

STR-K670P

SERVICE MANUAL

Ver. 1.4 2006.12

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model*



- STR-K670P is the tuner and the amplifier section in HT-DDW670 and HTP-32DW/82DWK.

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(Models of area code US only)

With 6 ohm loads, both channels driven, from 120 – 20,000 Hz; rated 60 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Power Output¹⁾

Models of area code US

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 100 W/ch

CENTER²⁾: 100 W

SURR²⁾: 100 W/ch

(6 ohms 100 Hz, THD 10%)

SUB WOOFER²⁾: 100 W

Models of area code CND

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 60 W/ch

CENTER²⁾: 60 W

SURR²⁾: 60 W/ch

(6 ohms 100 Hz, THD 0.7%)

SUB WOOFER²⁾: 60 W

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 100 W/ch

CENTER²⁾: 100 W

SURR²⁾: 100 W/ch

(6 ohms 100 Hz, THD 10%)

SUB WOOFER²⁾: 100 W

Models of area code AEP, UK, RU, MX, SP, SP6, E51, AR

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 50 W/ch

CENTER²⁾: 50 W

SURR²⁾: 50 W/ch

(6 ohms 100 Hz, THD 0.7%)

SUB WOOFER²⁾: 50 W

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 85 W/ch

CENTER²⁾: 85 W

SURR²⁾: 85 W/ch

(6 ohms 100 Hz, THD 10%)

SUB WOOFER²⁾: 85 W

Models of area code AUS

(6 ohms 120 Hz – 20 kHz, THD 0.09%)

FRONT²⁾: 40 W/ch

CENTER²⁾: 40 W

SURR²⁾: 40 W/ch

(6 ohms 100 Hz, THD 0.09%)

SUB WOOFER²⁾: 40 W

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 50 W/ch

CENTER²⁾: 50 W

SURR²⁾: 50 W/ch

(6 ohms 100 Hz, THD 0.7%)

SUB WOOFER²⁾: 50 W/ch

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 85 W/ch

CENTER²⁾: 85 W

SURR²⁾: 85 W/ch

(6 ohms 100 Hz, THD 10%)

SUB WOOFER²⁾: 85 W

– Continued on next page –

FM STEREO FM-AM RECEIVER

1) Measured under the following conditions:	
Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP, UK, RU, SP, SP6, AR	230 V AC, 50 Hz
AUS, E51	240 V AC, 50 Hz
MX	127 V AC, 60 Hz
2) Depending on the sound field settings and the source, there may be no sound output.	
Inputs (Analog)	
SA-CD/CD, DVD VIDEO 1, 2	Sensitivity: 800 mV Impedance: 50 k ohms
Inputs (Digital)	
DVD (Coaxial)	Sensitivity: – Impedance: 75 ohms
SA-CD/CD (Optical)	Sensitivity: – Impedance: –
Output (Analog)	
SUB WOOFER	Voltage: 2 V Impedance: 1 k ohm
Reproduction frequency range:	
	28 – 20,000 Hz
Tone	
Gain levels	±6 dB, 1 dB step
FM tuner section	
Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz
AM tuner section	
Tuning range	
Models of area code US, CND	
With 10-kHz tuning scale: 530 - 1,710 kHz ³⁾	
With 9-kHz tuning scale: 531 - 1,710 kHz ³⁾	
Models of area code AEP, UK, RU, AUS, SP, SP6	
With 9-kHz tuning scale: 531 – 1,602 kHz	
Models of area code E51	
With 10-kHz tuning scale: 530 - 1,610 kHz ³⁾	
With 9-kHz tuning scale: 531 - 1,602 kHz ³⁾	
Models of area code MX, AR	
With 10-kHz tuning scale: 530 - 1,610 kHz	
Antenna	Loop antenna
Intermediate frequency	450 kHz
3) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down PRESET TUNING + or TUNING +, press I/⏏. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.	

General	
Power requirements	
Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP, UK, RU	230 V AC, 50/60 Hz
AUS	240 V AC, 50 Hz
E15	120/220/240 V AC, 50/60 Hz
SP, SP6, AR	220 – 230 V AC, 50/60 Hz
MX	127 V AC, 60 Hz
Power consumption	
Area code	Power consumption
US, AEP, UK, E51, AR, SP, SP6, MX, AUS, RU	160 W
CND	220 VA
Power consumption (during standby mode)	
0.2 W	
Dimensions (w/h/d) (Approx.)	
430 × 145 × 301.5 mm	
(17 × 5 6/8 × 11 7/8 inches)	
including projecting parts and controls	
Mass (Approx.)	
6.5 kg (14 lb 6 oz)	
• Abbreviation	
AR : Argentina model	
AUS : Australian model	
CND : Canadian model	
E51 : Chilean and Peruvian models	
MX : Mexican model	
RU : Russian model	
SP : Singapore model	
SP6 : Singapore and Malaysia models	
Design and specifications are subject to change without notice	

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

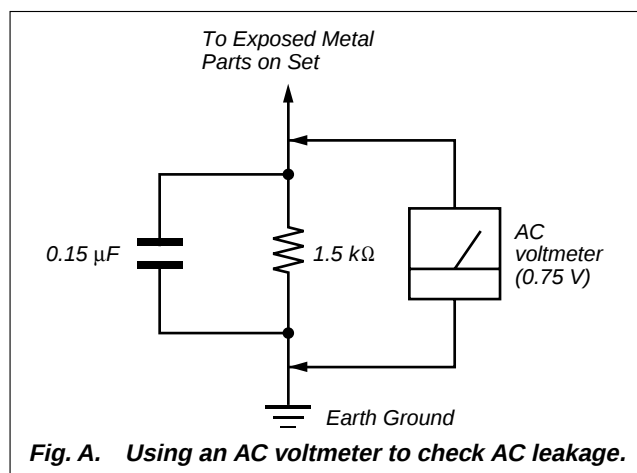
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.

Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)



LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time. Soldering irons using a temperature regulator should be set to about 350 °C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

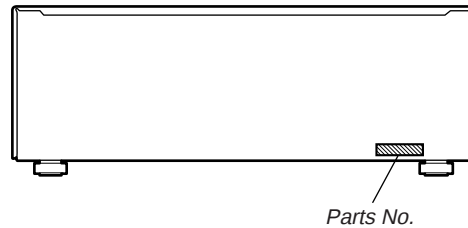
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE Δ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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MODEL IDENTIFICATION – BACK PANEL –



Model	Part No.
US model	2-342-334-0□
CND model	2-342-334-1□
AUS model	2-342-334-2□
SP, SP6 models	2-342-334-3□
MX model	2-342-334-4□
E51 model	2-342-334-5□
AEP, UK and RU models	2-342-334-8□
AR model	2-348-134-1□

- Abbreviation
 - AR : Argentina mdell
 - AUS : Australian model
 - CND : Canadian model
 - E51 : Chilean and Peruvian models
 - MX : Mexican model
 - RU : Russian model
 - SP : Singapore model
 - SP6 : Singapore and Malaysia models

SERVICING NOTE

Note on replacement POWER AMPLIFIER IC

There are two kinds of sets by POWER AMPLIFIER IC (IC501, IC601, IC701: on MAIN board) used with this model.

Type1 : 6-700-943-01 IC uPC2581V-S
Type2 : 6-600-450-01 IC STK350-530-E

As for the set of type1 and type2, the parts on the Main board in the table below are different.

When repairing, please confirm the type name printed on IC at the beginning and use the parts corresponded to the table below.

Ref. No.	Type1 : uPC2581V-S	Type2 : STK350-530-E	Wiring Board Location
C503	1-128-813-11 CERAMIC 220PF 5% 50V	1-128-809-11 CERAMIC 100PF 5% 50V	C-4
C553	1-128-813-11 CERAMIC 220PF 5% 50V	1-128-809-11 CERAMIC 100PF 5% 50V	C-4
C603	1-128-813-11 CERAMIC 220PF 5% 50V	1-128-809-11 CERAMIC 100PF 5% 50V	C-5
C653	1-128-813-11 CERAMIC 220PF 5% 50V	1-128-809-11 CERAMIC 100PF 5% 50V	C-5
C703	1-128-813-11 CERAMIC 220PF 5% 50V	1-128-809-11 CERAMIC 100PF 5% 50V	D-3
C753	1-128-813-11 CERAMIC 220PF 5% 50V	1-128-809-11 CERAMIC 100PF 5% 50V	D-3
IC501	6-700-943-01 IC uPC2581V-S	6-600-450-01 IC STK350-530-E	C-4
IC601	6-700-943-01 IC uPC2581V-S	6-600-450-01 IC STK350-530-E	C-5
IC701	6-700-943-01 IC uPC2581V-S	6-600-450-01 IC STK350-530-E	D-2
R500	1-247-863-91 CARBON 22K 5% 1/4W	1-247-871-91 CARBON 47K 5% 1/4W	C-5
R600	1-247-863-91 CARBON 22K 5% 1/4W	1-247-871-91 CARBON 47K 5% 1/4W	C-6
R700	1-247-863-91 CARBON 22K 5% 1/4W	1-247-871-91 CARBON 47K 5% 1/4W	D-3
R858	JUMPER (EXCEP E51, MX)	1-216-453-00 METAL OXIDE 270 5% 2W (EXCEP E51, MX)	D-7
	1-216-452-11 RES, METAL OXIDE FILM 180 (E51)	1-215-889-00 METAL OXIDE 330 5% 2W (E51)	
	JUMPER (MX)	1-215-888-00 METAL OXIDE 220 5% 2W (MX)	
R859	1-215-889-00 METAL OXIDE 330 5% 2W (EXCEP E51, MX)	1-215-888-00 METAL OXIDE 220 5% 2W	D-6
	1-215-888-00 METAL OXIDE 220 5% 2W (E51)		
	1-216-453-00 METAL OXIDE 270 5% 2W (MX)		

SECTION 1 GENERAL

This section is extracted
from instruction manual.

Main unit

ALPHABETICAL ORDER

A - H

A.F.D. **[9]** (25, 26, 27)
AM **[16]** (18, 19, 32, 41)
DIMMER **[3]** (23)
DISPLAY **[2]** (21, 23, 39)
Display **[5]** (21, 23)
DVD **[19]** (18)
ENTER **[7]** (14, 32)
FM **[17]** (18, 19, 32, 41)
FM MODE **[25]** (19)

I - O

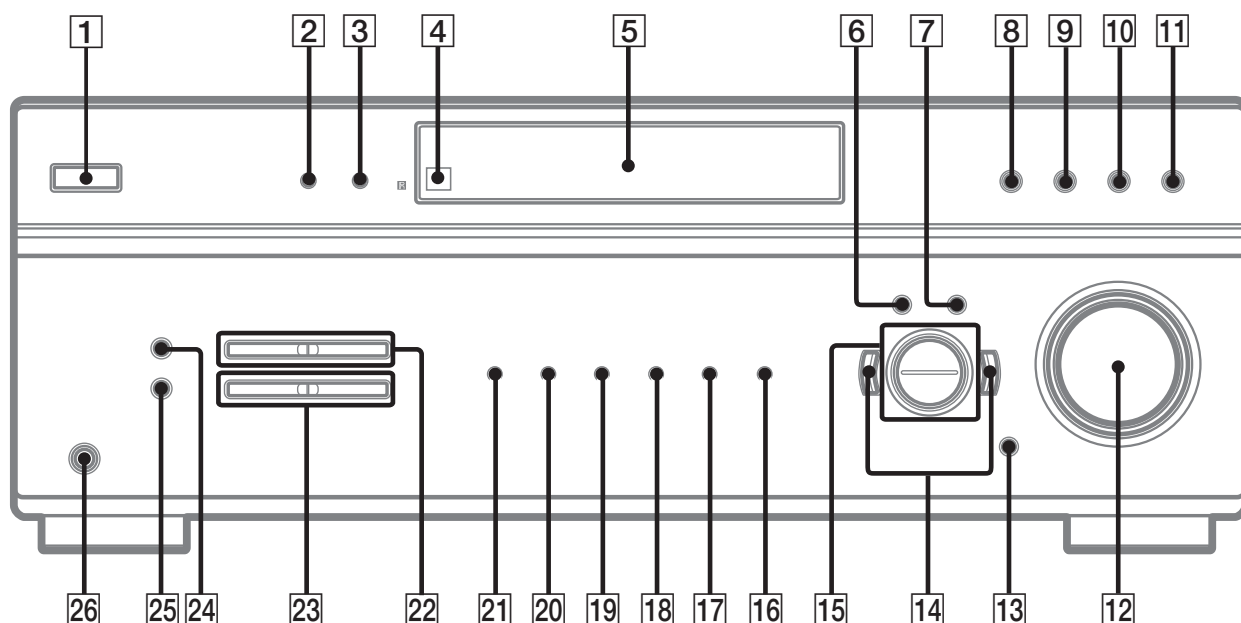
INPUT MODE **[13]** (28)
IR (receptor) **[4]** (33, 39)
MAIN MENU **[6]** (15, 28, 30, 32)
MASTER VOLUME $\pm$ **[12]** (14, 17, 18, 38)
MEMORY **[24]** (20)
MOVIE **[10]** (26, 27, 38)
MUSIC **[11]** (27, 38)

P - Z

PHONES (jack) **[26]** (18, 38)
PRESET TUNING $\pm$ **[22]** (20)
SA-CD/CD **[18]** (18)
TUNING $\pm$ **[23]** (19)
VIDEO 1 **[21]** (18)
VIDEO 2 **[20]** (18)

NUMBERS AND SYMBOLS

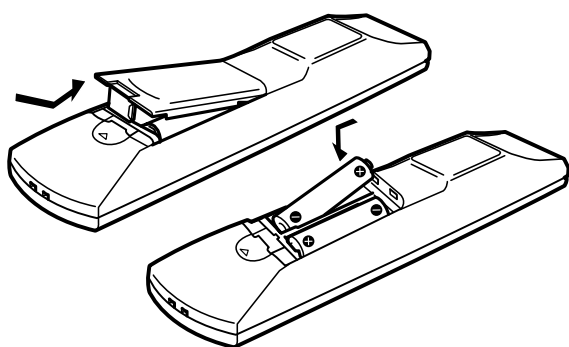
2CH **[8]** (25, 27, 29)
I/⏻ (power) **[1]** (14, 20, 29)
</> **[14]** (15, 28, 30, 32)
 $\pm$ **[15]** (15, 28, 30, 32)



Before you use your remote

Inserting batteries into the remote

Insert R6 (size-AA) batteries with the + and – properly oriented in the battery compartment. When using the remote, point it at the remote sensor  on the receiver.



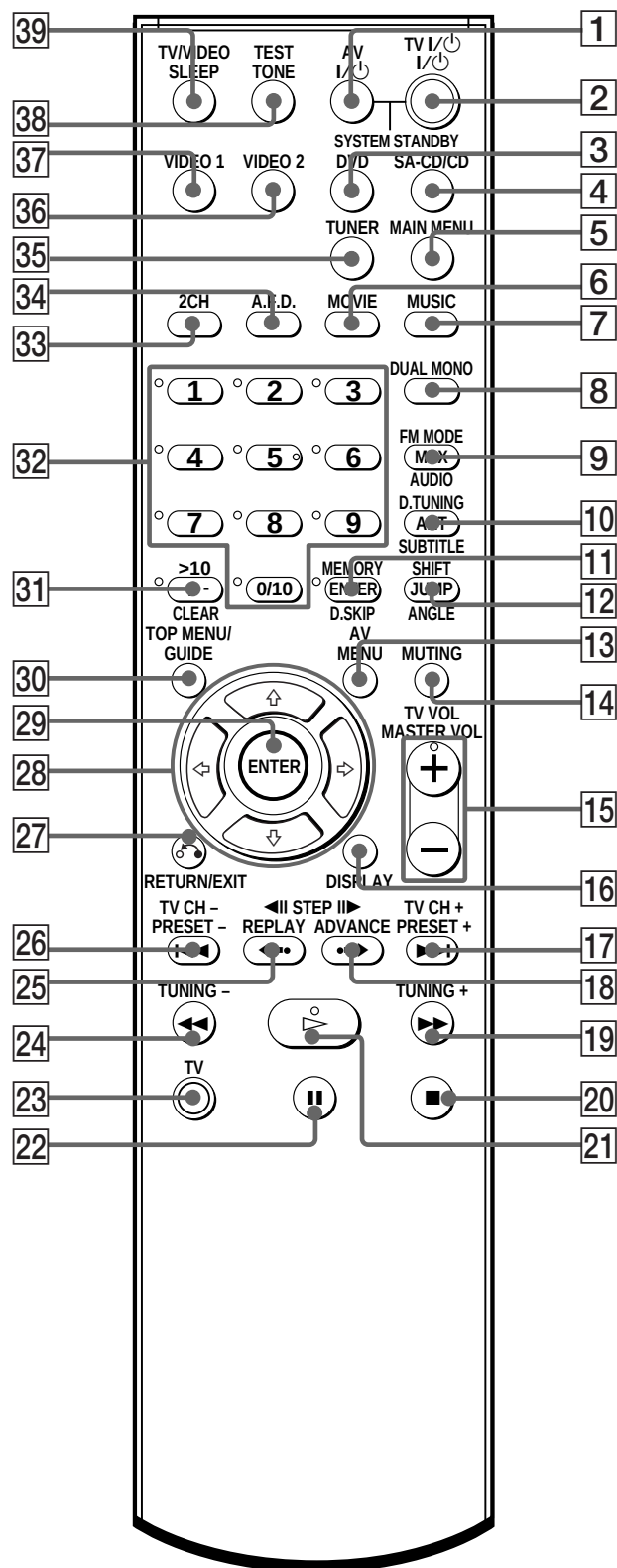
Tip

Under normal conditions, the batteries should last for about 6 months. When the remote no longer operates the receiver, replace all batteries with new ones.

Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Remote button description



The tables below show the settings of each button.

Remote Button	Operations	Function
A.F.D. [34]	Receiver	Selects the decoding mode for audio sound.
ANGLE [12]	DVD player	Selects viewing angle or changes the angles.
ANT [10]	VCR/ Satellite tuner	Selects output signal from the antenna terminal: TV signal or VCR program.
AUDIO [9]	DVD player/ Satellite tuner	Changes the sound to Multiplex or Bilingual or Multi channel TV sound.
AV MENU [13]	VCR/ DVD player/ Satellite tuner	Displays menu.
AV I/II [1]	VCR/ CD player/ DVD player/ Satellite tuner/ MD deck	Turns the audio and video components on or off.
CLEAR [31]	DVD player/ Satellite tuner	Clears a mistake when you press the incorrect numeric buttons or returns to continuous playback etc.
DISPLAY [16]	Receiver/ CD player/ VCR/ DVD player/ Satellite tuner/ MD deck	Selects information displayed on the TV screen.
D.SKIP [11]	CD player/ DVD player	Skips discs (multi-disc changer only).
D.TUNING [10]	Receiver	Enters direct tuning mode.
DUAL MONO [8]	Receiver	Selects the language you want during digital broadcast.
DVD [3]	Receiver	To watch DVD.
ENTER [11]	TV/VCR/ Satellite tuner	After selecting a channel, disc or track using the numeric buttons, press to enter the value.

Remote Button	Operations	Function
ENTER [29]	Receiver/ VCR/ DVD player/ Satellite tuner/ CD player/ MD deck	Enters the selection.
FM MODE [9]	Receiver	Selects FM monaural or stereo reception.
JUMP [12]	Satellite tuner	Toggles between the previous and the current channels.
MAIN MENU [5]	Receiver	Selects the menu of the receiver.
MASTER VOL +/- [15]	Receiver/TV	Adjusts the master volume of the receiver.
MEMORY [11]	Receiver	Stores the radio stations.
MOVIE [6]	Receiver	Selects the pre-programmed sound fields for movie.
MPX [9]	VCR	Select main or sub language.
MUSIC [7]	Receiver	Selects the pre-programmed sound fields for music.
MUTING [14]	Receiver	Mutes the sound from the receiver.
PRESET +/- [17][26]	Receiver	Selects preset stations.
	TV/VCR/ Satellite tuner	Select preset channel.
RETURN/EXIT [27]	DVD player	Returns to the previous menu or exits the menu.
	Satellite tuner	Exits the menu.
SA-CD/CD [4]	Receiver	To listen to Super Audio CD or compact disc.
SHIFT [12]	Receiver	Selects a memory page for presetting radio stations or tuning to preset stations.

Remote Button	Operations	Function
SLEEP [39]	Receiver	Activates the sleep function and the duration which the receiver turns off automatically.
SUBTITLE [10]	DVD player	Changes the subtitles.
SYSTEM STANDBY (Press AV [1] and [2] at the same time)	Receiver/ TV/VCR/ CD player/ DVD player/ Satellite tuner/ MD deck/ DAT deck	Turns off the receiver and other Sony audio/video components.
TEST TONE [38]	Receiver	Outputs test tone.
TOP MENU/ GUIDE [30]	DVD player Satellite tuner	Displays DVD title. Display guide menu.
TUNER [35]	Receiver	To listen to radio programs.
TUNING+/- [19] [24]	Receiver	Scans radio station.
TV [23]	TV	To watch TV programs.
TV CH +/- [17] [26]	TV	Selects preset TV channels.
TV/VIDEO [39]	TV	Selects input signal: TV input or video input.
TV VOL +/- [15]	TV	Adjusts the volume of the TV.
TV I/⏻ [2]	TV	Turns the TV on or off.
VIDEO 1 [37]	Receiver	To watch VCR. (VTR mode 3)
VIDEO 2 [36]	Receiver	To watch VCR. (VTR mode 1)

Remote Button	Operations	Function
1-9 and 0/10 [32]	Receiver	Use with SHIFT to preset radio station or tuning to preset stations and with D.TUNING for direct tuning.
	CD player/ DVD player/ MD deck	Selects track numbers. 0/10 selects track 10.
	TV/ VCR/ Satellite tuner	Selects channel numbers.
2CH [33]	Receiver	Selects 2CH STEREO mode.
>10 [31]	VCR/ CD player/ DVD player/ Satellite tuner/ MD deck	Selects track numbers over 10.
-/-- [31]	TV	Selects the channel entry mode, either one or two digit.
I/⏻ [2]	Receiver	Turns the receiver on or off.
◀ STEP ▶ REPLAY ◀•/ ADVANCE •→ [25] [18]	VCR/ DVD player	Replay the previous scene or fast forward the current scene.
◀◀/▶▶ [26] [17]	VCR/ CD player/ DVD player	Skips tracks.
◀◀/▶▶ [24] [19]	DVD player	Searches tracks in the forward or backward direction.
	VCR/ CD player/ MD deck/ Tape deck	Fastforwards or rewinds.
▶ [21]	VCR/ CD player/ DVD player/ MD deck/ Tape deck	Starts playback.

Remote Button	Operations	Function
 22	VCR/ CD player/ DVD player/ MD deck/ Tape deck	Pauses playback or recording. (Also starts recording with components in recording standby.)
 20	VCR/ CD player/ DVD player/ MD deck/ Tape deck	Stops playback.
 27	DVD player	Returns to the previous menu or exits the menu.
 28	Receiver	Selects a menu item.
 28	Receiver	Adjusts or changes the setting.
 28	VCR/ Satellite tuner/ DVD player	Selects a menu item.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component the above operation may not be possible or may operate differently than described.
- When you press input buttons (VIDEO 1, VIDEO 2 or DVD), the input mode of the TV might not switch to the corresponding input mode that you want. In this case, press TV/VIDEO button to switch the input mode of the TV.
- To activate the buttons with orange printing, press TV and the button you want simultaneously.

Changing the factory setting of an input button

If the factory settings of the input buttons do not match your system components, you can change them. For example, if you have a CD player and you do not have a DVD player, you can assign the DVD button to your CD player.

- 1 Hold down the input button whose input you want to change (for example, DVD).**
- 2 Press the corresponding button of the component you want to assign to the input button (for example, 5 – CD player).**

The following buttons are assigned to select the input:

To operate	Press
VCR (command mode VTR 3*)	1
VCR (command mode VTR 2*)	2
DVD player or DVD recorder (command mode DVD 1)	3
DVD recorder (command mode DVD 3)	4
CD player	5
MD deck	6
Tape deck B	7
Tuner (this receiver)	8
DSS (Digital Satellite Receiver)	9
DCS (Digital CS Tuner)	0/10
BSD (Digital BS Tuner)	-/--

*Sony VCRs are operated with a VTR 2 or 3 setting. These correspond to 8 mm and VHS respectively.

Now you can use the DVD button to control the CD player.

To reset a button to its factory setting

Repeat the above procedure.

To reset all the input buttons to their factory setting

Press , TEST TONE and MASTER VOL – at the same time.

SECTION 2 TEST MODE

FACTORY PRESET MODE

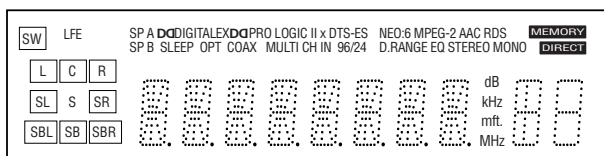
- All preset contents are reset to the default setting.
- Procedure:
While depressing the **PRESET TUNING-** and the **DIMMER** buttons simultaneously, press the power **I/O** button to turn on the main power. The message “FACTORY” appears and switch off the set.
While depressing the **PRESET TUNING-** and the **DIMMER** buttons simultaneously, press the power **I/O** button again. The message “FACTORY” appears and the present contents are reset to the default values.

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

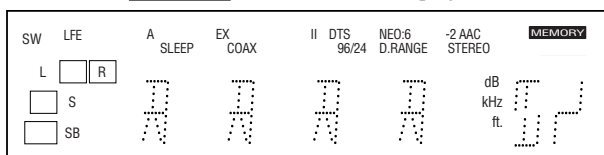
- Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
- Procedure:
Set the FUNCTION to AM. Turn off the main power.
While depressing the **TUNING+** button or the **PRESET TUNING+** button, press the power **I/O** button to turn on the main power. Either the message “9 k STEP” or “10 k STEP” appears. Select the desired step.
This mode is only for US, Canadian, Australian and E models.

FLUORESCENT INDICATOR TUBE TEST MODE

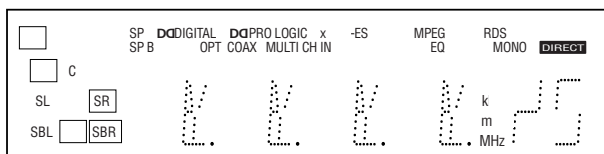
- All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.
 - Procedure:
While depressing the **PRESET TUNING-** and the **AM** buttons simultaneously, press the power **I/O** button to turn on the main power.
- All segments turn on.



- Press the **VIDEO 1** button, confirm display.



- Press the **VIDEO 1** button, confirm display



- Press the **VIDEO 1** button, All segments turn off.
- Every pressing of the **VIDEO 1** button turns on each segment one after another in the same order.
(Not only the **VIDEO 1** button, but also the other buttons such as **VIDEO 2**, **DVD**, **SA-CD/CD**, **FM** and **AM** can be used.)

SOUND FIELD CLEAR MODE

- The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
- Procedure:
While depressing the **2CH** button, press the power **I/O** button to turn on the main power.
The message “SF. CLR.” appears and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

- The software version is displayed.
- Procedure:
While depressing the **PRESET TUNING-** and the **<** buttons simultaneously, press the power **I/O** button to turn on the main power. The model name, destination and the software version are displayed.

KEY CHECK MODE

- Button check
- Procedure:
While depressing the **A.F.D** and the **<** buttons simultaneously, press the power **I/O** button to turn on the main power.
“REST 25” appears.
Every pressing of any button other than **I/O** counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed “REST 00” appears.
When **MASTER VOLUME** is rotated in clockwise direction, “VOL MIN”, “VOL 1” to “VOL 48”, “VOL MAX” appear.

AUTO BETICAL MODE

- This mode is installed in the Europe models only. When this mode is used, the receiver scans the broadcasts that can be received by the tuner, and sets up the broadcasts. Be sure to start scanning after connecting the antenna.
- Procedure:
 - Check that the antenna is connected.
 - Press the **I/O** button to turn on the power while pressing the **MEMORY** button.

CHANGE COMMON MODE

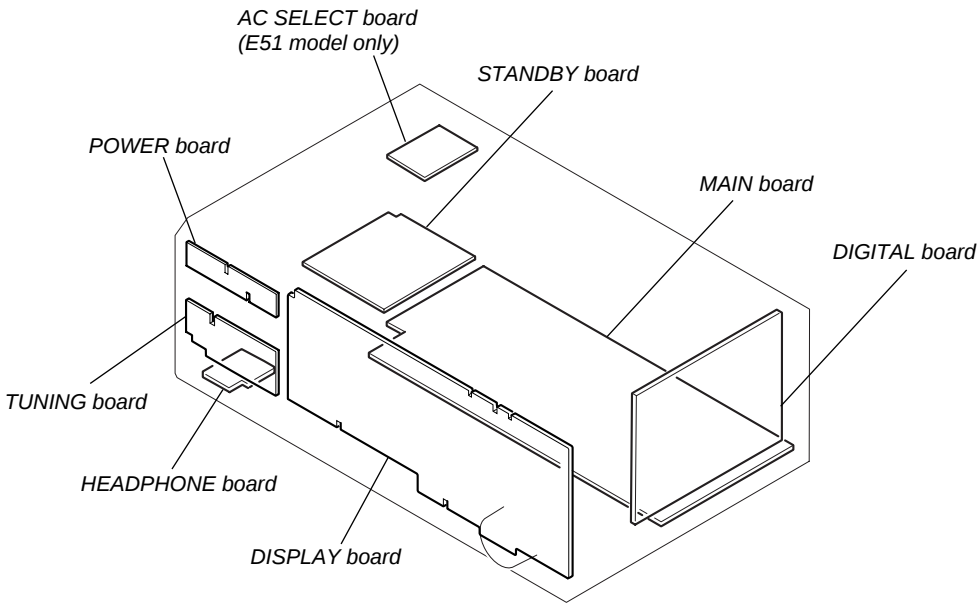
- This mode is command mode changed to AV 1 or AV2.
- Procedure:
While depressing the **ENTER** button, press the power **I/O** button to turn on the main power.
Either the message “C.MODE.AV 1” or “C.MODE.AV 2” appears.

SHIPMENT MODE

- All preset contents are reset to the default setting.
- Procedure:
While depressing the **A.F.D** and the **AM** buttons simultaneously, press the power **I/O** button to turn on the main power.
“CLEARED” appears.

SECTION 3
DIAGRAMS

• Circuit Boards Location



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Schematic Diagrams.

Note:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

Note:

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

Note:

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

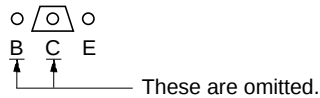
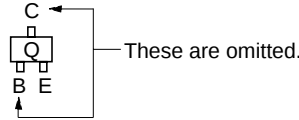
-  : B+ Line.
-  : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. No mark : FM
- Voltages are taken with a VOM (Input impedance $10\text{ M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 -  : FM
 -  : ANALOG
 -  : DIGITAL
- Abbreviation
 - AR : Argentina model
 - AUS : Australian model
 - CND : Canadian model
 - E51 : Chilean and Peruvian models
 - MX : Mexican model
 - RU : Russian model
 - SP : Singapore model
 - SP6 : Singapore and Malaysia models

For Printed Wiring Boards.

Note:

-  : parts extracted from the component side.
-  : Through hole.
-  : internal component.
-  : Pattern from the side which enables seeing.

- Indication of transistor.

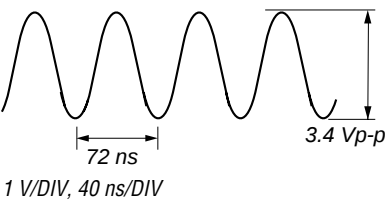


Caution:
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: Parts on the parts face side seen from the parts face are indicated.

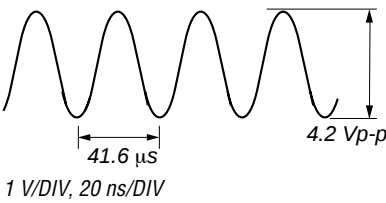
• Waveforms

– DIGITAL Board –

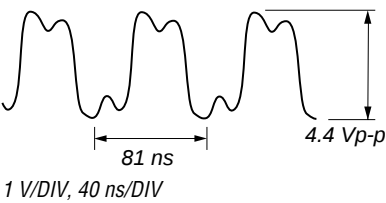
① IC1501 ⑨ (MCLK1)



② IC1101 ⑧ (X1)



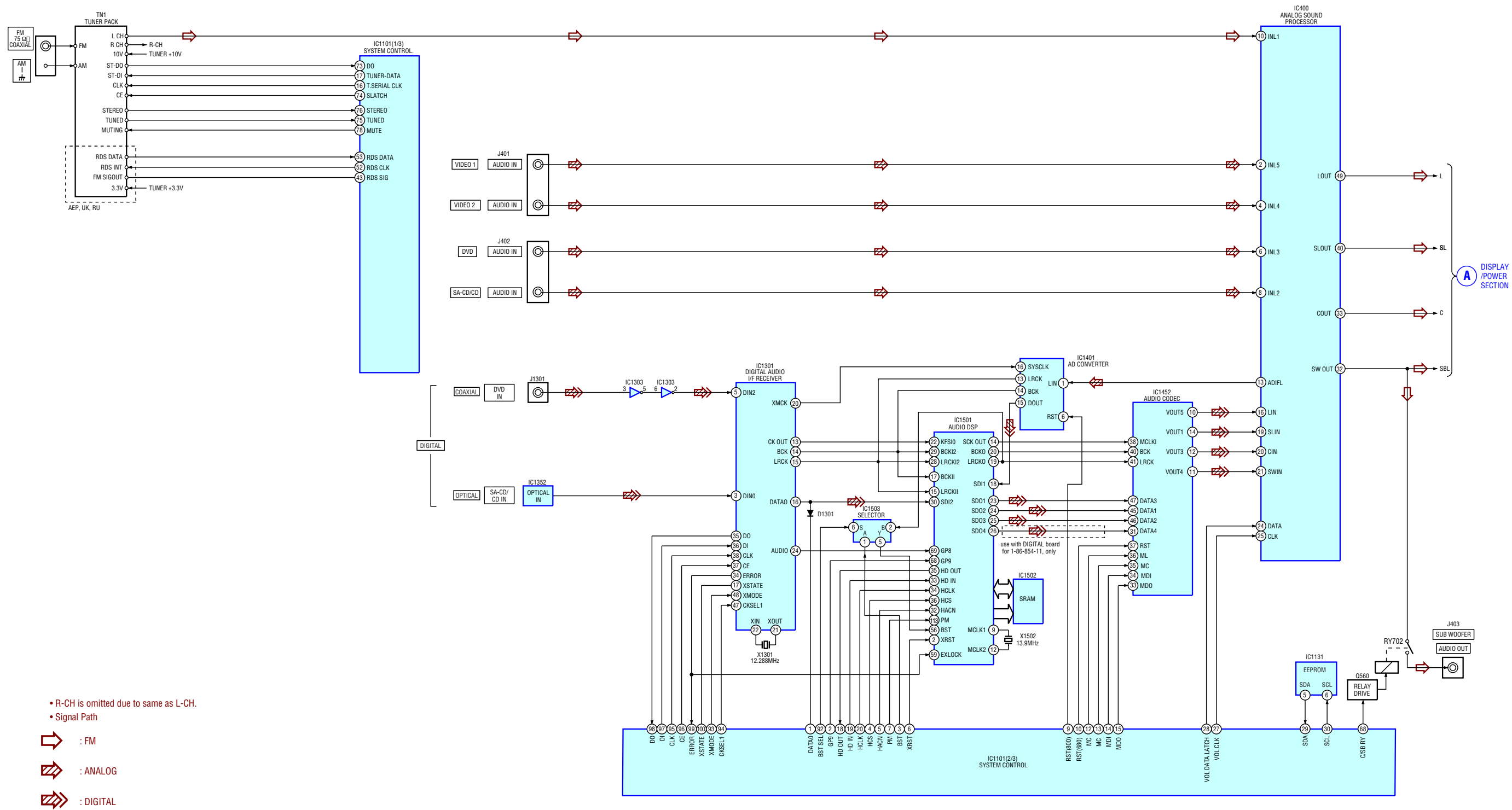
③ IC1301 ② (XIN)



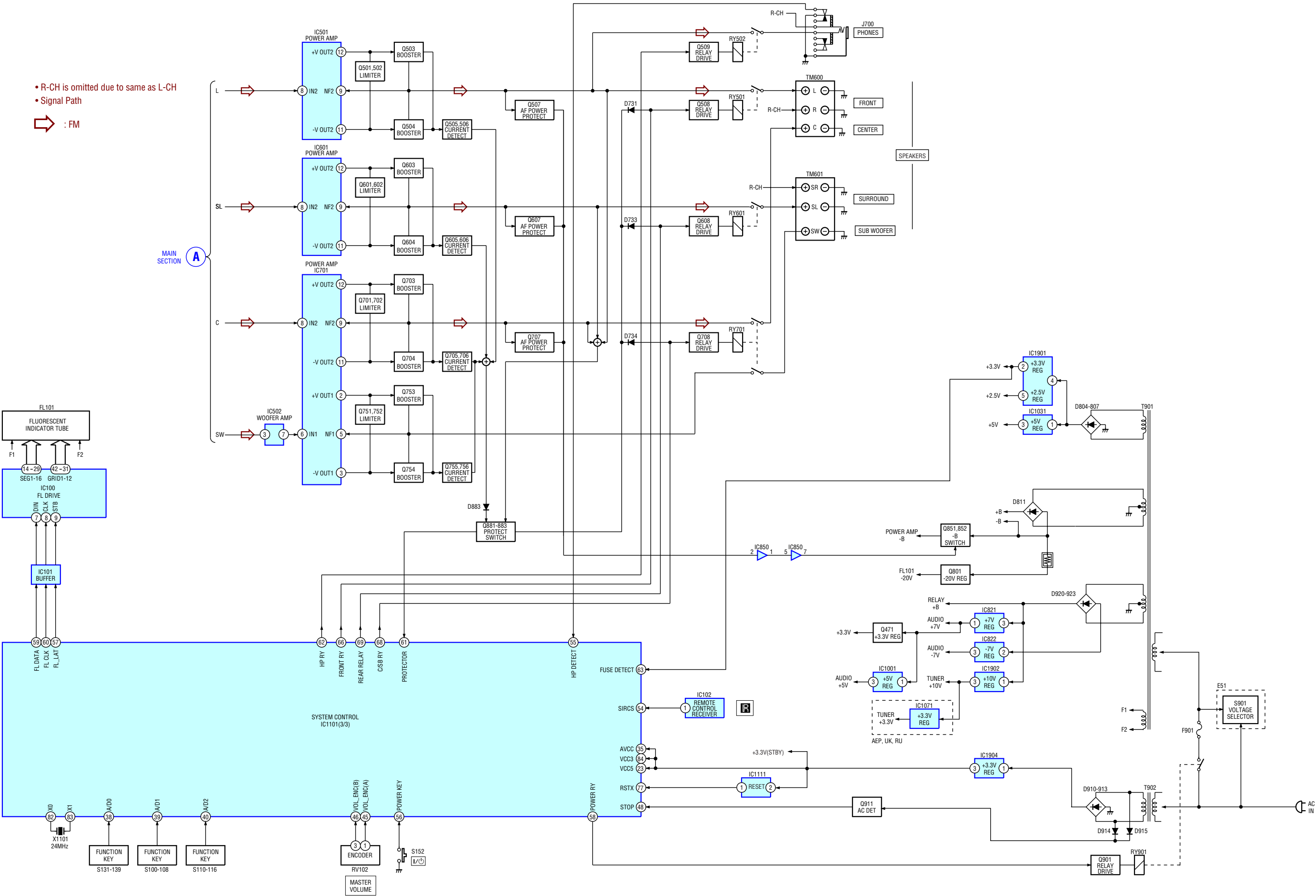
STR-K670P

Ver. 1.2

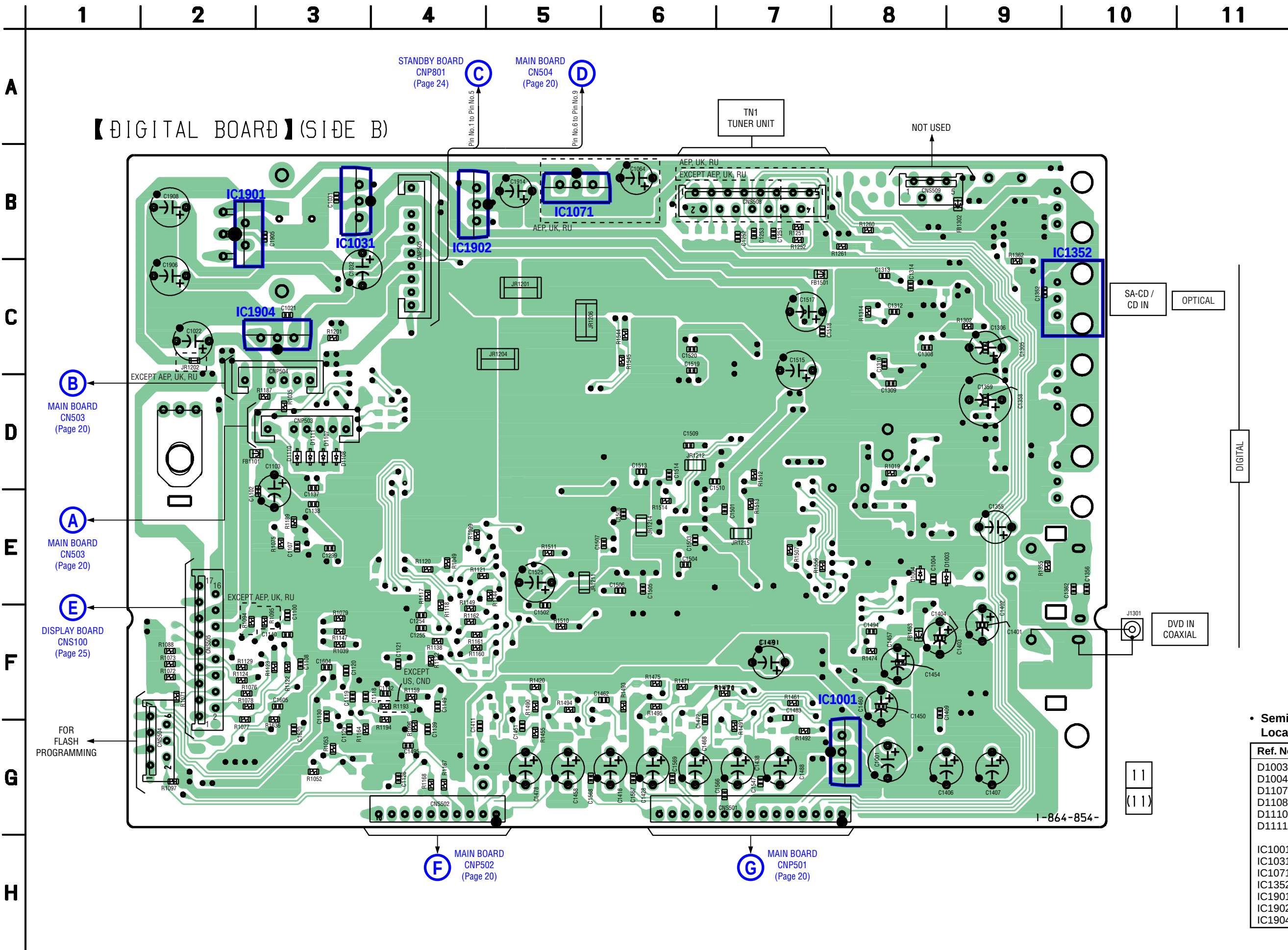
3-1. BLOCK DIAGRAM — MAIN SECTION —

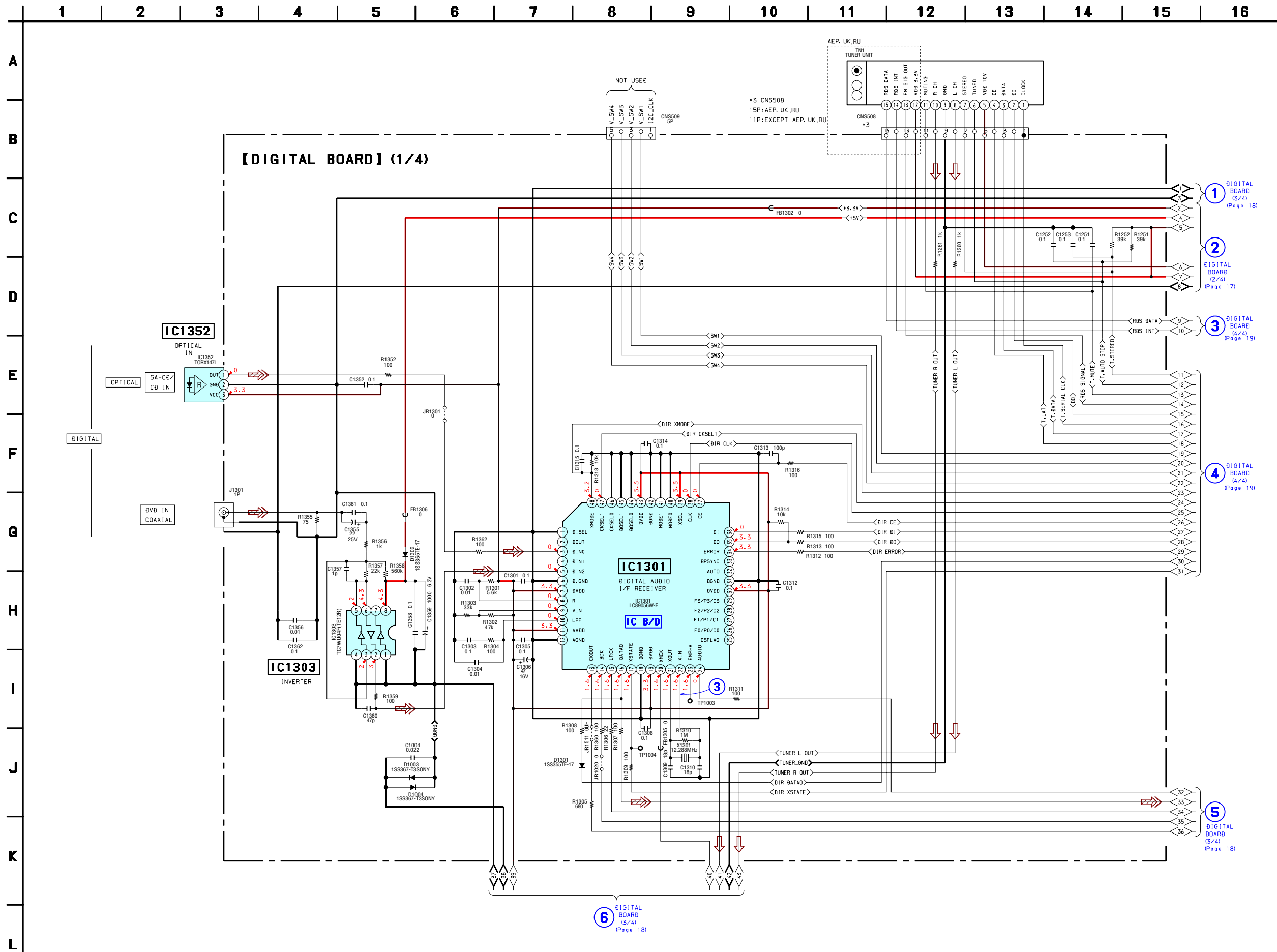


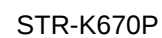
3-2. BLOCK DIAGRAM — DISPLAY/POWER SECTION —

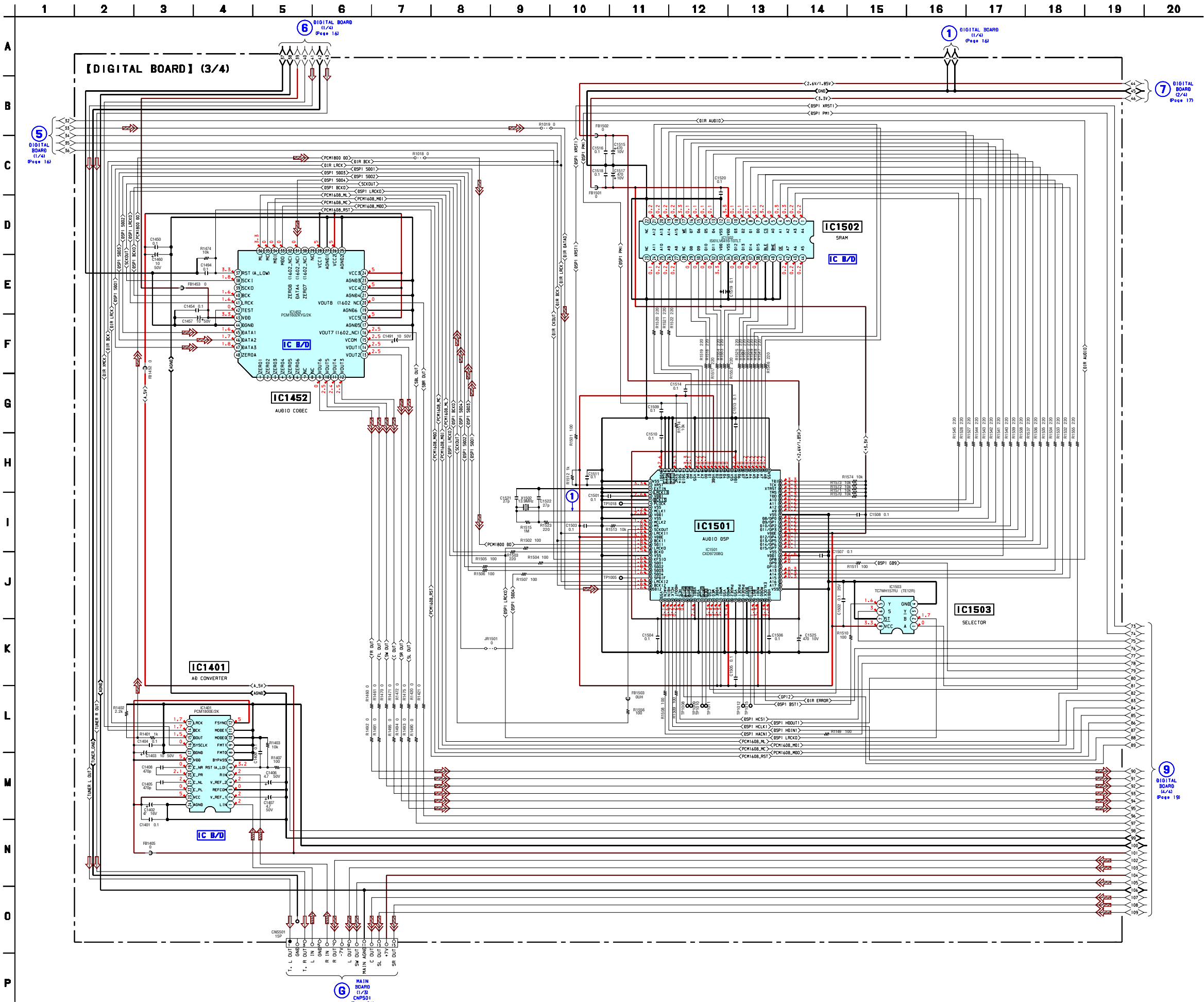


3-4. PRINTED WIRING BOARD — DIGITAL BOARD (SIDE B) — :Uses unleaded solder. • See page 11 for Circuit Boards Location.

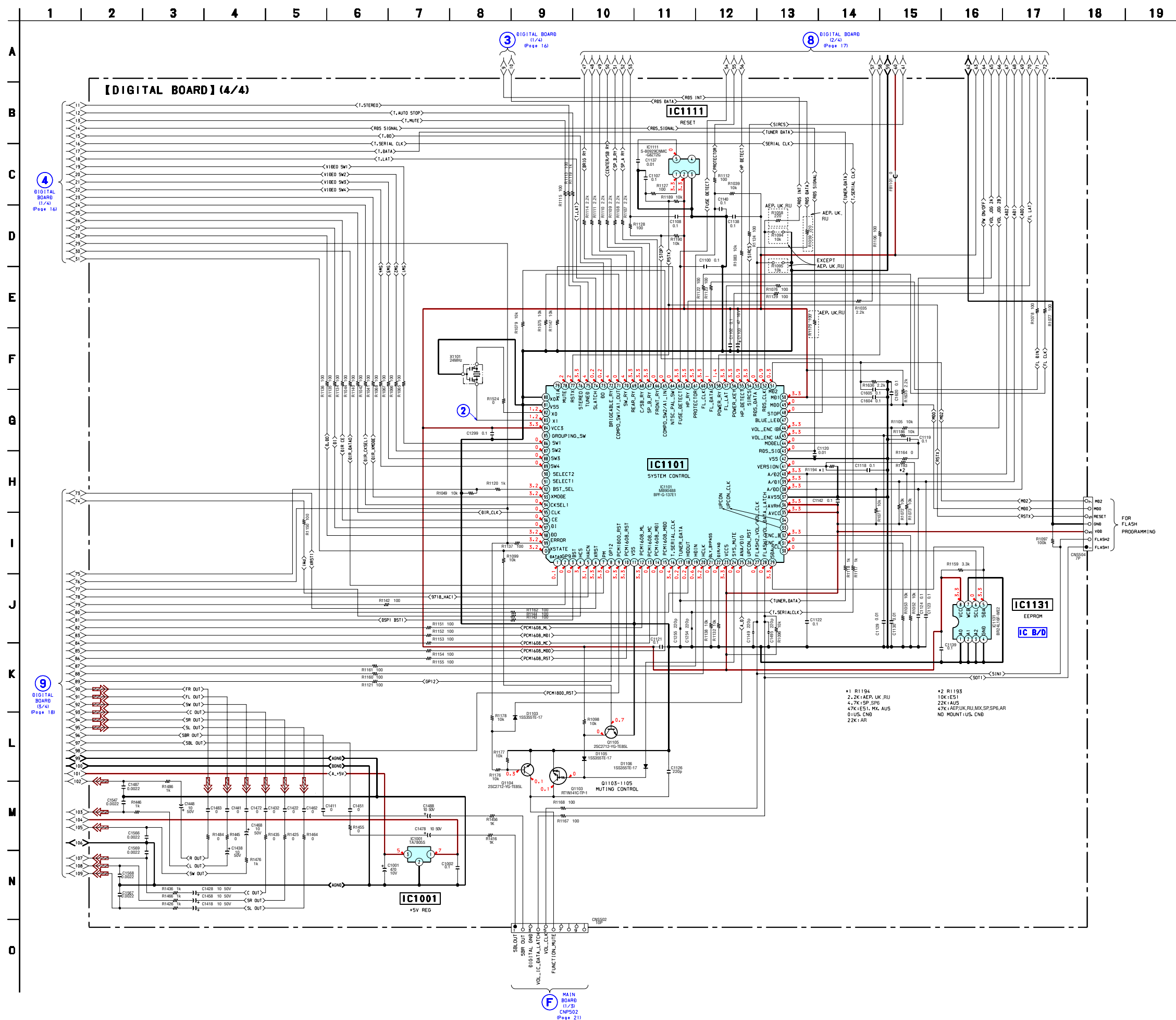


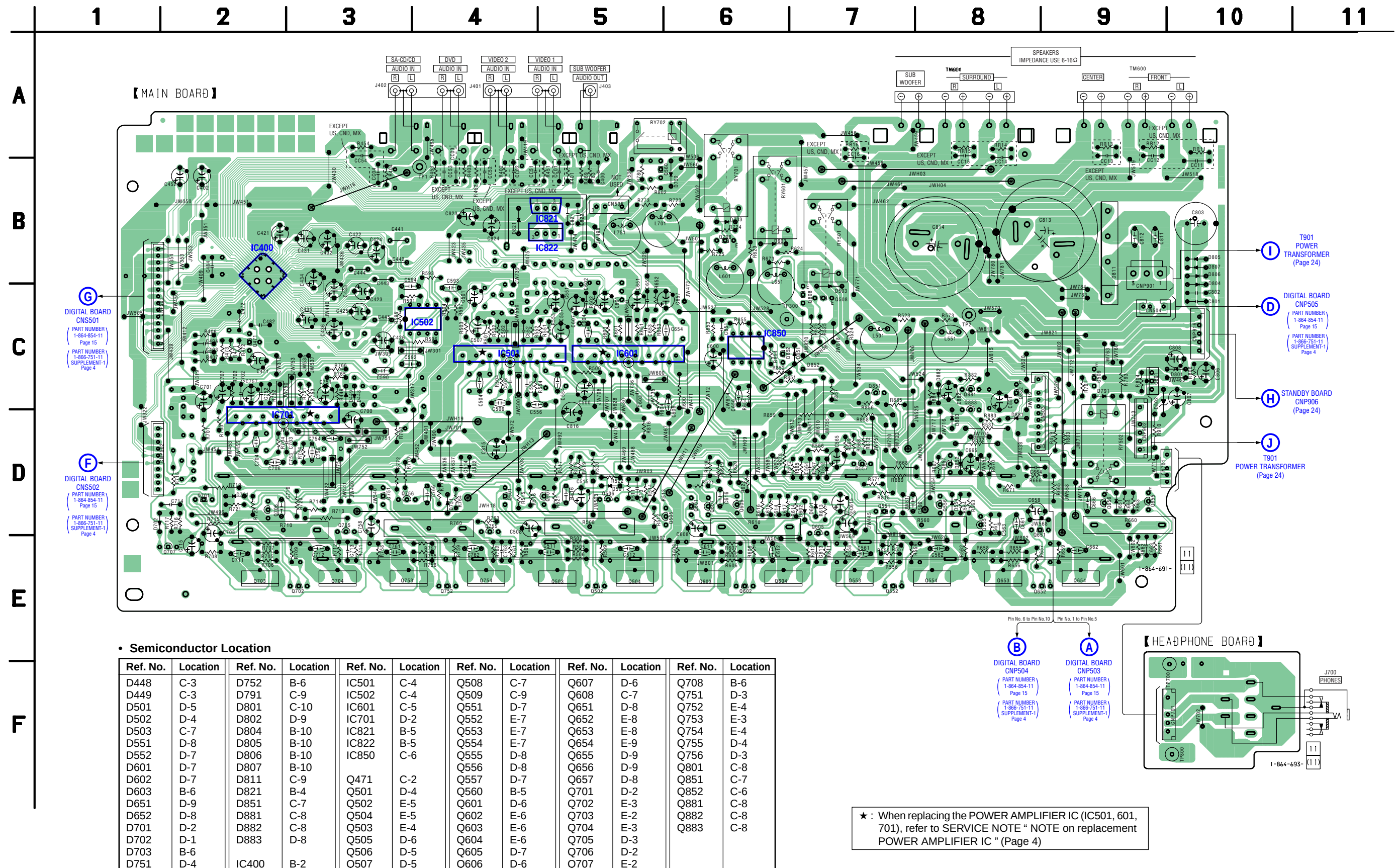


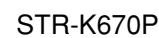


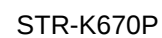


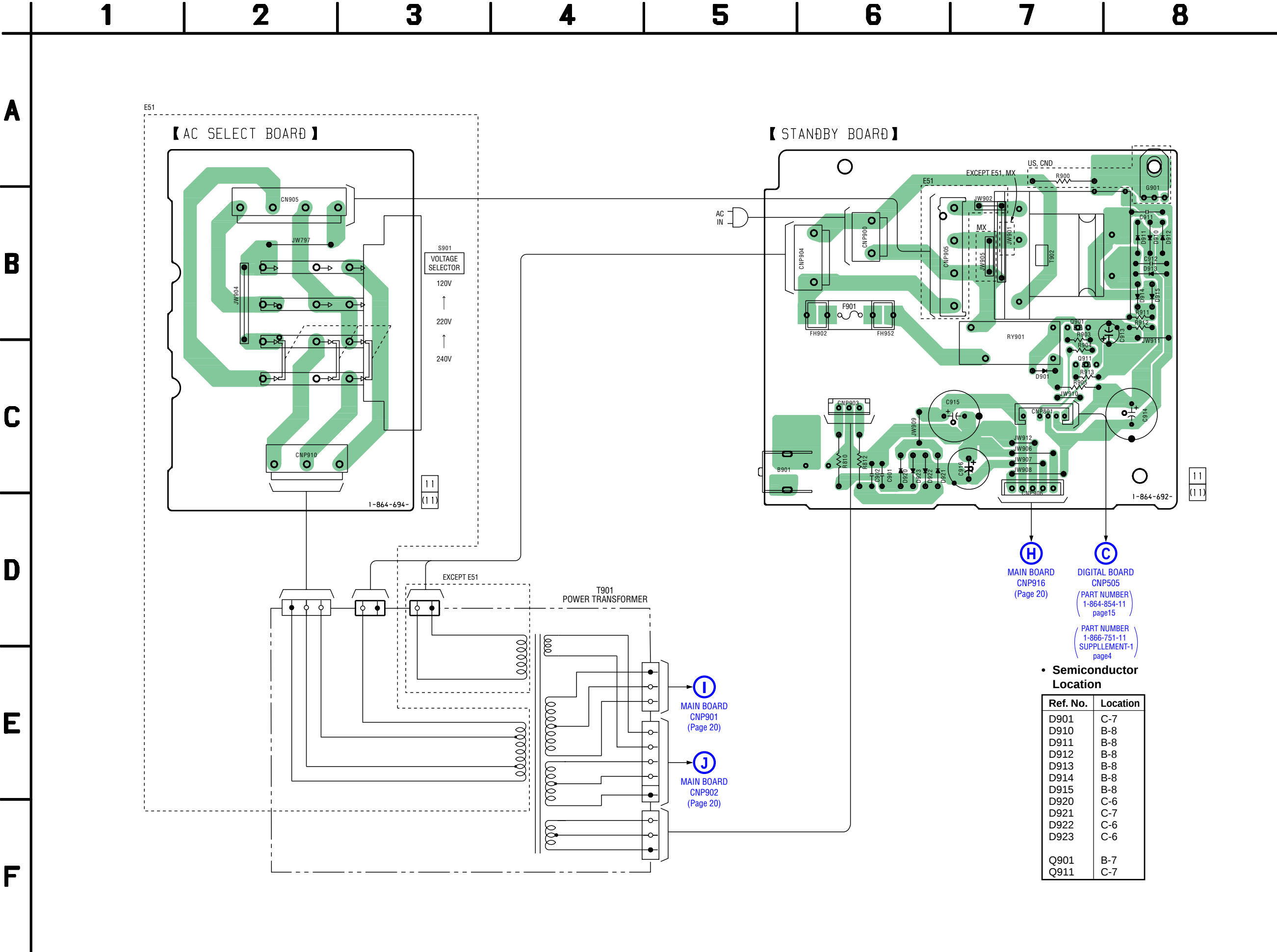
3-8. SCHEMATIC DIAGRAM — DIGITAL BOARD (4/4) — • See page 11 for Waveform. • See page 27 for IC Block Diagram. • See page 31 for IC Pin Function Description.











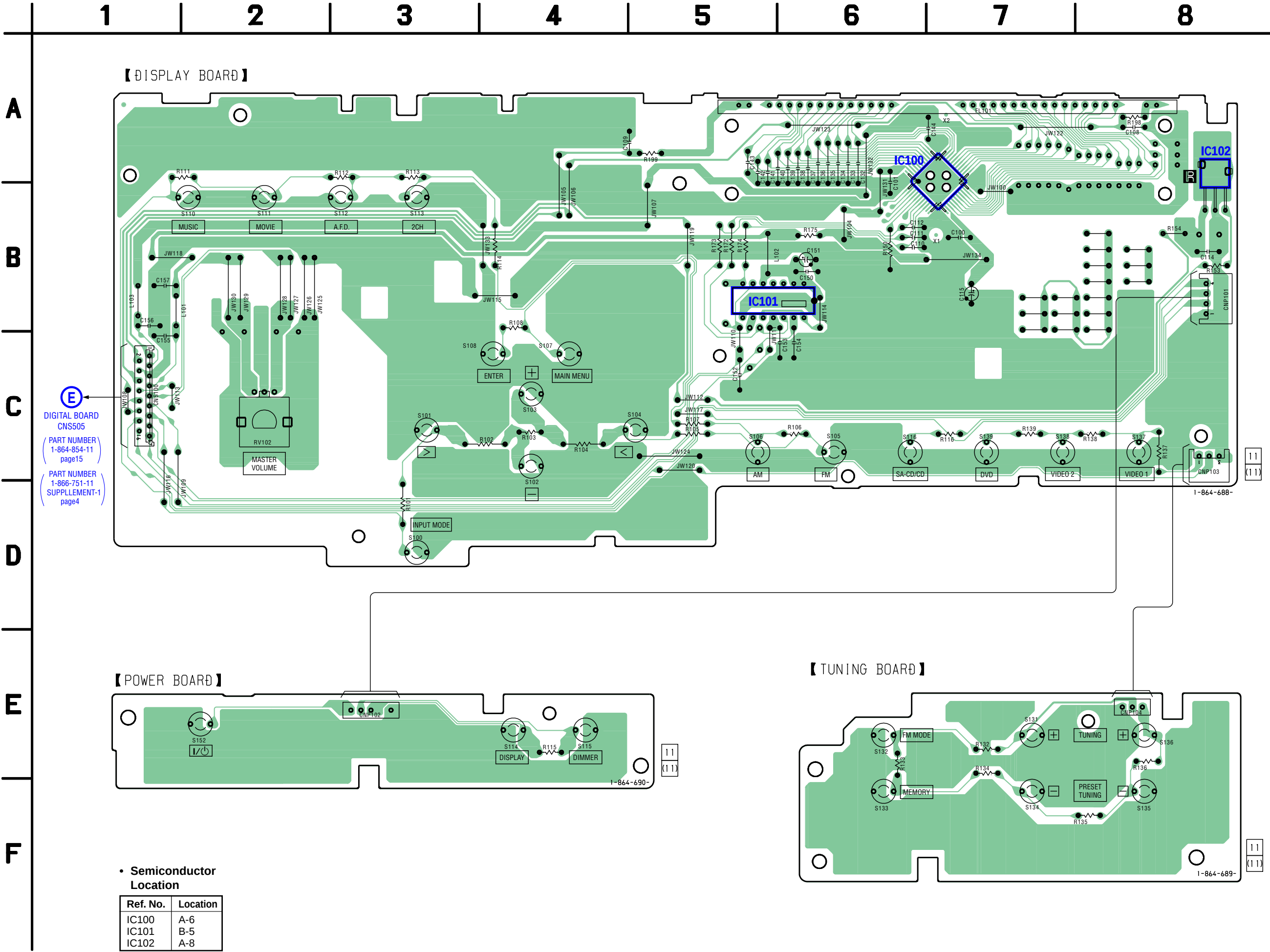
H
MAIN BOARD
CNP916
(Page 20)

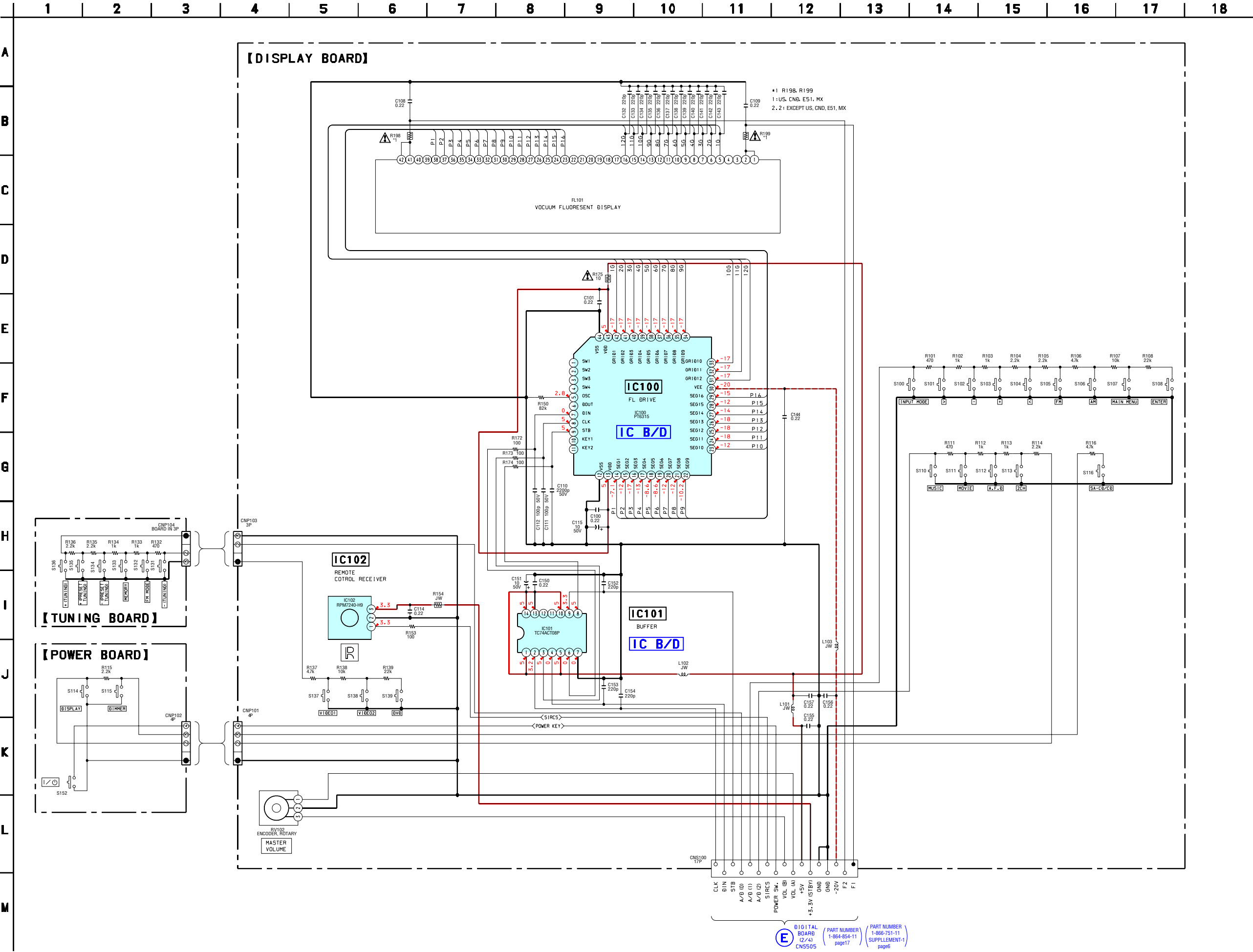
C
DIGITAL BOARD
CNP505
(PART NUMBER
1-864-854-11
page15)
(PART NUMBER
1-866-751-11
SUPPLEMENT-1
page4)

• Semiconductor Location

Ref. No.	Location
D901	C-7
D910	B-8
D911	B-8
D912	B-8
D913	B-8
D914	B-8
D915	B-8
D920	C-6
D921	C-7
D922	C-6
D923	C-6
Q901	B-7
Q911	C-7

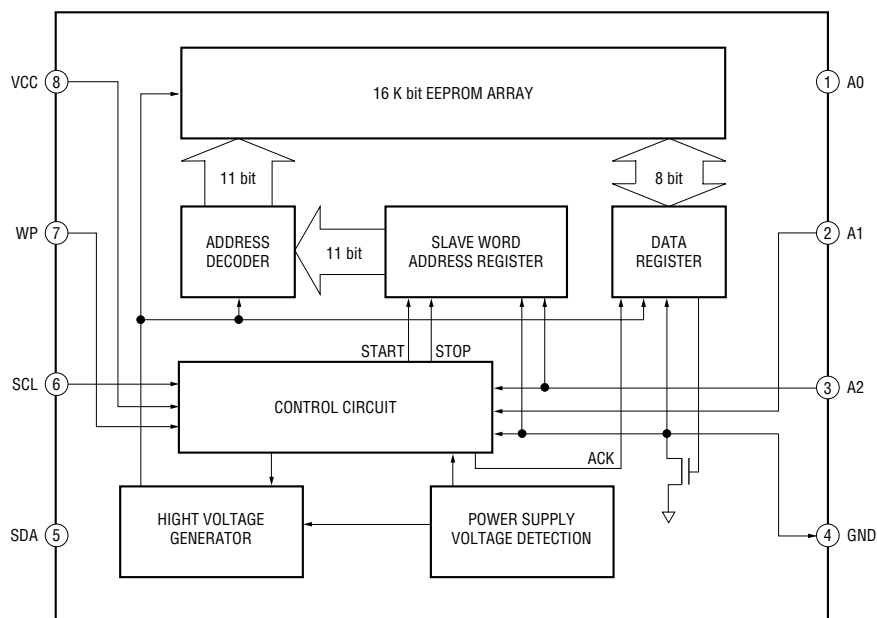
3-14. PRINTED WIRING BOARD — DISPLAY SECTION — • :Uses unleaded solder. • See page 11 for Circuit Boards Location.



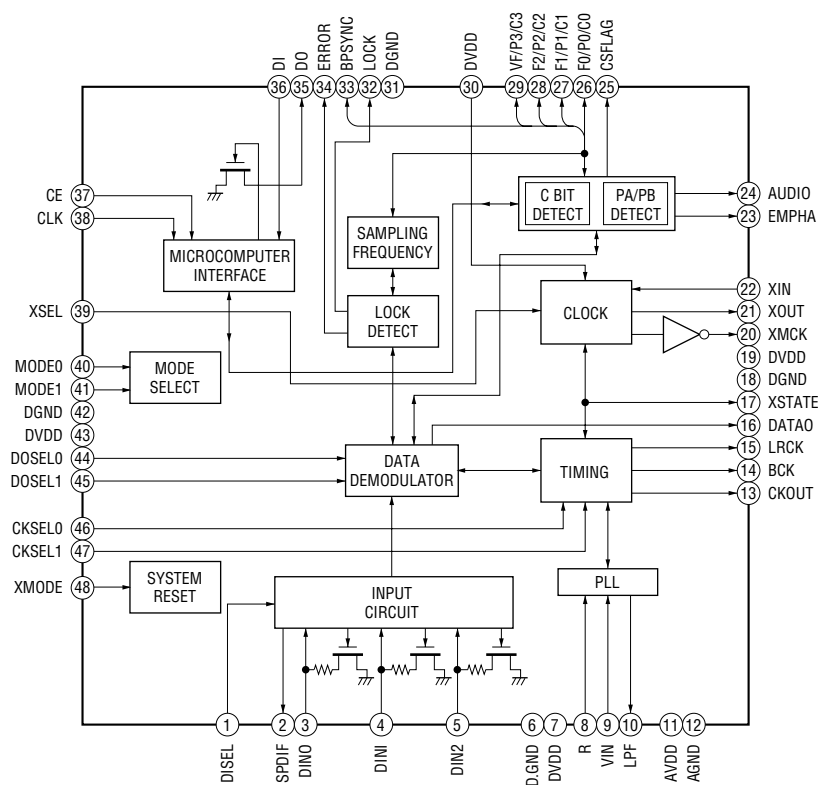


- IC Block Diagrams
- DIGITAL Board –

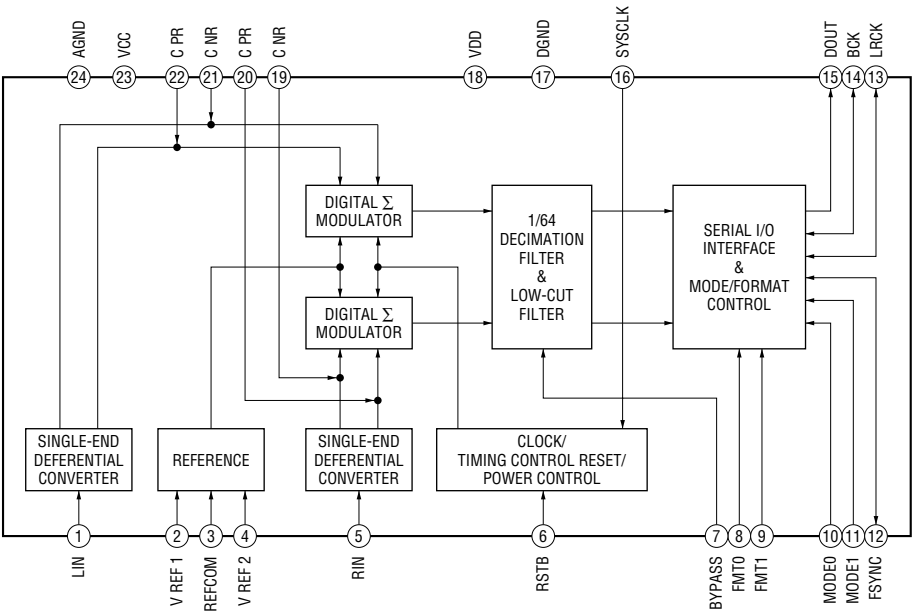
IC1131 BR24L16F-WE2



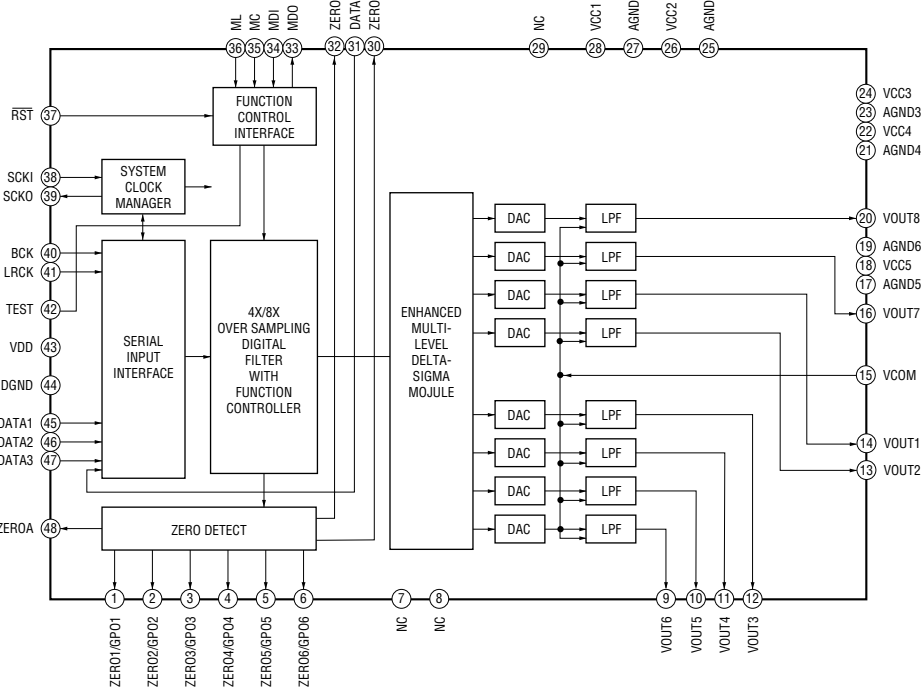
IC1301 LC89056W-E



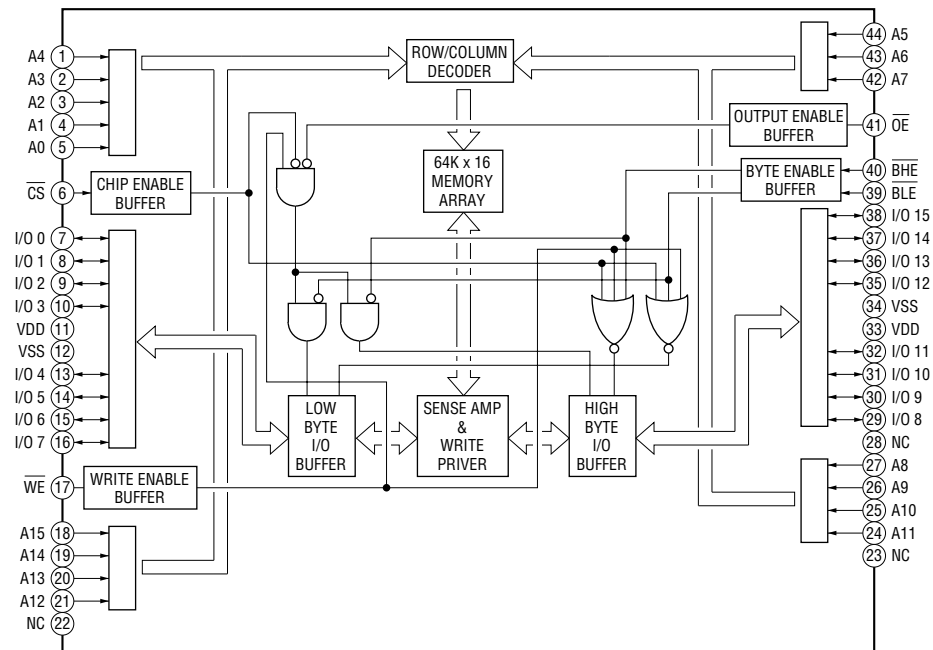
IC1401 PCM1800E/2K



IC1452 PCM1602KYG/2K

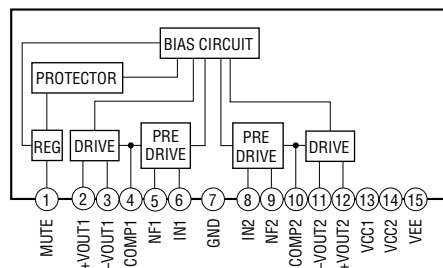


IC1502 IS61LV6416-10TLT

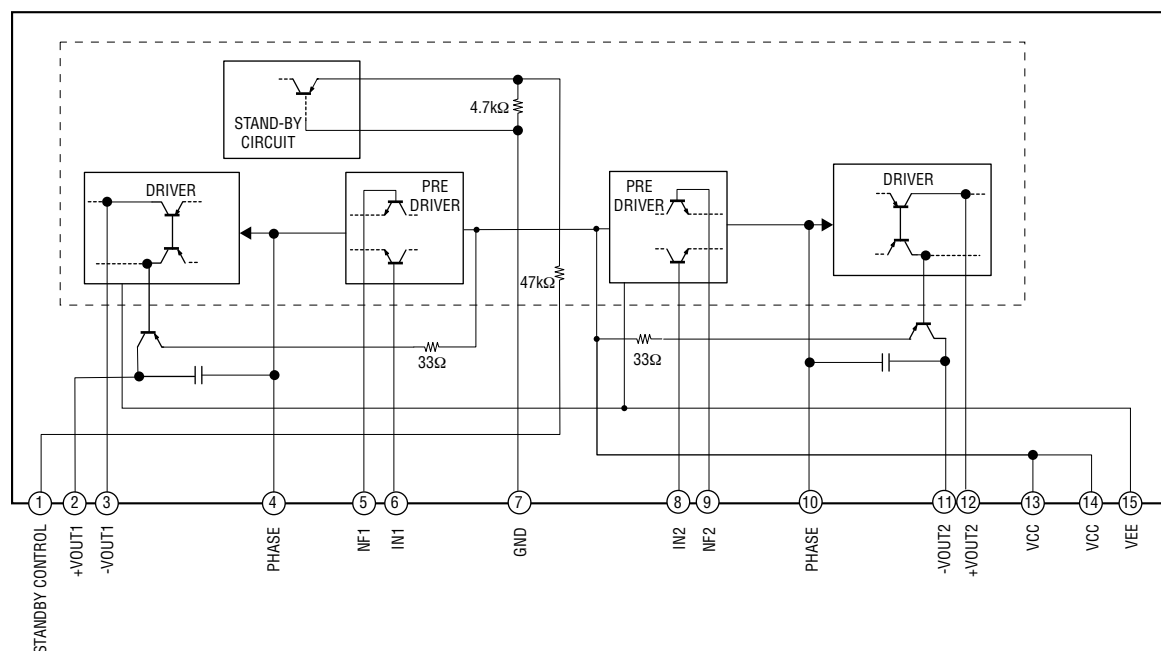


– MAIN Board –

IC501,601,701 uPC2581V-S (TYPE 1)

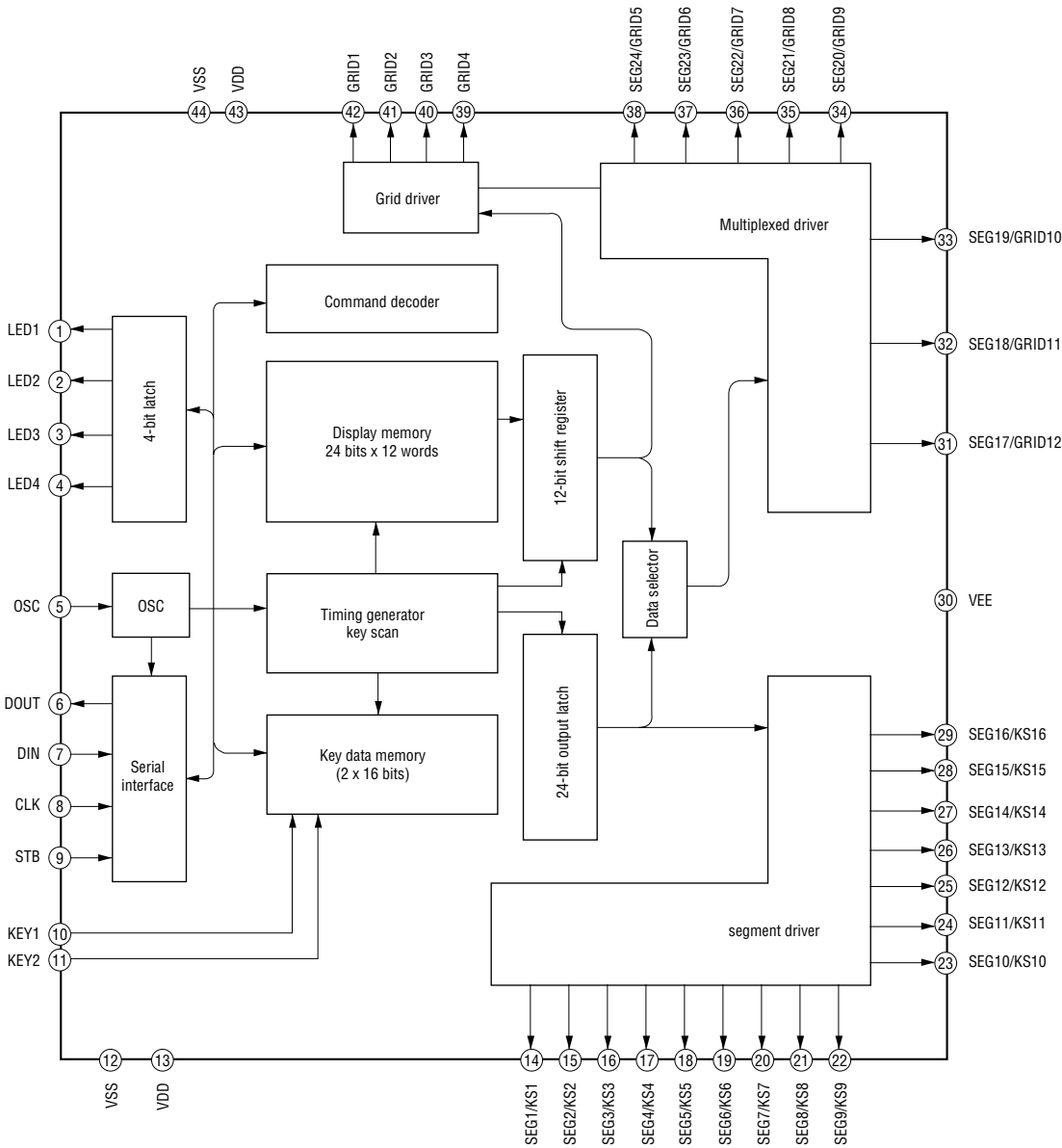


IC501,601,701 STK350-530-E (TYPE 2)

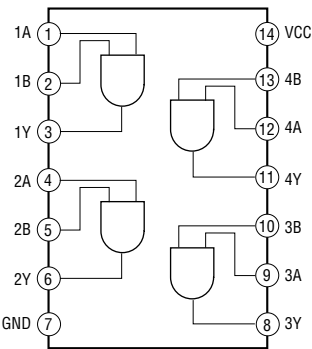


– DISPLAY Board –

IC100 PT6315



IC101 TC74ACT08P



• IC Pin Function Description

DIGITAL BOARD IC1101 MB90488BPF-G-137E1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DATAO	I	Audio data signal input from DIR
2	GP9	I	GP9 signal input from DSP
3	BST	O	BST signal output to DSP
4	HCS	O	HCS signal output to DSP
5	HACN	I	HACN signal input from DSP
6	XRST	O	Reset signal output to DSP
7	PM	O	PM signal output to DSP
8	GP12	O	GP12 signal output to DSP
9	PCM1800RST	O	IC reset signal output to ADC
10	PCM1608RST	O	IC reset signal output to DAC
11	VSS	—	Ground terminal
12	PCM1608ML	O	Latch signal output to DAC
13	PCM1608MC	O	Clock signal output to DAC
14	PCM1608MDI	O	IC data output to DAC
15	PCM1608MDO	I	IC data input to DAC
16	T_CLK	O	Tuner clock signal output terminal
17	T_DI	O	Tuner data signal output terminal
18	HDOUT	I	HDOUT signal input from DSP
19	HDIN	O	HDIN signal output to DSP
20	HCLK	O	Clock signal output to DSP
21	DLY_B PASS	—	Connected to ground terminal
22	DIR/AD	—	Connected to ground terminal
23	VCC5	—	Power supply
24	SYS_MUTE	O	Muting and error signal output
25	ANA/DIG	O	Analog signal or digital signal output terminal
26	UPCON_RST	—	Not used
27	FLASH2/VOL_CL	O	Volume IC clock signal output terminal
28	FLASH1/VOL_DA	O	Volume IC data and latch signal output terminal
29	SDA	I	EEPROM data signal input terminal
30	SCL	O	EEPROM clock signal output terminal
31	ENC_A	—	Short to ground terminal
32	ENC_B	—	Short to ground terminal
33	UPCON	—	Not used
34	UPCON_CLK	—	Not used
35	AVCC	—	Analog power supply
36	AVRH	I	Analog reference voltage input
37	AVSS	—	Analog ground terminal
38	A/D0	I	Function key push signal input
39	A/D1	I	Function key push signal input
40	A/D2	I	Function key push signal input
41	VERSION	I	Version setting input terminal (DESTINATION)
42	VSS	—	Ground terminal
43	RDS SIG	I	RDS signal detect input
44	MODEL	I	Version setting input (MODEL)
45	VOL ENCODER (A)	I	Volume signal input from rotary encoder
46	VOL ENCODER (B)	I	Volume signal input from rotary encoder
47	BLUE LED	—	Not used

Pin No.	Pin Name	I/O	Description
48	STOP	I	AC off detect signal input
49	MD0	I	Operation mode setting input
50	MD1	I	Operation mode setting input
51	MD2	I	Operation mode setting input
52	RDS CLOCK	I	RDS clock signal input (Not used)
53	RDS DATA	I	RDS data signal input (Not used)
54	SIRCS	I	Data signal input from the remote control sensor
55	HP DETECT	I	Headphone signal input
56	POWER KEY	I	Power switch key detect signal input
57	FL_LAT	O	FL driver latch signal output terminal
58	POWER RY	O	Power relay control signal output
59	FL_DATA	O	FL driver signal output terminal
60	FL_CLK	O	FL driver clock signal output terminal
61	PROTECTOR	I	Protector status detect signal input
62	HP_RY	O	Headphone relay control signal output
63	FUSE DETECT	I	Fuse detect signal input
64	NTSC_PAL_SW	—	Short to ground terminal
65	COMPO_SW2	—	Short to ground terminal
66	FRONT_RY	O	Front speaker relay control signal output
67	SP_B RY	O	Front speaker B relay control signal output
68	C/SW RY	O	Center speaker or Subwoofer control signal output
69	REAR RY	O	Rear speaker relay control signal output
70	SW_RY	—	Short to ground terminal
71	COMPO_SW1	—	Short to ground terminal
72	BRIDGEABLE_RY	O	Bridgeable relay control
73	DO	I	Frequency data signal input from the tuner
74	SLATCH	O	Latch signal output to the tuner
75	TUNED	I	Tuning a frequency signal input from the tuner
76	STEREO	I	Stereo tuning signal input from the tuner
77	RSTX	I	System reset
78	MUTE	O	Muting signal output to the tuner
79	X1A	—	Not used
80	X0A	—	Ground terminal
81	VSS	—	Ground terminal
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	VCC3	—	Power supply
85	GROUPING_SW	—	Not used
86	SW1	O	Video select control signal output
87	SW2	O	Video select control signal output
88	SW3	O	Video select control signal output
89	SW4	O	Video select control signal output
90	SELECT2	—	Not used
91	SELECT1	—	Not used
92	BST_SEL	O	BST signal output terminal
93	XMODE	O	Reset signal output to DIR
94	CKSEL 1	O	CKSEL control signal to DIR
95	CLK	O	Clock signal output to DIR
96	CE	O	Chip enable signal output to DIR

Pin No.	Pin Name	I/O	Description
97	DI	O	Data signal output to DIR
98	DO	I	Data signal input from DIR
99	ERROR	I	PLL error muting signal input from DIR
100	XSTATE	I	XSTATE data signal input from DIR

SECTION 4
EXPLODED VIEWS

- NOTE:
- XX and -X mean standardized parts, so they may have some difference from the original one.
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - The mechanical parts with no reference number in the exploded views are not supplied.

Abbreviation

AR

:

Argentina model

AUS

:

Australian model

CND

:

Canadian model

E51

:

Chilean and Peruvian models

MX

:

Mexican model

RU

:

Russian model

SP

:

Singapore model

SP6

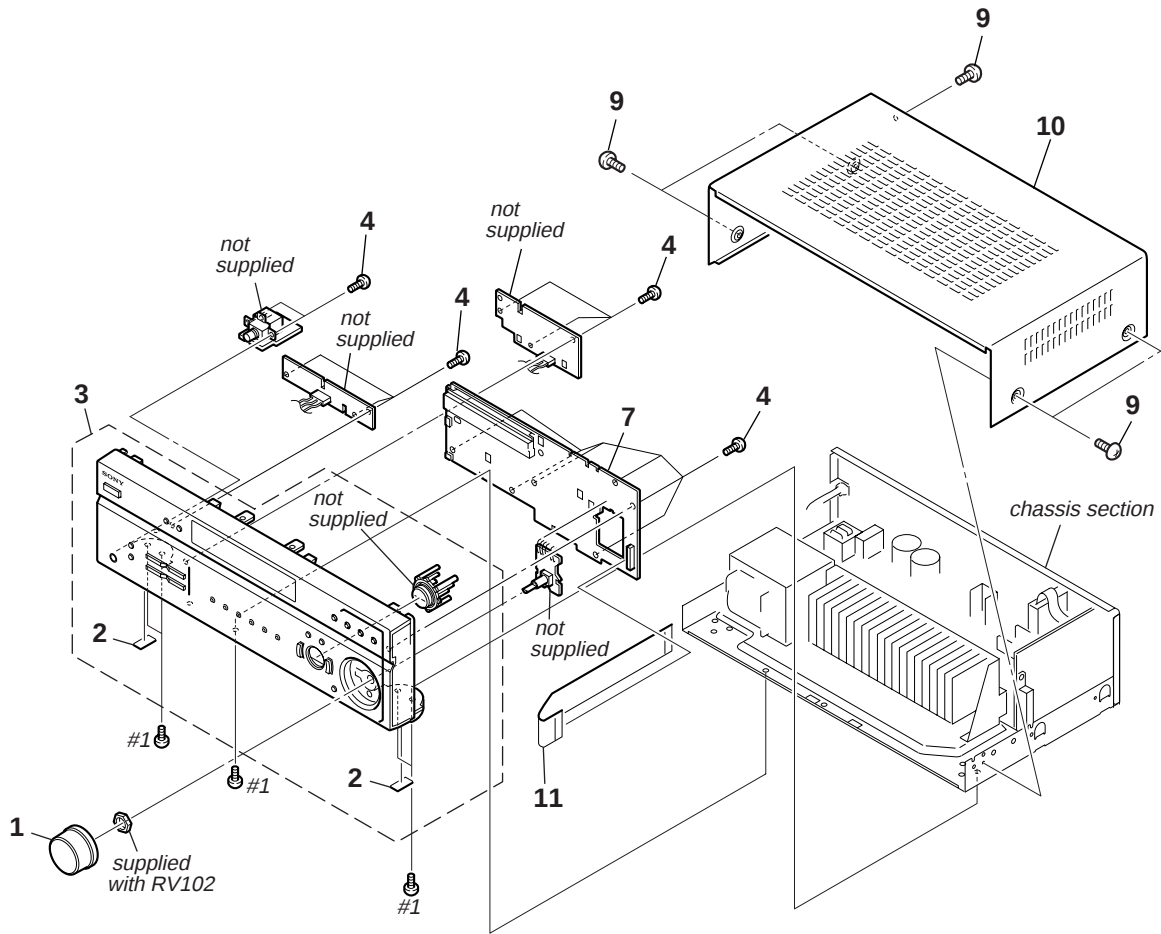
:

Singapore and Malaysia models

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

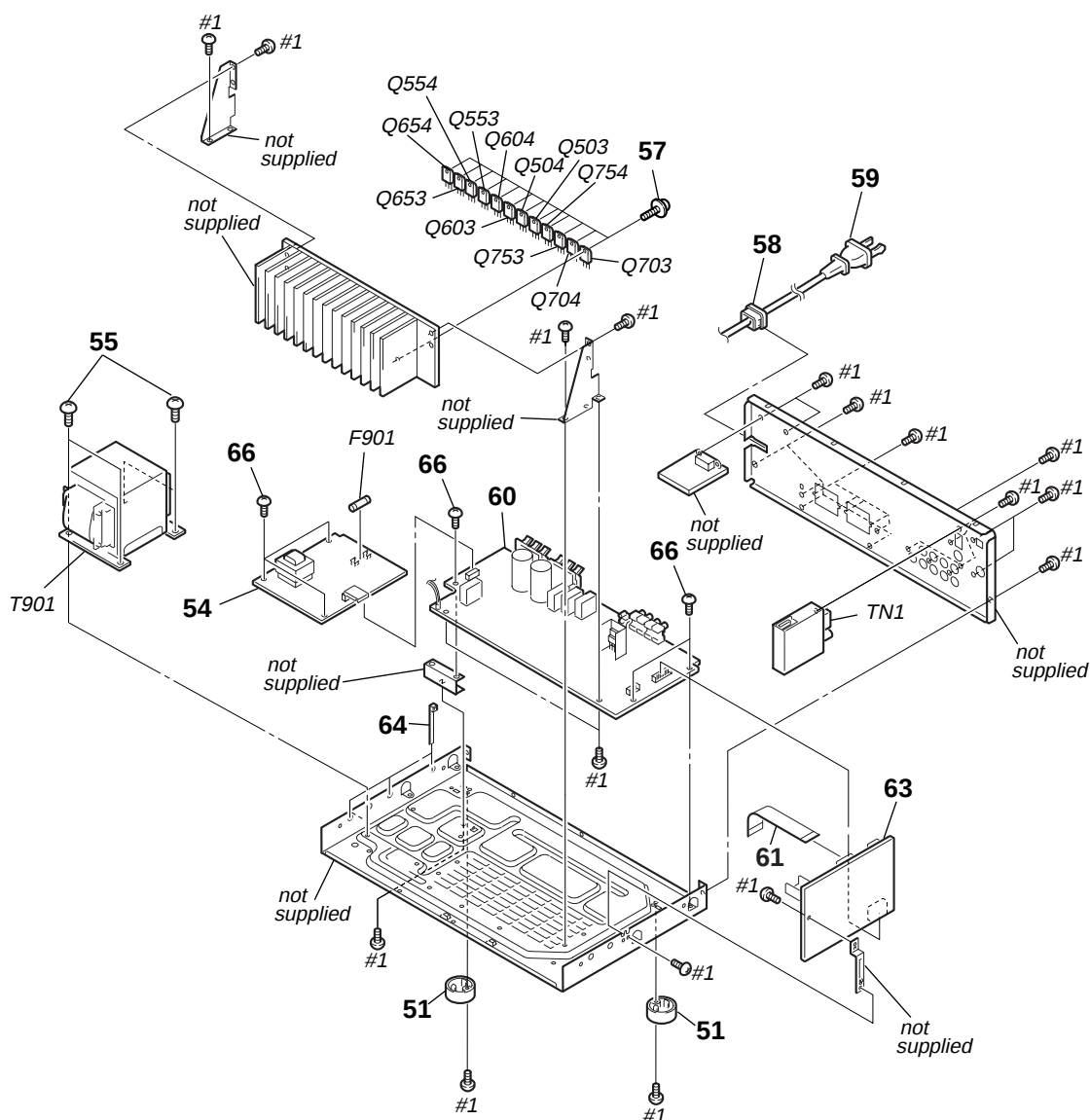
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-232-113-31	KNOB (VOL)		7	A-1108-790-A	DISPLAY BOARD, COMPLETE (EXCEPT US, CND, E51, MX)	
2	4-977-358-01	CUSHION		7	A-1148-680-A	DISPLAY BOARD, COMPLETE (AR)	
3	X-2024-397-1	FRONT PANEL ASSY (US)		9	3-363-099-11	SCREW (CASE 3 TP2)	
3	X-2024-527-1	FRONT PANEL ASSY (AEP, UK, RU)					
3	X-2024-543-1	FRONT PANEL ASSY(EXCEPT US, AEP, UK, RU)		10	4-245-939-61	CASE	
4	3-087-053-01	+BVTP2.6 (3CR)		11	1-828-993-11	WIRE (FLAT TYPE) (17 CORE)	
7	A-1082-615-A	DISPLAY BOARD, COMPLETE (US, CND, E51, MX)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

4-2. CHASSIS SECTION-1

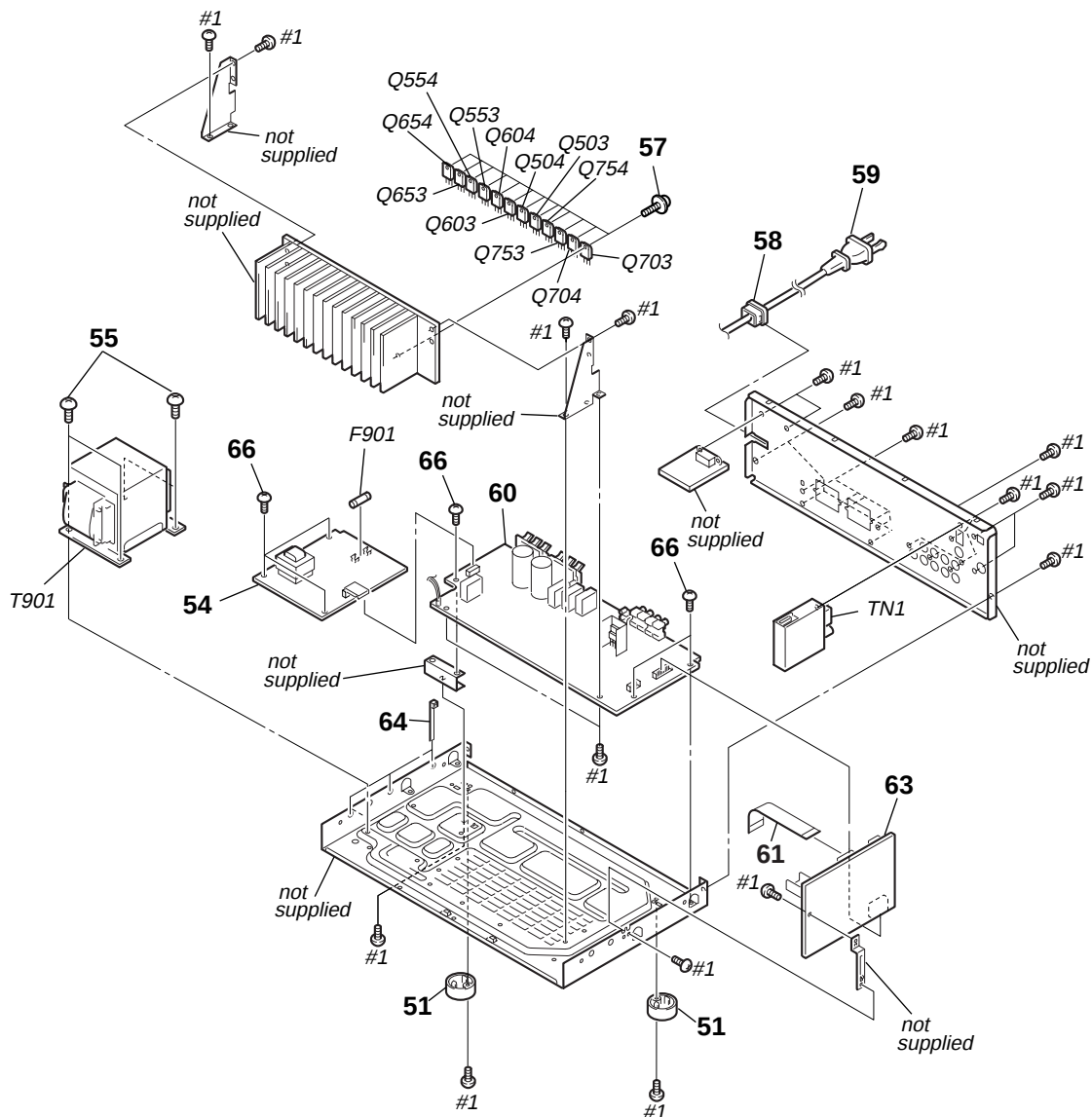


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4953-448-1	FOOT ASSY		60	A-1108-531-A	MAIN BOARD, COMPLETE (E51)	
54	A-1082-613-A	STANDBY BOARD, COMPLETE (US, CND)		60	A-1148-673-A	MAIN BOARD, COMPLETE (AR)	
54	A-1083-592-A	STANDBY BOARD, COMPLETE (EXCEPT US, CND, E51, MX)		61	1-828-963-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP, UK, RU)	
54	A-1083-669-A	STANDBY BOARD, COMPLETE (MX)		61	1-828-980-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, RU)	
54	A-1083-980-A	STANDBY BOARD, COMPLETE (E51)		63	A-1082-618-A	DIGITAL BOARD, COMPLETE (US, CND)	
54	A-1148-678-A	STANDBY BOARD, COMPLETE (AR)		63	A-1083-438-A	DIGITAL BOARD, COMPLETE (AEP, UK, RU)	
55	4-249-675-01	+BV SUMITITE S 4X6 ROUND		63	A-1083-593-A	DIGITAL BOARD, COMPLETE (SP, SP6)	
57	3-905-609-01	SCREW (TRANSISTOR)		63	A-1083-642-A	DIGITAL BOARD, COMPLETE (AUS)	
* 58	3-703-244-00	BUSHING (2104), CORD		63	A-1083-670-A	DIGITAL BOARD, COMPLETE (MX)	
△ 59	1-777-071-23	CORD, POWER (EXCEPT US, CND, MX, AUS)		63	A-1083-982-A	DIGITAL BOARD, COMPLETE (E51)	
△ 59	1-783-820-11	CORD, POWER (US, CND)		63	A-1084-191-A	DIGITAL BOARD, COMPLETE (AR)	
△ 59	1-783-941-12	CORD, POWER (AR)		- Continued on page 36 -			
△ 59	1-827-295-22	CORD, POWER (AUS)					
△ 59	1-829-627-11	POWER-SUPPLY CORD (MX)					
60	A-1082-609-A	MAIN BOARD, COMPLETE (US, CND)					
60	A-1083-591-A	MAIN BOARD, COMPLETE (EXCEPT US, CND, E51, MX)					
60	A-1083-969-A	MAIN BOARD, COMPLETE (MX)					

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

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-3. CHASSIS SECTION-2



Ref. No.	Part No.	Description	Remark
- Continued from page 35 -			
	64	3-701-748-00 CLAMP	
	66	3-077-331-21 +BV3 (3-CR)	
△ F901	1-532-464-32	FUSE 2.5A/250V (E51)	
△ F901	1-532-503-32	FUSE T1.6AL/250V	(EXCEPT US, CND, E51, MX, AR)
△ F901	1-532-503-33	FUSE T1.6AL/250V (AR)	
△ F901	1-533-452-12	FUSE, GLASS TUBE (DIA. 5) 4A/125V	(US, CND)
△ F901	1-533-468-12	FUSE, GLASS TUBE (DIA. 5) 2A/250V (MX)	
	Q503	6-702-390-01 IC MN2488-OPY-MK	
	Q504	6-702-391-01 IC MP1620-OPY-MK	
	Q553	6-702-390-01 IC MN2488-OPY-MK	
	Q554	6-702-391-01 IC MP1620-OPY-MK	
	Q603	6-702-390-01 IC MN2488-OPY-MK	
	Q604	6-702-391-01 IC MP1620-OPY-MK	
	Q653	6-702-390-01 IC MN2488-OPY-MK	
	Q654	6-702-391-01 IC MP1620-OPY-MK	

Ref. No.	Part No.	Description	Remark
	Q703	6-702-390-01 IC MN2488-OPY-MK	
	Q704	6-702-391-01 IC MP1620-OPY-MK	
	Q753	6-702-390-01 IC MN2488-OPY-MK	
	Q754	6-702-391-01 IC MP1620-OPY-MK	
△ T901	1-443-185-11	POWER TRANSFORMER (US, CND)	
△ T901	1-443-186-11	POWER TRANSFORMER (E51)	
△ T901	1-443-521-11	POWER TRANSFORMER (MX)	
△ T901	1-443-629-11	POWER TRANSFORMER	(EXCEPT US, CND, E51, MX)
TN1	1-693-675-11	TUNER UNIT (MX, AR)	
TN1	1-693-675-21	TUNER UNIT (US, CND, E51)	
TN1	1-693-676-21	TUNER UNIT (AEP, UK, RU)	
TN1	1-693-678-11	TUNER UNIT (SP, SP6, AUS)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

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

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 5 ELECTRICAL PARTS LIST

AC SELECT

DIGITAL

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- COILS
uH: μ H
- CAPACITORS
uF: μ F

- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . : μ A. . uPA. . : μ PA. .
uPB. . : μ PB. . uPC. . : μ PC. .
uPD. . : μ PD. .
- Abbreviation
AR : Argentina model
AUS : Australian model
CND : Canadian model
E51 : Chilean and Peruvian models

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

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

MX : Mexican model
RU : Russian model
SP : Singapore model
SP6 : Singapore and Malaysia models

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		AC SELECT BOARD (E51)		C1122	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
		*****		C1123	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
		< CONNECTOR >		C1124	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
CN905	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P (E51)		C1126	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
		< CONNECTOR >		C1129	1-162-974-11	CERAMIC CHIP 0.01uF	50V
				C1130	1-162-974-11	CERAMIC CHIP 0.01uF	50V
				C1137	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
* CNP910	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P (E51)		C1138	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
		< SWITCH >		C1139	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
Δ S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)(E51)		C1140	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
		*****		C1142	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
				C1149	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
	A-1082-618-A	DIGITAL BOARD, COMPLETE (US, CND)		C1251	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
	A-1083-438-A	DIGITAL BOARD, COMPLETE (AEP, UK, RU)		C1252	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
	A-1083-593-A	DIGITAL BOARD, COMPLETE (SP, SP6)		C1253	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
	A-1083-642-A	DIGITAL BOARD, COMPLETE (AUS)		C1254	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
	A-1083-670-A	DIGITAL BOARD, COMPLETE (MX)		C1255	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
	A-1083-982-A	DIGITAL BOARD, COMPLETE (E51)		C1299	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
	A-1148-681-A	DIGITAL BOARD, COMPLETE (AR)		C1301	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
		*****		C1302	1-162-974-11	CERAMIC CHIP 0.01uF	50V
				C1303	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
				C1304	1-162-974-11	CERAMIC CHIP 0.01uF	50V
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		C1305	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
		< CAPACITOR >		C1306	1-126-947-11	ELECT 47uF 20%	16V
C1001	1-126-925-91	ELECT 470uF 20%	10V	C1308	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C1002	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1309	1-162-918-11	CERAMIC CHIP 18PF 5%	50V
C1004	1-164-227-11	CERAMIC CHIP 0.022uF 10%	16V	C1310	1-162-918-11	CERAMIC CHIP 18PF 5%	50V
C1021	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1312	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C1022	1-126-925-91	ELECT 470uF 20%	10V	C1313	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C1031	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1314	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C1032	1-126-925-91	ELECT 470uF 20%	10V	C1315	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C1063	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1352	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
		(AEP, UK, RU)		C1355	1-104-662-91	ELECT 22uF 20%	25V
C1064	1-126-947-11	ELECT 47uF 20%	16V	C1356	1-162-974-11	CERAMIC CHIP 0.01uF	50V
		(AEP, UK, RU)		C1357	1-162-905-11	CERAMIC CHIP 1PF	0.25PF 50V
C1100	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1358	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C1102	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1359	1-126-916-11	ELECT 1000uF 20%	6.3V
C1103	1-126-947-11	ELECT 47uF 20%	16V	C1360	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C1107	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1361	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C1108	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1362	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C1118	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1401	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V
C1119	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1402	1-126-947-11	ELECT 47uF 20%	16V
C1120	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1403	1-126-964-11	ELECT 10uF 20%	50V
C1121	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V	C1404	1-100-566-91	CERAMIC CHIP 0.1uF 10%	25V

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DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1405	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C1620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1406	1-126-963-11	ELECT	4.7uF	20%	50V	C1905	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1407	1-126-963-11	ELECT	4.7uF	20%	50V	C1906	1-126-925-91	ELECT	470uF	20%	10V
C1408	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	C1908	1-126-925-91	ELECT	470uF	20%	10V
C1409	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C1913	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1411	1-216-864-11	SHORT CHIP	0			C1914	1-126-947-11	ELECT	47uF	20%	16V
C1418	1-126-964-11	ELECT	10uF	20%	50V	< CONNECTOR >					
C1422	1-216-864-11	SHORT CHIP	0			CNP503	1-779-977-11	PIN, CONNECTOR	6P		
C1428	1-126-964-11	ELECT	10uF	20%	50V	CNP504	1-784-922-11	PIN, CONNECTOR	5P		
C1432	1-216-864-11	SHORT CHIP	0			CNP505	1-779-799-11	PIN, CONNECTOR	9P		
C1438	1-126-964-11	ELECT	10uF	20%	50V	< CONNECTOR >					
C1441	1-216-864-11	SHORT CHIP	0			CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD	15P		
C1448	1-126-964-11	ELECT	10uF	20%	50V	CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD	10P		
C1450	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	CNS504	1-568-826-11	CONNECTOR, FFC	7P		
C1451	1-216-864-11	SHORT CHIP	0			CNS505	1-784-778-11	CONNECTOR, FFC	17P		
C1454	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	CNS508	1-568-830-11	CONNECTOR, FFC	11P (EXCEPT AEP, UK, RU)		
C1457	1-126-964-11	ELECT	10uF	20%	50V	CNS508	1-784-776-11	CONNECTOR, FFC	15P (AEP, UK, RU)		
C1458	1-126-964-11	ELECT	10uF	20%	50V	CNS509	1-784-766-11	CONNECTOR, FFC	5P		
C1460	1-126-964-11	ELECT	10uF	20%	50V	< DIODE >					
C1462	1-216-864-11	SHORT CHIP	0			D1001	8-719-053-18	DIODE	1SR154-400TE-25		
C1468	1-126-964-11	ELECT	10uF	20%	50V	D1003	8-719-049-09	DIODE	1SS367-T3SONY		
C1472	1-216-864-11	SHORT CHIP	0			D1004	8-719-049-09	DIODE	1SS367-T3SONY		
C1478	1-126-964-11	ELECT	10uF	20%	50V	D1103	8-719-988-61	DIODE	1SS355TE-17		
C1483	1-216-864-11	SHORT CHIP	0			D1105	8-719-988-61	DIODE	1SS355TE-17		
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	D1106	8-719-988-61	DIODE	1SS355TE-17		
C1488	1-126-964-11	ELECT	10uF	20%	50V	D1107	8-719-988-61	DIODE	1SS355TE-17		
C1491	1-126-964-11	ELECT	10uF	20%	50V	D1108	8-719-988-61	DIODE	1SS355TE-17		
C1494	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	D1110	8-719-988-61	DIODE	1SS355TE-17		
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	D1111	8-719-988-61	DIODE	1SS355TE-17		
C1501	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	D1301	8-719-988-61	DIODE	1SS355TE-17		
C1502	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	D1302	8-719-988-61	DIODE	1SS355TE-17		
C1503	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	< FERRITE BEAD >					
C1504	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1101	1-400-862-11	BEAD, FERRITE			
C1505	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1302	1-400-862-11	BEAD, FERRITE			
C1506	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1305	1-400-862-11	BEAD, FERRITE			
C1507	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1306	1-400-862-11	BEAD, FERRITE			
C1508	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1308	1-400-862-11	BEAD, FERRITE			
C1509	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1405	1-400-862-11	BEAD, FERRITE			
C1510	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1452	1-400-862-11	BEAD, FERRITE			
C1511	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1453	1-400-862-11	BEAD, FERRITE			
C1513	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1501	1-400-862-11	BEAD, FERRITE			
C1514	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	FB1502	1-400-862-11	BEAD, FERRITE			
C1515	1-126-925-91	ELECT	470uF	20%	10V	FB1503	1-400-862-11	BEAD, FERRITE			
C1516	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	< IC >					
C1517	1-126-925-91	ELECT	470uF	20%	10V	IC1001	8-759-231-53	IC	TA7805S		
C1518	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	IC1031	6-705-464-01	IC	BA50BC0T		
C1519	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	IC1071	6-702-771-01	IC	TA78033LS (AEP, UK, RU)		
C1520	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	IC1101	6-805-148-01	IC	MB90488BPF-G-137E1		
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V	IC1111	6-702-913-01	IC	S-80929CNMC-G8ZT2G		
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V	IC1131	6-704-004-01	IC	BR24L16F-WE2		
C1525	1-126-925-91	ELECT	470uF	20%	10V	IC1301	8-759-825-15	IC	LC89056W-E		
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	IC1303	8-759-242-70	IC	TC7WU04F (TE12R)		
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V						
C1604	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V						
C1605	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
IC1352	6-600-466-01	IC TORX147L (SA-CD/CD IN)		R1077	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1401	8-759-560-56	IC PCM1800E/2K		R1078	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R1079	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1452	6-705-022-01	IC PCM1602KYG/2K		R1083	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1501	6-705-843-01	IC CXD9720BQ					
IC1502	6-704-832-01	IC IS61LV6416-10TLT		R1088	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1503	8-759-546-74	IC TC7WH157FU (TE12R)		R1094	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1901	6-701-887-02	IC SI-3004KWF					(EXCEPT AEP, UK, RU)
				R1095	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1902	8-759-701-59	IC TA7809S					(EXCEPT AEP, UK, RU)
IC1904	6-705-463-01	IC BA33BC0T		R1096	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R1097	1-216-845-11	METAL CHIP 100K 5% 1/10W	
		< JACK >					
J1301	1-794-972-11	JACK, PIN 1P (DVD IN COAXIAL)		R1098	1-216-833-11	METAL CHIP 10K 5% 1/10W	
				R1099	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		< SHORT >		R1105	1-216-833-11	METAL CHIP 10K 5% 1/10W	
JR1020	1-216-864-11	SHORT CHIP 0		R1106	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1201	1-211-950-11	SHORT CHIP 0		R1107	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
JR1202	1-216-864-11	SHORT CHIP 0 (EXCEPT AEP, UK, RU)					
JR1203	1-216-296-11	SHORT CHIP 0		R1108	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
JR1204	1-211-950-11	SHORT CHIP 0		R1109	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
				R1110	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
JR1206	1-211-950-11	SHORT CHIP 0		R1111	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
JR1211	1-216-296-11	SHORT CHIP 0		R1112	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1212	1-216-296-11	SHORT CHIP 0					
JR1214	1-216-296-11	SHORT CHIP 0		R1113	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1215	1-216-296-11	SHORT CHIP 0		R1114	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
				R1115	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1301	1-216-864-11	SHORT CHIP 0		R1117	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JR1501	1-216-864-11	SHORT CHIP 0		R1118	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JR1511	1-400-862-11	BEAD, FERRITE					
				R1119	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< TRANSISTOR >		R1120	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q1103	8-729-027-43	TRANSISTOR RT1N141C-TP-1		R1121	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q1104	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L		R1122	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q1105	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L		R1123	1-216-809-11	METAL CHIP 100 5% 1/10W	
		< RESISTOR >		R1124	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R1127	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1018	1-216-864-11	SHORT CHIP 0		R1128	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1019	1-216-864-11	SHORT CHIP 0		R1129	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1035	1-216-825-11	METAL CHIP 2.2K 5% 1/10W		R1132	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1039	1-216-833-11	METAL CHIP 10K 5% 1/10W					
R1041	1-216-809-11	METAL CHIP 100 5% 1/10W		R1134	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R1135	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1042	1-216-809-11	METAL CHIP 100 5% 1/10W		R1136	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1044	1-216-809-11	METAL CHIP 100 5% 1/10W		R1137	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1049	1-216-833-11	METAL CHIP 10K 5% 1/10W		R1138	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1052	1-216-833-11	METAL CHIP 10K 5% 1/10W					
R1053	1-216-833-11	METAL CHIP 10K 5% 1/10W		R1140	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R1142	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1058	1-216-813-11	METAL CHIP 220 5% 1/10W		R1143	1-216-809-11	METAL CHIP 100 5% 1/10W	
			(AEP, UK, RU)	R1144	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1059	1-216-813-11	METAL CHIP 220 5% 1/10W		R1147	1-216-833-11	METAL CHIP 10K 5% 1/10W	
			(AEP, UK, RU)				
R1065	1-216-809-11	METAL CHIP 100 5% 1/10W		R1149	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1066	1-216-809-11	METAL CHIP 100 5% 1/10W		R1150	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1067	1-216-809-11	METAL CHIP 100 5% 1/10W		R1151	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R1152	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1068	1-216-809-11	METAL CHIP 100 5% 1/10W		R1153	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1071	1-216-833-11	METAL CHIP 10K 5% 1/10W					
R1072	1-216-833-11	METAL CHIP 10K 5% 1/10W		R1154	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1073	1-216-833-11	METAL CHIP 10K 5% 1/10W		R1155	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1075	1-216-833-11	METAL CHIP 10K 5% 1/10W		R1159	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
				R1160	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1076	1-216-809-11	METAL CHIP 100 5% 1/10W		R1161	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R1162	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R1164	1-216-864-11	SHORT CHIP 0	

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DIGITAL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1167	1-216-809-11	METAL CHIP	100	5%	1/10W	R1403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1168	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1175	1-216-809-11	METAL CHIP	100	5%	1/10W	R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
				(AEP, UK, RU)		R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1420	1-216-864-11	SHORT CHIP	0		
R1176	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1421	1-216-864-11	SHORT CHIP	0		
R1177	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1425	1-216-864-11	SHORT CHIP	0		
R1178	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1435	1-216-864-11	SHORT CHIP	0		
						R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1445	1-216-864-11	SHORT CHIP	0		
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1455	1-216-864-11	SHORT CHIP	0		
R1193	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1456	1-216-821-11	METAL CHIP	1K	5%	1/10W
				(E51)		R1460	1-216-864-11	SHORT CHIP	0		
						R1461	1-216-864-11	SHORT CHIP	0		
R1193	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1464	1-216-864-11	SHORT CHIP	0		
				(AUS)							
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
			(AEP, UK, RU, MX, SP, SP6, AR)			R1470	1-216-864-11	SHORT CHIP	0		
R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1471	1-216-864-11	SHORT CHIP	0		
				(AEP, UK, RU)		R1472	1-216-864-11	SHORT CHIP	0		
R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
				(SP, SP6)							
R1194	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1475	1-216-864-11	SHORT CHIP	0		
				(AR)		R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1484	1-216-864-11	SHORT CHIP	0		
R1194	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
				(E51, MX, AUS)		R1490	1-216-864-11	SHORT CHIP	0		
R1194	1-216-864-11	SHORT CHIP	0 (US, CND)								
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1491	1-216-864-11	SHORT CHIP	0		
R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W	R1492	1-216-864-11	SHORT CHIP	0		
R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W	R1493	1-216-864-11	SHORT CHIP	0		
						R1494	1-216-864-11	SHORT CHIP	0		
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1495	1-216-864-11	SHORT CHIP	0		
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W	R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W						
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W	R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W	R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W	R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1509	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W	R1510	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W	R1511	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W	R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W	R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1316	1-216-809-11	METAL CHIP	100	5%	1/10W	R1517	1-216-813-11	METAL CHIP	220	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1518	1-216-813-11	METAL CHIP	220	5%	1/10W
R1352	1-216-809-11	METAL CHIP	100	5%	1/10W	R1519	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1520	1-216-813-11	METAL CHIP	220	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W	R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1522	1-216-813-11	METAL CHIP	220	5%	1/10W
R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W	R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W	R1524	1-216-864-11	SHORT CHIP	0		
						R1525	1-216-813-11	METAL CHIP	220	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W	R1526	1-216-813-11	METAL CHIP	220	5%	1/10W
R1362	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1527	1-216-813-11	METAL CHIP	220	5%	1/10W
R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1528	1-216-813-11	METAL CHIP	220	5%	1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1532	1-216-813-11	METAL CHIP	220	5%	1/10W	C135	1-162-286-31	CERAMIC	220PF	10%	50V
R1533	1-216-813-11	METAL CHIP	220	5%	1/10W	C136	1-162-286-31	CERAMIC	220PF	10%	50V
R1534	1-216-813-11	METAL CHIP	220	5%	1/10W	C137	1-162-286-31	CERAMIC	220PF	10%	50V
R1535	1-216-813-11	METAL CHIP	220	5%	1/10W	C138	1-162-286-31	CERAMIC	220PF	10%	50V
R1536	1-216-813-11	METAL CHIP	220	5%	1/10W	C139	1-162-286-31	CERAMIC	220PF	10%	50V
R1537	1-216-813-11	METAL CHIP	220	5%	1/10W	C140	1-162-286-31	CERAMIC	220PF	10%	50V
R1538	1-216-813-11	METAL CHIP	220	5%	1/10W	C141	1-162-286-31	CERAMIC	220PF	10%	50V
R1539	1-216-813-11	METAL CHIP	220	5%	1/10W	C142	1-162-286-31	CERAMIC	220PF	10%	50V
R1540	1-216-813-11	METAL CHIP	220	5%	1/10W	C143	1-162-286-31	CERAMIC	220PF	10%	50V
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W	C144	1-135-798-11	CERAMIC	0.22uF		50V
R1542	1-216-813-11	METAL CHIP	220	5%	1/10W	C150	1-135-798-11	CERAMIC	0.22uF		50V
R1543	1-216-813-11	METAL CHIP	220	5%	1/10W	C151	1-124-261-00	ELECT	10uF	20%	50V
R1544	1-216-813-11	METAL CHIP	220	5%	1/10W	C152	1-162-286-31	CERAMIC	220PF	10%	50V
R1545	1-216-813-11	METAL CHIP	220	5%	1/10W	C153	1-162-286-31	CERAMIC	220PF	10%	50V
R1546	1-216-813-11	METAL CHIP	220	5%	1/10W	C154	1-162-286-31	CERAMIC	220PF	10%	50V
R1547	1-216-813-11	METAL CHIP	220	5%	1/10W	C155	1-135-798-11	CERAMIC	0.22uF		50V
R1548	1-216-813-11	METAL CHIP	220	5%	1/10W	C156	1-135-798-11	CERAMIC	0.22uF		50V
R1549	1-216-813-11	METAL CHIP	220	5%	1/10W	C157	1-135-798-11	CERAMIC	0.22uF		50V
R1550	1-216-813-11	METAL CHIP	220	5%	1/10W	< CONNECTOR >					
R1551	1-216-813-11	METAL CHIP	220	5%	1/10W	* CNP101	1-564-519-11	PLUG, CONNECTOR 4P			
R1552	1-216-813-11	METAL CHIP	220	5%	1/10W	* CNP103	1-564-518-11	PLUG, CONNECTOR 3P			
R1553	1-216-813-11	METAL CHIP	220	5%	1/10W	< CONNECTOR >					
R1554	1-216-813-11	METAL CHIP	220	5%	1/10W	* CNS100	1-569-934-11	SOCKET, CONNECTOR 17P			
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W	< FLUORESCENT INDICATOR >					
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W	FL101	1-518-966-11	VOCUUM FLUORESENT DISPLAYS			
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W	< IC >					
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W	IC100	8-759-643-83	IC PT6315			
R1635	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	IC101	8-759-243-51	IC TC74ACT08P			
R1636	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	IC102	6-600-309-01	IC RPM7240-H9 (B)			
< VIBRATOR >											
X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR 24MHz				< RESISTOR >					
X1301	1-795-126-21	VIBRATOR, CRYSTAL 12.288MHz				R101	1-249-413-11	CARBON	470	5%	1/4W
X1502	1-813-276-21	QUARTZ CRYSTAL 13.9MHz				R102	1-247-831-91	CARBON	1K	5%	1/4W
*****						R103	1-247-831-91	CARBON	1K	5%	1/4W
A-1082-615-A	DISPLAY BOARD, COMPLETE					R104	1-249-421-11	CARBON	2.2K	5%	1/4W
	(US, CND, E51, MX)					R105	1-249-421-11	CARBON	2.2K	5%	1/4W
A-1108-790-A	DISPLAY BOARD, COMPLETE					R106	1-247-847-91	CARBON	4.7K	5%	1/4W
	(EXCEPT US, CND, E51, MX)					R107	1-249-429-11	CARBON	10K	5%	1/4W
A-11448-680-A	DISPLAY BOARD, COMPLETE (AR)					R108	1-247-863-91	CARBON	22K	5%	1/4W
*****						R111	1-249-413-11	CARBON	470	5%	1/4W
< CAPACITOR >						R112	1-247-831-91	CARBON	1K	5%	1/4W
C100	1-135-798-11	CERAMIC	0.22uF		50V	R113	1-247-831-91	CARBON	1K	5%	1/4W
C101	1-135-798-11	CERAMIC	0.22uF		50V	R114	1-249-421-11	CARBON	2.2K	5%	1/4W
C108	1-135-798-11	CERAMIC	0.22uF		50V	R116	1-247-847-91	CARBON	4.7K	5%	1/4W
C109	1-135-798-11	CERAMIC	0.22uF		50V	R137	1-247-847-91	CARBON	4.7K	5%	1/4W
C110	1-127-868-11	CERAMIC	2200PF	10%	50V	R138	1-249-429-11	CARBON	10K	5%	1/4W
C111	1-162-282-31	CERAMIC	100PF	10%	50V	R139	1-247-863-91	CARBON	22K	5%	1/4W
C112	1-162-282-31	CERAMIC	100PF	10%	50V	R150	1-249-440-11	CARBON	82K	5%	1/4W
C114	1-135-798-11	CERAMIC	0.22uF		50V	R153	1-247-807-31	CARBON	100	5%	1/4W
C115	1-124-261-00	ELECT	10uF	20%	50V	R172	1-247-807-31	CARBON	100	5%	1/4W
C132	1-162-286-31	CERAMIC	220PF	10%	50V	R173	1-247-807-31	CARBON	100	5%	1/4W
C133	1-162-286-31	CERAMIC	220PF	10%	50V	R174	1-247-807-31	CARBON	100	5%	1/4W
C134	1-162-286-31	CERAMIC	220PF	10%	50V						

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DISPLAY

HEADPHONE

MAIN

Ref. No.	Part No.	Description	Remark		
△ R175	1-249-393-11	CARBON	10	5%	1/4W
△ R198	1-249-381-11	CARBON	1	5%	1/4W
				(US, CND, E51, MX)	
△ R198	1-249-385-11	CARBON	2.2	5%	1/4W
				(EXCEPT US, CND, E51, MX)	
△ R199	1-249-381-11	CARBON	1	5%	1/4W
				(US, CND, E51, MX)	
△ R199	1-249-385-11	CARBON	2.2	5%	1/4W
				(EXCEPT US, CND, E51, MX)	
< VARIABLE RESISTOR >					
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)			
		(MASTER VOLUME)			
< SWITCH >					
S100	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S101	1-771-410-21	SWITCH, TACTILE (>)			
S102	1-771-410-21	SWITCH, TACTILE (−)			
S103	1-771-410-21	SWITCH, TACTILE (+)			
S104	1-771-410-21	SWITCH, TACTILE (<)			
S105	1-771-410-21	SWITCH, TACTILE (FM)			
S106	1-771-410-21	SWITCH, TACTILE (AM)			
S107	1-771-410-21	SWITCH, TACTILE (MAIN MENU)			
S108	1-771-410-21	SWITCH, TACTILE (ENTER)			
S110	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S111	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S112	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S113	1-771-410-21	SWITCH, TACTILE (2CH)			
S116	1-771-410-21	SWITCH, TACTILE (SA-CD/CD)			
S137	1-771-410-21	SWITCH, TACTILE (VIDEO 1)			
S138	1-771-410-21	SWITCH, TACTILE (VIDEO 2)			
S139	1-771-410-21	SWITCH, TACTILE (DVD)			

HEADPHONE BOARD					

< CONNECTOR >					
CNP701	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
< JACK >					
J700	1-815-314-21	JACK (PHONES)			

A-1082-609-A	MAIN BOARD, COMPLETE (US, CND)				
A-1083-591-A	MAIN BOARD, COMPLETE				
	(EXCEPT US, CND, E51, MX)				
A-1083-969-A	MAIN BOARD, COMPLETE (MX)				
A-1108-531-A	MAIN BOARD, COMPLETE (E51)				
A-1148-673-A	MAIN BOARD, COMPLETE (AR)				

7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3				
< CAPACITOR >					
C400	1-127-888-11	CERAMIC	0.1uF	10%	50V
C402	1-126-964-11	ELECT	10uF	20%	50V
C403	1-162-294-31	CERAMIC	0.001uF	10%	50V
C404	1-162-294-31	CERAMIC	0.001uF	10%	50V
C421	1-126-963-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description	Remark		
C422	1-126-963-11	ELECT	4.7uF	20%	50V
C423	1-126-963-11	ELECT	4.7uF	20%	50V
C424	1-126-963-11	ELECT	4.7uF	20%	50V
C425	1-126-963-11	ELECT	4.7uF	20%	50V
C426	1-126-963-11	ELECT	4.7uF	20%	50V
C431	1-126-961-11	ELECT	2.2uF	20%	50V
C432	1-126-961-11	ELECT	2.2uF	20%	50V
C433	1-126-961-11	ELECT	2.2uF	20%	50V
C434	1-126-961-11	ELECT	2.2uF	20%	50V
C435	1-126-961-11	ELECT	2.2uF	20%	50V
C436	1-126-961-11	ELECT	2.2uF	20%	50V
C446	1-126-963-11	ELECT	4.7uF	20%	50V
C452	1-126-964-11	ELECT	10uF	20%	50V
C471	1-104-658-91	ELECT	100uF	20%	10V
C472	1-127-888-11	CERAMIC	0.1uF	10%	50V
C482	1-127-888-11	CERAMIC	0.1uF	10%	50V
C484	1-127-888-11	CERAMIC	0.1uF	10%	50V
C500	1-128-579-11	ELECT	2.2uF	20%	100V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C502	1-128-809-11	CERAMIC	100PF	5%	50V
C503	1-128-809-11	CERAMIC	100PF	5%	50V
					(TYPE2)
C503	1-128-813-11	CERAMIC	220PF	5%	50V
					(TYPE1)
C504	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C507	1-104-658-91	ELECT	100uF	20%	10V
C508	1-126-947-11	ELECT	47uF	20%	25V
C511	1-162-815-11	CERAMIC	47PF	5%	500V
C512	1-162-815-11	CERAMIC	47PF	5%	500V
C513	1-128-813-11	CERAMIC	220PF	5%	50V
C514	1-127-876-11	CERAMIC	0.01uF	10%	50V
C515	1-126-964-11	ELECT	10uF	20%	50V
C516	1-136-157-00	FILM	0.022uF	5%	50V
C551	1-126-963-11	ELECT	4.7uF	20%	50V
C552	1-128-809-11	CERAMIC	100PF	5%	50V
C553	1-128-809-11	CERAMIC	100PF	5%	50V
					(TYPE2)
C553	1-128-813-11	CERAMIC	220PF	5%	50V
					(TYPE1)
C554	1-102-233-00	CERAMIC	33PF	10%	500V
C556	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C557	1-104-658-91	ELECT	100uF	20%	10V
C558	1-126-947-11	ELECT	47uF	20%	25V
C561	1-162-815-11	CERAMIC	47PF	5%	500V
C562	1-162-815-11	CERAMIC	47PF	5%	500V
C563	1-128-813-11	CERAMIC	220PF	5%	50V
C564	1-127-876-11	CERAMIC	0.01uF	10%	50V
C565	1-126-964-11	ELECT	10uF	20%	50V
C566	1-136-157-00	FILM	0.022uF	5%	50V
C590	1-136-171-00	FILM	0.33uF	5%	50V
C592	1-136-175-00	FILM	0.68uF	5%	50V
C593	1-136-159-00	FILM	0.033uF	5%	50V
C594	1-137-190-91	FILM	0.22uF	5%	50V
C600	1-128-579-11	ELECT	2.2uF	20%	100V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C602	1-128-809-11	CERAMIC	100PF	5%	50V
C603	1-128-809-11	CERAMIC	100PF	5%	50V
					(TYPE2)
C603	1-128-813-11	CERAMIC	220PF	5%	50V
					(TYPE1)

As for the display of type1 and type2, refer to the SERVICE NOTE "Note on replacement POWER AMPLIFIER IC".

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C604	1-102-233-00	CERAMIC	33PF	10%	500V	C807	1-126-947-11	ELECT	47uF	20%	35V
C606	1-107-583-11	CERAMIC	3PF	0.25PF	500V	C808	1-126-947-11	ELECT	47uF	20%	35V
C607	1-104-658-91	ELECT	100uF	20%	10V	C811	1-136-497-81	FILM	0.1uF	5%	50V
C608	1-126-947-11	ELECT	47uF	20%	25V	C812	1-136-497-81	FILM	0.1uF	5%	50V
C611	1-162-815-11	CERAMIC	47PF	5%	500V	C813	1-100-968-11	ELECT	4700uF	20%	63V
C612	1-162-815-11	CERAMIC	47PF	5%	500V	C814	1-100-968-11	ELECT	4700uF	20%	63V
C613	1-128-813-11	CERAMIC	220PF	5%	50V	C815	1-128-582-11	ELECT	10uF	20%	100V
C614	1-127-876-11	CERAMIC	0.01uF	10%	50V	C816	1-128-582-11	ELECT	10uF	20%	100V
C615	1-126-964-11	ELECT	10uF	20%	50V	C821	1-127-888-11	CERAMIC	0.1uF	10%	50V
C616	1-136-157-00	FILM	0.022uF	5%	50V	C822	1-127-888-11	CERAMIC	0.1uF	10%	50V
C651	1-126-963-11	ELECT	4.7uF	20%	50V	C823	1-126-947-11	ELECT	47uF	20%	25V
C652	1-128-809-11	CERAMIC	100PF	5%	50V	C824	1-126-947-11	ELECT	47uF	20%	25V
C653	1-128-809-11	CERAMIC	100PF	5%	50V	C851	1-127-888-11	CERAMIC	0.1uF	10%	50V
C653	1-128-813-11	CERAMIC	220PF	5%	50V	C881	1-126-934-11	ELECT	220uF	20%	16V
					(TYPE2)	C882	1-126-964-11	ELECT	10uF	20%	50V
C654	1-102-233-00	CERAMIC	33PF	10%	500V	< CAPACITOR >					
C656	1-107-583-11	CERAMIC	3PF	0.25PF	500V	CC01	1-128-809-11	CERAMIC	100PF	5%	50V
C657	1-104-658-91	ELECT	100uF	20%	10V	(EXCEPT US, CND, MX)					
C658	1-126-947-11	ELECT	47uF	20%	25V	CC02	1-128-809-11	CERAMIC	100PF	5%	50V
C661	1-162-815-11	CERAMIC	47PF	5%	500V	(EXCEPT US, CND, MX)					
C662	1-162-815-11	CERAMIC	47PF	5%	500V	CC03	1-128-809-11	CERAMIC	100PF	5%	50V
						(EXCEPT US, CND, MX)					
C663	1-128-813-11	CERAMIC	220PF	5%	50V	CC04	1-128-809-11	CERAMIC	100PF	5%	50V
C664	1-127-876-11	CERAMIC	0.01uF	10%	50V	(EXCEPT US, CND, MX)					
C665	1-126-964-11	ELECT	10uF	20%	50V	CC11	1-127-876-11	CERAMIC	0.01uF	10%	50V
C666	1-136-157-00	FILM	0.022uF	5%	50V	(EXCEPT US, CND, MX)					
C700	1-128-579-11	ELECT	2.2uF	20%	100V	CC12	1-127-876-11	CERAMIC	0.01uF	10%	50V
						(EXCEPT US, CND, MX)					
C701	1-126-963-11	ELECT	4.7uF	20%	50V	CC13	1-127-876-11	CERAMIC	0.01uF	10%	50V
C702	1-128-809-11	CERAMIC	100PF	5%	50V	(EXCEPT US, CND, MX)					
C703	1-128-809-11	CERAMIC	100PF	5%	50V	CC14	1-127-876-11	CERAMIC	0.01uF	10%	50V
C703	1-128-813-11	CERAMIC	220PF	5%	50V	CC15	1-127-876-11	CERAMIC	0.01uF	10%	50V
					(TYPE1)	(EXCEPT US, CND, MX)					
C704	1-102-233-00	CERAMIC	33PF	10%	500V	CC16	1-127-876-11	CERAMIC	0.01uF	10%	50V
						(EXCEPT US, CND, MX)					
C706	1-107-583-11	CERAMIC	3PF	0.25PF	500V	(EXCEPT US, CND, MX)					
C707	1-104-658-91	ELECT	100uF	20%	10V	CC51	1-128-809-11	CERAMIC	100PF	5%	50V
C708	1-126-947-11	ELECT	47uF	20%	25V	(EXCEPT US, CND, MX)					
C711	1-162-815-11	CERAMIC	47PF	5%	500V	CC52	1-128-809-11	CERAMIC	100PF	5%	50V
C712	1-162-815-11	CERAMIC	47PF	5%	500V	(EXCEPT US, CND, MX)					
C713	1-128-813-11	CERAMIC	220PF	5%	50V	CC53	1-128-809-11	CERAMIC	100PF	5%	50V
C714	1-127-876-11	CERAMIC	0.01uF	10%	50V	(EXCEPT US, CND, MX)					
C715	1-126-964-11	ELECT	10uF	20%	50V	CC54	1-128-809-11	CERAMIC	100PF	5%	50V
C716	1-136-157-00	FILM	0.022uF	5%	50V	(EXCEPT US, CND, MX)					
C751	1-126-963-11	ELECT	4.7uF	20%	50V	< CONNECTOR >					
C752	1-128-809-11	CERAMIC	100PF	5%	50V	CN503	1-784-925-11	PIN, CONNECTOR 10P			
C753	1-128-809-11	CERAMIC	100PF	5%	50V	CN504	1-779-978-11	PIN, CONNECTOR 3P			
C753	1-128-813-11	CERAMIC	220PF	5%	50V	< CONNECTOR >					
					(TYPE1)						
C754	1-102-233-00	CERAMIC	33PF	10%	500V	CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P			
C756	1-107-583-11	CERAMIC	3PF	0.25PF	500V	* CNP502	1-766-715-11	CONNECTOR, BOARD TO BOARD 10P			
C757	1-104-658-91	ELECT	100uF	20%	10V	* CNP901	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P			
C758	1-126-947-11	ELECT	47uF	20%	25V	CNP902	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
C761	1-162-815-11	CERAMIC	47PF	5%	500V	CNP916	1-766-200-11	SOCKET, CONNECTOR PIN 5P			
C762	1-162-815-11	CERAMIC	47PF	5%	500V	< DIODE >					
C763	1-128-813-11	CERAMIC	220PF	5%	50V						
C766	1-136-157-00	FILM	0.022uF	5%	50V	D448	8-719-991-33	DIODE	1SS133T-72		
C801	1-135-798-11	CERAMIC	0.22uF		50V	D449	8-719-991-33	DIODE	1SS133T-72		
C802	1-135-798-11	CERAMIC	0.22uF		50V	D501	8-719-991-33	DIODE	1SS133T-72		
C803	1-126-936-11	ELECT	3300uF	20%	16V	D502	8-719-991-33	DIODE	1SS133T-72		
C806	1-126-947-11	ELECT	47uF	20%	35V	D503	8-719-991-33	DIODE	1SS133T-72		

As for the display of type1 and type2, refer to the SERVICE
NOTE "Note on replacement POWER AMPLIFIER IC" .

STR-K670P

Ver. 1.2

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D551	8-719-991-33	DIODE 1SS133T-72		Q509	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
D552	8-719-991-33	DIODE 1SS133T-72		Q551	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
D601	8-719-991-33	DIODE 1SS133T-72		Q552	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
D602	8-719-991-33	DIODE 1SS133T-72					
D603	8-719-991-33	DIODE 1SS133T-72		Q555	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
				Q556	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D651	8-719-991-33	DIODE 1SS133T-72		Q557	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
D652	8-719-991-33	DIODE 1SS133T-72		Q560	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
D701	8-719-991-33	DIODE 1SS133T-72		Q601	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
D702	8-719-991-33	DIODE 1SS133T-72					
D703	8-719-991-33	DIODE 1SS133T-72		Q602	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
				Q605	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D751	8-719-991-33	DIODE 1SS133T-72		Q606	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D752	8-719-991-33	DIODE 1SS133T-72		Q607	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
D791	8-719-991-33	DIODE 1SS133T-72		Q608	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
D801	8-719-933-95	DIODE HZS20-1LTA					
D802	8-719-068-28	DIODE HZ6.8BP-TK		Q651	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
				Q652	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
D804	6-500-522-11	DIODE 10EDB40-TA2B5		Q655	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D805	6-500-522-11	DIODE 10EDB40-TA2B5		Q656	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D806	6-500-522-11	DIODE 10EDB40-TA2B5		Q657	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
D807	6-500-522-11	DIODE 10EDB40-TA2B5					
D811	8-719-072-05	DIODE D5SBA20-4003		Q701	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
				Q702	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
D821	8-719-043-76	DIODE AK04V1		Q705	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D851	8-719-991-33	DIODE 1SS133T-72		Q706	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
D881	8-719-991-33	DIODE 1SS133T-72		Q707	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
D882	8-719-991-33	DIODE 1SS133T-72					
D883	8-719-991-33	DIODE 1SS133T-72		Q708	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
		< IC >		Q751	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
IC400	6-707-169-01	IC M61542FP		Q752	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
★ IC501	6-600-450-01	IC STK350-530-E (TYPE 2)		Q755	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
★ IC501	6-700-943-01	IC uPC2581V-S (TYPE 1)		Q756	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
IC502	8-759-167-88	IC NJM4565D					
★ IC601	6-600-450-01	IC STK350-530-E (TYPE 2)		Q801	8-729-140-97	TRANSISTOR 2SB734-T-34	
				Q851	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
★ IC601	6-700-943-01	IC uPC2581V-S (TYPE 1)		Q852	8-729-029-40	TRANSISTOR DTA124ESA-TP	
★ IC701	6-600-450-01	IC STK350-530-E (TYPE 2)		Q881	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
★ IC701	6-700-943-01	IC uPC2581V-S (TYPE 1)		Q882	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
IC821	8-759-071-48	IC TA7807S					
IC822	8-759-071-47	IC TA79007S		Q883	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
						< RESISTOR >	
IC850	8-759-167-88	IC NJM4565D		R401	1-247-831-91	CARBON 1K 5% 1/4W	
		< JACK >		R402	1-247-831-91	CARBON 1K 5% 1/4W	
J401	1-770-614-11	JACK, PIN 4P (VIDEO 1 / VIDEO 2)		R403	1-247-831-91	CARBON 1K 5% 1/4W	
J402	1-770-614-11	JACK, PIN 4P (DVD / SA-CD/CD)		R404	1-247-831-91	CARBON 1K 5% 1/4W	
J403	1-774-785-11	JACK, PIN 1P (SUB WOOFER)		R406	1-247-807-31	CARBON 100 5% 1/4W	
		< COIL >		R407	1-247-807-31	CARBON 100 5% 1/4W	
L501	1-420-872-52	COIL, AIR-CORE		R416	1-247-831-91	CARBON 1K 5% 1/4W	
L551	1-420-872-52	COIL, AIR-CORE		R449	1-247-831-91	CARBON 1K 5% 1/4W	
L601	1-420-872-52	COIL, AIR-CORE		R451	1-247-831-91	CARBON 1K 5% 1/4W	
L651	1-420-872-52	COIL, AIR-CORE		R452	1-247-831-91	CARBON 1K 5% 1/4W	
L701	1-420-872-52	COIL, AIR-CORE					
L751	1-420-872-52	COIL, AIR-CORE		R453	1-247-831-91	CARBON 1K 5% 1/4W	
		< TRANSISTOR >		R454	1-247-831-91	CARBON 1K 5% 1/4W	
Q471	8-729-922-37	TRANSISTOR 2SD2144S-TP-UVW		R469	1-247-831-91	CARBON 1K 5% 1/4W	
Q501	8-729-119-76	TRANSISTOR 2SA1115TP-EF		R471	1-249-415-11	CARBON 680 5% 1/4W	
Q502	8-729-141-30	TRANSISTOR 2SC3623ATP-LK		R472	1-247-831-91	CARBON 1K 5% 1/4W	
Q505	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP					
Q506	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP		R473	1-249-421-11	CARBON 2.2K 5% 1/4W	
				R479	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q507	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2		R500	1-247-863-91	CARBON 22K 5% 1/4W	
Q508	8-729-119-78	TRANSISTOR 2SC1740S-QRT					
				R500	1-247-871-91	CARBON 447K 5% 1/4W	(TYPE 1)
							(TYPE 2)
				R501	1-247-831-91	CARBON 1K 5% 1/4W	
				R502	1-249-439-11	CARBON 68K 5% 1/4W	
				R503	1-249-422-11	CARBON 2.7K 5% 1/4W	

★ : When replacing the POWER AMPLIFIER IC (IC501, 601, 701), refer to SERVICE NOTE " NOTE on replacement

POWER AMPLIFIER IC " (Page 4), so put the display of type1 and type2 in there.

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R504	1-249-439-11	CARBON	68K	5%	1/4W	R603	1-249-422-11	CARBON	2.7K	5%	1/4W
R505	1-249-421-11	CARBON	2.2K	5%	1/4W	R604	1-249-439-11	CARBON	68K	5%	1/4W
R506	1-249-440-11	CARBON	82K	5%	1/4W	R605	1-249-421-11	CARBON	2.2K	5%	1/4W
R507	1-249-414-11	CARBON	560	5%	1/4W	R606	1-249-440-11	CARBON	82K	5%	1/4W
△ R508	1-249-405-11	CARBON	100	5%	1/4W	R607	1-249-414-11	CARBON	560	5%	1/4W
△ R509	1-249-405-11	CARBON	100	5%	1/4W	△ R608	1-249-405-11	CARBON	100	5%	1/4W
△ R510	1-234-182-11	ENCAPSULATED COMPONENT				△ R609	1-249-405-11	CARBON	100	5%	1/4W
R511	1-247-847-91	CARBON	4.7K	5%	1/4W	△ R610	1-234-182-11	ENCAPSULATED COMPONENT			
△ R512	1-240-855-81	CARBON	6.2K	5%	1/4W	R611	1-247-847-91	CARBON	4.7K	5%	1/4W
R513	1-249-419-11	CARBON	1.5K	5%	1/4W	△ R612	1-240-855-81	CARBON	6.2K	5%	1/4W
R514	1-249-431-11	CARBON	15K	5%	1/4W	R613	1-249-419-11	CARBON	1.5K	5%	1/4W
R515	1-247-863-91	CARBON	22K	5%	1/4W	R614	1-249-431-11	CARBON	15K	5%	1/4W
R516	1-247-843-11	CARBON	3.3K	5%	1/4W	R615	1-247-863-91	CARBON	22K	5%	1/4W
R517	1-249-431-11	CARBON	15K	5%	1/4W	R616	1-247-843-11	CARBON	3.3K	5%	1/4W
R518	1-247-863-91	CARBON	22K	5%	1/4W	R617	1-249-431-11	CARBON	15K	5%	1/4W
R519	1-247-863-91	CARBON	22K	5%	1/4W	R618	1-247-863-91	CARBON	22K	5%	1/4W
R520	1-249-439-11	CARBON	68K	5%	1/4W	R619	1-247-863-91	CARBON	22K	5%	1/4W
△ R521	1-249-393-11	CARBON	10	5%	1/4W	R620	1-249-439-11	CARBON	68K	5%	1/4W
R522	1-247-871-91	CARBON	47K	5%	1/4W	△ R621	1-249-393-11	CARBON	10	5%	1/4W
△ R523	1-249-389-11	CARBON	4.7	5%	1/4W	R622	1-247-871-91	CARBON	47K	5%	1/4W
△ R524	1-249-404-00	CARBON	82	5%	1/4W	△ R623	1-249-389-11	CARBON	4.7	5%	1/4W
R525	1-249-421-11	CARBON	2.2K	5%	1/4W	△ R624	1-249-404-00	CARBON	82	5%	1/4W
R531	1-215-868-00	METAL OXIDE	680	5%	1W	R625	1-249-421-11	CARBON	2.2K	5%	1/4W
R532	1-215-868-00	METAL OXIDE	680	5%	1W	R651	1-247-831-91	CARBON	1K	5%	1/4W
R551	1-247-831-91	CARBON	1K	5%	1/4W	R652	1-249-439-11	CARBON	68K	5%	1/4W
R552	1-249-439-11	CARBON	68K	5%	1/4W	R653	1-249-422-11	CARBON	2.7K	5%	1/4W
R553	1-249-422-11	CARBON	2.7K	5%	1/4W	R654	1-249-439-11	CARBON	68K	5%	1/4W
R554	1-249-439-11	CARBON	68K	5%	1/4W	R655	1-249-421-11	CARBON	2.2K	5%	1/4W
R555	1-249-421-11	CARBON	2.2K	5%	1/4W	R656	1-249-440-11	CARBON	82K	5%	1/4W
R556	1-249-440-11	CARBON	82K	5%	1/4W	R657	1-249-414-11	CARBON	560	5%	1/4W
R557	1-249-414-11	CARBON	560	5%	1/4W	△ R658	1-249-405-11	CARBON	100	5%	1/4W
△ R558	1-249-405-11	CARBON	100	5%	1/4W	△ R659	1-249-405-11	CARBON	100	5%	1/4W
△ R559	1-249-405-11	CARBON	100	5%	1/4W	△ R660	1-234-182-11	ENCAPSULATED COMPONENT			
△ R560	1-234-182-11	ENCAPSULATED COMPONENT				R661	1-247-847-91	CARBON	4.7K	5%	1/4W
R561	1-247-847-91	CARBON	4.7K	5%	1/4W	△ R662	1-240-855-81	CARBON	6.2K	5%	1/4W
△ R562	1-240-855-81	CARBON	6.2K	5%	1/4W	R663	1-249-419-11	CARBON	1.5K	5%	1/4W
R563	1-249-419-11	CARBON	1.5K	5%	1/4W	R664	1-249-431-11	CARBON	15K	5%	1/4W
R564	1-249-431-11	CARBON	15K	5%	1/4W	R665	1-247-863-91	CARBON	22K	5%	1/4W
R565	1-247-863-91	CARBON	22K	5%	1/4W	R666	1-247-843-11	CARBON	3.3K	5%	1/4W
R566	1-247-843-11	CARBON	3.3K	5%	1/4W	R667	1-249-431-11	CARBON	15K	5%	1/4W
R567	1-249-431-11	CARBON	15K	5%	1/4W	R668	1-247-863-91	CARBON	22K	5%	1/4W
R568	1-247-863-91	CARBON	22K	5%	1/4W	R669	1-247-863-91	CARBON	22K	5%	1/4W
R569	1-247-863-91	CARBON	22K	5%	1/4W	R670	1-249-439-11	CARBON	68K	5%	1/4W
R570	1-249-439-11	CARBON	68K	5%	1/4W	△ R671	1-249-393-11	CARBON	10	5%	1/4W
△ R571	1-249-393-11	CARBON	10	5%	1/4W	R672	1-247-871-91	CARBON	47K	5%	1/4W
R572	1-247-871-91	CARBON	47K	5%	1/4W	△ R673	1-249-389-11	CARBON	4.7	5%	1/4W
△ R573	1-249-389-11	CARBON	4.7	5%	1/4W	R700	1-247-863-91	CARBON	22K	5%	1/4W (TYPE 1)
R591	1-249-421-11	CARBON	2.2K	5%	1/4W	R700	1-247-871-91	CARBON	447K	5%	1/4W (TYPE 2)
R593	1-247-874-11	CARBON	62K	5%	1/4W	R701	1-247-831-91	CARBON	1K	5%	1/4W
R594	1-247-863-91	CARBON	22K	5%	1/4W	R702	1-249-439-11	CARBON	68K	5%	1/4W
R595	1-249-427-11	CARBON	6.8K	5%	1/4W	R703	1-249-422-11	CARBON	2.7K	5%	1/4W
R596	1-249-427-11	CARBON	6.8K	5%	1/4W	R704	1-249-439-11	CARBON	68K	5%	1/4W
R597	1-247-887-00	CARBON	220K	5%	1/4W	R705	1-249-421-11	CARBON	2.2K	5%	1/4W
R600	1-247-863-91	CARBON	22K	5%	1/4W (TYPE 1)	R706	1-249-440-11	CARBON	82K	5%	1/4W
R600	1-247-871-91	CARBON	447K	5%	1/4W (TYPE 2)	R707	1-249-414-11	CARBON	560	5%	1/4W
R601	1-247-831-91	CARBON	1K	5%	1/4W	△ R708	1-249-405-11	CARBON	100	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W	△ R709	1-249-405-11	CARBON	100	5%	1/4W
						△ R710	1-234-182-11	ENCAPSULATED COMPONENT			
						R711	1-247-847-91	CARBON	4.7K	5%	1/4W

As for the display of type1 and type2, refer to the SERVICE
NOTE "Note on replacement POWER AMPLIFIER IC" .

STR-K670P

Ver. 1.3

MAIN	POWER	STANDBY
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Ref. No.	Part No.	Description			Remark
△ R712	1-240-855-81	CARBON	6.2K	5%	1/4W
R713	1-249-419-11	CARBON	1.5K	5%	1/4W
R714	1-249-431-11	CARBON	15K	5%	1/4W
R715	1-247-863-91	CARBON	22K	5%	1/4W
R716	1-247-843-11	CARBON	3.3K	5%	1/4W
R717	1-249-431-11	CARBON	15K	5%	1/4W
R718	1-247-863-91	CARBON	22K	5%	1/4W
R719	1-247-863-91	CARBON	22K	5%	1/4W
R720	1-249-439-11	CARBON	68K	5%	1/4W
△ R721	1-249-393-11	CARBON	10	5%	1/4W
R722	1-247-871-91	CARBON	47K	5%	1/4W
△ R723	1-249-389-11	CARBON	4.7	5%	1/4W
△ R724	1-249-404-00	CARBON	82	5%	1/4W
R725	1-249-421-11	CARBON	2.2K	5%	1/4W
R751	1-247-831-91	CARBON	1K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-419-11	CARBON	1.5K	5%	1/4W
R754	1-249-439-11	CARBON	68K	5%	1/4W
R755	1-249-421-11	CARBON	2.2K	5%	1/4W
R756	1-249-440-11	CARBON	82K	5%	1/4W
R757	1-249-414-11	CARBON	560	5%	1/4W
△ R758	1-249-405-11	CARBON	100	5%	1/4W
△ R759	1-249-405-11	CARBON	100	5%	1/4W
△ R760	1-234-182-11	ENCAPSULATED COMPONENT			
R761	1-247-847-91	CARBON	4.7K	5%	1/4W
R762	1-240-855-81	CARBON	6.2K	5%	1/4W
R763	1-249-419-11	CARBON	1.5K	5%	1/4W
R764	1-249-431-11	CARBON	15K	5%	1/4W
R765	1-247-863-91	CARBON	22K	5%	1/4W
R766	1-247-863-91	CARBON	22K	5%	1/4W
R770	1-249-439-11	CARBON	68K	5%	1/4W
△ R771	1-249-393-11	CARBON	10	5%	1/4W
R772	1-247-871-91	CARBON	47K	5%	1/4W
△ R773	1-249-389-11	CARBON	4.7	5%	1/4W
R780	1-247-847-91	CARBON	4.7K	5%	1/4W
R783	1-247-871-91	CARBON	47K	5%	1/4W
R791	1-249-421-11	CARBON	2.2K	5%	1/4W
△ R793	1-249-404-00	CARBON	82	5%	1/4W
△ R802	1-249-409-11	CARBON	220	5%	1/4W
△ R803	1-249-389-11	CARBON	4.7	5%	1/4W
R804	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-247-863-91	CARBON	22K	5%	1/4W
△ R815	1-249-381-11	CARBON	1	5%	1/4W
△ R816	1-249-381-11	CARBON	1	5%	1/4W
R851	1-249-429-11	CARBON	10K	5%	1/4W
R852	1-249-429-11	CARBON	10K	5%	1/4W
R853	1-249-429-11	CARBON	10K	5%	1/4W
R854	1-249-435-11	CARBON	33K	5%	1/4W
R855	1-247-887-00	CARBON	220K	5%	1/4W
R856	1-247-895-00	CARBON	470K	5%	1/4W
R857	1-249-429-11	CARBON	10K	5%	1/4W
R858	1-215-888-00	METAL OXIDE	220	5%	2W
R858	1-215-889-00	METAL OXIDE	330	5%	2W
R858	1-216-452-11	METAL OXIDE	180	5%	2W
R858	1-216-453-00	METAL OXIDE	270	5%	2W
R859	1-215-888-00	METAL OXIDE	220	5%	2W

Ref. No.	Part No.	Description			Remark
R859	1-215-889-00	METAL OXIDE	330	5%	2W
R859	1-216-453-00	METAL OXIDE	270	5%	2W
R882	1-249-429-11	CARBON	10K	5%	1/4W
R883	1-249-427-11	CARBON	6.8K	5%	1/4W
R884	1-249-436-11	CARBON	39K	5%	1/4W
R885	1-247-831-91	CARBON	1K	5%	1/4W
△ R910	1-243-635-11	FUSIBLE	0.33	5%	1/2W
< RESISTOR >					
RR11	1-249-393-11	CARBON	10	5%	1/4W
RR12	1-249-393-11	CARBON	10	5%	1/4W
RR13	1-249-393-11	CARBON	10	5%	1/4W
RR14	1-249-393-11	CARBON	10	5%	1/4W
RR15	1-249-393-11	CARBON	10	5%	1/4W
RR16	1-249-393-11	CARBON	10	5%	1/4W
< RELAY >					
RY501	1-755-416-12	RELAY			
RY502	1-755-416-12	RELAY			
RY601	1-755-416-12	RELAY			
RY701	1-755-416-12	RELAY			
RY702	1-755-267-11	RELAY			
< TERMINAL >					
TM600	1-694-805-11	TERMINAL BOARD (FRONT / CENTER)			
TM601	1-694-805-11	TERMINAL BOARD			
(SURROUND / SUB WOOFER)					

POWER BOARD					

< RESISTOR >					
R115	1-249-421-11	CARBON	2.2K	5%	1/4W
< SWITCH >					
S114	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S115	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S152	1-771-410-21	SWITCH, TACTILE (I/Ⓢ)			

A-1082-613-A STANDBY BOARD, COMPLETE (US, CND)					
A-1083-592-A STANDBY BOARD, COMPLETE					
(EXCEPT US, CND, E51, MX)					
A-1083-669-A STANDBY BOARD, COMPLETE (MX)					
A-1083-980-A STANDBY BOARD, COMPLETE (E51)					
U	A-1148-678-A	STANDBY BOARD, COMPLETE (AR)			

< CAPACITOR >					
C901	1-135-798-11	CERAMIC	0.22uF		50V
C902	1-135-798-11	CERAMIC	0.22uF		50V
C911	1-135-798-11	CERAMIC	0.22uF		50V
C912	1-135-798-11	CERAMIC	0.22uF		50V
C913	1-126-959-11	ELECT	0.47uF	20%	50V

As for the display of type1 and type2, refer to the SERVICE NOTE "Note on replacement POWER AMPLIFIER IC" .

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark			
C914	1-126-936-11	ELECT	3300uF	20%	16V			TUNING BOARD				
C915	1-126-943-11	ELECT	2200uF	20%	25V			*****				
C916	1-126-942-61	ELECT	1000uF	20%	25V							
< CONNECTOR >								< RESISTOR >				
CNP801	1-784-922-11	PIN, CONNECTOR	5P			R132	1-249-413-11	CARBON	470	5%	1/4W	
CNP900	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH)	2P			R133	1-247-831-91	CARBON	1K	5%	1/4W	
CNP903	1-564-506-11	PLUG, CONNECTOR	3P			R134	1-247-831-91	CARBON	1K	5%	1/4W	
CNP904	1-794-577-21	PIN, CONNECTOR (POWER)				R135	1-249-421-11	CARBON	2.2K	5%	1/4W	
CNP906	1-766-203-11	PLUG, CONNECTOR PIN (PC BOARD)	5P			R136	1-249-421-11	CARBON	2.2K	5%	1/4W	
< DIODE >								< SWITCH >				
D901	8-719-991-33	DIODE	1SS133T-72			S131	1-771-410-21	SWITCH, TACTILE (-(TUNING)				
D910	6-500-522-11	DIODE	10EDB40-TA2B5			S132	1-771-410-21	SWITCH, TACTILE (FM MODE)				
D911	6-500-522-11	DIODE	10EDB40-TA2B5			S133	1-771-410-21	SWITCH, TACTILE (MEMORY)				
D912	6-500-522-11	DIODE	10EDB40-TA2B5			S134	1-771-410-21	SWITCH, TACTILE (-(PRESET TUNING)				
D913	6-500-522-11	DIODE	10EDB40-TA2B5			S135	1-771-410-21	SWITCH, TACTILE (+(PRESET TUNING)				
D914	8-719-991-33	DIODE	1SS133T-72			S136	1-771-410-21	SWITCH, TACTILE (+(TUNING)	*****			
D915	8-719-991-33	DIODE	1SS133T-72									
D920	6-500-522-11	DIODE	10EDB40-TA2B5					MISCELLANEOUS				
D921	6-500-522-11	DIODE	10EDB40-TA2B5					*****				
D922	6-500-522-11	DIODE	10EDB40-TA2B5			11	1-828-993-11	WIRE (FLAT TYPE) (17 CORE)				
D923	6-500-522-11	DIODE	10EDB40-TA2B5			△ 59	1-777-071-23	CORD, POWER (EXCEPT US, CND, MX, AUS)				
< FUSE HOLDER >						△ 59	1-783-820-11	CORD, POWER (US, CND)				
FH902	1-533-217-41	HOLDER, FUSE				△ 59	1-783-941-12	CORD, POWER (AR)				
FH952	1-533-217-41	HOLDER, FUSE				△ 59	1-827-295-22	CORD, POWER (AUS)				
< GROUND TERMINAL >						△ 59	1-829-627-11	POWER-SUPPLY CORD (MX)				
G901	1-537-738-21	TERMINAL, GROUND (US, CND)				61	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)				
< TRANSISTOR >						61	1-828-980-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, RU)				
Q901	8-729-119-78	TRANSISTOR	2SC1740S-QRT			△ F901	1-532-464-32	FUSE 2.5A/250V (E51)				
Q911	8-729-119-78	TRANSISTOR	2SC1740S-QRT			△ F901	1-532-503-32	FUSE T1.6AL/250V	(EXCEPT US, CND, E51, MX, AR)			
< RESISTOR >												
△ R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W	△ F901	1-532-503-33	FUSE T1.6AL/250V (AR)				
△ R812	1-243-634-91	FUSIBLE	0.22	5%	1/2W	△ F901	1-533-452-12	FUSE, GLASS TUBE (DIA. 5) 4A/125V	(US, CND)			
△ R900	1-219-237-91	SOLID	3.3M	20%	1/2W							
R903	1-247-871-91	CARBON	47K	5%	1/4W	△ F901	1-533-468-12	FUSE, GLASS TUBE (DIA. 5) 2A/250V (MX)				
R904	1-247-847-91	CARBON	4.7K	5%	1/4W	Q503	6-702-390-01	IC MN2488-OPY-MK				
△ R905	1-249-381-11	CARBON	1	5%	1/4W	Q504	6-702-391-01	IC MP1620-OPY-MK				
R911	1-247-871-91	CARBON	47K	5%	1/4W	Q553	6-702-390-01	IC MN2488-OPY-MK				
R912	1-249-435-11	CARBON	33K	5%	1/4W	Q554	6-702-391-01	IC MP1620-OPY-MK				
R913	1-249-429-11	CARBON	10K	5%	1/4W	Q603	6-702-390-01	IC MN2488-OPY-MK				
< RELAY >						Q604	6-702-391-01	IC MP1620-OPY-MK				
△ RY901	1-755-439-11	RELAY				Q653	6-702-390-01	IC MN2488-OPY-MK				
< TRANSFORMER >						Q654	6-702-391-01	IC MP1620-OPY-MK				
△ T902	1-443-516-11	POWER TRANSFORMER (US, CND)				Q703	6-702-390-01	IC MN2488-OPY-MK				
△ T902	1-443-517-11	POWER TRANSFORMER	(EXCEPT US, CND, E51, MX)			Q704	6-702-391-01	IC MP1620-OPY-MK				
						Q753	6-702-390-01	IC MN2488-OPY-MK				
△ T902	1-443-518-11	POWER TRANSFORMER (MX)				Q754	6-702-391-01	IC MP1620-OPY-MK				
△ T902	1-443-520-11	POWER TRANSFORMER (E51)	*****			△ T901	1-443-185-11	POWER TRANSFORMER (US, CND)				
						△ T901	1-443-186-11	POWER TRANSFORMER (E51)				
						△ T901	1-443-521-11	POWER TRANSFORMER (MX)				
						△ T901	1-443-629-11	POWER TRANSFORMER	(EXCEPT US, CND, E51, MX)			
						TN1	1-693-675-11	TUNER UNIT (MX, AR)				
						TN1	1-693-675-21	TUNER UNIT (US, CND, E51)				
						TN1	1-693-676-21	TUNER UNIT (AEP, UK, RU)				
						TN1	1-693-678-11	TUNER UNIT (SP, SP6, AUS)				

MEMO

STR-K670P

SONY

SERVICE MANUAL

Ver. 1.2 2006.04

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model*

SUPPLEMENT-1

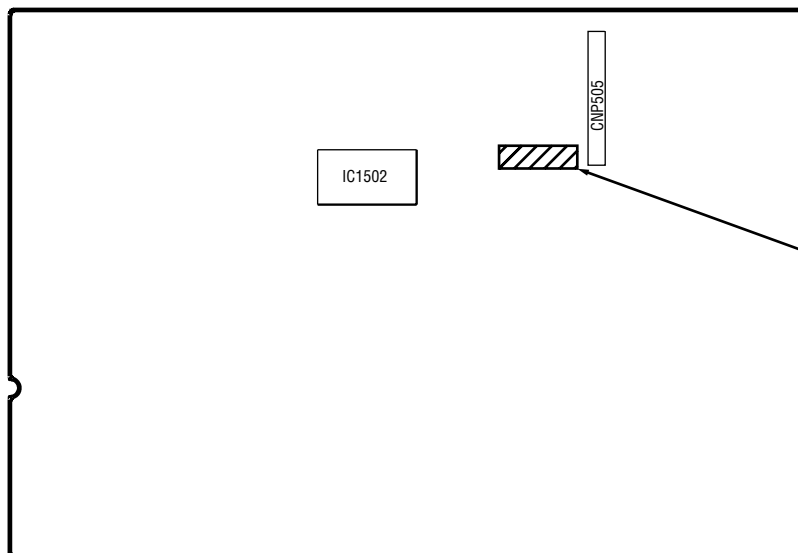
Subject: DIGITAL board changed to 1-866-751-11 from 1-864-854-11 on part number

Part number of printed wiring board changed to 1-866-751-11 from 1-864-854-11.
It has any difference between part number 1-864-854-11 and part number 1-866-751-11.
This supplement-1 describes the difference in the two boards.
Refer to original service manual (9-879-447-0□) for other information.

- **How to distinguish**

Location of parts number on changed printed wiring board

DIGITAL BOARD (SIDE A)



Part number
1-864-854-11 (for original service manual)
1-866-751-11 (for SUPPLEMENT-1)

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

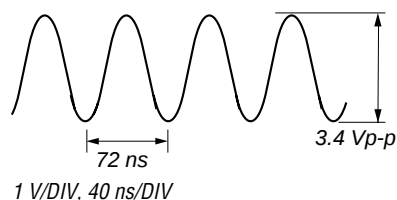
For Schematic Diagrams.

Note:

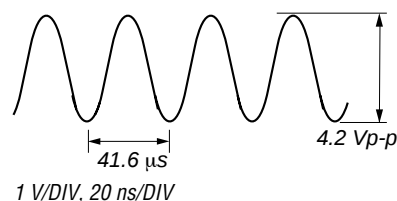
- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.
-  : B+ Line.
-  : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- No mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 -  : FM
 -  : ANALOG
 -  : DIGITAL
- Abbreviation
 - AR : Argentina model
 - AUS : Australian model
 - CND : Canadian model
 - E51 : Chilean and Peruvian models
 - MX : Mexican model
 - RU : Russian model
 - SP : Singapore model
 - SP6 : Singapore and Malaysia models

• Waveforms

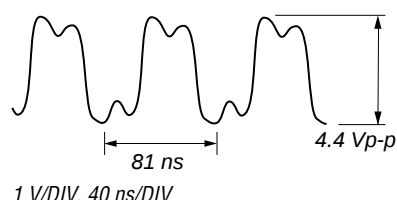
⑪ IC1501 ⑨ (MCLK1)



⑫ IC1101 ⑧ (X1)



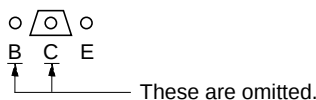
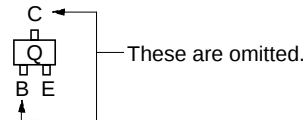
⑬ IC1301 ② (XIN)



For Printed Wiring Boards.

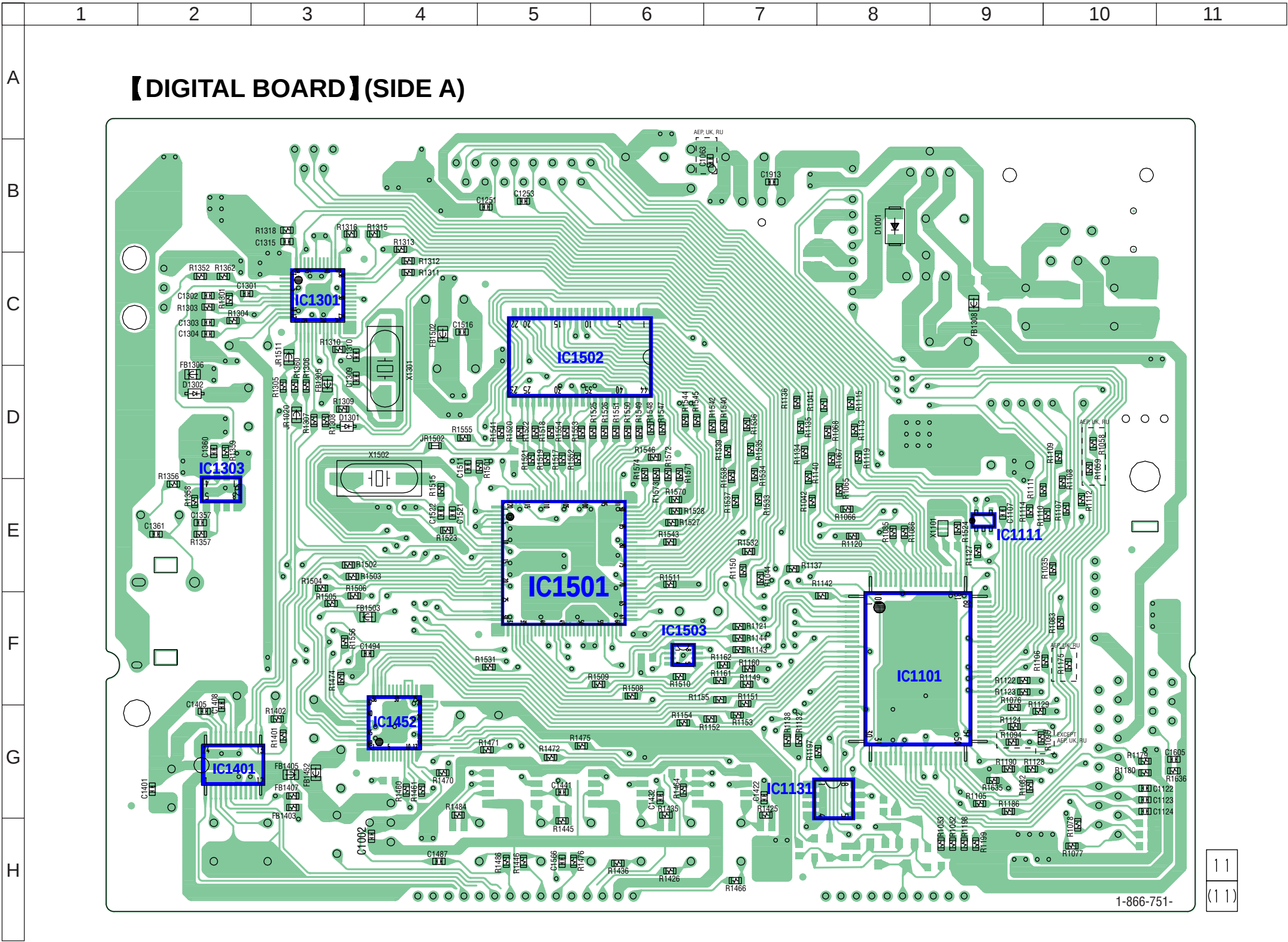
Note:

-  : parts extracted from the component side.
-  : Through hole.
-  : internal component.
-  : Pattern from the side which enables seeing.
- Indication of transistor.



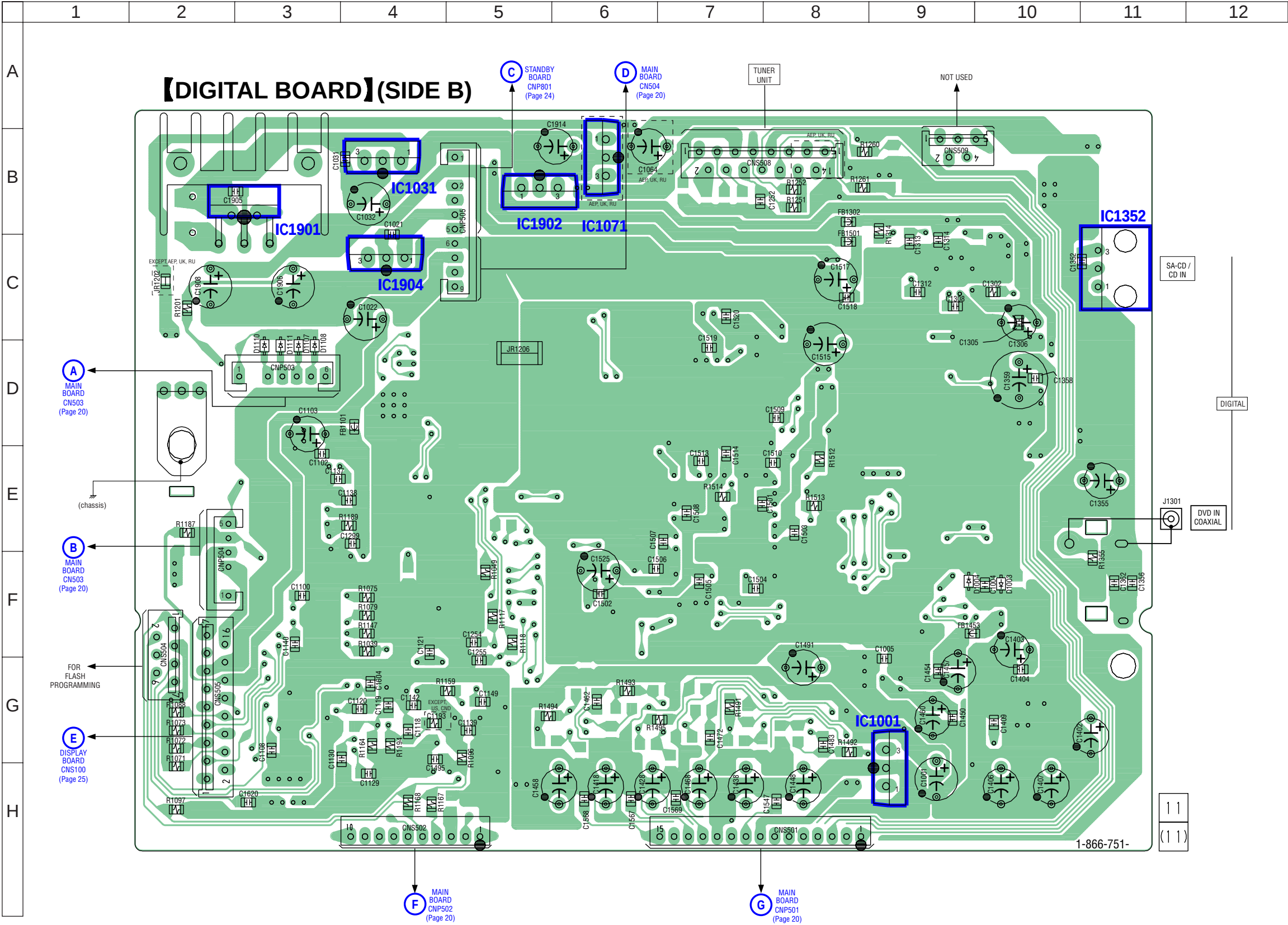
Caution:

Pattern face side:	Parts on the pattern face side seen from (Side B)
Parts face side:	Parts on the parts face side seen from (Side A)



• Semiconductor

Ref. No.	Location
D1001	B-8
D1301	D-3
D1302	D-2
IC1101	F-8
IC1111	E-9
IC1131	G-7
IC1301	C-3
IC1303	D-2
IC1401	G-2
IC1452	G-4
IC1501	E-5
IC1502	C-5
IC1503	F-6

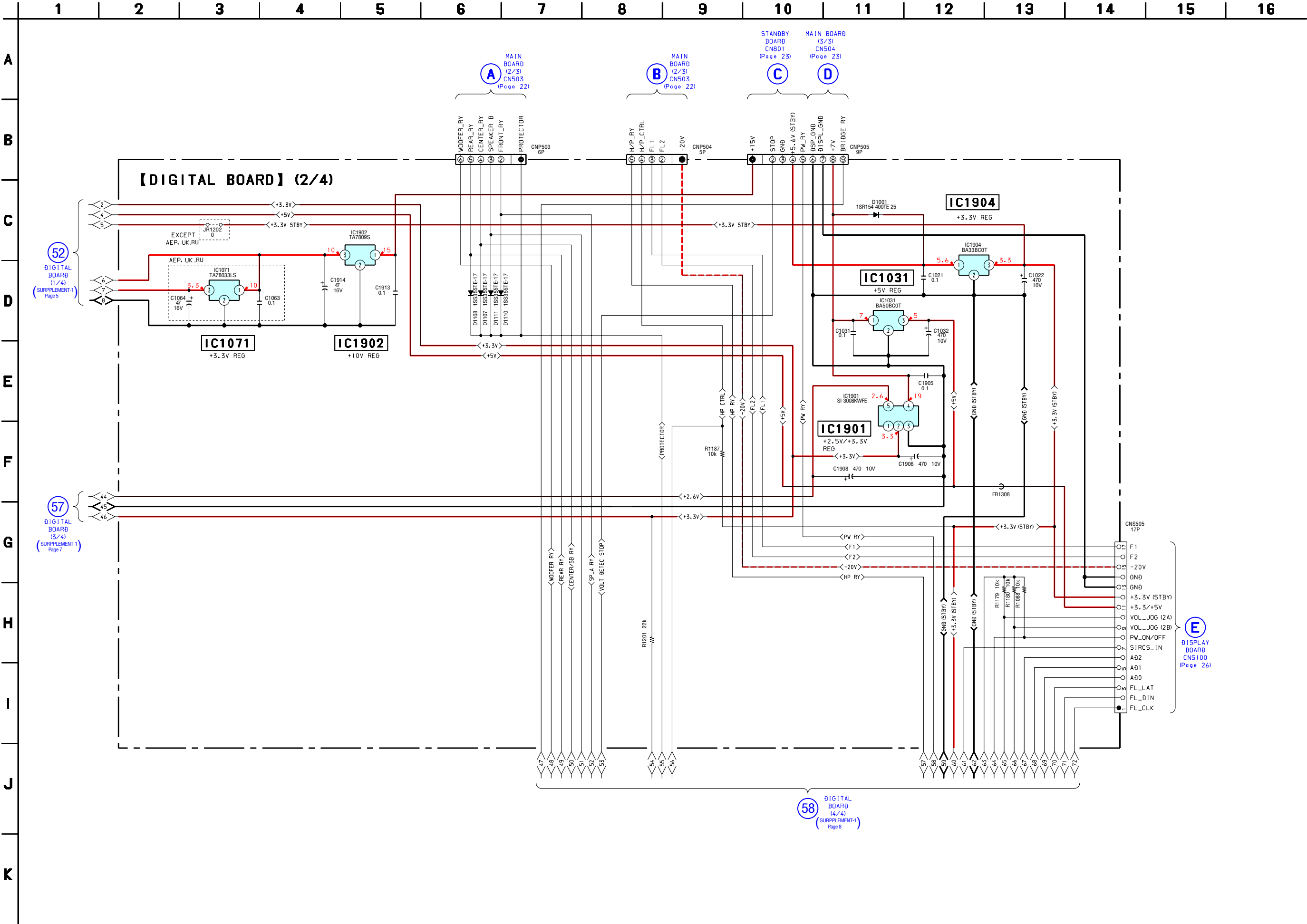


• Semiconductor Location

Ref. No.	Location
D1003	F-10
D1004	F-10
D1107	D-3
D1108	D-3
D1110	D-3
D1111	D-3
IC1001	G-9
IC1031	B-4
IC1071	B-6
IC1352	B-11
IC1901	B-3
IC1902	B-5
IC1904	C-4

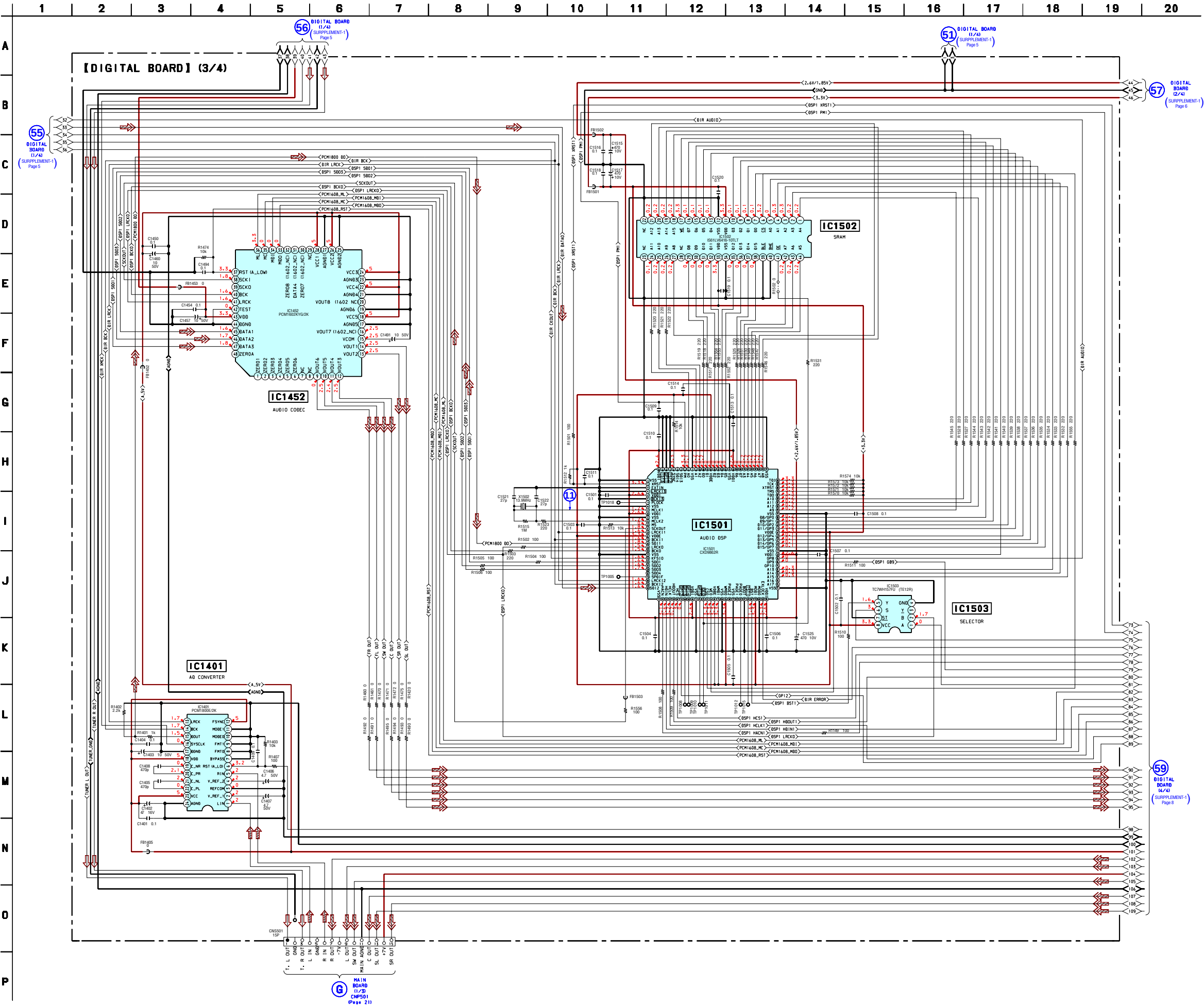
- See page 2 (SUPPLEMENT-1) for Waveform.





SCHEMATIC DIAGRAM – DIGITAL BOARD (3/4) –

• See page 2 (SUPPLEMENT-1) for Waveform.



SCHEMATIC DIAGRAM – DIGITAL BOARD (4/4) –

- See page 9 (SUPPLEMENT-1) for IC Pin Function Description.



• IC Pin Function Description

DIGITAL BOARD IC1101 MB90488BPF-G-130E1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DATAO	I	Audio data signal input from DIR
2	GP9	I	GP9 signal input from DSP
3	BST	O	BST signal output to DSP
4	HCS	O	HCS signal output to DSP
5	HACN	I	HACN signal input from DSP
6	XRST	O	Reset signal output to DSP
7	PM	O	PM signal output to DSP
8	GP12	O	GP12 signal output to DSP
9	PCM1800_RST	O	IC reset signal output to ADC
10	PCM1608_RST	O	IC reset signal output to DAC
11	VSS	—	Ground terminal
12	PCM1608_ML	O	Latch signal output to DAC
13	PCM1608_MC	O	Clock signal output to DAC
14	PCM1608_MDI	O	IC data output to DAC
15	PCM1608_MDO	I	IC data input to DAC
16	T.SERIAL_CLK	O	Tuner clock signal output terminal
17	TUNER_DATA	O	Tuner data signal output terminal
18	HDOUT	I	HDOUT signal input from DSP
19	HDIN	O	HDIN signal output to DSP
20	HCLK	O	Clock signal output to DSP
21	DLY_BYPASS	—	Connected to ground terminal
22	DIR/AD	—	Connected to ground terminal
23	VCC5	—	Power supply
24	SYS_MUTE	O	Muting and error signal output
25	ANA/DIG	—	Analog signal or digital signal output terminal (Not used)
26	UPCON_RST	—	Not used
27	FLASH2_VOL/VOL_CLK	O	Volume IC clock signal output terminal
28	FLASH1_VOL/VOL_DATA_LATCH	O	Volume IC data and latch signal output terminal
29	SDA	I	EEPROM data signal input terminal
30	SCL	O	EEPROM clock signal output terminal
31	ENC_A	—	Short to ground terminal
32	ENC_B	—	Short to ground terminal
33	UPCON	—	Not used
34	UPCON_CLK	—	Not used
35	AVCC	—	Analog power supply
36	AVRH	I	Analog reference voltage input
37	AVSS	—	Analog ground terminal
38	A/D0	I	Function key push signal input
39	A/D1	I	Function key push signal input
40	A/D2	I	Function key push signal input
41	VERSION	I	Version setting input terminal (DESTINATION)
42	VSS	—	Ground terminal
43	RDS SIG	I	RDS signal detect input
44	MODEL	I	Version setting input (MODEL)
45	VOL_ENC (A)	I	Volume signal input from rotary encoder
46	VOL_ENC (B)	I	Volume signal input from rotary encoder
47	BLUE_LED	—	Not used

Pin No.	Pin Name	I/O	Description
48	STOP	I	AC off detect signal input
49	MD0	I	Operation mode setting input
50	MD1	I	Operation mode setting input
51	MD2	I	Operation mode setting input
52	RDS_CLK	I	RDS clock signal input (Not used)
53	RDS_DATA	I	RDS data signal input (Not used)
54	SIRCS	I	Data signal input from the remote control sensor
55	HP_DETECT	I	Headphone signal input
56	POWER_KEY	I	Power switch key detect signal input
57	FL_LAT	O	FL driver latch signal output terminal
58	POWER_RY	O	Power relay control signal output
59	FL_DATA	O	FL driver signal output terminal
60	FL_CLK	O	FL driver clock signal output terminal
61	PROTECTOR	I	Protector status detect signal input
62	HP_RY	O	Headphone relay control signal output
63	FUSE_DETECT	I	Fuse detect signal input
64	NTSC_PAL_SW	—	Short to ground terminal
65	COMPO_SW2/A1_IN\\	—	Short to ground terminal
66	FRONT_RY	O	Front speaker relay control signal output
67	SP_B_RY	O	Front speaker B relay control signal output
68	C/SB_RY	O	Center speaker or Subwoofer control signal output
69	REAR_RY	O	Rear speaker relay control signal output
70	SW_RY	—	Short to ground terminal
71	COMPO_SW1/A1_OUT	—	Short to ground terminal
72	BRIDGEABLE_RY	O	Bridgeable relay control
73	DO	I	Frequency data signal input from the tuner
74	SLATCH	O	Latch signal output to the tuner
75	TUNED	I	Tuning a frequency signal input from the tuner
76	STEREO	I	Stereo tuning signal input from the tuner
77	RSTX	I	System reset
78	MUTE	O	Muting signal output to the tuner
79	X1A	—	Not used
80	X0A	—	Ground terminal
81	VSS	—	Ground terminal
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	VCC3	—	Power supply
85	GROUPING_SW	—	Not used
86	SW1	O	Video select control signal output
87	SW2	O	Video select control signal output
88	SW3	O	Video select control signal output
89	SW4	O	Video select control signal output
90	SELECT2	—	Not used
91	SELECT1	—	Not used
92	BST_SEL	O	BST signal output terminal
93	XMODE	O	Reset signal output to DIR
94	CKSEL 1	O	CKSEL control signal to DIR
95	CLK	O	Clock signal output to DIR
96	CE	O	Chip enable signal output to DIR

Pin No.	Pin Name	I/O	Description
97	DI	O	Data signal output to DIR
98	DO	I	Data signal input from DIR
99	ERROR	I	PLL error muting signal input from DIR
100	XSTATE	I	XSTATE data signal input from DIR

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
uF: μ F
- COILS
uH: μ H

- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . : μ A. ., uPA. . : μ PA. .,
uPB. . : μ PB. ., uPC. . : μ PC. .,
uPD. . : μ PD. .

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

- Abbreviation
AR : Argentina model
AUS : Australian model
CND : Canadian model
E51 : Chilean and Peruvian models
MX : Mexican model
RU : Russian model
SP : Singapore model
SP6 : Singapore and Malaysia model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1082-618-A	DIGITAL BOARD, COMPLETE (US, CND)		C1255	1-162-960-11	CERAMIC CHIP 220PF 10% 50V	
	A-1083-438-A	DIGITAL BOARD, COMPLETE (AEP, UK, RU)		C1299	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
	A-1083-593-A	DIGITAL BOARD, COMPLETE (SP, SP6)		C1301	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
	A-1083-642-A	DIGITAL BOARD, COMPLETE (AUS)		C1302	1-162-974-11	CERAMIC CHIP 0.01uF 50V	
	A-1083-670-A	DIGITAL BOARD, COMPLETE (MX)		C1303	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
	A-1083-982-A	DIGITAL BOARD, COMPLETE (E51)		C1304	1-162-974-11	CERAMIC CHIP 0.01uF 50V	
	A-1148-681-A	DIGITAL BOARD, COMPLETE (AR)					
	*****			C1305	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		C1306	1-126-947-11	ELECT 47uF 20% 35V	
	< CAPACITOR >			C1308	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1001	1-126-925-91	ELECT 470uF 20% 10V		C1309	1-162-918-11	CERAMIC CHIP 18PF 5% 50V	
C1002	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1310	1-162-918-11	CERAMIC CHIP 18PF 5% 50V	
C1004	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V		C1312	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1005	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1313	1-162-927-11	CERAMIC CHIP 100PF 5% 50V	
C1021	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1314	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
				C1315	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1022	1-126-925-91	ELECT 470uF 20% 10V		C1352	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1031	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1355	1-104-662-91	ELECT 22uF 20% 25V	
C1032	1-126-925-91	ELECT 470uF 20% 10V		C1356	1-162-974-11	CERAMIC CHIP 0.01uF 50V	
C1063	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1357	1-162-905-11	CERAMIC CHIP 1PF 0.25PF 50V	
		(AEP, UK, RU)		C1358	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1064	1-126-947-11	ELECT 47uF 20% 35V		C1359	1-126-916-11	ELECT 1000uF 20% 6.3V	
		(AEP, UK, RU)		C1360	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C1100	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1361	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1102	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1362	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1103	1-126-947-11	ELECT 47uF 20% 35V		C1401	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1107	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1402	1-126-947-11	ELECT 47uF 20% 35V	
C1108	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1403	1-126-964-11	ELECT 10uF 20% 50V	
C1118	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1404	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1119	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1405	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
C1120	1-162-974-11	CERAMIC CHIP 0.01uF 50V		C1406	1-126-963-11	ELECT 4.7uF 20% 50V	
C1121	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1407	1-126-963-11	ELECT 4.7uF 20% 50V	
C1122	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1408	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
C1123	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1409	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1124	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1418	1-126-964-11	ELECT 10uF 20% 50V	
C1129	1-162-974-11	CERAMIC CHIP 0.01uF 50V		C1422	1-216-864-11	SHORT CHIP 0	
C1130	1-162-974-11	CERAMIC CHIP 0.01uF 50V		C1428	1-126-964-11	ELECT 10uF 20% 50V	
C1137	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V		C1432	1-216-864-11	SHORT CHIP 0	
C1138	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1438	1-126-964-11	ELECT 10uF 20% 50V	
C1139	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1441	1-216-864-11	SHORT CHIP 0	
C1140	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1448	1-126-964-11	ELECT 10uF 20% 50V	
C1142	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1450	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1149	1-162-960-11	CERAMIC CHIP 220PF 10% 50V		C1454	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C1251	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1457	1-126-964-11	ELECT 10uF 20% 50V	
C1252	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1458	1-126-964-11	ELECT 10uF 20% 50V	
C1253	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		C1460	1-126-964-11	ELECT 10uF 20% 50V	
C1254	1-162-960-11	CERAMIC CHIP 220PF 10% 50V					

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
C1462	1-216-864-11	SHORT CHIP	0				D1001	8-719-053-18	DIODE 1SR154-400TE-25				
C1468	1-126-964-11	ELECT	10uF	20%	50V		D1003	8-719-049-09	DIODE 1SS367-T3SONY				
C1472	1-216-864-11	SHORT CHIP	0				D1004	8-719-049-09	DIODE 1SS367-T3SONY				
C1483	1-216-864-11	SHORT CHIP	0				D1107	8-719-988-61	DIODE 1SS355TE-17				
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		D1108	8-719-988-61	DIODE 1SS355TE-17				
C1491	1-126-964-11	ELECT	10uF	20%	50V								
C1494	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		D1110	8-719-988-61	DIODE 1SS355TE-17				
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V		D1111	8-719-988-61	DIODE 1SS355TE-17				
C1501	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		D1301	8-719-988-61	DIODE 1SS355TE-17				
C1502	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		D1302	8-719-988-61	DIODE 1SS355TE-17				
C1503	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V				< FERRITE BEAD >				
C1504	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1101	1-400-862-11	BEAD, FERRITE				
C1505	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1302	1-400-862-11	BEAD, FERRITE				
C1506	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1305	1-400-862-11	BEAD, FERRITE				
C1507	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1306	1-400-862-11	BEAD, FERRITE				
C1508	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1308	1-400-862-11	BEAD, FERRITE				
C1509	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1405	1-400-862-11	BEAD, FERRITE				
C1510	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1452	1-400-862-11	BEAD, FERRITE				
C1511	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1453	1-400-862-11	BEAD, FERRITE				
C1513	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1501	1-400-862-11	BEAD, FERRITE				
C1514	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		FB1502	1-400-862-11	BEAD, FERRITE				
C1515	1-126-925-91	ELECT	470uF	20%	10V		FB1503	1-400-862-11	BEAD, FERRITE				
C1516	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V				< IC >				
C1517	1-126-925-91	ELECT	470uF	20%	10V		IC1001	8-759-231-53	IC TA7805S				
C1518	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		IC1031	6-705-464-01	IC BA50BC0T				
C1519	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		IC1071	6-702-771-01	IC TA78033LS (AEP, UK, RU)				
C1520	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		IC1101	6-805-857-01	MB904888BPF-G-130E1				
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V		IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G				
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V		IC1131	6-704-004-01	IC BR24L16F-WE2				
C1525	1-126-925-91	ELECT	470uF	20%	10V		IC1301	8-759-825-15	IC LC89056W-E				
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		IC1303	8-759-242-70	IC TC7WU04F				
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		IC1352	6-600-466-01	IC TORX147L (SONY)				
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V				(SA-CD/CD-IN//DIGITAL)				
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		IC1401	8-759-560-56	IC PCM1800E/2K				
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V		IC1452	6-705-022-01	IC PCM1602KYG/2K				
C1604	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		IC1501	6-707-754-01	IC CXD9862R				
C1605	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		IC1502	6-704-832-01	IC IS61LV6416-10TLT				
C1620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		IC1503	8-759-546-74	IC TC7WH157FU (TE12R)				
C1905	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		IC1901	6-707-168-01	IC SI-3008KWFE				
C1906	1-126-925-91	ELECT	470uF	20%	10V		IC1902	8-759-701-59	IC NJM78M09FA				
C1908	1-126-925-91	ELECT	470uF	20%	10V		IC1904	6-705-463-01	IC BA33BC0T				
C1913	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V				< JACK >				
C1914	1-126-947-11	ELECT	47uF	20%	35V		J1301	1-794-972-11	JACK, PIN 1P (DVD IN/COAXIAL//DIGITAL)				
		< CONNECTOR >							< JUMPER RESISTOR >				
CNP503	1-779-977-11	PIN, CONNECTOR 6P					JR1020	1-216-864-11	SHORT CHIP	0			
CNP504	1-784-922-11	PIN, CONNECTOR 5P					JR1202	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
CNP505	1-779-799-11	PIN, CONNECTOR 9P					JR1206	1-211-950-11	SHORT CHIP	0			
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P					JR1502	1-216-864-11	SHORT CHIP	0			
CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P					JR1511	1-400-862-11	BEAD, FERRITE				
CNS504	1-568-826-11	CONNECTOR, FFC 7P							< RESISTOR >				
CNS505	1-784-778-11	CONNECTOR, FFC 17P					R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
CNS508	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP, UK, RU)					R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W	
CNS508	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK, RU)					R1041	1-216-809-11	METAL CHIP	100	5%	1/10W	
CNS509	1-784-766-11	CONNECTOR, FFC 5P											
		< DIODE >											

STR-K670P

Ver. 1.3

DIGITAL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W	R1137	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1044	1-216-809-11	METAL CHIP	100	5%	1/10W	R1138	1-216-833-11	METAL CHIP	10K	5%	1/10W	
						R1140	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1049	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R1052	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1142	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1053	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1143	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1058	1-216-813-11	METAL CHIP	220	5%	1/10W	R1144	1-216-809-11	METAL CHIP	100	5%	1/10W	
				(AEP, UK, RU)		R1147	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1059	1-216-813-11	METAL CHIP	220	5%	1/10W	R1149	1-216-809-11	METAL CHIP	100	5%	1/10W	
				(AEP, UK, RU)								
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W	R1150	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1066	1-216-809-11	METAL CHIP	100	5%	1/10W	R1151	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1067	1-216-809-11	METAL CHIP	100	5%	1/10W	R1152	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1068	1-216-809-11	METAL CHIP	100	5%	1/10W	R1153	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1071	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1154	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1072	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1155	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1073	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R1075	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1160	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W	R1161	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W	R1162	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W	R1164	1-216-864-11	SHORT CHIP	0			
R1079	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1167	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1082	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1168	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1175	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1085	1-216-833-11	METAL CHIP	10K	5%	1/10W					(AEP, UK, RU)		
						R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1086	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W	
				(EXCEPT AEP, UK, RU)		R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W	
				(EXCEPT AEP, UK, RU)		R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R1097	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1193	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W					(E51)		
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W	R1193	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W					(AUS)		
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W	
									(AEP, UK, RU, MX, SP, SP6, AR)			
R1109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1194	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W					(AEP, UK, RU)		
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W					(SP, SP6)		
R1113	1-216-809-11	METAL CHIP	100	5%	1/10W							
						R1194	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W					(AR)		
R1115	1-216-809-11	METAL CHIP	100	5%	1/10W	R1194	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W					(E51, MX, AUS)		
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1194	1-216-864-11	SHORT CHIP	0 (US, CND)			
R1119	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1197	1-216-833-11	METAL CHIP	10K	5%	1/10W	
						R1198	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1199	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W	R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W	R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W	
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W	R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W	
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W	R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W	R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W	R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R1132	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W	R1304	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W	R1305	1-216-819-11	METAL CHIP	680	5%	1/10W	
R1136	1-216-809-11	METAL CHIP	100	5%	1/10W	R1306	1-216-801-11	METAL CHIP	22	5%	1/10W	
						R1307	1-216-809-11	METAL CHIP	100	5%	1/10W	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W	R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W	R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W
						R1517	1-216-813-11	METAL CHIP	220	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W	R1518	1-216-813-11	METAL CHIP	220	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W	R1519	1-216-813-11	METAL CHIP	220	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W	R1520	1-216-813-11	METAL CHIP	220	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1522	1-216-813-11	METAL CHIP	220	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W	R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1316	1-216-809-11	METAL CHIP	100	5%	1/10W	R1524	1-216-864-11	SHORT CHIP	0		
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1352	1-216-809-11	METAL CHIP	100	5%	1/10W	R1525	1-216-813-11	METAL CHIP	220	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W	R1526	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1527	1-216-813-11	METAL CHIP	220	5%	1/10W
R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1528	1-216-813-11	METAL CHIP	220	5%	1/10W
R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1531	1-216-813-11	METAL CHIP	220	5%	1/10W
R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W						
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W	R1532	1-216-813-11	METAL CHIP	220	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W	R1533	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1534	1-216-813-11	METAL CHIP	220	5%	1/10W
R1362	1-216-809-11	METAL CHIP	100	5%	1/10W	R1535	1-216-813-11	METAL CHIP	220	5%	1/10W
R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1536	1-216-813-11	METAL CHIP	220	5%	1/10W
R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R1403	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1537	1-216-813-11	METAL CHIP	220	5%	1/10W
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W	R1538	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1539	1-216-813-11	METAL CHIP	220	5%	1/10W
R1425	1-216-864-11	SHORT CHIP	0			R1540	1-216-813-11	METAL CHIP	220	5%	1/10W
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1435	1-216-864-11	SHORT CHIP	0								
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1542	1-216-813-11	METAL CHIP	220	5%	1/10W
R1445	1-216-864-11	SHORT CHIP	0			R1543	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1544	1-216-813-11	METAL CHIP	220	5%	1/10W
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1545	1-216-813-11	METAL CHIP	220	5%	1/10W
R1460	1-216-864-11	SHORT CHIP	0			R1546	1-216-813-11	METAL CHIP	220	5%	1/10W
R1461	1-216-864-11	SHORT CHIP	0								
R1464	1-216-864-11	SHORT CHIP	0			R1547	1-216-813-11	METAL CHIP	220	5%	1/10W
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1548	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1549	1-216-813-11	METAL CHIP	220	5%	1/10W
R1470	1-216-864-11	SHORT CHIP	0			R1550	1-216-813-11	METAL CHIP	220	5%	1/10W
R1471	1-216-864-11	SHORT CHIP	0			R1551	1-216-813-11	METAL CHIP	220	5%	1/10W
R1472	1-216-864-11	SHORT CHIP	0								
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1552	1-216-813-11	METAL CHIP	220	5%	1/10W
R1475	1-216-864-11	SHORT CHIP	0			R1553	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1554	1-216-813-11	METAL CHIP	220	5%	1/10W
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1555	1-216-813-11	METAL CHIP	220	5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0			R1556	1-216-809-11	METAL CHIP	100	5%	1/10W
R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1491	1-216-864-11	SHORT CHIP	0			R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1492	1-216-864-11	SHORT CHIP	0			R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1493	1-216-864-11	SHORT CHIP	0			R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1494	1-216-864-11	SHORT CHIP	0			R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1495	1-216-864-11	SHORT CHIP	0								
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W	R1635	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W	R1636	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W			< VIBRATOR >			
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W	X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)			
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W	X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W	X1502	1-813-276-21	QUARTZ CRYSTAL (13.9MHz)			
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W			*****			
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1510	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1511	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W						

REVISION HISTORY

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