000 | FUSE        | 6. 3A 250V      | 332094  | JUC   | ヒューズ      |    |
| △ F401    | AXX33990 | FUSE        | 2A 250V         | 059117  | RABG  | ヒューズ      |    |
| FH101     | VP206500 | HOLDER. FUS | EYF-52BCT       | 074277  |       | ヒューズホルダー  |    |
| IC1       | XB247A00 | IC          | uPC4570HA       | 070111  |       | IC        | 02 |
| IC2       | AXX33830 | IC          | STK402-940      | 358173  |       | IC        |    |
| IC3       | XB247A00 | IC          | uPC4570HA       | 070111  |       | IC        | 02 |
| IC4       | XB247A00 | IC          | uPC4570HA       | 070111  |       | IC        | 02 |
| IC201     | AXX13490 | IC          | STK404-050 AF   | 058246  |       | IC        | 08 |
| IC202     | XB247A00 | IC          | uPC4570HA       | 070111  |       | IC        | 02 |
| IC203     | XB247A00 | IC          | uPC4570HA       | 070111  |       | IC        | 02 |
| IC204     | XB247A00 | IC          | uPC4570HA       | 070111  |       | IC        | 02 |
| IC205     | XB247A00 | IC          | uPC4570HA       | 070111  |       | IC        | 02 |
| IC401     | AXX11990 | IC          | NJM78M12FA      | 070371  |       | IC        | 03 |
| IC402     | AXX11990 | IC          | NJM78M12FA      | 070371  |       | IC        | 03 |
| IC403     | AXX12000 | IC          | NJM79M12FA      | 070447  |       | IC        | 04 |
| L102      | AXX12190 | COIL. CHOKE | 1. 5uH          | 074417  |       | チョークコイル   |    |
| L103      | AXX12190 | COIL. CHOKE | 1. 5uH          | 074417  |       | チョークコイル   |    |
| L104      | AXX12190 | COIL. CHOKE | 1. 5uH          | 074417  |       | チョークコイル   |    |
| TR1       | AXX12580 | TR          | 2SA970 GR BL    | 073509  |       | トランジスタ    | 03 |
| TR2       | iC287820 | TR          | 2SC2878 A, B    | 068813  |       | トランジスタ    | 01 |
| TR3       | AXX12590 | TR          | 2SC2240 GR BL   | 073532  |       | トランジスタ    | 03 |
| TR4       | iC287820 | TR          | 2SC2878 A, B    | 068813  |       | トランジスタ    | 01 |
| TR5       | iC174020 | TR          | 2SC1740S QRS    | 055717  |       | トランジスタ    | 01 |
| TR6       | iC174020 | TR          | 2SC1740S QRS    | 055717  |       | トランジスタ    | 01 |
| TR7       | iC287820 | TR          | 2SC2878 A, B    | 068813  |       | トランジスタ    | 01 |
| TR8       | AXX12590 | TR          | 2SC2240 GR BL   | 073532  |       | トランジスタ    | 03 |
| TR9       | AXX12580 | TR          | 2SA970 GR BL    | 073509  |       | トランジスタ    | 03 |
| TR10      | iC287820 | TR          | 2SC2878 A, B    | 068813  |       | トランジスタ    | 01 |
| TR11      | AXX12590 | TR          | 2SC2240 GR BL   | 073532  |       | トランジスタ    | 03 |
| TR12      | iC287820 | TR          | 2SC2878 A, B    | 068813  |       | トランジスタ    | 01 |

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



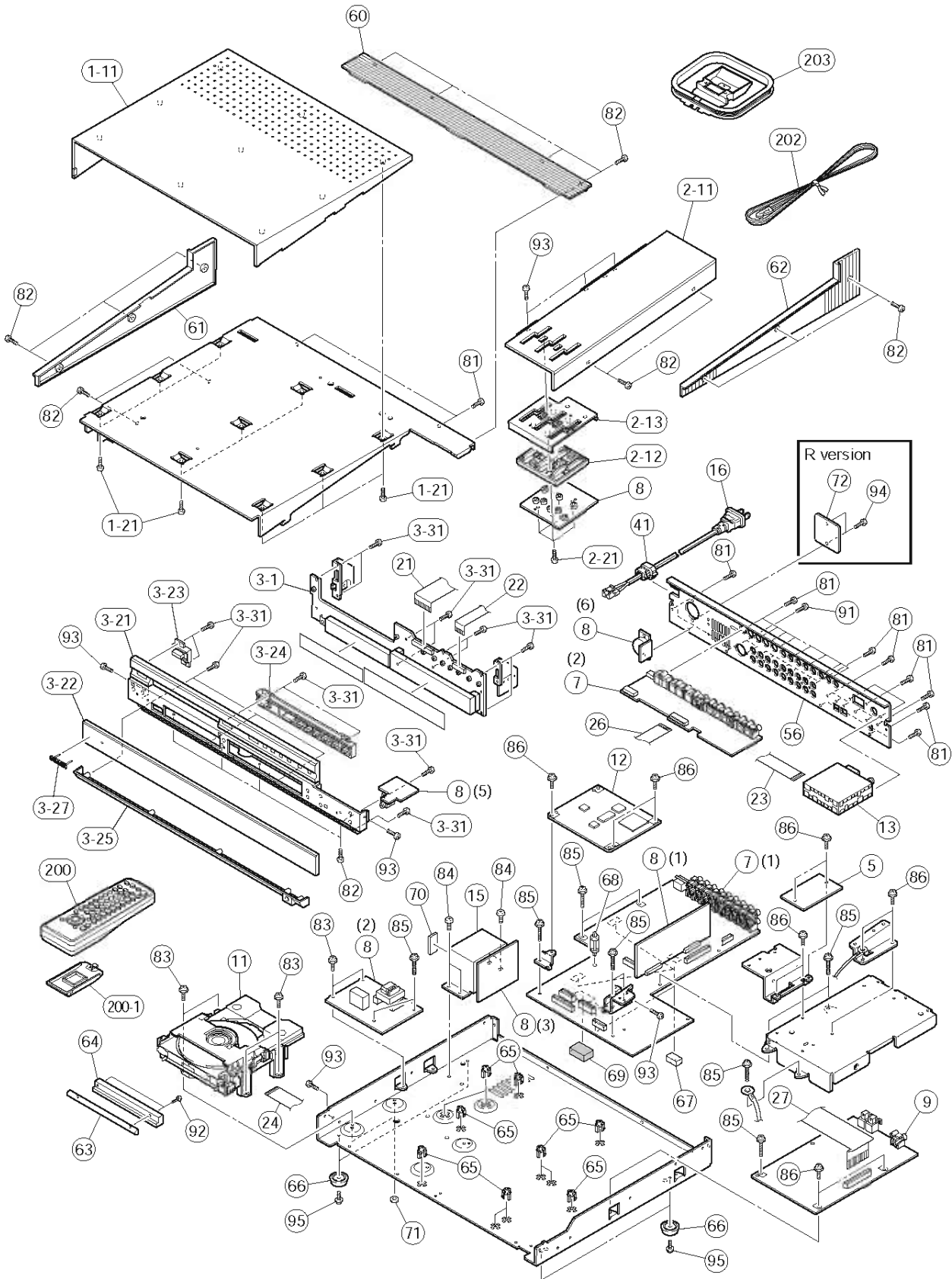
## SW-S100 P.C.B. POWER AMP

| Schm Ref.  | PART NO. | Description  | Remarks       | Markets | 部 品 名 | Rank      |    |
|------------|----------|--------------|---------------|---------|-------|-----------|----|
| TR13       | iC174020 | TR           | 2SC1740S QRS  | 055717  |       | トランジスタ    | 01 |
| TR14       | iC174020 | TR           | 2SC1740S QRS  | 055717  |       | トランジスタ    | 01 |
| TR15       | iC287820 | TR           | 2SC2878 A,B   | 068813  |       | トランジスタ    | 01 |
| TR16       | AAX12590 | TR           | 2SC2240 GR BL | 073532  |       | トランジスタ    | 03 |
| TR17       | iC287820 | TR           | 2SC2878 A,B   | 068813  |       | トランジスタ    | 01 |
| TR18       | AAX12590 | TR           | 2SC2240 GR BL | 073532  |       | トランジスタ    | 03 |
| TR19       | iC174020 | TR           | 2SC1740S QRS  | 055717  |       | トランジスタ    | 01 |
| TR201      | iC174020 | TR           | 2SC1740S QRS  | 055717  |       | トランジスタ    | 01 |
| TR202      | iC174020 | TR           | 2SC1740S QRS  | 055717  |       | トランジスタ    | 01 |
| TR203      | iC1815M0 | TR           | 2SC1815 Y,GR  | 068741  |       | トランジスタ    | 01 |
| TR204      | iC1815M0 | TR           | 2SC1815 Y,GR  | 068741  |       | トランジスタ    | 01 |
| TR205      | AAX09180 | FET          | 2SK304 E      | 051061  |       | F E T     | 03 |
| TR206      | iA101530 | TR           | 2SA1015 Y,GR  |         |       | トランジスタ    | 01 |
| TR207      | iA101530 | TR           | 2SA1015 Y,GR  |         |       | トランジスタ    | 01 |
| TR208      | iC287820 | TR           | 2SC2878 A,B   | 068813  |       | トランジスタ    | 01 |
| TR209      | iC287820 | TR           | 2SC2878 A,B   | 068813  |       | トランジスタ    | 01 |
| TR210      | iC174020 | TR           | 2SC1740S QRS  | 055717  |       | トランジスタ    | 01 |
| TR401      | AAX12580 | TR           | 2SA970 GR BL  | 073509  |       | トランジスタ    | 03 |
| TR402      | AAX12570 | TR           | DTC114ESA     | 069299  |       | トランジスタ    |    |
| R17        | AAX12360 | R. MTL. PLAT | 0.22Ω 3W      | 055474  |       | 金属板抵抗     |    |
| R40        | AAX12360 | R. MTL. PLAT | 0.22Ω 3W      | 055474  |       | 金属板抵抗     |    |
| R58        | AAX12360 | R. MTL. PLAT | 0.22Ω 3W      | 055474  |       | 金属板抵抗     |    |
| R88        | AAX12360 | R. MTL. PLAT | 0.22Ω 3W      | 055474  |       | 金属板抵抗     |    |
| R108       | AAX12360 | R. MTL. PLAT | 0.22Ω 3W      | 055474  |       | 金属板抵抗     |    |
| R205       | AAX12360 | R. MTL. PLAT | 0.22Ω 3W      | 055474  |       | 金属板抵抗     |    |
| R215       | HL315100 | R. MTL. FLM  | 100Ω 1W       |         |       | 酸化金属被膜抵抗  | 01 |
| R227       | AAX12370 | R. MTL. PLAT | 0.1Ω 3W       | 055475  |       | 金属板抵抗     |    |
| △ R268     | HV753100 | R. CAP. FP   | 1Ω 1/4W       |         |       | 不燃化カーボン抵抗 | 01 |
| R401       | HL315270 | R. MTL. FLM  | 270Ω 1W       |         |       | 酸化金属被膜抵抗  | 01 |
| R405       | HL315150 | R. MTL. FLM  | 150Ω 1W       |         |       | 酸化金属被膜抵抗  | 01 |
| R409       | HL315150 | R. MTL. FLM  | 150Ω 1W       |         |       | 酸化金属被膜抵抗  | 01 |
| △ RY1      | AAX12500 | RELAY        | OSA-SS-224DM3 | 079766  |       | リレー       |    |
| △ RY2      | AAX12500 | RELAY        | OSA-SS-224DM3 | 079766  |       | リレー       |    |
| △ RY3      | AAX12480 | RELAY        | DQ24D1-0S     | 055472  |       | リレー       | 07 |
| △ RY201    | AAX12480 | RELAY        | DQ24D1-0S     | 055472  |       | リレー       | 07 |
| △ RY401    | AAX12490 | RELAY        | SDT-S-112LMR  | 055473  |       | リレー       | 06 |
| * SP101    | AAX19810 | TERM. SP     | 6P CJ-9033-06 | 331720  |       | S P ターミナル |    |
| TM101      | XX707320 | PIN          | IPS-5007      | 064821  |       | ピン        | 01 |
| TM102      | XX707320 | PIN          | IPS-5007      | 064821  |       | ピン        | 01 |
| * AAX19520 | SCREW    |              | 3x12          | 332012  |       | ナベタッピングネジ |    |

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

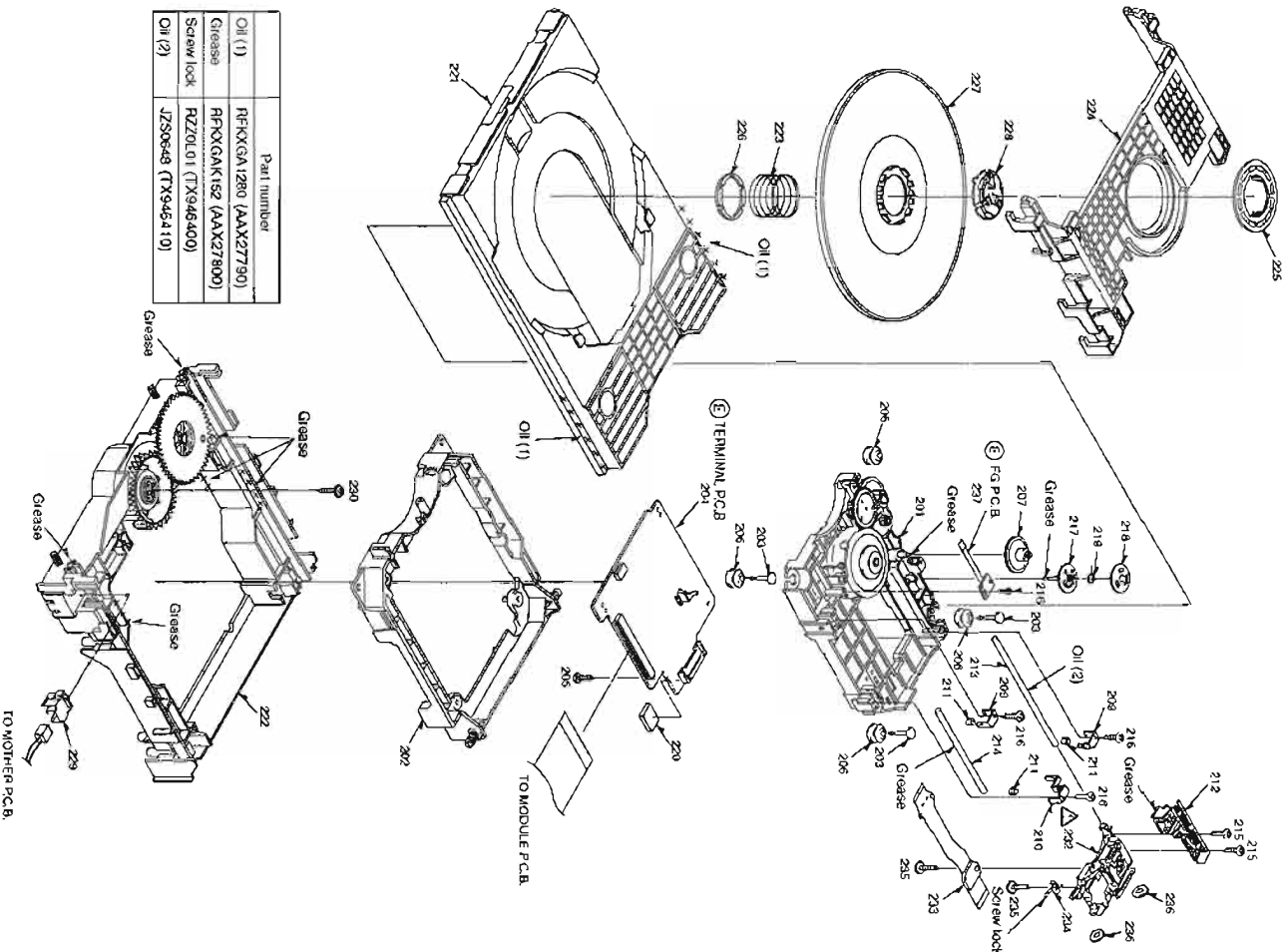
DVR-S100/NX-SW100

# ■ DVR-S100 EXPLODED VIEW





■ DVD-MECHANISM EXPLODED VIEW



|            | Part Number           |
|------------|-----------------------|
| Oil (1)    | RFKXGAI280 (AAK27790) |
| Grease     | RFKXGAK162 (AAK27900) |
| Screw lock | RZT0L01 (TX946400)    |
| Oil (2)    | JZ90646 (TX946410)    |

■ DVD-MECHANISM PARTS

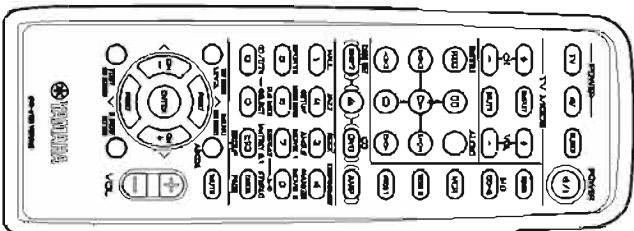
| Schm Ref. | PART NO. | Description           | Remarks     | Markets | 部品名         | Rank |
|-----------|----------|-----------------------|-------------|---------|-------------|------|
| 201       | MS396600 | DVD MECHANISM         |             |         | DVDメカニズム    | 20   |
| 202       | AM26270  | SPINDLE MOTOR ASS'Y   |             |         | S-モーター ASSY | 07   |
| 203       | AM26850  | MIRRELL GLASSIS       |             |         | 中間シヤーン      | 05   |
| 204       | AM27690  | FIXED PIN             |             |         | 固定ピン        | 09   |
| 205       | AM27610  | P.C.B. ASS'Y          | TERMINAL    |         | 中継基板        | 01   |
| 206       | AM27240  | SCREW                 |             |         | ネジ          | 01   |
| 207       | AM26280  | RUBBER ISOLATOR       |             |         | フローキングゴム    | 05   |
| 208       | AM27270  | TRAVERSE GEAR(D)      |             |         | TRVギヤ(D)    | 05   |
| 209       | AM27279  | ADJUST SPRING HOLDER  |             |         | TRVギヤA      | 05   |
| 210       | AM27280  | ADJUST SPRING         |             |         | バネ押込1       | 05   |
| 211       | AM27580  | ADJUST SPRING HOLDER  |             |         | バネ押込2       | 05   |
| 212       | AM26820  | TRAVERSE DRIVE FLICK  |             |         | 調整バネ        | 05   |
| 213       | AM27170  | DRIVE SHAFT           |             |         | TRV送りシャフト   | 05   |
| 214       | AM26850  | GUIDE SHAFT           |             |         | ドライブシャフト    | 05   |
| 215       | AM27180  | SCREW                 |             |         | ネジ          | 05   |
| 216       | AM26450  | SHEET                 |             |         | ネジ          | 03   |
| 217       | AM26290  | TRAVERSE GEAR(B)      |             |         | TRVギヤB      | 05   |
| 218       | AM26300  | TRAVERSE GEAR(C)      |             |         | TRVギヤC      | 05   |
| 219       | AM26310  | TRAVERSE GEAR SPRING  |             |         | TRVギヤバネ     | 05   |
| 220       | AM26290  | PCB RUBBER            |             |         | PCBラバー      | 05   |
| 221       | AM27140  | TRAY                  |             |         | トレイ         | 07   |
| 222       | AM27149  | MIRRELL GLASSIS ASS'Y |             |         | ミラクルガラスユニット | 13   |
| 223       | AM26399  | CLAMP SPRING          |             |         | クランプバネ      | 05   |
| 224       | AM26400  | CLAMP PLATE           |             |         | クランププレート    | 05   |
| 225       | AM26410  | FIXTURE               |             |         | クランプホルダー    | 05   |
| 226       | AM26850  | SPRING HELPER         |             |         | クランプホルダー    | 05   |
| 227       | AM26380  | CLAMP ASS'Y           |             |         | クランプバネユニット  | 11   |
| 228       | AM26250  | WAGNET HOLDER ASS'Y   |             |         | 調整バネユニット    | 08   |
| 229       | AM26350  | OPEN SWITCH           |             |         | オープンスイッチ    | 05   |
| 230       | AM27250  | SCREW                 |             |         | ネジ          | 05   |
| 232       | AM27696  | OPTICAL PICK-UP       |             |         | 光ピックアップ     | 25   |
| 233       | AM27660  | INTERFAC PCB          | RF3001-0910 |         | 中継PCB       | 07   |
| 234       | AM26820  | SHAFT SPRING          |             |         | シャフトバネ      | 05   |
| 235       | EM263500 | SCREW                 |             |         | ネジ          | 02   |
| 236       | AM26379  | CUSHION RUBBER        |             |         | クッションゴム     | 05   |
| 237       | AM26840  | FG P.C.B.             |             |         | FG基板        | 05   |

\* New Parts \* 新部品品名(マーカーの部品は、黒印に含められます)

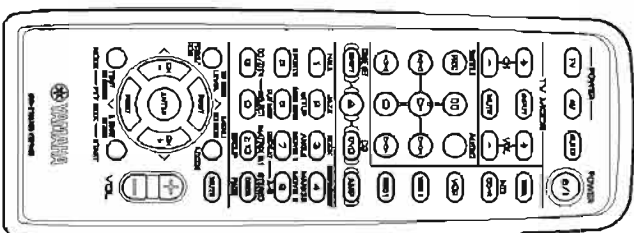


■ REMOTE CONTROL

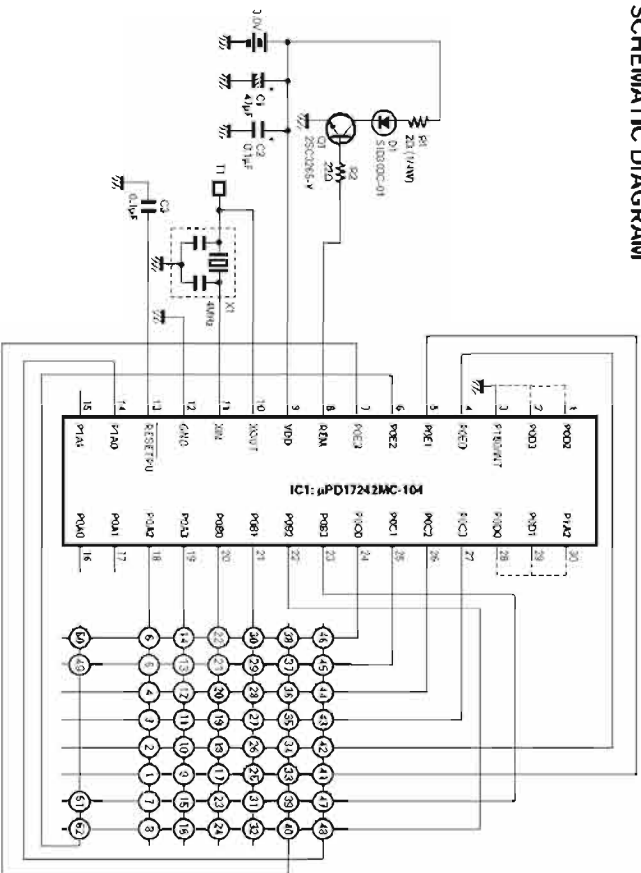
RRC4001-0301L (U, C, A, R, J models)



RRC4001-0302L (B, G models)



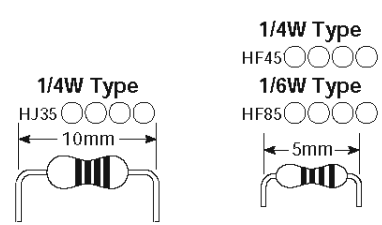
● SCHEMATIC DIAGRAM



| Key No. | Function         | TUNER | DMD   | SHIFT (00) | AMP   | MID   | HD/64kint | CD-R  |
|---------|------------------|-------|-------|------------|-------|-------|-----------|-------|
| 1       | POWER            | -     | -     | -          | 78-0F | -     | -         | -     |
| 2       | SLEEP            | -     | -     | -          | 78-4F | -     | -         | -     |
| 3       | AV POWER         | -     | -     | -          | -     | 79-B5 | 79-B5     | 7F-80 |
| 4       | TV POWER         | -     | -     | -          | -     | -     | -         | -     |
| 5       | TUNER            | -     | -     | -          | -     | 79-49 | -         | -     |
| 6       | TVVOL +          | -     | -     | -          | -     | -     | -         | -     |
| 7       | TV IN/PUT        | -     | -     | -          | -     | -     | -         | -     |
| 8       | TV CH +          | -     | -     | -          | -     | -     | -         | -     |
| 9       | M0/C0DR          | -     | -     | -          | -     | 78-D0 | -         | -     |
| 10      | TVVOL -          | -     | -     | -          | -     | -     | -         | -     |
| 11      | TV MUTE          | -     | -     | -          | -     | -     | -         | -     |
| 12      | TV CH -          | -     | -     | -          | -     | -     | -         | -     |
| 13      | VCR              | -     | -     | -          | -     | -     | -         | -     |
| 14      | AUDIO            | -     | -     | -          | 7C-AD | 7C-AD | -         | -     |
| 15      | PAUSE            | -     | -     | -          | 7C-83 | 7C-83 | -         | -     |
| 16      | REC              | -     | -     | -          | 7C-AA | 7C-AA | -         | -     |
| 17      | VIDEO 2          | -     | -     | -          | -     | 78-0E | -         | -     |
| 18      | SNP +            | -     | -     | -          | 7C-9A | 7C-9A | -         | -     |
| 19      | PLAY             | -     | -     | -          | 7C-82 | 7C-82 | -         | -     |
| 20      | SNIP -           | -     | -     | -          | 7C-89 | 7C-89 | -         | -     |
| 21      | VIDEO 1          | -     | -     | -          | -     | 78-0F | -         | -     |
| 22      | SEARCH + (FF)    | -     | -     | -          | 7C-87 | 7C-87 | -         | -     |
| 23      | STOP             | -     | -     | -          | 7C-85 | 7C-85 | -         | -     |
| 24      | SEARCH - (REW)   | -     | -     | -          | 7C-86 | 7C-86 | -         | -     |
| 25      | AMP              | -     | -     | -          | -     | -     | -         | -     |
| 26      | CD/VID           | -     | -     | -          | -     | 78-4A | -         | -     |
| 27      | EJECT            | -     | -     | -          | 7C-81 | 7C-81 | -         | -     |
| 28      | SHIFT (CODE SET) | -     | -     | -          | -     | 7C-81 | -         | -     |
| 29      | 4                | 78-14 | 7C-97 | 7C-D8      | 78-94 | 78-98 | 78-BA     | 7F-84 |
| 30      | 3                | 78-13 | 7C-96 | 7C-AE      | 78-83 | 78-87 | 78-88     | 7F-93 |
| 31      | 2                | 78-12 | 7C-95 | 7C-AC      | 78-82 | 78-86 | 78-88     | 7F-92 |
| 32      | 1                | 78-11 | 7C-94 | -          | 78-81 | 78-85 | 78-87     | 7F-91 |
| 33      | 8                | 78-19 | 7C-8B | 7C-AM      | 78-88 | 78-8C | 78-8E     | 7F-98 |
| 34      | 7                | 78-17 | 7C-8A | 7C-A3      | 78-87 | 78-8B | 78-8D     | 7F-97 |
| 35      | 6                | 78-16 | 7C-89 | 7C-BD      | 78-86 | 78-8A | 78-8C     | 7F-86 |
| 36      | 5                | 78-15 | 7C-88 | -          | 78-85 | 78-88 | 78-8B     | 7F-85 |
| 37      | MUTE             | -     | -     | -          | 78-9C | 78-9C | 78-9C     | -     |
| 38      | MENU             | 78-1D | 7C-82 | 7C-82      | 78-9D | -     | -         | -     |
| 39      | TOP MENU         | 78-81 | 7C-81 | 7C-81      | 78-88 | -     | -         | -     |
| 40      | RETURN           | 78-93 | 7C-97 | 7C-97      | 78-8B | -     | -         | -     |
| 41      | ON SCREEN        | 78-82 | 7C-A6 | 7C-A6      | 78-8F | -     | -         | -     |
| 42      | PRESET UP        | 78-18 | 7C-84 | 7C-84      | 78-9E | -     | -         | -     |
| 43      | CH +             | -     | -     | -          | 7C-96 | 7C-96 | -         | -     |
| 44      | ENTER            | -     | -     | -          | 7C-88 | 7C-88 | -         | -     |
| 45      | CH -             | -     | -     | -          | 7C-85 | 7C-85 | -         | -     |
| 46      | PRESET DOWN      | 78-1C | 7C-83 | 7C-83      | 78-8F | -     | -         | -     |
| 47      | VOL up           | 78-1E | 78-1E | 78-1E      | 78-1E | 78-1E | 78-1E     | 78-1E |
| 48      | VOL down         | 78-1F | 78-1F | 78-1F      | 78-1F | 78-1F | 78-1F     | 78-1F |
| 49      | CANCEL           | -     | -     | -          | 7C-9F | 7C-0F | -         | -     |
| 50      | > 10             | -     | -     | -          | 7C-8D | 7C-DD | 78-80     | 78-9A |
| 51      | 0                | -     | -     | -          | 7C-93 | -     | 78-8F     | 78-C0 |
| 52      | 9                | -     | -     | -          | 7C-9C | -     | 78-8D     | 78-BF |

# Parts List for Carbon Resistors

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



1/4W Type  
HF45○○○○○

1/6W Type  
HF85○○○○○

\* : Not available

# DVR-S100/NX-SW100

