

DVD HOME THEATER SOUND SYSTEM DVX-1000

DVD RECEIVER/ SUBWOOFER/ SPEAKERS

DVR-1000/NX-SW1000/NX-P1000

SERVICE MANUAL

DVX-1000

- The DVX-1000 consists of the DVR-1000, NX-SW1000 and NX-P1000.
- When accepting a repair order from the user, it is recommended to receive DVR-1000, NX-SW1000 and NX-P1000 as a set for the repair work.
- DVX-1000は、DVR-1000、NX-SW1000 および NX-P1000 で構成されています。
- 修理依頼を受ける際、DVR-1000、NX-SW1000 および NX-P1000 を一緒にお預かりすることを推奨します。

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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このサービスマニュアルは、エコマーク認定の再生紙を使用しています。
This Service Manual uses recycled paper.



■ TO SERVICE PERSONNEL

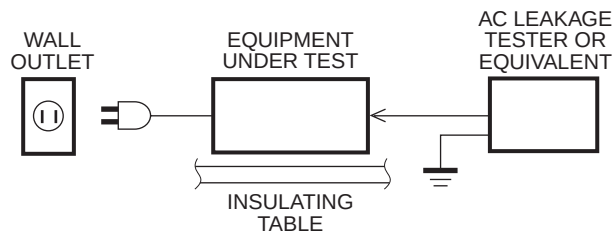
1. Critical Components Information

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

2. Leakage Current Measurement (For 120V Models Only)

When service has been completed, it is imperative to verify that all exposed conductive surfaces are properly insulated from supply circuits.

- Meter impedance should be equivalent to 1500 ohms shunted by 0.15 μ F.



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

WARNING: CHEMICAL CONTENT NOTICE!

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

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

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

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

About Lead Free Solder / 無鉛ハンダについて

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

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

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

Caution:

As the melting point temperature of the lead free solder is about 30°C to 40°C (50°F to 70°F) higher than that of the lead solder, be sure to use a soldering iron suitable to each solder.

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

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

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

注意：

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

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:

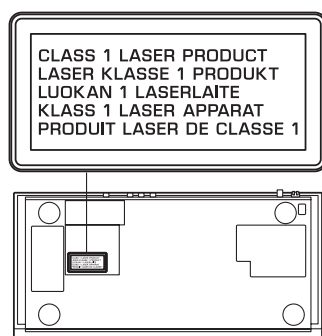
- 1) When the Top Cover is removed, and the STANDBY/ON SW is turned to the "ON" position, the laser component will emit a beam for several seconds to detect if a disc is present. During this time (5-10 sec.) the laser may radiate through the lens of the laser pick-up unit. Do not attempt any servicing during this period!
If no disc is detected, the laser will stop emitting the beam. When a disc is loaded, 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: 650 nm (DVD)
 784 nm (VCD/CD)
 Output Power: 7 mW (DVD/VCD/CD)
 Beam divergence: 60 degree

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.



CAUTION VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING
UNDGÅ UDSÆTTELSE FOR STRÅLING

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL
ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN

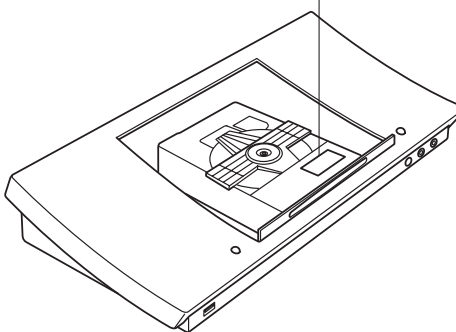
VARNING SYNLIG OCH OSYNLIG LASERSTRÅLNING NÅR
DENNA DEL ÄR ÖPPNAD BETRakta EJ STRÅLEN

VARO ! AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA
NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE, ÄLÄ KATSO SÄTEESEEN

VORSICHT SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG
WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN

DANGER VISIBLE AND INVISIBLE LASER RADIATION WHEN
OPEN AVOID DIRECT EXPOSURE TO BEAM

ATTENTION RAYONNEMENT LASER VISIBLE ET INVISIBLE EN
CAS D'OUVERTURE EXPOSITION DANGEREUSE AU FAISCEAU



Warning for power supply

The primary side of the power supply carries live mains voltage when the player is connected to the mains even when the player is switched off !

This primary area is not shielded so it is possible to touch copper tracks and/or components when servicing the player. Service personnel have to take precautions to prevent touching this area or components in this area.

Note:

The screws on the DVD mechanism may never be touched, removed or re-adjusted.

Handle the DVD mechanism with care when the unit has to be exchanged!

The DVD mechanism is very sensitive for dropping or giving shocks.

■ PREVENTION OF ELECTROSTATIC DISCHARGE

The laser diode in the DVD mechanism may be damaged due to static electricity from clothes or the human body. Use caution to prevent electrostatic damage when servicing or handling the DVD-mechanism.

1. Grounding for electrostatic damage prevention

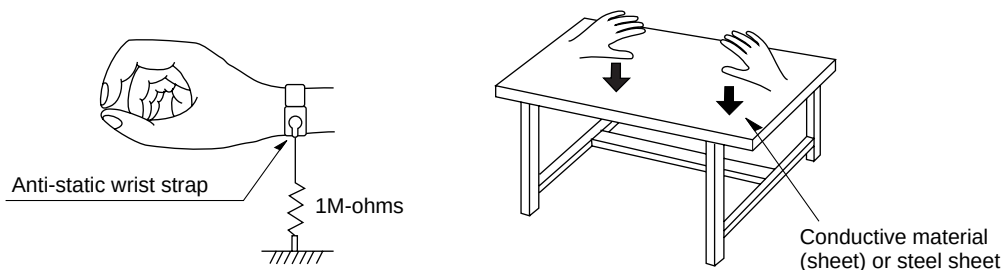
Some devices, such as the DVD player, use an optical pickup (laser diode) that will be damaged by static electricity in the working environment. Only attempt service after ensuring that all grounding procedures have been completed.

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.



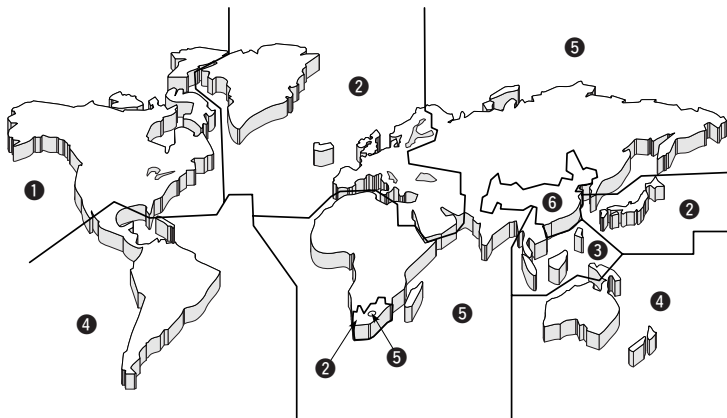
2. Handling Precautions for DVD mechanism

1. Handle the DVD mechanism 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 a 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.

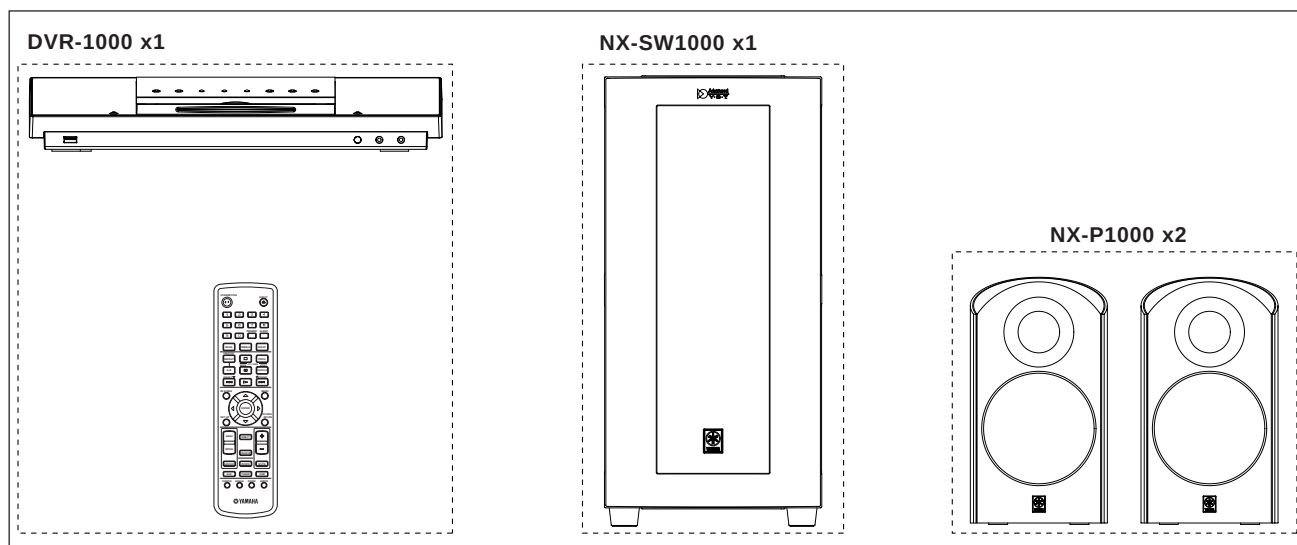


■ SYSTEM COMPOSITION / システム構成

The DVX-1000 consists of the DVR-1000, NX-XSW1000 and NX-P1000.

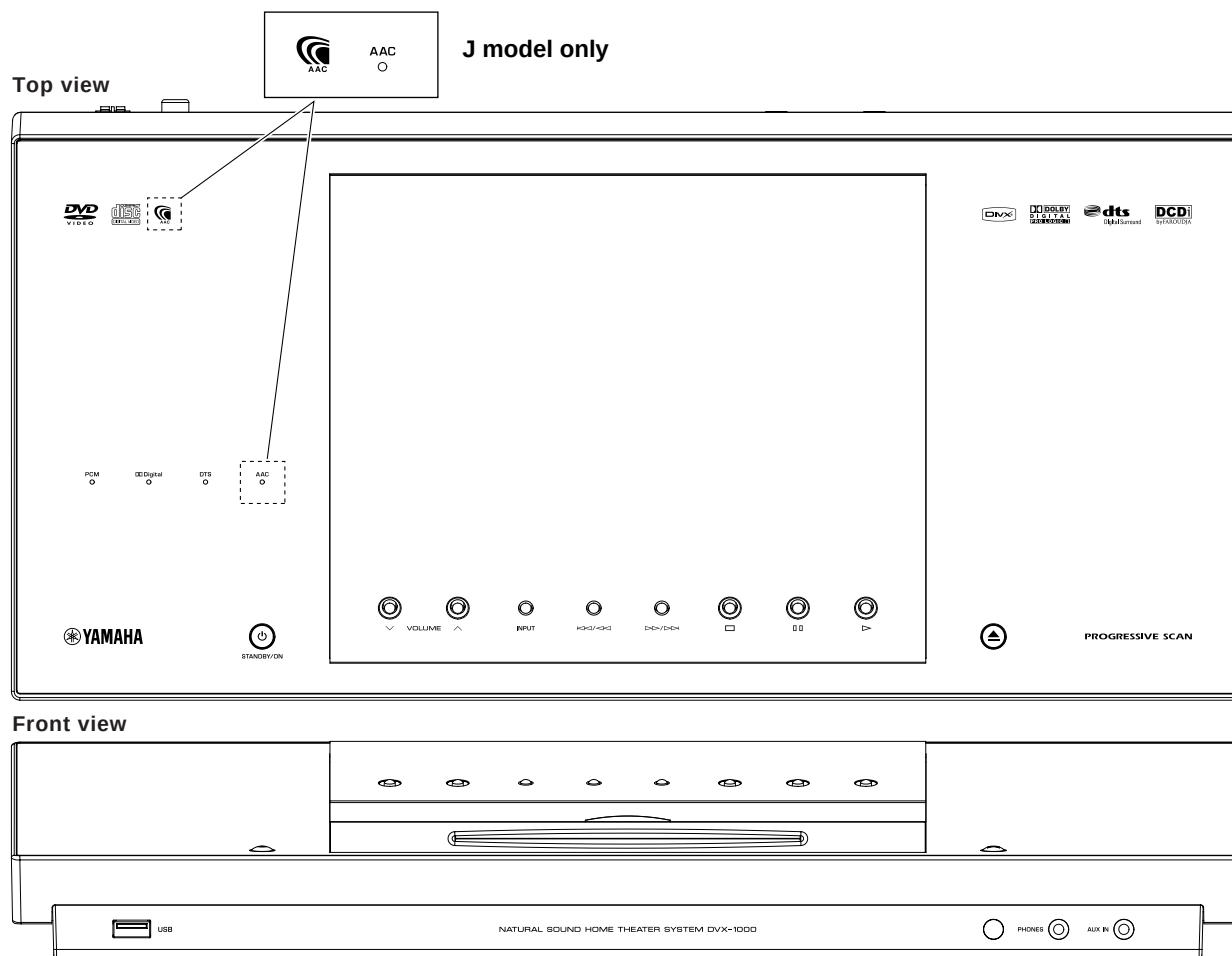
DVX-1000 は、DVR-1000、NX-SW1000 および NX-P1000 で構成されています。

▼ DVX-1000



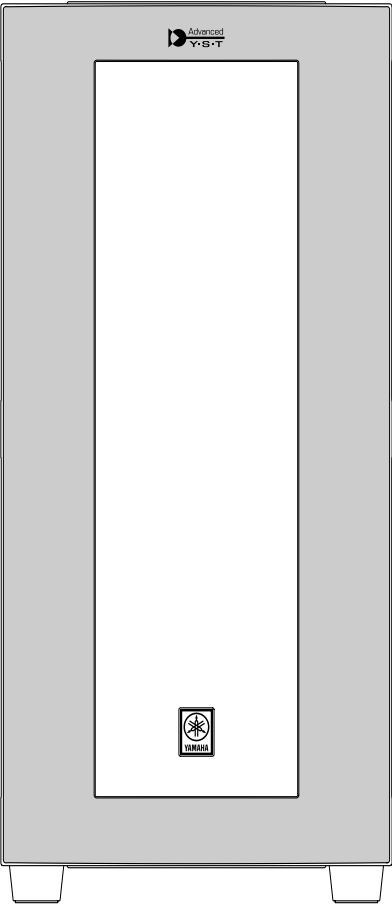
■ FRONT PANELS

DVR-1000

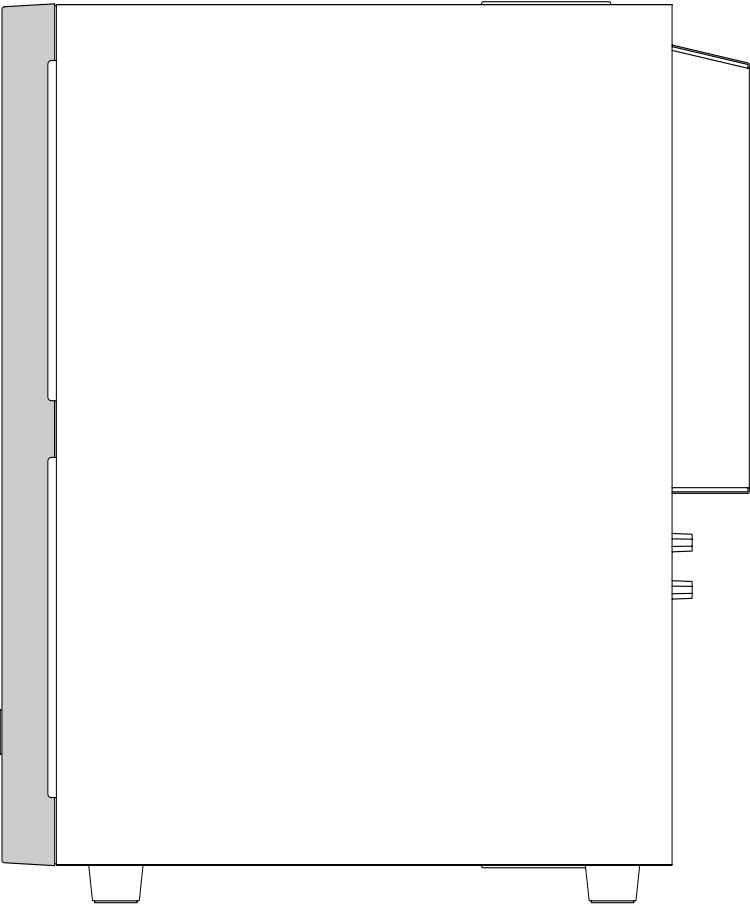


NX-SW1000

Front view

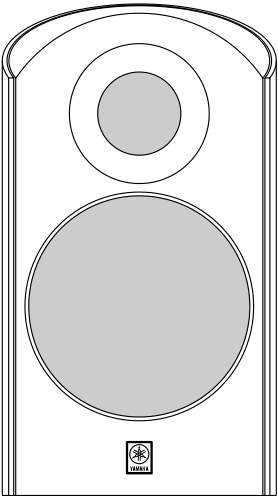


Side view

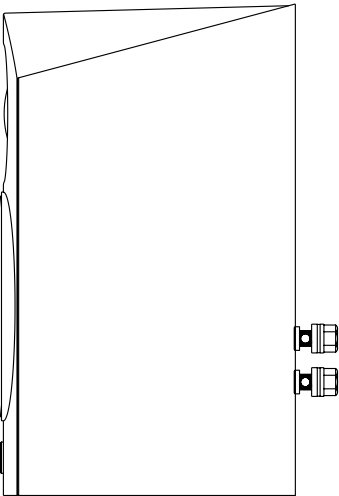


NX-P1000

Front view



Side view

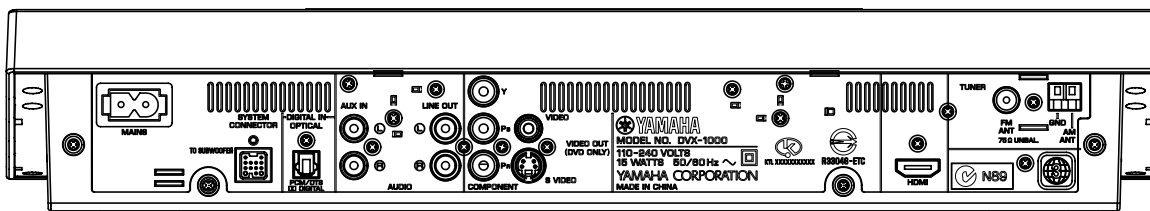


REAR PANELS

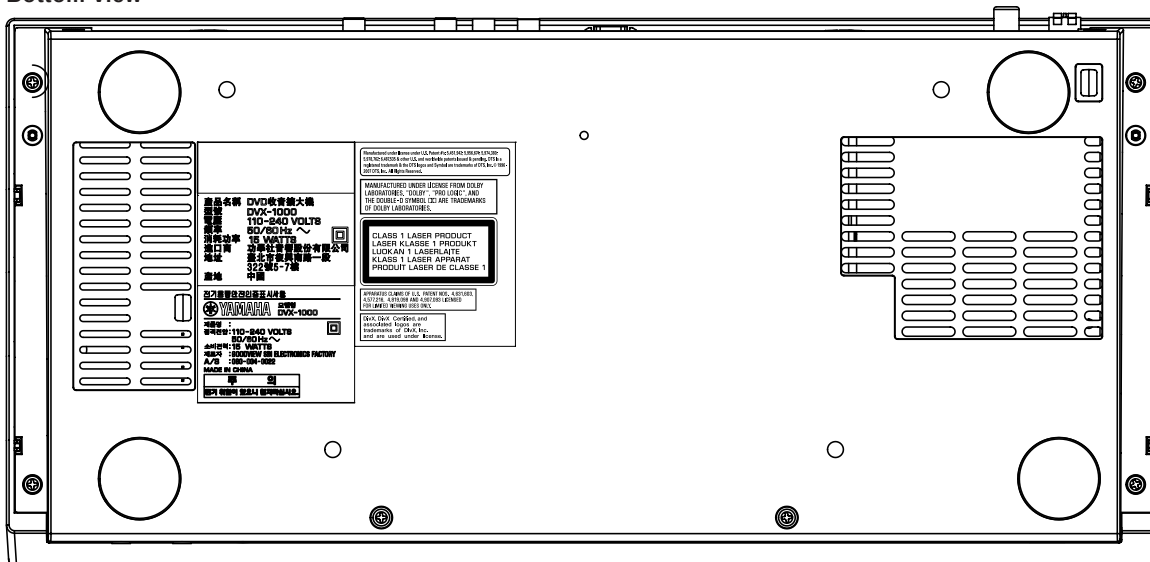
▼ R, K, A, L models

DVR-1000

Rear view

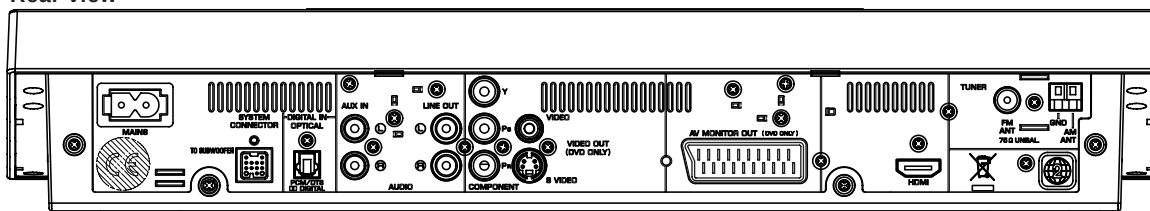


Bottom view

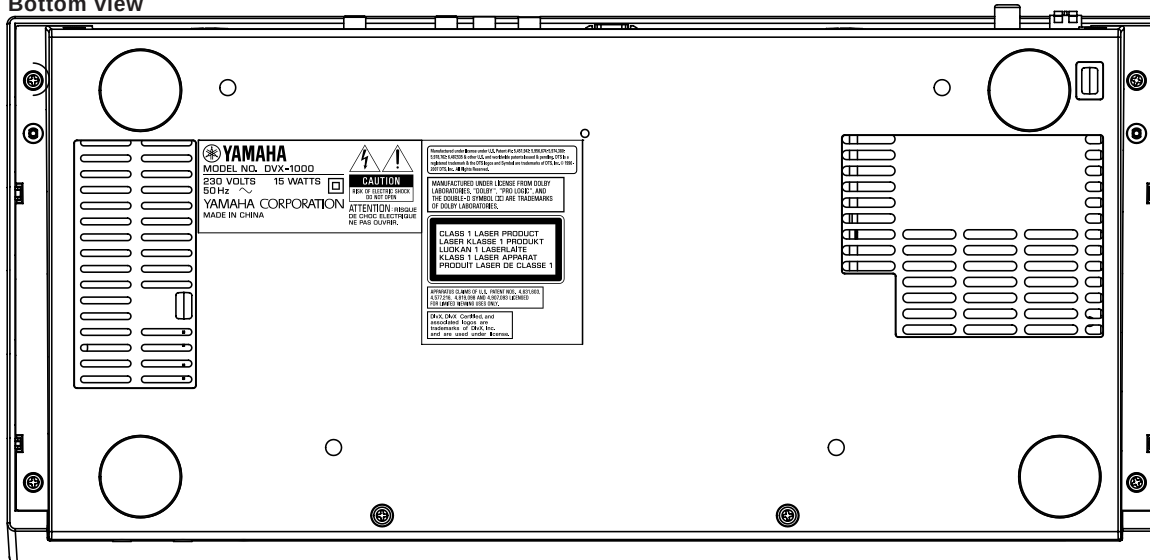


▼ G model

Rear view



Bottom view



DVR-1000

[illegible]

The image shows the rear panel of a Yamaha DX1000 receiver. It features two large vertical ventilation grilles on the left and right sides. The central area contains several regulatory and safety labels. At the top left is the Yamaha logo and model information. To its right is a caution label with a lightning bolt symbol. Below these are two larger labels: one for FCC Class 1 Laser Product compliance and another for CE marking. The bottom of the panel has four circular mounting holes and a small rectangular cutout on the right side.

YAMAHA
MODEL NO. DXV-1000
230 VOLTS 15 WATTS
50/60 Hz
YAMAHA CORPORATION
MADE IN CHINA

CAUTION
HIGH VOLTAGE
DO NOT OPEN
ATTENTION: RISQUE
DE CHOC ELECTRIQUE
NE PAS OUVRI

Manufactured under license from GILBY
LABORATORIES, "CLASS 1" PRODUCT, AND
THE DOUBLE-D SYMBOL (C) ARE TRADEMARKS
OF GILBY LABORATORIES.

CLASS 1 LASER PRODUCT
LASER KLASSE 1 PRODUKT
LICKON 1 LASERKLASSE
KLASSE 1 LASER APPARAT
PRODUIT LASER DE CLASSE 1

POWER CLASS (UL, IEC) NO. 43100
CLASS 1 LASER PRODUCT
LASER KLASSE 1 PRODUKT
LICKON 1 LASERKLASSE
KLASSE 1 LASER APPARAT
PRODUIT LASER DE CLASSE 1

CE MARKING
CONFORME A LA DIRECTIVE
90/269/EEC
L'APPAREIL RESEAU
EST CONFORME A LA
DIRECTIVE 90/269/EEC

Rear view

The rear panel of the VCR features the following controls and connectors from left to right:

- MAIN:** A large rectangular cutout for the main power switch.
- SYSTEM CONNECTOR:** A multi-pin connector for system linking.
- OPTICAL:** A single-pin connector for optical system linking.
- AUX IN:** A 3.5mm stereo jack for auxiliary audio input.
- LINE OUT:** Two RCA jacks for line-level audio output.
- AUDIO:** Two RCA jacks for standard audio output.
- COMPONENT:** Three RCA jacks for component video output, labeled Y, Pb, and Pr.
- VIDEO:** A single-pin connector for video system linking.
- VIDEO OUT (DVD ONLY):** A BNC connector for video output from a DVD player.
- D/O OR MONITOR OUT (DVD ONLY):** A BNC connector for digital output or monitor output from a DVD player.
- LICENSED A/C PATENTS:** A warning label stating: "SEE INSTRUCTION MANUAL FOR PATENT NOTICE. THE 'A/C' LOGO IS A TRADEMARK OF SONY CORPORATION."
- TUNER:** Two RCA jacks for tuner input, labeled FM ANT and 75 Ω UNBAL.
- FM ANT:** A small antenna connector.
- 75 Ω UNBAL:** A BNC connector for unbalanced video input.
- FM ANT:** A small antenna connector.
- 75 Ω UNBAL:** A BNC connector for unbalanced video input.
- FM ANT:** A small antenna connector.
- 75 Ω UNBAL:** A BNC connector for unbalanced video input.

YAMAHA
MODEL NO. DXV-1000

YAMAHA CORPORATION
100 V 16W 80/80Hz

ヤマハ株式会社
MADE IN CHINA

Information on this label is for U.S.A. only. For other countries, please refer to the local regulations.
This label is for the purpose of providing information to the user. It is not a warranty or a guarantee of performance. The user should read the instructions carefully before using the product.

MANUFACTURED UNDER LICENSE FROM COLEY LABORATORIES, "COLEY", "TRI-LOGIC", AND THE DOUBLE-O SYMBOL. THEY ARE TRADEMARKS OF COLEY LABORATORIES.

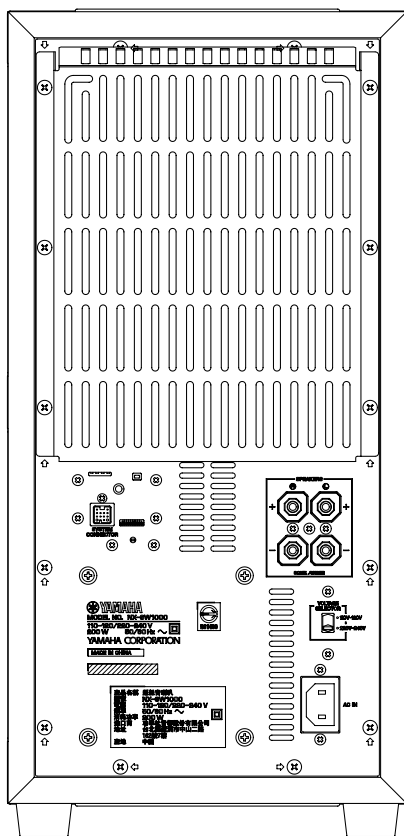
CLASS 1 LASER PRODUCT
LASER KLASSE 1 PRODUKT
LUCKAN 1 LASER-APPARAT
CLASS 1 LASER APPARAT
PRODUIT LASER DE CLASSE 1

AVANTAGE CLASSE 1 LASER KLASSE 1 LASER-APPARAT
LUCKAN 1 LASER-APPARAT
PRODUIT LASER DE CLASSE 1

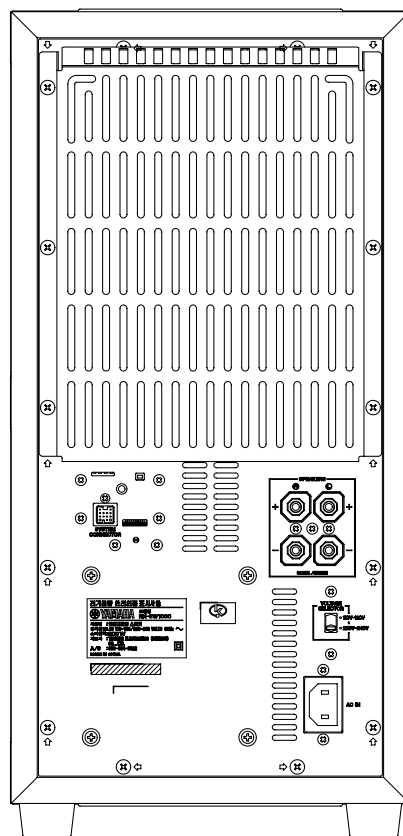
Class 1 Laser Product and associated signs are trademarks of Coley, Inc. and are used under license.

NX-SW1000

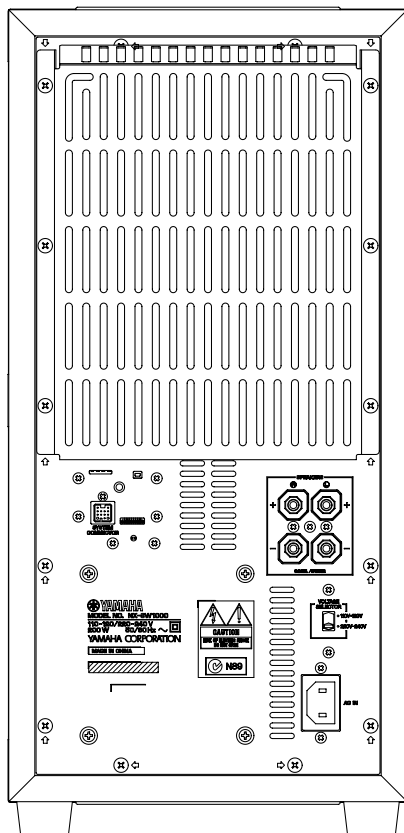
▼ R model



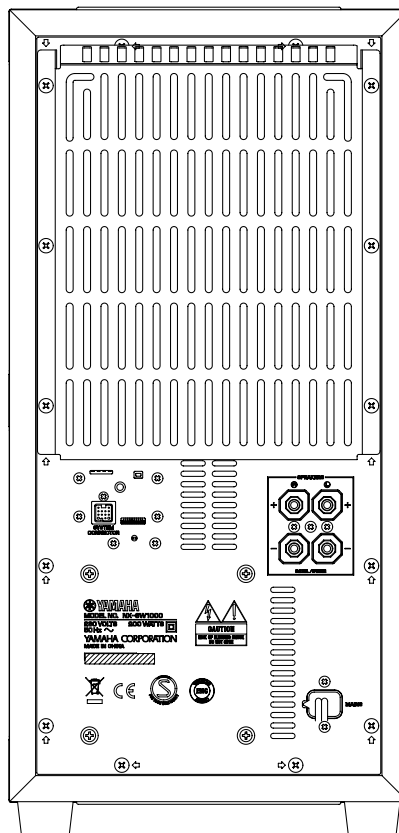
▼ K model



▼ A model

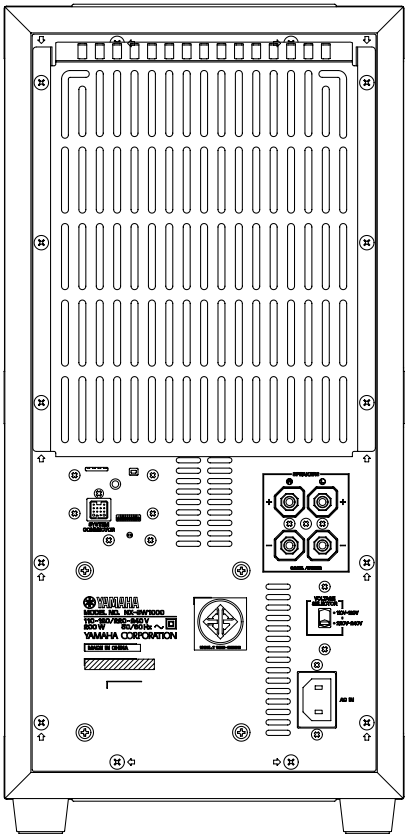


▼ G, F models

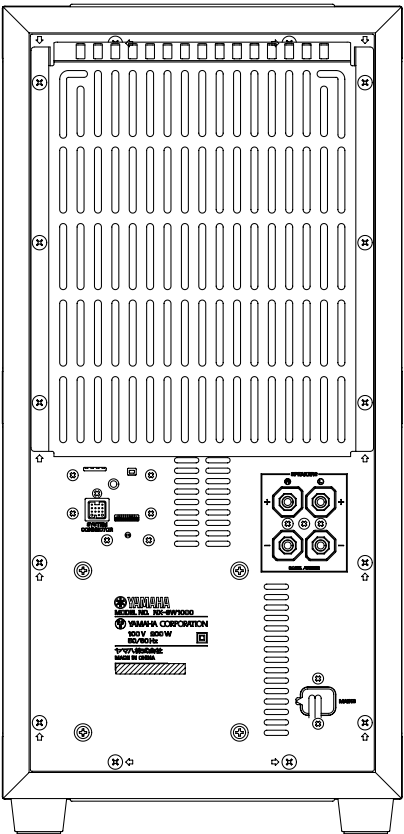


NX-SW1000

▼ L model

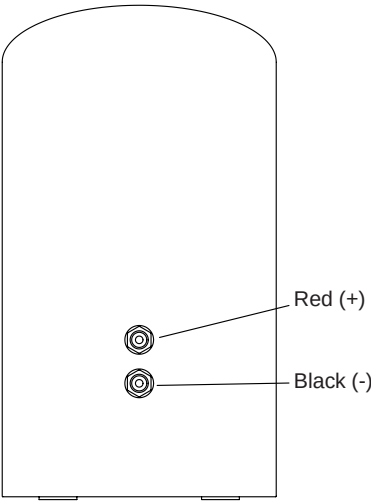


▼ J model

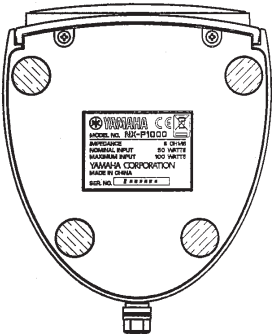


NX-P1000

Rear view

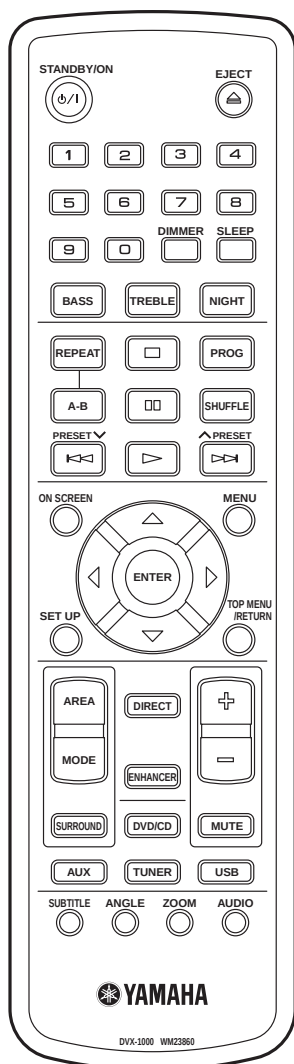


Bottom view

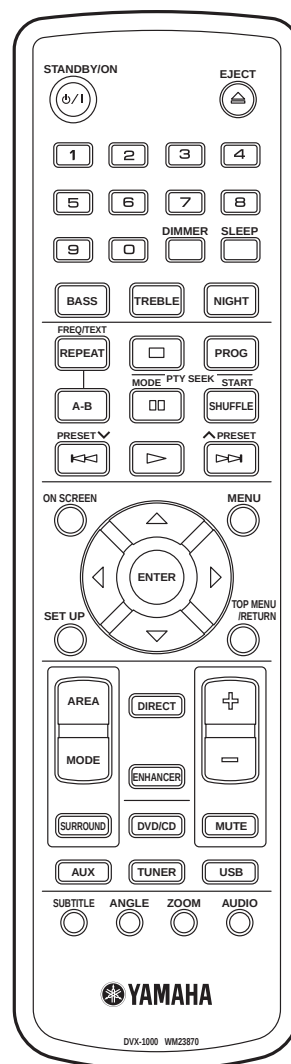


■ REMOTE CONTROL PANELS

▼ R, K, A, L, J models



▼ G, F models



SPECIFICATIONS / 参考仕様

DVR-1000

TUNER SECTION / チューナー部

FM Tuning Range / FM 受信周波数範囲	
R, K, A, G, F, L models	87.50 to 108.00 MHz
J model	76.0 to 90.0 MHz
AM Tuning Range / AM 受信周波数範囲	
K, A, G, F, J models	531 to 1602 kHz
R, L models	531 to 1602 kHz/530 to 1700 kHz

DISC SECTION / ディスク部

Laser Type / レーザータイプ	Semiconductor / 半導体
Disc Diameter / ディスク直径	12cm
Video Decoding / ビデオデコード	MPEG-1 / MPEG-2 / DivX 3.11, 4.x & 5.x / DivX Ultra
Video DAC / ビデオ D A C	12 bits/108 MHz
Signal System / 映像信号方式	PAL / NTSC
Video Format / ビデオフォーマット	4:3 / 16:9
Composite Video Output / コンポジットビデオ出力	1.0 Vp-p, 75 ohms
S-video Output / S ビデオ出力	Y - 1.0 Vp-p, 75 ohms C - 0.3 Vp-p, 75 ohms
RGB (SCART) Output	0.7 Vp-p, 75 ohms
Component Video Output / コンポーネントビデオ出力	Y - 1.0 Vp-p, 75 ohms Pb/Cb Pr/Cr - 0.7 Vp-p, 75 ohms
Audio DAC / オーディオDAC	24 bits / 192 kHz
Frequency Response / 再生周波数帯域	4 Hz to 20 kHz (44.1 kHz) 4 Hz to 22 kHz (48 kHz) 4 Hz to 44 kHz (96 kHz)
Audio S/N / オーディオS/N 比	100 dB
Distortion / 全高調波歪率	0.0035 %
Dynamic Range / ダイナミックレンジ	90 dB

AUDIO FORMAT / オーディオフォーマット

Digital	Dolby Digital/DTS/MPEG Compressed Digital
PCM	16, 20, 24 bits fs 44.1, 48, 88.2, 96, 176.4, 192 kHz
MP3 (ISO 9660)	24, 32, 56, 64, 96, 128, 256 kbps fs 16, 22.05, 24, 32, 44.1, 48 kHz
WMA	32 to 192 kbps, mono, stereo
Full decoding of Dolby Digital and DTS multi-channel sound/ Dolby Surround Compatible Downmix from Dolby Digital multi-channel sound	

GENERAL / 総合

Power Supply Rating / 電源電圧	
R model	220-240 V, 50/60 Hz
K model	220 V, 60 Hz
A model	240 V, 50 Hz
G, F models	230 V, 50 Hz
L model	110-120 V, 50/60 Hz
J model	100 V, 50/60 Hz
Power Consumption / 消費電力	
	26 W (Max.) / (最高) 0.5 W (Standby) / (スタンバイ)
Frequency Response	20 Hz to 20 kHz±0.2 dB
Signal to Noise Ratio	> 100 dB
Input Sensitivity	SCART In (G, F models only) 500 mV
HDMI Output / HDMI 出力	Type A
USB	Type A
AUX IN (Stereo mini) / AUX IN (ステレオミニ)	ø3.5 mm mini jack / ミニジャック
Dimensions / 外形寸法 (W x H x D)	
	435 x 78 (rear)/38 (front) x 208 mm (17-1/8" x 3-1/16"/1-1/2" x 8-3/16")
Weight / 質量	3.2 kg (7 lbs. 1 oz.)
Finish / 仕上げ	Black color
Accessories / 付属品	Remote Control x1 Battery x2 Indoor FM Antenna x1 AM Loop Antenna x1 Video Pin Cable (1.5m) x1 Power Cable (1.5m) x1

* **Specifications subject to change without prior notice.**
仕様および外観は、改良のため予告なく変更することがあります。

NX-SW1000

AMPLIFIER SECTION / アンプ部

Output Power / 実用最大出力

R, K, A, L models

120/240V

L/R	70W+70W (1KHz 0.9% L+R)
	90W+90W (1KHz 10% L+R)
Subwoofer	80W (100Hz 0.9%)
	100W (100Hz 10%)

110/220V

L/R	60W+60W (1KHz 0.9% L+R)
	75W+75W (1KHz 10% L+R)
Subwoofer	70W (100Hz 0.9%)
	90W (100Hz 10%)

G, F models

L/R	70W+70W (1KHz 0.7% L+R)
	90W+90W (1KHz 10% L+R)
Subwoofer	80W (100Hz 0.9%)
	100W (100Hz 10%)

J model

L/R	90W+90W (1KHz 10%)
Subwoofer	100W (100Hz 10%)

GENERAL / 総合

Power Supply Rating / 電源電圧

R, K, A, L models	110-120/220-240V, 50/60Hz
G and F models	230 V, 50 Hz
J model	100V, 50/60Hz

Power Consumption / 消費電力

200 W

System / 型式

Advanced Yamaha Active
Servo Technology
アドバンスドヤマハアクティブ
サーボテクノロジー

Impedance / インピーダンス 6 ohms

Speaker Driver / スピーカーユニット

16cm cone woofer, magnetic
shielding type
16cm コーンウーファー(防磁型)

Frequency Response / 再生周波数帯域

35Hz – 100Hz (-10dB)

Input Sensitivity / 入力感度

AUX In 300 mV

Dimensions / 外形寸法(W x H x D)

230 x 477 x 440 mm
(9-1/16" x 18-3/4" x 17-5/16")

Weight / 質量

16.0 kg (35 lbs. 4 oz.)

Finish / 仕上げ

Black color

Accessories / 付属品

System Control Cable (4m) x1

Power Cable (1.5m) x1 (R, K, A, L models)

* **Specifications subject to change without prior notice.**

仕様および外観は、改良のため予告なく変更することがあります。

NX-P1000

System / 型式 2-way acoustic suspension speaker system

2ウェイ密閉式

Impedance / インピーダンス 6 ohms

Speaker Drivers / スピーカーユニット

11.0cm woofer, magnetic shielding type
+ 2.5cm soft dome tweeter, magnetic
shielding type
11.0 cm ウーファー(防磁型)+
2.5cm ソフトドームツイーター(防磁型)

Frequency Response / 再生周波数帯域

100 Hz – 20 kHz (-10dB)

Dimensions / 外形寸法 (W x H x D)

145 x 262 x 178 mm
(5-11/16" x 10-5/16" x 7")

Weight / 質量

2.9 kg (6 lbs. 6 oz.)

Finish / 仕上げ

Black color

Accessories / 付属品

Speaker Cable (4m) x2

* **Specifications subject to change without prior notice.**

仕様および外観は、改良のため予告なく変更することがあります。

R General model

F Russian model

K Korean model

L Singapore model

A Australian model

J Japanese model

G European model



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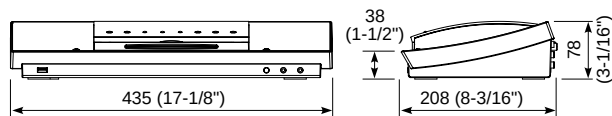
This subwoofer system (NX-SW1000) employs Advanced Yamaha Active Servo Technology which Yamaha has developed for reproducing higher quality super-bass sound.



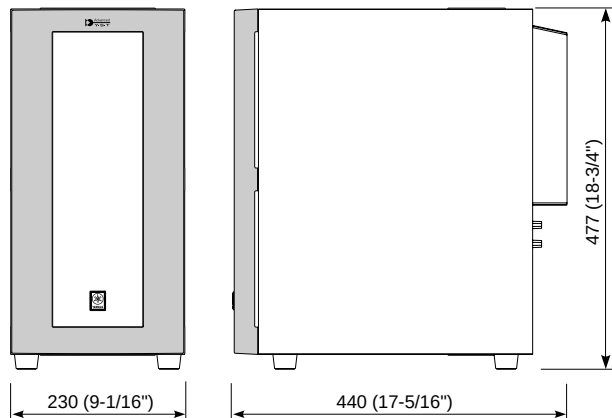
AAC ロゴマークはドルビーラボラトリーズの商標です。

DIMENSIONS

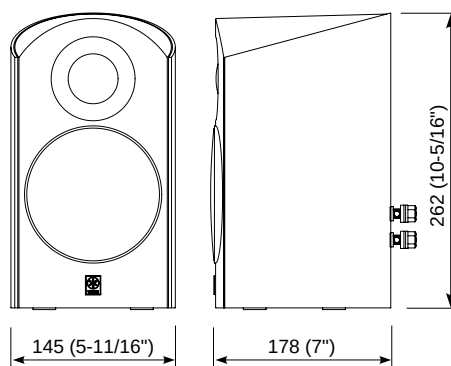
● DVR-1000



● NX-SW1000



● NX-P1000

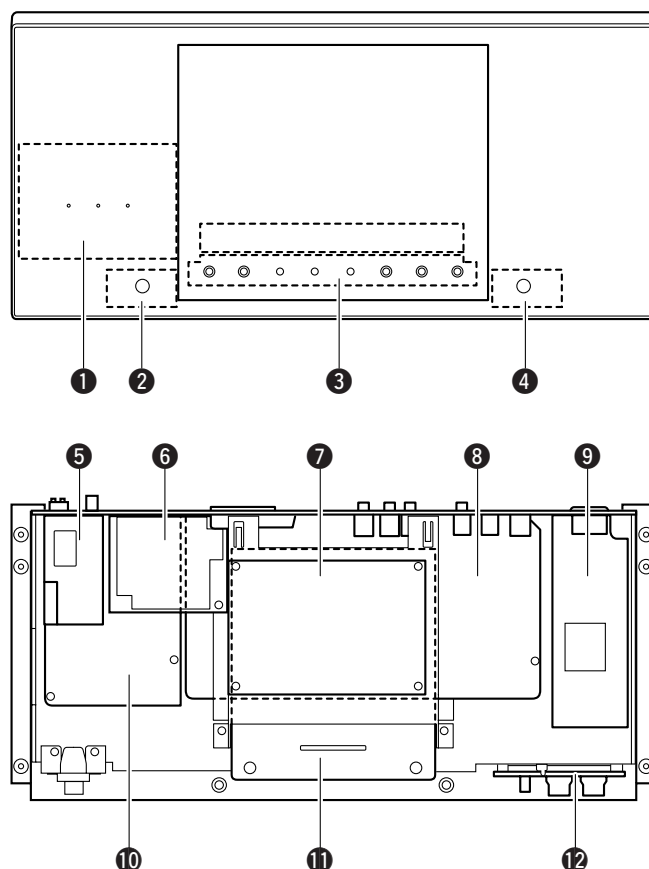


Unit : mm (inch)

INTERNAL VIEW

DVR-1000

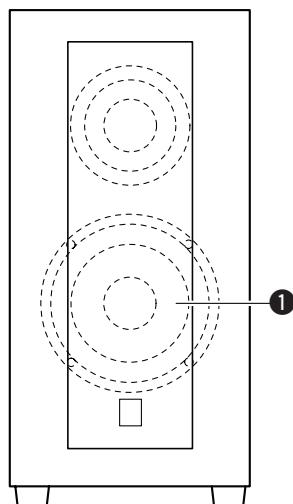
Top view



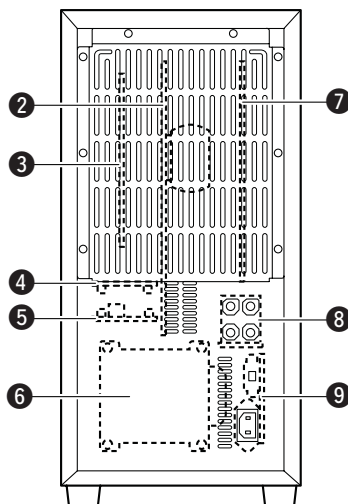
- ① FRONT (1) P.C.B.
- ② FRONT (4) P.C.B.
- ③ FRONT (2) P.C.B.
- ④ FRONT (5) P.C.B.
- ⑤ AM/FM TUNER
- ⑥ USB P.C.B.
- ⑦ MONO P.C.B.
- ⑧ AV P.C.B.
- ⑨ POWER SUPPLY UNIT
- ⑩ HDMI P.C.B.
- ⑪ LOADER ASS'Y
- ⑫ FRONT (3) P.C.B.

NX-SW1000

Front view



Rear view



- ① DRIVER WOOFER
- ② MAIN (1) P.C.B.
- ③ DSP (1) P.C.B.
- ④ DSP (3) P.C.B.
- ⑤ DSP (2) P.C.B.
- ⑥ POWER TRANSFORMER
- ⑦ MAIN (2) P.C.B.
- ⑧ MAIN (4) P.C.B.
- ⑨ MAIN (3) P.C.B.

■ DISASSEMBLY PROCEDURES / 分解手順

(Remove parts in the order as numbered.)

(番号順に部品を取り外してください。)

DVR-1000

1. Removal of Top Cabinet

- a. Remove 6 screws (①) and 2 screws (②). (Fig. 1)
- b. Release 4 hooks and then pull out the top cabinet slowly. (Fig. 2)
- c. Remove 1209, 1303 and CN3. (Fig. 2)
- d. Remove the top cabinet. (Fig. 2)

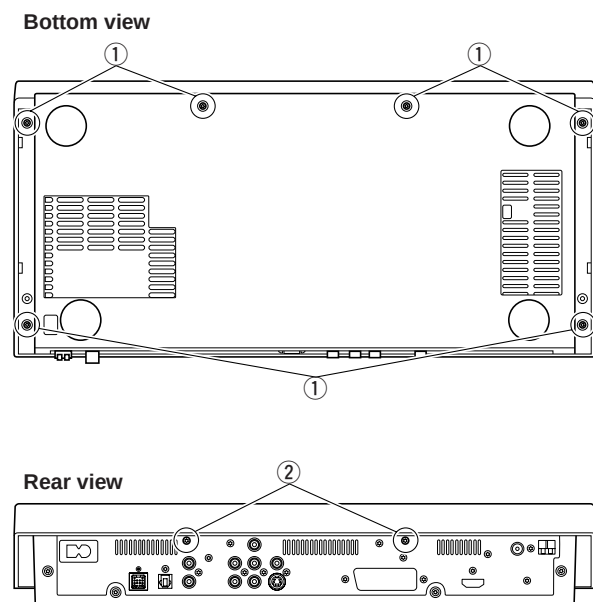


Fig. 1

2. Removal of Loader Ass'y

- a. Remove screw (③) and screw (④). (Fig. 3)
- b. Remove 1100 and 1103. (Fig. 3)
- c. Remove the USB P.C.B.. (Fig. 3)
- d. Remove 2 screws (⑤) and 2 screws (⑥). (Fig. 3)
- e. Unlock 1101 and then disconnect the flexible flat cable, and ground the terminal face of the flexible flat cable with a clip or the like. (Fig. 3)
- f. Remove 1102, 1104, 1105 and 1110. (Fig. 3)
- g. Unlock 1301, 1302 and 1304 and then disconnect the flexible flat cable. (Fig. 3)
- h. Remove MONO P.C.B. together with the support MPEG. (Fig. 3)
- i. Remove 4 screws (⑦). (Fig. 3)
- j. Remove the loader ass'y. (Fig. 3)

1. トップキャビネットの外し方

- a. ① のネジ 6 本、② のネジ 2 本を外します。 (Fig. 1)
- b. フック 4 箇所を外し、トップキャビネットをゆっくり外します。 (Fig. 2)
- c. 1209、1303、CN3 を外します。 (Fig. 2)
- d. トップキャビネットを取り外します。 (Fig. 2)

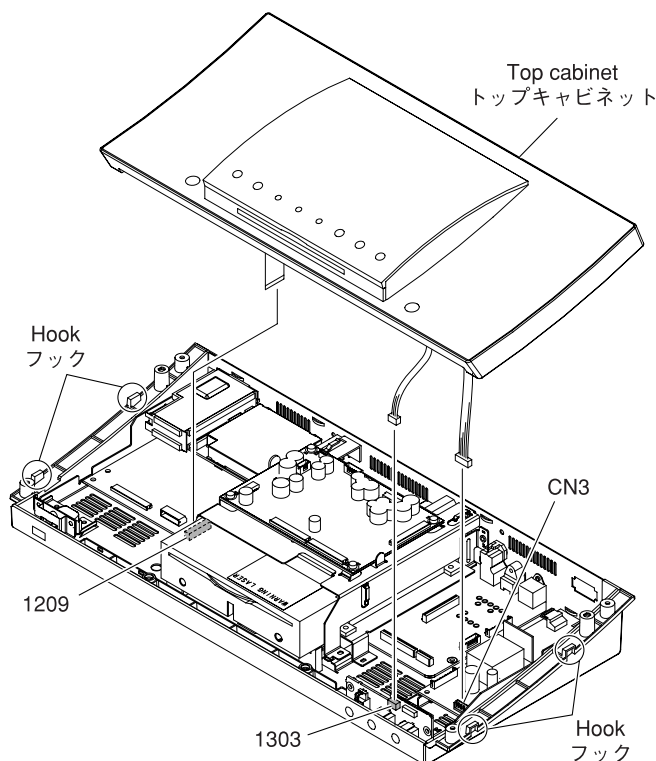


Fig. 2

2. ローダー ASSY の外し方

- a. ③ のネジ 1 本、④ のネジ 1 本を外します。 (Fig. 3)
- b. 1100、1103 を外します。 (Fig. 3)
- c. USB PCB を取り外します。 (Fig. 3)
- d. ⑤ のネジ 2 本、⑥ のネジ 2 本を外します。 (Fig. 3)
- e. 1101 のロックを解除してカード電線を外します。次に外したカード電線のクリップ等で端子面をアースします。 (Fig. 3)
- f. 1102、1104、1105、1110 を外します。 (Fig. 3)
- g. 1301、1302、1304 のロックを解除してカード電線を外します。 (Fig. 3)
- h. MONO P.C.B. をサポート MPEG と一緒に取り外します。 (Fig. 3)
- i. ⑦ のネジ 4 本を外します。 (Fig. 3)
- j. ローダー ASSY を取り外します。 (Fig. 3)

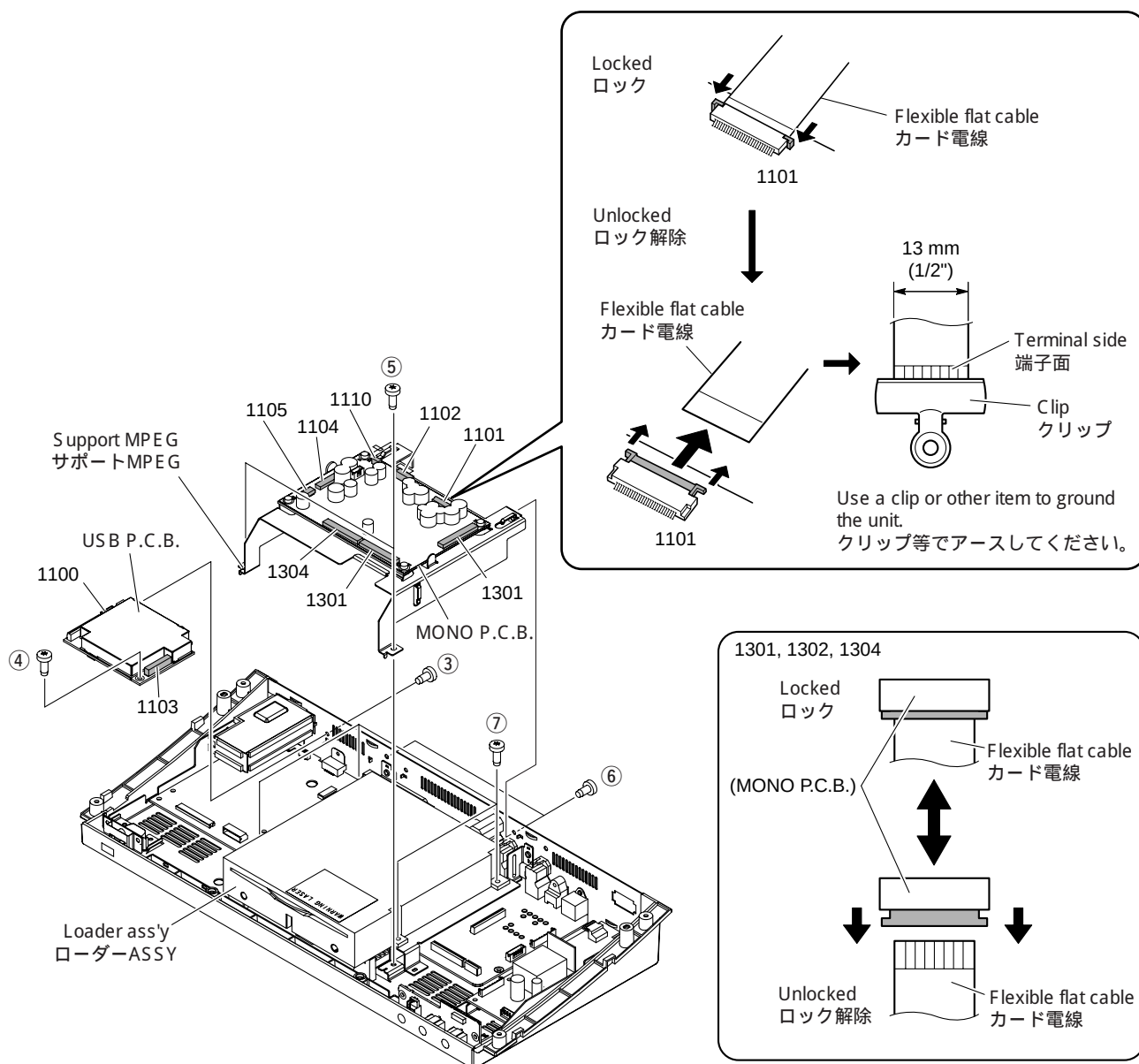


Fig. 3

* How to manually eject a disc

If the inserted disc cannot be ejected, it is possible to eject it manually.

- a. Remove the Loader ass'y. (Refer to Disassembly Procedures)
- b. Turn the loading gear in the arrow direction until the disc is ejected. (Fig. 4)

* 手動でディスクを取り出す方法

挿入したディスクが取り出せない場合、手動で取り出すことができます。

- a. ローダー ASSY を取り外します。(分解手順参照)
- b. ディスクが取り出せるまで、ローディングギアを矢印の方向に回します。(Fig. 4)

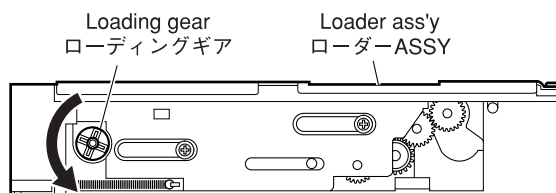


Fig. 4

Disassembly Procedure of Front section

1. Removal of Front Panel Sub Ass'y

- * The front panel sub ass'y is fixed to the cabinet ass'y with dowels.

As a flatblade screwdriver and metalblade or the like are used for removal, give special care not to cause damage to the cabinet ass'y.

- First, insert a flatblade screwdriver at 2 locations on the bottom to push up the front panel sub ass'y. (Fig. 6)
- Then, using a metalblade or the like, push up the front panel sub ass'y to remove it. (Fig. 6)

Notes:

- When removing the front panel sub ass'y, use both flatblade screwdriver and the metalblade on the like to prevent possible deformation of the front panel sub ass'y.
- When installing the front panel sub ass'y, apply quick-drying bond or the like to dowels and then fit them into dowel holes for secure installation.
(The front grille ass'y will come off easily without quick-drying bond or the like.)

2. Removal of Driver Woofer

- Remove 4 screws (①). (Fig. 6)
- Pull out the driver woofer.
- Disconnect the connector connected to the terminal of the driver woofer. (Fig. 6)
- Remove the driver woofer. (Fig. 6)

フロント部の分解手順

1. F パネルサブ ASSY の外し方

- * F パネルサブ ASSY はキャビネット ASSY にダボで固定されています。
マイナスドライバーおよびヘラ等を使って取り外す場合、キャビネット ASSY に傷が付かないよう十分注意してください。

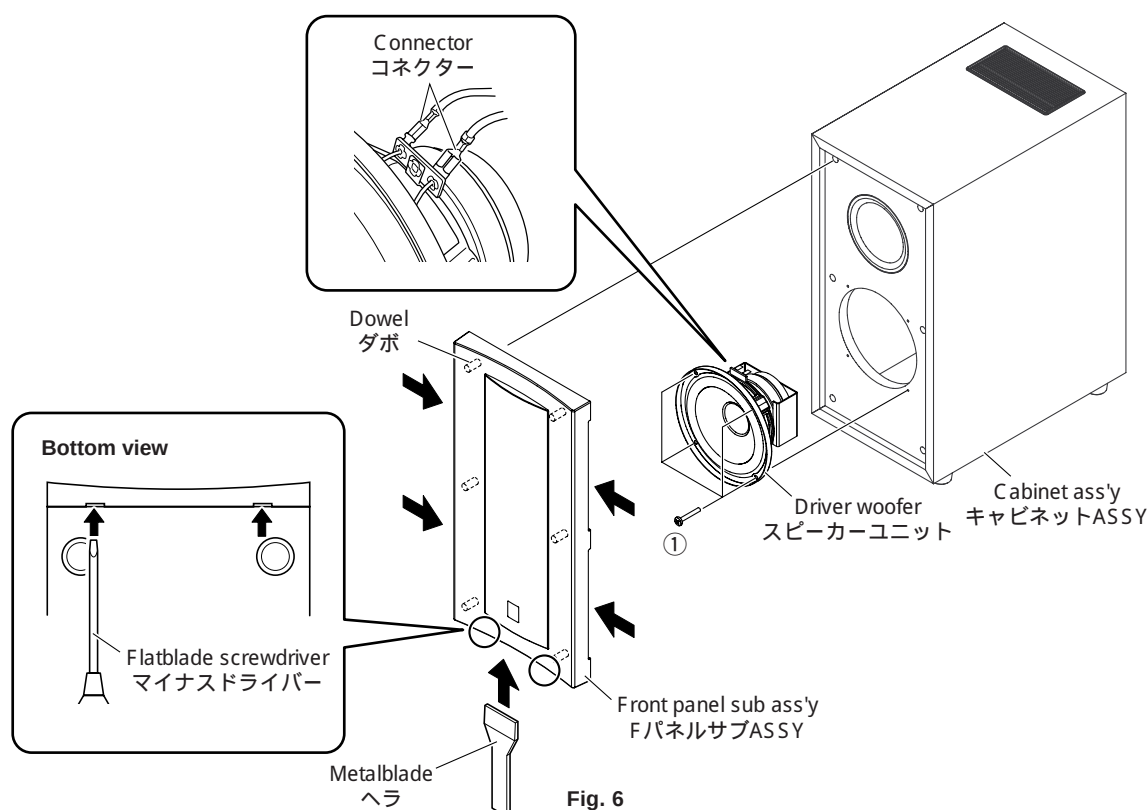
- 最初に、底面の 2 箇所へマイナスドライバを差し込み、F パネルサブ ASSY を押し上げます。(Fig. 6)
- 次に、ヘラ等を使い、F パネルサブ ASSY を押し上げ、取り外します。(Fig. 6)

注意:

- F パネルサブ ASSY を取り外すとき、ヘラ等を使わずマイナスドライバーのみで取り外すと F パネルサブ ASSY が壊れてしまいます。
- F パネルサブ ASSY を取り付けるとき、F パネルサブ ASSY のダボに速乾ボンド塗って差し込み、取り付けください。
(速乾ボンド塗らずに F パネルサブ ASSY を差し込むだけでは、簡単に外れてしまいます。)

2. スピーカーユニットの外し方

- ① のネジ 4 本を外します。(Fig. 6)
- スピーカーユニットを引き出します。(Fig. 6)
- スピーカーユニットの端子からコネクターを外します。(Fig. 6)
- スピーカーユニットを取り外します。(Fig. 6)



Disassembly Procedure of Rear section

1. Removal of Rear Panel Ass'y

- Remove 8 screws (①). (Fig. 7)
- Remove the rear cover. (Fig. 7)
- Remove 6 screws (②). (Fig. 7)
- Pull out the rear panel ass'y slowly. (Fig. 7)
- Remove CB15. (Fig. 7)
- Remove the rear panel ass'y. (Fig. 7)

When Checking the P.C.B.:

- Connect all the removed connectors during disassembly back to its original positions.
- Spread the rubber sheet and cloth for insulation purpose and place the rear panel ass'y on them. (Fig. 8)

リア部の分解手順

1. リアパネルASSY の外し方

- ① のネジ 8 本を外します。 (Fig. 7)
- リアカバーを取り外します。 (Fig. 7)
- ② のネジ 6 本を外します。 (Fig. 7)
- リアパネルASSY をゆっくり引き出します。 (Fig. 7)
- CB15 を外します。 (Fig. 7)
- リアパネルASSY を取り外します。 (Fig. 7)

P.C.B. をチェックをする場合には：

- 外したケーブル（コネクター）をすべて元に戻します。
- ゴムシートと布を敷き、その上にリアパネルASSY を置いてチェックします。 (Fig. 8)

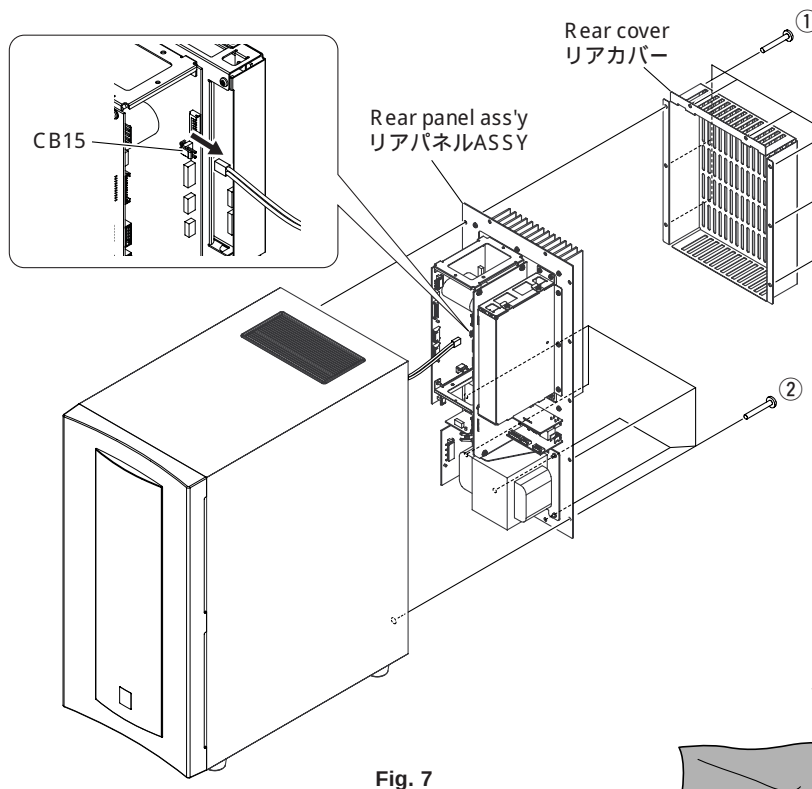


Fig. 7

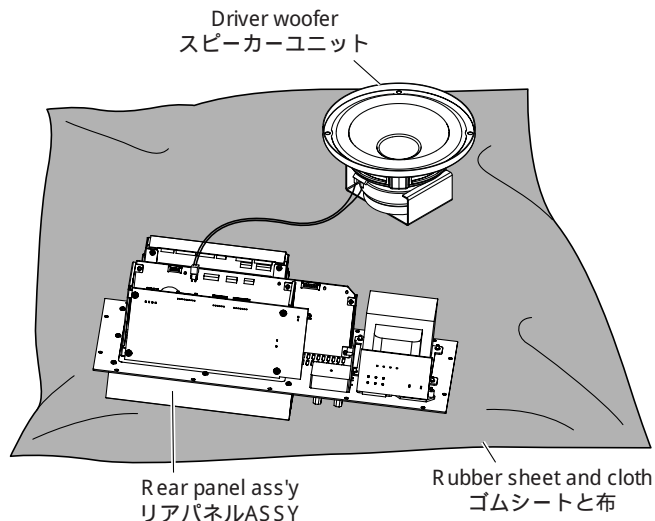


Fig. 8

1. Removal of Cover Bottom Ass'y

a. Remove 4 nonskid pads. (Fig. 9)

* **The old nonskid pad once removed cannot be reused.**
Be sure to replace them with new ones.

b. Remove 4 screws (①) and 2 screws (②). (Fig. 9)

c. Pull out the cover bottom ass'y downward gradually. (Fig. 10)

d. Disconnect 6 connectors and then remove cover bottom ass'y. (Fig. 10)

Note: Make sure that all the removed connectors parts are reinstalled at specified positions.

2. Removal of Front Panel Ass'y

a. Remove 4 screws (③). (Fig. 10)

b. Slide the lower part of the front panel ass'y forward gradually and remove it from 4 dowels. (Fig. 3)

* **At this time, use care not to cause damage to the hook in the upper part of the front panel ass'y.**

* **When installing the front panel ass'y, fit the hook in its upper part first and then install it by 4 dowels.**

3. Removal of Driver Woofer

a. Remove 4 screws (④) and then remove the driver woofer. (Fig. 10)

1. カバーボトム ASSY の外し方

a. 滑り止めパッド 4 個を外します。 (Fig. 9)

* 一度取り外した滑り止めパッドは使用できません。必ず、新しい滑り止めパッドに交換してください。

b. ① のネジ 4 本、② のネジ 2 本を外します。 (Fig. 9)

c. カバーボトム ASSY を下方へゆっくり引き出します。 (Fig. 10)

d. コネクター 6 個を外し、カバーボトム ASSY を取り外します。 (Fig. 10)

注意: 取り外したコネクターはすべて決められた位置に取り付けてください。

2. フロントパネル ASSY の外し方

a. ③ のネジ 4 本を外します。 (Fig. 10)

b. フロントパネル ASSY の下側を前方にゆっくりスライドさせ、ダボ 4 箇所を外します。 (Fig. 3)

* このとき、フロントパネル ASSY の上側のフックを壊さないように注意してください。

* フロントパネル ASSY を取り付ける場合は、最初に上側のフックを差し込み、次にダボ 4 箇所へ取り付けます。

3. スピーカーユニット(ウーファー)の外し方

a. ④ のネジ 4 本を外し、スピーカーユニット(ウーファー)を取り外します。 (Fig. 10)

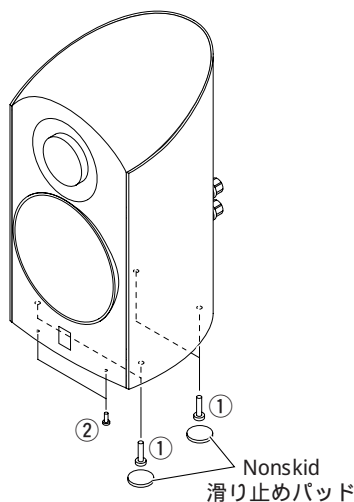


Fig. 9

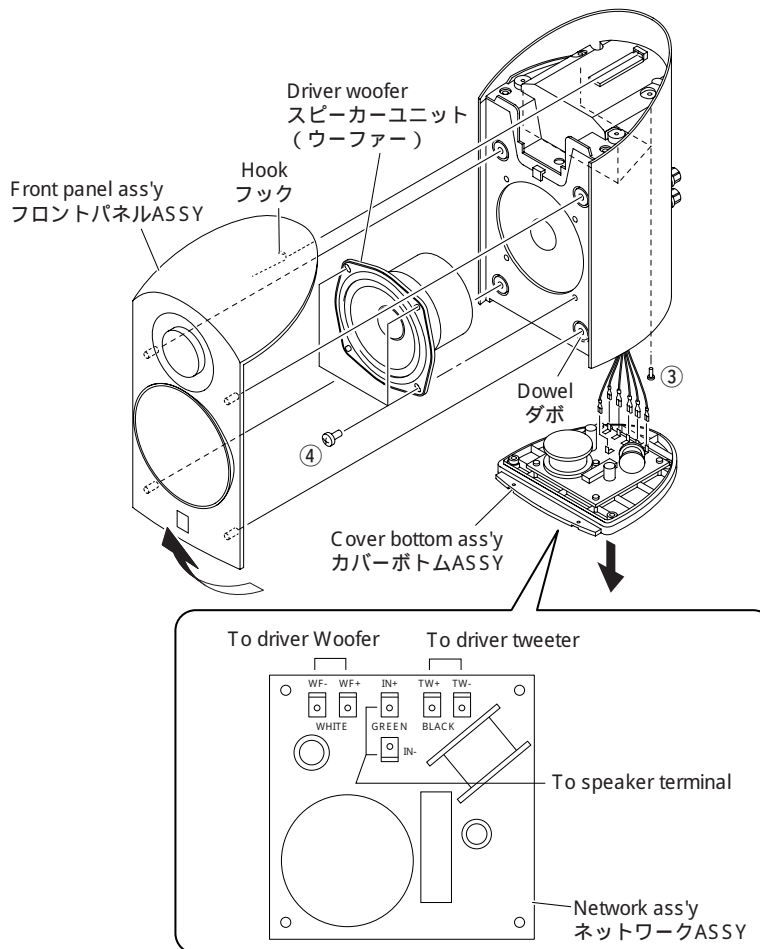


Fig. 10

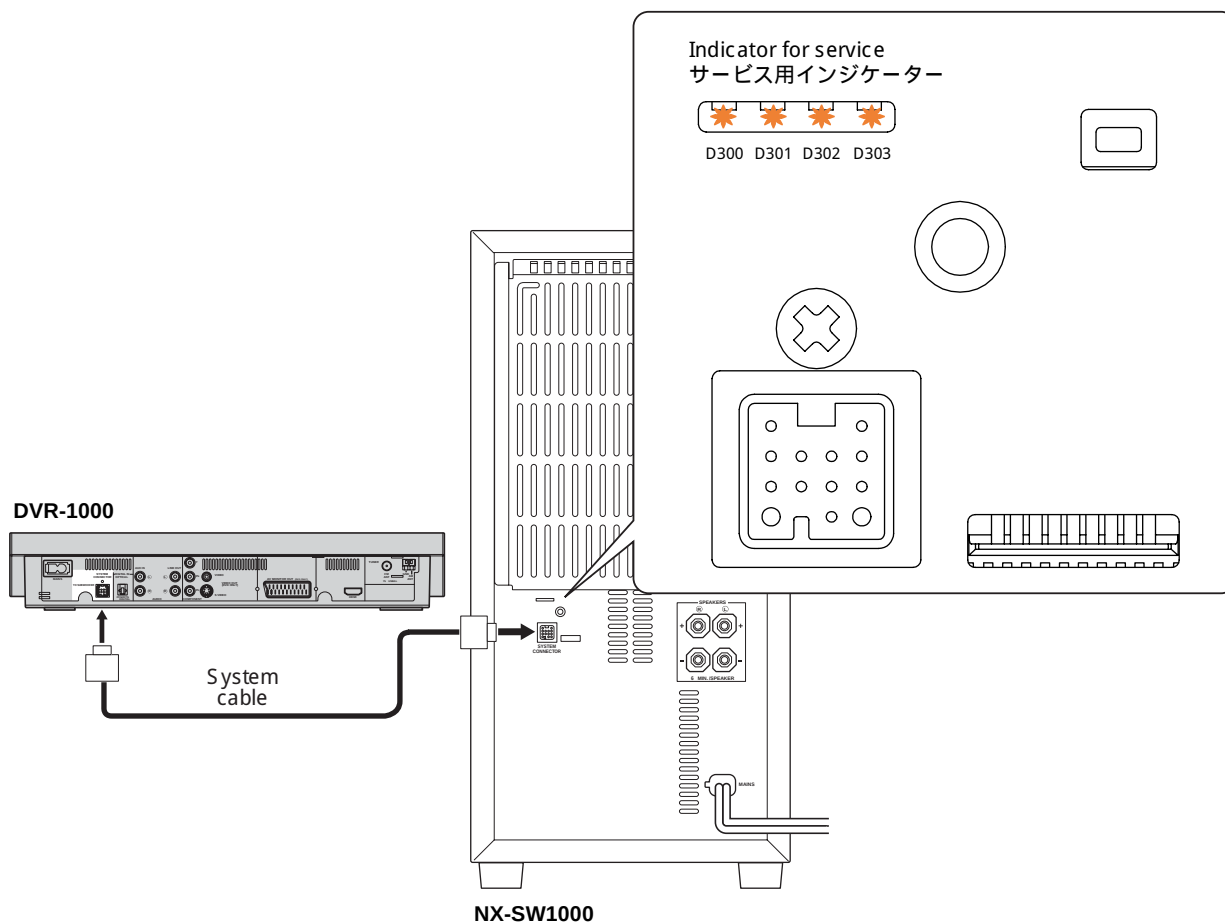
■ PROTECTION INFORMATION DISPLAY / プロテクション情報の表示

Connect the DVR-1000 system connector and NX-SW1000 system connector by using the system cable and then connect the power cables of DVR-1000 and NX-SW1000 to AC outlets.

Turn on the power by pressing the STANDBY/ON key of DVR-1000 or STANDBY/ON key of the remote controller. At this time, if the indicator for service on the rear panel of NX-SW1000 is flashing, the normal operation is not available because the protection function is at work.

The protection information is provided by the indicator for service on the rear panel of NX-SW1000.

DVR-1000のシステムコネクターとNX-SW1000のシステムコネクターをシステムケーブルで接続し、DVR-1000とNX-SW1000の電源コードをACコンセントに接続します。DVR-1000のSTANDBY/ONキーまたはリモコンのSTANDBY/ONキーを押し電源オンしたとき、NX-SW1000リアパネルのサービス用インジケーターが点滅表示している場合、プロテクションが動作しているため正常動作させることができません。プロテクションの情報は、NX-SW1000リアパネルにあるサービス用インジケーターを使って表示します。



Displayed / 表示 (★ : Flashing / 点滅, ● : Off / 消灯)				Types of protection function / プロテクションの種類
D300	D301	D302	D303	
●	●	●	●	Normal (no protection function) / 正常(プロテクション無し)
●	●	●	★	I protection / 過電流プロテクション
●	●	★	●	PS1 protection / 電源電圧1プロテクション
●	●	★	★	PS2 protection / 電源電圧2プロテクション
●	★	●	●	PS3 protection / 電源電圧3プロテクション
●	★	●	★	THM protection / 温度プロテクション
●	★	★	●	AMP DC protection / アンプDCプロテクション

● Details of Protection Information

1. I protection

Cause : Excess current flow into amplifier
Detection port : PRI (DSP P.C.B. 73 pin of microprocessor IC13)
Detected at : Amplifier output of MAIN P.C.B.

2. PS1 protection

Cause : The voltage in the power supply section is abnormal.
Detection port : PRV1 (DSP P.C.B. 95 pin of microprocessor IC13)
Detected at : +12V (IC10 of MAIN P.C.B.), -12V (IC11 of MAIN P.C.B.), +5V (IC12 of MAIN P.C.B.)

3. PS2 protection

Cause : The voltage in the power supply section is abnormal.
Detection port : PRV2 (DSP P.C.B. 94 pin of microprocessor IC13)
Detected at : AC2 (D23 of MAIN P.C.B.), +5V (IC12 of MAIN P.C.B.)

3. PS3 protection

Cause : The voltage in the power supply section is abnormal.
Detection port : PRV3 (DSP P.C.B. 93 pin of microprocessor IC13)
Detected at : AC1 (D24 of MAIN P.C.B.), +5V (IC12 of MAIN P.C.B.)

4. THM protection

Cause : Abnormal temperature of heat sink.
Detection port : THM (DSP P.C.B. 92 pin of microprocessor IC13)
Detected at : IC14 of MAIN P.C.B.

5. AMP DC protection

Cause : Abnormal DC voltage of amplifier output L/R/SW.
Detection port : PRD (DSP P.C.B. 97 pin of microprocessor IC13)
Detected at : SPE_L of speaker output L, SPE_R of speaker output R, SP- of subwoofer output.

● プロテクション情報の詳細

1. 過電流プロテクション

原因 : アンプ部に過電流が流れた。
検出ポート : PRI (DSP P.C.B. マイコンIC13の73ピン)
検出先 : MAIN P.C.B.のアンプ出力

2. 電源電圧1プロテクション

原因 : 電源部の電圧が異常。
検出ポート : PRV1 (DSP P.C.B. マイコンIC13の95ピン)
検出先 : +12V (IC10 MAIN P.C.B.), -12V (IC11 MAIN P.C.B.), +5V (IC12 MAIN P.C.B.)

3. 電源電圧2プロテクション

原因 : 電源部の電圧が異常。
検出ポート : PRV2 (DSP P.C.B. マイコンIC13の94ピン)
検出先 : AC2 (D23 MAIN P.C.B.), +5V (IC12 MAIN P.C.B.)

3. 電源電圧3プロテクション

原因 : 電源部の電圧が異常。
検出ポート : PRV3 (DSP P.C.B. マイコンIC13の93ピン)
検出先 : AC1 (D24 MAIN P.C.B.), +5V (IC12 MAIN P.C.B.)

4. 温度プロテクション

原因 : ヒートシンクの温度が異常。
検出ポート : THM (DSP P.C.B. マイコンIC13の92ピン)
検出先 : IC14 MAIN P.C.B.

5. アンプDCプロテクション

原因 : アンプ出力L/R/SWのDC電圧が異常。
検出ポート : PRD (DSP P.C.B. マイコンIC13の97ピン)
検出先 : SPE_L (スピーカー出力L)、SPE_R (スピーカー出力R)、SP- (サブウーファー出力)

NX-SW1000

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

* *It is not possible to activate the self-diagnostic function while the protection function is at work.*

* *To operate the self-diagnostic function, prepare DVR-1000, NX-SW1000, system cable and remote controller in advance.*

* プロテクションが動作しているときにダイアグを起動することはできません。

* ダイアグ（自己診断機能）を操作するときには、DVR-1000、NX-SW1000、システムケーブルおよびリモコンを用意してください。

There are 14 main menu items, each of which has submenu items.

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

メインメニューは14個あり、そのそれぞれにサブメニューがあります。

下表はメニュー一覧です。

Displayed / 表示 (*1)				No.	Main menu	Sub-menu
D300	D301	D302	D303			
●	●	●	★	1	DSP THROUGH 1	1 MASTER Vol. -90 dB 2 MASTER Vol. -40 dB 3 MASTER Vol. -20 dB 4 MASTER Vol. -0 dB
●	●	★	●	2	MUTE CHECK	1 MUTE OFF (Vol. -20 dB) 2 SPEAKERS MUTE 3 FRONT L/R MUTE 4 SUBWOOFER MUTE
●	●	★	★	3	RESERVED (Not applied to this model / このモデルには適応されません)	
●	★	●	●	4	OUTPUT PORT CHECK	1 (Not applied to this model / このモデルには適応されません) 2 (Not applied to this model / このモデルには適応されません) 3 PATTERN 1 4 PATTERN 2
●	★	●	★	5	TEST TONE	1 ALL CHANNEL 2 TURN CHANGEOVER 3 SUBWOOFER 4 FRONT L/R 1kHz, SUBWOOFER 100Hz
●	★	★	●	6	RESERVED (Not applied to this model / このモデルには適応されません)	
●	★	★	★	7	DEVICE CHECK	1 DEVICE CHECK 2 (Not applied to this model / このモデルには適応されません) 3 (Not applied to this model / このモデルには適応されません) 4 (Not applied to this model / このモデルには適応されません)
★	●	●	●	8	CPU INFORMATION	1 FIRMWARE VERSION 2 (Not applied to this model / このモデルには適応されません) 3 SERIAL VERSION BIT 4-7 4 SERIAL VERSION BIT 3-0
★	●	●	★	9	EMC TEST	1 EMC TEST 2 (Not applied to this model / このモデルには適応されません) 3 (Not applied to this model / このモデルには適応されません) 4 (Not applied to this model / このモデルには適応されません)

Displayed / 表示 (*1)				No.	Main menu	Sub-menu
D300	D301	D302	D303			
✳	●	✳	●	10	RESERVED (Not applied to this model / このモデルには適応されません)	
✳	●	✳	✳	11	RESERVED (Not applied to this model / このモデルには適応されません)	
✳	✳	●	●	12	RESERVED (Not applied to this model / このモデルには適応されません)	
✳	✳	●	✳	13	DSP PROGRAM WRITING	1 READY FOR WRITING
						2 (Not applied to this model / このモデルには適応されません)
						3 (Not applied to this model / このモデルには適応されません)
						4 WRITING START
✳	✳	✳	●	14	RESERVED (Not applied to this model / このモデルには適応されません)	

*1..... ★ : Flashing / 点滅, ● : Off / 消灯

● Starting Self-Diagnostic Function

Connect the DVR-1000 system connector and NX-SW1000 system connector by using the system cable and then connect the power cables of DVR-1000 and NX-SW1000 to AC outlets.

Next, turn on the power by pressing the STANDBY/ON key of DVR-1000 or STANDBY/ON key of the remote controller while pressing the key for service (SW300) on the rear panel of NX-SW1000.

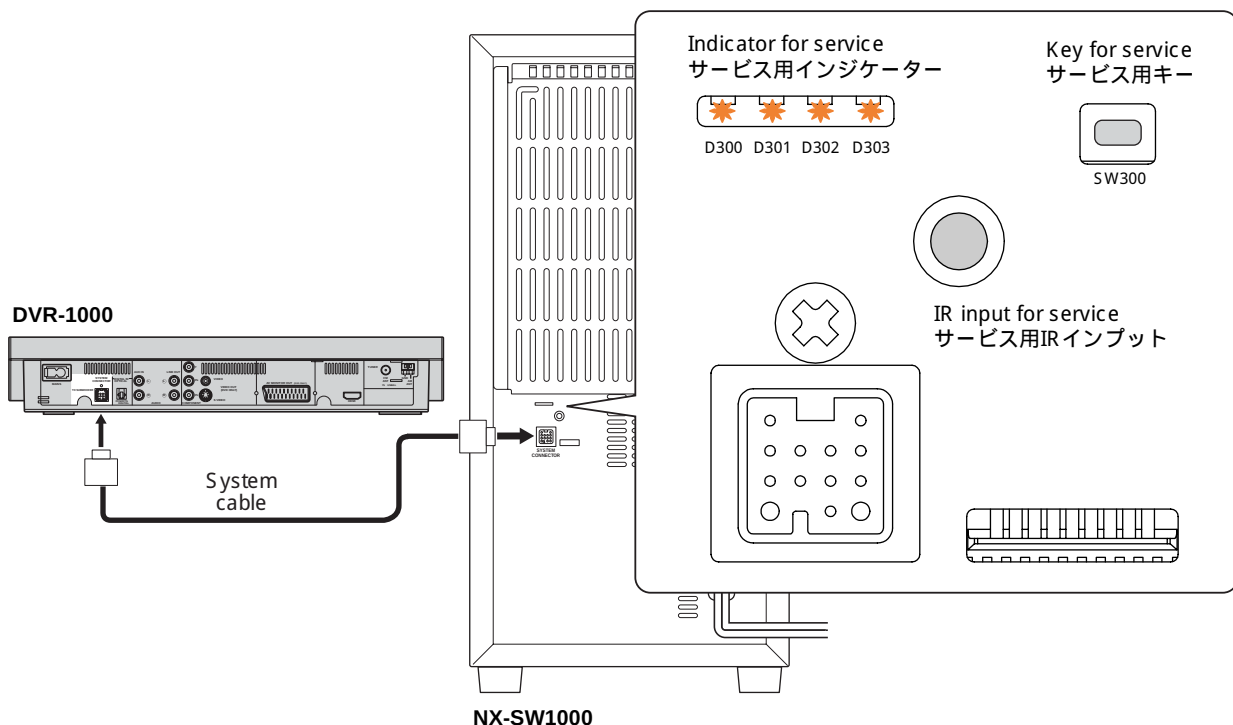
At this time, keep pressing the key for service (SW300) on the rear panel of NX-SW1000 for 5 seconds or longer. All indicators for service flash 5 times and remain on when the self-diagnostic function mode is activated.

● ダイアグの起動

DVR-1000のシステムコネクタとNX-SW1000のシステムコネクタをシステムケーブルで接続し、DVR-1000とNX-SW1000の電源コードをACコンセントに接続します。

次に、NX-SW1000リアパネルのサービス用キー(SW300)を押しながらDVR-1000のSTANDBY/ONキーまたはリモコンのSTANDBY/ONキーを押し、電源オンします。

このとき、NX-SW1000リアパネルのサービス用キー(SW300)を約5秒以上押し続けてください。すべてのサービス用インジケータが5回点滅をして、ダイアグモードに入ると点灯します。



NX-SW1000

● Canceling Self-Diagnostic Function

Turn off the power by pressing the STANDBY/ON key of this unit or the “STANDBY/ON” key of the remote control.

● Operation procedure of Main menu and Sub-menu

There are 14 menu items, each of them having sub-menu items.

* *Set the mode to DVD/CD by pressing the DVD/CD key on the remote controller.*

Main menu selection

To select the main menu, press the key for on the rear panel of NX-SW1000 or the MENU key on the remote controller.

Sub-menu selection

To select the sub-menu, press the applicable numeric key among 1 to 4 on the remote controller.

Numeric “1” key: Select the sub-menu No. 1

Numeric “2” key: Select the sub-menu No. 2

Numeric “3” key: Select the sub-menu No. 3

Numeric “4” key: Select the sub-menu No. 4

● ダイアグの解除

DVR-1000のSTANDBY/ONキーまたはリモコンのSTANDBY/ONキーを押し、電源オフします。

● メインメニューとサブメニューの操作

ダイアグにはNo. 1～14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。

* リモコンのDVD/CDキーを押し、モードをDVD/CDにします。

メインメニューの選択

NX-SW1000リアパネルのサービス用キーまたはリモコンのMENUキーを押し、メインメニューを選択します。

サブメニューの選択

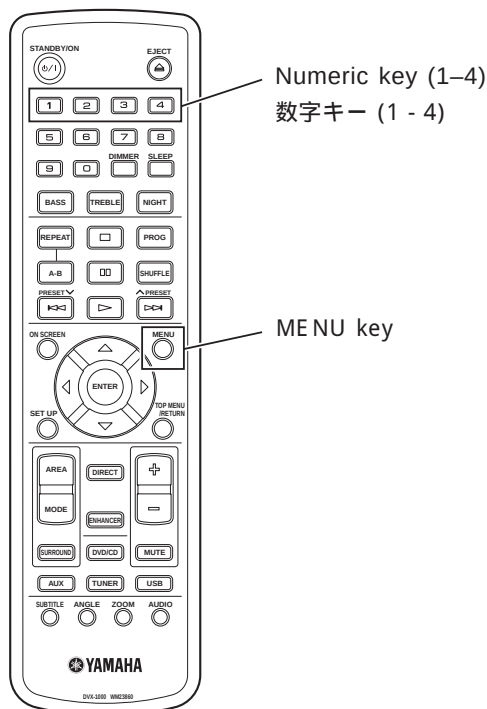
リモコンの数字キーの1～4を押し、サブメニューを選択します。

数字キー 1: サブメニュー1を選択します。

数字キー 2: サブメニュー2を選択します。

数字キー 3: サブメニュー3を選択します。

数字キー 4: サブメニュー4を選択します。



● Details of Self-Diagnostic Function menu

1. DSP THROUGH

The output level can be selected by using SUB-MENU.
The signal is output in digital full bit without including the head margin.

1-1 MASTER VOLUME -90 dB

Input level (AUX IN)	SPEAKER OUTPUT (1 kHz) FRONT L/R	SUBWOOFER (50Hz)
Both ch, -20 dBm	- ∞	- ∞

1-2 MASTER VOLUME -40 dB

Input level (AUX IN)	SPEAKER OUTPUT (1 kHz) FRONT L/R	SUBWOOFER (50Hz)
Both ch, -20 dBm	- 16.0 dBm	- 21.5 dBm

1-3 MASTER VOLUME -20 dB

Input level (AUX IN)	SPEAKER OUTPUT (1 kHz) FRONT L/R	SUBWOOFER (50Hz)
Both ch, -20 dBm	+ 4.0 dBm	- 0.5 dBm

1-4 MASTER VOLUME 0 dB

Input level (AUX IN)	SPEAKER OUTPUT (1 kHz) FRONT L/R	SUBWOOFER (50Hz)
Both ch, -20 dBm	+ 24.0 dBm	+ 19.5 dBm

2. MUTE CHECK

The output condition can be selected by using SUB-MENU.
The signal is output in digital full bit without including the head margin.

2-1 MUTE OFF (Volume -20 dB)

Input level (AUX IN)	SPEAKER OUTPUT (1 kHz) FRONT L/R	SUBWOOFER (50Hz)
Both ch, -20 dBm	+ 4.0 dBm	- 0.5 dBm

2-2 SPEAKERS MUTE

Input level (AUX IN)	SPEAKER OUTPUT (1 kHz) FRONT L/R	SUBWOOFER (50Hz)
Both ch, -20 dBm	- ∞	- ∞

● ダイアグメニュー詳細

1. DSP THROUGH

サブメニューで出力レベルを選択できます。
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。

1-1 MASTER VOLUME -90 dB

1-2 MASTER VOLUME -40 dB

1-3 MASTER VOLUME -20 dB

1-4 MASTER VOLUME 0 dB

2. MUTE CHECK

サブメニューで出力の状態を選択できます。
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。

2-1 MUTE OFF (Volume -20 dB)

2-2 SPEAKERS MUTE

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2-3 FRONT L/R MUTE

2-3 FRONT L/R MUTE

Input level (AUX IN)	SPEAKER OUTPUT (1 kHz) FRONT L/R	SUBWOOFER (50Hz)
Both ch, -20 dBm	- 47.0 dBm	- 0.5 dBm

2-4 SUBWOOFER MUTE

2-4 SUBWOOFER MUTE

Input level (AUX IN)	SPEAKER OUTPUT (1 kHz) FRONT L/R	SUBWOOFER (50Hz)
Both ch, -20 dBm	+ 4.0 dBm	- ∞ dBm

3. RESERVED

Not applied to this model

3. RESERVED

このモデルには適応されません

4. OUTPUT PORT CHECK

4. OUTPUT PORT CHECK

4-1 Not applied to this model

4-1 このモデルには適応されません

4-2 Not applied to this model

4-2 このモデルには適応されません

4-3 PATTERN 1

4-3 PATTERN 1

4-4 PATTERN 2

4-4 PATTERN 2

Set the output port of the microprocessor to HIGH or LOW.

マイコンの出力ポートをHIGHまたはLOWにセットします。

PATTERN 1

Pin No.	Port name	Description	Pattern 1 (High)	Pattern 2 (Low)
71	LED0	Indicator for service D300 サービス用インジケータ	Lit	Off
69	LED2	Indicator for service D302 サービス用インジケータ	Lit	Off
76	/FMT	Front L/R mute control	On	Off
4	LIM	Limiter level control	High	Low
80	SWRY	Subwoofer output relay control	On	Off
52	RYC	Power relay control	On	Off
53	/PB_INT	Interrupt for I2C communication request	High	Low
29	Y-CLK	DVR-1000 communication	High	Low

PATTERN 2

Pin No.	Port name	Description	Pattern 1 (High)	Pattern 2 (Low)
70	LED1	Indicator for service D301 サービス用インジケータ	Off	Lit
68	LED3	Indicator for service D303 サービス用インジケータ	Off	Lit
77	/SWMT	Subwoofer mute control	Off	On
79	FRY	Front L/R output relay control	Off	On
30	Y-DAT	DVR-1000 communication	Low	High

5. TEST TONE

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

5. TEST TONE

内蔵のノイズ発生回路から、サブメニューで指定したチャンネルへテストトーンを出力します。サブウーハー用のノイズ周波数は35～250 Hz、それ以外は中心周波数800 Hzとなります。

5-1 All CHANNEL

A test tone is output from all the speakers.

5-1 All CHANNEL

全スピーカーからテストトーンが出力されます。

5-2 TURN CHANGEOVER

Every time the key of the numeric "2" (sub-menu 2 key) is pushed, a test tone is output in the following order more than a speaker.

5-2 TURN CHANGEOVER

数字キーの"2"キー(サブメニュー2のキー)を押す度に、以下の順序でスピーカーよりテストトーンが出力されます。

1. TEST ALL

Noise is output from all channels.
全チャンネルからノイズを出力

2. TEST FRONT L

Noise is output from the FRONT L channel.
FRONT Lチャンネルからノイズを出力



4. TEST SUBWOOFER

Noise is output from the SUBWOOFER channel.
SUBWOOFERチャンネルからノイズを出力

3. TEST FRONT R

Noise is output from the FRONT R channel.
FRONT Rチャンネルからノイズを出力



5-3 SUBWOOFER OUTPUT

A test tone is output from the subwoofer.

5-3 SUBWOOFER OUTPUT

サブウーファーよりテストトーンが出力されます。

5-4 FRONT L/R 1kHz, SUBWOOFER 100Hz

A 1kHz sine wave is output at the FRONT L/R channel and a 100Hz sine wave at the SUBWOOFER channel.

5-4 FRONT L/R 1kHz, SUBWOOFER 100Hz

FRONT L/Rチャンネルには1kHzのサイン波、SUBWOOFERチャンネルには100Hzのサイン波が出力されます。

6. RESERVED

Not applied to this model

6. RESERVED

このモデルには適応されません

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7. DEVICE CHECK

Self-diagnostic is performed to determine whether or not communication between devices of each IC and register access are correct.

7-1 DEVICE CHECK

Displayed / 表示				Description / 状態
D300	D301	D302	D303	
● (Off)	★ (Lit)	★ (Lit)	★ (Lit)	Normal / 正常
● (Off)	● (Off)	● (Off)	★ (Flashing)	マイコン(IC13)とDIR(IC3)間の不良
● (Off)	● (Off)	★ (Flashing)	● (Off)	マイコン(IC13)とDSP(IC1)/SDRAM(IC5)/FLASH(IC7)間の不良

7-2 Not applied to this model

7-3 Not applied to this model

7-4 Not applied to this model

7. DEVICE CHECK

各ICのデバイス間通信及びレジスタアクセスの正否を自己診断します。

7-1 DEVICE CHECK

7-2 このモデルには適応されません

7-3 このモデルには適応されません

7-4 このモデルには適応されません

8. CPU INFORMATION

A 1 5

A: 1st digit

1: 2nd digit

5: 3rd digit

The indicator for service indicates the firmware version of the microprocessor in the binary system.

This indication is available only while the numeric key of each sub-menu on the remote controller is pressed.

* **If all indicators for service are off or flashing, the firmware version is not correct.**

8-1 FIRMWARE VERSION

The 1st digit of the firmware version is indicated.

8. CPU INFORMATION

A 1 5

A: 1桁目

1: 2桁目

5: 3桁目

マイコンのファームウェアバージョンをサービス用インジケータを使って、2進数にて表示します。

ただし、各サブメニューのリモコンの数字キーを押している間のみ表示されます。

* サービス用インジケータがすべて消灯または点滅表示される場合、ファームウェアバージョンが正しくありません。

8-1 FIRMWARE VERSION

ファームウェアバージョン1桁目を表示します。

Displayed / 表示 (*1)				1st digit of version バージョン1桁目
D300	D301	D302	D303	
●	●	●	★	A
●	●	★	●	B
●	●	★	★	C
●	★	●	●	D
●	★	●	★	E
●	●	●	●	・
●	●	●	●	・
●	●	●	●	・
●	●	●	●	・

*1 ★ : Flashing / 点滅, ● : Off / 消灯

8-2 Not applied to this model

8-2 このモデルには適応されません

8-3 SERIAL VERSION BIT 4-7

The 2nd digit of the firmware version is indicated.

8-3 SERIAL VERSION BIT 4-7

ファームウェアバージョン2桁目を表示します。

8-4 SERIAL VERSION BIT 0-3

The 3rd digit of the firmware version is indicated.

8-4 SERIAL VERSION BIT 0-3

ファームウェアバージョン3桁目を表示します。

Displayed / 表示 (*1)				2nd, 3rd digit of version
D300	D301	D302	D303	バージョン2桁、3桁目
●	●	●	●	0
●	●	●	★	1
●	●	★	●	2
●	●	★	★	3
●	★	●	●	4
●	★	●	★	5
●	★	★	●	6
●	★	★	★	7
★	●	●	●	8
★	●	●	★	9

*1 ★ : Flashing / 点滅, ● : Off / 消灯

9. EMC TEST (7ch stereo output)

Output can be adjusted in the range of master volume control for -90 to 0 dB.

9. EMC TEST (7ch ステレオ出力)

出力は、マスターボリュームで-90 dB 0 dBの範囲で調節できます。

10. RESERVED

Not applied to this model

10. RESERVED

このモデルには適応されません

11. RESERVED

Not applied to this model

11. RESERVED

このモデルには適応されません

12. RESERVED

Not applied to this model

12. RESERVED

このモデルには適応されません

13. DSP PROGRAM WRITING

Used when writing the DSP firmware.

13. DSP PROGRAM WRITING

DSPのファームウェアを書き込むときに使用します。

13-1 READY FOR WRITING

Used to set to the mode ready for writing the DSP firmware.

13-1 READY FOR WRITING

DSPファームウェアの書き込みの待機状態にします。

13-2 Not applied to this model

13-2 このモデルには適応されません。

13-3 Not applied to this model

13-3 このモデルには適応されません。

13-4 WRITING START

Used to start writing the DSP firmware.

13-4 WRITING START

DSPファームウェアの書き込みを開始します。

14 RESERVED

Not applied to this model

14 RESERVED

このモデルには適応されません

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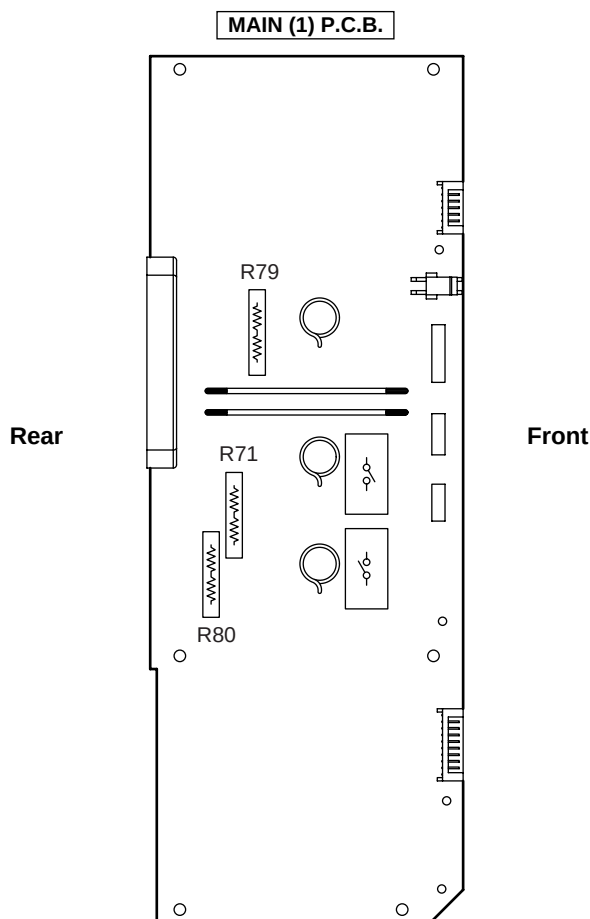
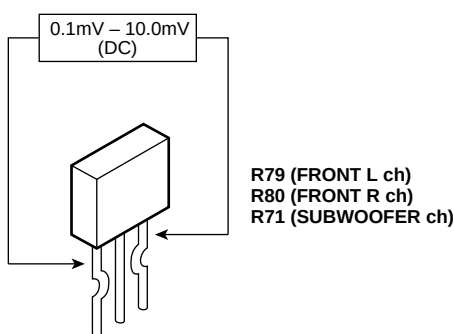
■ AMP ADJUSTMENT / アンプ調整

CONFIRMATION OF IDLING CURRENT

アイドル電流の確認

- Right after power is turned on, confirm that the voltage across the terminals of R79 (FRONT L ch), R80 (FRONT R ch), R71 (SUBWOOFER ch) are between 0.1 mV and 10.0 mV.

- 電源投入直後、R79 (FRONT L ch)、R80 (FRONT R ch)、R71 (SUBWOOFER ch)の端子間電圧を測定し、0.1 mVから10.0 mVの間であることを確認してください。

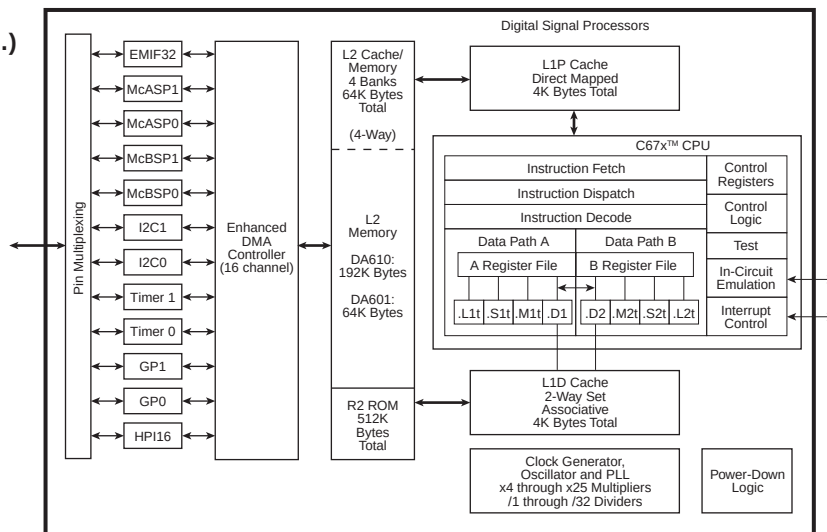


IC DATA

IC1: D60YA003BPYP225 (DSP (1) P.C.B.)
Decoder

* No replacement part available.

サービス部品供給なし



No.	Port Name	I/O	Function	State1	State2	Signal Name	Explanation	Resistance
1	GP0[4]/EXT_INT4/AMUTEIN1	I/O	I	PU	default	DSP_MUTE3	DSP MUTE control "H" → MUTE	
2	GP0[6]/EXT_INT6	I/O	I/O/Z	PU	default	-	General purpose I/O port (no used)	13 kΩ
3	CVDD	POWER				P12V	1.2V power supply	
4	VSS	GND				DGND	Ground	
5	DVDD	POWER				P33V	3.3V power supply	
6	GP0[5]/EXT_INT5/AMUTEIN0	I/O	I/O/Z	PU	default	-	General purpose I/O port (no used)	13 kΩ
7	GP0[7]/EXT_INT7	I/O	I/O/Z	PU	default	-	General purpose I/O port (no used)	13 kΩ
8	SLKS1/SCL1	I	I		default	P33V	Outside pull up	10 kΩ
9	DVDD	POWER				P33V	3.3V power supply	
10	VSS	GND				DGND	Ground	
11	CVDD	POWER				P12V	1.2V power supply	
12	TINP1/AHCLKX0	I	I	PD	default	-	Inside pull down (timer1 input)	18 kΩ
13	TOUT1/AXR0[4]/AXR1[11]	I/O	I	PD	McASP1	-	Inside pull down (audio data input)	18 kΩ
14	CVDD	POWER				P12V	1.2V power supply	
15	VSS	GND				DGND	Ground	
16	CLKX0/ACLKX0	I/O	I/O/Z	PD	McASP0	-	Inside pull down (McASP0 transmission BCLK)	18 kΩ
17	TINP0/AXR0[3]/AXR1[12]	I/O	I	PD	McASP1	-	Inside pull down (audio data input)	18 kΩ
18	TOUT0/AXR0[2]/AXR1[13]	I/O	I	PD	McASP1	-	Inside pull down (audio data input)	18 kΩ
19	CLKR0/ACLKR0	I/O	I	PD	McASP0	DSP_BCK	DSP bit clock input	18 kΩ
20	DX0/AXR0[1]/AXR1[14]	I/O	I	PU	McASP0	-	Inside pull up (McASP0 sending and receiving data)	13 kΩ
21	FSX0/AFSX0	I/O	I/O/Z	PD	McASP0	-	Inside pull down (McASP0 transmission LRCLK)	18 kΩ
22	CVDD	POWER				P12V	1.2V power supply	
23	VSS	GND				DGND	Ground	
24	FSR0/AFSR0	I/O	I	PD	McASP0	DSP_WCK	DSP word clock input	18 kΩ
25	DVDD	POWER				P33V	3.3V power supply	
26	VSS	GND				DGND	Ground	
27	DR0/AXR0[0]/AXR1[15]	I/O	I	PU	McASP0	-	Inside pull up (McASP0 sending and receiving data)	13 kΩ
28	CLKS0/AHCLKR0	I/O	I/O/Z	PD	McASP0	-	Inside pull down (McASP0 transmission MCLK)	18 kΩ
29	CVDD	POWER				P12V	1.2V power supply	
30	VSS	GND				DGND	Ground	
31	FSX1	I/O	I	PD	McBSP1	DSP_CEN3	Chip enable "L" (McBSP1)	18 kΩ
32	DX1/AXR0[5]/AXR1[10]	I/O	I/O	PU	default	DSP_SDO3	Microcomputer I/F serial data OUT (McBSP1)	13 kΩ
33	CLKX1/AMUTE0	I/O	I/O	PD	default	DSP_SCK3	Chip enable "L" (McBSP1)	
34	VSS	GND				DGND	Ground	
35	CVDD	POWER				P12V	1.2V power supply	
36	CLKR1/AXR0[6]/AXR1[9]	I/O	I/O/Z	PD	default	-	Inside pull down (McBSP1 reception clock)	18 kΩ
37	DR1/SDA1	I	I		default	DSP_SDI3	Microcomputer I/F serial data IN (McBSP1)	
38	FSR1/AXR0[7]/AXR1[8]	I/O	I/O/Z	PD	default	-	Inside pull down (McBSP1 frame Sync)	18 kΩ
39	VSS	GND				DGND	Ground	
40	CVDD	POWER				P12V	1.2V power supply	
41	SCL0	I/O	I/O/Z			P33V	Outside pull up	10 kΩ

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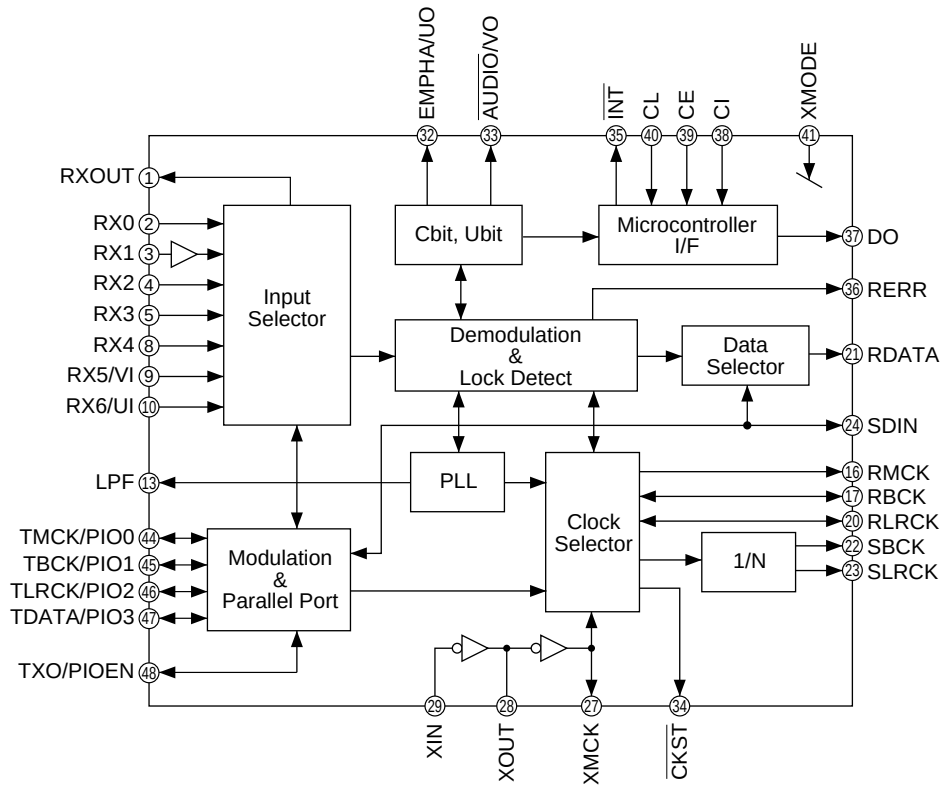
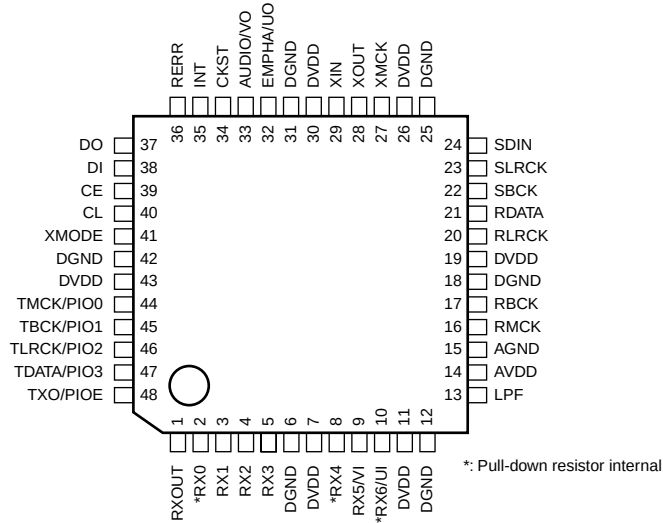
No.	Port Name	I/O	Function	State1	State2	Signal Name	Explanation	Resistance
42	SDA0	I/O	I/O/Z			P33V	Outside pull up	10 kΩ
43	CVDD	POWER				P12V	1.2V power supply	
44	DVDD	POWER				P33V	3.3V power supply	
45	VSS	GND				DGND	Ground	
46	CVDD	POWER				P12V	1.2V power supply	
47	DVDD	POWER				P33V	3.3V power supply	
48	VSS	GND				DGND	Ground	
49	VSS	GND				DGND	Ground	
50	CVDD	POWER				P12V	1.2V power supply	
51	CVDD	POWER				P12V	1.2V power supply	
52	VSS	GND				DGND	Ground	
53	CVDD	POWER				P12V	1.2V power supply	
54	VSS	GND				DGND	Ground	
55	DVDD	POWER				P33V	3.3V power supply	
56	ARDY	I	I	PU		P33V	Outside pull up (Asynchronous system RAM Ready input)	10 kΩ
57	CE3N	O	Z	PU		-	Inside pull up (external memory enable 3)	13 kΩ
58	DVDD	POWER				P33V	3.3V power supply	
59	VSS	GND				DGND	Ground	
60	CVDD	POWER				P12V	1.2V power supply	
61	CE2N	O	Z	PU		-	Inside pull up (external memory enable 2)	13 kΩ
62	EA2	O	O	PU		EA2	Address bus for external memory	13 kΩ
63	EA3	O	O	PU		EA3	Address bus for external memory	13 kΩ
64	EA4	O	O	PU		EA3	Address bus for external memory	13 kΩ
65	DVDD	POWER				P33V	3.3V power supply	
66	VSS	GND				DGND	Ground	
67	CVDD	POWER				P12V	1.2V power supply	
68	EA5	O	O	PU		EA5	Address bus for external memory	13 kΩ
69	EA6	O	O	PU		EA6	Address bus for external memory	13 kΩ
70	EA7	O	O	PU		EA7	Address bus for external memory	13 kΩ
71	EA8	O	O	PU		EA8	Address bus for external memory	13 kΩ
72	DVDD	POWER				P33V	3.3V power supply	
73	VSS	GND				DGND	Ground	
74	EA9	O	O	PU		EA9	Address bus for external memory	13 kΩ
75	AOEN/SDRASN/SSOEN	O	O	PU		OENSDRASN	Asynchronous system RAM OE / SDRAM RAS	13 kΩ
76	EA10	O	O	PU		EA10	Address bus for external memory	13 kΩ
77	ECLKOUT	O	O	PD		SDCLKO	Clock output for EMIF	18 kΩ
78	ECLKIN	I	I	PD		-	Clock input for EMIF	18 kΩ
79	AREN/SDCASN/SSADSN	O	O	PU		SDCASN	SDRAM CAS	13 kΩ
80	CVDD	POWER				P12V	1.2V power supply	
81	VSS	GND				DGND	Ground	
82	CLKOUT2/GP0[2]	O	O/Z	PD	GP0	-	General purpose I/O port (no used)	18 kΩ
83	AWEN/SDWEN/SSWEN	O	O	PU		WEN	Asynchronous system RAM WE / SDRAM WE	13 kΩ
84	DVDD	POWER				P33V	3.3V power supply	
85	VSS	GND				DGND	Ground	
86	EA11	O	O	PU		EA11	Address bus for external memory	13 kΩ
87	DVDD	POWER				P33V	3.3V power supply	
88	VSS	GND				DGND	Ground	
89	CVDD	POWER				P12V	1.2V power supply	
90	EA14	O	O	PU		EA14	Address bus for external memory	13 kΩ
91	EA13	O	O	PU		EA13	Address bus for external memory	13 kΩ
92	EA16	O	O	PU		EA16	Address bus for external memory	13 kΩ
93	EA12	O	O	PU		EA12	Address bus for external memory	13 kΩ
94	EA15	O	O	PU		EA15	Address bus for external memory	13 kΩ
95	EA18	O	O	PU		EA18	Address bus for external memory	13 kΩ
96	CVDD	POWER				P12V	1.2V power supply	
97	VSS	GND				DGND	Ground	
98	DVDD	POWER				P33V	3.3V power supply	
99	EA17	O	O	PU		EA17	Address bus for external memory	13 kΩ
100	EA19	O	O	PU		EA20	Address bus for external memory	13 kΩ
101	EA20	O	O	PU		EA11	Address bus for external memory	13 kΩ

No.	Port Name	I/O	Function	State1	State2	Signal Name	Explanation	Resistance
102	CE0N	O	Z	PU		CE0N	Inside pull up (external memory enable 3)	13 kΩ
103	CE1N	O	Z	PU		CE1N	Inside pull up (external memory enable 3)	13 kΩ
104	CVDD	POWER				P12V	1.2V power supply	
105	CVDD	POWER				P12V	1.2V power supply	
106	VSS	GND				DGND	Ground	
107	DVDD	POWER				P33V	3.3V power supply	
108	BE1N	O	O	PU		BE1N	Byte Enable control 1 for external memory	13 kΩ
109	EA21	O	O	PU		EA21	Address bus for external memory	13 kΩ
110	BE0N	O	O	PU		BE0N	Byte Enable control 0 for external memory	13 kΩ
111	ED13/GP1[13]	I/O	I/O/Z	PU	default	ED13	Data bus for external memory	13 kΩ
112	ED15/GP1[15]	I/O	I/O/Z	PU	default	ED15	Data bus for external memory	13 kΩ
113	ED14/GP1[14]	I/O	I/O/Z	PU	default	ED14	Data bus for external memory	13 kΩ
114	DVDD	POWER				P33V	3.3V power supply	
115	VSS	GND				DGND	Ground	
116	CVDD	POWER				P12V	1.2V power supply	
117	ED11/GP1[11]	I/O	I/O/Z	PU	default	ED11	Data bus for external memory	13 kΩ
118	ED12/GP1[12]	I/O	I/O/Z	PU	default	ED12	Data bus for external memory	13 kΩ
119	ED9/GP1[9]	I/O	I/O/Z	PU	default	ED9	Data bus for external memory	13 kΩ
120	ED10/GP1[10]	I/O	I/O/Z	PU	default	ED10	Data bus for external memory	13 kΩ
121	ED6/GP1[6]	I/O	I/O/Z	PU	default	ED6	Data bus for external memory	13 kΩ
122	ED7/GP1[7]	I/O	I/O/Z	PU	default	ED7	Data bus for external memory	13 kΩ
123	ED8/GP1[8]	I/O	I/O/Z	PU	default	ED8	Data bus for external memory	13 kΩ
124	CVDD	POWER				P12V	1.2V power supply	
125	VSS	GND				DGND	Ground	
126	DVDD	POWER				P33V	3.3V power supply	
127	ED4/GP1[4]	I/O	I/O/Z	PU	default	ED4	Data bus for external memory	13 kΩ
128	ED5/GP1[5]	I/O	I/O/Z	PU	default	ED5	Data bus for external memory	13 kΩ
129	ED3/GP1[3]	I/O	I/O/Z	PU	default	ED3	Data bus for external memory	13 kΩ
130	ED2/GP1[2]	I/O	I/O/Z	PU	default	ED2	Data bus for external memory	13 kΩ
131	ED1/GP1[1]	I/O	I/O/Z	PU	default	ED1	Data bus for external memory	13 kΩ
132	ED0/GP1[0]	I/O	I/O/Z	PU	default	ED0	Data bus for external memory	13 kΩ
133	CVDD	POWER				P12V	1.2V power supply	
134	VSS	GND				DGND	Ground	
135	HINTN/GP0[1]	I/O	I/O/Z	PU	GP0	DSP_BUSYN3	DSP BUSY signal output	13 kΩ
136	BUSREQ	O	O	PU		-	Bus request output for external memory	13 kΩ
137	HOLDAN	O	O	PU		-	Hold request output approval for external memory	13 kΩ
138	HOLDN	I	I			P33V	Outside pull up (Hold request for external memory)	4.7 kΩ
139	HHWIL/AFSR1	I/O	I	PU	McASP1	DIR_WCK	DIR word clock input (McASP1)	13 kΩ
140	HRDY/ACLKR1	I/O	I	PD	McASP1	DIR_BCK	DIR bit clock input (McASP1)	18 kΩ
141	DVDD	POWER				P33V	3.3V power supply	
142	VSS	GND				DGND	Ground	
143	HR/W/AXR0[15]/AXR1[0]	I/O	I	PU	McASP1	DIR_SDO	DIR audio data input (McASP1)	13 kΩ
144	HCNTL1/AXR0[14]/AXR1[1]	I/O	I/O/Z	PU	McASP1	-	Inside pull up (McASP1 sending and receiving data)	13 kΩ
145	HCS/AXR0[13]/AXR1[2]	I/O	O	PU	McASP1	DSP_SW	Audio data output (SW/-)	13 kΩ
146	HCNTL0/AXR0[12]/AXR1[3]	I/O	O	PU	McASP1	DSP_S	Audio data output (SL/SR)	13 kΩ
147	HD0/AXR0[11]/AXR1[4]	I/O	O	PU	McASP1	DSP_C	Audio data output (CL/CR)	13 kΩ
148	VSS	GND				DGND	Ground	
149	CVDD	POWER				P12V	1.2V power supply	
150	HDS2/AXR0[10]/AXR1[5]	I/O	O	PU	McASP1	DSP_F	Audio data output (FL/FR)	13 kΩ
151	HDS1N/AXR0[9]/AXR1[6]	I/O	I/O/Z	PU	McASP1	-	Inside pull up (McASP1 sending and receiving data)	13 kΩ
152	HD1/AXR0[8]/AXR1[7]	I/O	I	PU	McASP0	DIR_SDO	Audio data input (DIR)	13 kΩ
153	HASN/ACLKX1	I/O	O	PU	McASP1	DSP_BCK	DSP bit clock output	13 kΩ
154	HD3/AMUTE1	I/O	I	PU	default	DGND	Outside pull up (Dvice config)	1 kΩ
155	HD2/AFSX1	I/O	I	PU	McASP0	DSP_WCK	DSP word clock output	13 kΩ
156	HD4/GP0[0]	I/O	I/O	PD	both	DSP_RDYN3	Microcomputer I/F ready signal output (outside pull up)	1 kΩ
157	CVDD	POWER				P12V	1.2V power supply	
158	VSS	GND				DGND	Ground	
159	HD5/AHCLKX1	I/O	I	PU	McASP1	DIR_MCK	DIR master clock input (McASP1)	13 kΩ
160	HD8/GP0[8]	I/O	I/O/Z	PU	both	P33V	Outside pull up (Dvice config)	13 kΩ
161	HD6/AHCLKR1	I/O	I/O/Z	PU	McASP1	DGND	Out side pull up (McASP1 reception MCLK)	47 Ω

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No.	Pin Name	I/O	Function	State1	State2	Signal Name	Explanation	Resistance
162	DVDD	POWER				P33V	3.3V power supply	
163	VSS	GND				DGND	Ground	
164	HD7/GP0[3]	I/O	O	PU	GP0	DSP_INT3	DSP interrupt signal output	13 kΩ
165	HD9/GP0[9]	I/O	O	PU	GP0	-	General purpose I/O port (no used)	13 kΩ
166	HD10/GP0[10]	I/O	O	PU	GP0	-	General purpose I/O port (no used)	13 kΩ
167	HD11/GP0[11]	I/O	O	PU	GP0	-	General purpose I/O port (no used)	13 kΩ
168	HD12/GP0[12]	I/O	O	PU	GP0	-	General purpose I/O port (Microphone input select signal no used)	13 kΩ
169	CVDD	POWER				P12V	1.2V power supply	
170	VSS	GND				DGND	Ground	
171	CVDD	POWER				P12V	1.2V power supply	
172	HD13/GP0[13]	I/O	I	PU	default	P33V	Outside pull up (Dvice config)	1 kΩ
173	HD14/GP0[14]	I/O	I	PU	default	DGND	Outside pull down (Dvice config)	1 kΩ
174	HD15/GP0[15]	I/O	I	PU	GP0	-	General purpose I/O port (Microphone detection select signal no used)	13 kΩ
175	NMI	I	I	PD		P33V	Outside pull up (Non maskable Interrupt)	1 kΩ
176	RESETN	I	I			DSP_ICN3	Device reset signal "L"	
177	CVDD	POWER				P12V	1.2V power supply	
178	OSCIN	I	I			DGND	Outside pull down (XTL input terminal)	2.2 Ω
179	OSCOUT	O	O			-	XTL output terminal	
180	OSCVSS	GND				-	GND for XTL (Internal connection)	
181	OSCVDD	POWER				-	Power supply for XTL (Internal connection)	
182	VSS	GND				DGND	Ground	
183	DVDD	POWER				P33V	3.3V power supply	
184	CLKOUT3	O	O	PD		-	Programmable clock output	13 kΩ
185	EMU1	I/O	I/O/Z	PU		EMU1	JTAG Emulation PIN1 (Outside pull down)	4.7 kΩ
186	EMU0	I/O	I/O/Z	PU		EMU0	JTAG Emulation PIN0 (Outside pull down)	4.7 kΩ
187	TDO	O	O	PU		TDO	JTAG data output	13 kΩ
188	DVDD	POWER				P33V	3.3V power supply	
189	VSS	GND				DGND	Ground	
190	CVDD	POWER				P12V	1.2V power supply	
191	TDI	I	I	PU		TDI	JTAG data input	13 kΩ
192	TMS	I	I	PU		TMS	JTAG mode select	13 kΩ
193	TCK	I	I	PU		TCK	JTAG clock	13 kΩ
194	VSS	GND				DGND	Ground	
195	CVDD	POWER				P12V	1.2V power supply	
196	CVDD	POWER				P12V	1.2V power supply	
197	TRSTN	I	I	PD		TRSTN	JTAG reset signal	18 kΩ
198	RSV2	-	-	-	-	-	Reserved	
199	VSS	GND				DGND	Ground	
200	RSV0	-	-	-	-	-	Reserved	
201	CVDD	POWER				P12V	1.2V power supply	
202	PLLHV	POWER				P33V	Analog power supply for PLL	
203	RSV1	-	-	-	-	DGND	Ground	
204	CLKIN	I	I	PD		XMCK	System clock input	18 kΩ
205	CLKMODE0	I	I	PU		P33V	Outside pull up (PLL clock select "H" : CLKIN)	4.7 kΩ
206	DVDD	POWER				P33V	3.3V power supply	
207	VSS	GND				DGND	Ground	
208	CVDD	POWER				P12V	1.2V power supply	

IC4: LC89057W-VF4AD-E (DSP (1) P.C.B.)
Digital Audio Interface Transceiver

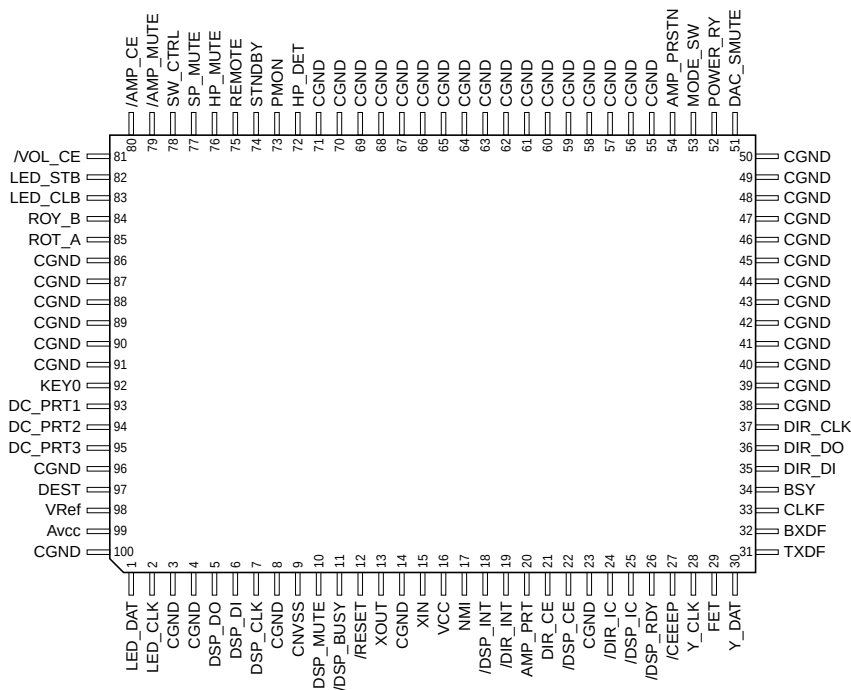
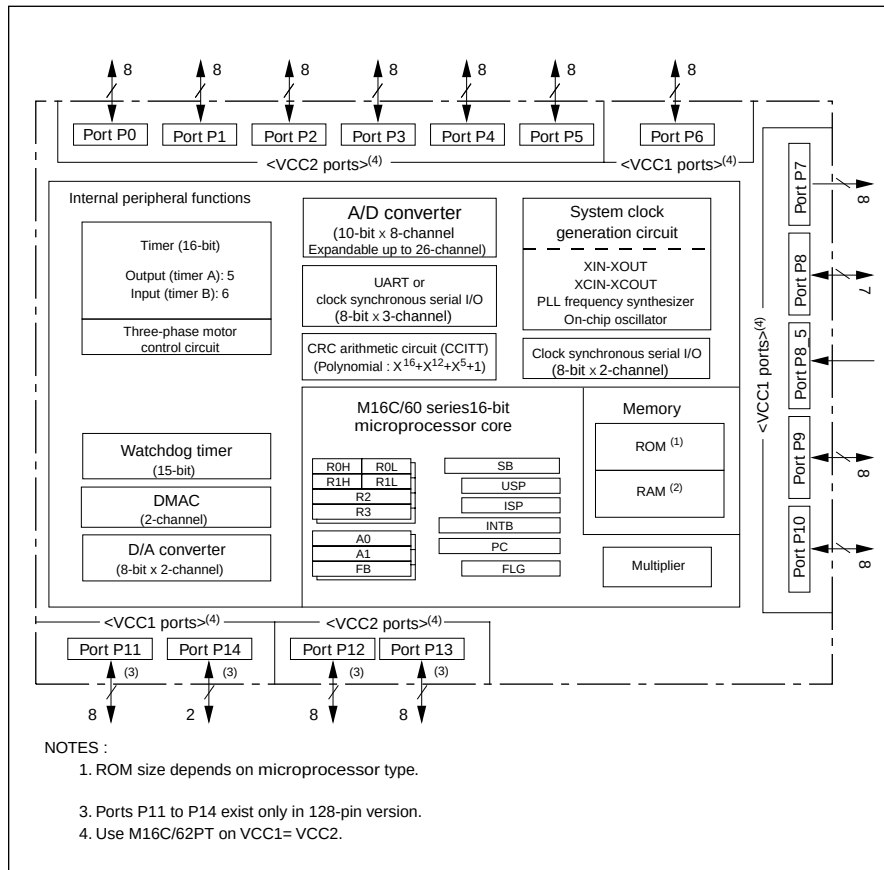


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Pin No.	Function Name	I/O	Detail of Function
1	RXOUT	O	Output pin of input bi-phase selection data
2	RX0	Is	Input pin of TTL-compatible digital data
3	RX1	I	Digital data input pin with built-in amplifier that supports coaxial
4	RX2	Is	Input pin of TTL-compatible digital data
5	RX3	Is	Input pin of TTL-compatible digital data
6	DGND		Digital GND
7	DVDD		Digital power supply (3.3 V)
8	RX4	Is	Input pin of TTL-compatible digital data
9	RX5	Is	TTL-compatible digital data / Validity flag input pin for modulation
10	RX6	Is	TTL-compatible digital data / User data input pin for modulation
11	DVDD		Digital power supply for PLL
12	DGND		Digital GND for PLL
13	LPF	O	PLL loop filter connection pin
14	AVDD		Analog power supply for PLL (3.3 V)
15	AGND		Analog GND for PLL
16	RMCK	O	R system clock output pin (256 fs, 512 fs, XIN, VCO)
17	RBCK	O/I	R bit clock input/output pin (64 fs)
18	DGND		Digital GND
19	DVDD		Digital power supply (3.3 V)
20	RLRCK	O/I	R LR clock input/output pin (fs)
21	RDAT A	O	Output pin of serial audio data
22	SBCK	O	S bit clock output pin (32 fs, 64 fs, 128 fs) (No connected.)
23	SLRCK	O	S LR clock output pin (fs/2, fs, 2 fs) (No connected.)
24	SDIN	Is	Input pin of serial audio data
25	DGND		Digital GND
26	DVDD		Digital power supply (3.3 V)
27	XMCK	O	Oscillation amplifier output pin
28	XOUT	O	Quartz resonator connection output pin
29	XIN	I	Quartz resonator connection, input pin of external supply clock (24.576 MHz or 12.288 MHz)
30	DVDD		Digital power supply (3.3 V)
31	DGND		Digital GND
32	EMPHA/UO/CD	I/O	Emphasis information / U data output / C data output / Chip address setting pin
33	AUDIO/VO	I/O	Non-PCM detection / V flag output / Chip address setting pin
34	CKST/PT	I/O	Output of clock switch transitional period signal / Preamble B output / Demodulation master or slave function switch pin
35	INT	I/O	Interrupt output for microprocessor (Possible to select an interrupt factor.) / Modulation or general-purpose I/O switch pin
36	RERR	O	PLL clock error, data error flag output (No connected.)
37	DO	O	Microprocessor I/F, read data output pin (3-state)
38	DI	Is	Microprocessor I/F, write data input pin
39	CE	Is	Microprocessor I/F, chip enable input pin
40	CL	Is	Microprocessor I/F, clock input pin "
41	XMODE	Is	System reset input pin
42	DGND		Digital GND
43	DVDD		Digital power supply (3.3 V)
44	PIO0	I/O	512 fs, 256 fs, 128 fs system clock input for modulation or external / General-purpose I/O input/output pin
45	PIO1	I/O	64 fs bit clock input for modulation / General-purpose I/O input/output pin
46	PIO2	I/O	fs clock input for modulation / General-purpose I/O input/output pin
47	PIO3	I/O	Serial audio data input for modulation / General-purpose I/O input/output pin
48	PIOEN	I/O	Modulation data output / General-purpose I/O enable output pin

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

IC13: M30626FHPFP (DSP (1) P.C.B.)
Microprocessor



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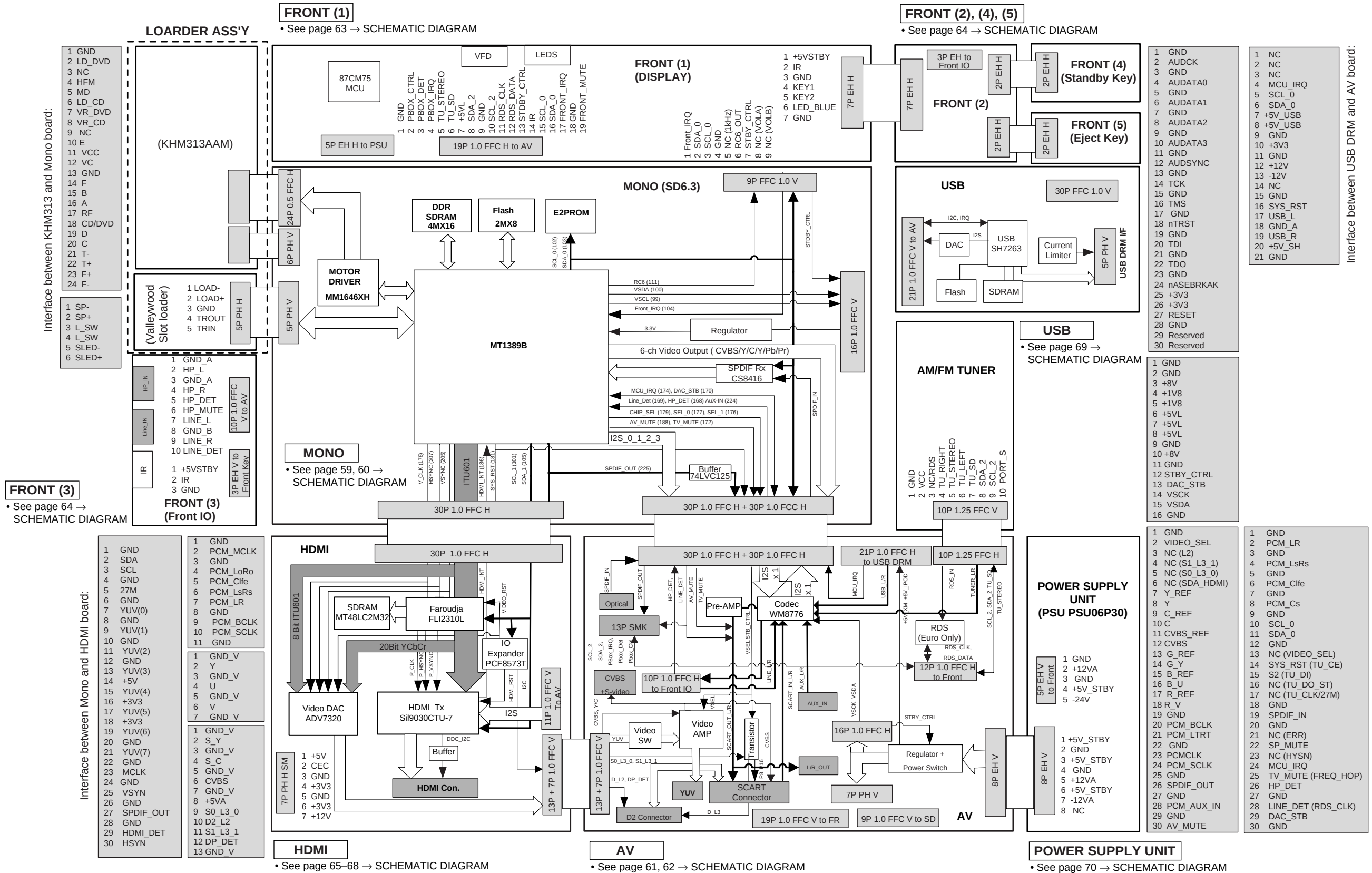
Pin No.	Pin Name	Function	Name	I/O Type	Description
1	P9_6/ANEX1/SOUT4	SOUT4		O	Send Data to E-Vol
2	P9_5/ANEX0/CLK4	CLK4		O	Serial Clock for E-VOI Communication
3	P9_4/DA1/TB4IN	-			pull down
4	P9_3/DA0/TB3IN	DA0	LIM	O	Limiter Level Control
5	P9_2/TB2IN/SOUT3	SOUT3		O	Send Data to D60Y
6	P9_1/TB1IN/SIN3	SIN3		I	Receive Data from D60Y
7	P9_0/TB0IN/CLK3	CLK3		O	Serial Clock for D60Y Communication
8	BYTE	-			VSS
9	CNVSS	CNVSS		I	Normal:L, Flash Update:H
10	P8_7/XCIN	P87		O	Mute D60Y
11	P8_6/XCOUT	P86		I	D60Y Busy Detection
12	RESET	RESET		I	Reset uP
13	XOUT	XOUT		O	For Main Clock Circuit
14	VSS	-			VSS
15	XIN	XIN		I	For Main Clock Circuit
16	VCC1	-			VCC1
17	P8_5/NMI	-			pull up (VCC1)
18	P8_4/INT2/ZP	INT2		I	D60Y Interrupt
19	P8_3/INT1	INT1		I	DIR Interrupt
20	P8_2/INT0	INT0		I	Power Down Detection
21	P8_1/TA4IN/U	P8_1		O	DIR Chip Enable
22	P8_0/TA4OUT/U	P8_0		O	D60Y Chip Enable
23	P7_7/TA3IN	P7_7		O	CODEC Reset
24	P7_6/TA3OUT	P7_6		O	DIR Reset
25	P7_5/TA2IN/W	P7_5		O	D60Y Reset
26	P7_4/TA2OUT/W	P7_4		I	D60Y Ready
27	P7_3/CTS2/RTS2/TA1IN/V	P7_3		O	EEPROM Chip Enable (reserve)
28	P7_2/CLK2/TA1OUT/V	-			pull down
29	P7_1/RXD2/SCL2/TA0IN/TB5IN	SCL2		I/O	Central Unit Communication
30	P7_0/TXD2/SDA2/TA0OUT	SDA2		I/O	Central Unit Communication
31	P6_7/TXD1/SDA1	TXD1		O	Send Data to External JIG
32	P6_6/RXD1/SCL1	RXD1		I	Receive Data from External JIG
33	P6_5/CLK1	CLK1		I/O	Serial Clock for External JIG
34	P6_4/CTS1/RTS1/CTS0/CLKS1	RTS1		O	BUSY Output for External JIG
35	P6_3/TXD0/SDA0	TXD0		O	Send Data to DIR
36	P6_2/RXD0/SCL0	RXD0		I	Receive Data from DIR
37	P6_1/CLK0	CLK0		O	Serial Clock for DIR Communication
38	P6_0/CTS0/RTS0	-			pull down
39	P5_7/RDY/CLKOUT	-			pull down
40	P5_6/ALE	-			pull down
41	P5_5/HOLD	P5_5		I	pull down (/EPM for External JIG)
42	P5_4/HLDA	-			pull down
43	P5_3/BCLK	-			pull down
44	P5_2/RD	-			pull down
45	P5_1/WRH/BHE	-			pull down
46	P5_0/WRL/WR	P5_0		I	pull up (VCC2) (/CE for External JIG)
47	P4_7/CS3	-			pull down
48	P4_6/CS2	-			pull down
49	P4_5/CS1	-			pull down
50	P4_4/CS0	-			pull down

Pin No.	Pin Name	Function	Name	I/O Type	Description
51	P4_3/A19	P4_3		O	CODEC Soft Mute
52	P4_2/A18	P4_2		O	Power Relay Control
53	P4_1/A17	P4_1		O	Interrupt for I2C communication request
54	P4_0/A16	-			pull down
55	P3_7/A15	-			pull down
56	P3_6/A14	-			pull down
57	P3_5/A13	-			pull down
58	P3_4/A12	-			pull down
59	P3_3/A11	-			pull down
60	P3_2/A10	-			pull down
61	P3_1/A9	-			pull down
62	VCC2	VCC2			VCC2
63	P3_0/A8(/-/D7)	-			pull down
64	VSS	VSS			VSS
65	P2_7/AN2_7/A7(/D7/D6)	-			pull down
66	P2_6/AN2_6/A6(/D6/D5)	-			pull down
67	P2_5/AN2_5/A5(/D5/D4)	-			pull down
68	P2_4/AN2_4/A4(/D4/D3)	P2_4		O	LED3
69	P2_3/AN2_3/A3(/D3/D2)	P2_3		O	LED2
70	P2_2/AN2_2/A2(/D2/D1)	P2_2		O	LED1
71	P2_1/AN2_1/A1(/D1/D0)	P2_1		O	LED0
72	P2_0/AN2_0/A0(/D0/-)	P2_0		I	Mute Request from the Center Unit
73	P1_7/D15/INT5	P1_7	PRI	I	Protection by Electric Current Observation
74	P1_6/D14/INT4	P1_6		I	Self-mode SW
75	P1_5/D13/INT3	INT3		I	RC Signal Detection
76	P1_4/D12	P1_4	/FMT	O	Front Speaker Mute Control
77	P1_3/D11	P1_3	/SWMT	O	Sub Woofer Mute Control
78	P1_2/D10	P1_2	/SPMT	O	Speaker Mute
79	P1_1/D9	P1_1	FRY	O	Front Speaker Relay Drive
80	P1_0/D8	P1_0	SWRY	O	Sub Woofer Speaker Relay Drive
81	P0_7/AN0_7/D7	P0_7		O	E-Vol Chip Enable
82	P0_6/AN0_6/D6	-			pull down
83	P0_5/AN0_5/D5	-			pull down
84	P0_4/AN0_4/D4	-			pull down
85	P0_3/AN0_3/D3	-			pull down
86	P0_2/AN0_2/D2	-			pull down
87	P0_1/AN0_1/D1	-			pull down
88	P0_0/AN0_0/D0	-			pull down
89	P10_7/AN7/KI3	-			pull down
90	P10_6/AN6/KI2	-			pull down
91	P10_5/AN5/KI1	AN5	PLDET	I	Protection by Total Output Level
92	P10_4/AN4/KI0	AN4	THM	I	Heat Protection
93	P10_3/AN3	AN3	PRV3	I	DC Protection 3
94	P10_2/AN2	AN2	PRV2	I	DC Protection 2
95	P10_1/AN1	AN1	PRV1	I	DC Protection 1
96	AVSS	AVSS			AVSS
97	P10_0/AN0	AN0	PRD	I	DC Protection on amp output
98	VREF	VREF			VREF
99	AVCC	AVCC			VCC1
100	P9_7/ADTRG/SIN4	-			pull down

BLOCK DIAGRAMS

BLOCK DIAGRAM

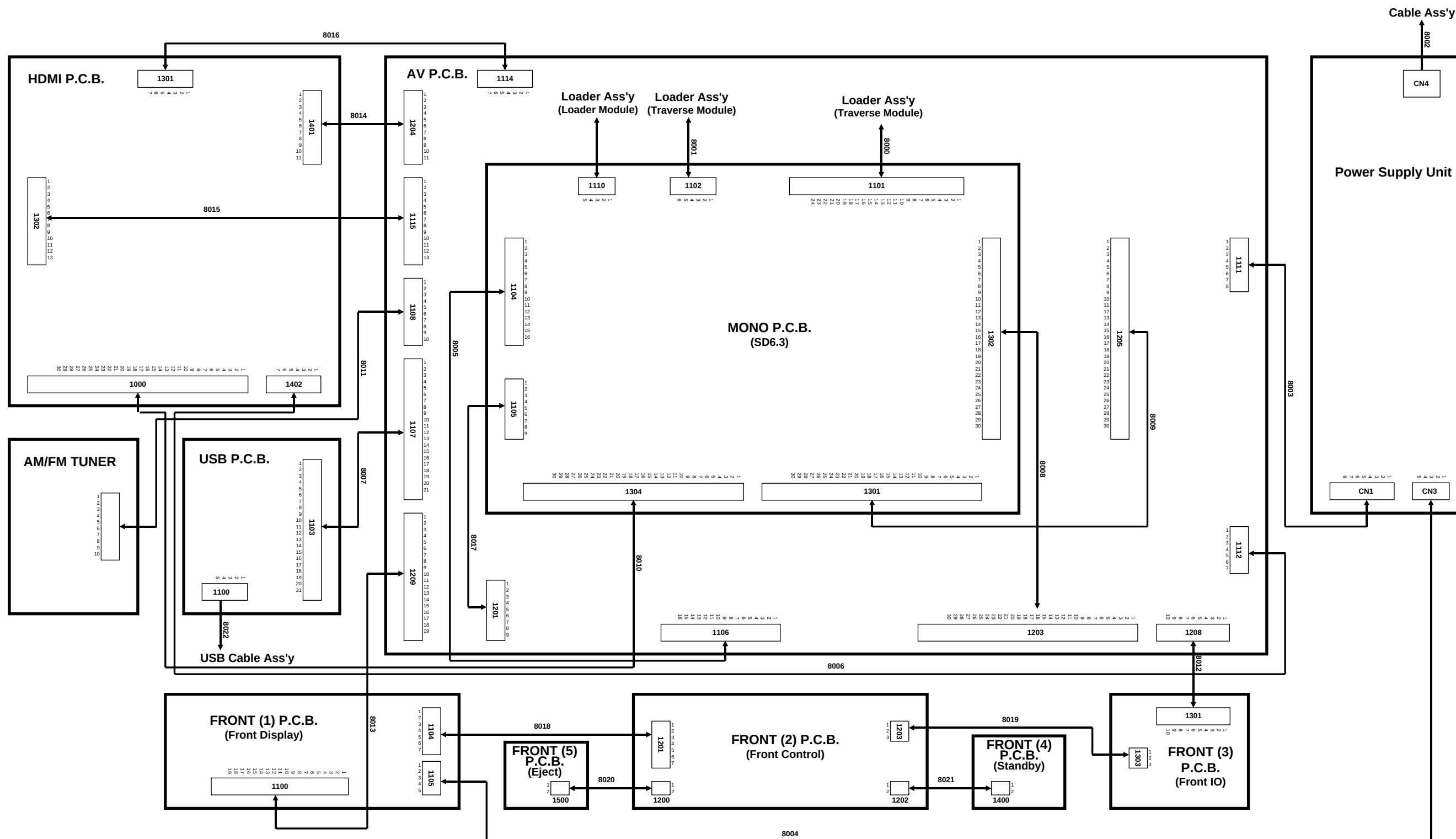
DVR-1000



DVX-1000

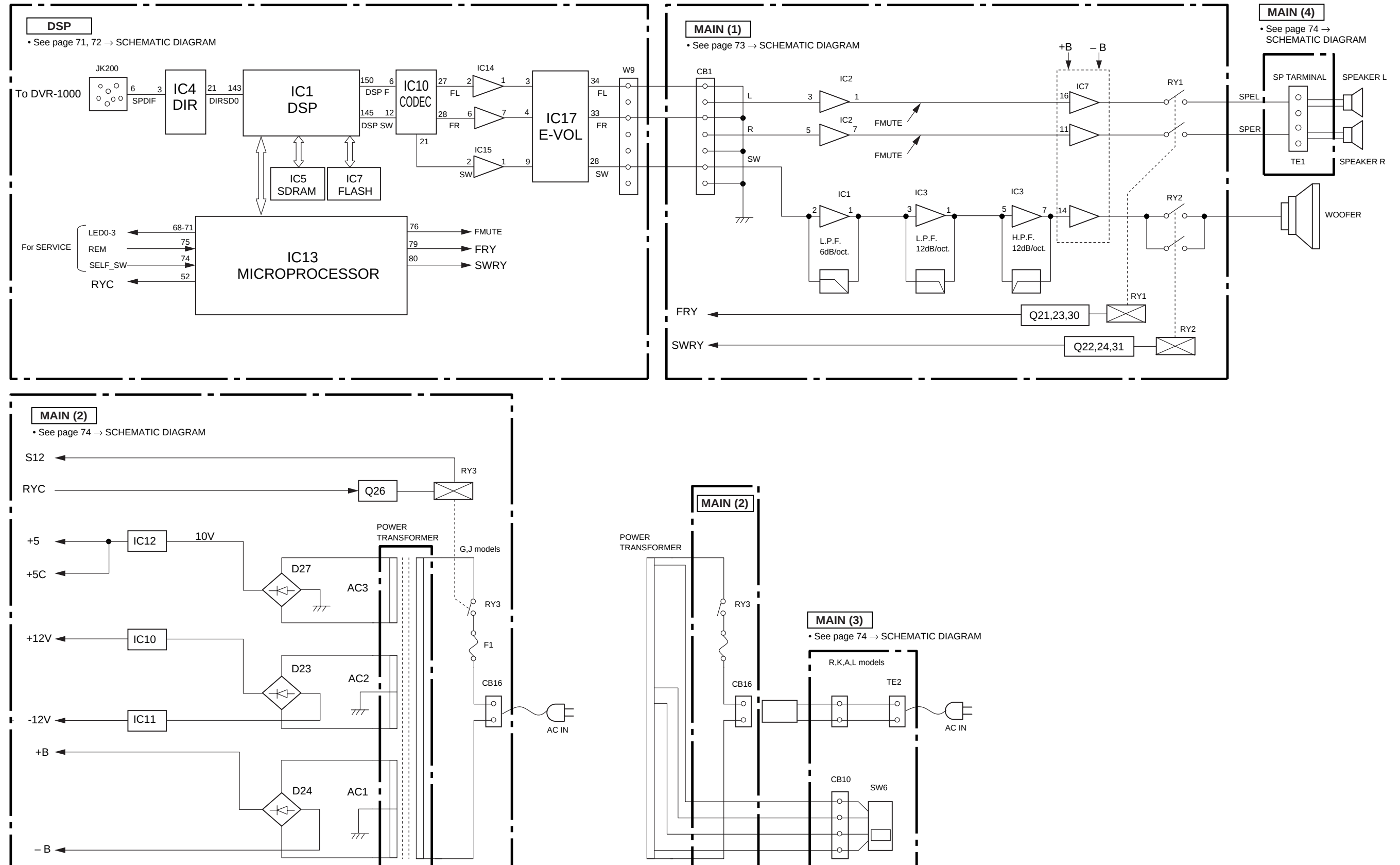
DVR-1000

● WIRING DIAGRAM



NX-SW1000

● BLOCK DIAGRAM

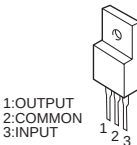
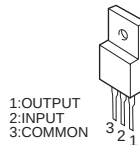
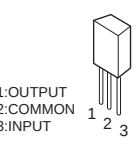
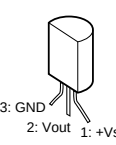
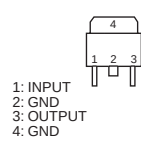
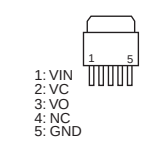
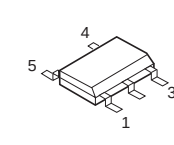
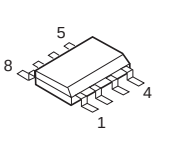
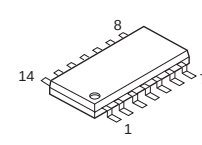
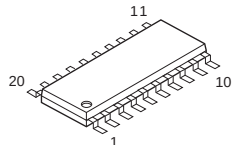
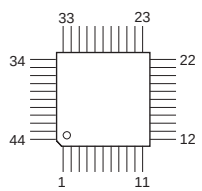
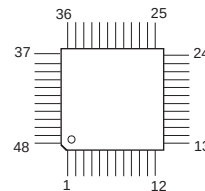
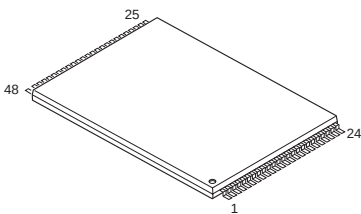
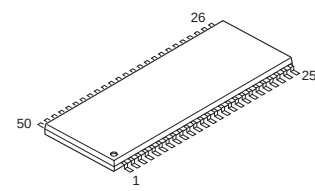
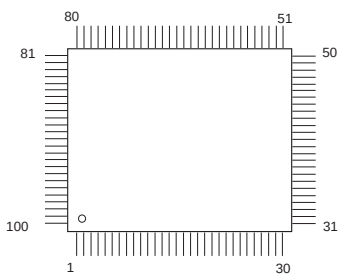
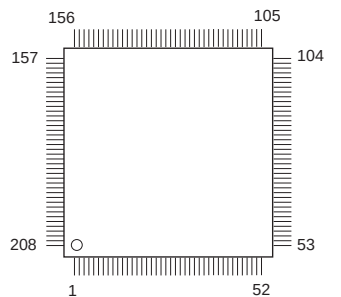
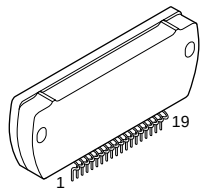


DVX-1000

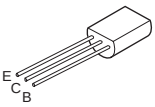
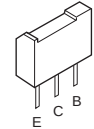
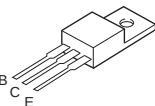
PIN CONNECTION DIAGRAM

NX-SW1000

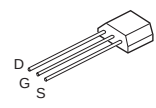
ICs

KIA7812API KIA7805API 	KIA7912PI 	KIA78L05BP 	LM61CIZ 	μPC29M33T-E1-AZ 	PQ012FZ01ZPH 	SN74AHC1G08DCKR 	NJM4580E (TE2) 	MM74HCU04SJX SN74AHCT080PWR 	SN74LV245APWR 
AK4628VQ 	LC89057W-VF4D-E YAC523-VZ 	S29AL004D70TFI020 	W9816G6CH-7 	M30626FHPFP 	D60YA003BPYP225 	STK433-330-E 			

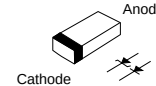
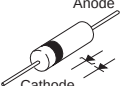
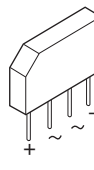
Transistors

2SC1815 Y KTA1266 Y-AT KTC3198 Y-AT 2N5401C-AT/P 2N5551C-AT/P 	2SA1770 S, T 
2SB1274 R, S 	2SC2412K Q, R, S 2SD1938 F S, T DTA114EKA KPA104S-RTK/P KRC102S-RTK/P KRC104S-RTK/P 

FET

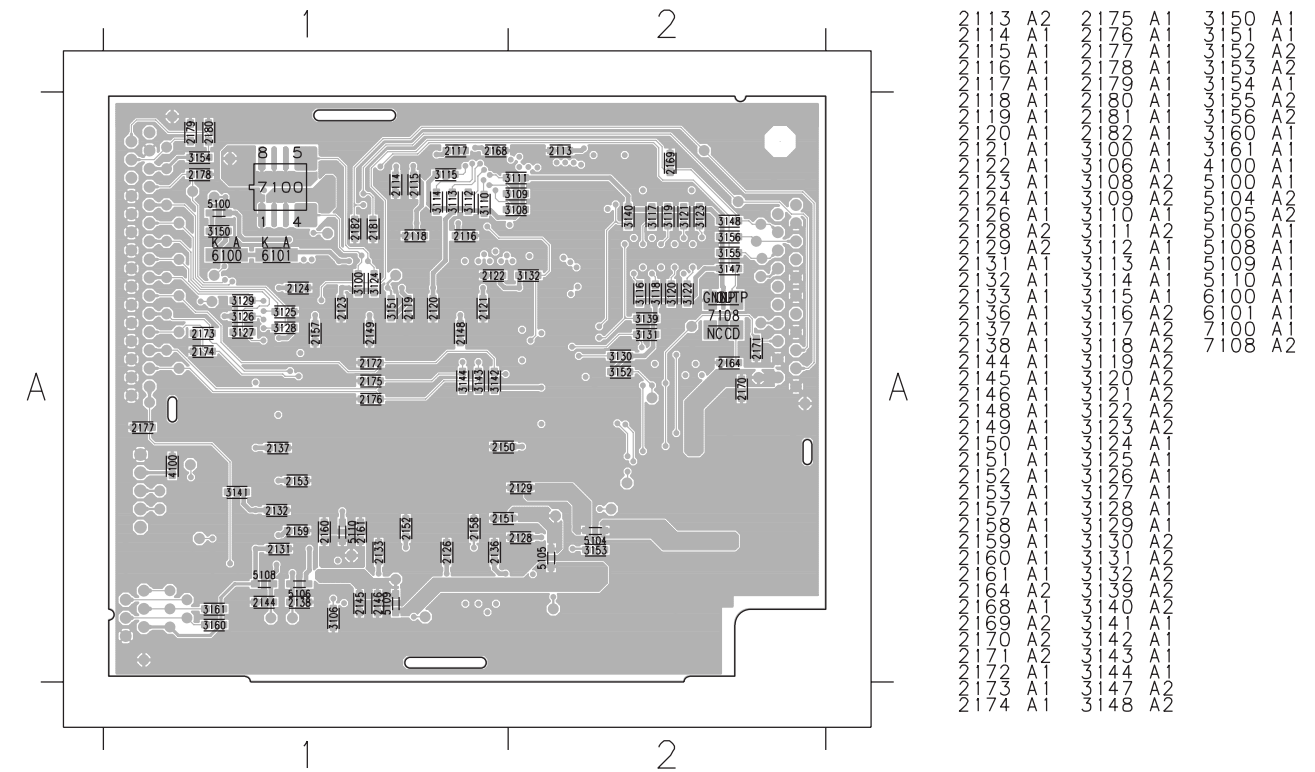
2SK304 E 
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Diodes

1SS355 KDS160-RTK/P MA8027 MA8051-M MA8056-M MA8068-M MA8082-M MA8270-H RB501V-40 	1SS133, 176 2SS270A 	KBP103G-01X0 RS403M-B-C-J80 	TS6P03-08 
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DVR-1000

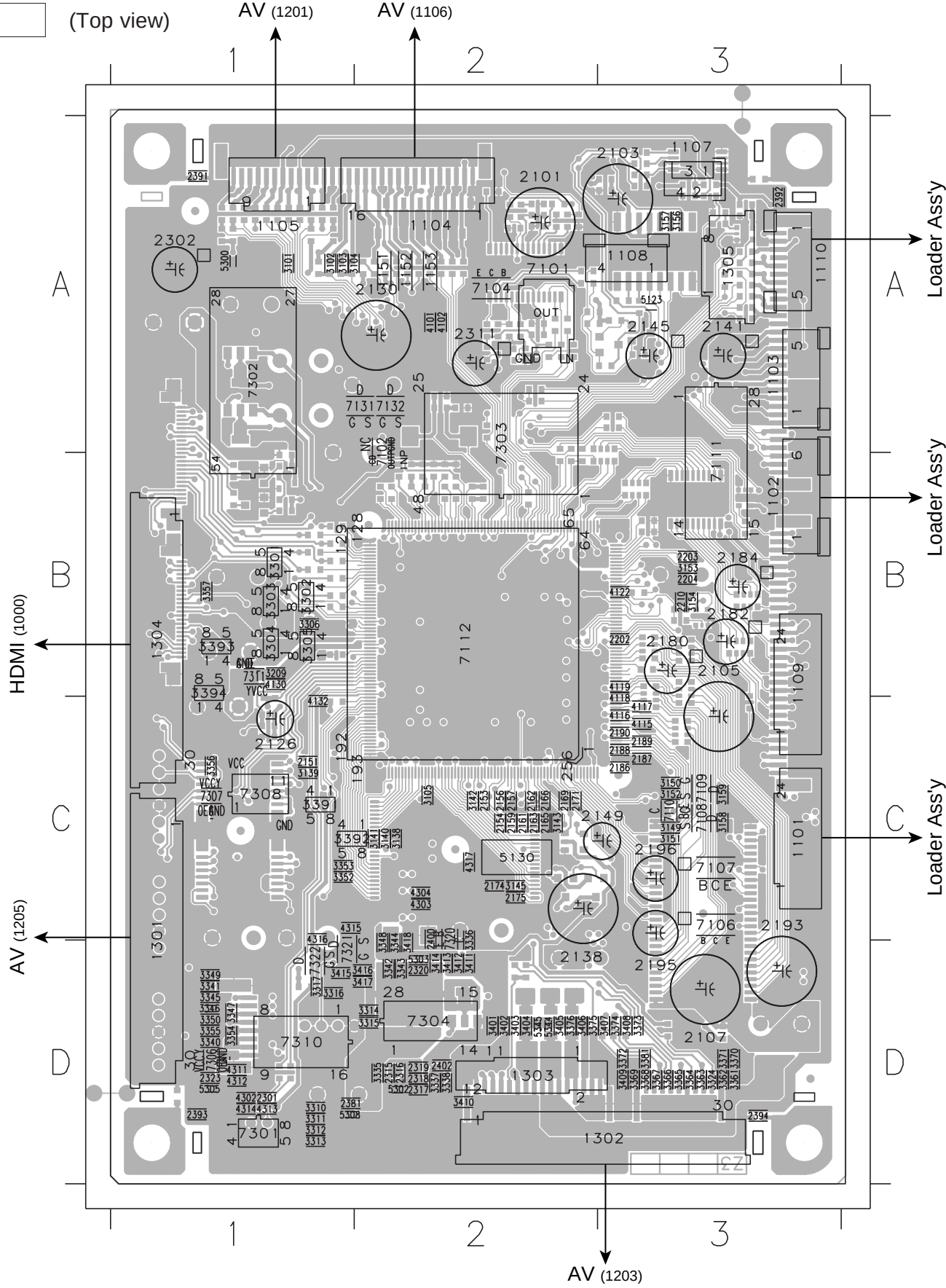
(Top view)



DVR-1000

MONO

(Top view)



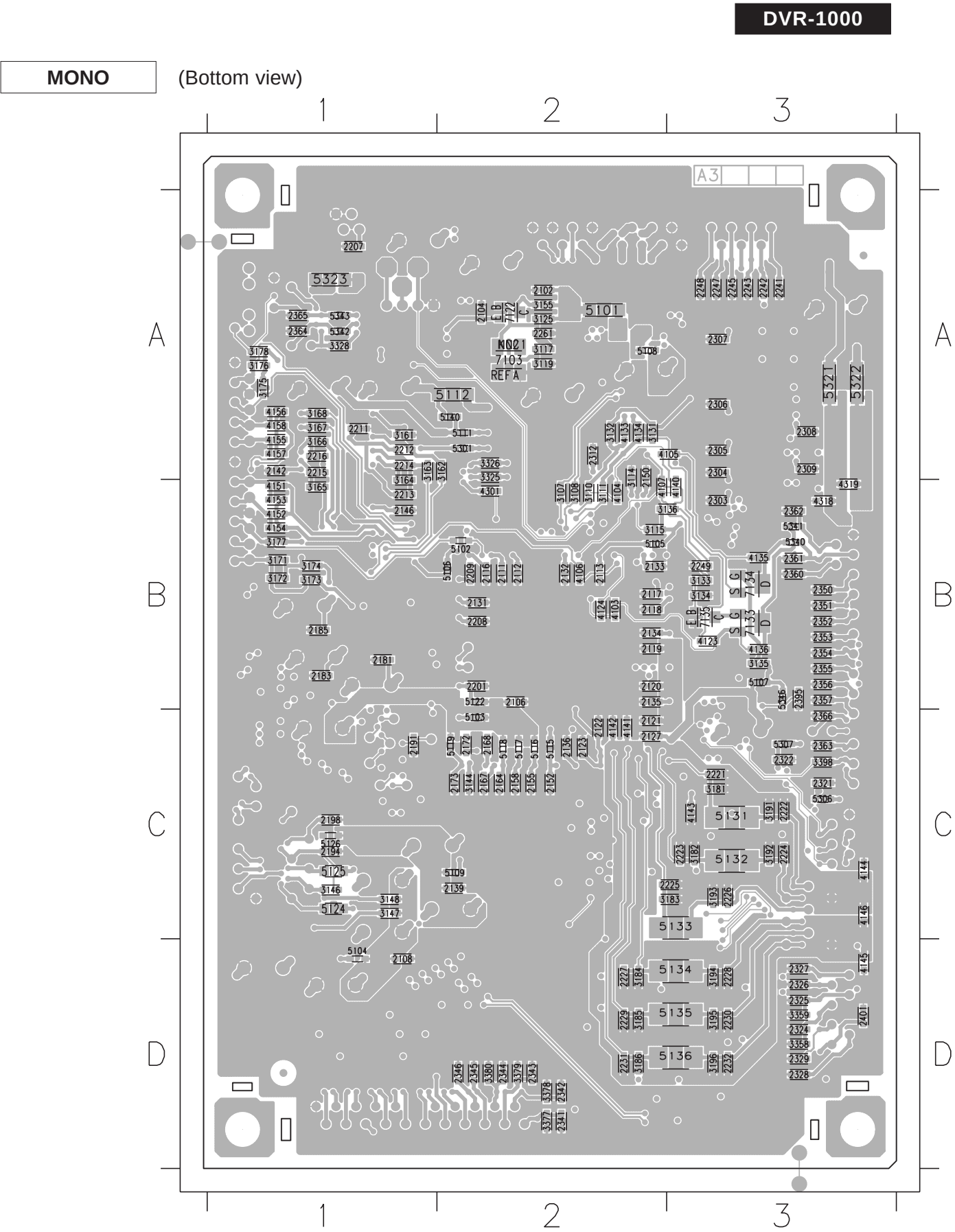
The first digit of a component indicates the component type.

1xxx : Connector	3xxx : Resistor	5xxx : Coil	7xxx : IC, Transistor, FET
2xxx : Capacitor	4xxx : SMD jumper	6xxx : Diode	9xxx : Wire jumper

1101	C3	2381	D1	3362	D3	7101	A2
1102	B3	2391	A1	3363	D3	7102	A2
1103	A3	2392	A3	3364	D3	7104	A2
1104	A2	2393	D1	3365	D3	7106	C3
1105	A1	2394	D3	3366	D3	7107	C3
1107	A3	2400	C2	3367	D3	7108	C3
1108	A3	2402	D2	3368	D3	7109	C3
1109	B3	3101	A1	3369	D3	7110	C3
1110	A3	3102	A1	3370	D3	7111	B3
1151	A2	3103	A1	3371	D3	7112	B2
1152	A2	3104	A1	3372	D3	7131	A2
1153	A2	3105	C2	3373	D3	7132	A2
1301	D1	3138	C2	3374	D3	7301	D1
1302	D3	3139	C1	3375	D2	7302	A1
1303	D2	3140	C2	3376	D2	7303	A2
1304	B1	3141	C2	3381	D3	7304	D2
1305	A3	3142	C2	3391	C1	7306	D1
2101	A2	3143	C2	3392	C1	7307	C1
2103	A3	3145	C2	3393	B1	7308	C1
2105	B3	3149	C3	3394	B1	7310	D1
2107	D3	3150	C3	3401	D2	7311	B1
2126	C1	3151	C3	3402	D2	7320	C2
2130	A2	3152	C3	3403	D2	7321	D1
2138	D2	3153	B3	3404	D2	7322	D1
2141	A3	3154	B3	3405	D2		
2145	A3	3156	A3	3406	D2		
2149	C3	3157	A3	3407	D3		
2151	C1	3158	C3	3408	D3		
2153	C2	3159	C3	3409	D3		
2154	C2	3209	B1	3410	D2		
2156	C2	3301	B1	3411	D2		
2157	C2	3302	B1	3412	D2		
2159	C2	3303	B1	3413	D2		
2161	C2	3304	B1	3414	D2		
2162	C2	3305	B1	3415	D1		
2163	C2	3306	B1	3416	D2		
2165	C2	3310	D1	3417	D2		
2166	C2	3311	D1	3418	D2		
2169	C2	3312	D1	4101	A2		
2171	C2	3313	D1	4102	A2		
2174	C2	3314	D2	4115	C3		
2175	C2	3315	D2	4116	C3		
2180	B3	3316	D1	4117	C3		
2182	B3	3317	D1	4118	C3		
2184	B3	3324	D3	4119	B3		
2186	C3	3335	D2	4122	B3		
2187	C3	3336	D2	4130	B1		
2188	C3	3337	D2	4132	C1		
2189	C3	3338	D2	4302	D1		
2190	C3	3340	D1	4303	C2		
2193	C3	3341	D1	4304	C2		
2195	D3	3342	D2	4311	D1		
2196	C3	3343	D2	4312	D1		
2202	B3	3344	D2	4313	D1		
2203	B3	3345	D1	4314	D1		
2204	B3	3346	D1	4315	C1		
2210	B3	3347	D1	4316	C1		
2301	D1	3348	D2	4317	C2		
2302	A1	3349	D1	5123	A3		
2311	A2	3350	D1	5130	C2		
2315	D2	3352	C1	5300	A1		
2316	D2	3353	C1	5302	D2		
2317	D2	3354	D1	5303	D2		
2318	D2	3355	D1	5305	D1		
2319	D2	3356	C1	5308	D1		
2320	D2	3357	B1	5344	D2		
2323	D1	3361	D3	5345	D2		

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1xxx : Connector	3xxx : Resistor	5xxx : Coil	7xxx : IC, Transistor, FET
2xxx : Capacitor	4xxx : SMD jumper	6xxx : Diode	9xxx : Wire jumper



2102 A2	2248 A3	3166 A1	5106 B2
2104 A2	2249 B3	3167 A1	5107 B3
2106 B2	2261 A2	3168 A1	5108 A2
2108 D1	2303 B3	3171 B1	5109 C2
2111 B2	2304 A3	3172 B1	5111 A2
2112 B2	2305 A3	3173 B1	5112 A2
2113 B2	2306 A3	3174 B1	5115 C2
2116 B2	2307 A3	3175 A1	5116 C2
2117 B2	2308 A3	3176 A1	5117 C2
2118 B2	2309 A3	3177 B1	5118 C2
2119 B2	2312 A2	3178 A1	5119 C2
2120 B2	2321 C3	3181 C3	5122 B2
2121 C2	2322 C3	3182 C3	5124 C1
2122 C2	2324 D3	3183 C3	5125 C1
2123 C2	2325 D3	3184 D2	5126 C1
2127 C2	2326 D3	3185 D2	5131 C3
2131 B2	2327 D3	3186 D2	5132 C3
2132 B2	2328 D3	3191 C3	5133 C3
2133 B2	2329 D3	3192 C3	5134 D3
2134 B2	2341 D2	3193 C3	5135 D3
2135 B2	2342 D2	3194 D3	5136 D3
2136 C2	2343 D2	3195 D3	5140 A2
2139 C2	2344 D2	3196 D3	5301 A2
2142 A1	2345 D2	3325 A2	5306 C3
2146 B1	2346 D2	3326 A2	5307 C3
2150 A2	2350 B3	3328 A1	5321 A3
2152 C2	2351 B3	3358 D3	5322 A3
2155 C2	2352 B3	3359 D3	5323 A1
2158 C2	2353 B3	3377 D2	5340 B3
2164 C2	2354 B3	3378 D2	5341 B3
2167 C2	2355 B3	3379 D2	5342 A1
2168 C2	2356 B3	3380 D2	5343 A1
2172 C2	2357 B3	3398 C3	5346 B3
2173 C2	2360 B3	4103 B2	7103 A2
2181 B1	2361 B3	4104 B2	7122 A2
2183 B1	2362 B3	4105 A3	7133 B3
2185 B1	2363 C3	4106 B2	7134 B3
2191 C1	2364 A1	4107 B2	7135 B3
2194 C1	2365 A1	4123 B3	
2198 C1	2366 C3	4124 B2	
2201 B2	2395 B3	4133 A2	
2207 A1	2401 D3	4134 A2	
2208 B2	3107 B2	4135 B3	
2209 B2	3108 B2	4136 B3	
2211 A1	3110 B2	4140 B3	
2212 A1	3111 B2	4141 C2	
2213 B1	3114 A2	4142 C2	
2214 A1	3115 B2	4143 C3	
2215 A1	3117 A2	4144 C3	
2216 A1	3119 A2	4145 D3	
2221 C3	3125 A2	4146 C3	
2222 C3	3131 A2	4151 B1	
2223 C3	3132 A2	4152 B1	
2224 C3	3133 B3	4153 B1	
2225 C3	3134 B3	4154 B1	
2226 C3	3135 B3	4155 A1	
2227 D2	3136 B3	4156 A1	
2228 D3	3144 C2	4157 A1	
2229 D2	3146 C1	4158 A1	
2230 D3	3147 C1	4301 B2	
2231 D2	3148 C1	4318 B3	
2232 D3	3155 A2	4319 B3	
2241 A3	3161 A1	5101 A2	
2242 A3	3162 A2	5102 B2	
2243 A3	3163 A1	5103 C2	
2245 A3	3164 B1	5104 D1	
2247 A3	3165 B1	5105 B2	

1xxx : Connector	3xxx : Resistor	5xxx : Coil	7xxx : IC, Transistor, FET
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(Top view)

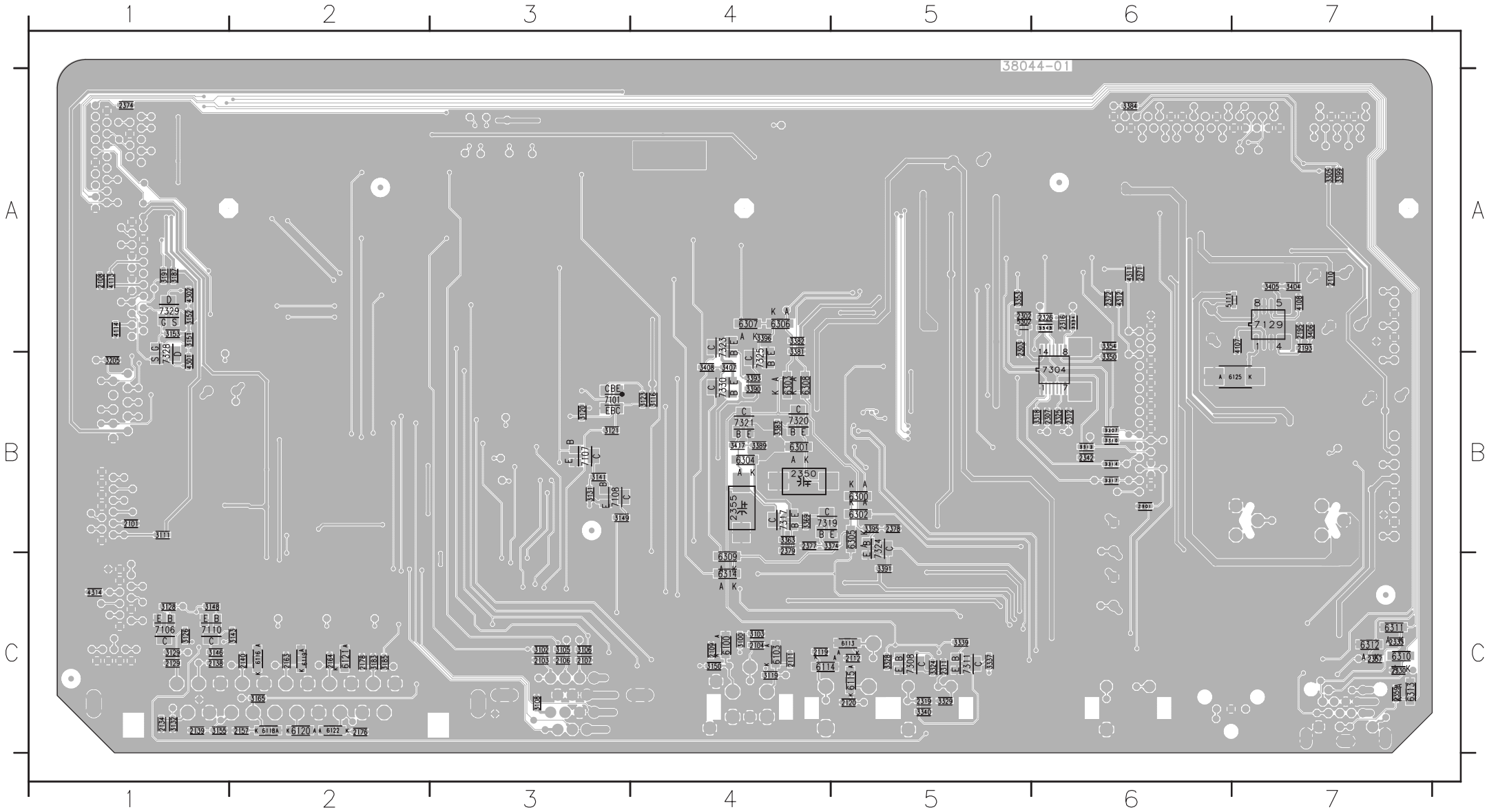


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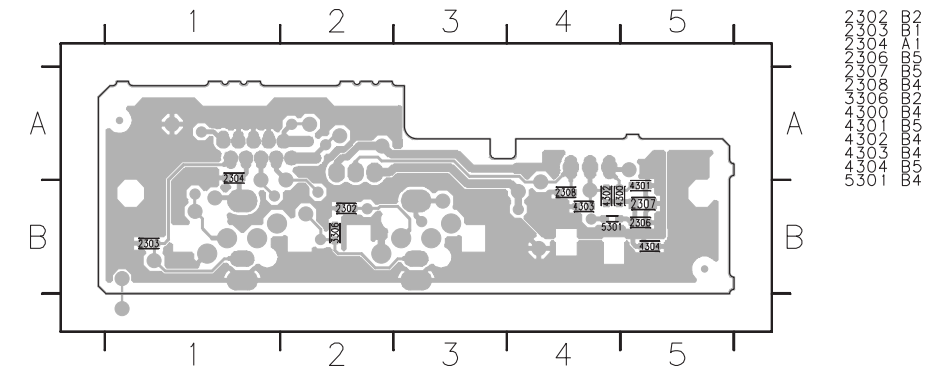
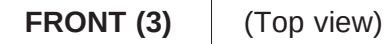
DVR-1000

AV (Bottom view)



101	B	3185	C2	6309	C4
103	C3	3187	A1	6303	C7
104	C4	3191	A1	6303	C7
106	C3	3202	B1	6303	C7
107	C3	3203	A7	6303	C7
108	A1	3204	B6	6303	C7
109	C4	3205	B6	6303	C7
110	A7	3206	B6	6303	C7
111	C5	3207	B6	6303	C7
112	C5	3208	B6	6303	C7
113	C5	3209	B6	6303	C7
114	C5	3210	B6	6303	C7
115	C5	3211	B6	6303	C7
116	C5	3212	B6	6303	C7
117	C5	3213	B6	6303	C7
118	C5	3214	B6	6303	C7
119	C5	3215	B6	6303	C7
120	C5	3216	B6	6303	C7
121	C5	3217	B6	6303	C7
122	C5	3218	B6	6303	C7
123	C5	3219	B6	6303	C7
124	C5	3220	B6	6303	C7
125	C5	3221	B6	6303	C7
126	C5	3222	B6	6303	C7
127	C5	3223	B6	6303	C7
128	C5	3224	B6	6303	C7
129	C5	3225	B6	6303	C7
130	C5	3226	B6	6303	C7
131	C5	3227	B6	6303	C7
132	C5	3228	B6	6303	C7
133	C5	3229	B6	6303	C7
134	C5	3230	B6	6303	C7
135	C5	3231	B6	6303	C7
136	C5	3232	B6	6303	C7
137	C5	3233	B6	6303	C7
138	C5	3234	B6	6303	C7
139	C5	3235	B6	6303	C7
140	C5	3236	B6	6303	C7
141	C5	3237	B6	6303	C7
142	C5	3238	B6	6303	C7
143	C5	3239	B6	6303	C7
144	C5	3240	B6	6303	C7
145	C5	3241	B6	6303	C7
146	C5	3242	B6	6303	C7
147	C5	3243	B6	6303	C7
148	C5	3244	B6	6303	C7
149	C5	3245	B6	6303	C7
150	C5	3246	B6	6303	C7
151	C5	3247	B6	6303	C7
152	C5	3248	B6	6303	C7
153	C5	3249	B6	6303	C7
154	C5	3250	B6	6303	C7
155	C5	3251	B6	6303	C7
156	C5	3252	B6	6303	C7
157	C5	3253	B6	6303	C7
158	C5	3254	B6	6303	C7
159	C5	3255	B6	6303	C7
160	C5	3256	B6	6303	C7
161	C5	3257	B6	6303	C7
162	C5	3258	B6	6303	C7
163	C5	3259	B6	6303	C7
164	C5	3260	B6	6303	C7
165	C5	3261	B6	6303	C7
166	C5	3262	B6	6303	C7
167	C5	3263	B6	6303	C7
168	C5	3264	B6	6303	C7
169	C5	3265	B6	6303	C7
170	C5	3266	B6	6303	C7
171	C5	3267	B6	6303	C7
172	C5	3268	B6	6303	C7
173	C5	3269	B6	6303	C7
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178	C5	3274	B6	6303	C7
179	C5	3275	B6	6303	C7
180	C5	3276	B6	6303	C7
181	C5	3277	B6	6303	C7
182	C5	3278	B6	6303	C7
183	C5	3279	B6	6303	C7
184	C5	3280	B6	6303	C7
185	C5	3281	B6	6303	C7
186	C5	3282	B6	6303	C7
187	C5	3283	B6	6303	C7
188	C5	3284	B6	6303	C7
189	C5	3285	B6	6303	C7
190	C5	3286	B6	6303	C7
191	C5	3287	B6	6303	C7
192	C5	3288	B6	6303	C7
193	C5	3289	B6	6303	C7
194	C5	3290	B6	6303	C7
195	C5	3291	B6	6303	C7
196	C5	3292	B6	6303	C7
197	C5	3293	B6	6303	C7
198	C5	3294	B6	6303	C7
199	C5	3295	B6	6303	C7
200	C5	3296	B6	6303	C7
201	C5	3297	B6	6303	C7
202	C5	3298	B6	6303	C7
203	C5	3299	B6	6303	C7
204	C5	3300	B6	6303	C7
205	C5	3301	B6	6303	C7
206	C5	3302	B6	6303	C7
207	C5	3303	B6	6303	C7
208	C5	3304	B6	6303	C7
209	C5	3305	B6	6303	C7
210	C5	3306	B6	6303	C7
211	C5	3307	B6	6303	C7
212	C5	3308	B6	6303	C7
213	C5	3309	B6	6303	C7
214	C5	3310	B6	6303	C7
215	C5	3311	B6	6303	C7
216	C5	3312	B6	6303	C7
217	C5	3313	B6	6303	C7
218	C5	3314	B6	6303	C7
219	C5	3315	B6	6303	C7
220	C5	3316	B6	6303	C7
221	C5	3317	B6	6303	C7
222	C5	3318	B6	6303	C7
223	C5	3319	B6	6303	C7
224	C5	3320	B6	6303	C7
225	C5	3321	B6	6303	C7
226	C5	3322	B6	6303	C7
227	C5	3323	B6	6303	C7
228	C5	3324	B6	6303	C7
229	C5	3325	B6	6303	C7
230	C5	3326	B6	6303	C7
231	C5	3327	B6	6303	C7
232	C5	3328	B6	6303	C7
233	C5	3329	B6	6303	C7
234	C5	3330	B6	6303	C7
235	C5	3331	B6	6303	C7
236	C5	3332	B6	6303	C7
237	C5	3333	B6	6303	C7
238	C5	3334	B6	6303	C7
239	C5	3335	B6	6303	C7
240	C5	3336	B6	6303	C7
241	C5	3337	B6	6303	C7
242	C5	3338	B6	6303	C7
243	C5	3339	B6	6303	C7
244	C5	3340	B6	6303	C7
245	C5	3341	B6	6303	C7
246	C5	3342	B6	6303	C7
247	C5	3343	B6	6303	C7
248	C5	3344	B6	6303	C7
249	C5	3345	B6	6303	C7
250	C5	3346	B6	6303	C7
251	C5	3347	B6	6303	C7
252	C5	3348	B6	6303	C7
253	C5	3349	B6	6303	C7
254	C5	3350	B6	6303	C7
255	C5	3351	B6	6303	C7
256	C5	3352	B6	6303	C7
257	C5	3353	B6	6303	C7
258	C5	3354	B6	6303	C7
259	C5	3355	B6	6303	C7
260	C5	3356	B6	6303	C7
261	C5	3357	B6	6303	C7
262	C5	3358	B6	6303	C7
263	C5	3359	B6	6303	C7
264	C5	3360	B6	6303	C7
265	C5	3361	B6	6303	C7
266	C5	3362	B6	6303	C7
267	C5	3363	B6	6303	C7
268	C5	3364	B6	6303	C7
269	C5	3365	B6	6303	C7
270	C5	3366	B6	6303	C7
271	C5	3367	B6	6303	C7
272	C5	3368	B6	6303	C7
273	C5	3369	B6	6303	C7
274	C5	3370	B6	6303	C7
275	C5	3371	B6	6303	C7
276	C5	3372	B6	6303	C7
277	C5	3373	B6	6303	C7
278	C5	3374	B6	6303	C7
279	C5	3375	B6	6303	C7
280	C5	3376	B6	6303	C7
281	C5	3377	B6	6303	C7
282	C5	3378	B6	6303	C7
283	C5	3379	B6	6303	C7
284	C5	3380	B6	6303	C7
285	C5	3381	B6	6303	C7
286	C5	3382	B6	6303	C7
287	C5	3383	B6	6303	C7
288	C5	3384	B6	6303	C7
289	C5	3385	B6	6303	C7
290	C5	3386	B6	6303	C7
291	C5	3387	B6	6303	C7
292	C5	3388	B6	6303	C7
293	C5	3389	B6	6303	C7
294	C5	3390	B6	6303	C7
295	C5	3391	B6	6303	C7
296	C5	3392	B6	6303	C7
297	C5	3393	B6	6303	C7
298	C5	3394	B6	6303	C7
299	C5	3395	B6	6303	C7
300	C5	3396	B6	6303	C7
301	C5	3397	B6	6303	C7
302	C5	3398	B6	6303	C7
303	C5	3399	B6	6303	C7
304	C5	3400	B6	6303	C7
305	C5	3401	B6	6303	C7
306	C5	3402	B6	6303	C7
307	C5	3403	B6	6303	C7
308	C5	3404	B6	6303	C7
309	C5	3405	B6	6303	C7
310	C5	3406	B6	6303	C7
311	C5	3407	B6	6303	C7
312	C5	3408	B6	6303	C7
313	C5	3409	B6	6303	C7
314	C5	3410	B6	6303	C7
315	C5	3411	B6	6303	C7
316	C5	3412	B6	6303	C7
317	C5	3413	B6	6303	C7
318	C5	3414	B6	6303	C7
319	C5	3415	B6	6303	C7
320	C5	3416	B6	6303	C7
321	C5	3417	B6	6303	C7
322	C5	3418	B6	6303	C7
323	C5	3419	B6	6303	C7
324	C5	3420	B6	6303	C7
325	C5	3421	B6	6303	C7
326	C5	3422	B6	6303	C7
327	C5	3423	B6	6303	C7
328	C5	3424	B6	6303	C7
329	C5	3425	B6	6303	C7
330	C5	3426	B6	6303	C7
331	C5	3427	B6	6303	C7
332	C5	3428	B6	6303	C7
333	C5	3429	B6	6303	C7
334	C5	3430	B6	6303	C7
335	C5	3431	B6	6303	C7
336	C5	3432	B6	6303	C7
337	C5	3433	B6	6303	C7
338	C5	3434	B6	6303	C7
339	C5	3435	B6	6303	C7
340	C5	3436	B6	6303	C7
341	C5	3437	B6	6303	C7
342	C5	3438	B6	6303	C7
343	C5	3439	B6	6303	C7
344	C5	3440	B6	6303	C7
345	C5	3441	B6	6303	C7
346	C5	3442	B6	6303	C7
347	C5	3443	B6	6303	C7
348	C5	3444	B6	6303	C7
349	C5	3445	B6	6303	C7
350	C5	3446	B6	6303	C7
351	C5	3447	B6	6303	C7
352	C5	3448	B6	6303	C7
353	C5	3449	B6	6303	C7
354	C5	3450	B6	6303	C7
355	C5	3451	B6	6303	C7
356	C5	3452	B6	6303	C

FRONT (1) (Top view)

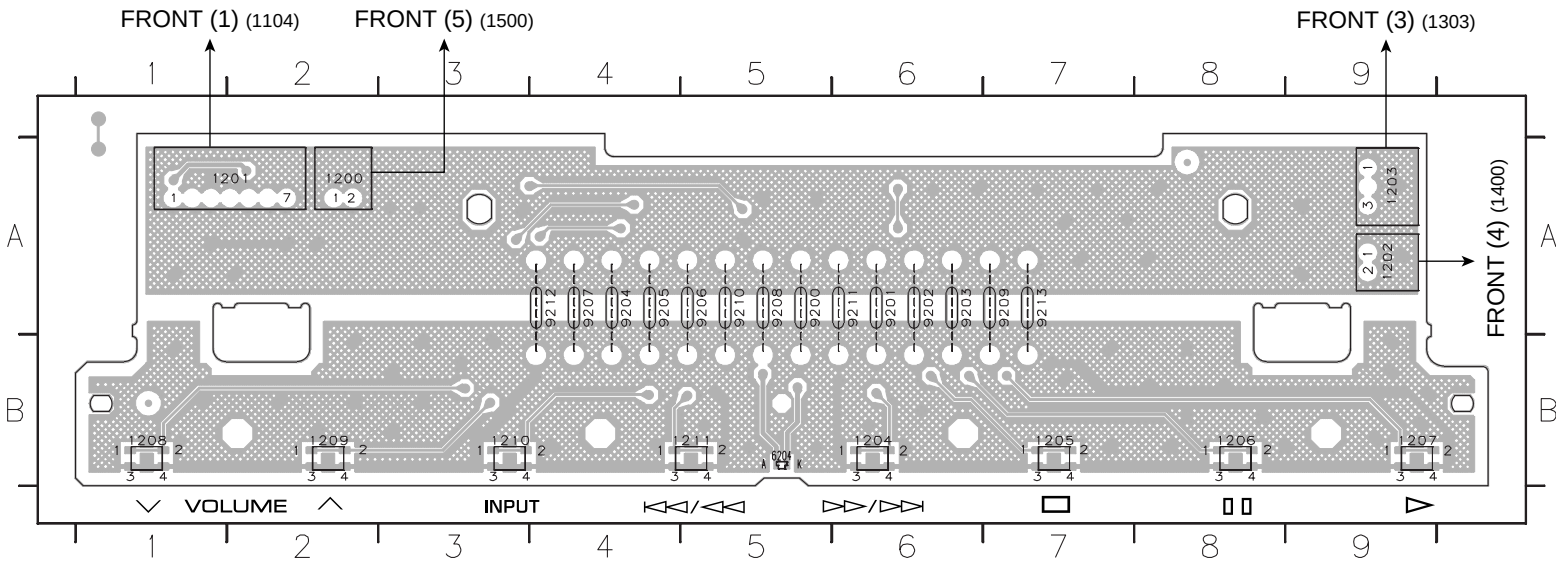


DVR-1000

The first digit of a component indicates the component type.

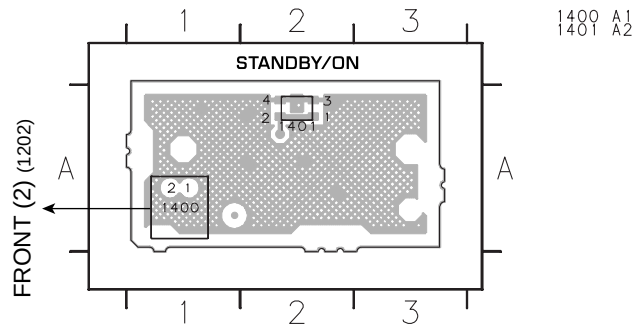
1xxx : Connector 3xxx : Resistor 5xxx : Coil 7xxx : IC, Transistor, FET
2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

FRONT (2) (Top view)

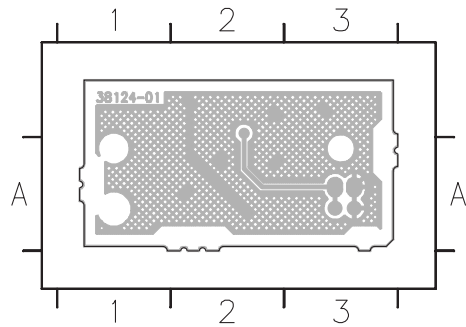


1200 A2
1201 A2
1202 A2
1203 A2
1204 A2
1205 A2
1206 A2
1207 A2
1208 A2
1209 A2
1210 A2
1211 A2
1212 A2
1213 A2
1200 A7
1201 A7
1202 A7
1203 A7
1204 A7
1205 A7
1206 A7
1207 A7
1208 A7
1209 A7
1210 A7
1211 A7
1212 A7
1213 A7

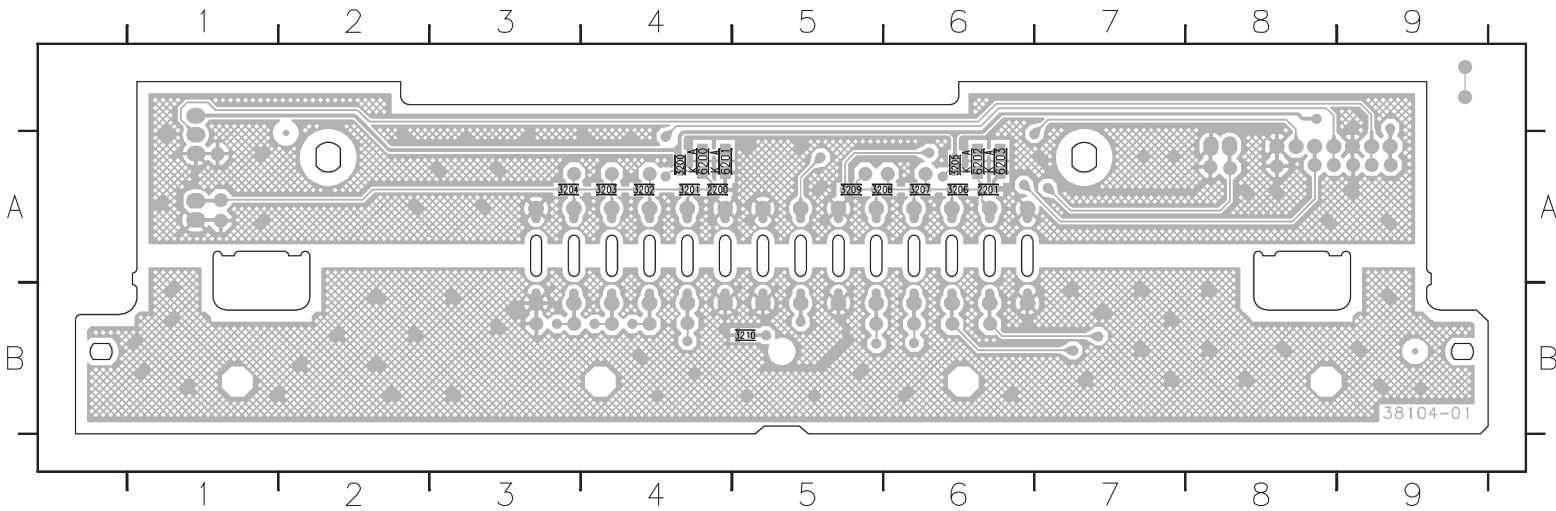
FRONT (4) (Top view)



FRONT (4) (Bottom view)

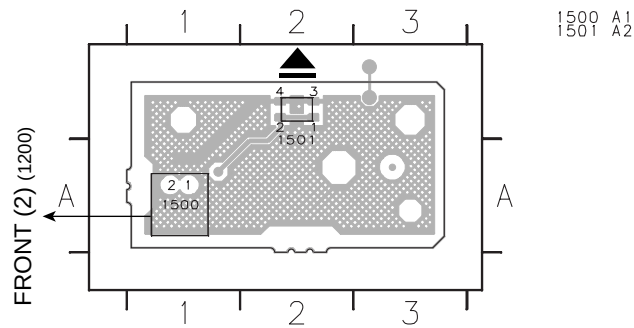


FRONT (2) (Bottom view)

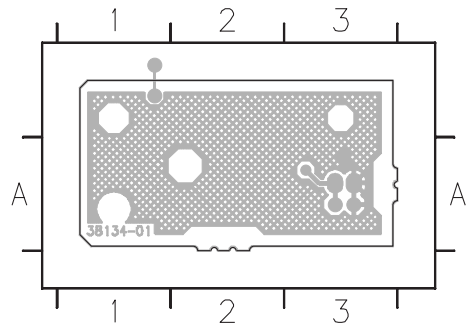


2200 A4
2201 A4
2202 A4
2203 A4
2204 A4
2205 A4
2206 A4
2207 A4
2208 A4
2209 A4
2210 A4
2211 A4
2212 A4
2213 A4
2200 A6
2201 A6
2202 A6
2203 A6
2204 A6
2205 A6
2206 A6
2207 A6
2208 A6
2209 A6
2210 A6
2211 A6
2212 A6
2213 A6

FRONT (5) (Top view)



FRONT (5) (Bottom view)



HDMI

(Top view)

DVR-1000

The first digit of a component indicates the component type.

1xxx : Connector

3xxx : Resistor

5xxx : Coil

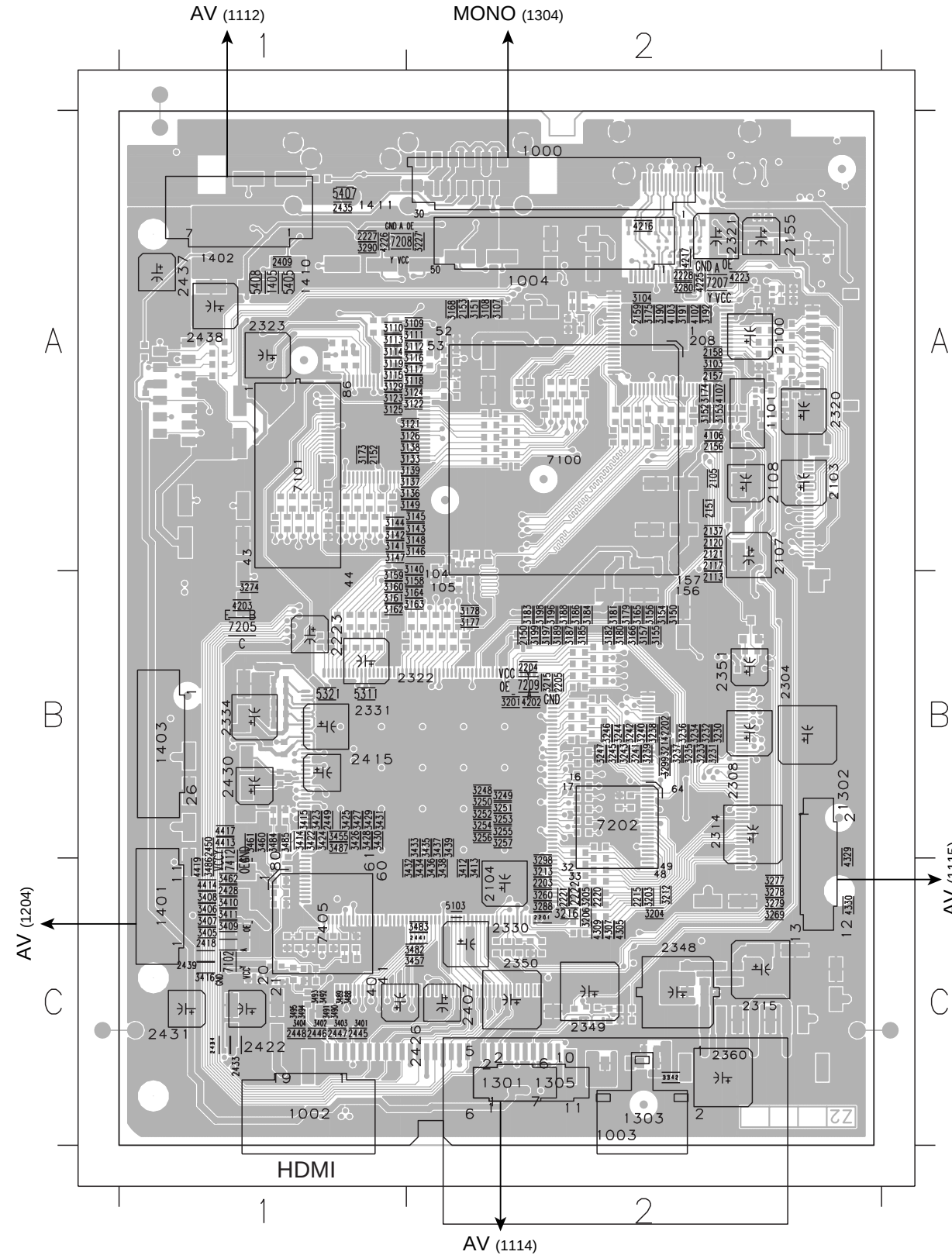
7xxx : IC, Transistor, FET

2xxx : Capacitor

4xxx : SMD jumper

6xxx : Diode

9xxx : Wire jumper

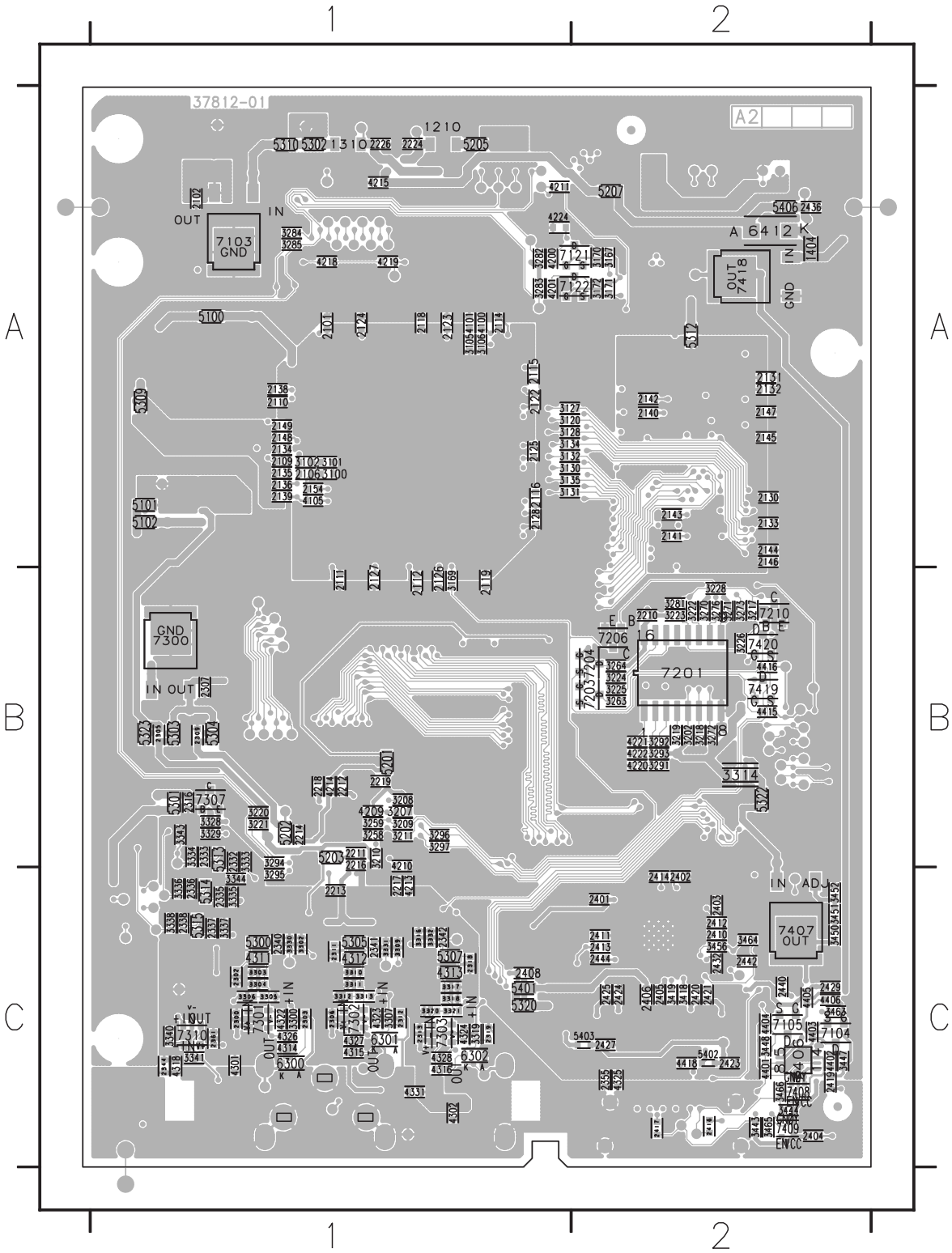


1000	A2	2441	C2	3190	A2	3426	B1
1002	C1	2445	C1	1919	A2	3427	B1
1003	C2	2446	C1	1921	A2	3428	B1
1004	A2	2447	C1	1967	A2	3429	B1
1101	A2	2448	C1	1976	A2	3430	B1
1301	C2	2449	B1	1989	C2	3431	B1
1302	B2	2450	B1	1999	C2	3432	B1
1303	C2	2451	A2	2001	C2	3433	B1
1305	C2	2452	A2	2003	C2	3434	B1
1401	C1	2453	A2	2004	C2	3435	B1
1402	A1	2454	A2	2005	C2	3436	B1
1403	B1	2455	A2	2006	C2	3437	B1
1405	A1	2456	A1	2012	C2	3438	B1
1410	A1	2457	A2	2013	C2	3439	B1
1411	A1	2458	A2	2014	C2	3440	B1
2100	A2	2459	A1	2015	C2	3441	B1
2103	A2	2460	A1	2016	C2	3442	B1
2104	C2	2461	A1	2017	A2	3443	B1
2105	A2	2462	A2	2018	C2	3444	B1
2107	A2	2463	A2	2019	C2	3445	B1
2108	A2	2464	A2	2020	C2	3446	B1
2113	B2	2465	A1	2021	C2	3447	B1
2117	A2	2466	A2	2022	C2	3448	B1
2120	A2	2467	A2	2023	C2	3449	B1
2121	A2	2468	A1	2024	C2	3450	B1
2137	B2	2469	A2	2025	C2	3451	B1
2150	A2	2470	A1	2026	C2	3452	B1
2152	A1	2471	A1	2027	C2	3453	B1
2153	A2	2472	A2	2028	C2	3454	B1
2155	A2	2473	A2	2029	C2	3455	B1
2156	A2	2474	A2	2030	C2	3456	B1
2157	A2	2475	A2	2031	C2	3457	B1
2158	A2	2476	A2	2032	C2	3458	B1
2159	A2	2477	A2	2033	C2	3459	B1
2201	C2	2478	A1	2034	C2	3460	B1
2202	B2	2479	A1	2035	C2	3461	B1
2203	C2	2480	A2	2036	C2	3462	B1
2204	B2	2481	A1	2037	C2	3463	B1
2205	B2	2482	A2	2038	C2	3464	B1
2215	C2	2483	A2	2039	C2	3465	B1
2220	C2	2484	A1	2040	C2	3466	B1
2221	C2	2485	A2	2041	C2	3467	B1
2222	C2	2486	A2	2042	C2	3468	B1
2223	B1	2487	B2	2043	C2	3469	B1
2227	A1	2488	A2	2044	C2	3470	B1
2228	A2	2489	A2	2045	C2	3471	B1
2304	B2	2490	A2	2046	C2	3472	B1
2308	B2	2491	B2	2047	B1	3473	B1
2315	B2	2492	B2	2048	C2	3474	B1
2321	C2	2493	B2	2049	C2	3475	B1
2322	A2	2494	B2	2050	C2	3476	B1
2323	B1	2495	B2	2051	C2	3477	B1
2324	A2	2496	B2	2052	C2	3478	B1
2325	A1	2497	B2	2053	C2	3479	B1
2326	A2	2498	B2	2054	C2	3480	B1
2327	A2	2499	B2	2055	C2	3481	B1
2328	A2	2500	B2	2056	C2	3482	B1
2330	B2	2501	B2	2057	C2	3483	B1
2331	B2	2502	B2	2058	C2	3484	B1
2332	B2	2503	B2	2059	C2	3485	B1
2333	A1	2504	B2	2060	C2	3486	B1
2334	B1	2505	B2	2061	C2	3487	B1
2335	C2	2506	B2	2062	C2	3488	B1
2336	C2	2507	B2	2063	C2	3489	B1

The first digit of a component indicates the component type.

- 1xxx : Connector
2xxx : Capacitor
3xxx : Resistor
4xxx : SMD jumper
5xxx : Coil
6xxx : Diode
7xxx : IC, Transistor, FET
8xxx : Diode
9xxx : Wire jumper

HDMI
(Bottom view)



1210	A1	2402	A1	4318	C1
1310	A1	2403	A1	4322	C1
1404	A2	2404	A1	4323	C1
1002	A1	2405	A1	4324	C1
1006	A1	2406	A1	4325	C1
1009	A1	2407	A1	4326	C1
1100	A1	2408	A1	4327	C1
1101	A1	2409	A1	4328	C1
1102	B1	2410	A1	4329	C1
1103	B1	2411	A1	4330	C1
1104	B1	2412	A1	4331	C1
1105	A1	2413	A1	4332	C1
1106	A1	2414	A1	4333	C1
1107	A1	2415	A1	4334	C1
1108	A1	2416	A1	4335	C1
1109	B1	2417	A1	4336	C1
1110	A1	2418	A1	4337	C1
1111	A1	2419	A1	4338	C1
1112	A1	2420	A1	4339	C1
1113	A1	2421	A1	4340	C1
1114	A1	2422	A1	4341	C1
1115	A1	2423	A1	4342	C1
1116	A1	2424	A1	4343	C1
1117	A1	2425	A1	4344	C1
1118	A1	2426	A1	4345	C1
1119	B1	2427	A1	4346	C1
1120	A1	2428	A1	4347	C1
1121	A1	2429	A1	4348	C1
1122	A1	2430	A1	4349	C1
1123	A1	2431	A1	4350	C1
1124	A1	2432	A1	4351	C1
1125	A1	2433	A1	4352	C1
1126	B1	2434	A1	4353	C1
1127	A1	2435	A1	4354	C1
1128	A1	2436	A1	4355	C1
1129	A1	2437	A1	4356	C1
1130	A1	2438	A1	4357	C1
1131	A1	2439	A1	4358	C1
1132	A2	2440	A1	4359	C1
1133	A2	2441	A1	4360	C1
1134	A2	2442	A1	4361	C1
1135	A2	2443	A1	4362	C1
1136	A1	2444	A1	4363	C1
1137	A1	2445	A1	4364	C1
1138	A1	2446	A1	4365	C1
1139	A1	2447	A1	4366	C1
1140	A2	2448	A1	4367	C1
1141	A2	2449	A1	4368	C1
1142	A2	2450	A1	4369	C1
1143	A2	2451	A1	4370	C1
1144	A2	2452	A1	4371	C1
1145	A2	2453	A1	4372	C1
1146	A2	2454	A1	4373	C1
1147	A2	2455	A1	4374	C1
1148	A1	2456	A1	4375	C1
1149	A1	2457	A1	4376	C1
1150	B2	2458	A1	4377	C1
1151	A1	2459	A1	4378	C1
1152	B2	2460	A1	4379	C1
1153	A1	2461	A1	4380	C1
1154	A1	2462	A1	4381	C1
1155	A1	2463	A1	4382	C1
1156	A1	2464	A1	4383	C1
1157	A1	2465	A1	4384	C1
1158	A1	2466	A1	4385	C1
1159	A1	2467	A1	4386	C1
1160	A1	2468	A1	4387	C1
1161	A1	2469	A1	4388	C1
1162	A1	2470	A1	4389	C1
1163	A1	2471	A1	4390	C1
1164	A1	2472	A1	4391	C1
1165	A1	2473	A1	4392	C1
1166	A1	2474	A1	4393	C1
1167	A1	2475	A1	4394	C1
1168	A1	2476	A1	4395	C1
1169	A1	2477	A1	4396	C1
1170	A1	2478	A1	4397	C1
1171	A1	2479	A1	4398	C1
1172	A1	2480	A1	4399	C1
1173	A1	2481	A1	4400	C1
1174	A1	2482	A1	4401	C1
1175	A1	2483	A1	4402	C1
1176	A1	2484	A1	4403	C1
1177	A1	2485	A1	4404	C1
1178	A1	2486	A1	4405	C1
1179	A1	2487	A1	4406	C1
1180	A1	2488	A1	4407	C1
1181	A1	2489	A1	4408	C1
1182	A1	2490	A1	4409	C1
1183	A1	2491	A1	4410	C1
1184	A1	2492	A1	4411	C1
1185	A1	2493	A1	4412	C1
1186	A1	2494	A1	4413	C1
1187	A1	2495	A1	4414	C1
1188	A1	2496	A1	4415	C1
1189	A1	2497	A1	4416	C1
1190	A1	2498	A1	4417	C1
1191	A1	2499	A1	4418	C1
1192	A1	2500	A1	4419	C1
1193	A1	2501	A1	4420	C1
1194	A1	2502	A1	4421	C1
1195	A1	2503	A1	4422	C1
1196	A1	2504	A1	4423	C1
1197	A1	2505	A1	4424	C1
1198	A1	2506	A1	4425	C1
1199	A1	2507	A1	4426	C1
1200	A1	2508	A1	4427	C1
1201	A1	2509	A1	4428	C1
1202	A1	2510	A1	4429	C1
1203	A1	2511	A1	4430	C1
1204	A1	2512	A1	4431	C1
1205	A1	2513	A1	4432	C1
1206	A1	2514	A1	4433	C1
1207	A1	2515	A1	4434	C1
1208	A1	2516	A1	4435	C1
1209	A1	2517	A1	4436	C1
1210	A1	2518	A1	4437	C1
1211	A1	2519	A1	4438	C1
1212	A1	2520	A1	4439	C1
1213	A1	2521	A1	4440	C1
1214	A1	2522	A1	4441	C1
1215	A1	2523	A1	4442	C1
1216	A1	2524	A1	4443	C1
1217	A1	2525	A1	4444	C1
1218	A1	2526	A1	4445	C1
1219	A1	2527	A1	4446	C1
1220	A1	2528	A1	4447	C1
1221	A1	2529	A1	4448	C1
1222	A1	2530	A1	4449	C1
1223	A1	2531	A1	4450	C1
1224	A1	2532	A1	4451	C1
1225	A1	2533	A1	4452	C1
1226	A1	2534	A1	4453	C1
1227	A1	2535	A1	4454	C1
1228	A1	2536	A1	4455	C1
1229	A1	2537	A1	4456	C1
1230	A1	2538	A1	4457	C1
1231	A1	2539	A1	4458	C1
1232	A1	2540	A1	4459	C1
1233	A1	2541	A1	4460	C1
1234	A1	2542	A1	4461	C1
1235	A1	2543	A1	4462	C1
1236	A1	2544	A1	4463	C1
1237	A1	2545	A1	4464	C1
1238	A1	2546	A1	4465	C1
1239	A1	2547	A1	4466	C1
1240	A1	2548	A1	4467	C1
1241	A1	2549	A1	4468	C1
1242	A1	2550	A1	4469	C1
1243	A1	2551	A1	4470	C1
1244	A1	2552	A1	4471	C1
1245	A1	2553	A1	4472	C1
1246	A1	2554	A1	4473	C1
1247	A1	2555	A1	4474	C1
1248	A1	2556	A1	4475	C1
1249	A1	2557	A1	4476	C1
1250	A1	2558	A1	4477	C1
1251	A1	2559	A1	4478	C1
1252	A1	2560	A1	4479	C1
1253	A1	2561	A1	4480	C1
1254	A1	2562	A1	4481	C1
1255	A1	2563	A1	4482	C1
1256	A1	2564	A1	4483	C1
1257	A1	2565	A1	4484	C1
1258	A1	2566	A1	4485	C1
1259	A1	2567	A1	4486	C1
1260	A1	2568	A1	4487	C1
1261	A1	2569	A1	4488	C1
1262	A1	2570	A1	4489	C1
1263	A1	2571	A1	4490	C1
1264	A1	2572	A1	4491	C1
1265	A1	2573	A1	4492	C1
1266	A1	2574	A1	4493	C1
1267	A1	2575	A1	4494	C1
1268	A1	2576	A1	4495	C1
1269	A1	2577	A1	4496	C1
1270	A1	2578	A1	4497	C1
1271	A1	2579	A1	4498	C1
1272	A1	2580	A1	4499	C1
1273	A1	2581	A1	4500	C1
1274	A1	2582	A1	4501	C1
1275	A1	2583	A1	4502	C1
1276	A1	2584	A1	4503	C1
1277	A1	2585	A1	4504	C1
1278	A1	2586	A1	4505	C1
1279	A1	2587	A1	4506	C1
1280	A1	2588	A1	4507	C1
1281	A1	2589	A1	4508	C1
1282	A1	2590	A1	4509	C1
1283	A1	2591	A1	4510	C1
1284	A1	2592	A1	4511	C1
1285	A1	2593	A1	4512	C1
1286	A1	2594	A1	4513	C1
1287	A1	2595	A1	4514	C1
1288	A1	2596	A1	4515	C1
1289	A1	2597	A1	4516	C1
1290	A1	2598	A1	4517	C1
1291	A1	2599	A1	4518	C1
1292	A1	2600	A1	4519	C1
1293	A1	2601	A1	4520	C1
1294	A1	2602	A1	4521	C1
1295	A1	2603	A1	4522	C1
1296	A1	2604	A1	4523	C1
1297	A1	2605	A1	4524	C1
1298	A1	2606	A1	4525	C1
1299	A1	2607	A1	4526	C1
1300	A1	2608	A1	4527	C1
1301	A1	2609	A1	4528	C1
1302	A1	2610	A1	4529	C1
1303	A1	2611	A1	4530	C1
1304	A1	2612	A1	4531	C1
1305	A1	2613	A1	4532	C1
1306	A1	2614	A1	4533	C1
1307	A1	2615	A1	4534	C1
1308	A1	2616	A1	4535	C1
1309	A1	2617	A1	4536	C1
1310	A1	2618	A1	4537	C1
1311	A1	2619	A1	4538	C1
1312	A1	2620	A1	4539	C1
1313	A1	2621	A1	4540	C1
1314	A1	2622	A1	4541	C1
1315	A1	2623	A1	4542	C1
1316	A1	2624	A1	4543	C1
1317	A1	2625	A1	4544	C1
1318	A1	2626	A1	4545	C1
1319	A1	2627	A1	4546	C1
1320	A1	2628	A1	4547	C1
1321	A1	2629	A1	4548	C1
1322	A1	2630	A1	4549	C1
1323	A1	2631	A1	4550	C1
1324	A1	2632	A1	4551	C

DSP (1)

(Side A)

DSP (3) (CB304)

MAIN (1) (CB2)

DSP (2)
(CB203)

DSP (2)
(CB202)

3
CH₃

DSP (2)
(CB201)

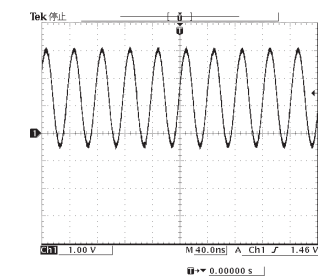
MAIN (2)
(CB3)

CH₂

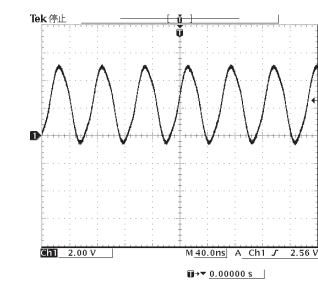
MAIN (2)
(CB4)

MAIN (1)
(CB1)

Point ① Pin 29 of IC4



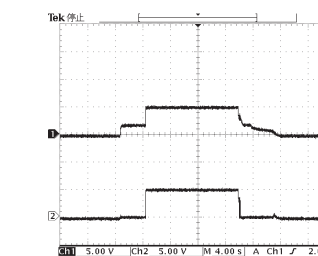
Point ② Pin 13 of IC13



Point ③

CH 1 : Out of IC16

CH 2 : Collector of Q1



SYSTEM POWER SW ON SYSTEM POWER SW OFF

- **Semiconductor Location**

Ref. No.	Location
D8	E5
D13	D5
D14	D5
D15	E4
D16	E4
D17	F4
IC1	C4
IC2	B3
IC3	C4
IC4	B3
IC5	D4
IC6	B3
IC7	D4
IC8	C5
IC9	C3
IC10	E3
IC11	E5
IC12	D5
IC13	B4
IC14	F3
IC15	E3
IC16	D5
IC17	E4
Q1	D5
Q2	D5
Q3	E4
Q4	E4
Q5	E5
Q6	E5
Q7	E5
Q8	E5

A

B

C

D

E

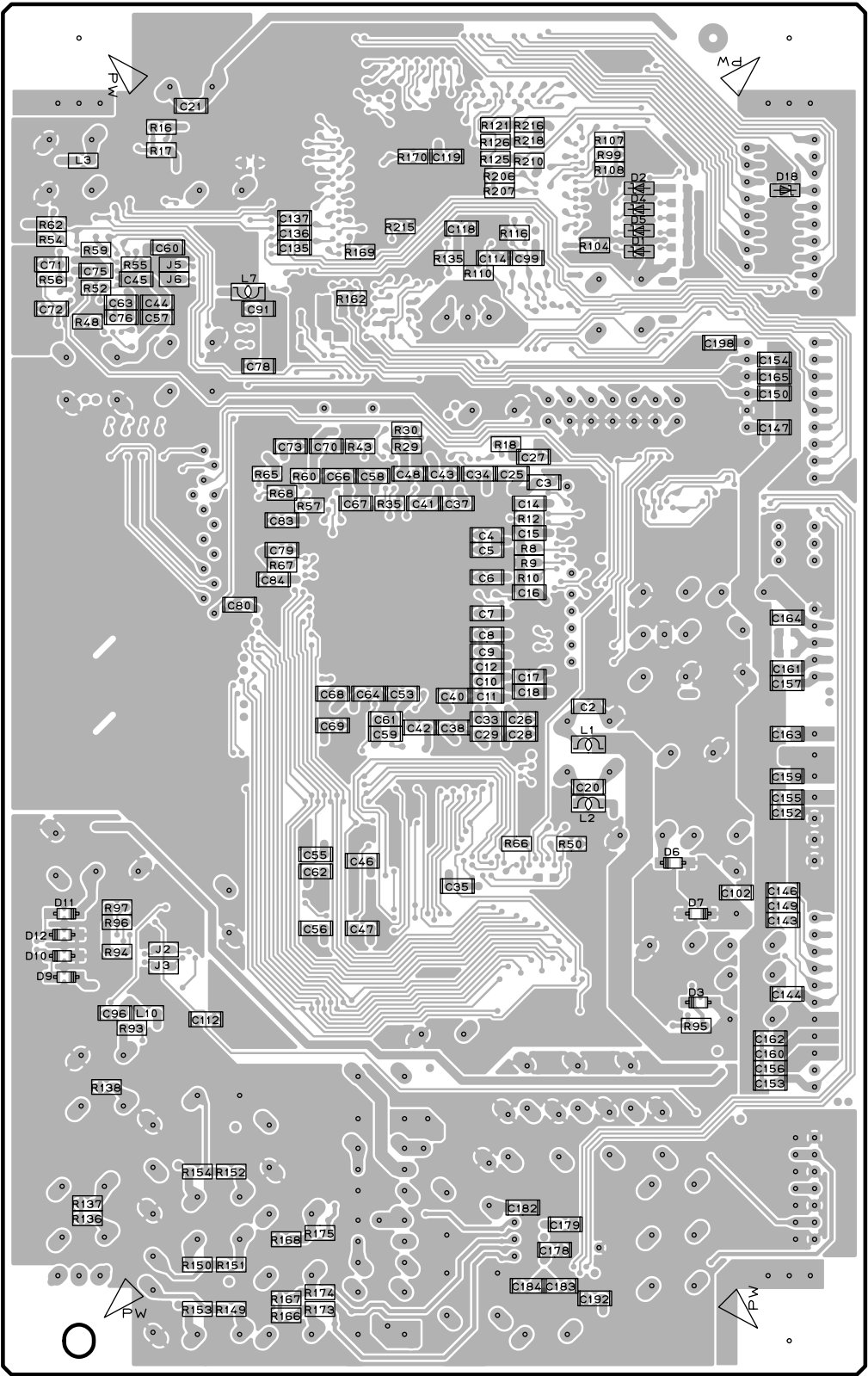
F

● Semiconductor Location

Ref. No.	Location
D1	B5
D2	B5
D3	E5
D4	B5
D5	B5
D6	D5
D7	D5
D9	E3
D10	D3
D11	D3
D12	D3
D18	B5

DSP (1)

(Side B)

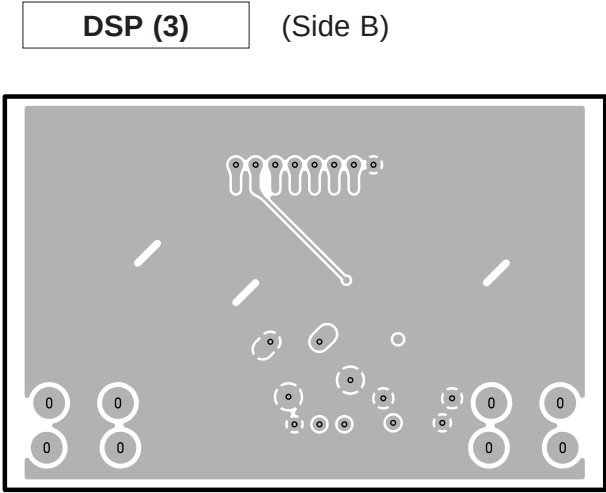
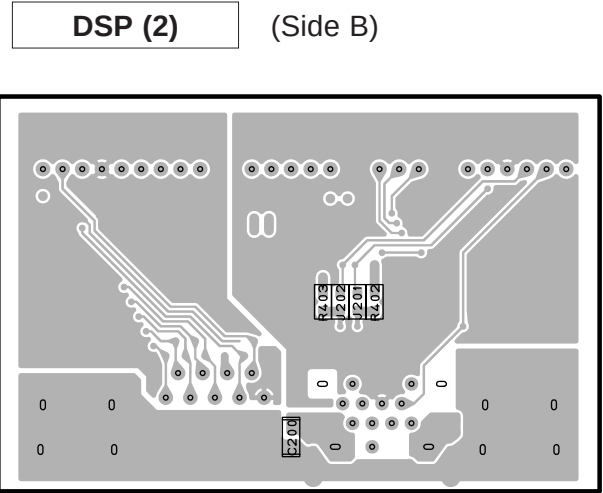
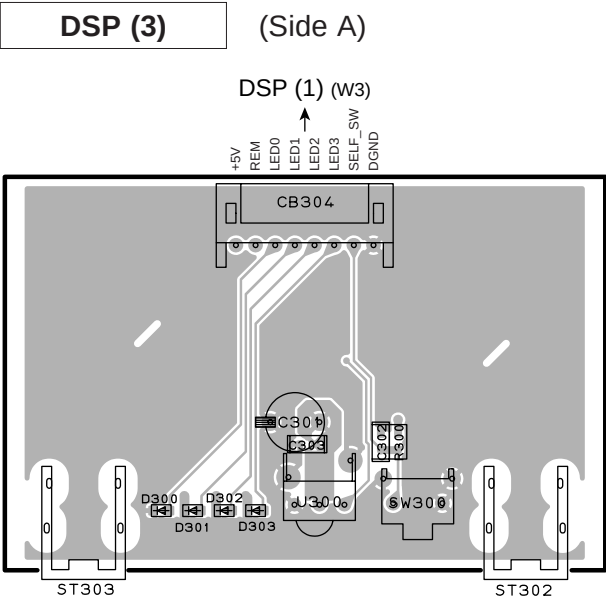
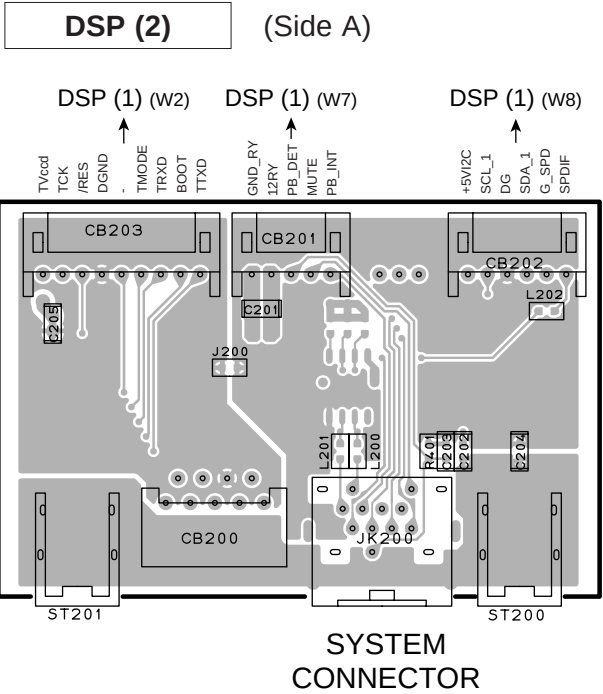


DVX-1000

NX-SW1000

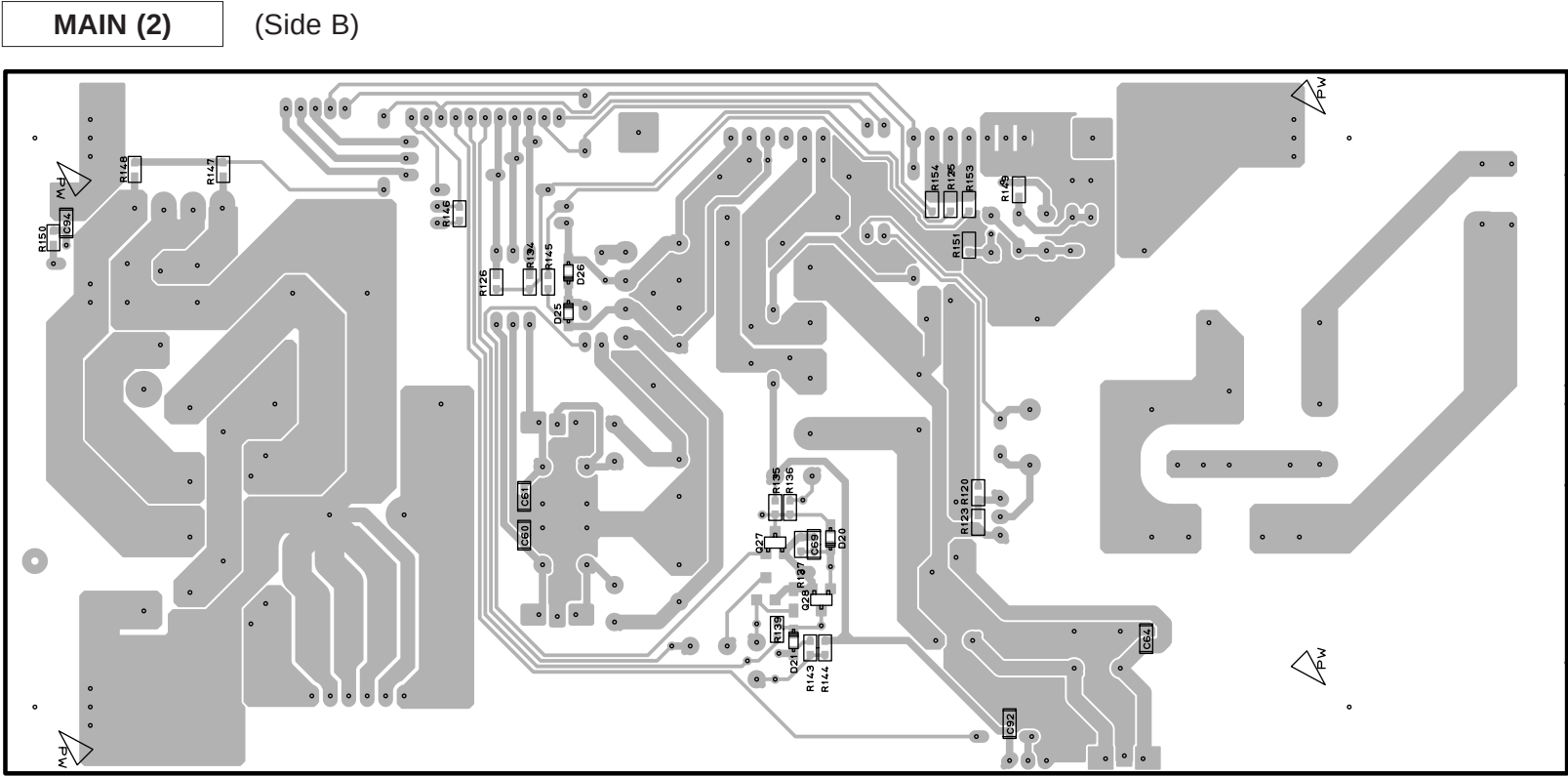
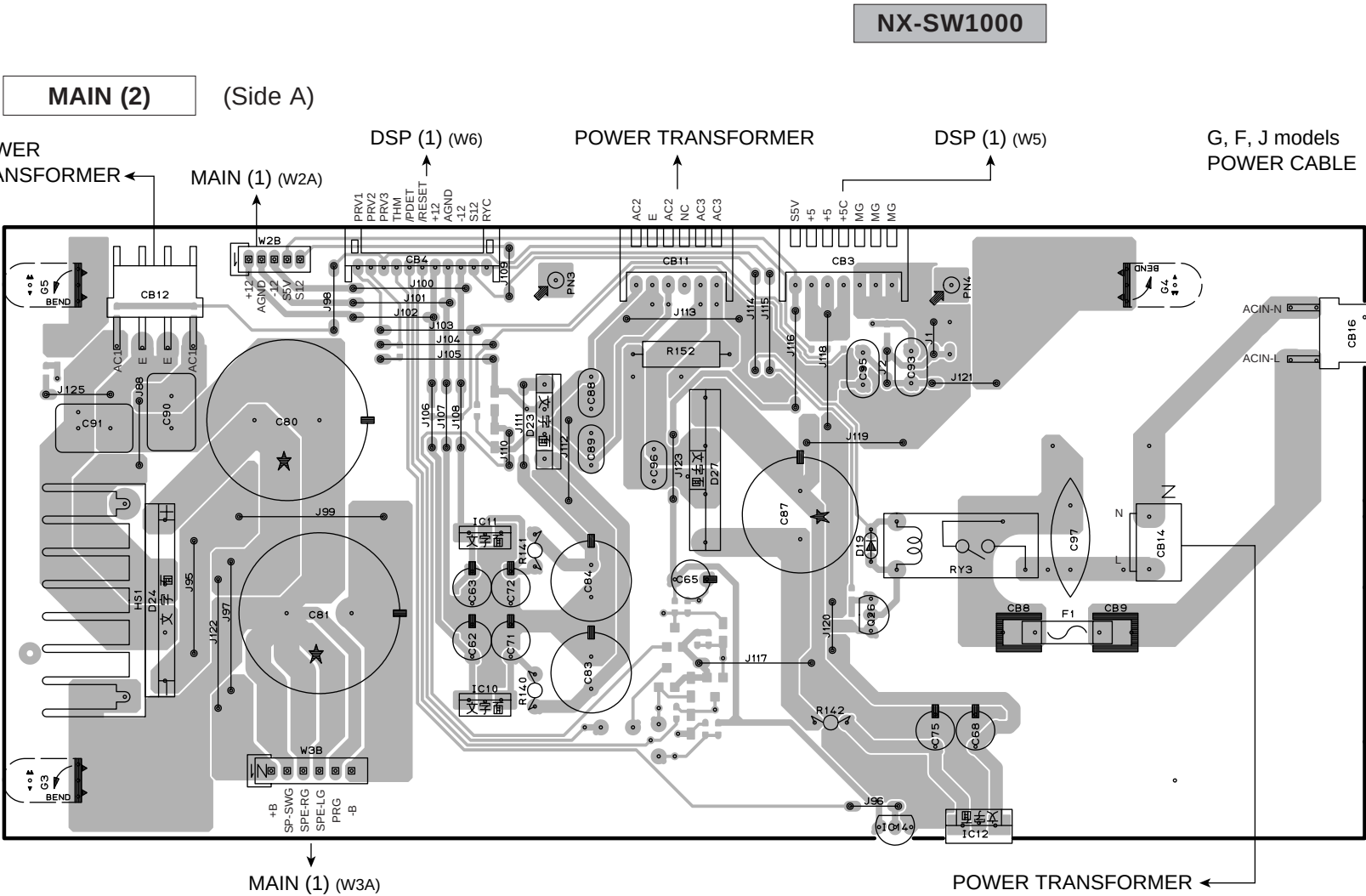
● Semiconductor Location

Ref. No.	Location
D301	B6
D302	B6
D303	B6
D304	B6



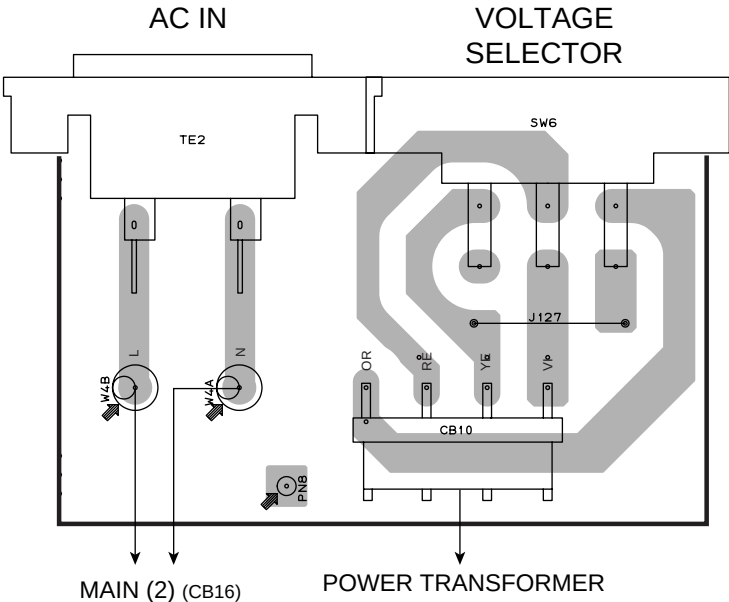
● Semiconductor Location

Ref. No.	Location
D19	C4
D20	E4
D21	E4
D23	B3
D24	C2
D25	E3
D26	D3
D27	B4
IC10	C3
IC11	C3
IC12	C5
IC14	C4
Q26	C4
Q27	E4
Q28	E4



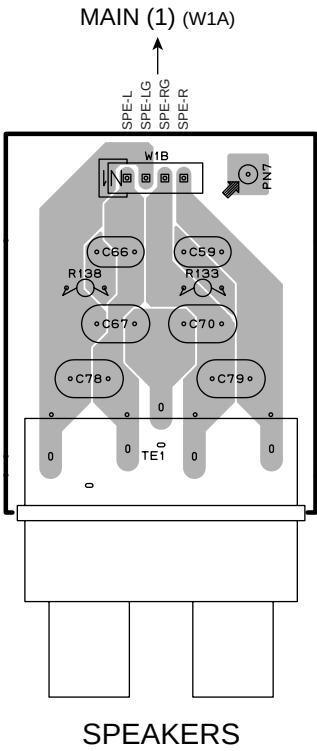
R, K, A, L models

MAIN (3) (Side A)



R, K, A, L models
MAIN (3) (W4A, W4B)

MAIN (4) (Side A)



The first digit of a component indicates the component type.

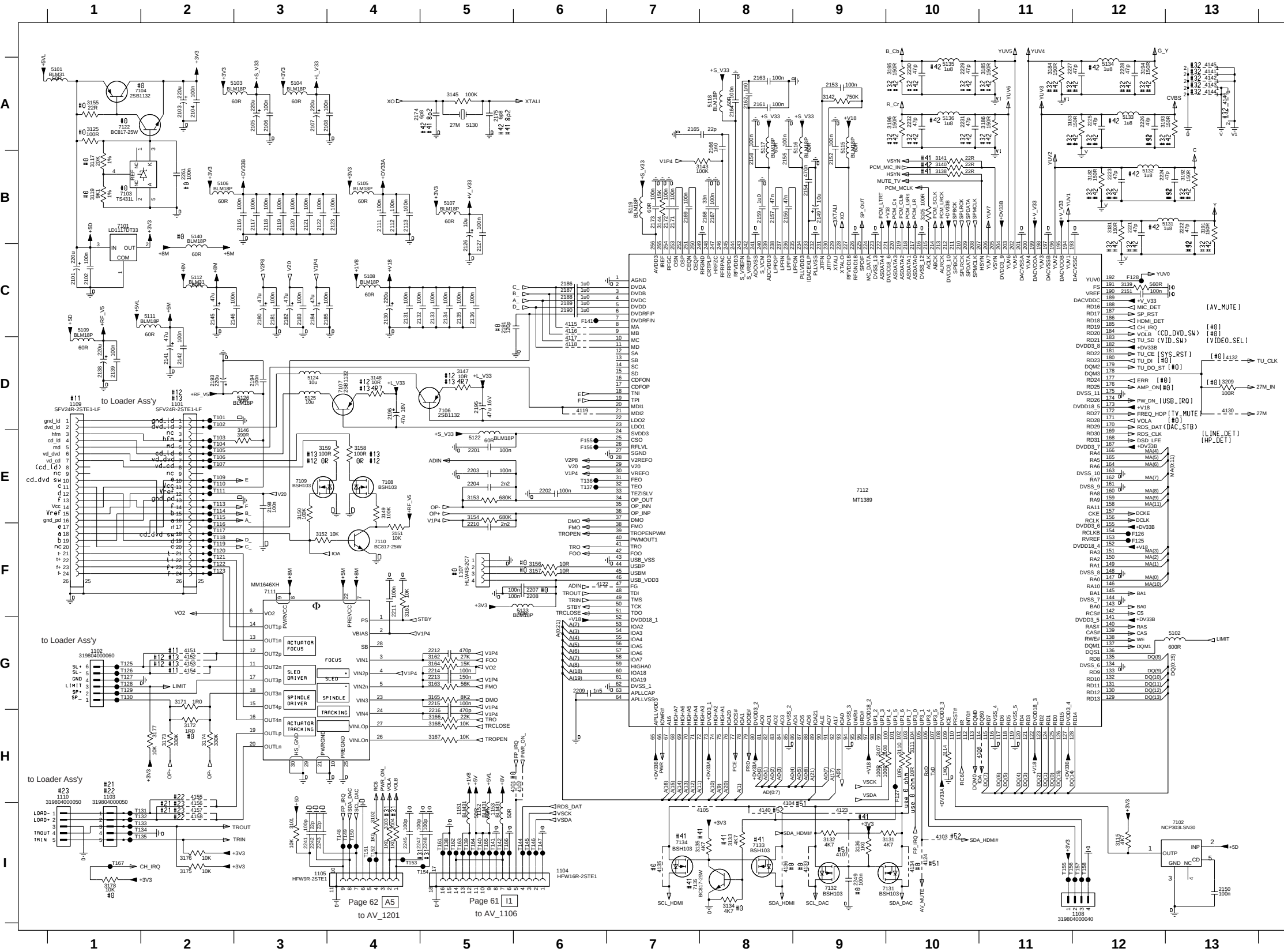
- 1xxx : Connector 3xxx : Resistor 5xxx : Coil 7xxx : IC, Transistor, FET
2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

SCHEMATIC DIAGRAMS

FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

DVR-1000

MONO 1/2



1101 D2	2243 I3	5104 A3
1102 G1	2245 I4	5105 B4
1103 H1	2247 I4	5106 B2
1104 I6	2248 I5	5107 B5
1105 I3	2249 I9	5108 C4
1107 F5	2261 B2	5109 C1
1108 I12	3101 I3	5111 C2
1109 D1	3102 I4	5112 C2
1110 H1	3103 I4	5115 A9
1151 I5	3104 I4	5116 A9
1152 I5	3105 B10	5117 A8
1153 I5	3107 H9	5118 A8
2101 C1	3108 H9	5119 B7
2102 C1	3110 H10	5122 E5
2103 A2	3111 H10	5123 F6
2104 A2	3114 H10	5124 D3
2105 A3	3115 I12	5125 D3
2106 A3	3117 B1	5126 D3
2107 A3	3119 B1	5130 A5
2108 A4	3125 A1	5131 B13
2111 B4	3131 I10	5132 B12
2112 B4	3132 I9	5133 A12
2113 B4	3133 I8	5134 A12
2116 B3	3134 I8	5135 A10
2117 B3	3135 I7	5136 A10
2118 B3	3136 I9	5140 B2
2119 B3	3138 B10	7101 B1
2120 B3	3139 C12	7102 I13
2121 B3	3140 B10	7103 B1
2122 B3	3141 B10	7104 A1
2123 B4	3142 A9	7106 D5
2126 C5	3143 B8	7107 D4
2127 C5	3144 B7	7108 E4
2130 C4	3145 A5	7109 E3
2131 C4	3146 E3	7110 F4
2132 C5	3147 D5	7111 F3
2133 C5	3148 D4	7112 E9
2134 C5	3149 E4	7122 A1
2135 C5	3150 E3	7131 I9
2136 C5	3151 F4	7132 I9
2138 D1	3152 F3	7133 I8
2139 D1	3153 E5	7134 I7
2141 D2	3154 E5	7135 I7
2142 D2	3155 A1	F125 F12
2145 C2	3156 F6	F126 F12
2146 C3	3157 F6	F127 H10
2149 B9	3158 E4	F128 C12
2150 I13	3159 E3	F141 C6
2151 C12	3161 F4	F155 E6
2152 B9	3162 G5	F156 E6
2153 A9	3163 G5	T101 D2
2154 B9	3164 G5	T102 D2
2155 B8	3165 G5	T103 E2
2156 B8	3166 H5	T104 E2
2157 B8	3167 H5	T105 E2
2158 B8	3168 H5	T106 E2
2159 B8	3171 G2	T107 E2
2161 A8	3172 H2	T108 E2
2162 A8	3173 H2	T110 E2
2163 A8	3174 H2	T111 E2
2164 A8	3175 I2	T113 E2
2165 A7	3176 I2	T114 E2
2166 A8	3177 H2	T115 E2
2167 B8	3178 I1	T116 F2
2168 B8	3181 B12	T117 F2
2169 B7	3182 B12	T118 F2
2171 B7	3183 A11	T119 F2
2172 B7	3184 A11	T120 F2
2173 B7	3185 A11	T121 F2
2174 A4	3186 A11	T122 F2
2175 A5	3191 B13	T123 F2
2180 C3	3192 B13	T125 G1
2181 C3	3193 A12	T126 G1
2182 C3	3194 A12	T127 G1
2183 C3	3195 A10	T128 G1
2184 C3	3196 A10	T129 G1
2185 C4	3209 D13	T130 G1
2186 C6	4101 H6	T131 I1
2187 C6	4102 H6	T132 I1
2188 C6	4103 I10	T133 I1
2189 C6	4104 I8	T134 I1
2191 C5	4106 H10	T136 E6
2193 D2	4107 I9	T137 E6
2194 D3	4115 C6	T138 I5
2195 D5	4116 C6	T139 I5
2196 D4	4117 D6	T140 I5
2198 E3	4118 D6	T141 I5
2201 E5	4119 D6	T142 I5
2202 E6	4122 F6	T144 I6
2203 E5	4123 I9	T145 I6
2204 E5	4124 I10	T146 I6
2207 F6	4130 D13	T147 I6
2208 F6	4132 D13	T148 I4
2209 G6	4133 I9	T149 I4
2210 F5	4134 I10	T150 I4
2211 F4	4135 I7	T151 I4
2212 G5	4136 I8	T152 I4
2213 G5	4140 I8	T153 I4
2214 G5	4141 A13	T154 I5
2215 G5	4142 A13	T155 I11
2216 H5	4143 A13	T156 I11
2221 B12	4144 A13	T157 I12
2222 B13	4145 A13	T158 I12
2223 B12	4146 A13	T159 I12
2224 B12	4151 G2	T162 I5
2225 A12	4152 G2	T163 I5
2226 A12	4153 G2	T164 I5
2227 A11	4154 G2	T165 I5
2228 A12	4155 H2	T166 I5
2229 A10	4156 I2	T167 I1
2230 A10	4157 I2	
2231 A10	4158 I2	
2232 A10	5101 A1	
2241 I3	5102 G13	
2242 I3	5103 A3	

#0	PROVISION	#11	DV33	#21	WDX-8136	#31	RECEIVERS	#41	DIGITAL VIDEO	#51	SINGLE I2C	[xxx]	YHTS1000
#12	DV34	#22	WDX-8229	#32	PLAYERS	#42	ANALOG VIDEO	#52	2 I2C LINE				
#13	KHM310	#23	DLM-1D	#24	5CDC								

- * 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.

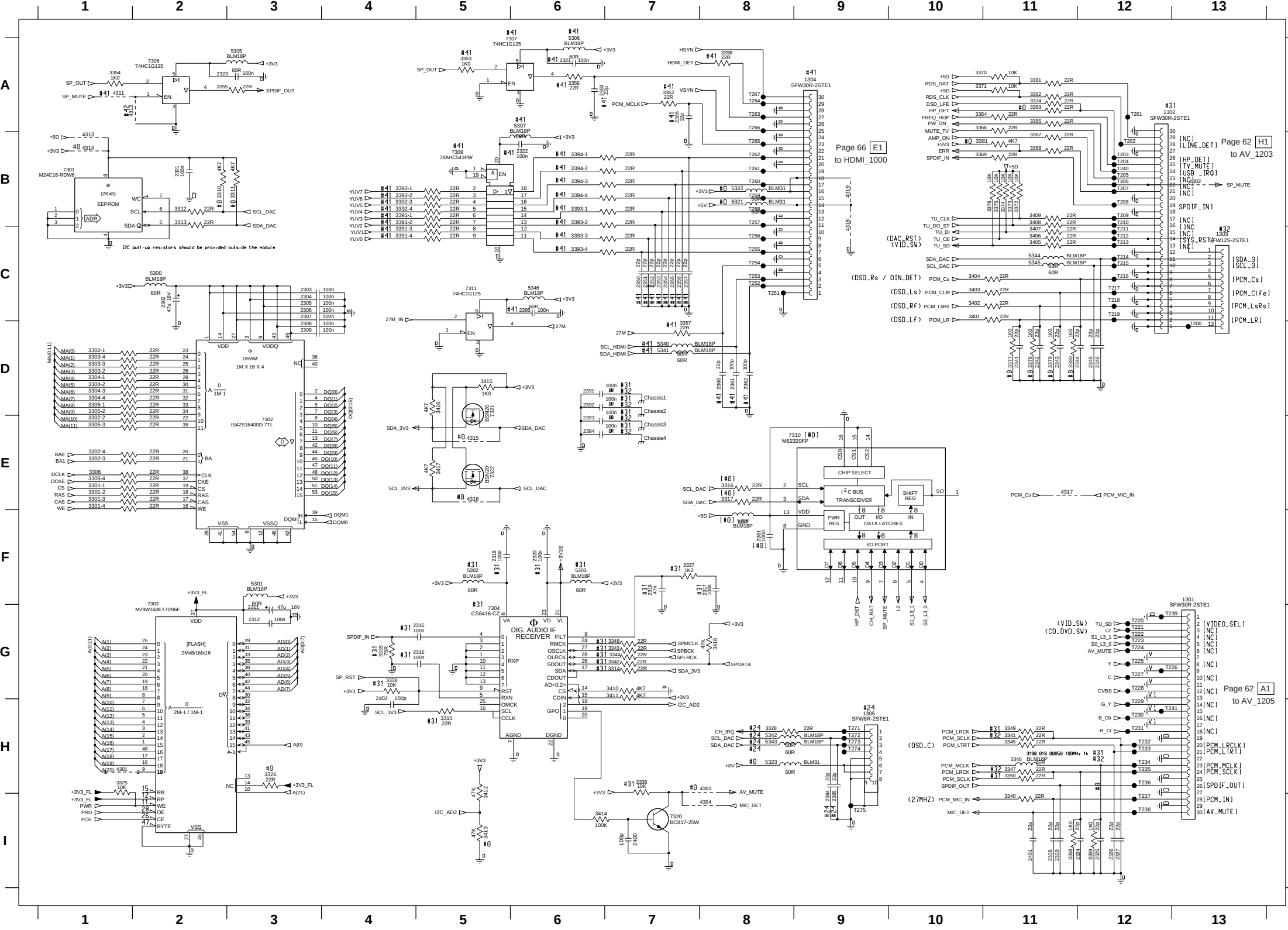
- * Δ 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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MONO 2/2

DVR-1000

The first digit of a component indicates the component type.

- 1xxx : Connector
- 3xxx : Resistor
- 5xxx : Coil
- 7xxx : IC, Transistor, FET
- 2xxx : Capacitor
- 4xxx : SMD jumper
- 6xxx : Diode
- 9xxx : Wire jumper

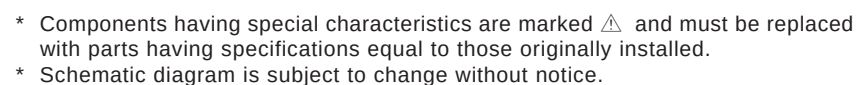


1301 F13	3356 A6	T209 B12
1302 A12	3357 D7	T210 B12
1303 C13	3358 I11	T211 C12
1304 A9	3359 I12	T212 C12
1305 H9	3361 A11	T213 C12
2301 B2	3362 A11	T214 C12
2302 C2	3363 A11	T215 C12
2303 C3	3364 A10	T216 C12
2304 C3	3365 A11	T217 C12
2305 C3	3366 A10	T218 C12
2306 C3	3367 B11	T219 C12
2307 C3	3368 B11	T220 G12
2308 D3	3369 B10	T221 G12
2309 D3	3370 A10	T222 G12
2311 G3	3371 A10	T223 G12
2312 G3	3372 B11	T224 G12
2315 G5	3373 B11	T225 G12
2316 G5	3374 B11	T226 G12
2317 F8	3375 B11	T227 G12
2318 F7	3376 B11	T228 G12
2319 F5	3377 D11	T229 H12
2320 F6	3378 D11	T230 H12
2321 A6	3379 D11	T231 H12
2322 B6	3380 D11	T232 H12
2323 A2	3381 B10	T233 H12
2324 I12	3391-1 B4	T234 H12
2325 I12	3391-2 B4	T235 H12
2326 I12	3391-3 C4	T236 H12
2327 I12	3391-4 C4	T237 I12
2328 I11	3392-1 B4	T238 I12
2329 I11	3392-2 B4	T239 G12
2341 D11	3392-3 B4	T240 B12
2342 D11	3392-4 B4	T241 H12
2343 D11	3393-1 B6	T251 C8
2344 D12	3393-2 B6	T252 C8
2345 D12	3393-3 C6	T253 C8
2346 D12	3393-4 C6	T254 C8
2350 C7	3394-1 B6	T255 C8
2351 C7	3394-2 B6	T256 C8
2352 C7	3394-3 B6	T257 B8
2353 C7	3394-4 B6	T258 B8
2354 C7	3398 A8	T259 B8
2355 C7	3401 C10	T260 B8
2356 C7	3402 C10	T261 B8
2357 C7	3403 C10	T262 B8
2360 D8	3404 C10	T263 A8
2361 D8	3405 C11	T264 A8
2362 D8	3406 C11	T265 B8
2363 A6	3407 C11	T266 A8
2364 I9	3408 B11	T267 A8
2365 I9	3409 B11	T271 H9
2366 A7	3410 G7	T272 H9
2381 F8	3411 G7	T273 H9
2391 D6	3412 H5	T274 H9
2392 D6	3413 I5	T275 I9
2393 E6	3414 I6	
2394 E6	3415 D5	
2395 C6	3416 D5	
2400 I7	3417 E5	
2401 I11	3418 G8	
2402 G4	4301 H1	
3301-1 E1	4302 B13	
3301-2 E1	4303 H8	
3301-3 E1	4304 I8	
3301-4 E1	4311 A1	
3302-1 D1	4312 A1	
3302-2 E1	4313 B1	
3302-3 E1	4314 B1	
3302-4 E1	4315 E5	
3303-2 D1	4316 E5	
3303-3 D1	4317 E11	
3303-4 D1	4318 B9	
3304-1 D1	4319 B9	
3304-2 D1	5300 C2	
3304-3 D1	5301 F3	
3304-4 D1	5302 F5	
3305-1 D1	5303 F6	
3305-2 D1	5305 A3	
3305-3 E1	5306 A6	
3305-4 E1	5307 A6	
3306 E1	5308 F8	
3310 B2	5321 B8	
3311 B3	5322 B8	
3312 B2	5323 H8	
3313 B2	5340 D7	
3314 G7	5341 D7	
3315 H5	5342 H8	
3316 E8	5343 H8	
3317 E8	5344 C11	
3324 A11	5345 C11	
3325 H1	5346 C6	
3326 H3	7301 B1	
3328 H3	7302 E3	
3335 G4	7303 G2	
3336 H7	7304 G5	
3337 F7	7306 A2	
3338 G4	7307 A5	
3340 I11	7308 B5	
3341 H11	7310 E8	
3342 G7	7311 C5	
3343 G7	7320 I7	
3344 G7	7321 D5	
3345 H11	7322 E5	
3346 H11	T200 D13	
3347 H11	T201 A12	
3348 G7	T202 B12	
3349 H11	T203 B12	
3350 H11	T204 B12	
3352 A7	T205 B12	
3353 A5	T206 B12	
3354 A1	T207 B12	
3355 A2	T208 B12	

1	#0 PROVISION	11	DV33	21	WXD-8136	31	RECEIVERS	41	DIGITAL VIDEO	[xxx]	YHTS1000
2		12	DV34	22	WXD-8229	32	PLAYERS	42	ANALOG VIDEO		
3		13	KHM310	23	DLM-1D						
				24	5DCD						

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DVR-1000



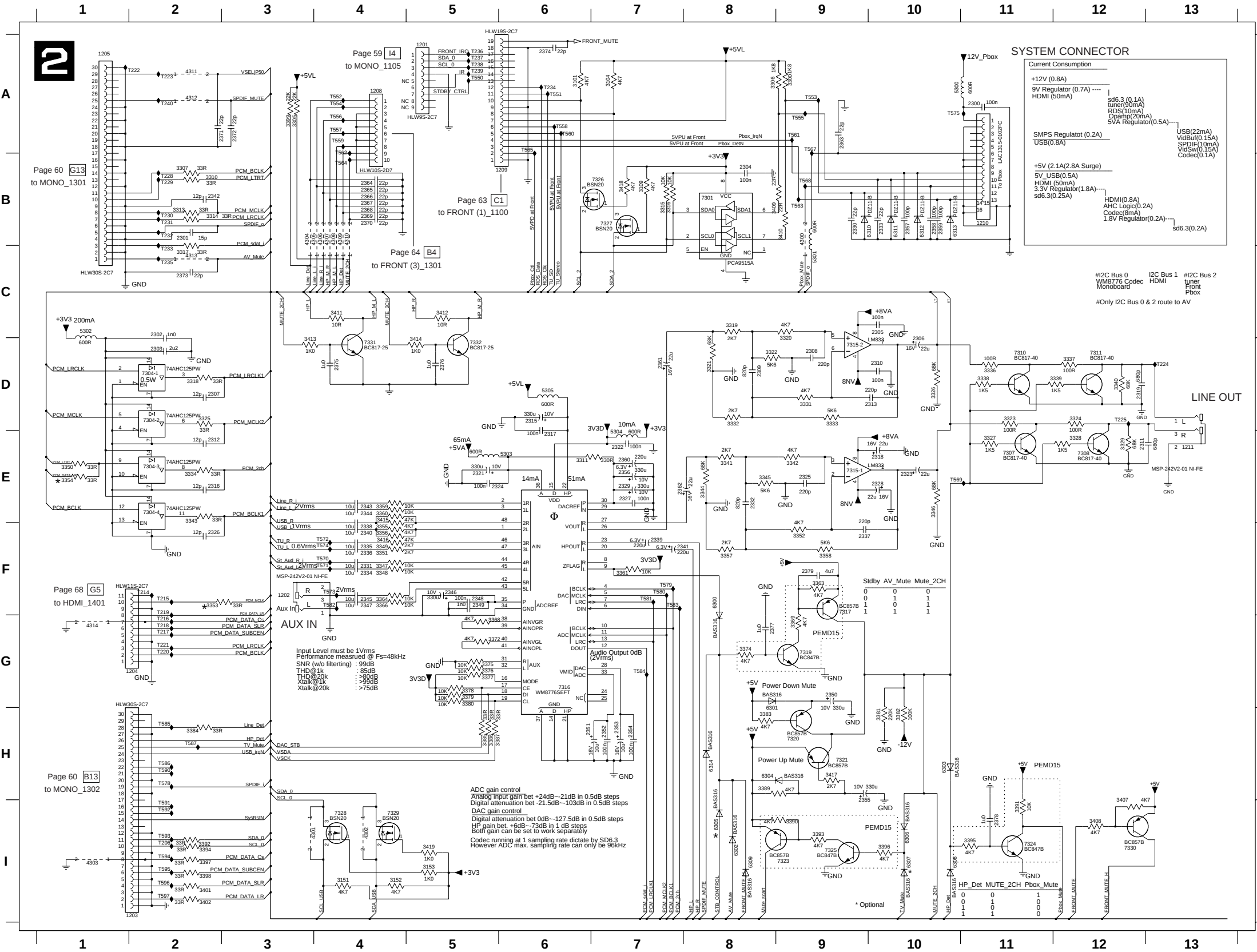
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DVR-1000

The first digit of a component indicates the component type.

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- 2xxx : Capacitor
- 3xxx : Resistor
- 4xxx : SMD jumper
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- 6xxx : Diode
- 7xxx : IC, Transistor, FET
- 9xxx : Wire jumper



1201 A5	3332 D8	7308 E12
1202 F3	3333 D9	7310 D11
1203 I2	3334 E2	7311 D12
1204 G2	3336 D11	7315-1 E9
1205 A1	3337 D12	7315-2 D9
1208 A4	3338 D11	7316 G6
1209 B6	3339 D12	7317 F9
1210 B11	3340 D12	7319 G9
1211 E13	3341 E8	7320 H9
1212 B11	3342 E9	7321 H9
1213 D10	3343 E2	7322 I9
1214 B11	3344 E8	7323 I9
1215 E13	3345 E8	7324 I11
1216 B11	3346 E10	7325 I9
1217 B11	3347 F4	7326 B7
1218 B11	3348 F4	7327 B7
1219 B11	3349 F4	7328 I4
1220 B11	3350 E1	7329 I4
1221 B11	3351 F4	7330 I12
1222 B11	3352 F9	7331 D4
1223 B11	3353 F2	7332 D5
1224 B11	3354 E1	7333 F2
1225 B11	3355 F4	7334 F2
1226 B11	3356 F4	7335 G2
1227 B11	3357 F8	7336 G2
1228 B11	3358 F9	7337 F2
1229 B11	3359 E4	7338 G2
1230 B11	3360 E4	7339 F2
1231 B11	3361 F7	7340 G2
1232 B11	3362 F9	7341 A2
1233 B11	3363 F9	7342 A2
1234 B11	3364 F4	7343 A2
1235 B11	3365 F4	7344 D13
1236 B11	3366 F5	7345 D12
1237 B11	3367 G9	7346 B2
1238 B11	3368 G9	7347 B2
1239 B11	3369 G5	7348 B2
1240 B11	3370 G5	7349 B2
1241 B11	3371 G5	7350 B2
1242 B11	3372 G5	7351 B2
1243 B11	3373 G5	7352 B2
1244 B11	3374 G5	7353 B2
1245 B11	3375 G5	7354 B2
1246 B11	3376 G5	7355 A9
1247 B11	3377 G5	7356 A9
1248 B11	3378 G5	7357 A9
1249 B11	3379 G5	7358 A9
1250 B11	3380 G5	7359 A9
1251 B11	3381 H10	7360 A9
1252 B11	3382 H10	7361 A9
1253 B11	3383 H8	7362 A9
1254 B11	3384 H2	7363 A9
1255 B11	3385 H5	7364 A9
1256 B11	3386 H5	7365 A9
1257 B11	3387 H6	7366 A9
1258 B11	3388 H8	7367 A9
1259 B11	3389 H8	7368 A9
1260 B11	3390 I9	7369 A9
1261 B11	3391 I11	7370 A9
1262 B11	3392 I2	7371 A9
1263 B11	3393 I9	7372 A9
1264 B11	3394 I2	7373 A9
1265 B11	3395 I11	7374 A9
1266 B11	3396 I10	7375 A9
1267 B11	3397 I2	7376 A9
1268 B11	3398 I2	7377 A9
1269 B11	3399 A3	7378 B9
1270 B11	3400 I2	7379 B4
1271 B11	3401 I2	7380 B4
1272 B11	3402 I2	7381 B4
1273 B11	3403 I2	7382 B4
1274 B11	3404 I2	7383 B4
1275 B11	3405 B4	7384 B4
1276 B11	3406 B4	7385 B4
1277 B11	3407 B4	7386 B4
1278 B11	3408 B4	7387 B4
1279 B11	3409 B4	7388 B4
1280 B11	3410 B9	7389 B4
1281 B11	3411 C4	7390 B4
1282 B11	3412 C5	7391 B4
1283 B11	3413 D3	7392 B4
1284 B11	3414 D5	7393 B4
1285 B11	3415 E4	7394 B4
1286 B11	3416 F4	7395 B4
1287 B11	3417 H9	7396 B4
1288 B11	3418 B7	7397 B4
1289 B11	3419 I5	7398 B4
1290 B11	3420 B9	7399 B4
1291 B11	3421 I3	7400 B4
1292 B11	3422 I4	7401 B4
1293 B11	3423 I4	7402 B4
1294 B11	3424 I4	7403 B4
1295 B11	3425 I4	7404 B4
1296 B11	3426 I4	7405 B4
1297 B11	3427 I4	7406 B4
1298 B11	3428 I4	7407 B4
1299 B11	3429 I4	7408 B4
1300 B11	3430 B4	7409 B4
1301 B11	3431 B4	7410 B4
1302 B11	3432 B4	7411 B4
1303 B11	3433 B4	7412 B4
1304 B11	3434 B4	7413 B4
1305 B11	3435 B4	7414 B4
1306 B11	3436 B4	7415 B4
1307 B11	3437 B4	7416 B4
1308 B11	3438 B4	7417 B4
1309 B11	3439 B4	7418 B4
1310 B11	3440 B4	7419 B4
1311 B11	3441 B4	7420 B4
1312 B11	3442 B4	7421 B4
1313 B11	3443 B4	7422 B4
1314 B11	3444 B4	7423 B4
1315 B11	3445 B4	7424 B4
1316 B11	3446 B4	7425 B4
1317 B11	3447 B4	7426 B4
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1320 B11	3450 B4	7429 B4
1321 B11	3451 B4	7430 B4
1322 B11	3452 B4	7431 B4
1323 B11	3453 B4	7432 B4
1324 B11	3454 B4	7433 B4
1325 B11	3455 B4	7434 B4
1326 B11	3456 B4	7435 B4
1327 B11	3457 B4	7436 B4
1328 B11	3458 B4	7437 B4
1329 B11	3459 B4	7438 B4
1330 B11	3460 B4	7439 B4
1331 B11	3461 B4	7440 B4

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* Schematic diagram is subject to change without notice.

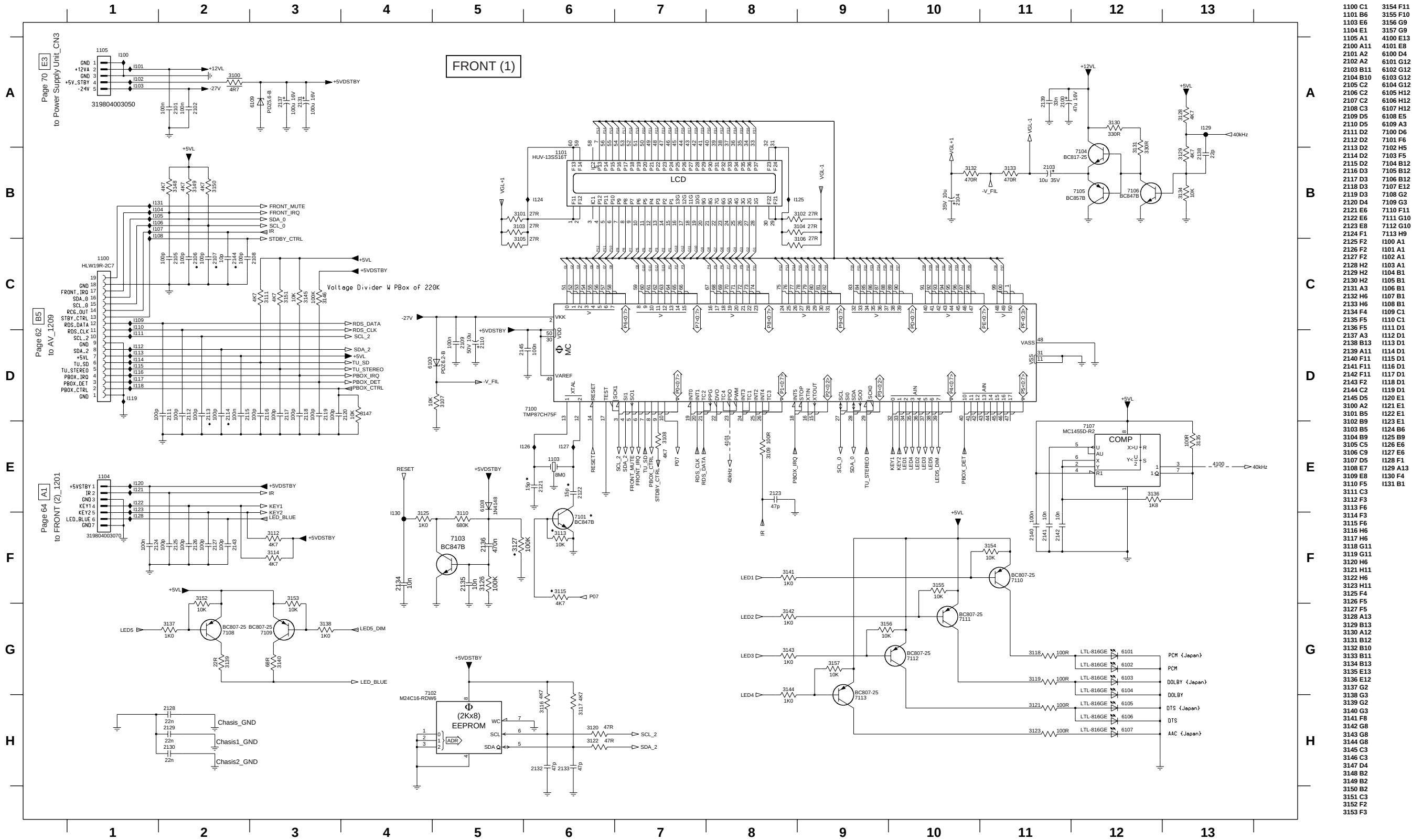
* $\triangle$ 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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- 6xxx : Diode
- 9xxx : Wire jumper

FRONT 1/2

DVR-1000



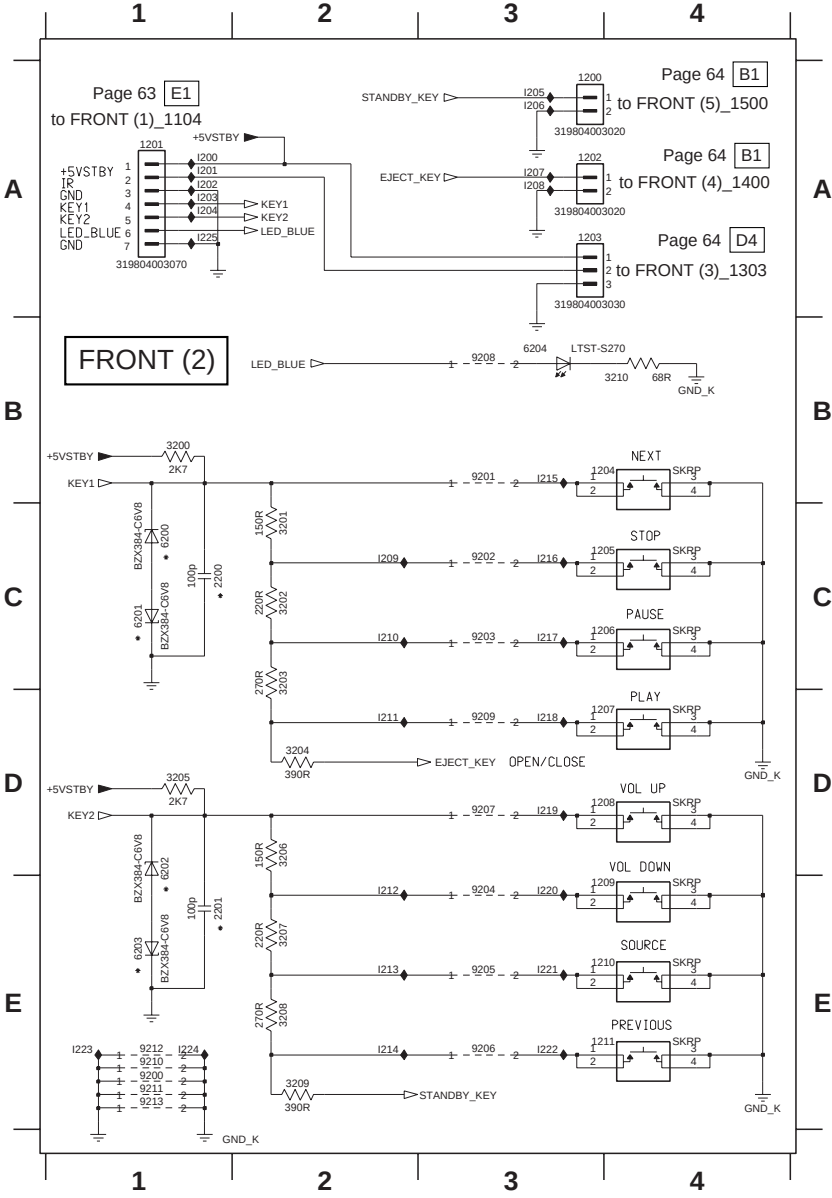
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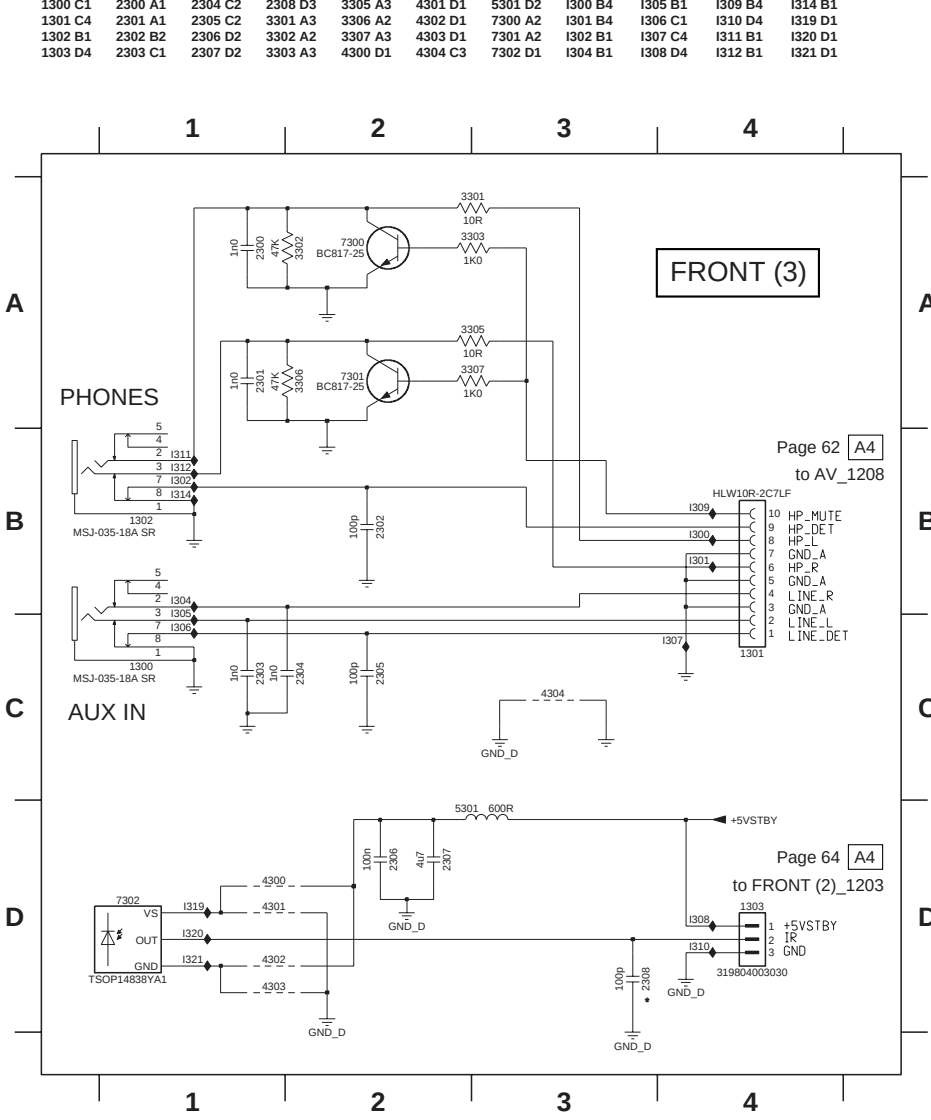
FRONT 2/2



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DVR-1000

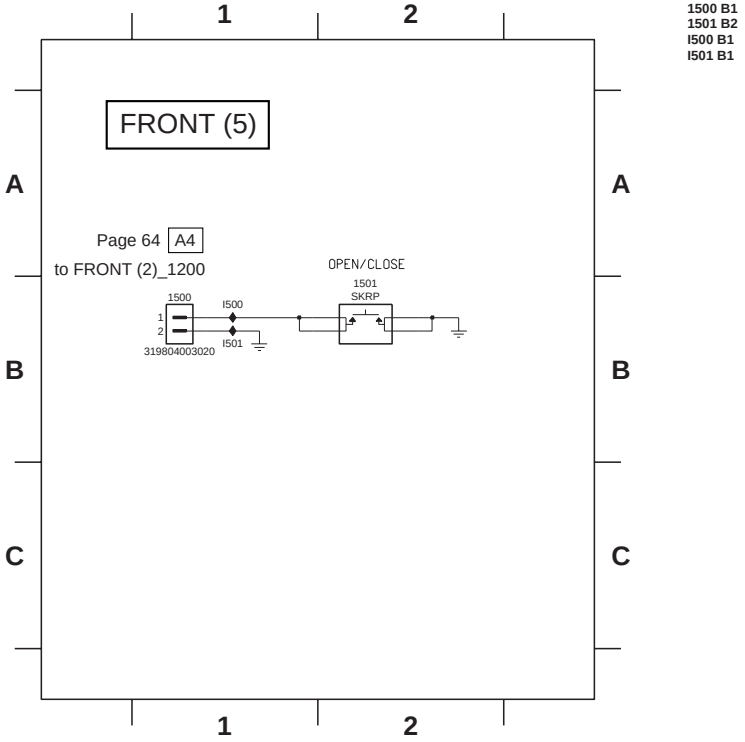
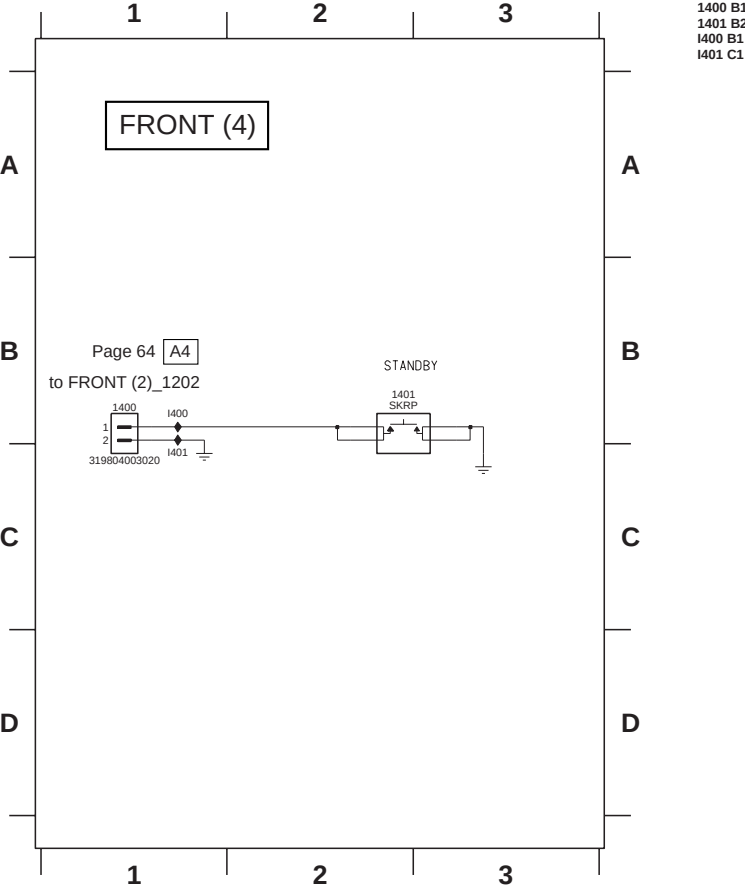
- 1200 A3
- 1201 A1
- 1202 A3
- 1203 A3
- 1204 B3
- 1205 C3
- 1206 C3
- 1207 D3
- 1208 D3
- 1209 E3
- 1210 E3
- 1211 E3
- 2200 C1
- 2201 E1
- 3200 B1
- 3201 C2
- 3202 C2
- 3203 C2
- 3204 D2
- 3205 D1
- 3206 D2
- 3207 E2
- 3208 E2
- 3209 E2
- 3210 B4
- 6200 C1
- 6201 C1
- 6202 D1
- 6203 E1
- 6204 B3
- 9200 E1
- 9201 B3
- 9202 C3
- 9203 C3
- 9204 E3
- 9205 E3
- 9206 E3
- 9207 D3
- 9208 B3
- 9209 D3
- 9210 E1
- 9211 E1
- 9212 E1
- 9213 E1
- 1200 A1
- 1201 A1
- 1202 A1
- 1203 A1
- 1204 A1
- 1205 A3
- 1206 A3
- 1207 A3
- 1208 A3
- 1209 C2
- 1210 C2
- 1211 D2
- 1212 E2
- 1213 E2
- 1214 E2
- 1215 B3
- 1216 C3
- 1217 C3
- 1218 D3
- 1219 D3
- 1220 E3
- 1221 E3
- 1222 E3
- 1223 E1
- 1224 E1
- 1225 A1



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- 6xxx : Diode
- 7xxx : IC, Transistor, FET
- 9xxx : Wire jumper

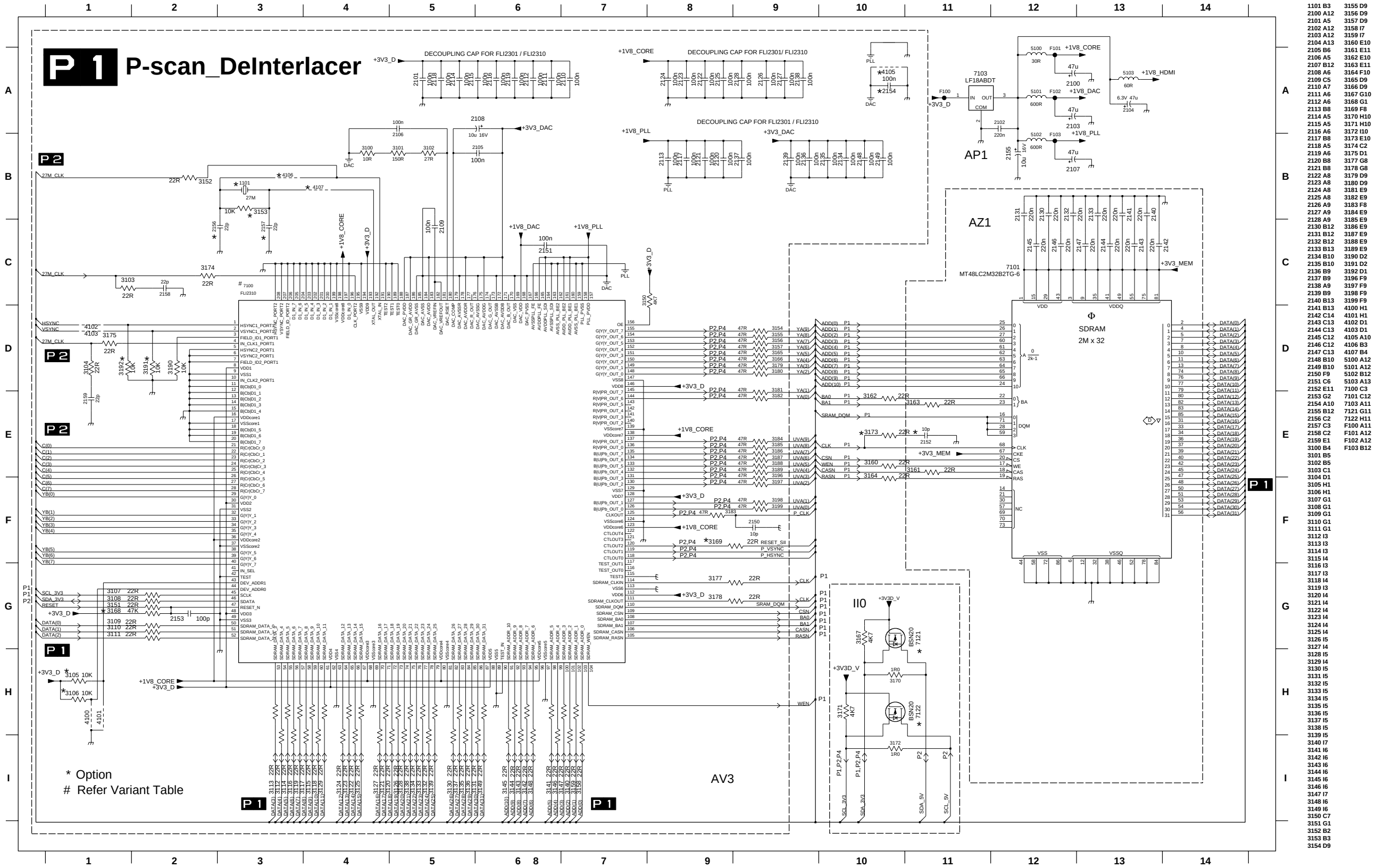


The first digit of a component indicates the component type.

1xxx : Connector 3xxx : Resistor 5xxx : Coil 7xxx : IC, Transistor, FET
2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

HDMI 1/4

DVR-1000



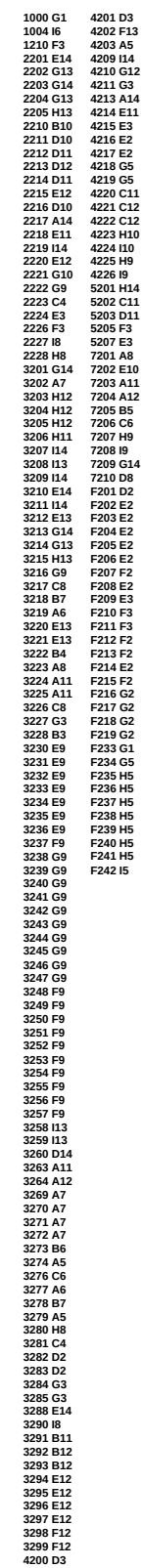
Variant	Ref Des	Value
Dv6001	FLI2310	FLI2310
	FLI2310	FLI2310

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7xxx : IC, Transistor, FET

9xxx : Wire jumper



Variant \ Ref Des	1210	7202	3203 3205	3204 3206
DV6001	F 1A	ADV7320	2K7	330R
	1206 0R	ADV7320	2K7	330R

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- * Schematic diagram is subject to change without notice.

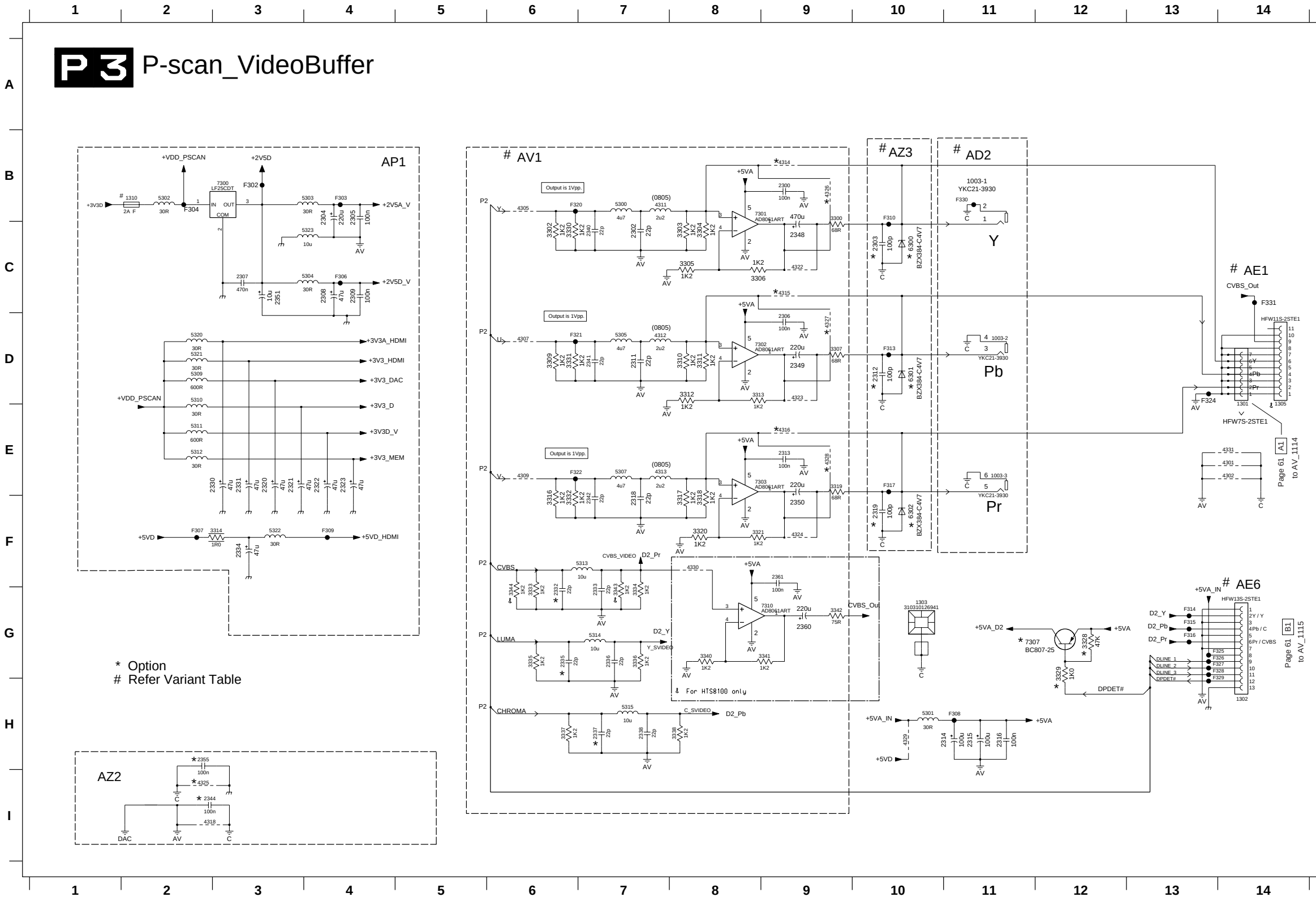
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2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

HDMI 3/4

DVR-1000



Ref Des	1003	1301	1302	1310	2302	2311	2340	2341	3302	3309	3330	3331	3303	3310	3304	3311	5300	5305	4311	4312	2348	2349	4322	4323
Variant	NOT USED	USED	USED	F 2A	22p	22p	22p	22p	150R	1K2	1K2	1K2	1K2	1K2	4u7	2u2	USED	NOT USED	USED	NOT USED	USED	NOT USED	NOT USED	NOT USED
DV6001	USED	NOT USED	JAPAN VER	1206 0R	22p	22p	22p	22p	1K2	1K2	1K2	1K2	1K2	1K2	4u7	2u2	USED	NOT USED	USED	NOT USED	USED	NOT USED	NOT USED	NOT USED

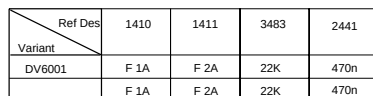
- 1003-1 B11
- 1003-2 D11
- 1003-3 E11
- 1301 D14
- 1302 H14
- 1303 G10
- 1305 D14
- 1310 B2
- 2300 B9
- 2302 C7
- 2303 C10
- 2304 B4
- 2305 B4
- 2306 D9
- 2307 C3
- 2308 C4
- 2309 C4
- 2311 D7
- 2312 D10
- 2313 E9
- 2314 H11
- 2315 H11
- 2316 H11
- 2318 F7
- 2319 F10
- 2320 E3
- 2321 E3
- 2322 E4
- 2323 E4
- 2330 E3
- 2331 E3
- 2332 G6
- 2333 G7
- 2334 F3
- 2335 G6
- 2336 G7
- 2337 H7
- 2338 H7
- 2340 C7
- 2341 D7
- 2342 F7
- 2344 I2
- 2348 C9
- 2349 D9
- 2350 F9
- 2351 C3
- 2355 H2
- 2360 G9
- 2361 F9
- 3000 B9
- 3002 C6
- 3003 C8
- 3004 C8
- 3005 C8
- 3006 C8
- 3007 D9
- 3009 D6
- 3010 D8
- 3011 D8
- 3012 D8
- 3013 D8
- 3014 F3
- 3016 F6
- 3017 F8
- 3018 F8
- 3019 E9
- 3020 F8
- 3021 F8
- 3028 G12
- 3029 G12
- 3030 C6
- 3031 D6
- 3032 F6
- 3033 G6
- 3034 G7
- 3035 G6
- 3036 G7
- 3037 H6
- 3038 H8
- 3040 G8
- 3041 G9
- 3042 G9
- 3043 G7
- 3044 G6
- 4301 E14
- 4302 E14
- 4305 B6
- 4307 D6
- 4309 E6
- 4311 B7
- 4312 D7
- 4313 E7
- 4314 B9
- 4315 C9
- 4316 E9
- 4318 I2
- 4322 C9
- 4323 D9
- 4324 F9
- 4325 I2
- 4326 B9
- 4327 D9
- 4328 E9
- 4329 H10
- 4330 F9
- 4331 E14
- 5300 B7
- 5301 H10
- 5302 B2
- 5303 B4
- 5304 C4
- 5305 D7
- 5307 E7
- 5309 D2
- 5310 D2
- 5311 E2
- 5312 E2
- 5313 F7
- 5314 G7
- 5315 H7
- 5320 D2
- 5321 D2
- 5322 F3
- 5323 C4
- 6300 C10
- 6301 D10
- 6302 F10
- 7300 B3
- 7301 B8
- 7302 D8
- 7303 E8
- 7307 G11
- 7310 G9
- F302 B3
- F303 B4
- F304 B2
- F306 C4
- F307 F2
- F308 H11
- F309 F4
- F310 B10
- F313 D10
- F314 G13
- F315 G13
- F316 G13
- F317 E10
- F320 B6
- F321 D6
- F322 E6
- F324 D13
- F325 G14
- F326 G14
- F327 G14
- F328 G14
- F329 G14
- F330 B11
- F331 C14

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HDMI 4/4

DVR-1000

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2xxx : Capacitor	4xxx : SMD jumper	6xxx : Diode	9xxx : Wire jumper



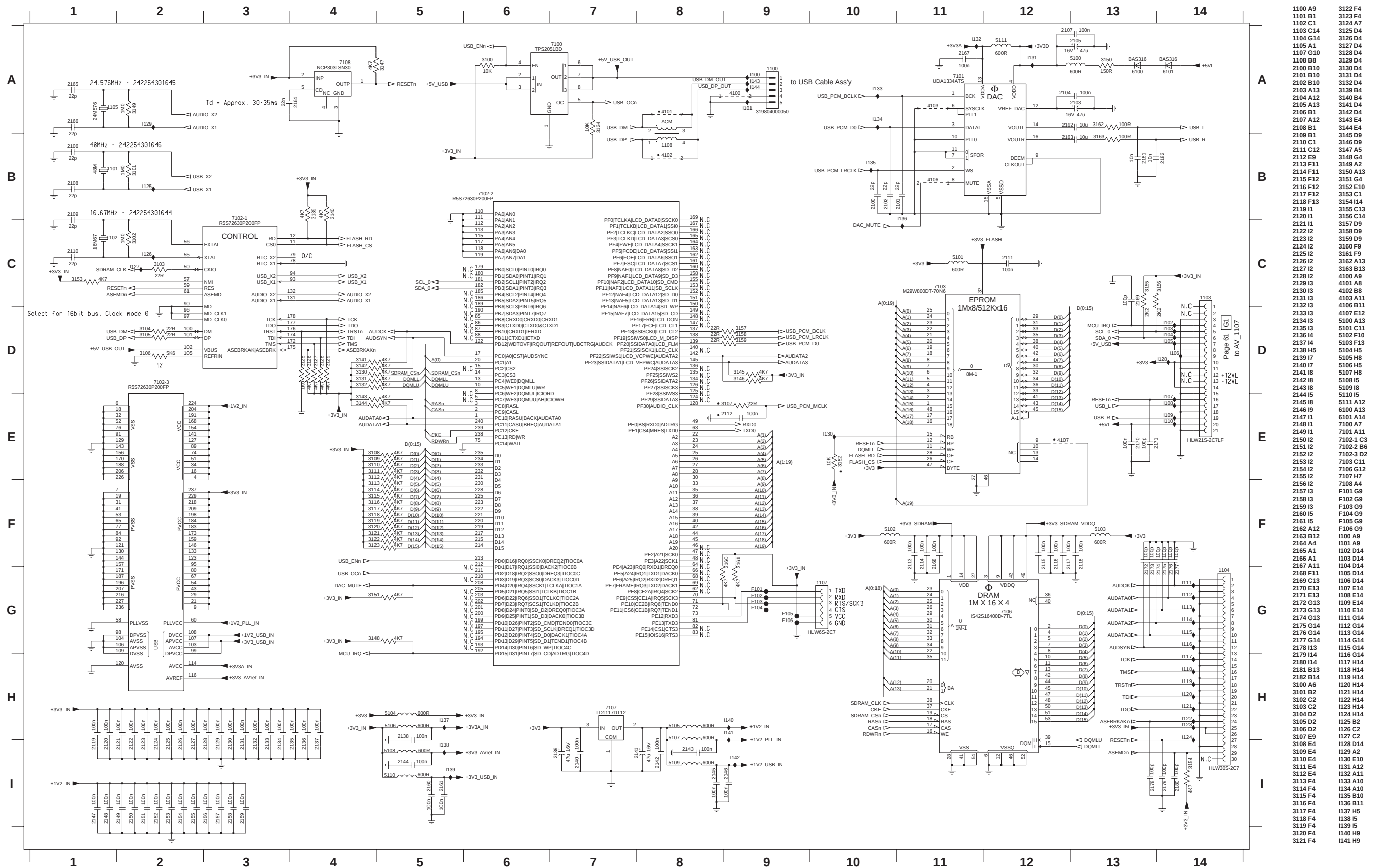
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USB

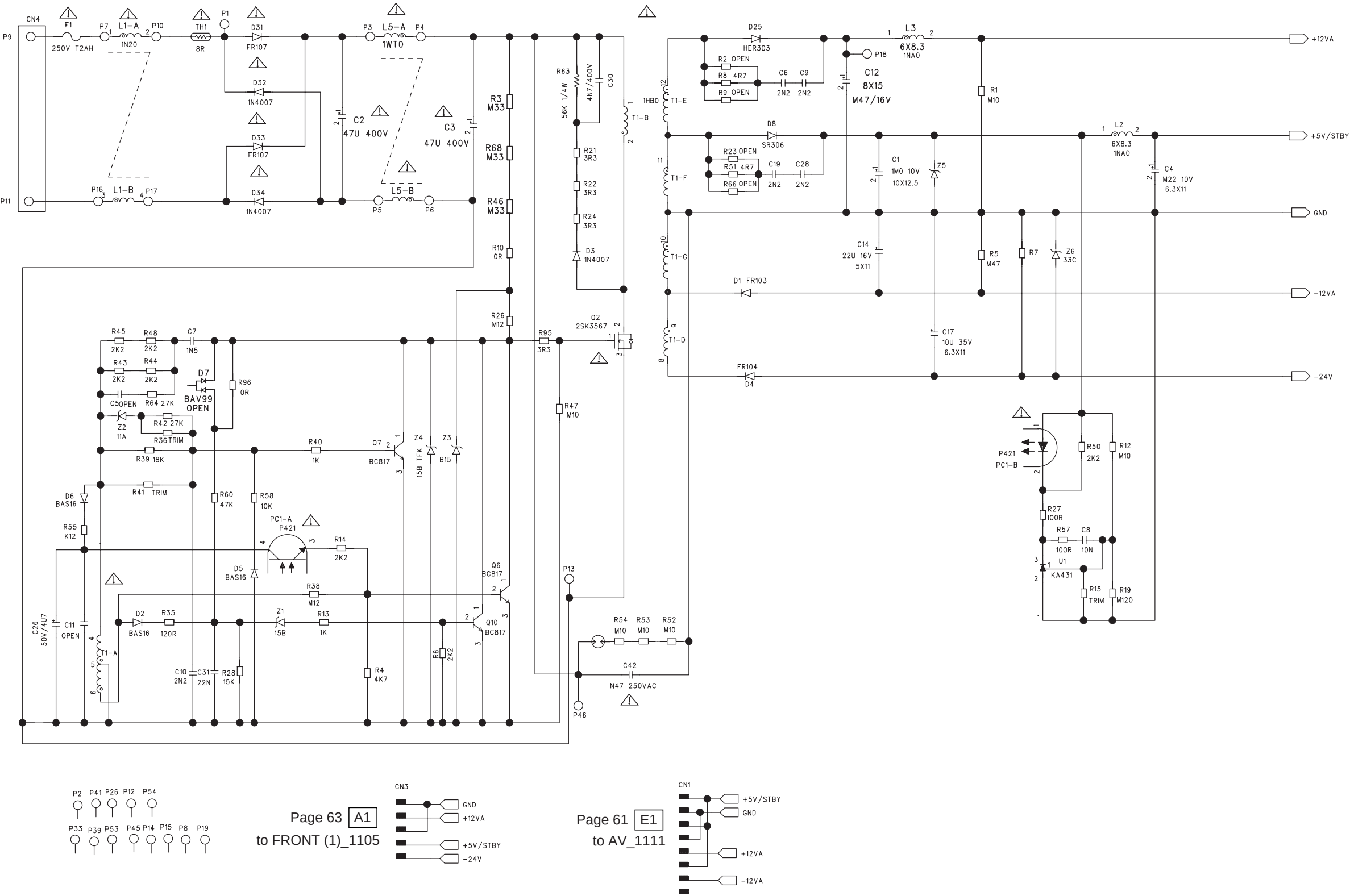


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POWER SUPPLY UNIT

DVR-1000



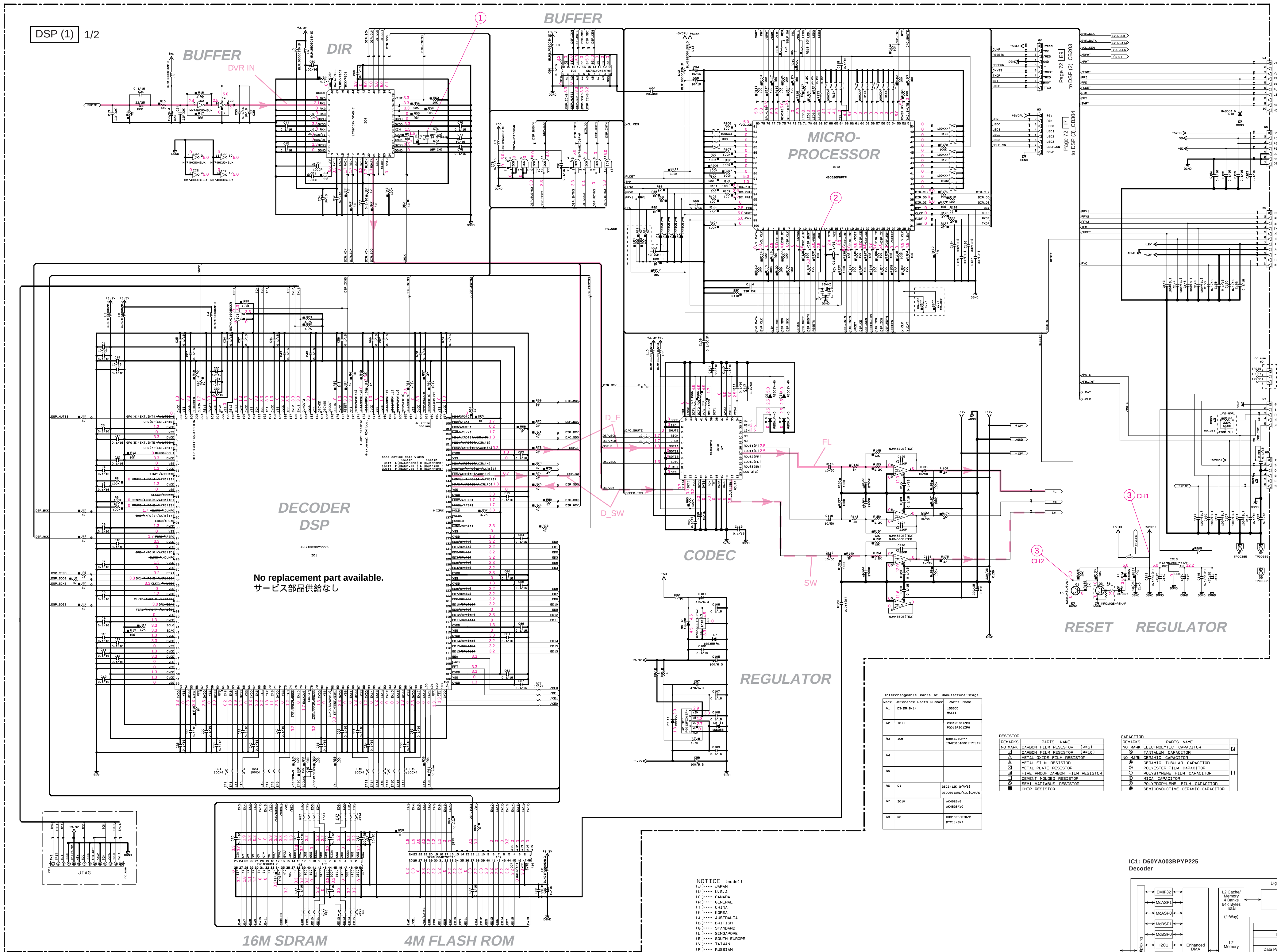
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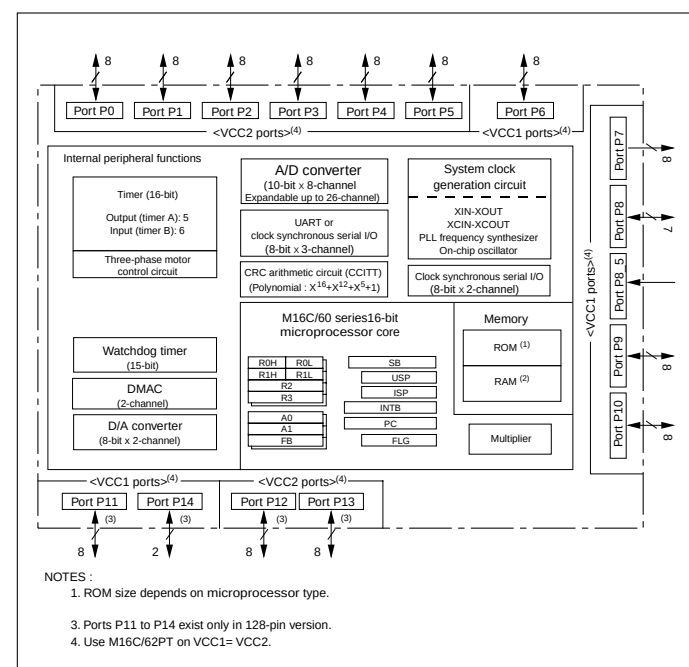
■ SCHEMATIC DIAGRAMS DSP 1/2

NX-SW1000

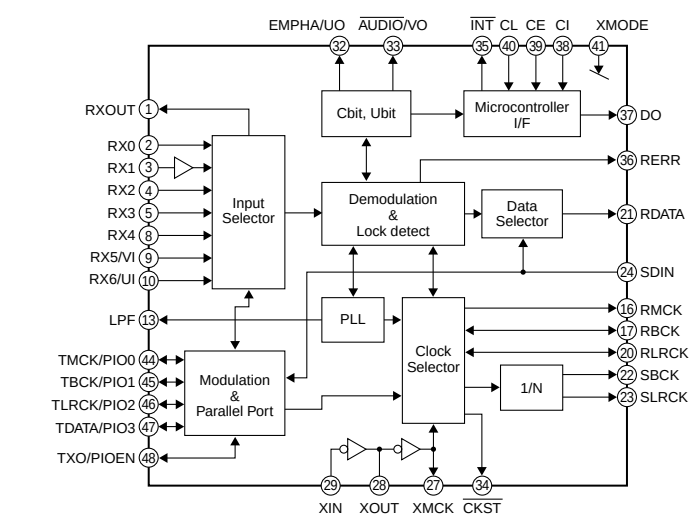
DVX-1000



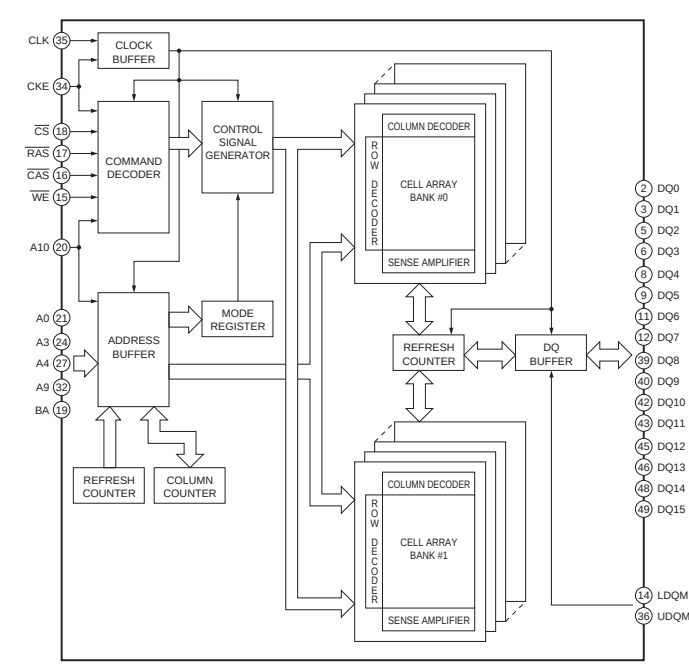
IC13: M30626FHPFP
Single-chip 16-bit CMOS microprocessor



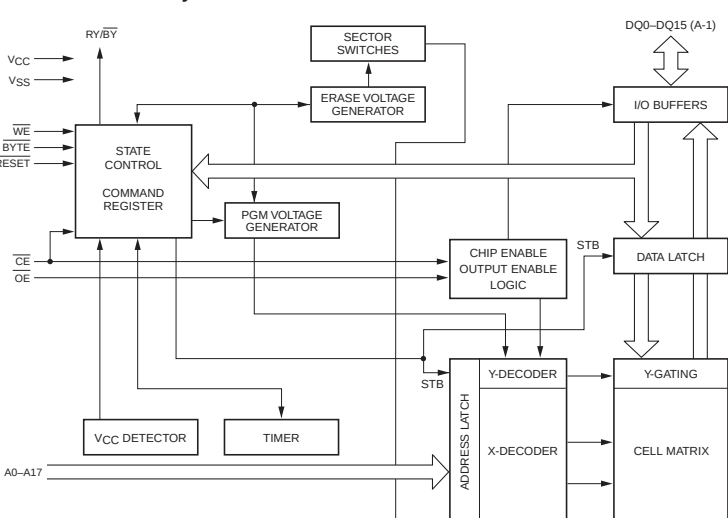
IC4: LC89057W-VF4AD-E
Digital audio interface transceiver



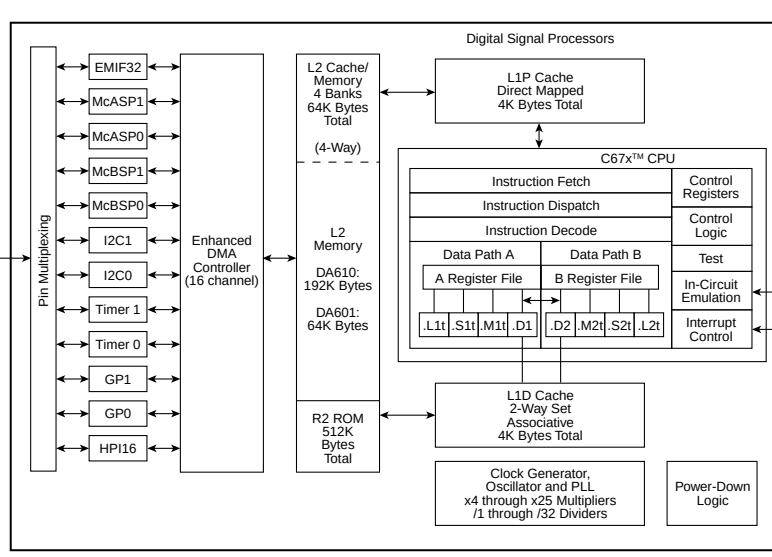
IC5: W916G6CH-7
512K x 2 banks x 16 bits SDRAM



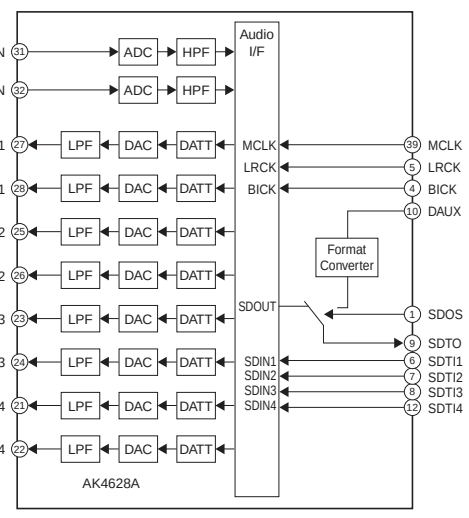
IC7: S29AL004D70TF020
4M bit flash memory



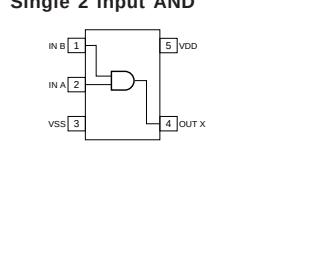
IC1: D60YA003BPYP225
Decoder



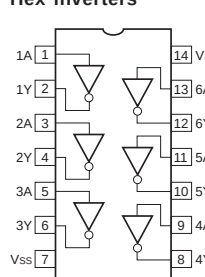
IC10: AK4628VQ
192 kHz 24-bit 8-channel CODEC



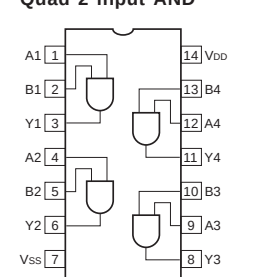
IC3: SN74AHC1G08DCKR
Single 2 input AND



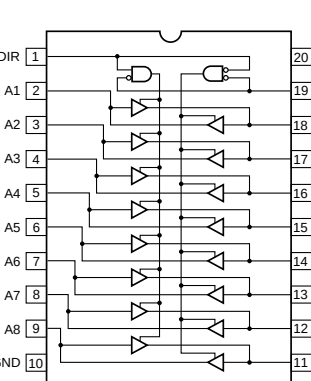
IC2: MM74HC04SJX
Hex inverters



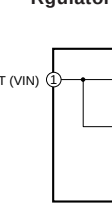
IC6, 9: SN74AHC08PWR
Quad 2 input AND



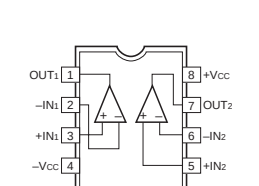
IC8: SN74LV245APWR
Octal 3-state bus transceivers



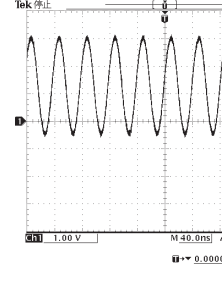
IC11: PQ012F201ZPH
Regulator



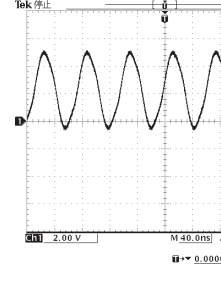
IC14, 15: NJM4580E
Dual operational amplifier



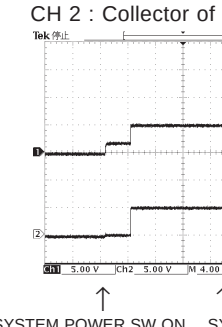
Point ① Pin 29 of IC4



Point ② Pin 13 of IC13

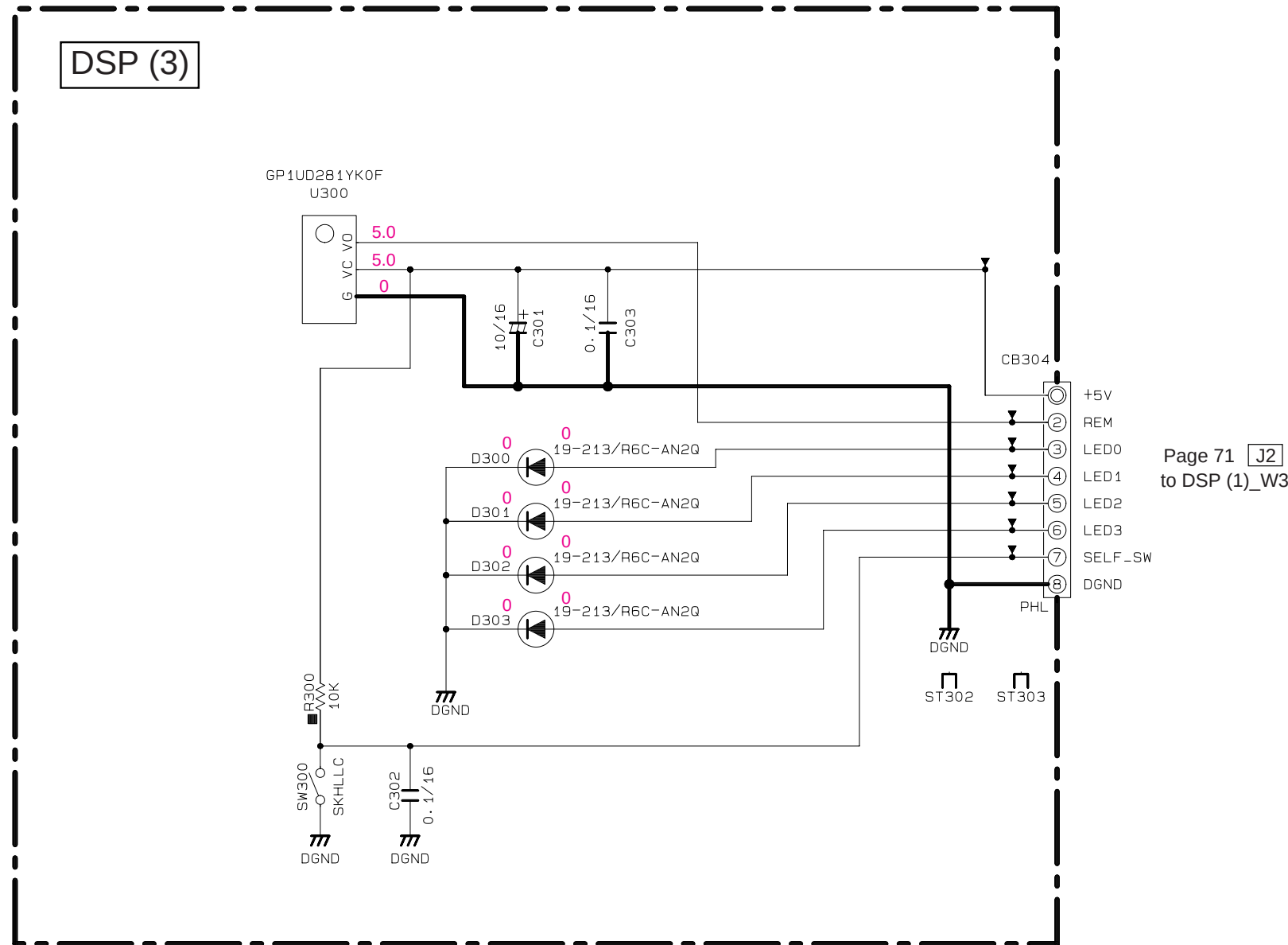
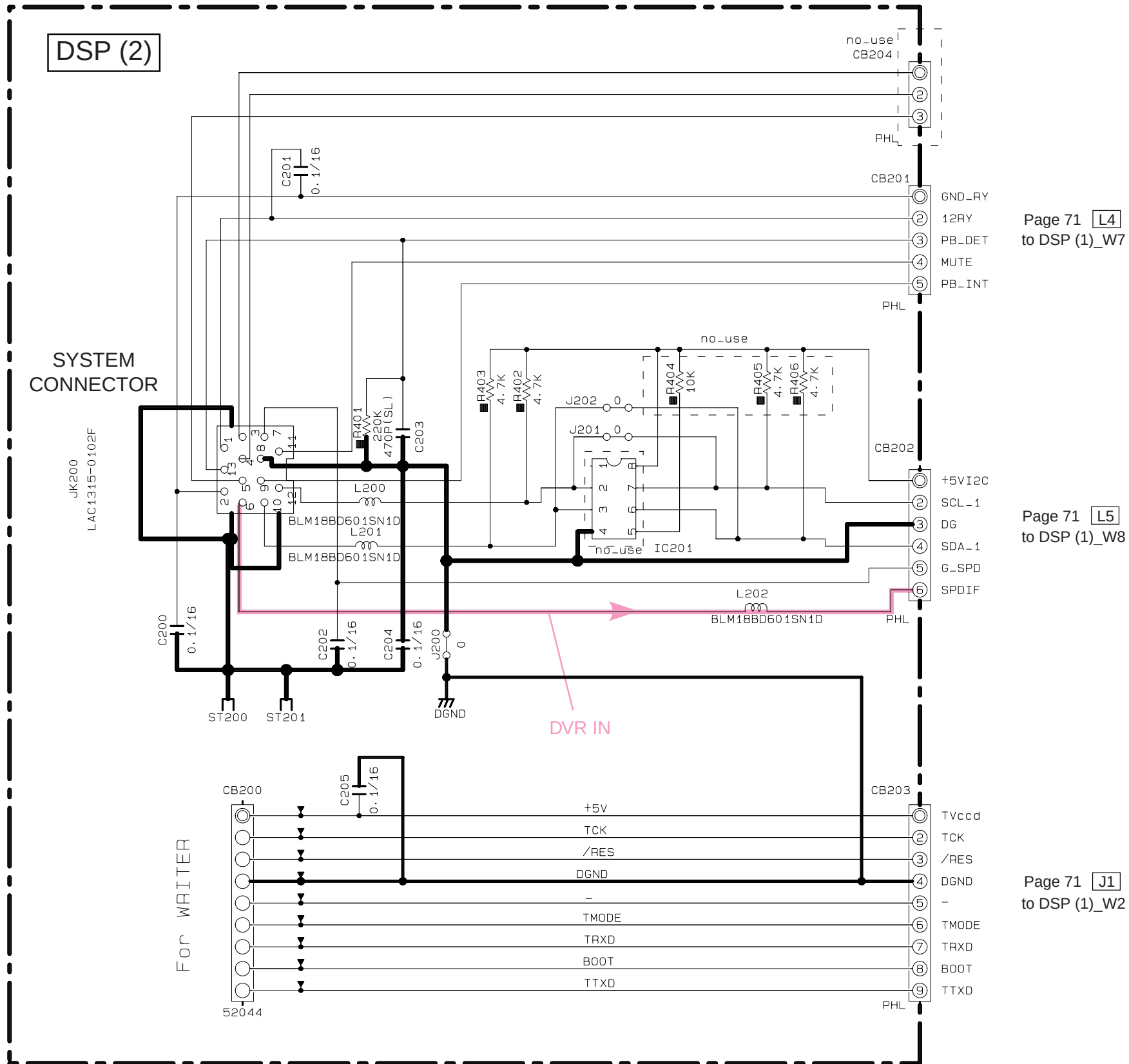
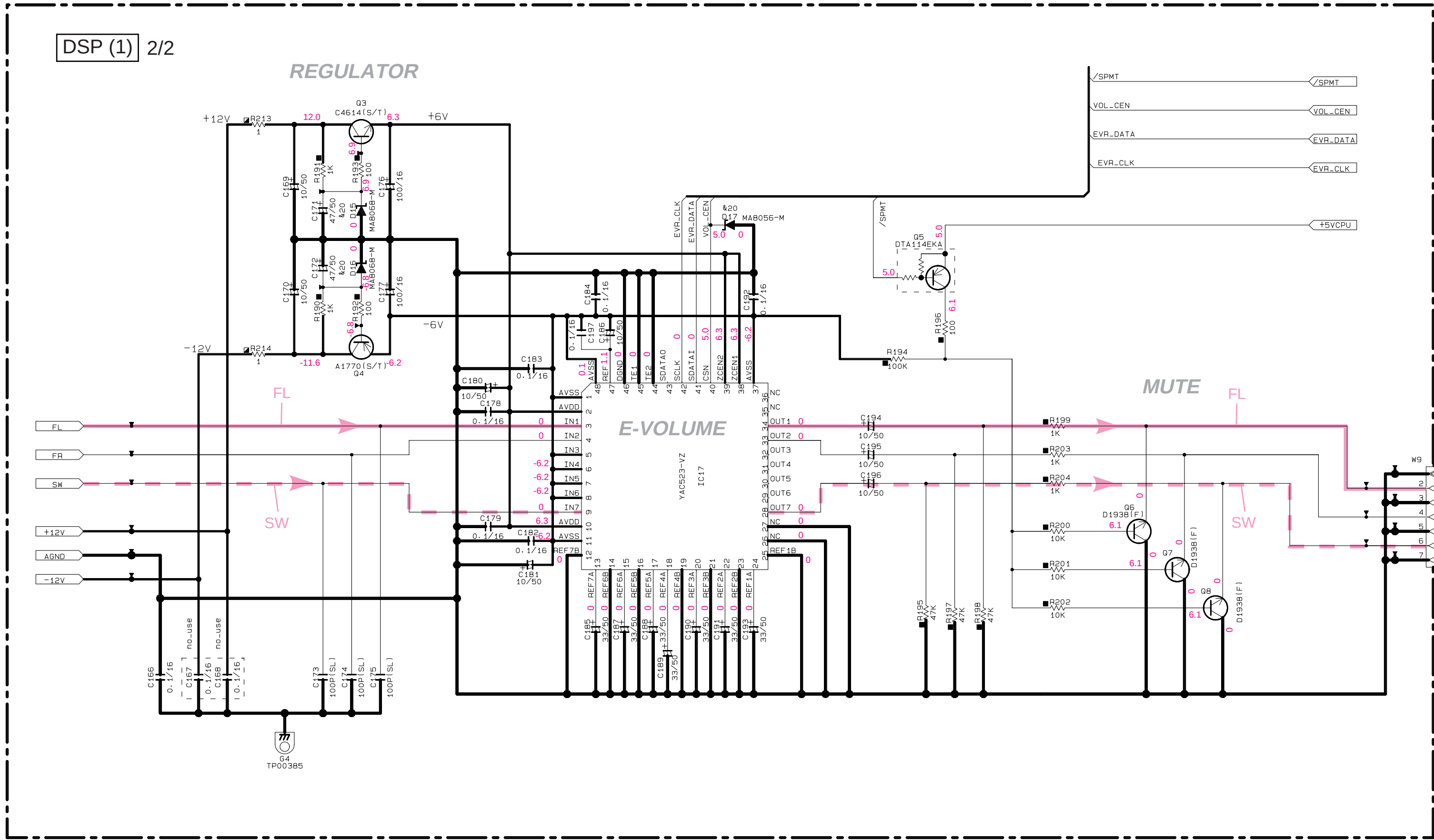


Point ③
CH 1 : Out of IC16
CH 2 : Collector of Q1



* All voltages are measured with a 10MΩV DC electronic volt meter.
* 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、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。
* 本回路図は、標準回路図です。改良のため予告なく変更することがございます。



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

* 電圧は、内部抵抗10 MΩの電圧計で測定したものです。
* △印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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Page 71 [L2]
to DSP (1)_W4Page 72 [L4]
to DSP (1)_W9

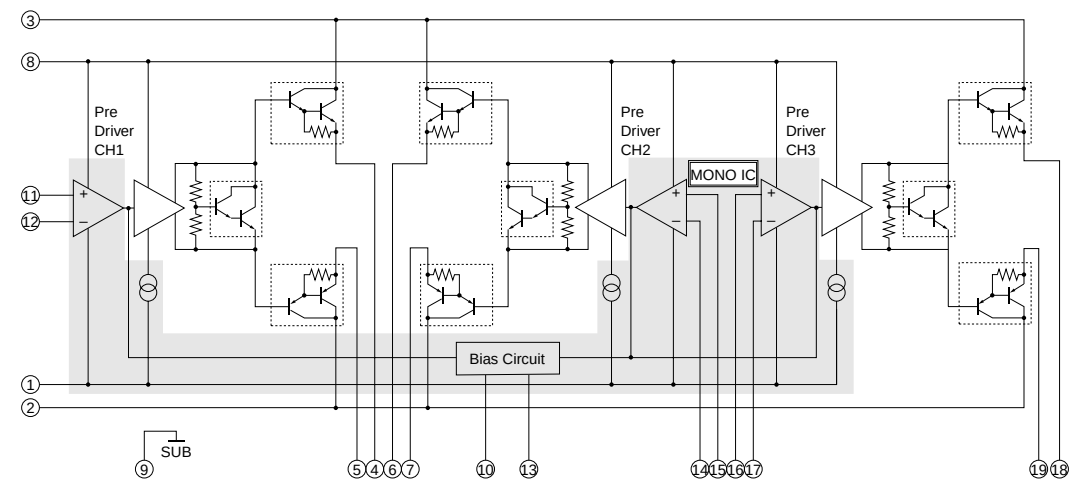
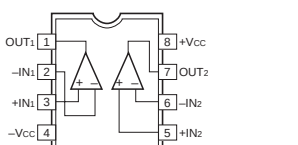
NOTICE (model)
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... STANDARD
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

RESISTOR		
REMARKS	PARTS NAME	
NO MARK	CARBON FILM RESISTOR (P=5)	
□	TANTALUM CAPACITOR	
△	CARBON FILM RESISTOR (P=10)	
△	METAL OXIDE FILM RESISTOR	
△	METAL FILM RESISTOR	
□	METAL PLATE RESISTOR	
□	FIRE PROOF CARBON FILM RESISTOR	
□	CEMENT MOLDED RESISTOR	
□	SEMI VARIABLE RESISTOR	
■	CHIP RESISTOR	

CAPACITOR		
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	
□	TANTALUM CAPACITOR	
●	CERAMIC TUBULAR CAPACITOR	
◎	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
○	MICA CAPACITOR	
◎	POLYPROPYLENE FILM CAPACITOR	
●	SEMICONDUCTIVE CERAMIC CAPACITOR	
◎	POLYPHENYLENE SULFIDE FILM CAPACITOR	

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
K1	D1-4, 6, 7, 11-14, 16	HSS104
		1SS133
		1SS176
K2	IC7	STK433-330-E
		STK433-330Y-E
K3	Q7, 8	2SB1274(R/S)
		2SB1565(E/F)
		KT41046-Y-U/P
K4		
K5		
K6	Q21-22	KBA1045-RTK/P
		DTA144EKA
K7	Q23-24, 30-31	KRC102S-RTK/P
		OTC114EKA
K8	Q25	2SC1815(Y)
		KTC319B Y-AT

IC7: STK433-330-E
3-channel AF power amplifier, stand-by circuit built-inIC1-4 : NJM4580E
Dual operational amplifier

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

* 電圧は、内部抵抗10MΩの電圧計で測定したものです。
* △印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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1

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3

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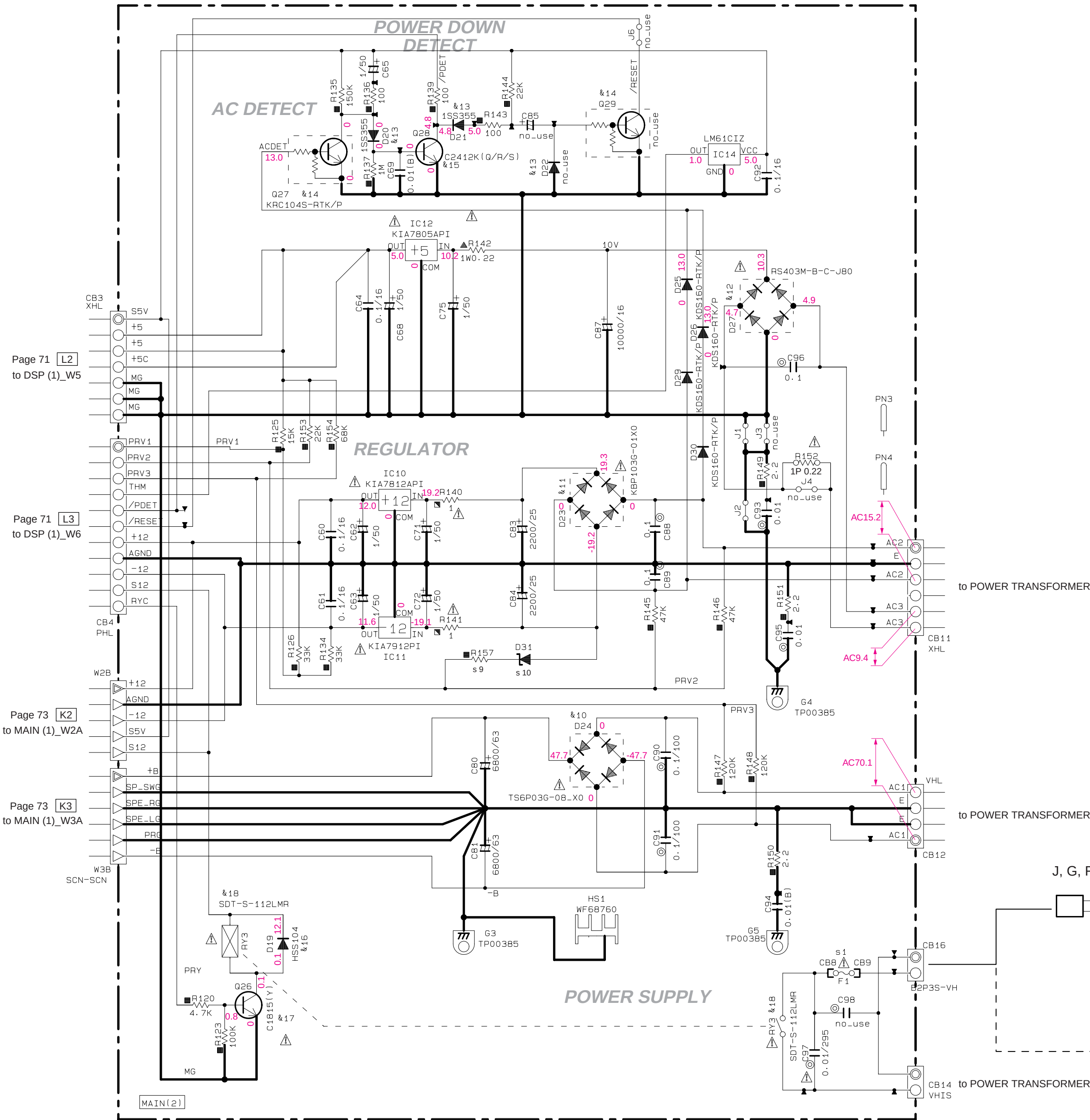
7

8

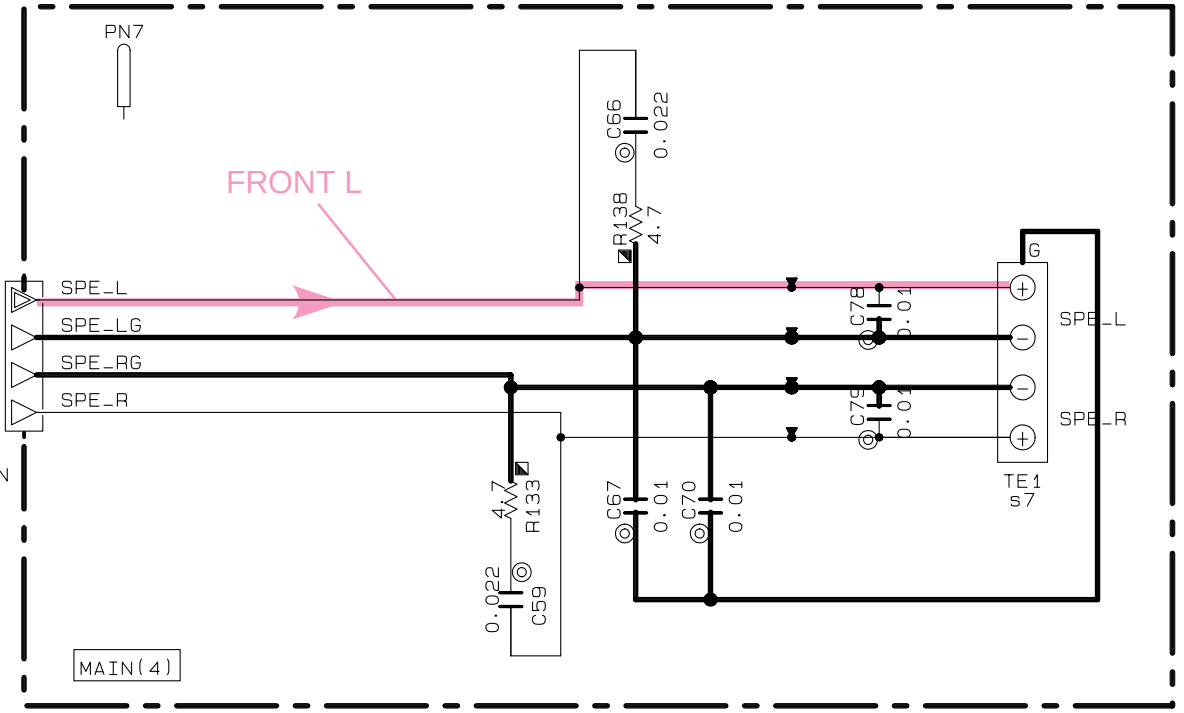
9

10

NX-SW1000



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to MAIN (1)_W1A



SPEAKERS

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

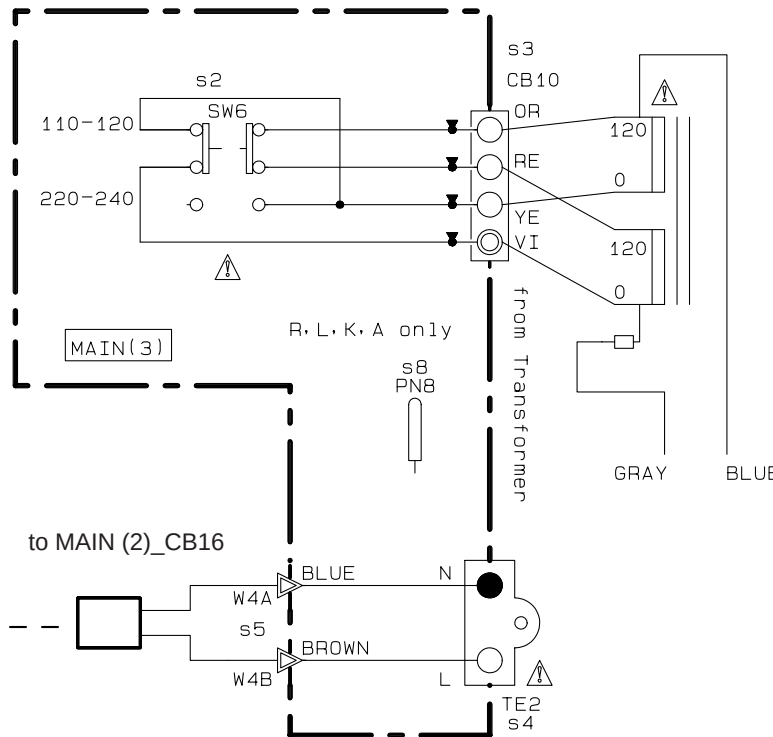
CAPACITOR	
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
⊗	SEMICONDUCTIVE CERAMIC CAPACITOR
Ⓢ	POLYPHENYLENE SULFIDE FILM CAPACITOR

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
⋈10	D24	TS6P03G-08-X0
		RS603M-B-C-J80
⋈11	D23	KBP103G-01X0
		RS103
⋈12	D27	RS403M-B-C-J80
		TS4B03G-07 X0
⋈13	D20, 21	1SS355
		MA111
⋈14	Q27	KRC104S-RTK/P
		DTC144EKA
⋈15	Q28	2SC2412K(Q/R/S)
		KTC3875S-Y, SR-RTK/P
		2SD601ARL/AQL(G/R/S)
⋈16	D19	HSS104
		1SS133
		1SS176
⋈17	Q26	2SC1815(Y)
		KTC319B Y-AT
⋈18	RY3	D612D1-01M1-II
		ALKS321
		G5PA-1
		SDT-S-112LMR

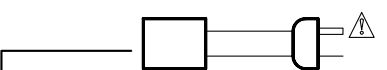
Destination Part List				
sXX	LOC	J	RKAL	G.F
s1	F1	WB76060 6.3A250V	WB76060 6.3A250V	VV07170 3.15A250V
s2	SW6	X	WC90670 SDKPA40300	X
s3	CB10	X	V937790 B4P75-VH	X
s4	TE2	X	WB78260 R-30190(26)	X
s5	W4	X	WN51050	X
s7	TE1	LTS0410-0015FM	WH96310 LTS0410-0016FM	LTS0410-0016FM
s8	PN8	X	V963750	X
s9	R157	X	RD35715 15K	X
s10	D31	X	VU99960 MA8270-H	X

R, K, A, L models

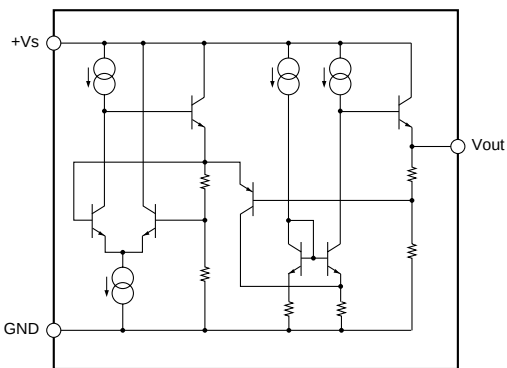


NOTICE (model)
(J)..... JAPAN
(U)..... U.S. A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... STANDARD
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN

J, G, F models



IC14: LM61CIZ
Temperature sensor



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

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

■ REPLACEMENT PARTS LIST

● ELECTRICAL COMPONENT PARTS

WARNING

- Components having special characteristics are marked $\triangle$ and must be replaced with parts having specifications equal to those originally installed.
- The chip resistor is not supplied as a replacement part.
* When a chip resistor is necessary, use the following part.
AAX60720: CHIP RESISTOR SAMPLE BOOK
- $\triangle$ 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。
- チップ抵抗はサービス部品として供給しません。
※ チップ抵抗が必要な場合は、下記の部品をご利用ください。
AAX60720: CHIP RESISTOR SAMPLE BOOK
- 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.SAFTY	: 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.CEMENT	: CEMENT RESISTOR
C.MYLAR.ML	: MULTILAYER MYLAR FILM CAP	R.FUS	: FUSABLE RESISTOR
C.PAPER	: PAPER CAPACITOR	R.MTL.CHP	: CHIP METAL FILM RESISTOR
C.PLS	: POLYSTYRENE FILM CAP	R.MTL.FLM	: METAL FILM RESISTOR
C.POL	: POLYESTER FILM CAP	R.MTL.OXD	: METAL OXIDE FILM RESISTOR
C.POLY	: POLYETHYLENE FILM CAP	R.MTL.PLAT	: METAL PLATE RESISTOR
C.PP	: POLYPROPYLENE FILM CAP	RSNR.CE	: CERAMIC RESONATOR
C.TNTL	: TANTALUM CAP	RSNR.CRYS	: CRYSTAL RESONATOR
C.TNTL.CHP	: CHIP TANTALUM CAP	R.TW.CEM	: TWIN CEMENT FIXED 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-END TUNER 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

NX-SW1000

P.C.B. DSP

Ref No.	Part No.	Description	Remarks	Markets	部品名	ランク
*	VW892700	P. C. B.	DSP		P C B D S P	
CB200	VQD44400	CN BS. PI N	9P		F F C コネクター	01
CB201	VB858400	CN BS. PI N	5P		ベースピン	01
CB202	VB858500	CN BS. PI N	6P		ベースピン	01
CB203	VB858800	CN BS. PI N	9P		ベースピン	01
CB304	VB858700	CN BS. PI N	8P		ベースピン	01
C1	UR837100	C. EL	10uF 16V		ケミコン	01
C2- 12	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C13	US061220	C. CE. CHP	22pF 50V B		チップセラコン	01
C14- 18	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C19	UR837100	C. EL	10uF 16V		ケミコン	01
C20	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C21	US035100	C. CE. CHP	0. 1uF 16V B		チップセラコン	01
C22	UR847220	C. EL	22uF 25V		ケミコン	01
C23	UR818100	C. EL	100uF 6. 3V		ケミコン	01
C24	US061220	C. CE. CHP	22pF 50V B		チップセラコン	01
C25- 29	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C30	UL267100	C. EL	10uF 50V		ケミコン F W	01
C31	US126100	C. CE. CHP	1uF 10V		チップセラコン	01
C32- 35	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C36	US035100	C. CE. CHP	0. 1uF 16V B		チップセラコン	01
C37- 38	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C39	UR837100	C. EL	10uF 16V		ケミコン	01
C40- 48	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C49	US061100	C. CE. CHP	10pF 50V B		チップセラコン	01
C50	UR838100	C. EL	100uF 16V		ケミコン	01
C51	UA654680	C. MYLAR	0. 068uF 50V J		マイラーコン	02
C52	UA653100	C. MYLAR	1000pF 50V J		マイラーコン	03
C53	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C54	UR837100	C. EL	10uF 16V		ケミコン	01
C55- 61	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C62	US063100	C. CE. CHP	1000pF 50V B		チップセラコン	01
C63- 64	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C65	UR837100	C. EL	10uF 16V		ケミコン	01
C66- 70	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C71- 72	US061180	C. CE. CHP	18pF 50V B		チップセラコン	01
C73	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C74	UR837100	C. EL	10uF 16V		ケミコン	01
C75- 77	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C78	US035100	C. CE. CHP	0. 1uF 16V B		チップセラコン	01
C79- 87	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C88	US063100	C. CE. CHP	1000pF 50V B		チップセラコン	01
C89	UR837100	C. EL	10uF 16V		ケミコン	01
C90- 91	US035100	C. CE. CHP	0. 1uF 16V B		チップセラコン	01
C94- 95	UR837100	C. EL	10uF 16V		ケミコン	01
C96	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C97	UR818470	C. EL	470uF 6. 3V		ケミコン	01
C98	UR818100	C. EL	100uF 6. 3V		ケミコン	01
C99	US035100	C. CE. CHP	0. 1uF 16V B		チップセラコン	01
C100	UR837100	C. EL	10uF 16V		ケミコン	01
C101	UR818470	C. EL	470uF 6. 3V		ケミコン	01
C102	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C103	US065100	C. CE. CHP	0. 1uF 50V B		チップセラコン	01
C104	UL238330	C. EL	330uF 16V		ケミコン F W	01

*New Parts (新規部品)

NX-SW1000

P.C.B. DSP

Ref. No.	Part No.	Description	Remarks	Markets	部品名	ランク
C105	UR818100	C. EL	100uF 6.3V		ケミコン	01
C106-111	U5135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C112	U5035100	C. CE. CHP	0.1uF 16V B		チップセラコン	01
C113	UJ266220	C. EL	2.2uF 50V		ケミコン FW	01
C114	U5061330	C. CE. CHP	33pF 50V B		チップセラコン	01
C115-117	UJ267100	C. EL	10uF 50V		ケミコン FW	01
C118-119	U5135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C120	U5064150	C. CE. CHP	0.015uF 50V B		チップセラコン	01
C121-123	UA653270	C. MYLAR	2700pF 50V J		マイラーコン	01
C124-126	VQ462600	C. MYLAR	220pF 50V		マイラーコン	01
C127-130	U5135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C131-133	UJ267100	C. EL	10uF 50V		ケミコン FW	01
C134-137	U5061330	C. CE. CHP	33pF 50V B		チップセラコン	01
C138-139	UJ248220	C. EL	220uF 25V		ケミコン	01
C140	UR847100	C. EL	10uF 25V		ケミコン	01
C141	U5065100	C. CE. CHP	0.1uF 50V B		チップセラコン	01
C142	UR847470	C. EL	47uF 25V		ケミコン	01
C143-144	U5062100	C. CE. CHP	100pF 50V B		チップセラコン	01
C145	UR866100	C. EL	1uF 50V		ケミコン	01
C146-147	U5062100	C. CE. CHP	100pF 50V B		チップセラコン	01
C148	U5065100	C. CE. CHP	0.1uF 50V B		チップセラコン	01
C149-150	U5062100	C. CE. CHP	100pF 50V B		チップセラコン	01
C151	UR848470	C. EL	470uF 25V		ケミコン	01
C152-153	U5035100	C. CE. CHP	0.1uF 16V B		チップセラコン	01
C154	U5062100	C. CE. CHP	100pF 50V B		チップセラコン	01
C155-156	U5035100	C. CE. CHP	0.1uF 16V B		チップセラコン	01
C157	U5062100	C. CE. CHP	100pF 50V B		チップセラコン	01
C159-160	U5035100	C. CE. CHP	0.1uF 16V B		チップセラコン	01
C161	U5062100	C. CE. CHP	100pF 50V B		チップセラコン	01
C162-166	U5035100	C. CE. CHP	0.1uF 16V B		チップセラコン	01
C169-170	UJ267100	C. EL	10uF 50V		ケミコン FW	01
C171-172	UJ267470	C. EL	47uF 50V		ケミコン FW	01
C173-175	U5062100	C. CE. CHP	100pF 50V B		チップセラコン	01
C176-177	UJ238100	C. EL	100uF 16V		ケミコン	01
C178-179	U5135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C180-181	UJ267100	C. EL	10uF 50V		ケミコン FW	01
C182-184	U5135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C185	UJ267330	C. EL	33uF 50V		ケミコン FW	01
C186	UJ267100	C. EL	10uF 50V		ケミコン FW	01
C187-191	UJ267330	C. EL	33uF 50V		ケミコン FW	01
C192	U5135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C193	UJ267330	C. EL	33uF 50V		ケミコン FW	01
C194-196	UJ267100	C. EL	10uF 50V		ケミコン FW	01
C197	U5135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C198	U5035100	C. CE. CHP	0.1uF 16V B		チップセラコン	01
C200-202	U5035100	C. CE. CHP	0.1uF 16V B		チップセラコン	01
C203	U5062470	C. CE. CHP	470pF 50V B		チップセラコン	01
C204-205	U5035100	C. CE. CHP	0.1uF 16V B		チップセラコン	01
C301	UM897100	C. EL	10uF 16V		ケミコン	01
C302-303	U5135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
D1-2	VU992600	DIODE, ZENR	MA8051-M 5.1V		ツェナーダイオード	01
DB	VT332900	DIODE	1SS355		ダイオード	01
D4-5	VU992600	DIODE, ZENR	MA8051-M 5.1V		ツェナーダイオード	01
D6-8	VT332900	DIODE	1SS355		ダイオード	01

★New Parts (新規部品)

NX-SW1000

P.C.B. DSP & MAIN

Ref. No.	Part No.	Description	Remarks	Markets	部品名	ランク
D9-12	VW220700	DIODE, SHOT	RB501V-40		ショットキーダイオード	01
D13	VU990100	DIODE, ZENR	MA8027 2.7V		ツェナーダイオード	01
D14	VT332900	DIODE	1SS355		ダイオード	01
D15-16	VU993800	DIODE, ZENR	MA8068-M 6.8V		ツェナーダイオード	01
D17	VU993000	DIODE, ZENR	MA8056-M 5.6V		ツェナーダイオード	01
D18	VU992600	DIODE, ZENR	MA8051-M 5.1V		ツェナーダイオード	01
* DB00-303	VW880900	LED, CHP	RED		チップLED	
IC2	XY070A00	IC	MM74HCU04SJX INVER		ロジックIC	01
IC3	X3833A00	IC	SN74AHC1G08DCKR		ロジックIC	01
IC4	X5444A00	IC	LC89057WVF4D-E		IC	07
IC5	X2590B00	IC	V0816G6CH-7 SDRAM		メモリIC 16M	06
IC6	X3824A00	IC	SN74AHC08PVR		ロジックIC	01
* IC7	X9465C00	IC, MEMORY	S29AL004D70TFI020	written	メモリIC	
IC8	X3693A00	IC	SN74LV245APVR TRAN		ロジックIC	
IC9	X3824A00	IC	SN74AHC08PVR		ロジックIC	01
IC10	X3807A00	IC	AK4628VQ		IC	08
IC11	X5945A00	IC	PQD12FZ01ZPH		電源IC	05
IC12	X6051A00	IC	UPC29NB3T-E1-AZ		電源IC	04
* IC13		IC, CPU			IC CPU	
IC14-15	X2331A00	IC	NM4580E OP AMP		アンプIC	01
IC16	X5769A00	IC	KIA78L05BP		電源IC	02
IC17	X4325A00	IC	YAC523-EVR2		ICアナログ	06
Q1	VW556400	TR	2SC2412K Q R, S		トランジスタ	01
Q2	VW435000	TR, DGT	KRC102S-RTK		デジタルトランジスタ	01
Q3	V4096100	TR	2SC4614 S, T		トランジスタ	02
Q4	V4096000	TR	2SA1770 S, T		トランジスタ	03
Q5	VW655000	TR, DGT	DTA114EKA		デジタルトランジスタ	01
Q6-8	VZ725900	TR	2SD1938F S, T		トランジスタ	01
R87	HV753100	R, CAR, FP	1Ω 1/4W		不燃化カーボン抵抗	01
R91-92	HV753100	R, CAR, FP	1Ω 1/4W		不燃化カーボン抵抗	01
R209	HV753100	R, CAR, FP	1Ω 1/4W		不燃化カーボン抵抗	01
R213-214	HV753100	R, CAR, FP	1Ω 1/4W		不燃化カーボン抵抗	01
ST200-201	VW789600	SCR, TERM	NB		スクリューターミナル	
ST302-303	VW789600	SCR, TERM	NB		スクリューターミナル	
SVB00	VW011000	SWTACT	SKHLLC		タクトSW	01
LB00	VW437900	L, DTCT	GP1UD281YK		リモコン受光ユニット	04
XL1	V3625700	RSNR, CRYST	24.576MHz		水晶振動子	03
XL2	VW674700	RSNR, CE	16MHz CSTLS16M0X51		セラミック振動子	
* * *	VW892200	P. C. B.	MAIN	J	P C B MAIN	
	VW892400	P. C. B.	MAIN	RKAL	P C B MAIN	
	VW892500	P. C. B.	MAIN	G	P C B MAIN	
CB1	VB858600	CN BS, PIN	7P		ベースピン	01
CB2	VB858900	CN BS, PIN	10P		ベースピン	01
CB3	LB919070	CN BS, PIN	7P		ベース付ポスト	01
CB4	VB389600	CN BS, PIN	11P		コネクタベースポスト	01
CB8-9	VW050700	CLIP, FUSE	EYF-52BCY		ヒューズクリップ	01
CB10	V9377900	CN BS, PIN	4P	RKAL	ベース付ポスト	
CB11	LB919060	CN BS, PIN	6P		ベース付ポスト	01
CB12	LB933040	CN BS, PIN	4P		ベースポスト	01
CB14	VGB79900	CN BS, PIN	2P		ベースピン	01
CB15	LB933020	CN BS, PIN	2P		ベースポスト	01

* New Parts (新規部品)

NX-SW1000

P.C.B. MAIN

Ref. No.	Part No.	Description	Remarks	Markets	部品名	ランク
CB16	VP245600	CN	2P		ベース付ポスト	01
C1-3	UR867100	C. EL	10uF 50V		ケミコン	01
C4-5	VY602900	C. MYLAR	100pF 50V K		マイラーコン	01
C6	VY605000	C. MYLAR	0.01uF 50V J		マイラーコン	01
C7-8	US061220	C. CE. CHP	22pF 50V B		チップセラコン	01
C9	UR867100	C. EL	10uF 50V		ケミコン	01
C10-11	VY603100	C. MYLAR	220pF 50V		マイラーコン	
C12	VR169000	C. MYLAR	0.33uF 50V		マイラーコン	01
C13-14	US135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C15	VR168500	C. MYLAR. ML	ECQ V1H154J L3		積層マイラーコン	01
C16-18	UR867100	C. EL	10uF 50V		ケミコン	01
C19-20	VR168600	C. MYLAR. ML	ECQ V1H184J L3		積層マイラーコン	01
C21	UR837330	C. EL	33uF 16V		ケミコン	01
C22	UR867100	C. EL	10uF 50V		ケミコン	01
C23	VR168300	C. MYLAR	0.1uF 50V		マイラーコン	01
C24-25	UR837100	C. EL	10uF 16V		ケミコン	01
C28	UR838100	C. EL	100uF 16V		ケミコン	01
C29	UR877220	C. EL	22uF 63V		ケミコン	01
C30	VY605000	C. MYLAR	0.01uF 50V J		マイラーコン	01
C31	UR897100	C. EL	10uF 100V		ケミコン	01
C32	UR877220	C. EL	22uF 63V		ケミコン	01
C33	UR897100	C. EL	10uF 100V		ケミコン	01
C34	VY602900	C. MYLAR	100pF 50V K		マイラーコン	01
C35	VY603300	C. MYLAR	470pF 50V J		マイラーコン	01
C36	VY605000	C. MYLAR	0.01uF 50V J		マイラーコン	01
C37	VY603300	C. MYLAR	470pF 50V J		マイラーコン	01
C38	VR169200	C. MYLAR	0.47uF 50V		マイラーコン	01
C39	VY602900	C. MYLAR	100pF 50V K		マイラーコン	01
C40	UR867330	C. EL	33uF 50V		ケミコン	01
C41	VY603300	C. MYLAR	470pF 50V J		マイラーコン	01
C42	UR897100	C. EL	10uF 100V		ケミコン	01
C43	FG650500	C. CE	5pF 50V		セラコン	01
C44	VY602900	C. MYLAR	100pF 50V K		マイラーコン	01
C45	UR867330	C. EL	33uF 50V		ケミコン	01
C46-47	UR837470	C. EL	47uF 16V		ケミコン	01
C48	UR866100	C. EL	1uF 50V		ケミコン	01
C49-50	FG650500	C. CE	5pF 50V		セラコン	01
C51-53	UA654470	C. MYLAR	0.047uF 50V J		マイラーコン	01
C54	UR866470	C. EL	4.7uF 50V		ケミコン	01
C55	UR828220	C. EL	220uF 10V		ケミコン	01
C56	VR168300	C. MYLAR	0.1uF 50V		マイラーコン	01
C57	UR867100	C. EL	10uF 50V		ケミコン	01
C58	UR858100	C. EL	100uF 35V		ケミコン	01
C59	UA654220	C. MYLAR	0.022uF 50V J		マイラーコン	01
C60-61	US135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C62-63	UR866100	C. EL	1uF 50V		ケミコン	01
C64	US135100	C. CE. CHP	0.1uF 16V		チップセラコン	01
C65	UR866100	C. EL	1uF 50V		ケミコン	01
C66	UA654220	C. MYLAR	0.022uF 50V J		マイラーコン	01
C67	VY605000	C. MYLAR	0.01uF 50V J		マイラーコン	01
C68	UR866100	C. EL	1uF 50V		ケミコン	01
C69	US064100	C. CE. CHP	0.01uF 50V B		チップセラコン	01
C70	VY605000	C. MYLAR	0.01uF 50V J		マイラーコン	01
C71-72	UR866100	C. EL	1uF 50V		ケミコン	01

★New Parts (新規部品)

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P.C.B. MAIN

Ref No.	Part No.	Description	Remarks	Markets	部品名	ランク
C75	UR866100	C. EL	1uF 50V		ケミコン	01
C78- 79	VY605000	C. MYLAR	0. 01uF 50V J		マイラーコン	01
C80- 81	WE514200	C. EL	6800uF 63V		ケミコン	
C83- 84	UR749220	C. EL	2200uF 25V		ケミコン	03
C87	UR73A100	C. EL	10000uF 16V		ケミコン	03
C88- 89	VR168300	C. MYLAR	0. 1uF 50V		マイラーコン	01
C90- 91	VY611400	C. MYLAR	0. 1uF 100V J		マイラーコン	01
C92	US135100	C. CE. CHP	0. 1uF 16V		チップセラコン	01
C93	VY605000	C. MYLAR	0. 01uF 50V J		マイラーコン	01
C94	US064100	C. CE. CHP	0. 01uF 50V B		チップセラコン	01
C95	VY605000	C. MYLAR	0. 01uF 50V J		マイラーコン	01
C96	VR168300	C. MYLAR	0. 1uF 50V		マイラーコン	01
△ C97	VB121400	C. CE. SAFTY	0. 01uF 295V		規格認定コンデンサ	
C100- 101	VY605000	C. MYLAR	0. 01uF 50V J		マイラーコン	01
D1- 4	VD631600	DIODE	1SS133, 176		ダイオード	01
D5	VU992600	DIODE. ZENR	MA8051- M 5. 1V		ツェナーダイオード	01
D6- 7	VD631600	DIODE	1SS133, 176		ダイオード	01
D8- 9	VC398800	DIODE	KDS160- RTK		ダイオード	01
D10	VND08700	DIODE	1SS270A		ダイオード	01
D11- 14	VD631600	DIODE	1SS133, 176		ダイオード	01
D15	VND08700	DIODE	1SS270A		ダイオード	01
D16	VD631600	DIODE	1SS133, 176		ダイオード	01
D17- 18	VND08700	DIODE	1SS270A		ダイオード	01
D19	VD631600	DIODE	1SS133, 176		ダイオード	01
D20- 21	VT332900	DIODE	1SS355		ダイオード	01
△ D23	VA653100	DIODE. BRG	KBP103G 1A 200V		ダイオ - ドブリッジ	02
△ D24	VA653200	DIODE. BRG	TS6P03G 6A 200V		ダイオ - ドブリッジ	04
D25- 26	VC398800	DIODE	KDS160- RTK		ダイオード	01
△ D27	VY286700	DIODE. BRG	RS403M 4A 140V		ダイオードブリッジ	03
D28	VU994600	DIODE. ZENR	MA8082- M8. 2V		ツェナーダイオード	01
△ F1	VB760600	FUSE	T6. 3A 250V	J RKAL	ヒューズ	01
△ F1	W071700	FUSE	3. 15A 250V	GF	ヒューズ	01
I C1- 4	X2331A00	I C	NJ M580E CP AMP		アンプ I C	01
△ I C7	X8190A00	I C	STK433- 330- E		パワー I C	12
△ I C10	X4153A00	I C	KI A7812API		電源 I C	02
△ I C11	X4154A00	I C	KI A7912PI		電源 I C	
△ I C12	X4928A00	I C	KI A7805API 5V		電源 I C	02
I C14	X0515A00	I C	LM61CI Z THERMAL		電源 I C	03
△ Q6	VC398400	TR	2N5551C- AT		トランジスタ	01
△ Q7- 8	VC614000	TR	2SB1274 Q R, S		トランジスタ	02
△ Q9	VC398400	TR	2N5551C- AT		トランジスタ	01
△ Q10- 11	VC397700	TR	2N5401C- AT		トランジスタ	
Q12	VB228800	TR	KTC3198 Y AT		トランジスタ	
Q13	VB228700	TR	KTA1266 Y AT		トランジスタ	
Q14	VB228800	TR	KTC3198 Y AT		トランジスタ	
Q15	VB228700	TR	KTA1266 Y AT		トランジスタ	
△ Q16- 18	VC398400	TR	2N5551C- AT		トランジスタ	01
△ Q19	VC397700	TR	2N5401C- AT		トランジスタ	
Q20	V3028000	FET	2SK304 E		F E T	01
△ Q21- 22	VC434900	TR. DGT	KRA104S- RTK		デジタルトランジスタ	01
Q23- 24	VC435000	TR. DGT	KRC102S- RTK		デジタルトランジスタ	01
△ Q25- 26	i C1815I O	TR	2SC1815 Y		トランジスタ	01
Q27	VC435100	TR. DGT	KRC104S- RTK		デジタルトランジスタ	01
Q28	W556400	TR	2SC2412K Q R, S		トランジスタ	01

*New Parts (新規部品)

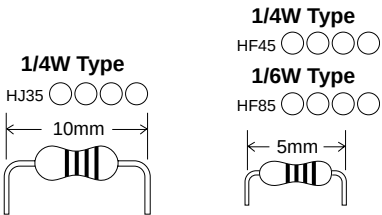
NX-SW1000

P.C.B. MAIN

Carbon Resistors

	Ref No.	Part No.	Description	Remarks	Markets	部品名	ランク
	Q30- 31	V435000	TR. DGT	KRC102S- RTK		デジタルトランジスタ	01
	R36	V796900	R. MTL. FLM	2. 7KΩ 1/4W		金属被膜抵抗	
△	R39	H753220	R. CAR. FP	2. 2Ω 1/4W		不燃化カーボン抵抗	01
△	R42	H755560	R. CAR. FP	560Ω 1/4W		不燃化カーボン抵抗	01
△	R52	H754100	R. CAR. FP	10Ω 1/4W		不燃化カーボン抵抗	01
△	R55	H754100	R. CAR. FP	10Ω 1/4W		不燃化カーボン抵抗	01
	R69	H754470	R. CAR. FP	47Ω 1/4W		不燃化カーボン抵抗	01
△	R71	V8279900	R. CEMENT	RGC55C 0. 22+0. 22		セメント抵抗	02
	R78	V798300	R. MTL. FLM	10KΩ 1/4W		金属被膜抵抗	
△	R79- 80	V8279900	R. CEMENT	RGC55C 0. 22+0. 22		セメント抵抗	02
	R86	V798300	R. MTL. FLM	10KΩ 1/4W		金属被膜抵抗	
	R87	V799000	R. MTL. FLM	20KΩ 1/4W		金属被膜抵抗	
	R93	H754100	R. CAR. FP	10Ω 1/4W		不燃化カーボン抵抗	01
	R94	V798300	R. MTL. FLM	10KΩ 1/4W		金属被膜抵抗	
	R96- 97	H754100	R. CAR. FP	10Ω 1/4W		不燃化カーボン抵抗	01
△	R99	V8625100	R. MTL. FLM	4. 7Ω 1WJ		金属被膜抵抗	01
△	R104- 105	V8625100	R. MTL. FLM	4. 7Ω 1WJ		金属被膜抵抗	01
	R119	V6022600	R. CEMENT	0. 1Ω 3W		セメント抵抗	
	R133	H753470	R. CAR. FP	4. 7Ω 1/4W		不燃化カーボン抵抗	01
	R138	H753470	R. CAR. FP	4. 7Ω 1/4W		不燃化カーボン抵抗	01
△	R140- 141	H753100	R. CAR. FP	1Ω 1/4W		不燃化カーボン抵抗	01
△ *	R142	V8624300	R. MTL. FLM	0. 22Ω 1W		金属被膜抵抗	
△	R152	V819500	R. FUSE	0. 47Ω 1W		ヒューズ抵抗	01
△	RY1- 2	V7122400	RELAY	981- 2A- 24DS- SP7		リレー 2 4 V	04
△	RY3	V2712300	RELAY	DC SDF- S- 112LMR		リレー 1 2 V	05
△	SV6	V906700	SWSLIDE	SDKPA40300	RKAL	スライドSW	06
	TE1	V963000	TERMSP	4P LTS0410- 0015FM	J	スピーカーターミナル	05
*	TE1	V963100	TERMSP	4P LTS0410- 0016FM	RKAGFL	スピーカーターミナル	
△	TE2	V8782600	AC INLET	R- 30190(26)	RKAL	ACインレット 2 P	
		V774200	SCR. BND. HD	3x10 MFZNV8		バインドBタイトネジ	01

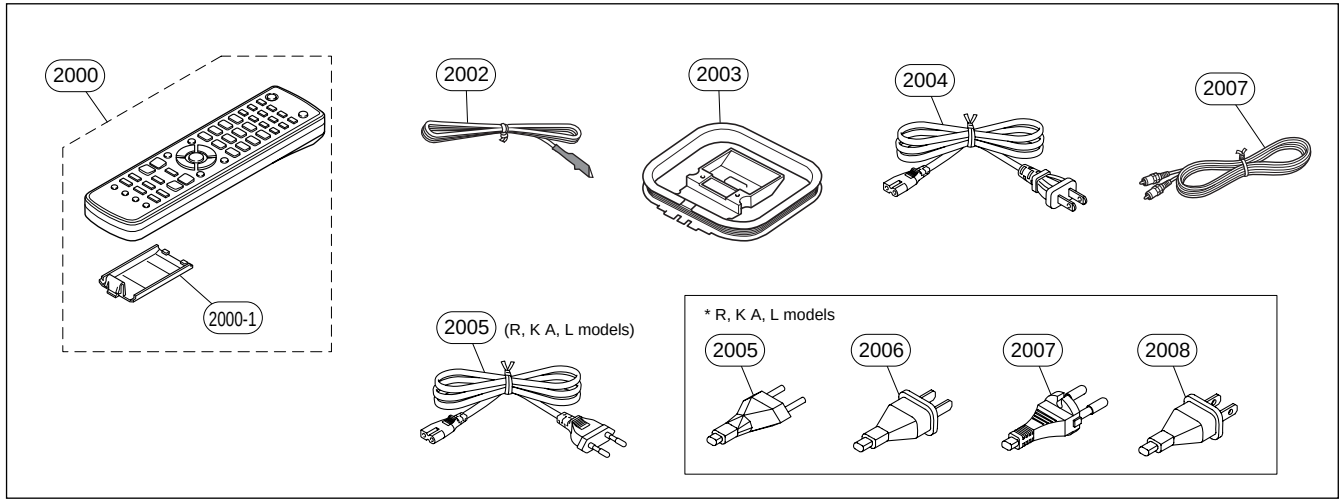
Value	1/4W Type Part No.	1/6W Type Part No.	Value	1/4W Type Part No.	1/6W Type Part No.
1.0 Ω	HJ35 3100	HF85 3100	10 kΩ	HF45 7100	HF45 7100
1.8 Ω	HJ35 3180	*	11 kΩ	HF45 7110	HF45 7110
2.2 Ω	HJ35 3220	HF85 3220	12 kΩ	HJ35 7120	HF85 7120
3.3 Ω	HJ35 3330	HF85 3330	13 kΩ	HF45 7130	HF45 7130
4.7 Ω	HJ35 3470	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			



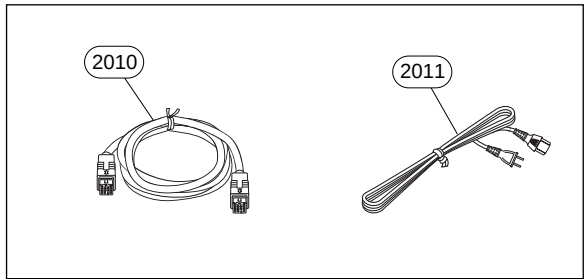
★ New Parts (新規部品)

● ACCESSORIES

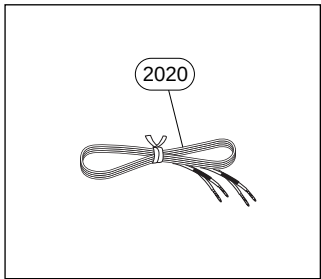
For DVR-1000



For NX-SW1000



For NX-P1000



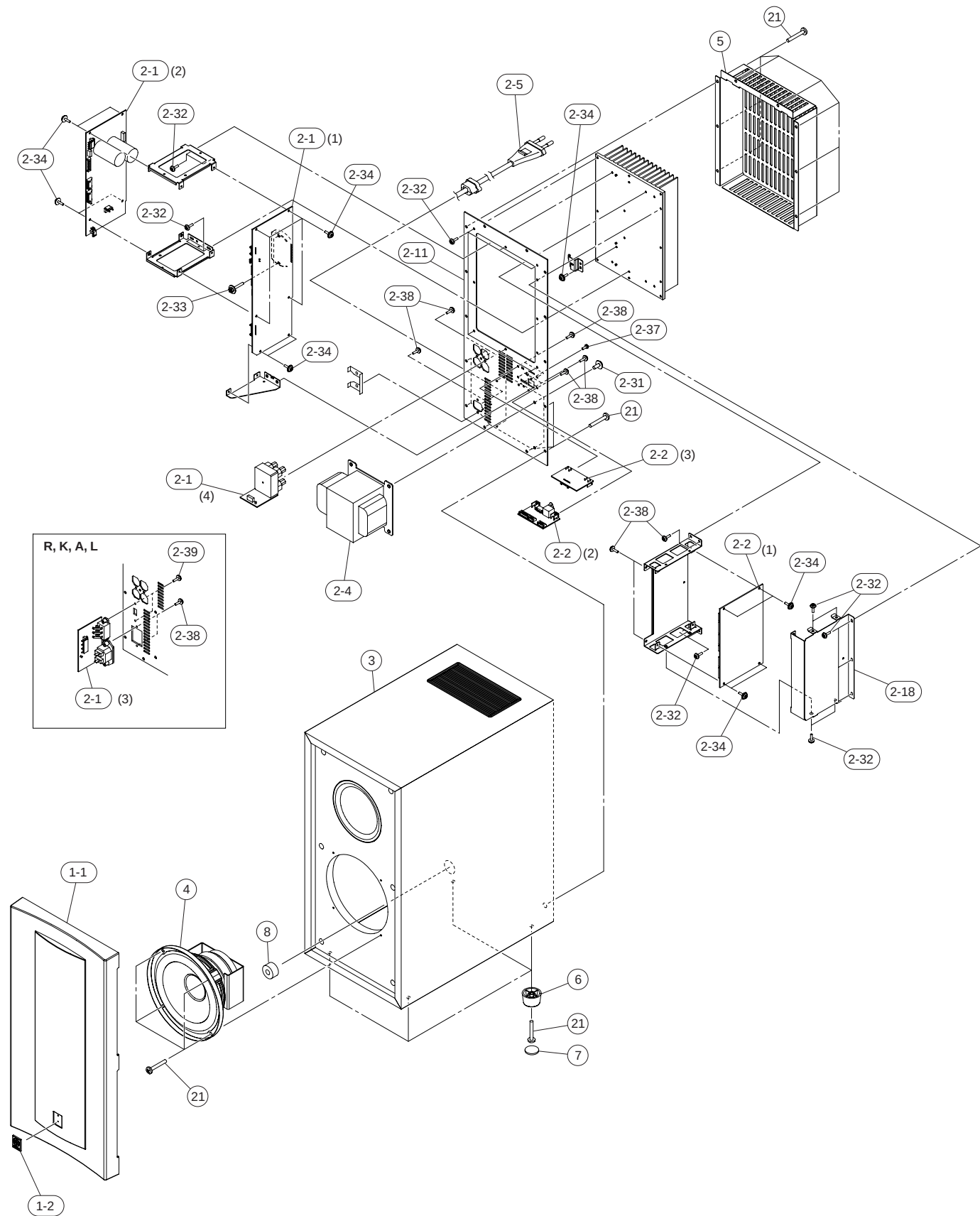
Ref. No.	Part No.	Description	Remarks	Markets	部品名	ランク
* 101	AAX89440	TOP CABINET	3139 244 17561		トップキャビネット	
* 119	AAX89540	BUTTON VOLUME DVR1000	3139 244 17572		ボタンVOLUME	
* 120	AAX89510	BUTTON INPUT/STOP	3139 244 17852		ボタンINPUT/STOP	
* 121	AAX89520	BUTTON PLAY/PAUSE	3139 244 17862		ボタンPLAY/PAUSE	
* 122	AAX89530	BUTTON STANDBY	3139 244 17581		ボタンSTANDBY	
* 123	AAX89500	BUTTON EJECT	3139 244 17591		ボタンEJECT	
* 124	AAX89300	ESC/CH-ON BUTTON	3139 244 17601		エスカッション ボタン	
* 125	AAX89600	LENS LED	3139 244 17611		レンズLED	
* 126	AAX89420	SHEET GUIDE	3139 244 17622		シート ガイド	
* 127	AAX89480	PANEL GUIDE	3139 243 10241		パネル ガイド	
* 128	AAX89400	SHEET WINDOW	3139 244 17632	J	シート ウィンドウ	
* 128	AAX89410	SHEET WINDOW	3139 244 17642	RKAGFL	シート ウィンドウ	
* 130	AAX89460	TOP PANEL	3139 241 60952	J	トップパネル	
* 130	AAX90120	TOP PANEL	3139 241 60992	RKAGFL	トップパネル	
* 150	AAX89550	BOTTOM CABINET ASS'Y	3141 079 44241		ボトムキャビネットASS'Y	
* 152	AAX89430	SHEET BARRIER	3139 244 17681		シート バリア	
* 163	AAX89560	REAR PANEL	3139 241 27201	J	リアパネル	
* 163	AAX89580	REAR PANEL	3139 241 27222	RKAL	リアパネル	
* 163	AAX89570	REAR PANEL	3139 241 27211	G	リアパネル	
* 163	AAX89590	REAR PANEL	3139 241 27231	F	リアパネル	
250	AAX53520	PAN HEAD TORX P-TIGHT SCREW	3x8 MFZN2BL 2511 076 50012		ナベトルクスPタイトネジ	
251	AAX23640	PAN HEAD TORX S-TIGHT SCREW	3x6 MFZN2BL 2511 077 00039		ナベトルクスSタイトネジ	
* 252	AAX89470	PAN HEAD TORX P-TIGHT SCREW	3x8 MFZN2BL 2511 077 00041		ナベトルクスPタイトネジ	
* 282	AAX89640	SPECIAL SCREW	2.6x4 MFZN2BL 2522 200 00088		特殊小ネジ	
290	AAX72210	PAN HEAD TORX P-TIGHT SCREW	3x6 MFZN2BL 2511 076 50011		ナベトルクスPタイトネジ	01
* 1001	AAX89250	P. C. B. ASS'Y	FRONT 3139 248 53461	J	P C B FRONT	
* 1001	AAX89240	P. C. B. ASS'Y	FRONT 3139 248 53451	RKAGFL	P C B FRONT	
* 1002	AAX89280	P. C. B. ASS'Y	USB 3139 248 53331		P C B USB	
* 1003	AAX89270	P. C. B. ASS'Y	MONO SD6.3 3139 248 53351		P C B MONO	
* 1004	AAX89260	P. C. B. ASS'Y	HDMI 3139 248 53361		P C B HDMI	
* 1006	AAX89630	POWER SUPPLY UNIT	06P30 VR AC6812-8LF 3139 247 12562		電源ユニット	
* 1007	AAX89610	LOADER ASS'Y	SLOT IN type 3139 248 00611		ローダーASS'Y	
* 1008	AAX89190	AM/FM TUNER	ENG04815CF 2422 542 00047	J	AM/FMチューナー	
* 1008	AAX89180	AM/FM TUNER	ENG06833CF 2422 542 00045	RKAL	AM/FMチューナー	
* 1008	AAX89170	AM/FM TUNER	ENG07820CF 2422 542 00044	GF	AM/FMチューナー	
* 1009	AAX89230	P. C. B. ASS'Y	AV 3139 248 53431	J	P C B AV	
* 1009	AAX89210	P. C. B. ASS'Y	AV 3139 248 53341	RKAL	P C B AV	
* 1009	AAX89220	P. C. B. ASS'Y	AV 3139 248 53421	GF	P C B AV	
* 8002	AAX89390	CABLE ASS'Y	2P 140nm 3139 241 03551	J GF	ケーブルASS'Y	
* 8002	AAX80010	CABLE ASS'Y	2P 140nm 3139 241 03121	RKAL	ケーブルASS'Y	
* 8005	AAX89320	FLEXIBLE FLAT CABLE	16P 180nm P=1mm 3139 111 02361		カード電線 C & C	
* 8007	AAX89370	FLEXIBLE FLAT CABLE	21P 140nm P=1mm 3139 241 03991		カード電線 C & C	
* 8008	AAX89360	FLEXIBLE FLAT CABLE	30P 140nm P=1mm 3139 241 02771		カード電線 C & C	
8009	AAX59250	FLEXIBLE FLAT CABLE	30P 180nm P=1mm 3139 241 00421		カード電線 C & C	02
8010	AAX90100	FLEXIBLE FLAT CABLE	30P 280nm P=1mm FCLD 3139 241 04011		カード電線 C & C	
* 8011	AAX89330	FLEXIBLE FLAT CABLE	10P 180nm P=1.25mm 3139 111 04471		カード電線 C & C	
* 8012	AAX89340	FLEXIBLE FLAT CABLE	10P 180nm P=1mm 3139 241 01771		カード電線 C & C	
* 8013	AAX89350	FLEXIBLE FLAT CABLE	19P 220nm P=1mm 3139 241 02451		カード電線 C & C	
* 8014	AAX47130	FLEXIBLE FLAT CABLE	11P 80nm P=1mm 3139 241 00231		カード電線 C & C	
8015	AAX62220	FLEXIBLE FLAT CABLE	13P 220nm P=1mm 3139 241 00571		カード電線 C & C	01
* 8016	AAX90110	FLEXIBLE FLAT CABLE	7P 100nm P=1mm 3139 241 04121		カード電線 C & C	
* 8017	AAX89380	FLEXIBLE FLAT CABLE	9P 80nm P=1mm 3139 241 04001		カード電線 C & C	
* 8022	AAX89290	USB CABLE ASS'Y	USB 5P 300nm 2422 076 00786		USBケーブルASS'Y	

* New Parts (新規部品)

Ref. No.	Part No.	Description	Remarks	Markets	部品名	ランク
* 2000	VM238600	FOR DVR-1000				
* 2000	VM238700	REMOTE CONTROL		J RKAL	リモコン	
2000-1	AAX57560	BATTERY COVER	103RRS-141-07L	GF	リモコン電池蓋	
2002	AAX67120	INDOOR FM ANTENNA	1.0m 1pc 2422 076 00546		FM簡易アンテナ	01
* 2003	AAX89200	AM LOOP ANTENNA	1.0m 1pc 2422 549 00717	J	AMループアンテナ	
2003	AAX67100	AM LOOP ANTENNA	1.0m 1pc 2422 549 45386	RKAL	AMループアンテナ	04
* 2004	AAX89620	POWER CABLE for DVR-1000	1.5m 1pc 2422 070 00124	J	電源コード	
* 2004	AAX79660	POWER CABLE for DVR-1000	1.5m 1pc 2422 070 98151	RKAGFL	電源コード	
* 2005	AAX79950	POWER CABLE for DVR-1000	1.5m 1pc 2422 070 98242	RKAL	電源コード	
* 2006	AAX79940	POWER CABLE for DVR-1000	1.5m 1pc 2422 070 00094	RKAL	電源コード	
* 2007	AAX89490	VIDEO PIN CABLE	1P YE 1.5m 1pc 2422 076 00831		ビデオ用ピンケーブル	
		BATTERY	R6, AA, UM3 2pcs		単3乾電池	
		FOR NX-SW1000				
* 2010	VM885500	SYSTEM CONTROL CABLE	13P 4m LLM5335-4000FC		システム接続ケーブル	
* 2011	VM391000	POWER CABLE for NX-SW1000	2m 1pc	R	電源コード	
* 2011	VM641300	POWER CABLE for NX-SW1000	2m 1pc	K	電源コード	
* 2011	VM750900	POWER CABLE for NX-SW1000	2m 1pc	A	電源コード	
* 2011	V7704900	POWER CABLE for NX-SW1000	2m 1pc	L	電源コード	
		FOR NX-P1000				
* 2020	AAX88980	SPEAKER CABLE ASS'Y	4m 2pcs 468879		SPケーブルASS'Y	

* New Parts (新規部品)

● OVERALL ASS'Y

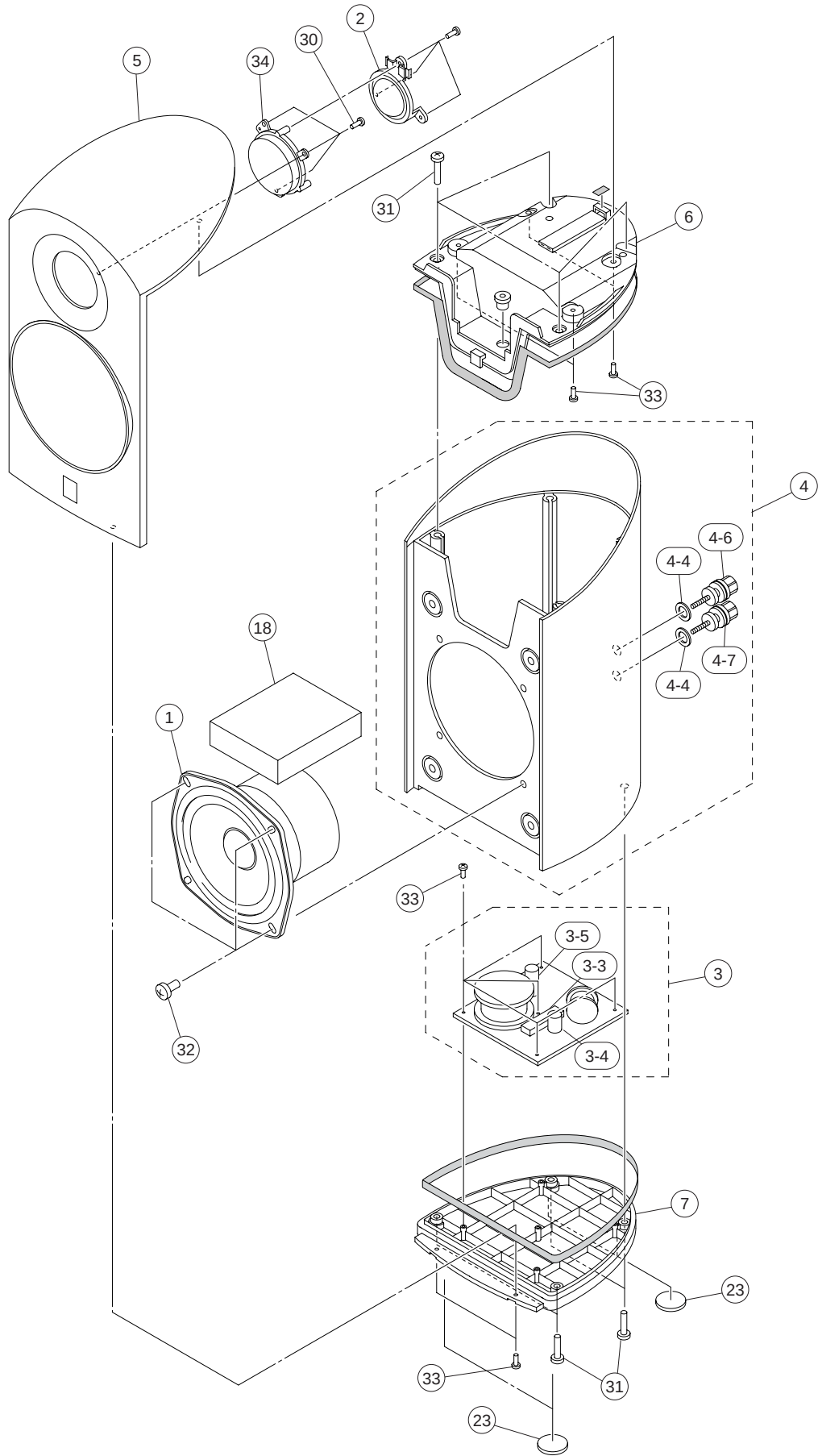


Ref. No.	Part No.	Description	Remarks	Markets	部品名	ランク
* 1-1	VM007300	FRONT PANEL SUB ASS'Y	with PANEL/GRILLE		Fパネルサブ A S S Y	
1-2	VC904800	EMBLEM			エンブレム	02
* 2-1	VM092200	P. C. B. ASS'Y	MAIN	J	P C B MAIN	
* 2-1	VM092400	P. C. B. ASS'Y	MAIN	RKAL	P C B MAIN	
* 2-1	VM092500	P. C. B. ASS'Y	MAIN	GF	P C B MAIN	
* 2-2	VM092700	P. C. B. ASS'Y	DSP		P C B D S P	
⚠ 2-4	X9495A00	POWER TRANSFORMER		J	電源トランス	
⚠ 2-4	X9497A00	POWER TRANSFORMER		RKAL	電源トランス	
⚠ 2-4	X9496A00	POWER TRANSFORMER		GF	電源トランス	
⚠ 2-5	VM057700	POWER CABLE	1.8m	J	電源コード	
⚠ 2-5	VM212300	POWER CABLE	2m	GF	電源コード	
2-6	V2438700	CORD STOPPER	10P1	J GF	コードストッパー	02
* 2-11	VM147100	REAR PANEL		J	リアパネル	09
* 2-11	VM147200	REAR PANEL		RKAL	リアパネル	
* 2-11	VM147500	REAR PANEL		GF	リアパネル	
* 2-18	VM140100	COVER DSP			カバー / D S P	
2-31	VF765200	PW HEAD S-TIGHT SCREW	4x8-10 MFZN2B3		PWヘッドSタイトネジ	01
2-32	VF774400	BI ND HEAD B-TIGHT SCREW	3x8 MFZN2B3		バインドBタイトネジ	01
2-33	VF774600	SCREW I C	3x18 MFZN2VB		スクリュー I C	01
2-34	VF002600	PW HEAD B-TIGHT SCREW	3x8 MFZN2VB		PWヘッドBタイトネジ	01
* 2-37	VM005600	PAN HEAD SCREW	2.6x6 MFZN2B3		ナベ小ネジ	
2-38	VF774100	BI ND HEAD BONDING B-T. SCREW	3x8 MFZN2B3		ボンディングBタイトネジ	01
2-39	VF774800	BI ND HEAD P-TIGHT SCREW	3x8 MFZN2VB	RKAL	バインドPタイトネジ	01
* 3	VM224900	CABINET ASS'Y			キャビネット A S S Y	
* 4	X9379A00	DRIVER WOOFER	16cm 6Ω	J A16B3	スピーカーユニット	
* 5	VM139900	REAR COVER			リアカバー	
* 6	VM179700	LEG			レッグ	01
* 7	VM727200	PAD	D25 t=2		パッド	
8	VC739000	BUSHING			ブッシュ	
21	VF459800	BI ND HEAD TAPPING SCREW	4x25 MFZN2B3		バインド T P ネジ	01

★ New Parts (新規部品)

● OVERALL ASS'Y

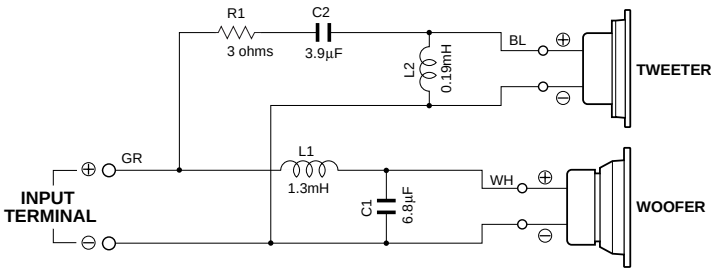
NX-P1000



Ref. No.	Part No.	Description	Remarks	Markets	部品名	ランク
* 1	X9488A00	DRI VER WOOFER	12cm 6Ω with CABLE	467388	スピーカーユニット	
* 2	X9489A00	DRI VER TWEE TER	2. 5cm 6Ω	467389	スピーカーユニット	
* 3	AAx89070	NETW ORK ASS' Y		469358	ネットワーク A S S Y	
* 3-3	AAx89150	C E M E N T RESI STOR	R1 3Ω 5W	473855	セメント抵抗	
* 3-4	AAx89030	E L E C T R O L Y T I C CAPAS I T O R	C2 3. 9uF 63V	468738	ケミコン	
* 3-5	AAx88970	E L E C T R O L Y T I C CAPAS I T O R	C1 6. 8uF 63V	468739	ケミコン	
* 4	AAx89020	C A B I N E T AL ASS' Y		470429	キャビネット A S S Y	
* 4-4	AAx89060	W A S H E R T E R M I N A L	D13. 5/9 t=2. 5	466787	ターミナルワッシャー	
* 4-6	AAx89040	S P E A K E R T E R M I N A L ASS' Y	RED	430484	スピーカー端子 A S S Y	
* 4-7	AAx89050	S P E A K E R T E R M I N A L ASS' Y	BLACK	430485	スピーカー端子 A S S Y	
* 5	AAx89120	F R O N T P A N E L ASS' Y	with G R I L L E / E M B L E M	470430	フロントパネル A S S Y	
* 6	AAx89000	C O V E R T O P ASS' Y	with T W C A B L E	470431	カバートップ A S S Y	
* 7	AAx89010	C O V E R B O T T O M ASS' Y		470432	カバーボトム A S S Y	
* 18	AAx89140	D A M P I N G M A T E R I A L ASS' Y	120x90x20	474135	防振材	
* 23	AAx89130	N O N S K I D P A D (F O O T)	D20 t=2	385076	滑り止めパッド	
* 30	AAx89090	B I N D H E A D P - T I G H T S C R E W	3x8 M F Z N 2 B 3	407446	バインド P タイトネジ	
* 31	AAx89080	B I N D H E A D B - T I G H T S C R E W	4x16 M F Z N 2 B 3	426567	バインド B タイトネジ	
* 32	AAx89110	B I N D H E A D S C R E W	5x8 M F Z N 2 B 3	422361	バインド小ネジ	
* 33	AAx89100	B I N D H E A D P - T I G H T S C R E W	3x12 M F Z N 2 B 3	421752	バインド P タイトネジ	
* 34	AAx88990	G R I L L E T W E E T E R ASS' Y		474136	T W グリル A S S Y	

★New Parts (新規部品)

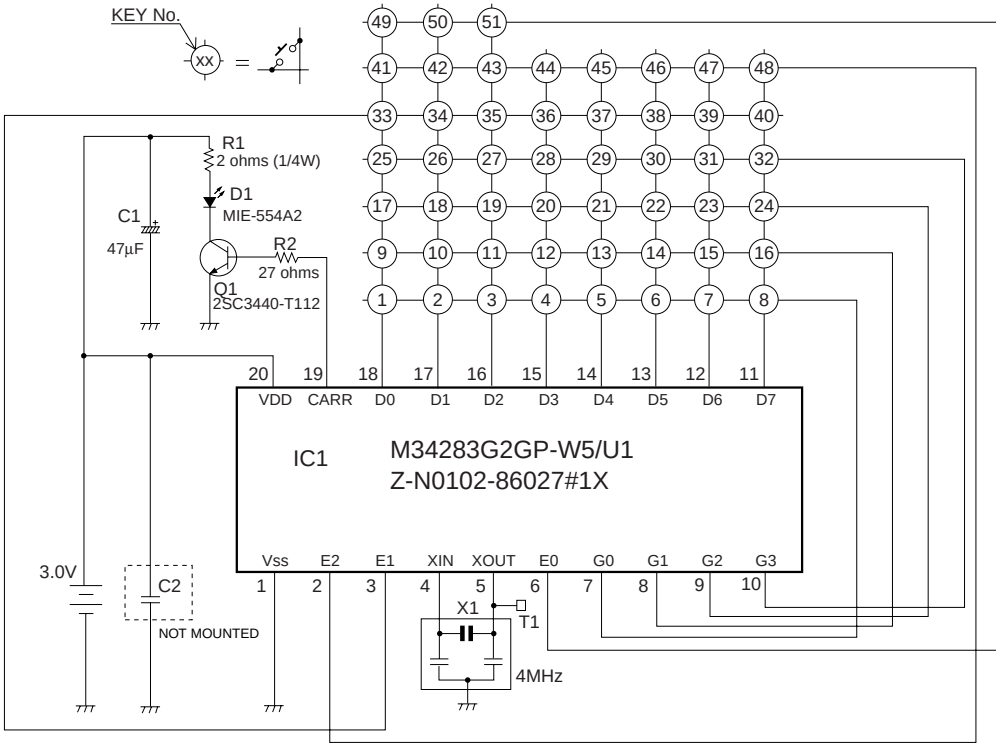
● NETWORK CIRCUIT DIAGRAM



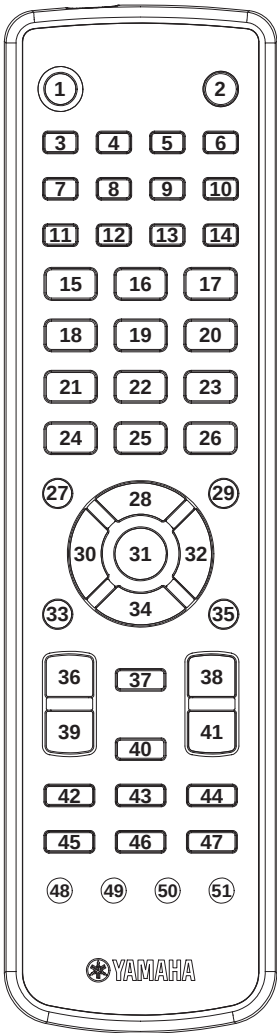
DVX-1000

REMOTE CONTROL

● SCHEMATIC DIAGRAM



● KEY NO. LAYOUT

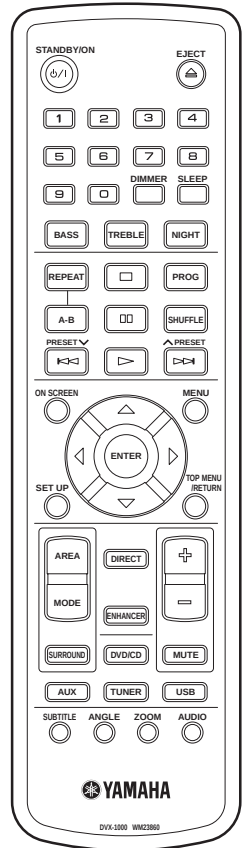


● KEY CODE

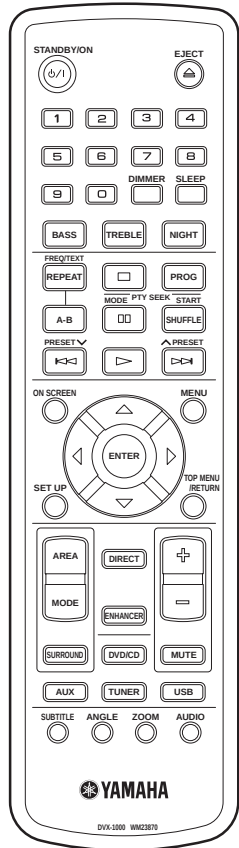
Key No.	Function	DVD/CD	TUNER	AUX	USB
		K43	K46	K45	K47
1	STANDBY/ON	78-0F	78-0F	78-0F	78-0F
2	EJECT	78-00	78-00	78-00	78-00
3	1	7C-94	78-11	—	—
4	2	7C-95	78-12	—	—
5	3	7C-96	78-13	—	—
6	4	7C-97	78-14	—	—
7	5	7C-98	78-15	—	—
8	6	7C-99	78-16	—	—
9	7	7C-9A	78-17	—	—
10	8	7C-9B	78-18	—	—
11	9	7C-9C	78-19	—	—
12	0	7C-93	78-10	—	—
13	DIMMER	78-BA	78-BA	78-BA	78-BA
14	SLEEP	78-4F	78-4F	78-4F	78-4F
15	BASS	78-A7	78-A7	78-A7	78-A7
16	TREBLE	78-A6	78-A6	78-A6	78-A6
17	NIGHT	78-8A	78-8A	78-8A	78-8A
18	REPEAT	7C-A3	7C-81	—	—
19	STOP	7C-85	78-B3	—	7C-85
20	PROG	7C-A0	78-B2	—	—
21	REPEAT A-B	7C-A4	—	—	—
22	PAUSE	7C-83	78-82	—	7C-83
23	RANDOM	7C-A1	78-83	—	7C-A1
24	SKIP (—)	7C-B9	78-1C	—	7C-B9
25	PLAY	7C-82	—	—	7C-82
26	SKIP (+)	7C-BA	78-1B	—	7C-BA
27	ON SCREEN	7C-A6	—	—	—
28	CURSOR UP	7C-B4	78-B1	—	7C-B4
29	MENU	7C-B2	—	—	—
30	CURSOR LEFT	7C-B5	78-A9	—	7C-B5
31	CURSOR ENTER	7C-B8	—	—	7C-B8
32	CURSOR RIGHT	7C-B6	78-AA	—	7C-B6
33	SET UP	7C-AC	—	—	—
34	CURSOR DOWN	7C-B3	78-B0	—	7C-B3
35	TOP MENU/RETURN	7C-B1	—	—	—
36	AREA	78-21	78-21	78-21	78-21
37	DIRECT	78-50	78-50	78-50	78-50
38	VOLUME (+)	78-1E	78-1E	78-1E	78-1E
39	MODE	78-22	78-22	78-22	78-22
40	ENHANCER	78-CB	78-CB	78-CB	78-CB
41	VOLUME (—)	78-1F	78-1F	78-1F	78-1F
42	SURROUND	78-C6	78-C6	78-C6	78-C6
43	DVD/CD	78-4A	78-4A	78-4A	78-4A
44	MUTE	78-9C	78-9C	78-9C	78-9C
45	AUX	78-DE	78-DE	78-DE	78-DE
46	TUNER	78-4B	78-4B	78-4B	78-4B
47	USB	78-BC	78-BC	78-BC	78-BC
48	SUBTITLE	7C-AA	—	—	—
49	ANGLE	7C-AE	—	—	—
50	ZOOM	7C-D7	—	—	—
51	AUDIO	7C-AD	—	78-A5	—

● PANELS

▼ R, K, A, L models



▼ G, F models



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