

STR-DE675

SERVICE MANUAL

Ver 1.0 2001.03

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Chinese Model



Photo : GOLD

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 - 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output (USA model only).

Amplifier section

US, Canadian MODELS

Rated Power Output at Stereo mode

(8 ohms 20 Hz - 20 kHz,
THD 0.09%)
100 W + 100 W

Reference Power Output

(8 ohms at 1 kHz, THD
0.7%)
Front¹⁾: 100 W/ch
Center¹⁾: 100 W
Surround¹⁾: 100 W/ch

AEP, UK MODEL :

Rated Power Output at Stereo mode

(8 ohms 1 Hz, THD
0.7%)
100 W + 100 W

Reference Power Output

(8 ohms 1 kHz, THD
0.7%)
Front : 100 W/ch
Center : 100 W
Surround : 100 W/ch

Chinese MODEL :

Rated Power Output at Stereo mode

(8 ohms 1 Hz, THD
0.7%)
90 W + 90 W
(at 220 V AC, 50 Hz)
100 W + 100 W
(at 110 V AC, 50 Hz)

Reference Power Output

(8 ohms 1 kHz, THD
10% at 230 V AC, 50 Hz)
Front : 100 W/ch
Center : 100 W
Surround : 100 W/ch

Rated Power Output at Stereo mode

(8 ohms 1 Hz, THD
0.7%)
100 W + 100 W
(at 110 V AC, 50 Hz)

Reference Power Output

(8 ohms 1 kHz, THD
10% at 110 V AC, 50 Hz)
Front : 100 W/ch
Center : 100 W
Surround : 100 W/ch

Others :

Rated Power Output at Stereo mode

(8 ohms 1 Hz, THD 0.7%)
100 W + 100 W

Reference Power Output

(8 ohms 1 kHz, THD 10%)
Front : 110 W/ch
Center : 110 W
Surround : 110 W/ch

1) Depending on the sound field settings and sources, there may be no sound output.

Frequency response

MULTI CH IN, CD,
MD/TAPE, DVD/
LD, TV/SAT,
VIDEO 1**,
VIDEO 2**, AUX:
10 Hz - 50 kHz +0.5/
-2 dB (with sound
field and equalizer
bypassed)

— Continued on next page —

FM STEREO FM-AM RECEIVER

9-873-845-11
2001C1600-1
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Sony Corporation
Audio Entertainment Group
General Engineering Dept.

SONY®

STR-DE675

Inputs (Analog)

MULTI CH IN, CD,
DVD/LD, MD/
TAPE, TV/SAT,
VIDEO 1**,
VIDEO 2**, AUX:
Sensitivity: 250 mV
Impedance: 50 kilohms
S/N^{a)}: 96 dB (A, 250 mV^{b)})

a) Input short.

b) Weighted network, input level.

Inputs (Digital)

DVD/LD (coaxial):
Sensitivity: –
Impedance: 75 ohms
S/N: 100 dB (A, 20 kHz LPF)
DVD/LD, TV/SAT,
MD/TAPE**
(Optical):
Sensitivity: –
Impedance: –
S/N: 100 dB (A, 20 kHz LPF)

Outputs

MD/TAPE, (OUT);
VIDEO 1**,
VIDEO 2** (AUDIO
OUT):
Voltage: 250 mV,
Impedance: 10 kilohms

SUB WOOFER:
Voltage: 2 V
Impedance: 1 kilohms

PHONES:
Accepts low- and
high-impedance
headphones

EQ ±6 dB

Sampling Frequency

48 kHz (TV/SAT, MD/
TAPE OPTICAL IN)
96 kHz (DVD/LD
OPTICAL IN,
COAXIAL IN)

FM tuner section

Tuning range 87.5 - 108.0 MHz

Antenna terminals

75 ohms, unbalanced

Intermediate frequency

10.7 MHz

Sensitivity

Mono: 18.3 dBf,
2.2 µV/75 ohms
Stereo: 38.3 dBf
22.5 µV/75 ohms

Usable sensitivity

11.2 dBf, 1 µV/75 ohms

S/N

Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz

Mono: 0.3%
Stereo: 0.5%

Separation 45 dB at 1 kHz

Frequency response

30 Hz - 15 kHz +0.5/-2 dB

Selectivity

60 dB at 400 kHz

AM tuner section

US, Canadian MODELS :

Tuning range With 10-kHz tuning
scale: 530 - 1710 kHz^{c)}

With 9-kHz tuning

scale: 531 - 1710 kHz^{c)}

AEP, UK MODELS :

Tuning range 531 - 1602 kHz

Others :

Tuning range 530 - 1610 kHz (10 kHz step)

531 - 1602 kHz (9 kHz step)

530 - 1610 kHz (10 kHz step)^{c)}

531 - 1602 kHz (9 kHz step)^{c)}

Antenna

Loop antenna

Intermediate frequency

450 kHz

Usable sensitivity

50 dB/m (at 1,000 kHz or 999 kHz)

S/N

54 dB (at 50 mV/m)

Harmonic distortion

0.5 % (50 mV/m, 400 kHz)

Selectivity

At 9 kHz: 35 dB

At 10 kHz: 40 dB

c) You can change the AM tuning interval to 9 kHz. After tuning in any AM station, turn off the receiver. Hold down the TUNING + button and press the V/U button. All preset stations will be erased when you change the tuning interval. To reset the scale to 10 kHz, repeat the procedure.

Video section

Inputs

Video: 1 Vp-p 75 ohms
S-video***:

Y: 1 Vp-p 75 ohms

C: 0.286 Vp-p 75 ohms

Outputs

Video: 1 Vp-p 75 ohms
S-video***:

Y: 1 Vp-p 75 ohms

C: 0.286 Vp-p 75 ohms

General

System

Tuner section:
PLL quartz-locked digital
synthesizer system

Preamplifier section:

Low-noise NF type equalizer

Power amplifier section:

Pure-complementary SEPP

Power requirements

US, Canadian MODEL :

120 V AC, 60 Hz

AEP, UK MODELS :

230 V AC, 50/60 Hz

E MODEL : 120/220/240 V AC, 50/60 Hz

Taiwan MODEL :

110 V AC, 50/60 Hz

Mexican MODEL :

120 V AC, 60 Hz

Australian MODEL :

240 V AC, 50 Hz

Power consumption

US MODEL : 220W

In standby condition: 1 W

Canadian MODEL :

315 VA

In standby condition: 1 W

AEP, UK MODELS :

210 W

In standby condition: 1 W

E MODEL :

230 W

In standby condition: 1 W

Mexican MODEL :

220 W

In standby condition: 1 W

AC outlets

US, Canadian MODELS :

1 switched, total 120 W/1A Max

Others :

1 switched, total 100 W Max

Dimensions

430 × 308.5 × 157.5 mm
(14.5 × 10.4 × 5.3 in.)

including projecting
parts and controls

Mass (Approx.)

7.5 kg (16 lbs. 9 oz.)

Supplied accessories

- FM wire antenna (1)
- AM loop antenna (1)
- R6 (size-AA) batteries (2)
- Remote commander
RM-PP505 (remote) (1)

Design and specifications are subject
to change without notice.

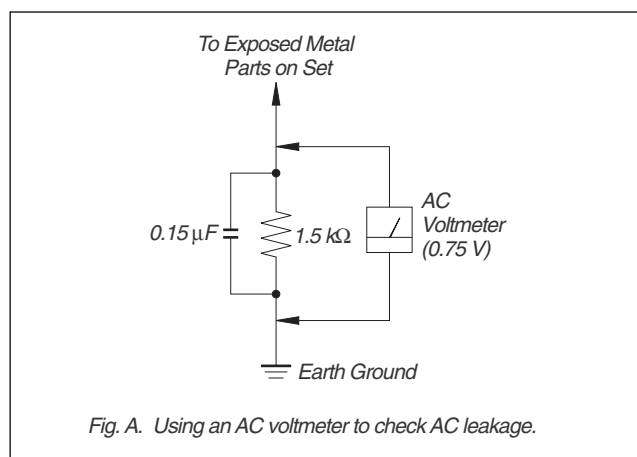
SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks 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

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 2V AC range are suitable. (See Fig. A)



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle 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.

MODEL IDENTIFICATION

— BACK PANEL —



MODEL	PARTS No.
US model	4-232-251-0□
Canadian model	4-232-251-1□
E model	4-232-251-2□
AEP model	4-232-251-3□
UK model	4-232-251-4□
Australian model	4-232-251-5□
Malaysia, Singapore model	4-232-251-6□
Chinese model	4-232-251-7□
Taiwan model	4-232-251-8□
Korean model	4-234-509-0□
Mexican model	4-234-509-1□
Argentina model	4-234-509-2□

与安全有关的零部件须知

在原理图上用阴影及 \triangle 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

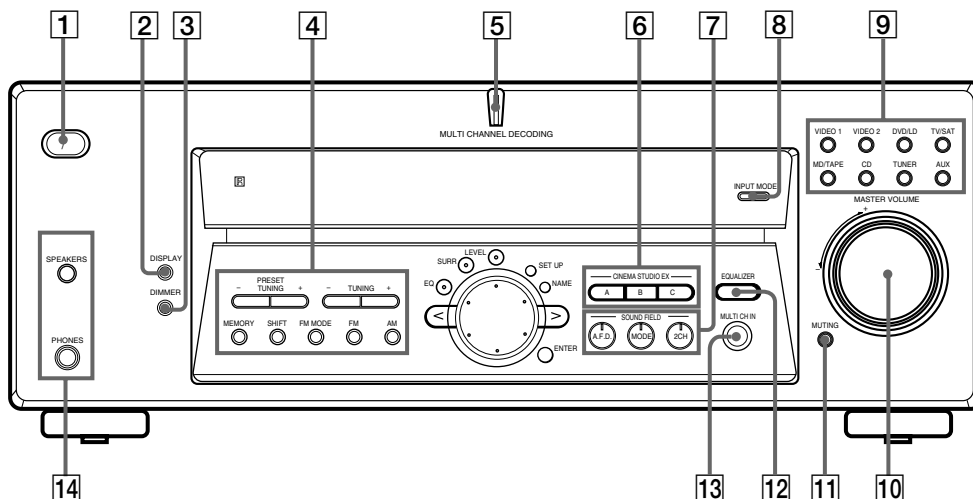
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SECTION 1 GENERAL

This section is extracted from instruction manual.



- 1 I/⏻ switch**
Press to turn the receiver on and off.
- 2 DISPLAY button**
Press repeatedly to change the information on the display window as follows:

Index name of the component or the preset station*
↓
FUNCTION button indication or frequency**
↓
Sound field applied to the program source

* Index name appears only when you have assigned one to the component or preset station (see page 41). Index name does not appear when only blank spaces have been entered, or it is the same as the function button.
 ** Frequency appears only when the tuner is selected.

- 3 DIMMER button**
Press repeatedly to adjust the brightness of the display. When you want to turn off the display, set in the "DIM.RANGE" parameter in the SET UP menu (page 45).
- 4** The following buttons operate the built-in tuner. For details, see "Receiving Broadcasts" starting from page 38.
 - PRESET TUNING +/- buttons**
Scan all preset stations.
 - TUNING +/- buttons**
Scan all the available radio stations.
 - MEMORY button**
Press to memorize a preset station.
 - SHIFT button**
Selects a memory page for preset stations.
 - FM MODE button (AEP, UK, Argentina model only)**
If "STEREO" flashes in the display and the FM stereo reception is poor, press this button. You will not have the stereo effect but the sound is improved.
 - FM button**
Selects the FM band.
 - AM button**
Selects the AM band.

- 5 MULTI CHANNEL DECODING indicator**
This indicator lights up when the unit is decoding signals recorded in a multi channel format.
- 6** Use the CINEMA STUDIO EX buttons to enjoy the CINEMA STUDIO EX sound effects.
 - A/B/C buttons**
Press to activate the CINEMA STUDIO EX A, B or C sound field (page 29).

- 7** Use the SOUND FIELD buttons to enjoy surround sound. For details, see "Enjoying Surround Sound" starting from page 27.
 - A.F.D. button / indicator**
Press to set the receiver to automatically detect the type of audio signal being input and perform proper decoding (if necessary).
 - MODE button / indicator**
Press to activate the sound field selection mode (page 28).
 - 2CH button / indicator**
Press to output sound from only the front (left and right) speakers.

- 8 INPUT MODE button**
Press to select the input mode for your digital components (DVD/LD, TV/SAT and MD/TAPE). Each press switches the input mode of the currently selected component.

Select	To
AUTO	Give priority to digital signals when there are both digital and analog connections. If there are no digital signals, analog is selected
DIGITAL (OPTICAL)	Specify the digital audio signals input to the DIGITAL OPTICAL input jacks
DIGITAL (COAXIAL)	Specify the digital audio signals input to the DIGITAL COAXIAL input jacks (DVD/LD only)
ANALOG	Specify the analog audio signals input to the AUDIO IN (L and R) jacks

Note
If 96 kHz digital signal is input, the tone, sound field and surround parameters do not function.

- 9 Function buttons**
Press one of the buttons to select the component you want to use.

To select	Press
VCR	VIDEO 1 or VIDEO 2
DVD or LD player	DVD/LD
TV or satellite tuner	TV/SAT
MD or Tape deck	MD/TAPE
CD player	CD
Built in tuner	TUNER
An audio component	AUX

After selecting the component, turn on the component you selected and play the program source.

- After selecting VCR, DVD player, or LD player, turn on the TV and set the TV's video input to match the component you selected.

- 10 MASTER VOLUME control**
After turning on the component you selected, rotate to adjust the volume.
- 11 MUTING button**
Press to mute the sound. MUTING appears in the display when the sound is muted.
- 12 EQUALIZER button**
Press to turn the equalizer on or off. The EQ indicator in the display lights when the equalizer is turned on. When you adjust the equalizer using the EQ parameters (page 36) the settings are stored automatically and can be reproduced wherever you turn on the equalizer.

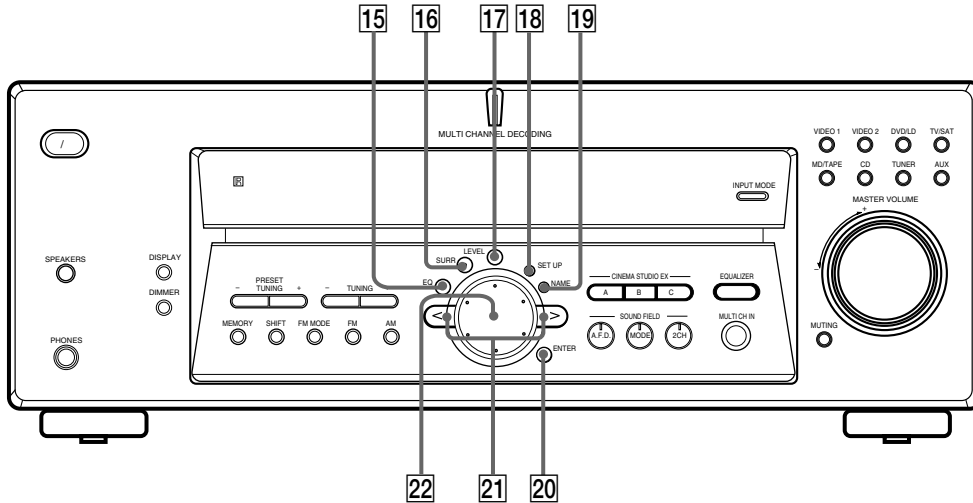
- The equalizer is not compatible with 96 kHz digital audio signals and during MULTI CH IN input.

- When you want to listen to an analog source without any digital processing**
Do the following to bypass the sound field and equalizer circuits.
 - 1 Press 2CH.
 - 2 Press EQ to turn off the EQ indicator.
 The result will be a sound that is highly faithful to the program source.

- 13 MULTI CH IN button**
Press to enjoy the audio source connected to the MULTI CH IN jacks with the video from the selected component. Press again to cancel MULTI CH IN.
 - When the MULTI CH IN is selected, the tone, equalizer, and sound field effects do not function.

- 14 SPEAKERS button**
Press SPEAKERS button to ON.

- PHONES jack**
Connects headphones.
 - When you connect the headphones, no sound will come from the speakers.



15 EQ button
Press to activate the equalizer parameters (page 36). The indicator on the button lights up and you can adjust the various equalizer parameters.

16 SURR button
Press to activate the surround parameters (page 34). The indicator on the button lights up and you can adjust the various surround parameters (effect level, wall type, etc.).

17 LEVEL button
Press to activate the speaker level parameters (page 35). The indicator on the button lights up and you can adjust the various speaker level parameters (front balance, surround balance, etc.).

18 SET UP button
Press to activate the setup mode, then use the cursor buttons (21) to select any of the following indications. You can then make various settings using the jog dial (22).

When you select	You can
Speaker type	Specify the type of speakers. (page 17)
Speaker setup	Specify the front, center, surround speaker sizes, the surround speaker position, and whether or not you are using a sub woofer. (page 17)

When you select	You can
Speaker Distance	Specify the front, center, and surround speaker distances. (page 19)
MULTI CH IN video input	Specify the video input to be used with the audio signals from the MULTI CH IN jacks. (page 45)
Dimmer range	Specify the display to turn off when you press the DIMMER button several times. (page 45)

19 NAME button
Press to activate the name function and enter names for preset stations and program sources (page 43).

20 ENTER button
Press to enter individual characters for the preset station and program source names.

21 Cursor buttons (</>)
Press to select various speaker level, surround, and equalizer parameters (etc.).

22 Jog dial
Turn to adjust the selected speaker level, surround, and equalizer parameters (etc.).

SECTION 2 TEST MODE

FACTORY PRESET MODE

- * All preset contents are reset to the default setting.
- * Procedure:
While depressing the **VIDEO 1** and the **2CH** 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 **VIDEO 1** and the **2CH** 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

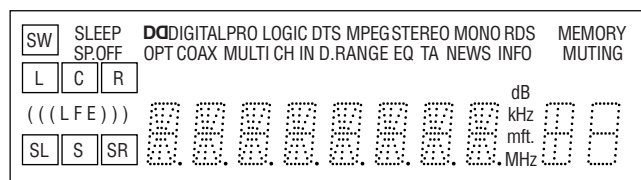
- * Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
- * Procedure:
Set the FUNCTION to AM. Turn off the main power.
While depressing the **TUNING+** button or the **PRESET TUNING+** button, press the power **I/O** button to turn on the main power. Either the message 9 k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

DSP VERSION DISPLAY MODE

- * DSP version is displayed.
- * Procedure :
While depressing the **MD/TAPE** and the **A.F.D** buttons simultaneously, press the power **I/O** button to turn on the main power. " DSP " and the version are displayed.

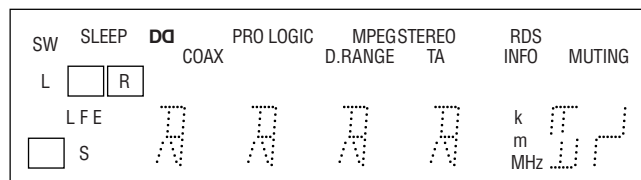
FLUORESCENT INDICATOR TUBE TEST MODE

- * 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 **MD/TAPE** and the **SHIFT** buttons simultaneously, press the power **I/O** button to turn on the main power.
- All segments turn on.



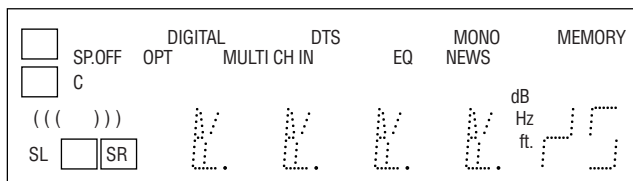
All LED turn on.

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



MULTI CHANNEL DECODING (blue), **Digital Cinema Sound**, **LEVEL**, **SET UP**, **A.F.D** and **MODE** LED turn on.

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



EQ, **SUR**, **NAME** and **2CH** LED turn on.

- Press the **VIDEO 1** button, All segments turn off.
- Every pressing of the **VIDEO 1** button turns on each segment and LED one after another in the same order. (Not only the **VIDEO 1** button, but also the other buttons such as **VIDEO 2**, **DVD/LD**, **TV/SAT**, **MD/TAPE**, **CD**, **TUNER** and **AUX** 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 **SOUND FIELD MODE** button, press the power **I/O** button to turn on the main power. The message **SURR. CLR.** appears and initialization is performed.

DEMONSTRATION MODE

- * Demonstration is performed.
- * Procedure :
While depressing the **SET UP** button, press the power **I/O** button. The message appears and demonstration is performed.
- * To finish **DEMONSTRATION MODE**, press the power **I/O** button while the introduction message appears in the display.

SOFTWARE VERSION DISPLAY MODE

- * The software version is displayed.
- * Procedure:
While depressing the **TUNER** and the **SHIFT** 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 **VIDEO 1** and the **SHIFT** buttons simultaneously, press the power **I/O** button to turn on the main power.
"REST 37" appears.
Every pressing of any button other than **I/O** and **SPEAKERS** 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.

DSP TEST MODE

* DSP tests are performed.

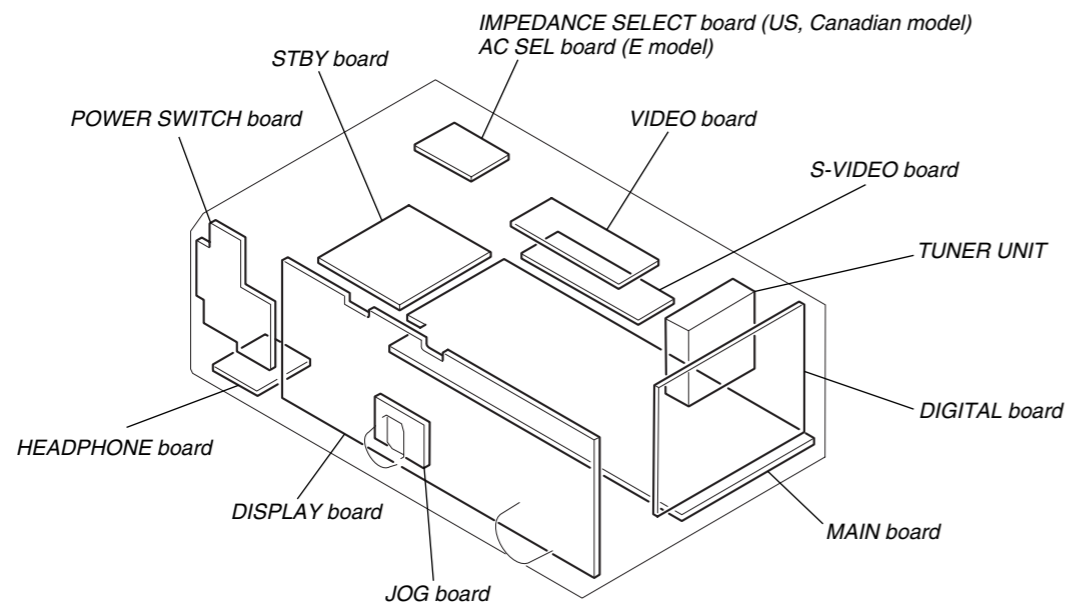
* Procedure :

1. While depressing the **LEVEL** and **CD** buttons simultaneously, press the power **I/O** Button to turn on the main power.
2. Press the **NAME** button.
3. Select the item by pressing Cursor button (**◀** or **▶**).
4. Select the function by turning Jog dial if selection is necessary.

Items	Function	Description	Remark
SWAP	NORM	Normal channel output	Selection of setting output channels
	ALL	Left input → Front Left, Surround Left, Center channel output	
		Right input → Front Right, Surround Right, Sub Woofer channel output	
	C SW	Left input → Center channel output	
Right input → Sub Woofer channel output			
SLSR	Left input → Surround Left channel output		
	Right input → Surround Right channel output		
DSP communication	–	When this item is selected the message will be displayed “ OK ” if the checking is correct. “ ERROR ” will be displayed in a case of an error.	Checking communication between DSP and microcom
Bass Management	–	Not used for service	
Main Speaker cut off Freq.	–	Not used for service	
LFE cut off Freq.	–	Not used for service	
Co-ef. Read Address	–	Not used for service	
Co-ef. Read Data	–	Not used for service	
Co-ef. Write Address	–	Not used for service	
Co-ef. Write Data	–	Not used for service	
SRAM	OFF	“ RAMC. OFF ” will be displayed in a case of no checking.	Checking communication between DSP and SRAM
	ON	By turning Jog dial “ RAMC. EXE ” will be displayed during the checking. After a while “ RAMC. PASS ” will be displayed if the checking is good. “ RAMC. NG ” will be displayed if an error occurs.	

SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



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

For schematic diagrams.

Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ 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.

以阴影和 Δ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- : B+ Line.
- : B- Line.

- : adjustment for repair.

- 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 an oscilloscope.

- Circled numbers refer to waveforms.

• Signal path.

- : FM
- : CD (ANALOG)
- : DVD (DIGITAL)

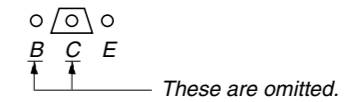
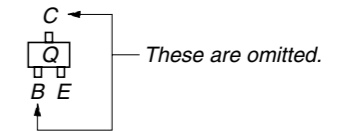
• Abbreviation

- CND : Canadian model
- MY : Malaysia model
- SP : Singapore model
- TW : Taiwan model
- KR : Korea model
- MX : Mexican model
- AR : Argentina model
- CH : Chinese model
- AUS : Australian model

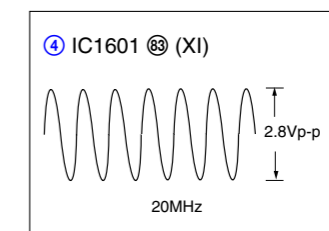
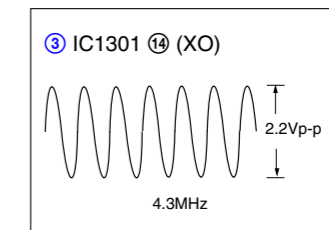
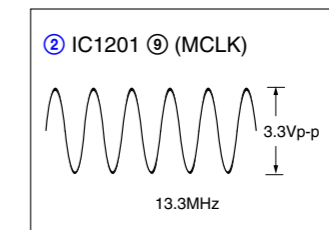
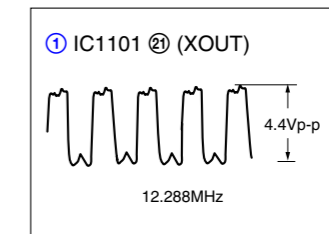
For printed wiring boards.

Note:

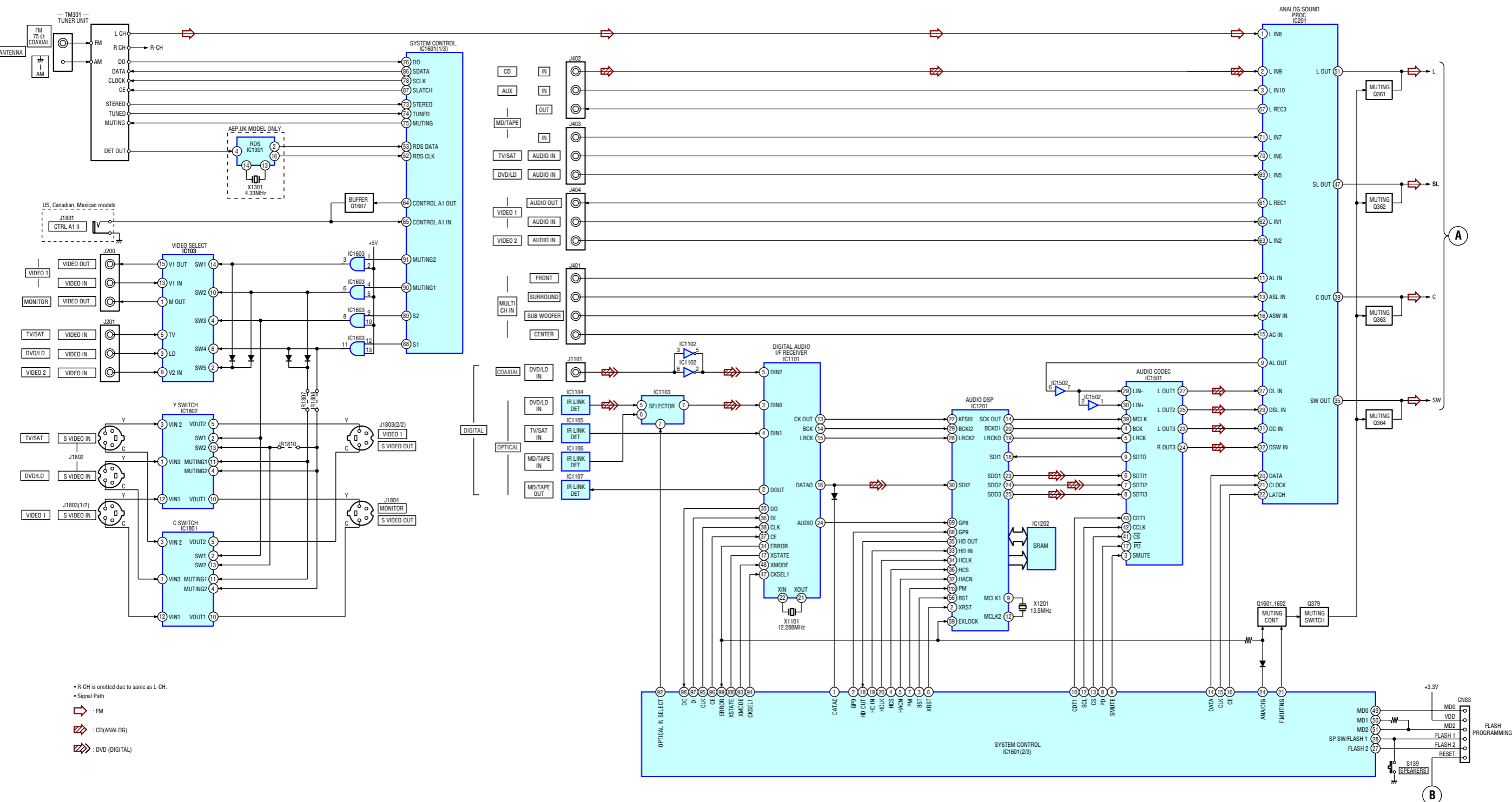
- : parts extracted from the component side.
- : Through hole.
- : internal component.
- : Pattern from the side which enables seeing.



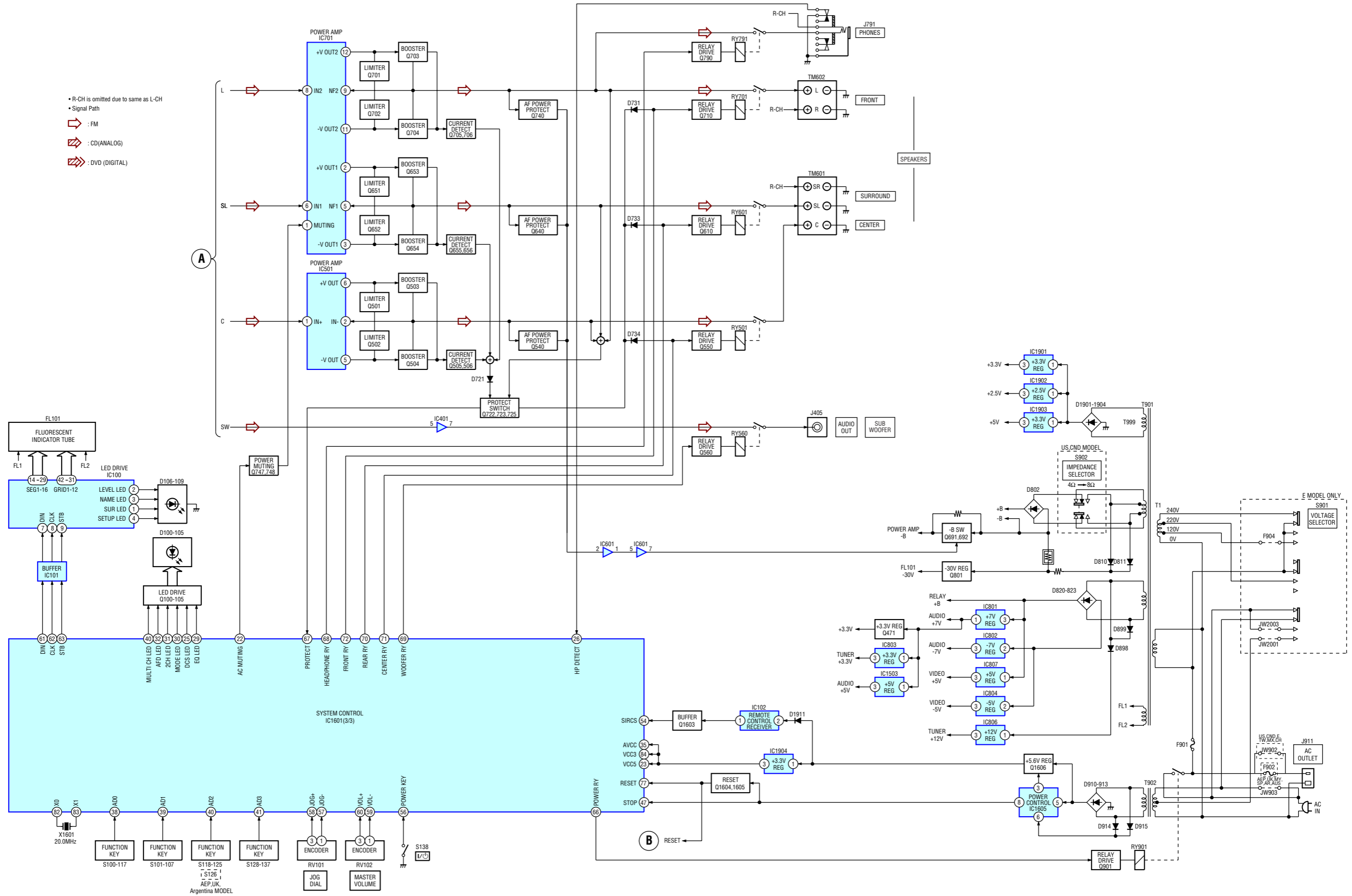
• **Waveform**
DIGITAL Board



3-2. BLOCK DIAGRAMS – MAIN SECTION –



- DISPLAY/POWER SECTION -



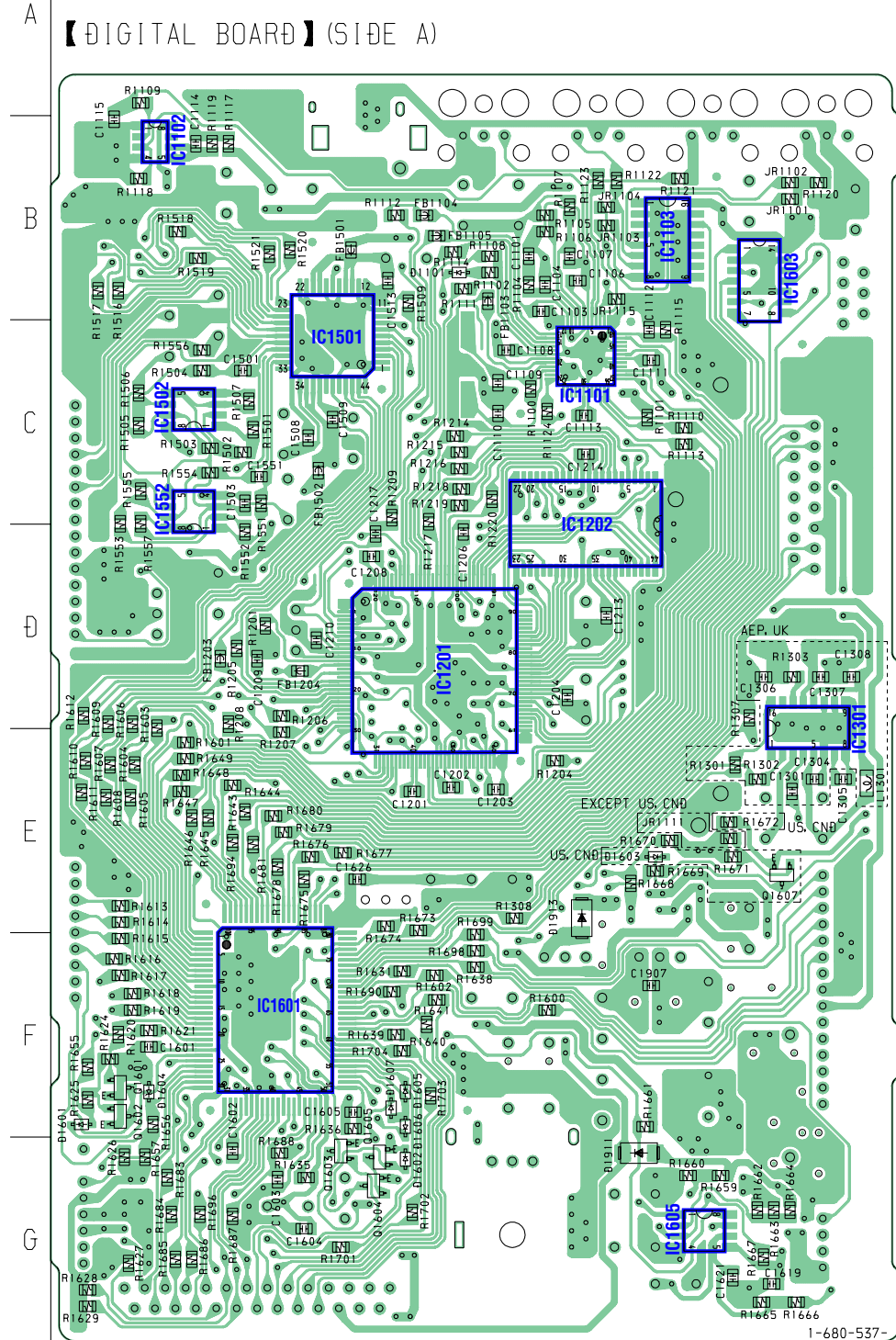
3-3. PRINTED WIRING BOARD – DIGITAL SECTION –

• See page 9 for Circuit Boards Location.

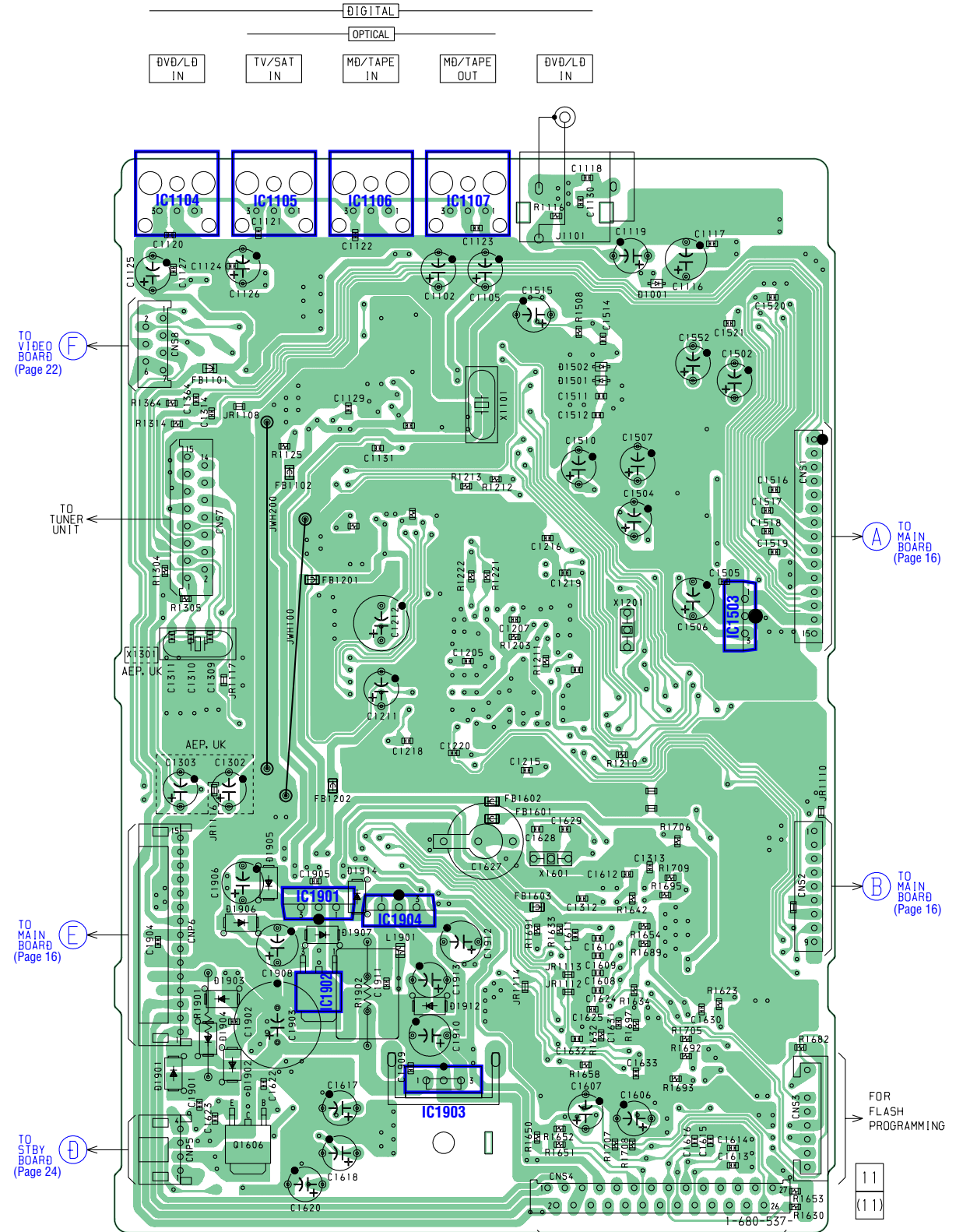
There are a few cases that the part printed on this diagram isn't mounted in this model.

• Semiconductor Location

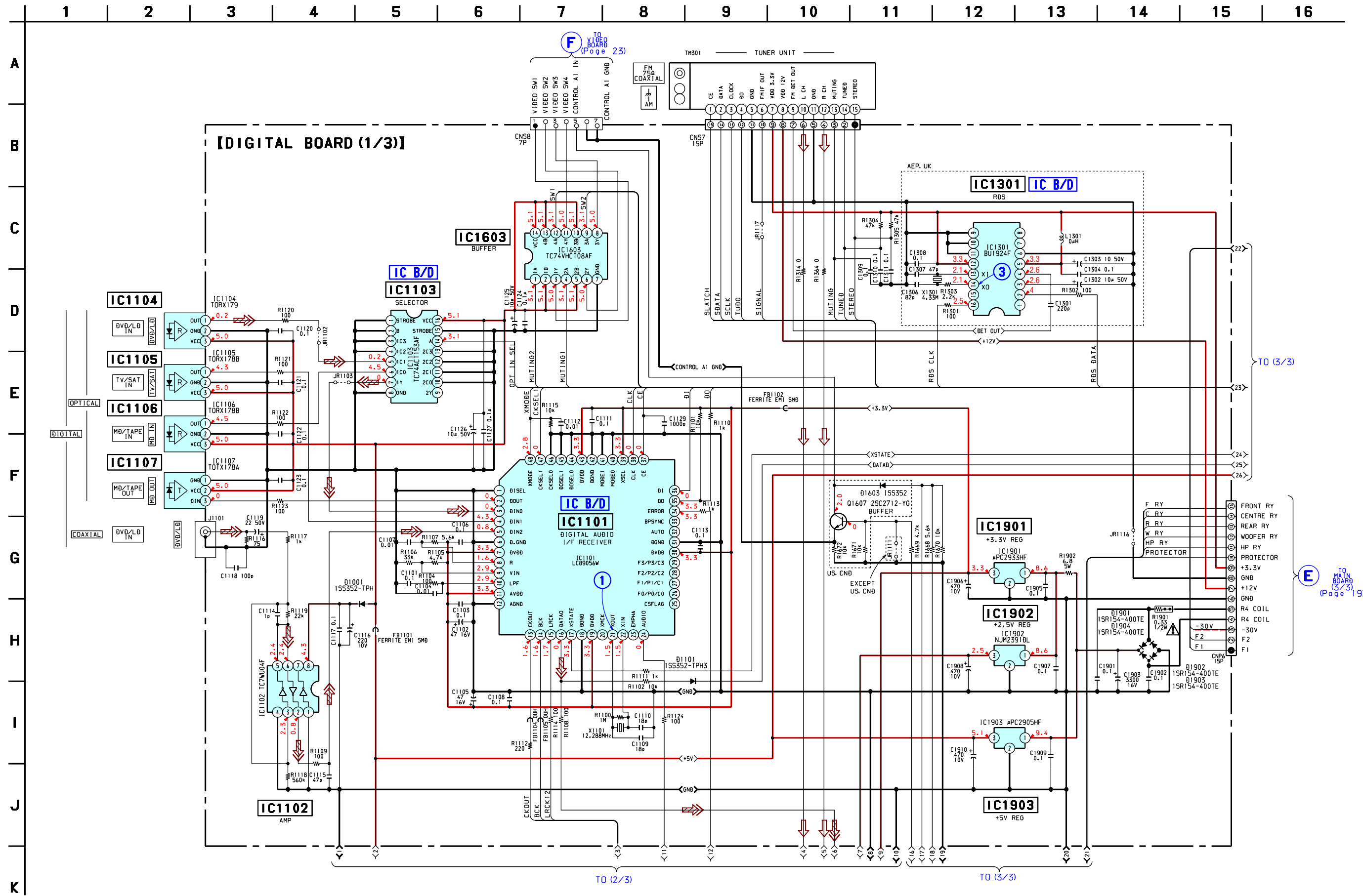
Ref. No.	Location
D1001	B-10
D1101	B-2
D1501	C-9
D1502	C-9
D1601	F-1
D1602	G-2
D1603	F-3
D1901	G-7
D1902	G-7
D1903	F-7
D1911	G-3
D1912	F-8
D1913	E-3
D1914	F-8
IC1101	C-3
IC1102	B-1
IC1103	B-4
IC1104	B-7
IC1105	B-8
IC1106	B-8
IC1107	B-9
IC1201	D-2
IC1202	C-3
IC1301	D-4
IC1501	C-2
IC1502	C-1
IC1503	D-10
IC1552	C-1
IC1601	F-2
IC1603	B-4
IC1605	G-4
IC1901	F-8
IC1902	F-8
IC1903	G-8
IC1904	F-8
Q1601	F-1
Q1602	F-1
Q1603	G-2
Q1604	G-2
Q1605	G-2
Q1606	G-7
Q1607	E-4



【DIGITAL BOARD】(SIDE B)

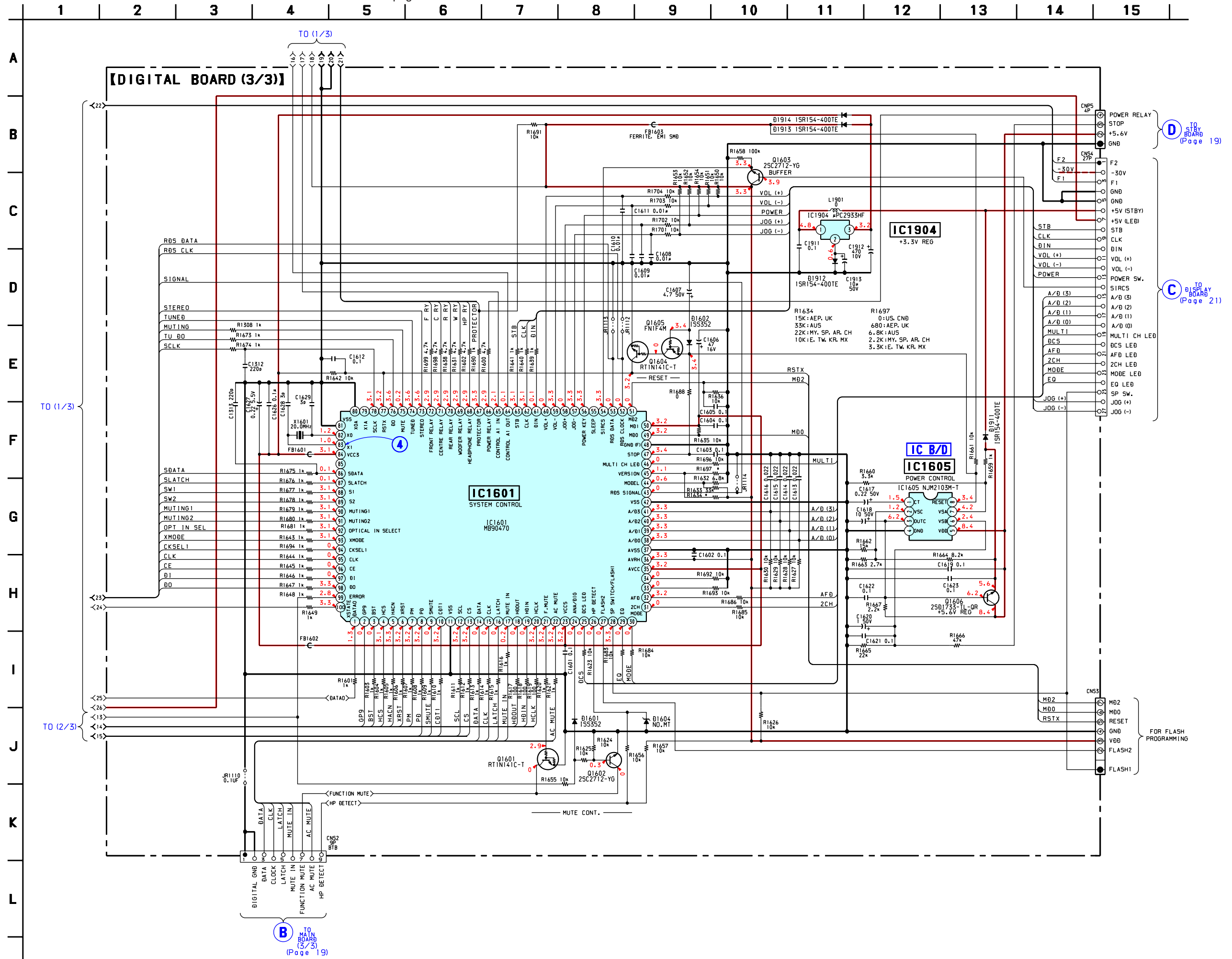


3-4. SCHEMATIC DIAGRAM – DIGITAL SECTION (1/3) – • See page 9 for Waveform. • See page 25 for IC Block Diagrams.



3-6. SCHEMATIC DIAGRAM – DIGITAL SECTION (3/3) –

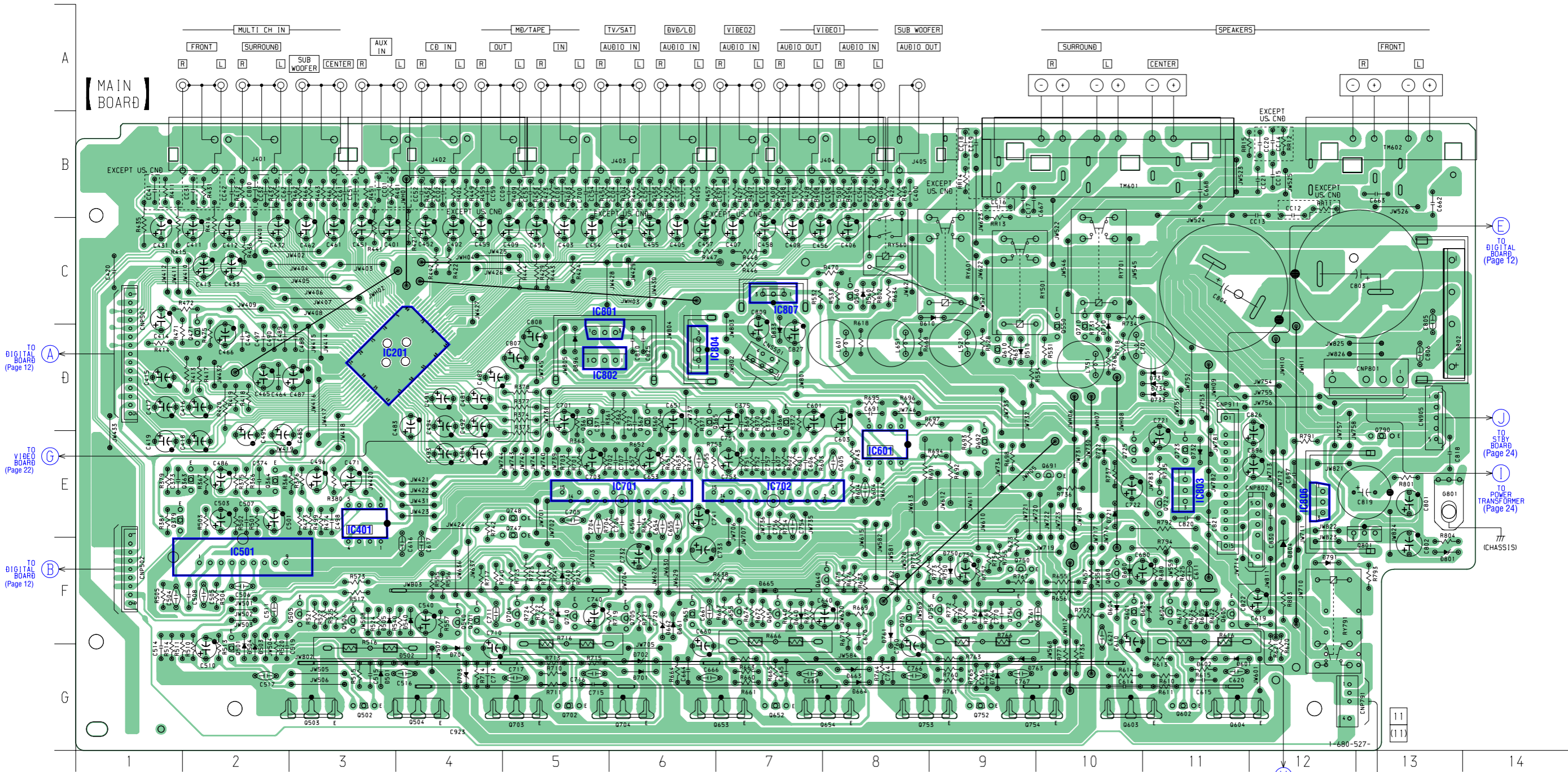
- See page 9 for Waveform.
- See page 26 for IC Block Diagrams.
- See page 27 for IC Pin Function.



3-7. PRINTED WIRING BOARD – MAIN SECTION –

• See page 9 for Circuit Boards Location.

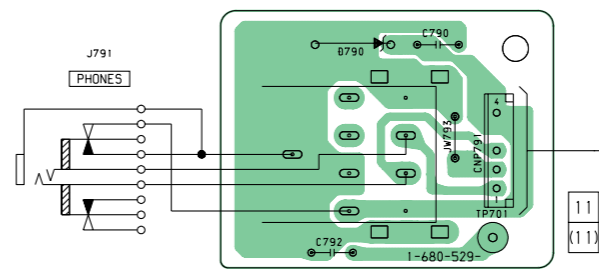
There are a few cases that the part printed on this diagram isn't mounted in this model.



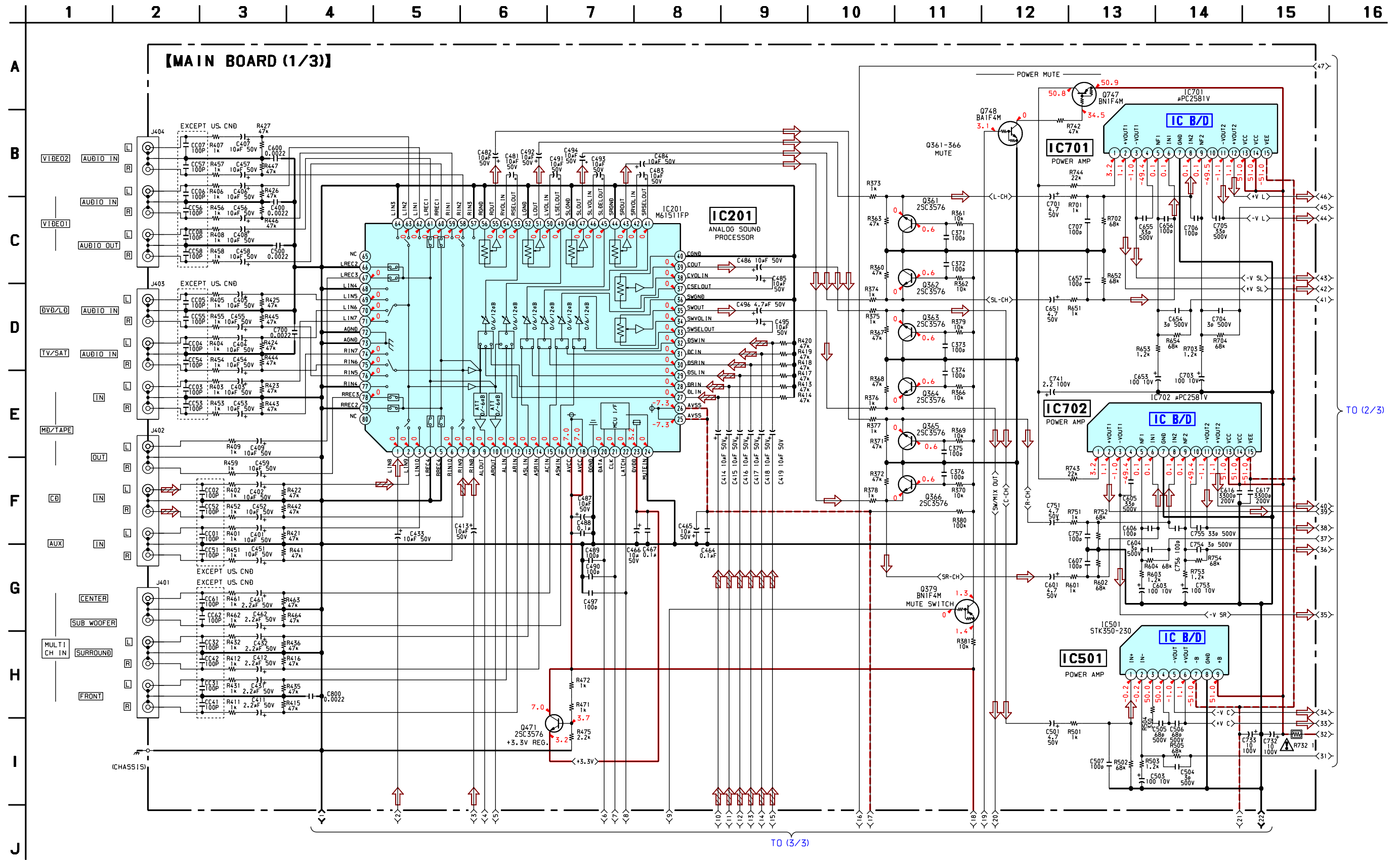
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	F-2	D791	F-12	Q361	D-5	Q604	G-11	Q710	D-10
D510	D-9	D801	F-13	Q362	D-6	Q605	F-11	Q722	E-11
D540	F-4	D802	D-13	Q363	E-2	Q606	F-11	Q723	E-11
D560	C-8	D804	F-12	Q364	E-2	Q610	D-9	Q725	E-10
D605	F-11	D833	D-7	Q365	D-6	Q640	F-8	Q740	F-5
D610	C-8	D896	D-5	Q366	D-7	Q651	F-6	Q747	E-5
D640	F-7			Q379	E-1	Q652	G-7	Q748	E-5
D665	F-7	IC201	D-4	Q471	D-2	Q653	G-7	Q750	F-9
D680	F-10	IC401	E-3	Q501	G-2	Q654	G-8	Q751	F-8
D705	F-5	IC501	F-2	Q502	G-3	Q655	F-7	Q752	G-9
D710	D-10	IC601	E-8	Q503	G-3	Q656	F-7	Q753	G-9
D721	E-10	IC701	E-6	Q504	G-4	Q680	F-10	Q754	G-9
D722	E-10	IC702	E-7	Q505	F-3	Q691	E-9	Q755	F-9
D731	D-11	IC801	C-5	Q506	F-3	Q692	E-9	Q756	F-9
D732	E-11	IC802	D-5	Q540	F-4	Q701	F-4	Q790	E-13
D733	D-11	IC803	E-11	Q550	D-10	Q702	G-5	Q801	F-13
D734	D-11	IC804	D-6	Q560	C-8	Q703	G-5		
D740	F-5	IC806	E-12	Q601	F-10	Q704	G-6		
D750	F-9	IC807	C-7	Q602	G-11	Q705	F-6		
D765	F-9			Q603	G-10	Q706	F-5		

【 HEADPHONE BOARD 】

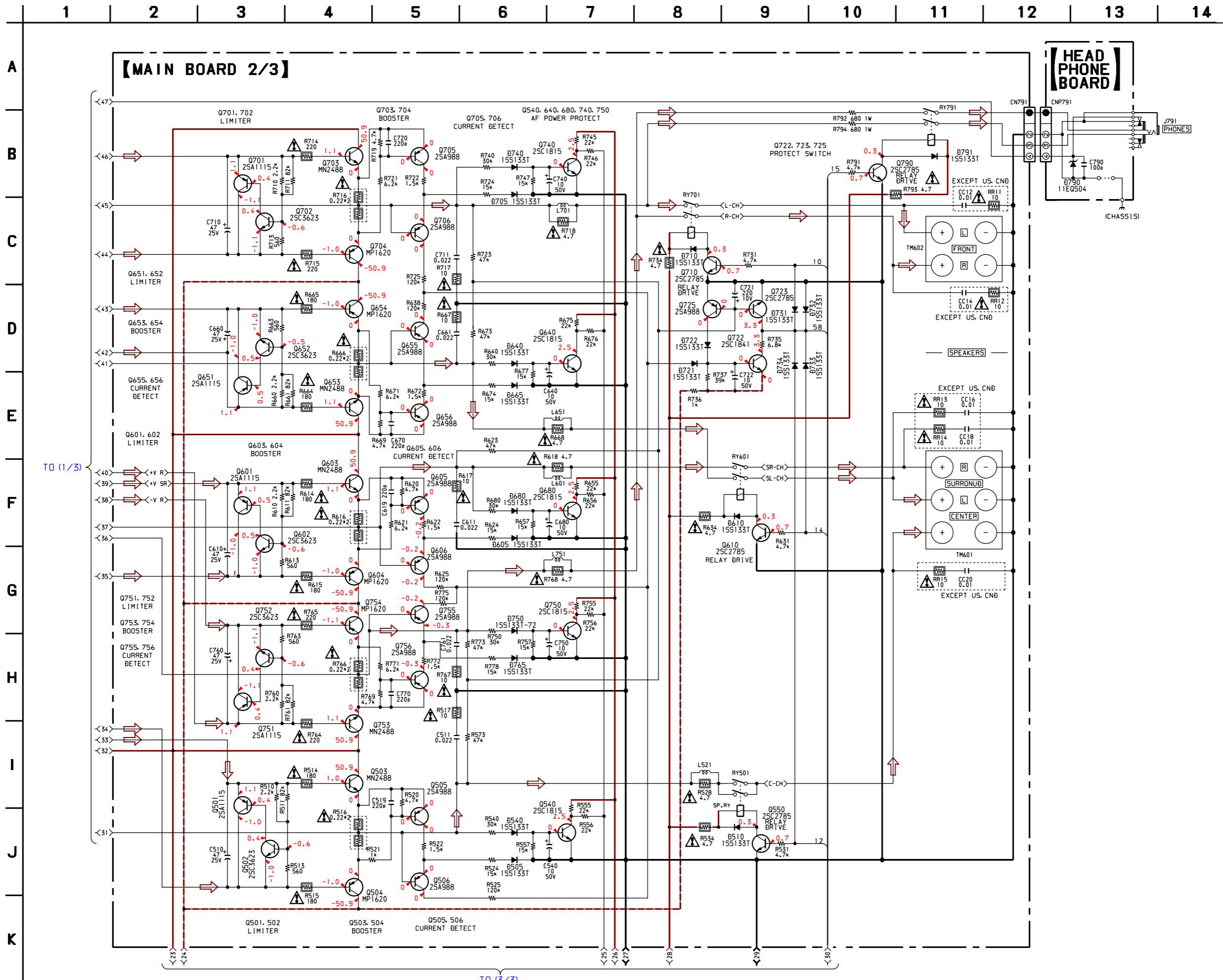


3-8. SCHEMATIC DIAGRAM – MAIN SECTION (1/3) – • See page 26 for IC Block Diagrams.



TO (3/3)

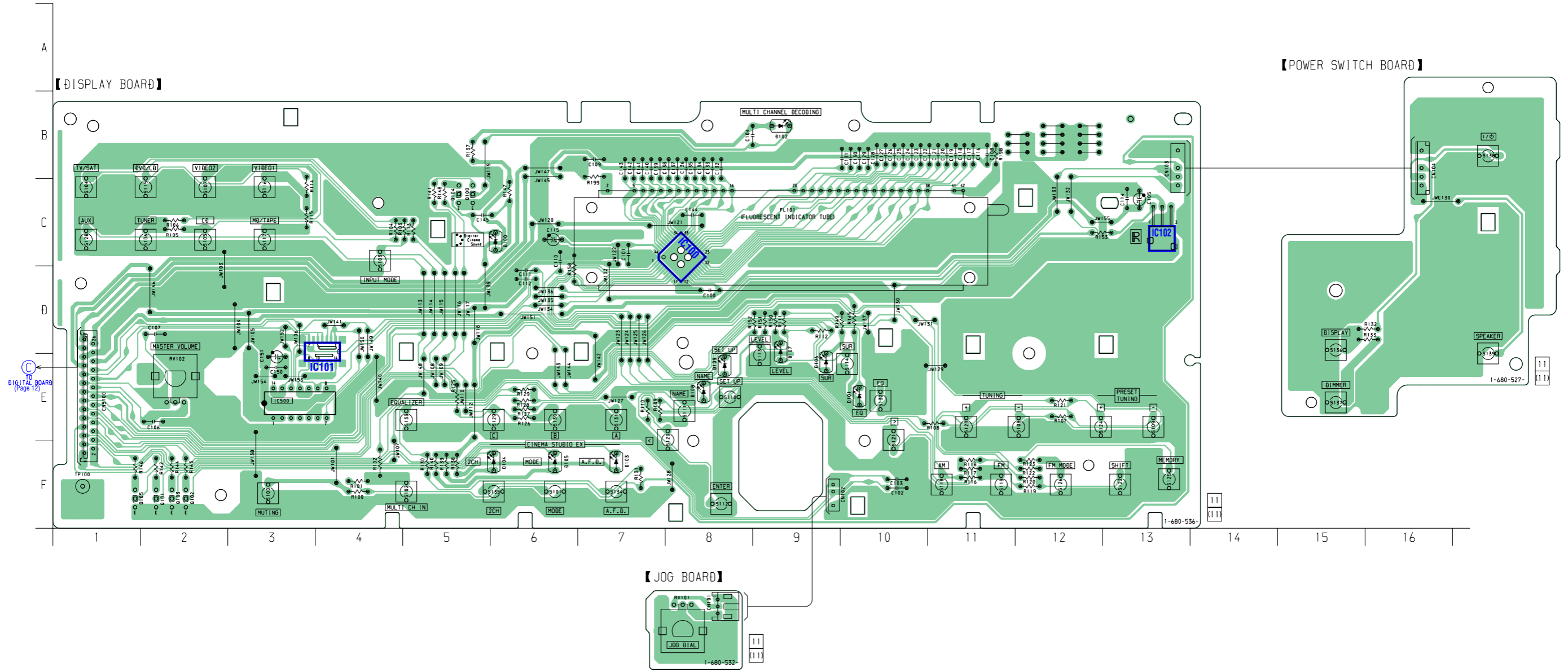
TO (2/3)



TO (3/3)

• See page 9 for Circuit Boards Location.

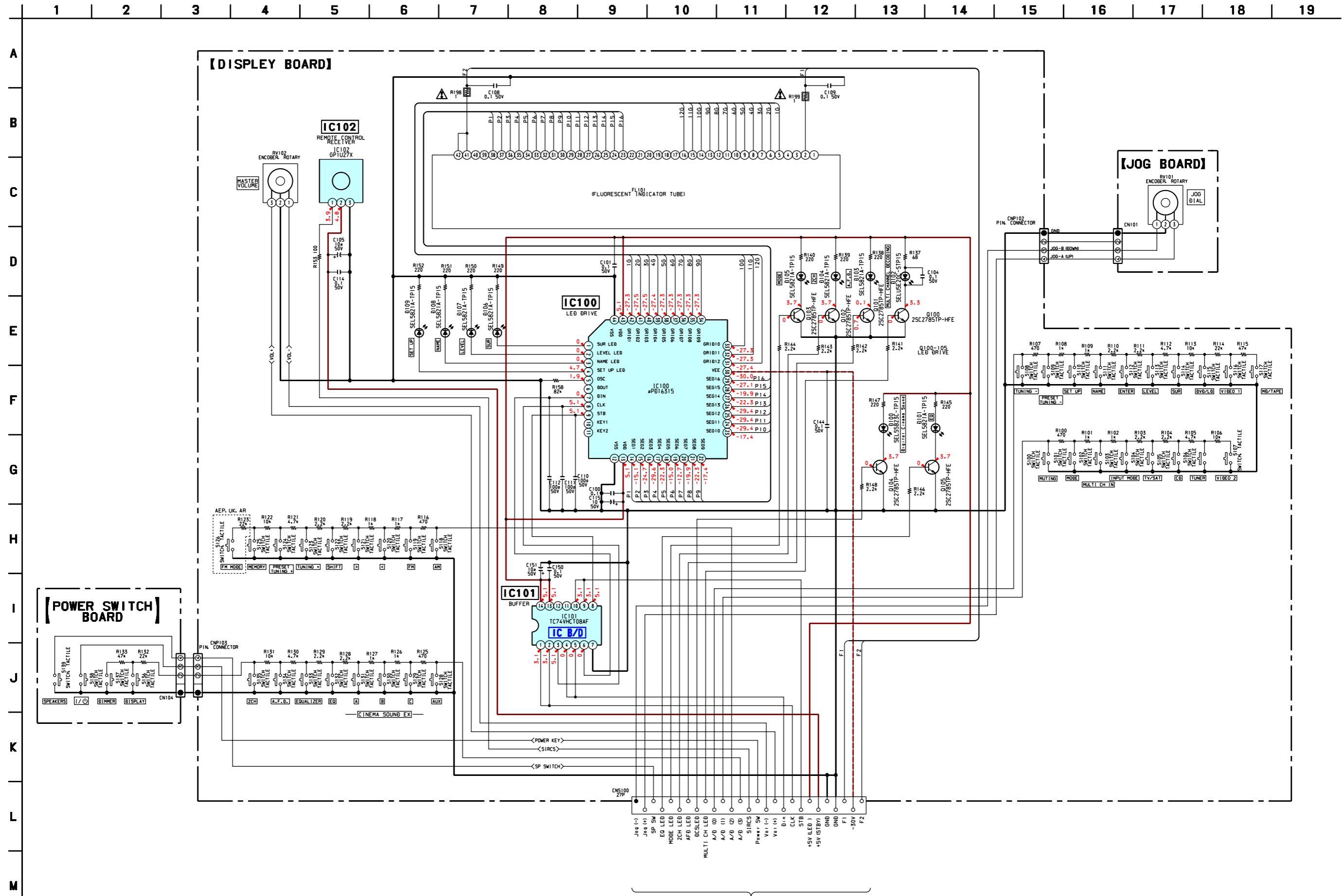
There are a few cases that the part printed on this diagram isn't mounted in this model.



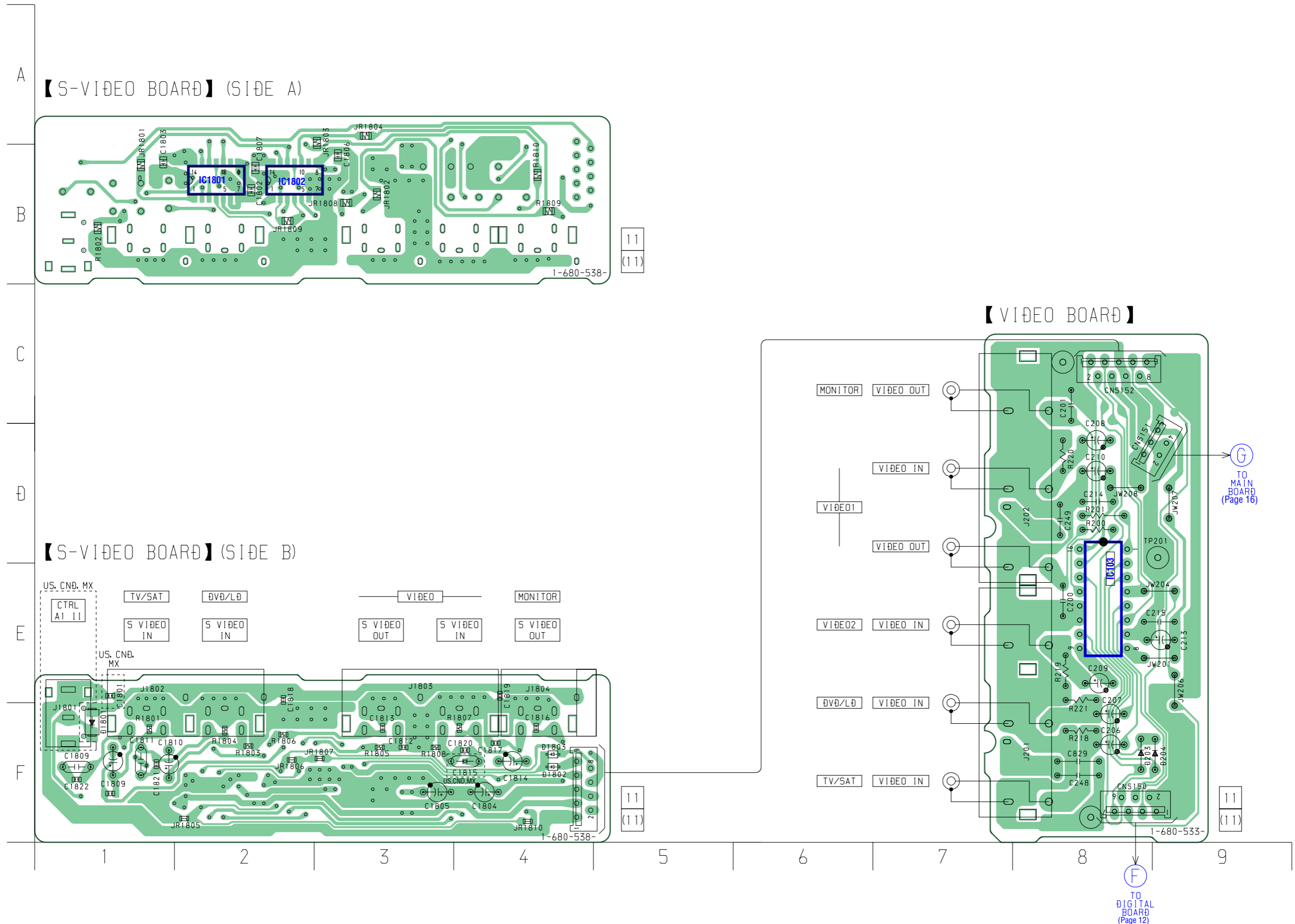
• Semiconductor Location

Ref. No.	Location
D100	C-6
D101	E-10
D102	B-9
D103	F-7
D104	F-6
D105	F-6
D106	E-9
D107	E-9
D108	E-8
D109	E-8
IC100	C-8
IC101	E-4
IC102	C-13
Q100	C-5
Q101	F-2
Q102	F-2
Q103	F-2
Q104	C-5
Q105	F-1

3-12. SCHEMATIC DIAGRAM – DISPLAY SECTION – • See page 26 for IC Block Diagrams.



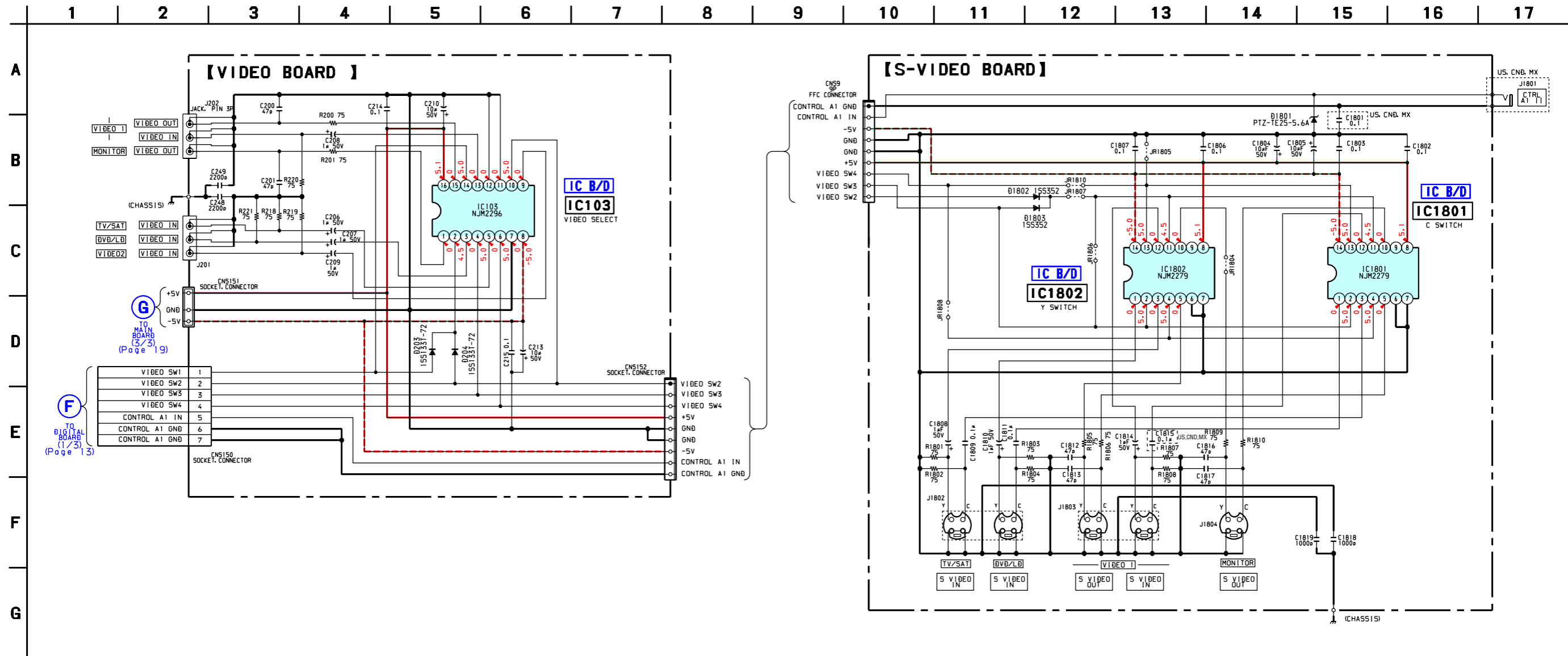
There are a few cases that the part printed on this diagram isn't mounted in this model.



• Semiconductor Location

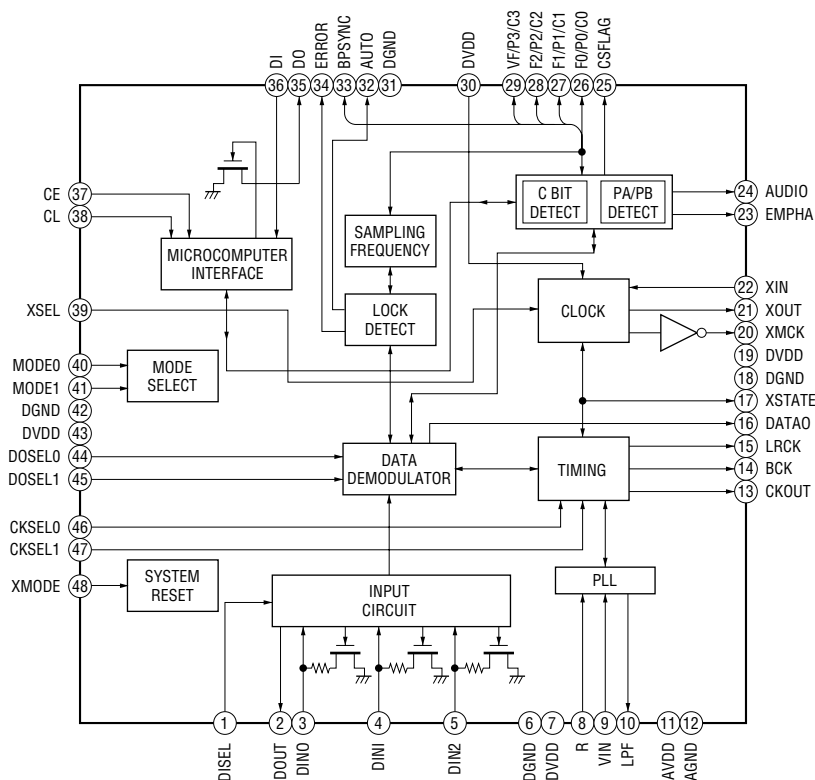
Ref. No.	Location
D203	F-8
D204	F-8
D1801	F-1
D1802	F-4
D1803	F-4
IC103	E-8
IC1801	B-2
IC1802	B-2

3-14. SCHEMATIC DIAGRAM – VIDEO SECTION – • See page 26 for IC Block Diagrams.

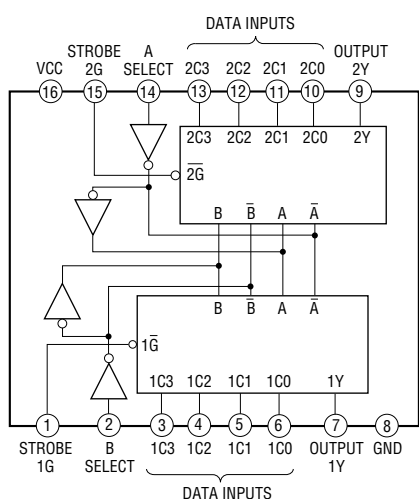


3-16. IC BLOCK DIAGRAMS

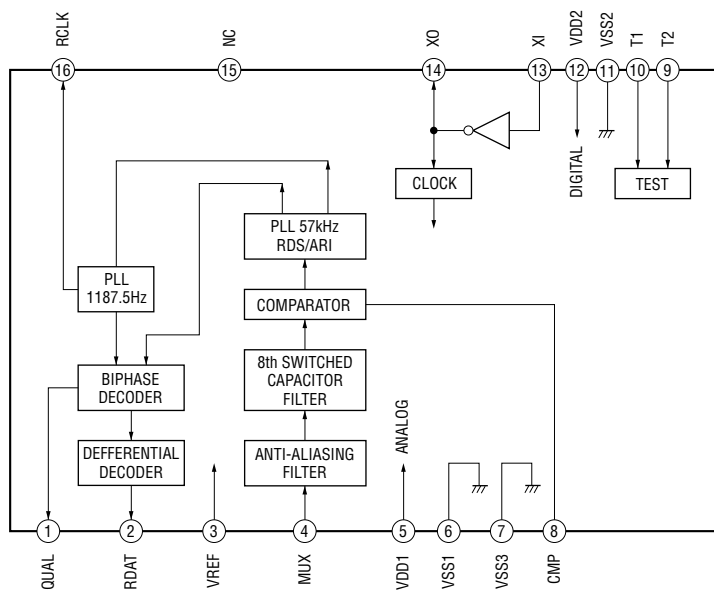
IC1101 LC89056W-E (DIGITAL BOARD)



IC1103 TC74ACT153AF(EL) (DIGITAL BOARD)

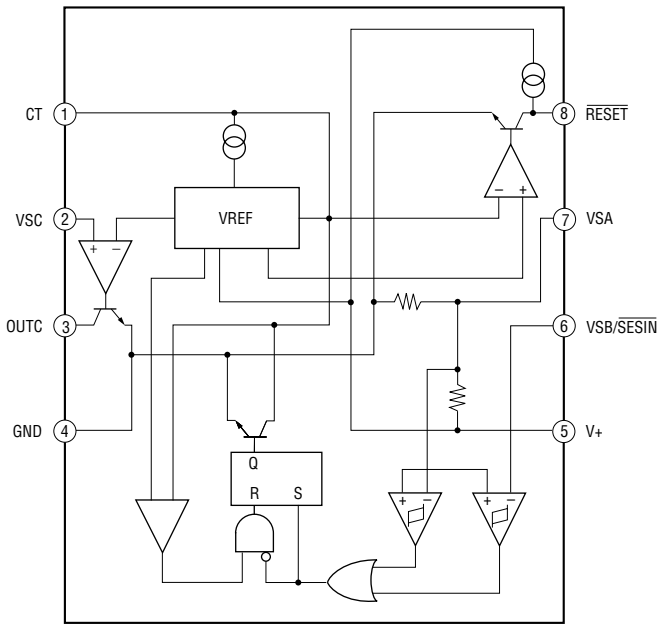


IC1301 BU1924F (DIGITAL BOARD)

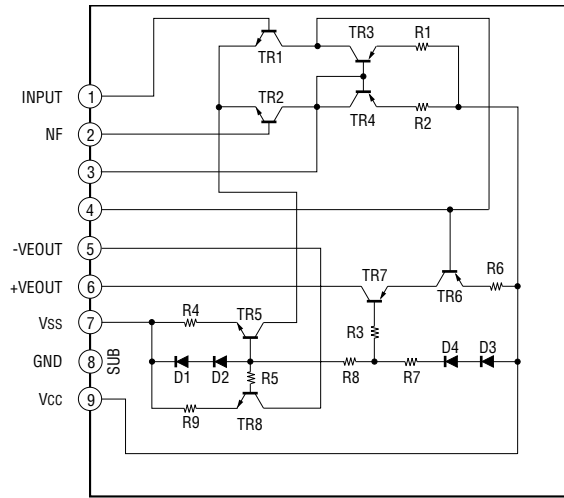


STR-DE675

IC1605 NJM2103M-TE2 (DIGITAL BOARD)



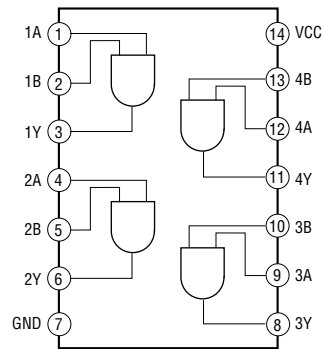
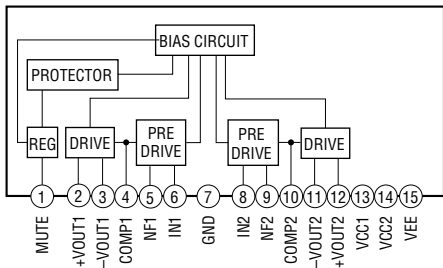
IC501 STK350-230 (MAIN BOARD)



IC701 μPC2581V (MAIN BOARD)

IC702 μPC2581V (MAIN BOARD)

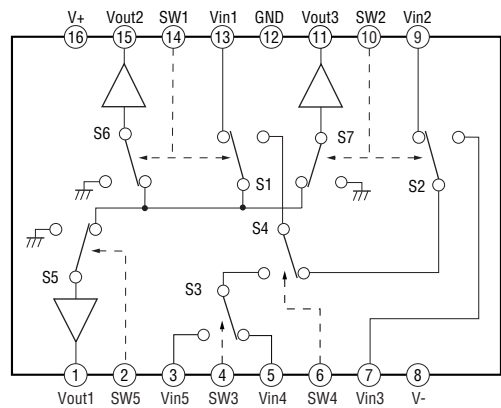
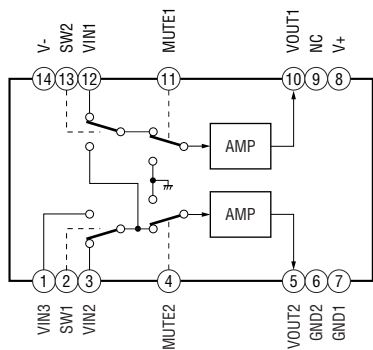
IC101 TC74VHC08AF(EL) (DISPLAY BOARD)



IC1801 NJM2279D (S-VIDEO BOARD)

IC1802 NJM2279D (S-VIDEO BOARD)

IC103 NJM2296D (VIDEO BOARD)



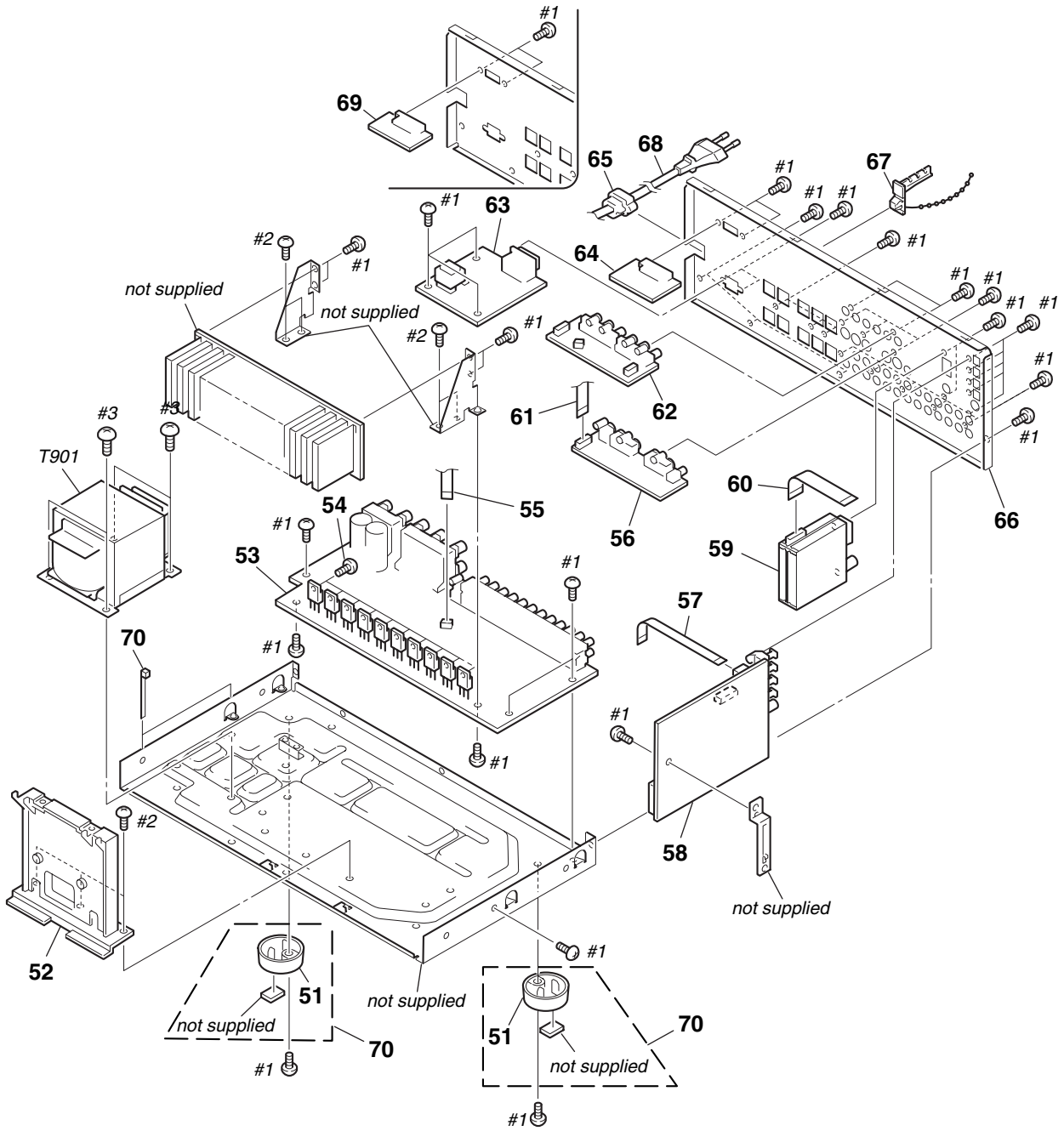
3-17. IC PIN FUNCTION DESCRIPTIONS

• IC1601 MB90478PF-G-101-BND (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	PD	O	Power down signal output to AUDIO CODEC
9	SMUTE	O	Muting signal output to AUDIO CODEC
10	CDT1	O	Control data signal output to AUDIO CODEC
11	VSS	—	Ground
12	SCL	O	Clock signal output to AUDIO CODEC
13	CS	O	Chip select signal output to AUDIO CODEC
14	DATA	O	Control data signal output to the sound processor
15	CLK	O	Clock signal output to the sound processor
16	LATCH	O	Latch signal output to the sound processor
17	MUTING IN	O	Muting signal output to the sound processor
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	F.MUTE	O	Muting signal output
22	AC MUTING	O	Muting signal output to the power amplifier
23	VCC5	—	Power supply
24	ANA/DIG	I	Muting and error signal input
25	DCS LED	O	DCS LED control signal output
26	HP DETECT	I	Headphone switch detect signal input
27	FLASH2	O	Terminal for FLASH programming
28	SP SWITCH/FLASH1	I/O	Speaker ON/OFF switch signal input / Terminal for FLASH programming
29	EQ	O	EQ LED control signal output
30	MODE	O	MODE LED control signal output
31	2CH	O	2CH LED control signal output
32	AFD	O	AFD LED control signal output
33	—	I	Not used
34	—	I	Not used
35	AVCC	—	Analog power supply
36	AVRH	—	Analog reference voltage input
37	AVSS	—	Analog ground
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	A/D3	I	Function key push signal input
42	VSS	—	Ground
43	RDS SIGNAL	I	RDS signal detect input
44	MODEL	I	Version setting input (MODEL)
45	VERSION	I	Version setting input (DESTINATION)
46	MULTI CH LED	O	MULTI CH LED control signal output
47	STOP	I	AC off detect signal input
48	GND (F)	I	Terminal for FLASH programming (Ground)
49	MD0	—	Operation mode setting input
50	MD1	—	Operation mode setting input

Pin No.	Pin Name	I/O	Description
51	MD2	—	Operation mode setting input
52	RDS CLOCK	I	RDS clock signal input
53	RDS DATA	I	RDS data signal input
54	SIRCS	I	Data signal input from the remote control sensor
55	SLEEP	I	Not used
56	POWER KEY	I	Power switch key detect signal input
57	JOG-	I	Jog dial signal input from the rotary encoder
58	JOG+	I	Jog dial signal input from the rotary encoder
59	VOL-	I	Volume signal input from the rotary encoder
60	VOL+	I	Volume signal input from the rotary encoder
61	DIN	O	Data signal output to the FL tube driver
62	CLK	O	Clock signal output to the FL tube driver
63	STB	O	Strobe signal output to the FL tube driver
64	CONTROL A1 OUT	O	Control A1 signal output
65	CONTROL A1 IN	I	Control A1 signal input
66	POWER RELAY	O	Power relay control signal output
67	PROTECTOR	I	Protector status detect signal input
68	HEADPHONE RELAY	O	Headphone relay control signal output
69	WOOFER RELAY	O	Woofers relay control signal output
70	REAR RELAY	O	Rear speaker relay control signal output
71	CENTRE RELAY	O	Centre speaker relay control signal output
72	FRONT RELAY	O	Front speaker relay control signal output
73	STEREO	I	Stereo tuning signal input from the tuner
74	TUNED	I	Tuning a frequency signal input from the tuner
75	MUTING	O	Muting signal output to the tuner
76	DO	I	Frequency data signal input from the tuner
77	RSTX	—	System reset
78	SCLK	O	Clock signal output to the tuner
79	X1A	—	Not used
80	X0A	—	Not used
81	VSS	—	Ground
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	VCC3	—	Power supply
85	—	—	Not used
86	SDATA	O	Data signal output to the tuner
87	SLATCH	O	Latch signal output to the tuner
88	S1	O	Video select control signal output
89	S2	O	Video select control signal output
90	MUTING1	O	Video muting control signal output
91	MUTING2	O	Video muting control signal output
92	OPTICAL IN SELECT	O	Optical in selector control signal output
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
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

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	4-232-237-01	FOOT (DIA. 30)		66	4-232-251-11	BACK PANEL (DE6)(CND)	
52	4-233-263-01	SUB MOLD (DE9)		66	4-232-251-21	BACK PANEL (DE6)(E)	
53	A-4475-797-A	MAIN BOARD, COMPLETE (US)		66	4-232-251-31	BACK PANEL (DE6)(AEP)	
53	A-4475-874-A	MAIN BOARD, COMPLETE (CND)		66	4-232-251-41	BACK PANEL (DE6)(UK)	
53	A-4475-886-A	MAIN BOARD, COMPLETE (AEP,UK,E,MY,SP,TW,KR,MX,AR,CH,AUS)		66	4-232-251-51	BACK PANEL (DE6)(AUS)	
54	3-905-609-01	SCREW (TRANSISTOR)		66	4-232-251-61	BACK PANEL (DE6)(MY,SP)	
55	1-769-844-11	WIRE (FLAT TYPE) (5 CORE)		66	4-232-251-71	BACK PANEL (DE6)(CH)	
56	1-680-538-11	S-VIDEO BOARD		66	4-232-251-81	BACK PANEL (DE6)(TW)	
57	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)		66	4-234-509-01	BACK PANEL (DE6)(KR)	
58	A-4475-804-A	DIGITAL BOARD, COMPLETE (US)		66	4-234-509-11	BACK PANEL (DE6)(MX)	
58	A-4475-878-A	DIGITAL BOARD, COMPLETE (CND)		66	4-234-509-21	BACK PANEL (DE6)(AR)	
58	A-4475-884-A	DIGITAL BOARD, COMPLETE (E,TW,KR,MX)		67	4-956-370-12	BAND, PLUG FIXED(AUS)	
58	A-4475-889-A	DIGITAL BOARD, COMPLETE (AEP,UK)		△ 68	1-696-847-11	CORD, POWER (AUS)	
58	A-4475-949-A	DIGITAL BOARD, COMPLETE (AUS)		△ 68	1-769-079-21	CORD, POWER (KR)	
58	A-4475-952-A	DIGITAL BOARD, COMPLETE (MY,SP,AR,CH)		△ 68	1-777-071-21	CORD, POWER (AEP,UK,E,MY,SP,TW,AR)	
59	1-693-539-11	TUNER (US,CND,E,TW,MX,AR)		△ 68	1-783-205-11	CORD, POWER (CH)	
59	1-693-540-11	TUNER (AEP,UK,MY,SP,KR,CH,AUS)		△ 68	1-783-820-11	CORD, POWER (US,CND,MX)	
60	1-773-004-11	WIRE (FLAT TYPE) (15 CORE)		69	1-680-531-11	IMPEDANCE SELECT BOARD (US,CND)	
61	1-769-905-11	WIRE (FLAT TYPE) (9 CORE)		70	3-701-748-00	CLAMP	
62	1-680-533-11	VIDEO BOARD		△ T901	1-435-436-11	TRANSFORMER, POWER (MX)	
63	A-4475-803-A	STBY BOARD, COMPLETE (US,CND)		△ T901	1-435-897-11	POWER TRANSFORMER (US)	
63	A-4475-881-A	STBY BOARD, COMPLETE (E)		△ T901	1-435-898-11	POWER TRANSFORMER (CND)	
63	A-4475-887-A	STBY BOARD, COMPLETE (AEP,UK,MY,SP)		△ T901	1-435-899-11	POWER TRANSFORMER (TW)	
63	A-4475-942-A	STBY BOARD, COMPLETE (TW)		△ T901	1-435-900-11	POWER TRANSFORMER (KR,AR)	
63	A-4475-946-A	STBY BOARD, COMPLETE (CH)		△ T901	1-435-901-11	POWER TRANSFORMER (E)	
63	A-4475-947-A	STBY BOARD, COMPLETE (AUS)		△ T901	1-435-902-11	POWER TRANSFORMER (AUS)	
63	A-4476-944-A	STBY BOARD, COMPLETE (KR)		△ T901	1-435-903-11	POWER TRANSFORMER (AEP,UK,MY,SP,CH)	
63	A-4476-951-A	STBY BOARD, COMPLETE (MX)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
63	A-4476-954-A	STBY BOARD, COMPLETE (AR)		#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
64	1-680-534-11	AC SELECT BOARD (E)		#3	7-685-880-09	SCREW +BVTT 4X6 (S) (AEP,UK,E,MY,SP,TW,KR,MX,AR,AUS,CH)	
* 65	3-703-244-00	BUSHING (2104), CORD		#3	7-685-881-09	SCREW +BVTT 4X8 (S)(US,CND)	
66	4-232-251-01	BACK PANEL (DE6)(US)					

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

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, -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: μF
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

- COILS
uH: μH
- SEMICONDUCTORS
In each case, u: μ, for example:
uA...: μA... , uPA... , μPA... ,
uPB... , μPB... , uPC... , μPC... ,
uPD... , μPD...
- Abbreviation
CND : Canadian model
MY : Malaysia model
SP : Singapore model
TW : Taiwan model
KR : Korea model
MX : Mexican model
AR : Argentina model
CH : Chinese model
AUS : Australian model

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.

以阴影和 Δ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks
	1-680-534-11	AC SELECT BOARD (E) *****	
		< CONNECTOR >	
* CNP910	1-564-687-11	PIN, CONNECTOR 3P (E) < SWITCH >	
S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)(E)	

	A-4475-804-A	DIGITAL BOARD, COMPLETE (US) *****	
	A-4475-878-A	DIGITAL BOARD, COMPLETE (CND) *****	
	A-4475-889-A	DIGITAL BOARD, COMPLETE (AEP,UK) *****	
	A-4475-949-A	DIGITAL BOARD, COMPLETE (AUS) *****	
	A-4475-952-A	DIGITAL BOARD, COMPLETE (MY,SP,AR,CH) *****	
	A-4475-884-A	DIGITAL BOARD, COMPLETE (E,TW,MX,KR) *****	
		< CAPACITOR >	
C1101	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1102	1-104-664-11	ELECT 47uF	20.00% 16V
C1103	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1104	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1105	1-104-664-11	ELECT 47uF	20.00% 16V
C1106	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1107	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1108	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1109	1-162-918-11	CERAMIC CHIP 18PF	5.00% 50V
C1110	1-162-918-11	CERAMIC CHIP 18PF	5.00% 50V
C1111	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1112	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1113	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1114	1-162-905-11	CERAMIC CHIP 1PF	0.25PF 50V
C1115	1-162-923-11	CERAMIC CHIP 47PF	5% 50V
C1116	1-126-934-11	ELECT 220uF	20.00% 10V
C1117	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1118	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1119	1-126-965-11	ELECT 22uF	20.00% 50V
C1120	1-164-156-11	CERAMIC CHIP 0.1uF	25V

Ref. No.	Part No.	Description	Remarks
C1121	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1122	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1123	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1124	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1125	1-126-964-11	ELECT 10uF	20.00% 50V
C1126	1-126-964-11	ELECT 10uF	20.00% 50V
C1127	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1129	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V
C1201	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1202	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1203	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1204	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1205	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1206	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1207	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1208	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1209	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1210	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1211	1-126-964-11	ELECT 10uF	20.00% 50V
C1212	1-126-964-11	ELECT 10uF	20.00% 50V
C1213	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1214	1-163-038-11	CERAMIC CHIP 0.1uF	25V
C1216	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1218	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1301	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V (AEP,UK)
C1302	1-126-964-11	ELECT 10uF	20.00% 50V (AEP,UK)
C1303	1-126-964-11	ELECT 10uF	20.00% 50V (AEP,UK)
C1304	1-163-038-11	CERAMIC CHIP 0.1uF	25V (AEP,UK)
C1306	1-162-926-11	CERAMIC CHIP 82PF	5% 50V (AEP,UK)
C1307	1-162-923-11	CERAMIC CHIP 47PF	5% 50V (AEP,UK)
C1308	1-163-038-11	CERAMIC CHIP 0.1uF	25V (AEP,UK)
C1309	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1310	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1311	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1312	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V

DIGITAL

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
IC1603	8-759-491-33	IC TC74VHCT08AF (EL)		R1118	1-216-115-00	METAL CHIP	560K 5% 1/10W
IC1605	8-759-544-04	IC NJM2103M-TE2		R1119	1-216-081-00	METAL CHIP	22K 5% 1/10W
IC1901	8-759-647-10	IC uPC2933HF		R1120	1-216-025-11	RES-CHIP	100 5% 1/10W
IC1902	8-759-835-63	IC NJM2391DL1-26-TE1		R1121	1-216-025-11	RES-CHIP	100 5% 1/10W
IC1903	8-759-647-11	IC uPC2905HF		R1122	1-216-025-11	RES-CHIP	100 5% 1/10W
IC1904	8-759-647-10	IC uPC2933HF		R1123	1-216-025-11	RES-CHIP	100 5% 1/10W
		< JACK >		R1124	1-216-025-11	RES-CHIP	100 5% 1/10W
J1101	1-778-228-11	JACK, PIN 1P (DVD/LD IN)		R1201	1-216-073-00	METAL CHIP	10K 5% 1/10W
		< JUMPER RESISTOR >		R1203	1-216-073-00	METAL CHIP	10K 5% 1/10W
JR1102	1-216-295-11	SHORT	0	R1204	1-216-049-11	RES-CHIP	1K 5% 1/10W
JR1103	1-216-295-11	SHORT	0	R1205	1-216-025-11	RES-CHIP	100 5% 1/10W
JR1111	1-216-295-11	SHORT	0 (EXCEPT US, CND)	R1206	1-216-025-11	RES-CHIP	100 5% 1/10W
JR1116	1-216-295-11	SHORT	0	R1207	1-216-025-11	RES-CHIP	100 5% 1/10W
JR1110	1-216-295-11	SHORT	0	R1208	1-216-025-11	RES-CHIP	100 5% 1/10W
JR1112	1-216-295-11	SHORT	0	R1210	1-216-073-00	METAL CHIP	10K 5% 1/10W
JR1113	1-216-295-11	SHORT	0	R1212	1-216-295-11	SHORT	0
JR1114	1-216-295-11	SHORT	0	R1213	1-216-295-11	SHORT	0
JR1117	1-216-295-11	SHORT	0	R1214	1-216-073-11	RES-CHIP	10K 5% 1/10W
		< JUMPER >		R1215	1-216-073-11	RES-CHIP	10K 5% 1/10W
JWH200	1-164-124-11	CERAMIC	300PF 5.00% 50V	R1216	1-216-073-11	RES-CHIP	10K 5% 1/10W
		< COIL >		R1217	1-216-073-11	RES-CHIP	10K 5% 1/10W
L1301	1-500-425-11	FERRITE	0uH (AEP,UK)	R1218	1-216-073-11	RES-CHIP	10K 5% 1/10W
L1901	1-216-295-11	SHORT	0	R1219	1-216-073-11	RES-CHIP	10K 5% 1/10W
		< TRANSISTOR >		R1220	1-216-073-11	RES-CHIP	10K 5% 1/10W
Q1601	8-729-027-43	TRANSISTOR	RT1N141C-TP-1	R1221	1-216-295-11	SHORT	0
Q1602	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L	R1222	1-216-295-11	SHORT	0
Q1603	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L	R1301	1-216-025-11	RES-CHIP	100 5% 1/10W
Q1604	8-729-027-43	TRANSISTOR	RT1N141C-TP-1	R1302	1-216-025-11	RES-CHIP	100 5% 1/10W
Q1605	8-729-113-69	TRANSISTOR	FN1F4M-T1M32	R1303	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
Q1606	8-729-048-78	TRANSISTOR	2SD1733-TL-QR	R1304	1-216-089-11	RES-CHIP	47K 5% 1/10W
Q1607	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L (US,CND)	R1305	1-216-089-11	RES-CHIP	47K 5% 1/10W
		< RESISTOR >		R1308	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1100	1-216-121-11	RES-CHIP	1M 5% 1/10W	R1314	1-216-295-11	SHORT	0
R1101	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1364	1-216-295-11	SHORT	0
R1102	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1501	1-216-037-00	METAL CHIP	330 5% 1/10W
R1104	1-216-025-11	RES-CHIP	100 5% 1/10W	R1502	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1105	1-216-065-00	RES-CHIP	4.7K 5% 1/10W	R1503	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1106	1-216-085-00	METAL CHIP	33K 5% 1/10W	R1504	1-216-037-00	METAL CHIP	330 5% 1/10W
R1107	1-216-067-00	METAL CHIP	5.6K 5% 1/10W	R1505	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R1108	1-216-025-11	RES-CHIP	100 5% 1/10W	R1506	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1109	1-216-025-11	RES-CHIP	100 5% 1/10W	R1507	1-216-065-00	RES-CHIP	4.7K 5% 1/10W
R1110	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1508	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1111	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1509	1-216-025-11	RES-CHIP	100 5% 1/10W
R1112	1-216-033-00	METAL CHIP	220 5% 1/10W	R1516	1-216-295-11	SHORT	0
R1113	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1517	1-216-295-11	SHORT	0
R1114	1-216-025-11	RES-CHIP	100 5% 1/10W	R1518	1-216-295-11	SHORT	0
R1115	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1519	1-216-295-11	SHORT	0
R1116	1-216-022-00	METAL CHIP	75 5% 1/10W	R1520	1-216-295-11	SHORT	0
R1117	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1521	1-216-295-11	SHORT	0
				R1551	1-216-037-00	METAL CHIP	330 5% 1/10W
				R1552	1-216-073-00	METAL CHIP	10K 5% 1/10W
				R1553	1-216-073-00	METAL CHIP	10K 5% 1/10W
				R1554	1-216-037-00	METAL CHIP	330 5% 1/10W
				R1555	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
				R1556	1-216-073-00	METAL CHIP	10K 5% 1/10W

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R1557	1-216-065-00	RES-CHIP	4.7K 5% 1/10W	R1653	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1600	1-216-065-00	RES-CHIP	4.7K 5% 1/10W	R1654	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1601	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1655	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1602	1-216-065-00	RES-CHIP	4.7K 5% 1/10W	R1656	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1603	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1657	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1604	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1658	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1605	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1659	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1606	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1660	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
R1607	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1661	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1608	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1662	1-216-077-00	RES-CHIP	15K 5% 1/10W
R1609	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1663	1-216-059-00	METAL CHIP	2.7K 5% 1/10W
R1610	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1664	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1611	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1665	1-216-081-00	METAL CHIP	22K 5% 1/10W
R1612	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1666	1-216-089-11	RES-CHIP	47K 5% 1/10W
R1613	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1667	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R1614	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1668	1-216-067-00	METAL CHIP	5.6K 5% 1/10W
R1615	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1669	1-216-065-00	RES-CHIP	4.7K 5% 1/10W
R1616	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1670	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1617	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1671	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1618	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1672	1-216-073-00	METAL CHIP	10K 5% 1/10W (US,CND)
R1619	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1673	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1620	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1674	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1621	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1675	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1623	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1676	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1624	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1677	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1625	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1678	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1626	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1679	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1627	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1680	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1628	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1681	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1629	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1682	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1630	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1683	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1631	1-216-065-00	RES-CHIP	4.7K 5% 1/10W	R1684	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1632	1-216-069-00	METAL CHIP	6.8K 5% 1/10W	R1685	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1633	1-216-085-00	METAL CHIP	33K 5% 1/10W	R1686	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1634	1-216-077-00	RES-CHIP	15K 5% 1/10W (AEP,UK)	R1688	1-216-295-11	SHORT	0
R1634	1-216-085-00	METAL CHIP	33K 5% 1/10W (AUS)	R1690	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1634	1-216-081-00	METAL CHIP	22K 5% 1/10W (MY,SP,AR,CH)	R1691	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1634	1-216-073-00	METAL CHIP	10K 5% 1/10W (E,TW,KR,MX)	R1692	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1635	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1693	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1636	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1694	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1638	1-216-065-00	RES-CHIP	4.7K 5% 1/10W	R1696	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1639	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1697	1-216-295-11	SHORT	0 (US,CND)
R1640	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1697	1-216-045-00	METAL CHIP	680 5% 1/10W (AEP,UK)
R1641	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1697	1-216-069-00	METAL CHIP	6.8K 5% 1/10W (AUS)
R1642	1-216-073-00	METAL CHIP	10K 5% 1/10W	R1697	1-216-057-00	METAL CHIP	2.2K 5% 1/10W (MY,SP,AR,CH)
R1643	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1697	1-216-061-00	METAL CHIP	3.3K 5% 1/10W (E,TW,KR,MX)
R1644	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1698	1-216-065-00	RES-CHIP	4.7K 5% 1/10W
R1645	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1699	1-216-065-00	RES-CHIP	4.7K 5% 1/10W
R1646	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1701	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1647	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1702	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1648	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1703	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1649	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1704	1-216-073-00	METAL CHIP	10K 5% 1/10W
R1650	1-216-073-00	METAL CHIP	10K 5% 1/10W	△R1901	1-243-635-11	FUSIBLE	0.33 5% 1/2W
R1651	1-216-073-00	METAL CHIP	10K 5% 1/10W				
R1652	1-216-073-00	METAL CHIP	10K 5% 1/10W				

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

STR-DE675

DIGITAL	DISPLAY
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Ref. No.	Part No.	Description	Remarks
R1902	1-220-753-11	CEMENTED 6.8 5%	5W
		< VIBRATOR >	
X1101	1-781-465-21	VIBRATOR, CRYSTAL 12.288MHz	
X1201	1-795-264-21	VIBRATOR, CERAMIC 13.5 MHz	
X1301	1-579-900-21	VIBRATOR, CRYSTAL 4.33MHz (AEP,UK)	
X1601	1-795-318-11	OSCILLATOR, CERAMIC 20.0MHz	

A-4475-808-A	DISPLAY BOARD, COMPLETE (US)		
A-4475-875-A	DISPLAY BOARD, COMPLETE (CND)		
A-4475-888-A	DISPLAY BOARD, COMPLETE (AEP,UK,AR)		
A-4475-948-A	DISPLAY BOARD, COMPLETE (AUS)		
A-4475-951-A	DISPLAY BOARD, COMPLETE (MY,SP,KR,CH)		
A-4475-882-A	DISPLAY BOARD, COMPLETE (E)		
A-4476-952-A	DISPLAY BOARD, COMPLETE (MX)		
A-4475-943-A	DISPLAY BOARD, COMPLETE (TW)		
* 3-386-245-11	HOLDER (FL)		
* 4-921-941-01	CUSHION (FL)		
		< CAPACITOR >	
C100	1-164-159-11	CERAMIC 0.1uF	50V
C101	1-164-159-11	CERAMIC 0.1uF	50V
C104	1-164-159-11	CERAMIC 0.1uF	50V
C105	1-126-795-11	ELECT 10uF 20.00%	50V
C108	1-164-159-11	CERAMIC 0.1uF	50V
C109	1-164-159-11	CERAMIC 0.1uF	50V
C110	1-128-809-11	CERAMIC 100PF 5%	50V
C111	1-128-809-11	CERAMIC 100PF 5%	50V
C112	1-128-809-11	CERAMIC 100PF 5%	50V
C114	1-164-159-11	CERAMIC 0.1uF	50V
C115	1-126-795-11	ELECT 10uF 20.00%	50V
C144	1-164-159-11	CERAMIC 0.1uF	50V
C150	1-164-159-11	CERAMIC 0.1uF	50V
C151	1-126-795-11	ELECT 10uF 20.00%	50V
		< CONNECTOR >	
CNP102	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
CNS100	1-569-327-11	SOCKET, CONNECTOR 27P	
		< DIODE >	
D100	8-719-075-59	DIODE SELS5B23C-TP15 (Digital Cinema Sound)	
D101	8-719-046-39	DIODE SEL5821A-TP15 (EQ)	
D102	8-719-084-07	DIODE SEL5E20CTP15	
		(MULTI CHANNEL DECODING)	
D103	8-719-046-39	DIODE SEL5821A-TP15 (A.F.D.)	
D104	8-719-046-39	DIODE SEL5821A-TP15 (2CH)	
D105	8-719-046-39	DIODE SEL5821A-TP15 (MODE)	
D106	8-719-046-39	DIODE SEL5821A-TP15 (SUR)	
D107	8-719-046-39	DIODE SEL5821A-TP15 (LEVEL)	
D108	8-719-046-39	DIODE SEL5821A-TP15 (NAME)	
D109	8-719-046-39	DIODE SEL5821A-TP15 (SET UP)	

Ref. No.	Part No.	Description	Remarks
		< FILTER >	
FL101	1-518-718-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC100	8-759-643-83	IC uPD16315GB-3BS	
IC101	8-759-491-33	IC TC74VHCT08AF(EL)	
IC102	8-749-011-22	IC GP1U27X (REMOTE CONTROL)	
		< TRANSISTOR >	
Q100	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q101	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q102	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q103	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q104	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q105	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
		< RESISTOR >	
R100	1-249-413-11	CARBON 470 5%	1/4W F
R101	1-249-417-11	CARBON 1K 5%	1/4W F
R102	1-249-417-11	CARBON 1K 5%	1/4W F
R103	1-249-421-11	CARBON 2.2K 5%	1/4W F
R104	1-249-421-11	CARBON 2.2K 5%	1/4W F
R105	1-249-425-11	CARBON 4.7K 5%	1/4W F
R106	1-249-429-11	CARBON 10K 5%	1/4W
R107	1-249-413-11	CARBON 470 5%	1/4W F
R108	1-249-417-11	CARBON 1K 5%	1/4W F
R109	1-249-417-11	CARBON 1K 5%	1/4W F
R110	1-249-421-11	CARBON 2.2K 5%	1/4W F
R111	1-249-421-11	CARBON 2.2K 5%	1/4W F
R112	1-249-425-11	CARBON 4.7K 5%	1/4W F
R113	1-249-429-11	CARBON 10K 5%	1/4W
R114	1-249-433-11	CARBON 22K 5%	1/4W
R115	1-249-437-11	CARBON 47K 5%	1/4W
R116	1-249-413-11	CARBON 470 5%	1/4W F
R117	1-249-417-11	CARBON 1K 5%	1/4W F
R118	1-249-417-11	CARBON 1K 5%	1/4W F
R119	1-249-421-11	CARBON 2.2K 5%	1/4W F
R120	1-249-421-11	CARBON 2.2K 5%	1/4W F
R121	1-249-425-11	CARBON 4.7K 5%	1/4W F
R122	1-249-429-11	CARBON 10K 5%	1/4W
R123	1-249-433-11	CARBON 22K 5%	1/4W
R125	1-249-413-11	CARBON 470 5%	1/4W F (AEP,UK,AR)
R126	1-249-417-11	CARBON 1K 5%	1/4W F
R127	1-249-417-11	CARBON 1K 5%	1/4W F
R128	1-249-421-11	CARBON 2.2K 5%	1/4W F
R129	1-249-421-11	CARBON 2.2K 5%	1/4W F
R130	1-249-425-11	CARBON 4.7K 5%	1/4W F
R131	1-249-429-11	CARBON 10K 5%	1/4W
R137	1-249-403-11	CARBON 68 5%	1/4W F
R138	1-249-409-11	CARBON 220 5%	1/4W F
R139	1-249-409-11	CARBON 220 5%	1/4W F
R140	1-249-409-11	CARBON 220 5%	1/4W F
R141	1-249-421-11	CARBON 2.2K 5%	1/4W F
R142	1-249-421-11	CARBON 2.2K 5%	1/4W F
R143	1-249-421-11	CARBON 2.2K 5%	1/4W F
R144	1-249-421-11	CARBON 2.2K 5%	1/4W F
R145	1-249-409-11	CARBON 220 5%	1/4W F

IMPEDANCE SELECT

JOG

MAIN

Ref. No.	Part No.	Description	Remarks
R146	1-249-421-11	CARBON 2.2K 5%	1/4W F
R147	1-249-409-11	CARBON 220 5%	1/4W F
R148	1-249-421-11	CARBON 2.2K 5%	1/4W F
R149	1-249-409-11	CARBON 220 5%	1/4W F
R150	1-249-409-11	CARBON 220 5%	1/4W F
R151	1-249-409-11	CARBON 220 5%	1/4W F
R152	1-249-409-11	CARBON 220 5%	1/4W F
R153	1-247-807-31	CARBON 100 5%	1/4W
R158	1-249-440-11	CARBON 82K 5%	1/4W
△R198	1-249-381-11	CARBON 1 5%	1/4W F
△R199	1-249-381-11	CARBON 1 5%	1/4W F
		< VARIABLE RESISTOR >	
RV102	1-418-773-11	ENCODER, ROTARY (MASTER VOLUME)	
		< SWITCH >	
S100	1-762-875-21	SWITCH, TACTILE (MUTING)	
S101	1-762-875-21	SWITCH, TACTILE (MODE)	
S102	1-762-875-21	SWITCH, TACTILE (MULTI CH IN)	
S103	1-762-875-21	SWITCH, TACTILE (INPUT MODE)	
S104	1-762-875-21	SWITCH, TACTILE (TV/SAT)	
S105	1-762-875-21	SWITCH, TACTILE (CD)	
S106	1-762-875-21	SWITCH, TACTILE (TUNER)	
S107	1-762-875-21	SWITCH, TACTILE (VIDEO2)	
S108	1-762-875-21	SWITCH, TACTILE (TUNING -)	
S109	1-762-875-21	SWITCH, TACTILE (PRESET TUNING -)	
S110	1-762-875-21	SWITCH, TACTILE (SET UP)	
S111	1-762-875-21	SWITCH, TACTILE (NAME)	
S112	1-762-875-21	SWITCH, TACTILE (ENTER)	
S113	1-762-875-21	SWITCH, TACTILE (LEVEL)	
S114	1-762-875-21	SWITCH, TACTILE (SUR)	
S115	1-762-875-21	SWITCH, TACTILE (DVD/LD)	
S116	1-762-875-21	SWITCH, TACTILE (VIDEO1)	
S117	1-762-875-21	SWITCH, TACTILE (MD/TAPE)	
S118	1-762-875-21	SWITCH, TACTILE (AM)	
S119	1-762-875-21	SWITCH, TACTILE (FM)	
S120	1-762-875-21	SWITCH, TACTILE (<)	
S121	1-762-875-21	SWITCH, TACTILE (>)	
S122	1-762-875-21	SWITCH, TACTILE (SHIFT)	
S123	1-762-875-21	SWITCH, TACTILE (TUNING +)	
S124	1-762-875-21	SWITCH, TACTILE (PRESET TUNING +)	
S125	1-762-875-21	SWITCH, TACTILE (MEMORY)	
S126	1-762-875-21	SWITCH, TACTILE (FM MODE)(AEP,UK,AR)	
S128	1-762-875-21	SWITCH, TACTILE (AUX)	
S129	1-762-875-21	SWITCH, TACTILE (CINEMA STUDIO EX C)	
S130	1-762-875-21	SWITCH, TACTILE (CINEMA STUDIO EX B)	
S131	1-762-875-21	SWITCH, TACTILE (CINEMA STUDIO EX A)	
S132	1-762-875-21	SWITCH, TACTILE (EQ)	
S133	1-762-875-21	SWITCH, TACTILE (EQUALIZER)	
S134	1-762-875-21	SWITCH, TACTILE (A.F.D.)	
S135	1-762-875-21	SWITCH, TACTILE (2CH)	

	1-680-529-11	HEADPHONE BOARD	

		< CAPACITOR >	
C790	1-128-809-11	CERAMIC 100PF 5% 50V	

Ref. No.	Part No.	Description	Remarks
		< CONNECTOR >	
CNP791	1-691-766-11	PLUG (MICRO CONNECTOR) 4P	
		< DIODE >	
D790	8-719-210-21	DIODE 11EQS04-NTA2B	
		< JACK >	
J791	1-815-314-21	JACK (PHONES)(US,CND,AEP,UK,E,MX,AR,AUS)	
J791	1-815-313-21	JACK (PHONES)(MY,SP,TW,KR,CH)	

	1-680-531-11	IMPEDANCE SELECT BOARD (US,CND)	

		< CONNECTOR >	
* CNP803	1-564-242-00	PIN, CONNECTOR 5P (US,CND)	
		< DIODE >	
D810	8-719-024-99	DIODE 11ES2-NTA2B (US,CND)	
D811	8-719-024-99	DIODE 11ES2-NTA2B (US,CND)	
		< FUSIBLE RESISTOR >	
△RF801	1-240-877-11	RES, NONFLAMMABE FUSE 0.15 5%	1/2W
		< SWITCH >	
S902	1-786-107-11	SLIDE SWITCH (IMPEDANCE SELECTOR)	(US,CND)

	1-680-532-11	JOG BOARD	*****
		< CONNECTOR >	
* CN101	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
		< VARIABLE RESISTOR >	
RV101	1-418-817-11	ENCODER, ROTARY (JOG DIAL)	

	A-4475-797-A	MAIN BOARD, COMPLETE (US)	*****
	A-4475-874-A	MAIN BOARD, COMPLETE (CND)	*****
	A-4475-886-A	MAIN BOARD, COMPLETE	*****
		(AEP,UK,E,MY,SP,TW,KR,MX,AR,CH,AUS)	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
		< CAPACITOR >	
C371	1-128-809-11	CERAMIC 100PF 5% 50V	
C372	1-128-809-11	CERAMIC 100PF 5% 50V	
C373	1-128-809-11	CERAMIC 100PF 5% 50V	
C374	1-128-809-11	CERAMIC 100PF 5% 50V	
C375	1-128-809-11	CERAMIC 100PF 5% 50V	
C376	1-128-809-11	CERAMIC 100PF 5% 50V	
C400	1-162-302-11	CERAMIC 0.0022uF 20.00% 16V	

<p>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p>	<p>Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>	<p>以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。</p>
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STR-DE675

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C401	1-126-964-11	ELECT	10uF 20.00% 50V	C501	1-126-963-11	ELECT	4.7uF 20.00% 50V
C402	1-126-964-11	ELECT	10uF 20.00% 50V	C503	1-104-665-11	ELECT	100uF 20.00% 10V
C403	1-126-964-11	ELECT	10uF 20.00% 50V	C504	1-107-583-11	CERAMIC	3PF 0.25PF 500V
C404	1-126-964-11	ELECT	10uF 20.00% 50V	C505	1-102-989-00	CERAMIC	68PF 5.00% 500V
C405	1-126-964-11	ELECT	10uF 20.00% 50V	C506	1-102-989-00	CERAMIC	68PF 5.00% 500V
C406	1-126-964-11	ELECT	10uF 20.00% 50V	C507	1-128-809-11	CERAMIC	100PF 5% 50V
C407	1-126-964-11	ELECT	10uF 20.00% 50V	C510	1-104-664-11	ELECT	47uF 20.00% 25V
C408	1-126-964-11	ELECT	10uF 20.00% 50V	C511	1-136-157-00	FILM	0.022uF 5.00% 50V
C409	1-126-964-11	ELECT	10uF 20.00% 50V	C519	1-128-813-11	CERAMIC	220PF 5% 50V
C411	1-126-961-11	ELECT	2.2uF 20.00% 50V	C540	1-126-964-11	ELECT	10uF 20.00% 50V
C412	1-126-961-11	ELECT	2.2uF 20.00% 50V	C600	1-162-302-11	CERAMIC	0.0022uF 20.00% 16V
C413	1-126-964-11	ELECT	10uF 20.00% 50V	C601	1-126-963-11	ELECT	4.7uF 20.00% 50V
C414	1-126-964-11	ELECT	10uF 20.00% 50V	C603	1-104-665-11	ELECT	100uF 20.00% 10V
C415	1-126-964-11	ELECT	10uF 20.00% 50V	C604	1-107-583-11	CERAMIC	3PF 0.25PF 500V
C416	1-126-964-11	ELECT	10uF 20.00% 50V	C605	1-102-233-00	CERAMIC	33PF 10.00% 500V
C417	1-126-964-11	ELECT	10uF 20.00% 50V	C606	1-128-809-11	CERAMIC	100PF 5% 50V
C418	1-126-964-11	ELECT	10uF 20.00% 50V	C607	1-128-809-11	CERAMIC	100PF 5% 50V
C419	1-126-964-11	ELECT	10uF 20.00% 50V	C610	1-104-664-11	ELECT	47uF 20.00% 25V
C431	1-126-961-11	ELECT	2.2uF 20.00% 50V	C611	1-136-157-00	FILM	0.022uF 5.00% 50V
C432	1-126-961-11	ELECT	2.2uF 20.00% 50V	C616	1-106-355-12	MYLAR	3300PF 5% 200V
C433	1-126-964-11	ELECT	10uF 20.00% 50V	C617	1-106-355-12	MYLAR	3300PF 5% 200V
C451	1-126-964-11	ELECT	10uF 20.00% 50V	C619	1-128-813-11	CERAMIC	220PF 5% 50V
C452	1-126-964-11	ELECT	10uF 20.00% 50V	C640	1-126-964-11	ELECT	10uF 20.00% 50V
C453	1-126-964-11	ELECT	10uF 20.00% 50V	C651	1-126-963-11	ELECT	4.7uF 20.00% 50V
C454	1-126-964-11	ELECT	10uF 20.00% 50V	C653	1-104-665-11	ELECT	100uF 20.00% 10V
C455	1-126-964-11	ELECT	10uF 20.00% 50V	C654	1-107-583-11	CERAMIC	3PF 0.25PF 500V
C456	1-126-964-11	ELECT	10uF 20.00% 50V	C655	1-102-233-00	CERAMIC	33PF 10.00% 500V
C457	1-126-964-11	ELECT	10uF 20.00% 50V	C656	1-128-809-11	CERAMIC	100PF 5% 50V
C458	1-126-964-11	ELECT	10uF 20.00% 50V	C657	1-128-809-11	CERAMIC	100PF 5% 50V
C459	1-126-964-11	ELECT	10uF 20.00% 50V	C660	1-104-664-11	ELECT	47uF 20.00% 25V
C461	1-126-961-11	ELECT	2.2uF 20.00% 50V	C661	1-136-157-00	FILM	0.022uF 5.00% 50V
C462	1-126-961-11	ELECT	2.2uF 20.00% 50V	C670	1-128-813-11	CERAMIC	220PF 5% 50V
C464	1-164-159-11	CERAMIC	0.1uF 50V	C680	1-126-964-11	ELECT	10uF 20.00% 50V
C465	1-126-964-11	ELECT	10uF 20.00% 50V	C691	1-164-159-11	CERAMIC	0.1uF 50V
C466	1-126-964-11	ELECT	10uF 20.00% 50V	C700	1-162-302-11	CERAMIC	0.0022uF 20.00% 16V
C467	1-164-159-11	CERAMIC	0.1uF 50V	C701	1-126-963-11	ELECT	4.7uF 20.00% 50V
C471	1-126-963-11	ELECT	4.7uF 20.00% 50V	C703	1-104-665-11	ELECT	100uF 20.00% 10V
C481	1-126-964-11	ELECT	10uF 20.00% 50V	C704	1-107-583-11	CERAMIC	3PF 0.25PF 500V
C482	1-126-964-11	ELECT	10uF 20.00% 50V	C705	1-102-233-00	CERAMIC	33PF 10.00% 500V
C483	1-126-964-11	ELECT	10uF 20.00% 50V	C706	1-128-809-11	CERAMIC	100PF 5% 50V
C484	1-126-964-11	ELECT	10uF 20.00% 50V	C707	1-128-809-11	CERAMIC	100PF 5% 50V
C485	1-126-964-11	ELECT	10uF 20.00% 50V	C710	1-104-664-11	ELECT	47uF 20.00% 25V
C486	1-126-964-11	ELECT	10uF 20.00% 50V	C711	1-104-664-11	ELECT	47uF 20.00% 25V
C487	1-126-964-11	ELECT	10uF 20.00% 50V	C719	1-136-157-00	FILM	0.022uF 5.00% 50V
C488	1-164-159-11	CERAMIC	0.1uF 50V	C720	1-128-813-11	CERAMIC	220PF 5% 50V
C489	1-128-809-11	CERAMIC	100PF 5% 50V	C721	1-126-934-11	ELECT	220uF 20.00% 10V
C490	1-128-809-11	CERAMIC	100PF 5% 50V	C722	1-126-964-11	ELECT	10uF 20.00% 50V
C491	1-126-964-11	ELECT	10uF 20.00% 50V	C732	1-128-582-11	ELECT	10uF 20.00% 100V
C492	1-126-964-11	ELECT	10uF 20.00% 50V	C733	1-128-582-11	ELECT	10uF 20.00% 100V
C493	1-126-964-11	ELECT	10uF 20.00% 50V	C740	1-126-964-11	ELECT	10uF 20.00% 50V
C494	1-126-964-11	ELECT	10uF 20.00% 50V	C741	1-128-579-11	ELECT	2.2uF 20.00% 100V
C495	1-126-964-11	ELECT	10uF 20.00% 50V	C750	1-126-964-11	ELECT	10uF 20.00% 50V
C496	1-126-963-11	ELECT	4.7uF 20.00% 50V	C751	1-126-963-11	ELECT	4.7uF 20.00% 50V
C497	1-128-809-11	CERAMIC	100PF 5% 50V	C753	1-104-665-11	ELECT	100uF 20.00% 10V
C498	1-128-805-11	CERAMIC	47PF 5% 50V (US)	C754	1-107-583-11	CERAMIC	3PF 0.25PF 500V
C498	1-128-815-11	CERAMIC	330PF 5% 50V (EXCEPT US)	C755	1-102-233-00	CERAMIC	33PF 10.00% 500V
C500	1-162-302-11	CERAMIC	0.0022uF 20.00% 16V	C756	1-128-809-11	CERAMIC	100PF 5% 50V
				C757	1-128-809-11	CERAMIC	100PF 5% 50V
				C760	1-104-664-11	ELECT	47uF 20.00% 25V

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C761	1-136-157-00	FILM	0.022uF 5.00% 50V	CC56	1-128-809-11	CERAMIC 100PF 5% 50V	(EXCEPT US,CND)
C770	1-128-813-11	CERAMIC	220PF 5% 50V	CC57	1-128-809-11	CERAMIC 100PF 5% 50V	(EXCEPT US,CND)
C800	1-162-302-11	CERAMIC	0.0022uF 20.00% 16V	CC58	1-128-809-11	CERAMIC 100PF 5% 50V	(EXCEPT US,CND)
C801	1-126-947-11	ELECT	47uF 20.00% 35V	CC61	1-128-809-11	CERAMIC 100PF 5% 50V	(EXCEPT US,CND)
C802	1-126-947-11	ELECT	47uF 20.00% 35V	CC62	1-128-809-11	CERAMIC 100PF 5% 50V	(EXCEPT US,CND)
C803	1-109-932-11	ELECT(BLOCK)	10000uF 20.00% 71V	< CONNECTOR >			
C804	1-109-932-11	ELECT(BLOCK)	10000uF 20.00% 71V	* CN791	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	
C805	1-135-851-21	MYLAR	0.22uF 100V	CN905	1-766-200-11	SOCKET, CONNECTOR PIN 5P	
C806	1-135-851-21	MYLAR	0.22uF 100V	* CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	
C807	1-104-665-11	ELECT	100uF 20.00% 10V	CNP502	1-784-038-11	CONNECTOR, BOARD TO BOARD 9P	
C808	1-104-665-11	ELECT	100uF 20.00% 10V	* CNP801	1-564-242-00	PIN, CONNECTOR 5P (EXCEPT US,CND)	
C809	1-104-665-11	ELECT	100uF 20.00% 10V	CNP802	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
C810	1-164-159-11	CERAMIC	0.1uF 50V	CNP911	1-784-930-11	PIN, CONNECTOR 15P	
C825	1-164-159-11	CERAMIC	0.1uF 50V	CNS501	1-569-315-11	SOCKET, CONNECTOR 5P	
C826	1-104-664-11	ELECT	47uF 20.00% 25V	< DIODE >			
C827	1-104-664-11	ELECT	47uF 20.00% 25V	D505	8-719-911-19	DIODE 1SS133T-72	
C896	1-104-664-11	ELECT	47uF 20.00% 16V	D510	8-719-911-19	DIODE 1SS133T-72	
C897	1-164-159-11	CERAMIC	0.1uF 50V	D540	8-719-911-19	DIODE 1SS133T-72	
CC01	1-128-809-11	CERAMIC	100PF 5% 50V	D560	8-719-911-19	DIODE 1SS133T-72	
CC02	1-128-809-11	CERAMIC	100PF 5% 50V	D605	8-719-911-19	DIODE 1SS133T-72	
CC03	1-128-809-11	CERAMIC	100PF 5% 50V	D610	8-719-911-19	DIODE 1SS133T-72	
CC04	1-128-809-11	CERAMIC	100PF 5% 50V	D640	8-719-911-19	DIODE 1SS133T-72	
CC05	1-128-809-11	CERAMIC	100PF 5% 50V	D665	8-719-911-19	DIODE 1SS133T-72	
CC06	1-128-809-11	CERAMIC	100PF 5% 50V	D680	8-719-911-19	DIODE 1SS133T-72	
CC07	1-128-809-11	CERAMIC	100PF 5% 50V	D705	8-719-911-19	DIODE 1SS133T-72	
CC08	1-128-809-11	CERAMIC	100PF 5% 50V	D710	8-719-911-19	DIODE 1SS133T-72	
CC12	1-127-876-11	CERAMIC	0.01uF 10% 50V	D721	8-719-911-19	DIODE 1SS133T-72	
CC14	1-127-876-11	CERAMIC	0.01uF 10% 50V	D722	8-719-911-19	DIODE 1SS133T-72	
CC16	1-127-876-11	CERAMIC	0.01uF 10% 50V	D731	8-719-911-19	DIODE 1SS133T-72	
CC18	1-127-876-11	CERAMIC	0.01uF 10% 50V	D732	8-719-911-19	DIODE 1SS133T-72	
CC20	1-127-876-11	CERAMIC	0.01uF 10% 50V	D733	8-719-911-19	DIODE 1SS133T-72	
CC31	1-128-809-11	CERAMIC	100PF 5% 50V	D734	8-719-911-19	DIODE 1SS133T-72	
CC32	1-128-809-11	CERAMIC	100PF 5% 50V	D740	8-719-911-19	DIODE 1SS133T-72	
CC41	1-128-809-11	CERAMIC	100PF 5% 50V	D750	8-719-911-19	DIODE 1SS133T-72	
CC42	1-128-809-11	CERAMIC	100PF 5% 50V	D765	8-719-911-19	DIODE 1SS133T-72	
CC51	1-128-809-11	CERAMIC	100PF 5% 50V	D791	8-719-911-19	DIODE 1SS133T-72	
CC52	1-128-809-11	CERAMIC	100PF 5% 50V	D801	8-719-934-21	DIODE HZS30-1LTA	
CC53	1-128-809-11	CERAMIC	100PF 5% 50V	D802	8-719-072-05	DIODE RBV-602LF-A	
CC54	1-128-809-11	CERAMIC	100PF 5% 50V	D804	8-719-160-26	DIODE HZ5.6BP-TK	
CC55	1-128-809-11	CERAMIC	100PF 5% 50V	D833	8-719-043-76	DIODE AK04V1	
				D896	8-719-043-76	DIODE AK04V1	
				< IC >			
				IC201	8-759-827-92	IC M61511FP	
				IC401	8-759-636-74	IC M5218AP-22	
				IC501	8-749-011-16	IC STK350-230	
				IC601	8-759-636-74	IC M5218AP-22	
				IC701	8-759-326-52	IC uPC2581V	
				IC702	8-759-326-52	IC uPC2581V	
				IC801	8-759-605-00	IC M5F78M07L	
				IC802	8-759-604-95	IC M5F79M07L	

STR-DE675

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
IC803	8-759-647-10	IC uPC2933HF		Q710	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
IC804	8-759-701-65	IC NJM79M05FA		Q722	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA
IC806	8-759-376-91	IC uPC78M12AHF		Q723	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
IC807	8-759-039-69	IC uPC7805AHF		Q725	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA
		< JACK >		Q740	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
J401	1-779-380-11	JACK, PIN 6P (MULTI CH IN,AUX IN)		Q747	8-729-900-63	TRANSISTOR	BN1F4M-TP
J402	1-774-411-11	JACK, PIN 6P (CD IN, MD/TAPE OUT)		Q748	8-729-900-36	TRANSISTOR	BA1F4M-TP
J403	1-774-411-11	JACK, PIN 6P (MD/TAPE IN,TV/SAT IN,DVD/LD IN)		Q750	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
J404	1-774-411-11	JACK, PIN 6P (VIDEO2 IN,VIDEO1 OUT,VIDEO1 IN)		Q751	8-729-119-76	TRANSISTOR	2SA1115TP-EF
J405	1-774-843-11	JACK, PIN 1P (SUB WOOFER)		Q752	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
		< COIL >		Q753	8-749-010-25	TRANSISTOR	MN2488-OPY-M
L521	1-420-872-00	COIL, AIR-CORE		Q754	8-749-010-26	TRANSISTOR	MP1620-OPY-M
L601	1-420-872-00	COIL, AIR-CORE		Q755	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA
L651	1-420-872-00	COIL, AIR-CORE		Q756	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA
L701	1-420-872-00	COIL, AIR-CORE		Q790	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
L751	1-420-872-00	COIL, AIR-CORE		Q801	8-729-140-97	TRANSISTOR	2SB734-T-34
		< TRANSISTOR >				< RESISTOR >	
Q361	8-729-823-22	TRANSISTOR	2SC3576-AC	R360	1-249-437-11	CARBON	47K 5% 1/4W
Q362	8-729-823-22	TRANSISTOR	2SC3576-AC	R361	1-249-429-11	CARBON	10K 5% 1/4W
Q363	8-729-823-22	TRANSISTOR	2SC3576-AC	R362	1-249-429-11	CARBON	10K 5% 1/4W
Q364	8-729-823-22	TRANSISTOR	2SC3576-AC	R363	1-249-437-11	CARBON	47K 5% 1/4W
Q365	8-729-823-22	TRANSISTOR	2SC3576-AC	R366	1-249-429-11	CARBON	10K 5% 1/4W
Q366	8-729-823-22	TRANSISTOR	2SC3576-AC	R367	1-249-437-11	CARBON	47K 5% 1/4W
Q379	8-729-900-63	TRANSISTOR	BN1F4M-TP	R368	1-249-437-11	CARBON	47K 5% 1/4W
Q471	8-729-823-22	TRANSISTOR	2SC3576-AC	R369	1-249-429-11	CARBON	10K 5% 1/4W
Q501	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R370	1-249-429-11	CARBON	10K 5% 1/4W
Q502	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R371	1-249-437-11	CARBON	47K 5% 1/4W
Q503	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R372	1-249-437-11	CARBON	47K 5% 1/4W
Q504	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R373	1-249-417-11	CARBON	1K 5% 1/4W F
Q505	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R374	1-249-417-11	CARBON	1K 5% 1/4W F
Q506	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R375	1-249-417-11	CARBON	1K 5% 1/4W F
Q540	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2	R376	1-249-417-11	CARBON	1K 5% 1/4W F
Q550	8-729-119-79	TRANSISTOR	2SC2785TP-FEK	R377	1-249-417-11	CARBON	1K 5% 1/4W F
Q560	8-729-119-79	TRANSISTOR	2SC2785TP-FEK	R378	1-249-417-11	CARBON	1K 5% 1/4W F
Q601	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R379	1-249-429-11	CARBON	10K 5% 1/4W
Q602	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R380	1-249-441-11	CARBON	100K 5% 1/4W
Q603	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R381	1-249-429-11	CARBON	10K 5% 1/4W
Q604	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R401	1-249-417-11	CARBON	1K 5% 1/4W F
Q605	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R402	1-249-417-11	CARBON	1K 5% 1/4W F
Q606	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R403	1-249-417-11	CARBON	1K 5% 1/4W F
Q610	8-729-119-79	TRANSISTOR	2SC2785TP-FEK	R404	1-249-417-11	CARBON	1K 5% 1/4W F
Q640	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2	R405	1-249-417-11	CARBON	1K 5% 1/4W F
Q651	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R406	1-249-417-11	CARBON	1K 5% 1/4W F
Q652	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R407	1-249-417-11	CARBON	1K 5% 1/4W F
Q653	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R408	1-249-417-11	CARBON	1K 5% 1/4W F
Q654	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R409	1-249-417-11	CARBON	1K 5% 1/4W F
Q655	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R411	1-249-417-11	CARBON	1K 5% 1/4W F
Q656	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R412	1-249-417-11	CARBON	1K 5% 1/4W F
Q680	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2	R413	1-249-437-11	CARBON	47K 5% 1/4W
Q691	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2	R414	1-249-437-11	CARBON	47K 5% 1/4W
Q692	8-729-900-63	TRANSISTOR	BN1F4M-TP	R415	1-249-437-11	CARBON	47K 5% 1/4W
Q701	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R416	1-249-437-11	CARBON	47K 5% 1/4W
Q702	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R417	1-249-437-11	CARBON	47K 5% 1/4W
Q703	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R418	1-249-437-11	CARBON	47K 5% 1/4W
Q704	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R419	1-249-437-11	CARBON	47K 5% 1/4W
Q705	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R420	1-249-437-11	CARBON	47K 5% 1/4W
Q706	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R421	1-249-437-11	CARBON	47K 5% 1/4W

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R422	1-249-437-11	CARBON	47K 5% 1/4W	R533	1-249-437-11	CARBON	47K 5% 1/4W
R423	1-249-437-11	CARBON	47K 5% 1/4W	△ R534	1-249-389-11	CARBON	4.7 5% 1/4W F
R424	1-249-437-11	CARBON	47K 5% 1/4W	R540	1-247-866-11	CARBON	30K 5% 1/4W
R425	1-249-437-11	CARBON	47K 5% 1/4W	R555	1-249-433-11	CARBON	22K 5% 1/4W
R426	1-249-437-11	CARBON	47K 5% 1/4W	R556	1-249-433-11	CARBON	22K 5% 1/4W
R427	1-249-437-11	CARBON	47K 5% 1/4W	R557	1-249-431-11	CARBON	15K 5% 1/4W
R431	1-249-417-11	CARBON	1K 5% 1/4W F	R573	1-249-437-11	CARBON	47K 5% 1/4W
R432	1-249-417-11	CARBON	1K 5% 1/4W F	R601	1-249-417-11	CARBON	1K 5% 1/4W F
R435	1-249-437-11	CARBON	47K 5% 1/4W	R602	1-249-439-11	CARBON	68K 5% 1/4W
R436	1-249-437-11	CARBON	47K 5% 1/4W	R603	1-249-418-11	CARBON	1.2K 5% 1/4W F
R441	1-249-437-11	CARBON	47K 5% 1/4W	R604	1-249-439-11	CARBON	68K 5% 1/4W
R442	1-249-437-11	CARBON	47K 5% 1/4W	R610	1-249-421-11	CARBON	2.2K 5% 1/4W F
R443	1-249-437-11	CARBON	47K 5% 1/4W	R611	1-249-440-11	CARBON	82K 5% 1/4W
R444	1-249-437-11	CARBON	47K 5% 1/4W	R613	1-249-414-11	CARBON	560 5% 1/4W F
R445	1-249-437-11	CARBON	47K 5% 1/4W	△ R614	1-249-408-11	CARBON	180 5% 1/4W F
R446	1-249-437-11	CARBON	47K 5% 1/4W	△ R615	1-249-408-11	CARBON	180 5% 1/4W F
R447	1-249-437-11	CARBON	47K 5% 1/4W	△ R616	1-234-182-11	ENCAPSULATED COMPONENT	
R451	1-249-417-11	CARBON	1K 5% 1/4W F	△ R617	1-249-393-11	CARBON	10 5% 1/4W F
R452	1-249-417-11	CARBON	1K 5% 1/4W F	△ R618	1-249-389-11	CARBON	4.7 5% 1/4W F
R453	1-249-417-11	CARBON	1K 5% 1/4W F	R620	1-249-425-11	CARBON	4.7K 5% 1/4W F
R454	1-249-417-11	CARBON	1K 5% 1/4W F	R621	1-247-850-11	CARBON	6.2K 5% 1/4W
R455	1-249-417-11	CARBON	1K 5% 1/4W F	R622	1-249-419-11	CARBON	1.5K 5% 1/4W F
R456	1-249-417-11	CARBON	1K 5% 1/4W F	R623	1-249-437-11	CARBON	47K 5% 1/4W
R457	1-249-417-11	CARBON	1K 5% 1/4W F	R624	1-249-431-11	CARBON	15K 5% 1/4W
R458	1-249-417-11	CARBON	1K 5% 1/4W F	R625	1-247-881-00	CARBON	120K 5% 1/4W
R459	1-249-417-11	CARBON	1K 5% 1/4W F	R631	1-249-425-11	CARBON	4.7K 5% 1/4W F
R461	1-249-417-11	CARBON	1K 5% 1/4W F	△ R634	1-249-389-11	CARBON	4.7 5% 1/4W F
R462	1-249-417-11	CARBON	1K 5% 1/4W F	R638	1-247-881-00	CARBON	120K 5% 1/4W
R463	1-249-437-11	CARBON	47K 5% 1/4W	R640	1-247-866-11	CARBON	30K 5% 1/4W
R464	1-249-437-11	CARBON	47K 5% 1/4W	R651	1-249-417-11	CARBON	1K 5% 1/4W F
R469	1-249-417-11	CARBON	1K 5% 1/4W F	R652	1-249-439-11	CARBON	68K 5% 1/4W
R470	1-249-437-11	CARBON	47K 5% 1/4W	R653	1-249-418-11	CARBON	1.2K 5% 1/4W F
R471	1-249-417-11	CARBON	1K 5% 1/4W F	R654	1-249-439-11	CARBON	68K 5% 1/4W
R472	1-249-417-11	CARBON	1K 5% 1/4W F	R655	1-249-433-11	CARBON	22K 5% 1/4W
R473	1-249-421-11	CARBON	2.2K 5% 1/4W F	R656	1-249-433-11	CARBON	22K 5% 1/4W
R474	1-249-429-11	CARBON	10K 5% 1/4W	R657	1-249-431-11	CARBON	15K 5% 1/4W
R475	1-249-421-11	CARBON	2.2K 5% 1/4W F	R660	1-249-421-11	CARBON	2.2K 5% 1/4W F
R499	1-249-437-11	CARBON	47K 5% 1/4W	R661	1-249-440-11	CARBON	82K 5% 1/4W
R501	1-249-417-11	CARBON	1K 5% 1/4W F	R663	1-249-414-11	CARBON	560 5% 1/4W F
R502	1-249-439-11	CARBON	68K 5% 1/4W	△ R664	1-249-408-11	CARBON	180 5% 1/4W F
R503	1-249-418-11	CARBON	1.2K 5% 1/4W F	△ R665	1-249-408-11	CARBON	180 5% 1/4W F
R504	1-249-411-11	CARBON	330 5% 1/4W	△ R666	1-234-182-11	ENCAPSULATED COMPONENT	
R505	1-249-439-11	CARBON	68K 5% 1/4W	△ R667	1-249-393-11	CARBON	10 5% 1/4W F
R510	1-249-421-11	CARBON	2.2K 5% 1/4W F	△ R668	1-249-389-11	CARBON	4.7 5% 1/4W F
R511	1-249-440-11	CARBON	82K 5% 1/4W	R669	1-249-425-11	CARBON	4.7K 5% 1/4W F
R513	1-249-414-11	CARBON	560 5% 1/4W F	R671	1-247-850-11	CARBON	6.2K 5% 1/4W
△ R514	1-249-408-11	CARBON	180 5% 1/4W F	R672	1-249-419-11	CARBON	1.5K 5% 1/4W F
△ R515	1-249-408-11	CARBON	180 5% 1/4W F	R673	1-249-437-11	CARBON	47K 5% 1/4W
△ R516	1-234-182-11	ENCAPSULATED COMPONENT		R674	1-249-431-11	CARBON	15K 5% 1/4W
△ R517	1-249-393-11	CARBON	10 5% 1/4W F	R675	1-249-433-11	CARBON	22K 5% 1/4W
R520	1-249-425-11	CARBON	4.7K 5% 1/4W F	R676	1-249-433-11	CARBON	22K 5% 1/4W
R521	1-249-417-11	CARBON	1K 5% 1/4W F	R677	1-249-431-11	CARBON	15K 5% 1/4W
R522	1-249-419-11	CARBON	1.5K 5% 1/4W F	R680	1-247-866-11	CARBON	30K 5% 1/4W
R524	1-249-431-11	CARBON	15K 5% 1/4W	R691	1-215-888-00	METAL OXIDE	220 5% 2W
R525	1-247-881-00	CARBON	120K 5% 1/4W	R692	1-215-888-00	METAL OXIDE	220 5% 2W
△ R528	1-249-389-11	CARBON	4.7 5% 1/4W F	R693	1-249-429-11	CARBON	10K 5% 1/4W
R531	1-249-425-11	CARBON	4.7K 5% 1/4W F	R694	1-249-429-11	CARBON	10K 5% 1/4W
R532	1-249-425-11	CARBON	4.7K 5% 1/4W F	R695	1-249-434-11	CARBON	27K 5% 1/4W

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

STBY

S-VIDEO

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
A-4475-803-A		STBY BOARD, COMPLETE (US,CND) *****				< JACK >	
A-4475-887-A		STBY BOARD, COMPLETE (AEP,UK,MY,SP) *****		△ J911	1-785-834-11	OUTLET (1P)(AC OUTLET)(EXCEPT KR,AUS)	
A-4475-947-A		STBY BOARD, COMPLETE (AUS) *****		△ J911	1-251-417-11	OUTLET, A.C. (AC OUTLET) (AUS)	
A-4475-946-A		STBY BOARD, COMPLETE (CH) *****				< TRANSISTOR >	
A-4475-881-A		STBY BOARD, COMPLETE (E) *****		Q901	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
A-4476-951-A		STBY BOARD, COMPLETE (MX) *****				< RESISTOR >	
A-4476-954-A		STBY BOARD, COMPLETE (AR) *****		△ R810	1-240-877-11	FUSIBLE	0.15 5% 1/2W
A-4476-944-A		STBY BOARD, COMPLETE (KR) *****		△ R811	1-240-877-11	FUSIBLE	0.15 5% 1/2W
A-4475-942-A		STBY BOARD, COMPLETE (TW) *****		△ R812	1-240-877-11	FUSIBLE	0.15 5% 1/2W
		< CAPACITOR >		△ R901	1-202-725-00	SOLID	3.3M 10% 1/2W (US,CND)
C813	1-164-159-11	CERAMIC	0.1uF 50V	R902	1-249-437-11	CARBON	47K 5% 1/4W
C814	1-164-159-11	CERAMIC	0.1uF 50V	R903	1-249-425-11	CARBON	4.7K 5% 1/4W F
C815	1-126-943-11	ELECT	2200uF 20.00% 25V	△ R904	1-249-381-11	CARBON	1 5% 1/4W F
C816	1-126-941-11	ELECT	470uF 20.00% 25V			< RELAY >	
C898	1-126-949-11	ELECT	220uF 20.00% 35V	△ RY901	1-755-298-11	RELAY	
C899	1-126-948-11	ELECT	100uF 20.00% 35V (EXCEPT TW)			< TRANSFORMER >	
C920	1-164-159-11	CERAMIC	0.1uF 50V	△ T902	1-435-436-11	TRANSFORMER, POWER (US,CND,MX)	
C921	1-164-159-11	CERAMIC	0.1uF 50V	△ T902	1-435-435-11	TRANSFORMER, POWER (AEP,UK,MY,SP,KR,AR,CH,AUS)	
C950	1-126-936-11	ELECT	3300uF 20.00% 16V	△ T902	1-435-563-11	TRANSFORMER, POWER (TW)	
		< CONNECTOR >		△ T902	1-435-283-11	TRANSFORMER, POWER (E)	
CNP901	1-564-321-00	PIN, CONNECTOR 2P				*****	
* CNP902	1-565-792-11	PIN, CONNECTOR 2P			1-680-538-11	S-VIDEO BOARD *****	
CNP903	1-564-506-11	PLUG, CONNECTOR 3P				< CAPACITOR >	
CNP905	1-766-203-11	PLUG,CONNECTOR PIN(PC BOARD)5P		C1801	1-163-038-11	CERAMIC CHIP	0.1uF 25V (US,CND,MX)
CNP912	1-784-921-11	PIN, CONNECTOR 4P		C1802	1-163-038-11	CERAMIC CHIP	0.1uF 25V
		< DIODE >		C1803	1-163-038-11	CERAMIC CHIP	0.1uF 25V
D820	8-719-024-99	DIODE 11ES2-NTA2B		C1804	1-126-964-11	ELECT	10uF 20.00% 50V
D821	8-719-024-99	DIODE 11ES2-NTA2B		C1805	1-126-964-11	ELECT	10uF 20.00% 50V
D822	8-719-024-99	DIODE 11ES2-NTA2B		C1806	1-163-038-11	CERAMIC CHIP	0.1uF 25V
D823	8-719-024-99	DIODE 11ES2-NTA2B		C1807	1-163-038-11	CERAMIC CHIP	0.1uF 25V
D898	8-719-024-99	DIODE 11ES2-NTA2B		C1808	1-126-960-11	ELECT	1uF 20.00% 50V
D899	8-719-024-99	DIODE 11ES2-NTA2B		C1809	1-163-038-11	CERAMIC CHIP	0.1uF 25V
D901	8-719-911-19	DIODE 1SS133T-72		C1810	1-126-960-11	ELECT	1uF 20.00% 50V
D910	8-719-024-99	DIODE 11ES2-NTA2B		C1811	1-163-038-11	CERAMIC CHIP	0.1uF 25V
D911	8-719-024-99	DIODE 11ES2-NTA2B		C1812	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
D912	8-719-024-99	DIODE 11ES2-NTA2B		C1813	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
D913	8-719-024-99	DIODE 11ES2-NTA2B		C1814	1-126-960-11	ELECT	1uF 20.00% 50V
D914	8-719-911-19	DIODE 1SS133T-72		C1815	1-163-038-11	CERAMIC CHIP	0.1uF 25V (US,CND,MX)
D915	8-719-911-19	DIODE 1SS133T-72		C1816	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
		< FUSE >		C1817	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
△ F901	1-576-193-11	FUSE (6.3A/125V) (US,CND,TW,MX)		C1818	1-162-971-11	CERAMIC CHIP	0.001uF 10.00% 50V
△ F901	1-533-464-11	FUSE, TIME-LUG (T2.5AL/250V) (EXCEPT US,CND,TW,MX)		C1819	1-162-971-11	CERAMIC CHIP	0.001uF 10.00% 50V
△ F902	1-532-464-31	FUSE, TIME-LUG (T2.5AL/250V) (AEP,UK,MY,SP,AR,AUS)				< CONNECTOR >	
		< EARTH >		CNS59	1-568-442-11	SOCKET, CONNECTOR 9P	
* G901	1-537-738-21	TERMINAL, EARTH (US,CND)					

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.

以阴影和 △ 标志来识别的零部件, 在安全方面具有关键性。因此只能以规定号码的零部件来更换。

S-VIDEO **VIDEO**

Ref. No.	Part No.	Description	Remarks
< DIODE >			
D1801	8-719-070-30	DIODE PTZ-TE25-5.6A	
D1802	8-719-016-74	DIODE 1SS352-TPH3	
D1803	8-719-016-74	DIODE 1SS352-TPH3	
< IC >			
IC1801	8-759-333-84	IC NJM2279D	
IC1802	8-759-333-84	IC NJM2279D	
< JACK >			
J1801	1-563-330-11	JACK (CTRL A1 II)(US,CND,MX)	
J1802	1-764-676-11	CONNECTOR (ROUND TYPE) (TV/SAT IN,DVD/LD IN)	
J1803	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO1 IN,VIDEO1 OUT)	
J1804	1-537-943-11	TERMINAL, S (MONITOR OUT)	
< JUMPER RESISTOR >			
JR1804	1-216-295-11	SHORT	0
JR1805	1-216-295-11	SHORT	0
JR1806	1-216-295-11	SHORT	0
JR1807	1-216-295-11	SHORT	0
JR1808	1-216-295-11	SHORT	0
JR1810	1-216-295-11	SHORT	0
< RESISTOR >			
R1801	1-216-022-00	METAL CHIP	75 5% 1/10W
R1802	1-216-022-00	METAL CHIP	75 5% 1/10W
R1803	1-216-022-00	METAL CHIP	75 5% 1/10W
R1804	1-216-022-00	METAL CHIP	75 5% 1/10W
R1805	1-216-022-00	METAL CHIP	75 5% 1/10W
R1806	1-216-022-00	METAL CHIP	75 5% 1/10W
R1807	1-216-022-00	METAL CHIP	75 5% 1/10W
R1808	1-216-022-00	METAL CHIP	75 5% 1/10W
R1809	1-216-022-00	METAL CHIP	75 5% 1/10W
R1810	1-216-022-00	METAL CHIP	75 5% 1/10W

	1-680-533-11	VIDEO BOARD	*****
< CAPACITOR >			
C200	1-128-805-11	CERAMIC	47PF 5% 50V
C201	1-128-805-11	CERAMIC	47PF 5% 50V
C206	1-126-960-11	ELECT	1uF 20.00% 50V
C207	1-126-960-11	ELECT	1uF 20.00% 50V
C208	1-126-960-11	ELECT	1uF 20.00% 50V
C209	1-126-960-11	ELECT	1uF 20.00% 50V
C210	1-126-964-11	ELECT	10uF 20.00% 50V
C213	1-126-964-11	ELECT	10uF 20.00% 50V
C214	1-164-159-11	CERAMIC	0.1uF 50V
C215	1-164-159-11	CERAMIC	0.1uF 50V
C248	1-128-825-11	CERAMIC	2200PF 5% 50V
C249	1-128-825-11	CERAMIC	2200PF 5% 50V

Ref. No.	Part No.	Description	Remarks
< CONNECTOR >			
CNS150	1-568-439-11	SOCKET, CONNECTOR 7P	
CNS151	1-569-315-11	SOCKET, CONNECTOR 5P	
CNS152	1-568-442-11	SOCKET, CONNECTOR 9P	
< DIODE >			
D203	8-719-911-19	DIODE 1SS133T-72	
D204	8-719-911-19	DIODE 1SS133T-72	
< IC >			
IC103	8-759-529-20	IC NJM2296D	
< JACK >			
J201	1-770-337-11	JACK, PIN 3P (VIDEO2 IN,DVD/LD IN,TV/SAT,IN)	
J202	1-770-337-11	JACK, PIN 3P (MONITOR OUT,VIDEO1 IN, VIDEO1 OUT)	
< RESISTOR >			
R200	1-247-804-11	CARBON	75 5% 1/4W
R201	1-247-804-11	CARBON	75 5% 1/4W
R218	1-247-804-11	CARBON	75 5% 1/4W
R219	1-247-804-11	CARBON	75 5% 1/4W
R220	1-247-804-11	CARBON	75 5% 1/4W
R221	1-247-804-11	CARBON	75 5% 1/4W

MISCELLANEOUS			

7	1-773-250-11	WIRE (FLAT TYPE) (27 CORE)	
55	1-769-844-11	WIRE (FLAT TYPE) (5 CORE)	
57	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)	
59	1-693-539-11	TUNER (US,CND,E,TW,MX,AR)	
59	1-693-540-11	TUNER (AEP,UK,MY,SP,KR,AUS,CH)	
60	1-773-004-11	WIRE (FLAT TYPE) (15 CORE)	
61	1-769-905-11	WIRE (FLAT TYPE) (9 CORE)	
△68	1-696-847-11	CORD, POWER (AUS)	
△68	1-769-079-21	CORD, POWER (KR)	
△68	1-777-071-21	CORD, POWER (AEP,UK,E,MY,SP,TW,AR)	
△68	1-783-205-11	CORD, POWER (CH)	
△68	1-783-820-11	CORD, POWER (US,CND,MX)	
△T901	1-435-897-11	POWER TRANSFORMER (US)	
△T901	1-435-898-11	POWER TRANSFORMER (CND)	
△T901	1-435-899-11	POWER TRANSFORMER (TW)	
△T901	1-435-900-11	POWER TRANSFORMER (KR,AR)	
△T901	1-435-901-11	POWER TRANSFORMER (E)	
△T901	1-435-902-11	POWER TRANSFORMER (AUS)	
△T901	1-435-903-11	POWER TRANSFORMER (AEP,UK,MY,SP,CH)	
FL101	1-518-718-11	INDICATOR TUBE, FLUORESCENT	

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<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
		ACCESSORIES & PACKING MATERIALS *****	
	1-501-374-11	ANTENNA, LOOP (AM)	
	1-793-184-21	CONNECTOR (F TYPE ADAPTOR)	
	3-866-670-11	MANUAL,COMMONNESS INSTRUCTION (ENGLISH)(US,UK,AUS)	
	3-866-670-21	MANUAL,COMMONNESS INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH,DUTCH, PORTUGUESE, SWEDISH, ITALIAN, CHINESE) (CND,AEP,E,MY,SP,TW,MX,AR)	
	3-866-670-31	MANUAL,COMMONNESS INSTRUCTION (DANISH, FINNISH, SWEDISH)(AEP)	
	3-866-670-41	MANUAL,COMMONNESS INSTRUCTION (ENGLISH, ARABIC, CHINISE)(CH)	
	3-866-670-51	MANUAL,COMMONNESS INSTRUCTION (ENGLISH, POLISH, RUSSIAN)(AEP)	
	3-866-670-61	MANUAL,COMMONNESS INSTRUCTION (HANGARIAN, CZECH, TURDISH, GREEK)(AEP)	
	4-233-598-11	INSTRUCTION MANUAL (ENGLISH)(US,CND)	
	4-233-598-21	INSTRUCTION MANUAL (ENGLISH)(CND)	
	4-233-598-31	INSTRUCTION MANUAL (ENGLISH)(E,MY,SP,TW,AUS,CH)	
	4-233-598-41	INSTRUCTION MANUAL (FRENCH, SPANISH)(E,MY,SP)	
	4-233-598-51	INSTRUCTION MANUAL (CHINESE)(E,MY,SP,TW)	
	4-233-598-61	INSTRUCTION MANUAL (ENGLISH,CHINESE)(CH)	
	4-233-598-71	INSTRUCTION MANUAL (ENGLISH)(AEP,UK)	
	4-233-598-81	INSTRUCTION MANUAL (FRENCH, DUTCH, SWEDISH)(AEP)	
	4-233-598-91	INSTRUCTION MANUAL (GERMAN, SPANISH)(AEP)	
	4-233-599-11	INSTRUCTION MANUAL (ITALIAN, POLISH)(AEP)	
	4-233-599-21	INSTRUCTION MANUAL (KOREAN)(KR)	
	4-233-599-31	INSTRUCTION MANUAL (ENGLISH, SPANISH)(MX,AR)	
	1-476-552-11	COMMANDER, STANDARD (RM-U305) (EXCEPT US, CND)	
	1-476-606-11	REMOTE COMMANDER (RM-PP505)(US,CND)	
	4-228-696-01	COVER, BATTERY (FOR RM-U305)(EXCEPT US, CND)	
	4-983-536-11	COVER, BATTERY (FOR RM-PP505)(US,CND)	

