

STR-K402

SERVICE MANUAL

US Model

Ver 1.0 2001.04



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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 40 - 20,000 Hz; rated 80 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output

Amplifier section

POWER OUTPUT

Rated Power Output at Stereo mode
(8 ohms 40 Hz - 20 kHz, THD 0.09%)
80 W + 80 W

Reference Power Output
(8 ohms 1 kHz, THD 0.7%)
Front¹⁾: 80 W/ch
Center¹⁾: 80 W
Surround¹⁾: 80 W/ch

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

Frequency response

MULTI CH IN, CD,
MD/TAPE, DVD/LD,
TV/SAT, VIDEO:
20 Hz - 20 kHz
0/-0.5 dB (sound field,
and tone bypassed)

Inputs (Analog)

MULTI CH IN, CD,
MD/TAPE, DVD/LD,
TV/SAT, VIDEO:
Sensitivity: 250 mV
Impedance:
50 kilohms
S/N²⁾: 85 dB
(A, 250 mV³⁾)

2) INPUT SHORT

3) Weighted network, input level

Inputs (Digital)

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

Outputs

MD/TAPE (OUT):
VIDEO (AUDIO OUT):
Voltages: 250 mV,
Impedance:
10 kilohms
SUB WOOFER:
Voltage: 2 V
Impedance :
1 kilohms
PHONES:
Accepts low- and
high-impedance
headphones

TONE

±6 dB at 100 Hz
and 10 kHz

Sampling frequency

48 kHz (OPTICAL IN)
96 kHz (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

— Continued on next page —

FM STEREO FM-AM RECEIVER

STR-K402

AM tuner section

Tuning range	With 10-kHz tuning scale: 530 - 1710 kHz ⁴⁾ With 9-kHz tuning scale: 531 - 1710 kHz ⁴⁾
Antenna	Loop antenna
Intermediate frequency	450 kHz
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50mV / m)
Harmonic distortion	0.5% (50mV / m, 400 kHz)
Selectivity:	At 9 kHz: 35 dB At 10 kHz: 40 dB

4) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. Hold down the TUNING + button and press the button. 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.

Video section

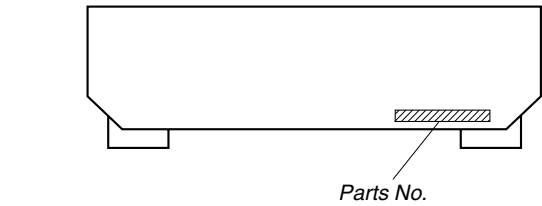
Inputs	Video: 1 Vp-p 75 ohms
Outputs	Video: 1 Vp-p 75 ohms
General	
System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complementary SEPP

Power requirements	120 V AC, 60 Hz
---------------------------	-----------------

Power consumption	185 W In Standby Condition: 1 W
Dimensions	430 × 145 × 298 mm (17 × 7 ⁷ / ₈ × 19 ⁵ / ₈ in.) including projecting parts and controls
Mass (Approx.)	7.2 kg (15 lb 14 oz)
Supplied accessories	• FM wire antenna (1) • AM loop antenna (1) • R6 (size-AA) batteries (2) • Remote Commander (remote) (1)

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION — BACK PANEL —



MODEL	PARTS No.
US	4-235-014-0□

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)

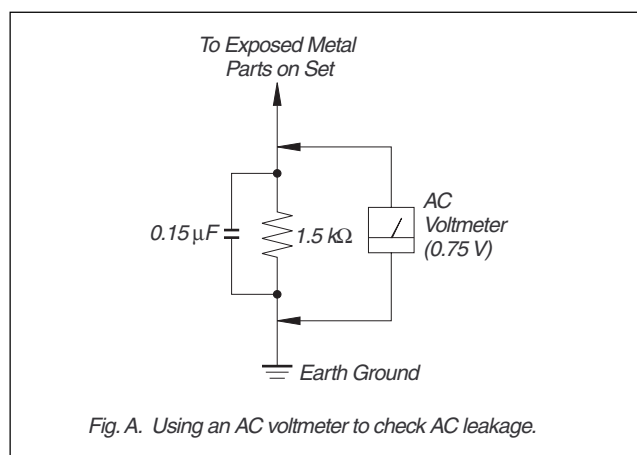


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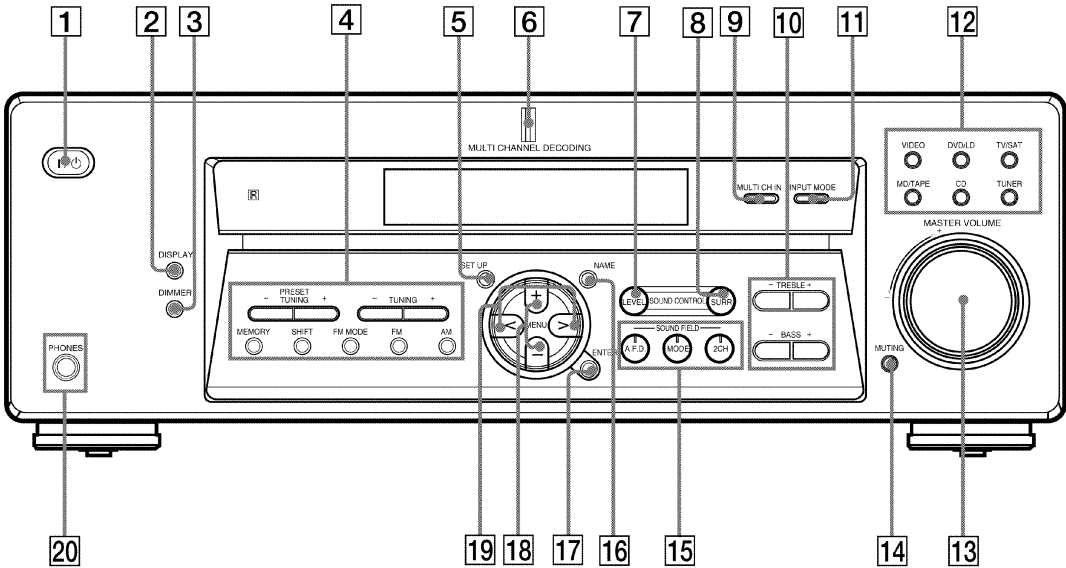
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SAFETY-RELATED COMPONENT WARNING!!

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.

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 39). 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 47).

4 The following buttons operate the built-in tuner. For details, see "Receiving Broadcasts" starting from page 34.

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
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 SET UP button/indicator
Press to activate the setup mode, then use the MENU </> buttons (19) to select any of the following indications. You can then make various settings using the MENU +/- buttons (18).

When you select	You can
Speaker type	Specify the type of speakers. (page 15)
Speaker setup	Specify the front, center, surround speaker sizes, the surround speaker position, and whether or not you are using a sub woofer. (page 15)
Speaker Distance	Specify the front, center, and surround speaker distances. (page 17)
Dimmer range	Specify the display to turn off when you press the DIMMER button several times. (page 47)
MULTI CH IN video input	Specify the video input to be used with the audio signals from the MULTI CH IN jacks. (page 47)

- 6 MULTI CHANNEL DECODING indicator**
This indicator lights up when the unit is decoding signals recorded in a Multi Channel format.

7 LEVEL button / indicator
Press to activate the speaker level parameters (page 31). The indicator on the button lights up and you can adjust the various speaker level parameters (front balance, surround balance, etc.).

8 SURR button / indicator
Press to activate the surround parameters (page 30). The indicator on the button lights up and you can adjust the various surround parameters (effect level, wall type, etc.).

9 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, sound field and surround parameters do not function.

10 Tone buttons
TREBLE +/- button
Press this button to adjust the tone (treble) (page 32).

BASS +/- button
Press this button to adjust the tone (bass) (page 32).

11 INPUT MODE button

Press to select the input mode for your digital components (DVD/LD and TV/SAT).
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 (TV/SAT only)
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) jack

Note

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

12 Function buttons

Press one of the buttons to select the component you want to use.

To select	Press
VCR	VIDEO
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

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.

13 MASTER VOLUME control

After turning on the component you selected, rotate to adjust the volume.

14 MUTING button

Press to mute the sound. MUTING appears on the display when the sound is muted.

15 SOUND FIELD

Use the SOUND FIELD buttons to enjoy surround sound. For details, see "Enjoying Surround Sound" starting from page 24.

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 25).

2CH button / indicator

Press to output sound from only the front (left and right) speakers.

16 NAME button / indicator

Press to activate the name function and enter names for preset stations and program sources (page 39).

17 ENTER button

Press to enter individual characters for the preset stations and program source names.

18 MENU +/- buttons

Turn to adjust the selected speaker level and surround parameters (etc.).

19 MENU </> buttons

Press to select various speaker level and surround parameters (etc.).

20 PHONES jack

Connects headphones.

- When you connect the headphones, no sound will come from the speakers.

SECTION 2

TEST MODE

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.

* Procedure:

While depressing the **TUNER** and the **VIDEO** buttons simultaneously, press the power **I/O** button to turn on the main power. The model name, destination and the software version are displayed.

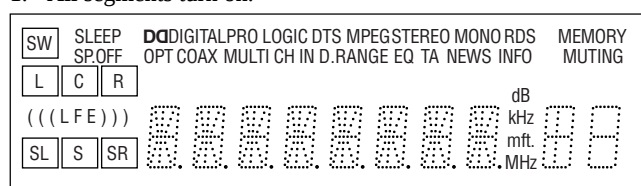
FLUORESCENT INDICATOR TUBE TEST MODE

* 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:

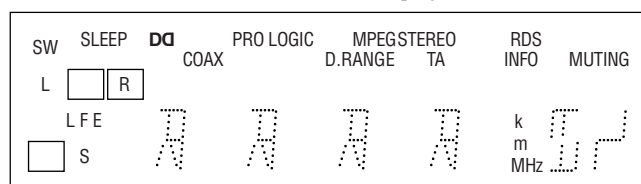
While depressing the **TV/SAT** and the **DVD/LD** buttons simultaneously, press the power **I/O** button to turn on the main power.

1. All segments turn on.



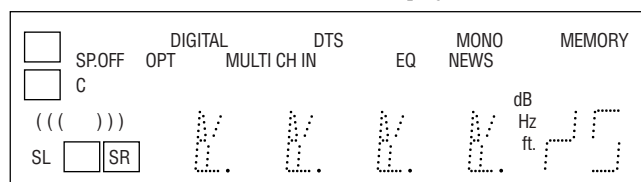
NAME, **SURR** and SOUND FIELD **MODE** LED turn on.

2. Press the **VIDEO** button, confirm display



Digital Cinema Sound, **SET UP** and **2CH** LED turn on.

3. Press the **VIDEO** button, confirm display



MULTI CHANNEL DECODING(blue), **LEVEL** and **A.F.D.** LED turn on.

4. Press the **VIDEO** button, All segments turn off.

5. Every pressing of the **VIDEO** button turns on each segment and LED one after another in the same order.

(Not only the **VIDEO** button, but also the other buttons such as **DVD/LD**, **TV/SAT**, **MD/TAPE**, **CD**, **TUNER** can be used.)

FACTORY SET MODE

* All preset contents are reset to the default setting.

* Procedure:

While depressing the **VIDEO** and the **CD** 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** and the **CD** buttons simultaneously, press the power **I/O** button again. The message FACTORY appears and the present contents are reset to the default values.

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 S. F. CLR appears and initialization is performed.

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.

KEY CHECK MODE

* Button check

* Procedure:

While depressing the **SURR** and the **A.F.D.** buttons simultaneously, press the power **I/O** button to turn on the main power. "REST 36" 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 30", "VOL MAX" appear.

SECTION 3 DIAGRAMS

**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: $\mu\mu\text{F}$
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.

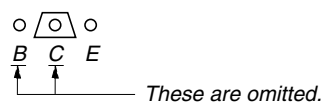
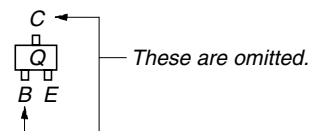
The components identified by mark Δ or dotted
line with mark Δ are critical for safety.
Replace only with part number specified.

-  : 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 a oscilloscope.
- Circled numbers refer to waveforms.
- **Signal path.**
-  : FM
-  : CD

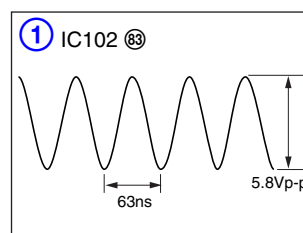
For printed wiring boards.

Note:

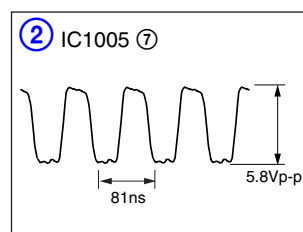
-  : parts extracted from the component side.
-  : Through hole.
-  : internal component.
-  : Pattern from the side which enables seeing.



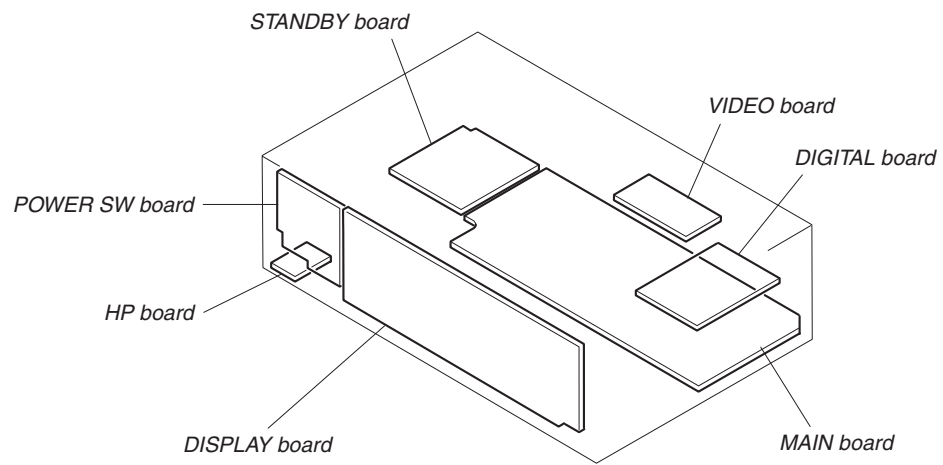
• Waveform – DISPLAY BOARD –



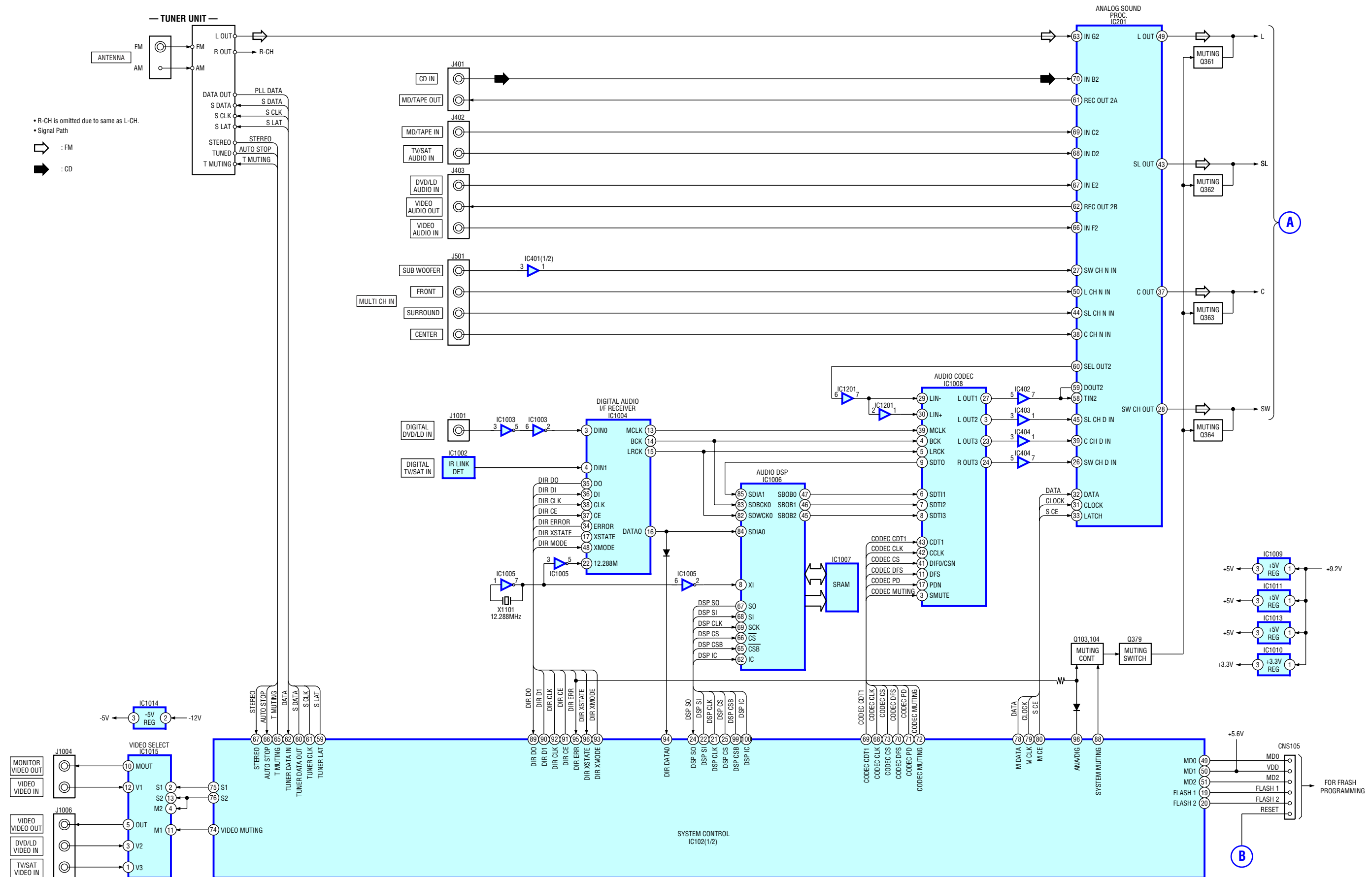
– DIGITAL BOARD –



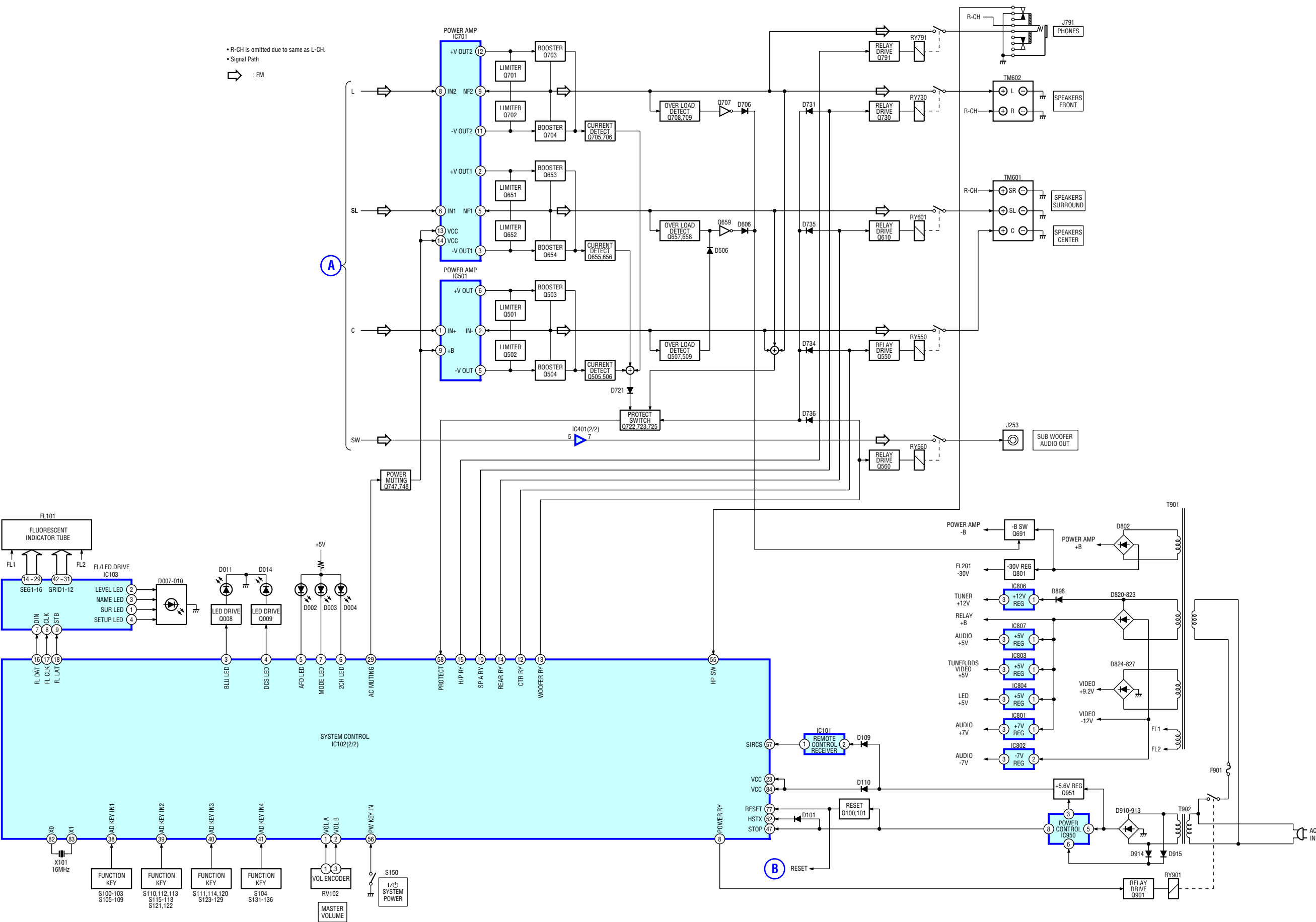
3-1. CIRCUIT BOARDS LOCATION



3-2. BLOCK DIAGRAM – MAIN SECTION –



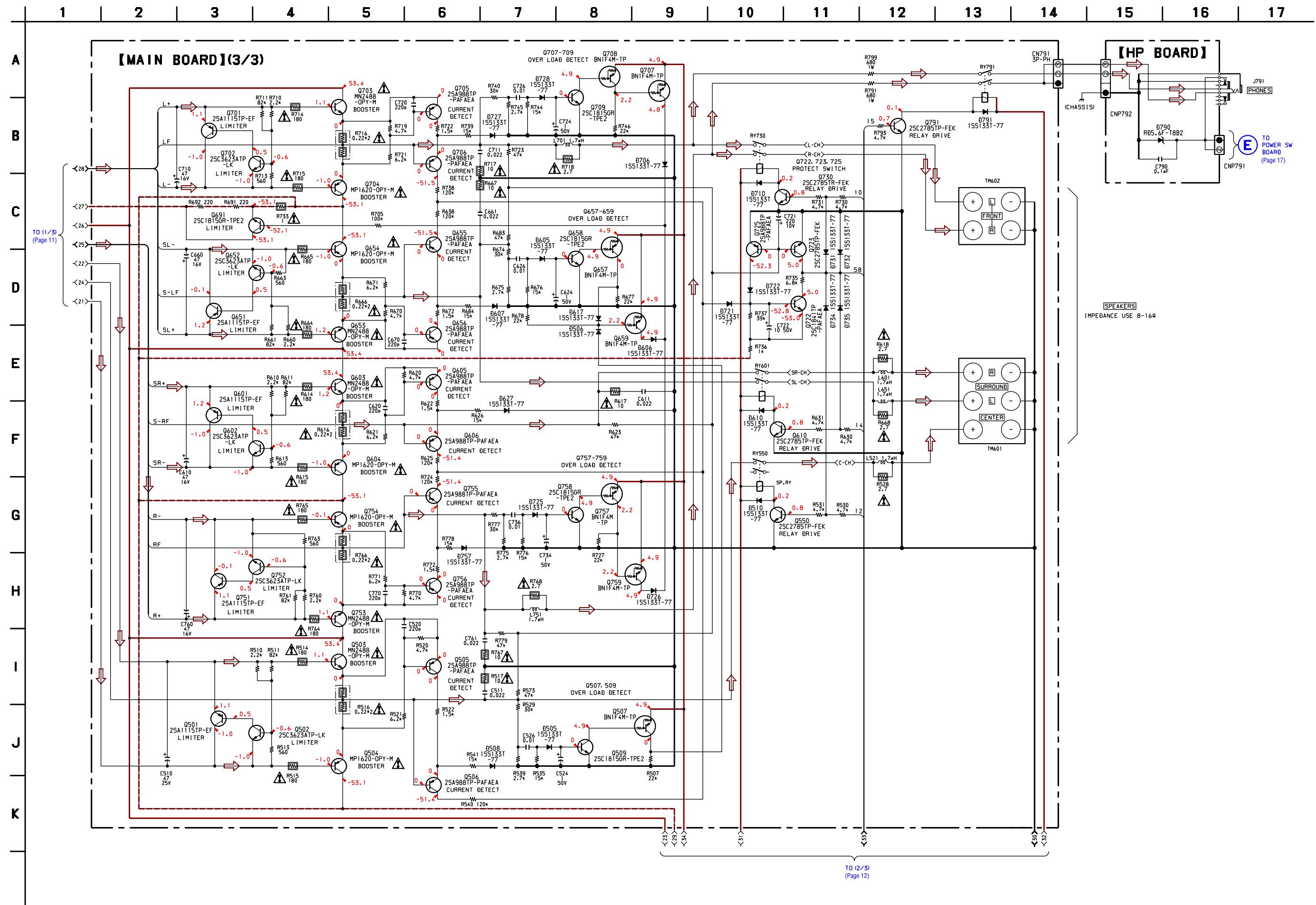
3-3. BLOCK DIAGRAM – DISPLAY SECTION –



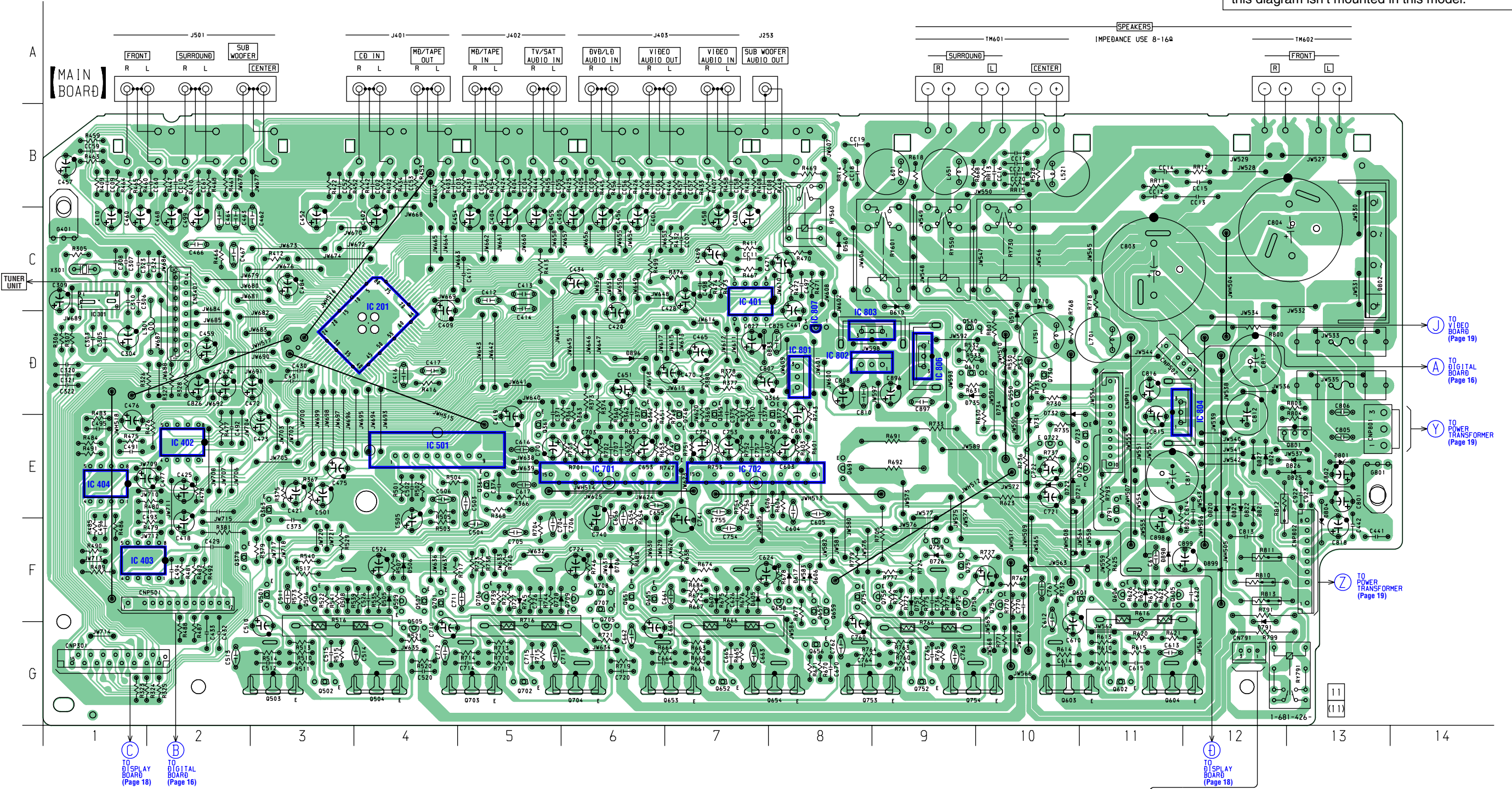




3-6. SCHEMATIC DIAGRAM – MAIN SECTION (3/3) –

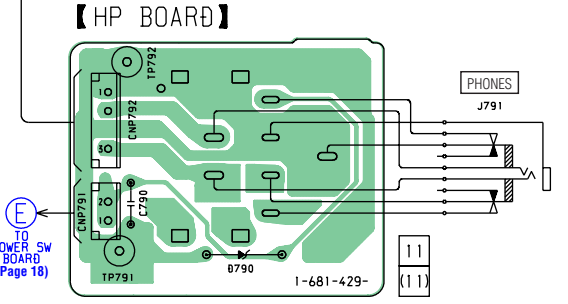


There are a few cases that the part printed on this diagram isn't mounted in this model.



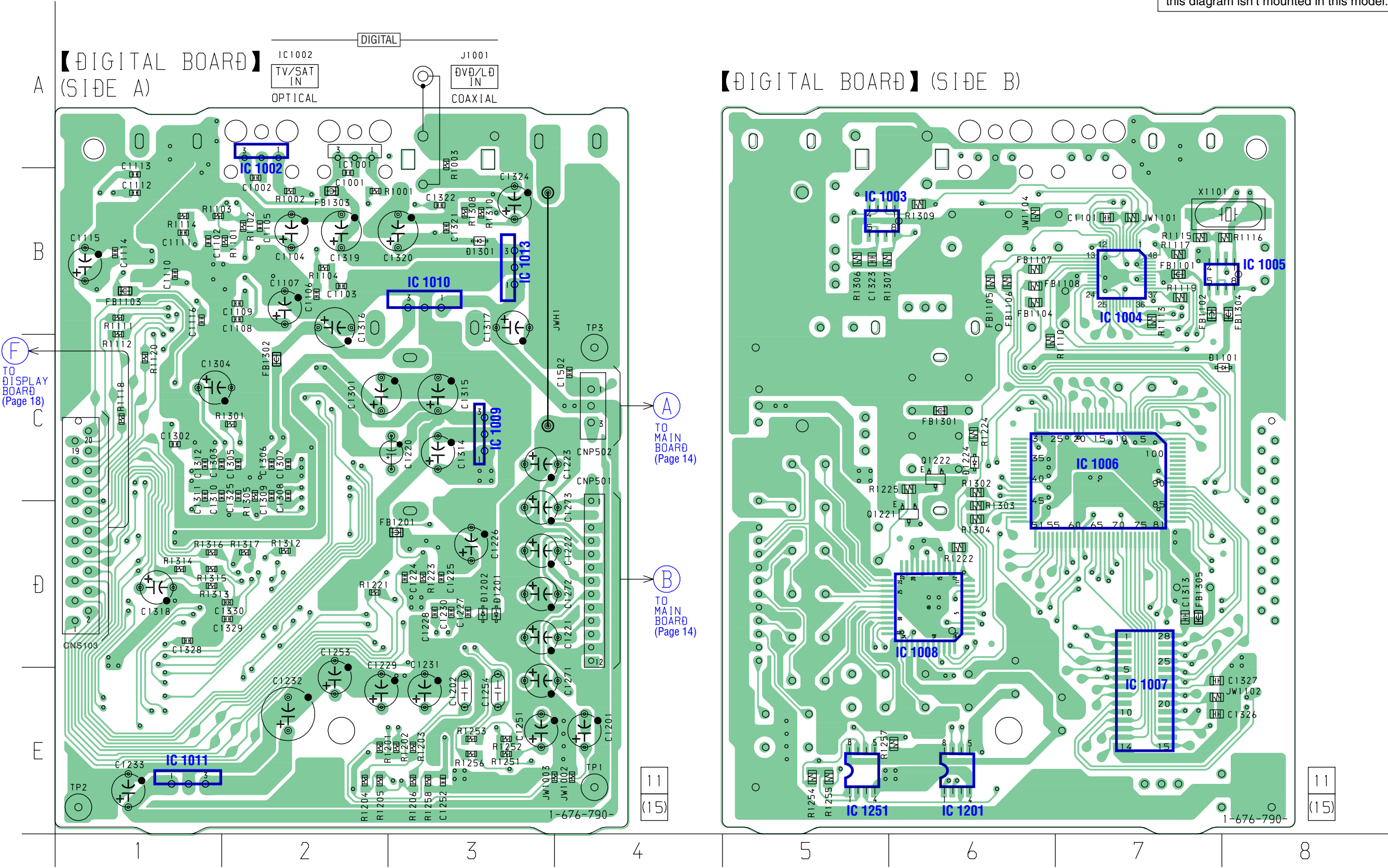
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	F-4	D726	F-9	D824	E-12	IC702	E-7	Q502	G-3	Q651	F-6	Q707	F-6	Q758	F-9
D506	F-4	D727	F-9	D825	E-13	IC801	D-8	Q503	G-3	Q652	G-7	Q708	F-6	Q759	F-9
D508	F-3	D728	F-5	D826	E-13	IC802	D-8	Q504	G-4	Q653	G-7	Q709	F-6	Q791	E-11
D510	D-10	D731	D-10	D827	E-12	IC803	D-8	Q505	G-4	Q654	G-8	Q722	E-10	Q801	E-13
D560	C-8	D732	D-10	D833	D-7	IC804	D-11	Q506	F-3	Q655	F-6	Q723	E-11		
D605	F-7	D734	D-10	D896	D-6	IC806	D-9	Q507	F-4	Q656	G-8	Q725	E-11		
D606	F-8	D735	D-9	D898	F-11	IC807	D-8	Q509	F-4	Q657	F-8	Q730	D-10		
D607	F-7	D757	F-9	D899	F-12			Q550	D-10	Q658	F-8	Q747	E-7		
D610	C-9	D791	F-12			Q361	E-5	Q560	D-9	Q659	F-8	Q748	E-7		
D617	F-8	D801	E-13	IC201	D-4	Q362	E-6	Q601	F-10	Q691	E-8	Q751	F-8		
D627	F-11	D802	C-13	IC401	C-7	Q363	E-3	Q602	G-11	Q701	F-4	Q752	G-9		
D706	F-6	D804	F-13	IC402	E-2	Q364	E-5	Q603	F-11	Q702	G-5	Q753	G-8		
D710	C-10	D820	E-12	IC403	F-1	Q365	E-7	Q604	G-11	Q703	G-5	Q754	G-9		
D721	E-10	D821	E-12	IC404	E-1	Q366	E-8	Q605	F-11	Q704	G-6	Q755	F-9		
D722	E-10	D822	E-12	IC501	E-4	Q379	F-2	Q606	F-11	Q705	G-6	Q756	F-10		
D725	F-9	D823	E-12	IC701	E-6	Q501	F-3	Q610	D-9	Q706	F-5	Q757	F-9		





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

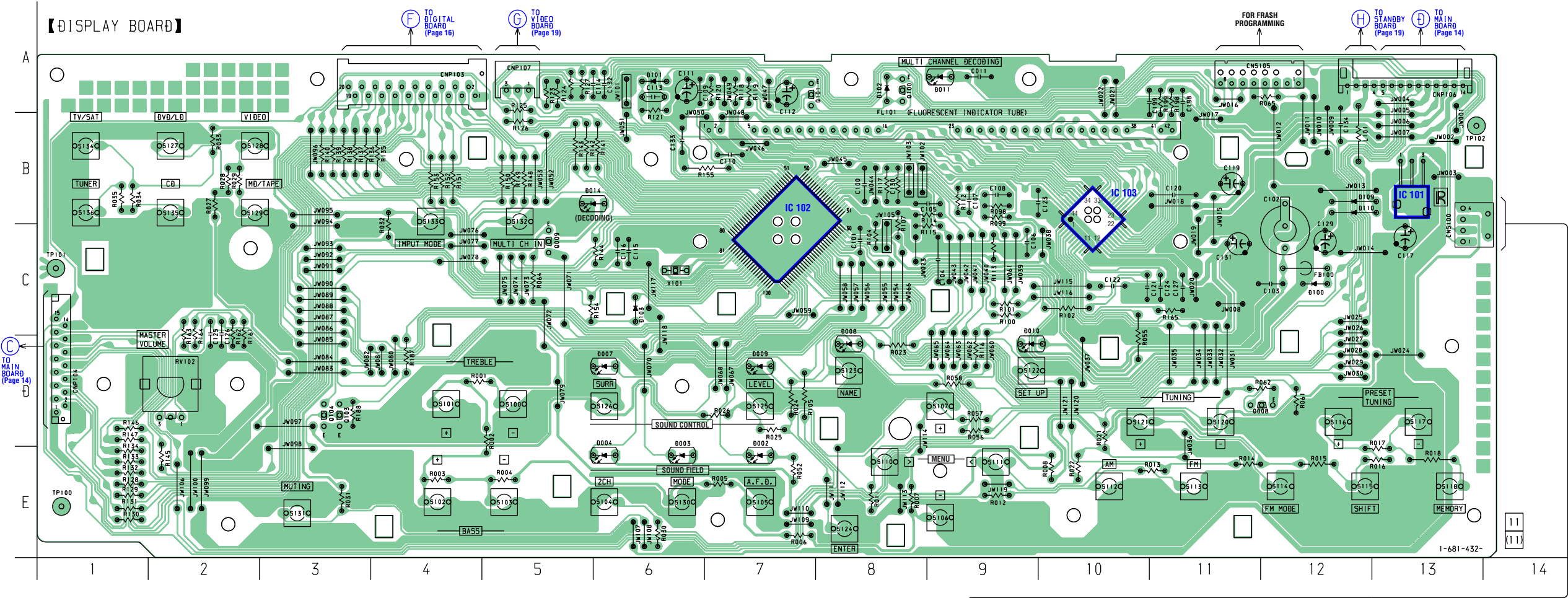


• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1101	C-7	IC1006	C-7
D1201	D-3	IC1007	E-7
D1202	D-3	IC1008	D-6
D1301	B-3	IC1009	C-3
		IC1010	B-3
IC1002	A-2	IC1011	E-1
IC1003	B-5	IC1013	B-3
IC1004	B-7	IC1201	E-6
IC1005	B-8	IC1251	E-5

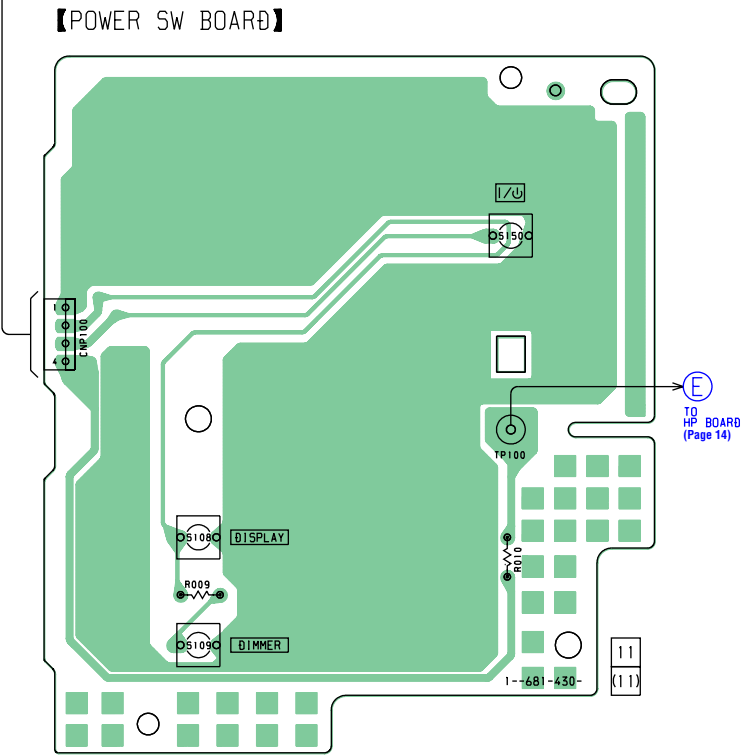


There are a few cases that the part printed on this diagram isn't mounted in this model.

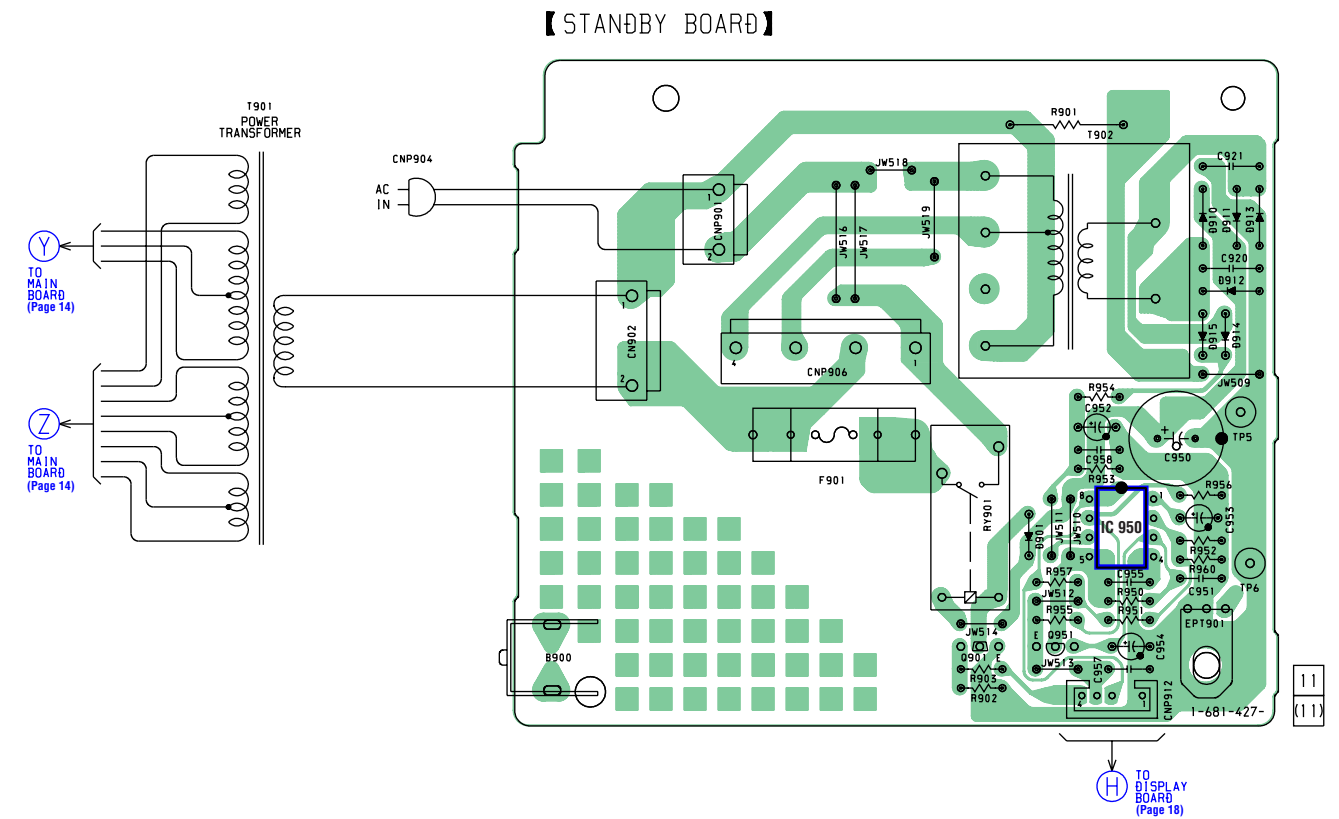


• Semiconductor Location

Ref. No.	Location
D002	E-7
D003	E-6
D004	E-6
D007	D-6
D008	C-8
D009	D-7
D010	D-9
D011	A-9
D014	B-5
D100	C-12
D101	A-6
D102	A-8
D103	C-6
D109	B-12
D110	B-12
IC101	B-13
IC102	B-7
IC103	B-10
Q008	D-12
Q009	C-5
Q100	A-8
Q101	A-7
Q103	D-3
Q104	D-3

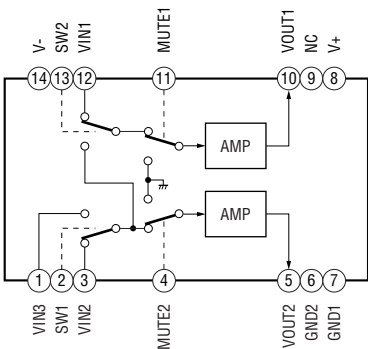


3-13. PRINTED WIRING BOARD – POWER SECTION – • See page 8 for Circuit Boards Location.

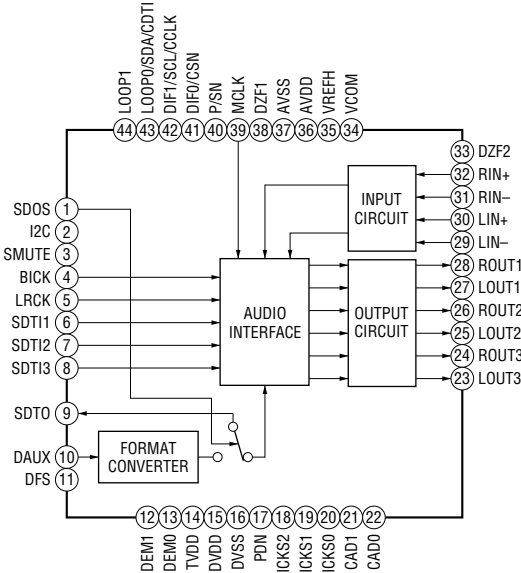


3-15. IC BLOCK DIAGRAMS

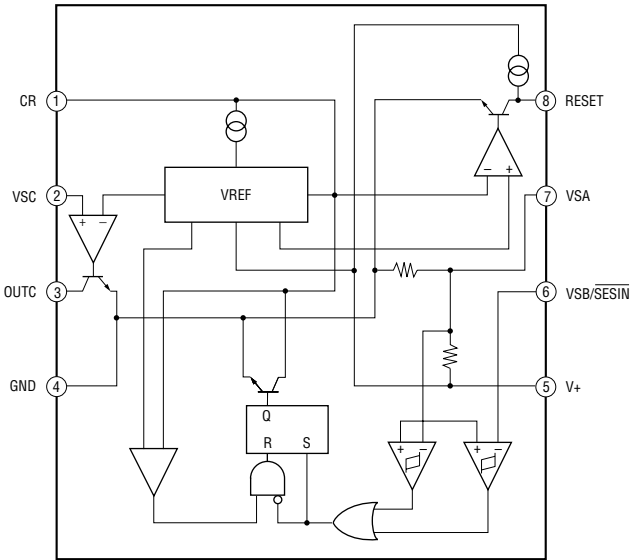
IC1015 NJM2279D (VIDEO BOARD)



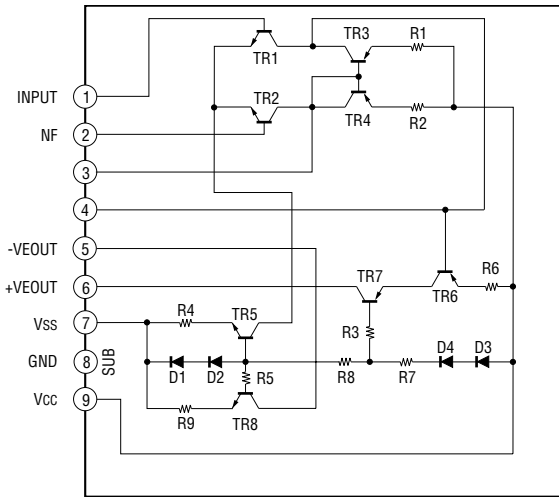
IC1008 AK4527 (DIGITAL BOARD)



IC950 NJM2103D (STANDBY BOARD)

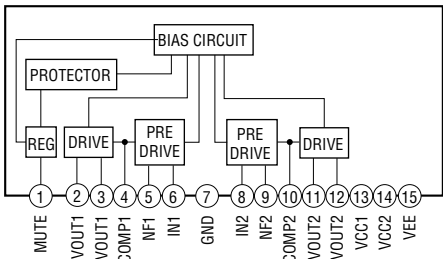


IC501 STK350-230 (MAIN BOARD)

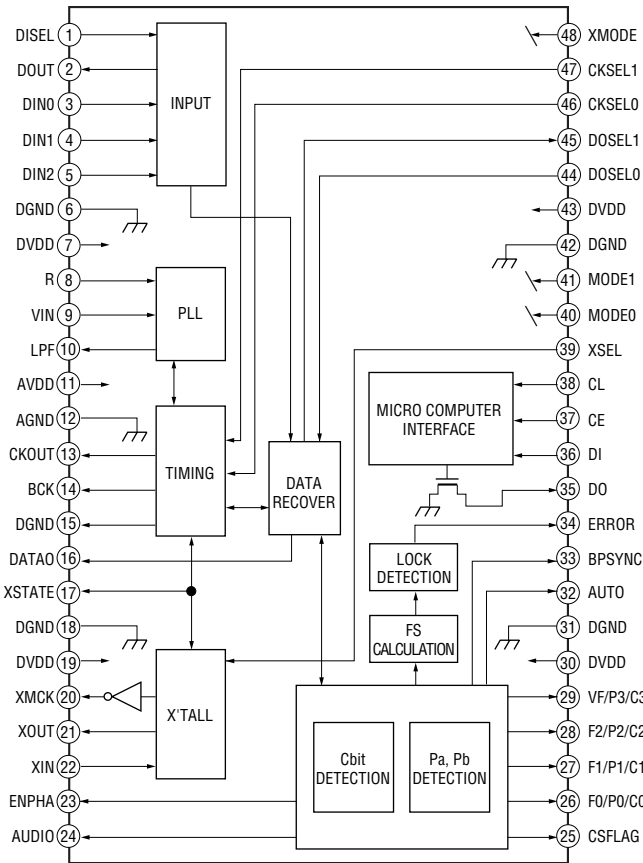


IC701 uPC2581V (MAIN BOARD)

IC702 uPC2581V (MAIN BOARD)



IC1004 LC89055W-RA8 (DIGITAL BOARD)



3-16. IC PIN FUNCTION DESCRIPTION**• IC102 MB90553ABPF-G-193-BND (SYSTEM CONTROL)**

Pin No.	Pin Name	I/O	Description
1	A	I	Read volume encoder A changing
2	B	I	Read volume encoder B changing
3	BLUE LED	O	Control Blue LED
4	DCS LED	O	Control DCS LED
5	AFD LED	O	Control AFD LED
6	2CH LED	O	Control 2CH LED
7	MOD LED	O	Control MODE LED
8	PW RY	O	Control power relay
9	P30	—	
10	SP_A RY	O	Control front speaker relay
11	VSS	—	Ground
12	CENTER RY	O	Control center speaker relay
13	WOOFER RY	O	Control woofer relay
14	REAR RY	O	Control rear speaker relay
15	H/P RY	O	Control headphone relay
16	FL DATA	O	Output data signal to FL tube driver
17	FL CLK	O	Output clock signal to FL tube driver
18	FL LAT	O	Output latch signal to FL tube driver
19	FLASH 1	I	Input FLASH 1 signal
20	FLASH 2	I	Input FLASH 2 signal
21	YSS912 CLK	O	Output clock signal to DSP
22	YSS912 SI	O	Output data signal to DSP
23	VCC	—	Power supply
24	YSS912 SO	I	Input data signal from DSP
25	YSS912 CS	O	Output chip select signal to DSP
26	HTIB	I	Input HTIB signal
27	C	—	Power stabilizing capacitor
28	P50	—	
29	AC MUTING	O	Control power to power amp
30	P52	—	
31	P53	—	
32	P54	—	
33	P55	—	
34	AVCC	—	Analog power supply
35	AVRH	—	
36	AVRL	—	
37	AVSS	—	Analog ground
38	AD KEY IN 1	I	Read key push signal
39	AD KEY IN 2	I	Read key push signal
40	AD KEY IN 3	I	Read key push signal
41	AD KEY IN 4	I	Read key push signal
42	VSS	—	Ground
43	VERSION	I	Read version setting
44	RDS SIGNAL	I	Detect RDS signal level
45	P66	—	
46	P67	—	
47	STOP	I	Input signal when AC off
48	RDS DT	I	Read RDS data
49	MD0	—	Selection of micom operation mode
50	MD1	—	Selection of micom operation mode

Pin No.	Pin Name	I/O	Description
51	MD2	—	Selection of micom operation mode
52	HSTX	—	Hardware standby signal
53	RDS CLK	I	Read RDS clock
54	P73	—	
55	HP SW	I	Detect headphone switch
56	PW KEY IN	I	Detect power switch key
57	SIRCS	I	Input data from remote control receiver
58	PROTECTOR	I	Detect protector status
59	TUNER LAT	O	Output latch signal to tuner
60	TUNER DATA OUT	O	Output data signal to tuner
61	TUNER CLK	O	Output clock signal to tuner
62	TUNER DATA IN	I	Input tuner freq. data
63	P84	—	
64	P85	—	
65	TUNER MUTING	O	Mute tuner during scanning
66	AUTO STOP	I	Tuner has tuned to a freq.
67	STEREO	I	Tuned freq. has stereo
68	CODEC CLK	O	Output clock signal to CODEC
69	CODEC CDT1	O	Output Control Data signal to CODEC
70	CODEC DFS	O	Output DFS mode signal to CODEC
71	CODEC PD	O	Output Power Down signal to CODEC
72	CODEC MUTING	O	Output Soft Muting signal to CODEC
73	CODEC CS	O	Output CS signal to CODEC
74	VIDEO MUTING	O	Control Video muting
75	S1	O	Control Video IC switching
76	S2	O	Control Video IC switching
77	RESET	I	Detect reset signal
78	M61501 DATA	O	Output data signal to sound processor
79	M.CLK	O	Output clock signal to sound processor
80	M.CE	O	Output chip enable signal to sound processor
81	VSS	—	Ground
82	X0	—	For micom clock
83	X1	—	
84	VCC	—	Power supply
85	P00	—	
86	P01	—	
87	P02	—	
88	SYSTEM MUTING	O	Control muting circuit
89	D.DO	I	Input data signal from DIR
90	DIR DI	O	Output data signal to DIR
91	DIR CE	O	Output CE signal to DIR
92	DIR CLK	O	Output clock signal to DIR
93	DIR XMODE	O	Output reset signal to DIR
94	DIR DATAO	I	Input audio data signal from DIR
95	D.ERR	I	Input PLL error muting from DIR
96	DIR XSTATE	I	Input XSTATE data from DIR
97	P14	—	
98	ANG/DIG	O	Control muting circuit
99	Y_CSB	O	Output CSB signal to DSP
100	Y_IC	O	Output IC signal to DSP

SECTION 4 EXPLODED VIEWS

NOTE:

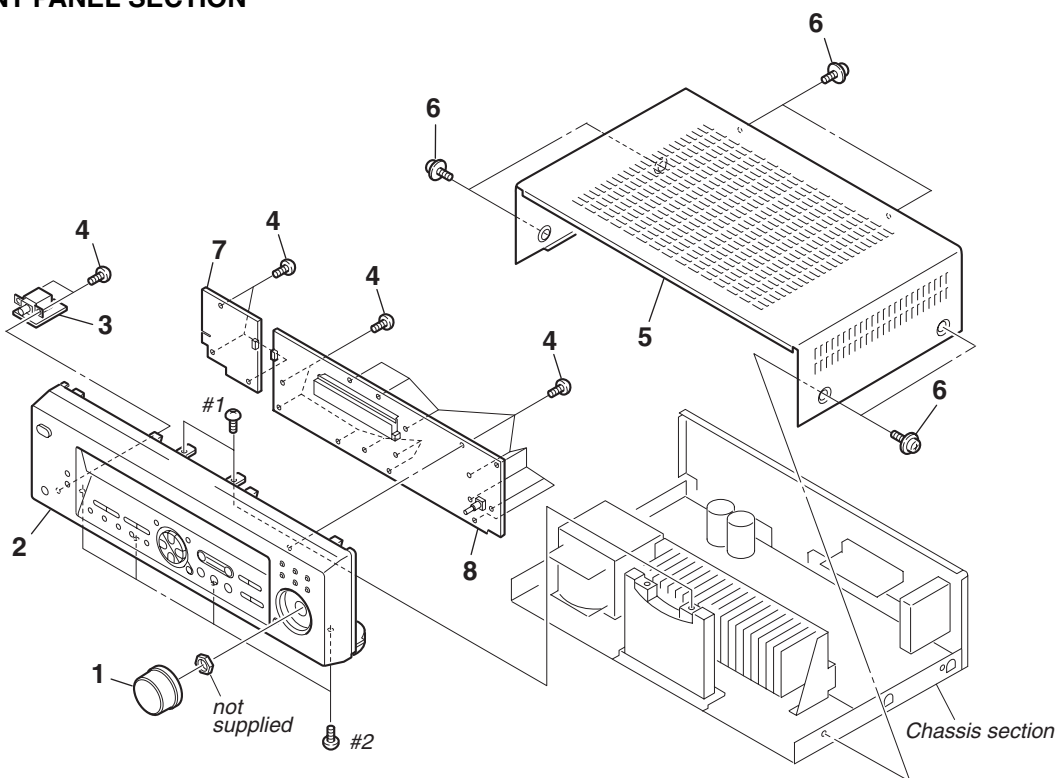
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) . . . (RED)

Parts of Color Cabinet's Color

- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories and packing materials are given in the last of this parts list.

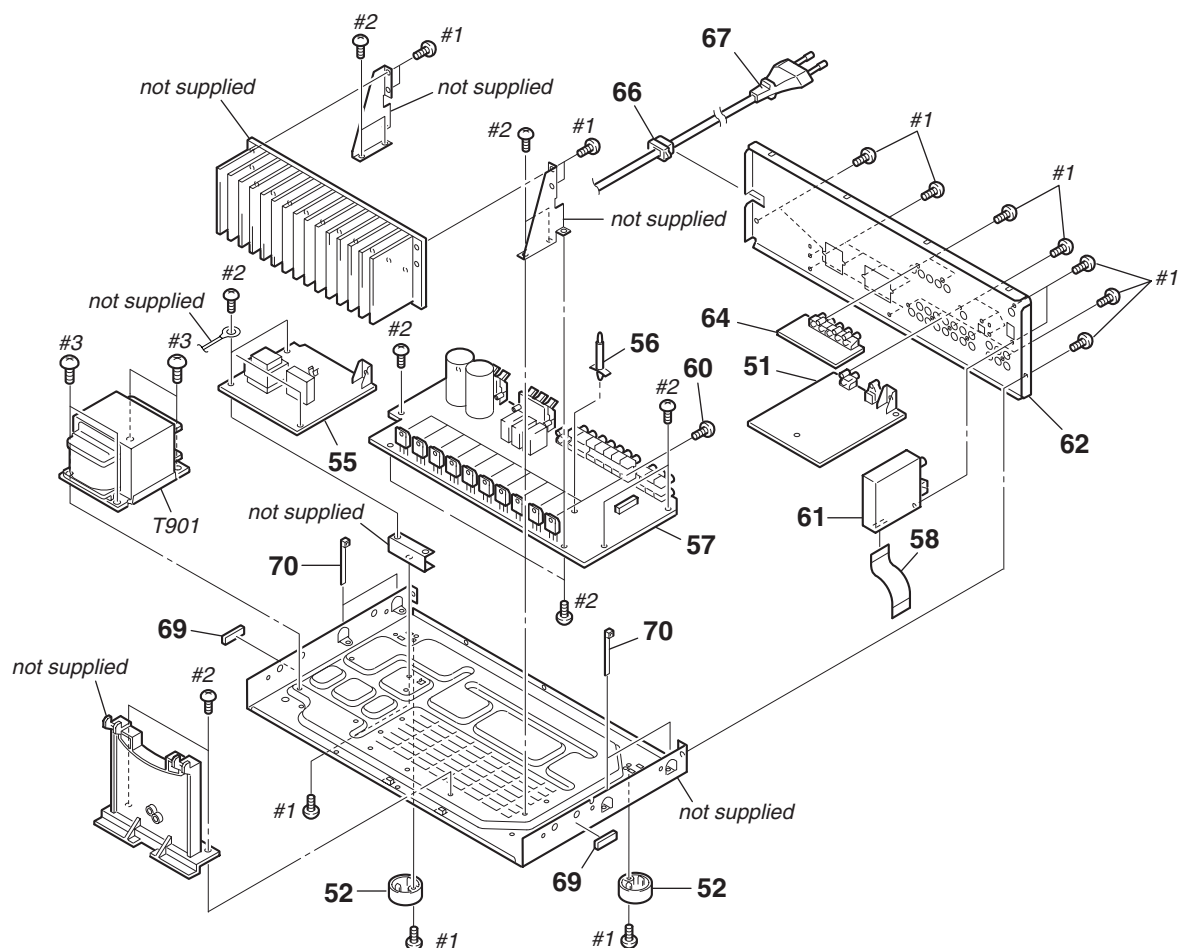
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	4-232-113-01	KNOB (VOL) (BLACK)		5	4-232-118-21	CASE (SILVER)	
1	4-232-113-11	KNOB (VOL) (SILVER)		6	4-210-291-01	SCREW (CASE 3 TP2) (FOR BLACK)	
2	X-4953-890-1	FRONT PANEL ASSY (BLACK)		6	4-210-291-11	SCREW (CASE 3 TP2) (FOR SILVER)	
2	X-4953-891-1	FRONT PANEL ASSY (SILVER)		7	1-681-430-11	POWER SW BOARD	
3	1-681-429-11	HP BOARD		8	A-2007-948-A	DISPLAY BOARD, COMPLETE	
4	4-951-620-01	SCREW (2.6X8), +BVTP		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
5	4-232-118-01	CASE (BLACK)		#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	A-2007-946-A	DIGITAL BOARD,COMPLETE		66	3-703-244-00	BUSHING (FBS001), CORD	
52	4-232-237-01	FOOT (DIA. 30)		△67	1-783-820-11	CORD, POWER	
55	A-2007-945-A	STANDBY BOARD,COMPLETE		69	4-921-941-01	CUSHION	
* 56	4-924-098-91	HOLDER, PC BOARD		70	3-701-748-00	CLAMP	
57	A-2007-941-A	MAIN BOARD,COMPLETE		△T901	1-435-313-11	TRANSFORMER, POWER	
58	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
60	3-905-609-01	SCREW (TRANSISTOR)		#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
61	1-693-407-21	TUNER UNIT		#3	7-685-880-09	SCREW +BVTT 4X6 (S)	
62	4-235-014-01	BACK PANEL					
64	1-681-428-11	VIDEO BOARD					

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

SECTION 5 ELECTRICAL PARTS LIST

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: μ F
- RESISTORS**
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- COILS**
uH: μ H

- SEMICONDUCTORS**
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...

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

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

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-2007-946-A	DIGITAL BOARD, COMPLETE *****		C1303	1-165-319-11	CERAMIC CHIP 0.1uF	50V
				C1304	1-104-664-11	ELECT 47uF	20.00% 25V
	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S		C1305	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
		< CAPACITOR >		C1306	1-165-319-11	CERAMIC CHIP 0.1uF	50V
				C1307	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1002	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C1308	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1101	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C1309	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1102	1-163-021-11	CERAMIC CHIP 0.01uF	10.00% 50V	C1310	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1103	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C1311	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1104	1-104-664-11	ELECT 47uF	20.00% 16V	C1312	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1105	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C1313	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1106	1-163-021-11	CERAMIC CHIP 0.01uF	10.00% 50V	C1314	1-126-960-11	ELECT 1uF	20.00% 50V
C1107	1-104-664-11	ELECT 47uF	20.00% 16V	C1315	1-126-935-11	ELECT 470uF	20.00% 6.3V
C1108	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C1316	1-126-935-11	ELECT 470uF	20.00% 6.3V
C1109	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C1317	1-126-960-11	ELECT 1uF	20.00% 50V
C1110	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C1318	1-104-665-11	ELECT 100uF	20.00% 10V
C1111	1-163-021-11	CERAMIC CHIP 0.01uF	10.00% 50V	C1319	1-104-665-11	ELECT 100uF	20.00% 10V
C1112	1-163-233-11	CERAMIC CHIP 18PF	5.00% 50V	C1320	1-126-935-11	ELECT 470uF	20.00% 6.3V
C1113	1-163-233-11	CERAMIC CHIP 18PF	5.00% 50V	C1321	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1114	1-165-319-11	CERAMIC CHIP 0.1uF	50V	C1322	1-163-243-11	CERAMIC CHIP 47PF	5.00% 50V
C1115	1-104-664-11	ELECT 47uF	20.00% 25V	C1323	1-163-217-11	CERAMIC CHIP 1PF	0.25PF 50V
C1116	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C1324	1-126-965-11	ELECT 22uF	20.00% 50V
C1201	1-126-965-11	ELECT 22uF	20.00% 50V	C1325	1-163-021-11	CERAMIC CHIP 0.01uF	10.00% 50V
C1202	1-106-347-00	MYLAR 1500PF	5% 200V	C1329	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C1221	1-126-965-11	ELECT 22uF	20.00% 50V	C1330	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C1222	1-126-965-11	ELECT 22uF	20.00% 50V			< CONNECTOR >	
C1223	1-126-965-11	ELECT 22uF	20.00% 50V	CNP501	1-784-927-11	PIN, CONNECTOR 12P	
C1224	1-165-319-11	CERAMIC CHIP 0.1uF	50V	* CNP502	1-564-506-11	PLUG, CONNECTOR 3P	
C1225	1-165-319-11	CERAMIC CHIP 0.1uF	50V	CNS103	1-794-006-11	CONNECTOR 20P	
C1226	1-126-964-11	ELECT 10uF	20.00% 50V			< DIODE >	
C1228	1-165-319-11	CERAMIC CHIP 0.1uF	50V	D1101	8-719-016-74	DIODE 1SS352-TPH3	
C1229	1-104-664-11	ELECT 47uF	20.00% 25V	D1201	8-719-016-74	DIODE 1SS352-TPH3	
C1230	1-165-319-11	CERAMIC CHIP 0.1uF	50V	D1202	8-719-016-74	DIODE 1SS352-TPH3	
C1231	1-126-964-11	ELECT 10uF	20.00% 50V	D1301	8-719-016-74	DIODE 1SS352-TPH3	
C1232	1-126-935-11	ELECT 470uF	20.00% 6.3V			< FERRITE BEAD >	
C1233	1-126-960-11	ELECT 1uF	20.00% 50V	FB1101	1-414-813-11	FERRITE 0UH	
C1251	1-126-965-11	ELECT 22uF	20.00% 50V	FB1102	1-469-152-11	FERRITE 0UH	
C1252	1-165-319-11	CERAMIC CHIP 0.1uF	50V	FB1103	1-469-152-11	FERRITE 0UH	
C1253	1-126-964-11	ELECT 10uF	20.00% 50V	FB1104	1-469-152-11	FERRITE 0UH	
C1254	1-106-347-00	MYLAR 1500PF	5% 200V	FB1105	1-469-152-11	FERRITE 0UH	
C1271	1-126-965-11	ELECT 22uF	20.00% 50V	FB1106	1-469-152-11	FERRITE 0UH	
C1272	1-126-965-11	ELECT 22uF	20.00% 50V	FB1107	1-469-152-11	FERRITE 0UH	
C1273	1-126-965-11	ELECT 22uF	20.00% 50V	FB1108	1-469-152-11	FERRITE 0UH	
C1301	1-126-935-11	ELECT 470uF	20.00% 6.3V	FB1201	1-414-813-11	FERRITE 0UH	
C1302	1-165-319-11	CERAMIC CHIP 0.1uF	50V	FB1301	1-414-813-11	FERRITE 0UH	

STR-K402

DIGITAL

DISPLAY

Ref. No.	Part No.	Description	Remarks
FB1302	1-414-813-11	FERRITE	OUH
FB1303	1-414-813-11	FERRITE	OUH
FB1304	1-414-813-11	FERRITE	OUH
FB1305	1-414-813-11	FERRITE	OUH
< IC >			
IC1002	8-749-923-05	TORX178B (DIGITAL TV/SAT IN OPTICAL)	
IC1003	8-759-242-70	IC TC7WU04F(TE12R)	
IC1004	8-759-639-35	IC LC89055W-RA8	
IC1005	8-759-242-70	IC TC7WU04F(TE12R)	
IC1006	8-759-643-42	IC CXD9511AQ	
IC1007	8-759-697-47	IC AS7C256-20JCTR	
IC1008	8-759-657-47	IC AK4527	
IC1009	8-759-039-69	IC uPC7805AHF	
IC1010	8-759-647-10	IC uPC2933HF	
IC1011	8-759-039-69	IC uPC7805AHF	
IC1013	8-759-039-69	IC uPC7805AHF	
IC1201	8-759-099-06	IC M5218AFP-TE1	
IC1251	8-759-099-06	IC M5218AFP-TE1	
< JACK >			
J1001	1-784-431-11	JACK, PIN 1P (DIGITAL DVD/LD IN COAXIAL)	
< JUMPER RESISTOR >			
JW1102	1-216-295-00	SHORT	0
JW1104	1-216-295-00	SHORT	0
< RESISTOR >			
R1002	1-216-025-11	RES-CHIP	100 5% 1/10W
R1003	1-216-022-00	METAL CHIP	75 5% 1/10W
R1101	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1102	1-216-066-00	METAL CHIP	5.1K 5% 1/10W
R1103	1-216-066-00	METAL CHIP	5.1K 5% 1/10W
R1104	1-216-022-00	METAL CHIP	75 5% 1/10W
R1110	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1111	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1112	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1113	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1114	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1115	1-216-043-91	RES-CHIP	560 5% 1/10W
R1116	1-216-121-11	RES-CHIP	1M 5% 1/10W
R1117	1-216-025-11	RES-CHIP	100 5% 1/10W
R1118	1-216-025-11	RES-CHIP	100 5% 1/10W
R1119	1-216-025-11	RES-CHIP	100 5% 1/10W
R1120	1-216-025-11	RES-CHIP	100 5% 1/10W
R1201	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1202	1-216-059-00	METAL CHIP	2.7K 5% 1/10W
R1203	1-216-037-00	METAL CHIP	330 5% 1/10W
R1204	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1205	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1206	1-216-037-00	METAL CHIP	330 5% 1/10W
R1221	1-216-025-11	RES-CHIP	100 5% 1/10W
R1222	1-216-073-91	RES-CHIP	10K 5% 1/10W
R1223	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1251	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1252	1-216-059-00	METAL CHIP	2.7K 5% 1/10W
R1253	1-216-037-00	METAL CHIP	330 5% 1/10W
R1254	1-216-073-00	RES-CHIP	10K 5% 1/10W

Ref. No.	Part No.	Description	Remarks
R1255	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1256	1-216-037-00	METAL CHIP	330 5% 1/10W
R1257	1-216-065-00	RES-CHIP	4.7K 5% 1/10W
R1258	1-216-065-00	RES-CHIP	4.7K 5% 1/10W
R1301	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1302	1-216-025-11	RES-CHIP	100 5% 1/10W
R1303	1-216-025-11	RES-CHIP	100 5% 1/10W
R1304	1-216-025-11	RES-CHIP	100 5% 1/10W
R1305	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1306	1-216-081-00	METAL CHIP	22K 5% 1/10W
R1307	1-216-115-00	METAL CHIP	560K 5% 1/10W
R1308	1-216-115-00	METAL CHIP	560K 5% 1/10W
R1309	1-216-025-11	RES-CHIP	100 5% 1/10W
R1310	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1312	1-216-025-11	RES-CHIP	100 5% 1/10W
R1313	1-216-025-11	RES-CHIP	100 5% 1/10W
R1314	1-216-025-11	RES-CHIP	100 5% 1/10W
R1315	1-216-025-11	RES-CHIP	100 5% 1/10W
R1316	1-216-025-11	RES-CHIP	100 5% 1/10W
R1317	1-216-025-11	RES-CHIP	100 5% 1/10W
< VIBRATOR >			
X1101	1-781-465-21	VIBRATOR, CRYSTAL 12.288MHZ	

	A-2007-948-A	DISPLAY BOARD, COMPLETE	

	3-386-245-21	HOLDER (FL)	
*	4-921-941-01	CUSHION (FL)	
< CAPACITOR >			
C011	1-164-159-11	CERAMIC	0.1uF 50V
C100	1-164-159-11	CERAMIC	0.1uF 50V
C101	1-164-159-11	CERAMIC	0.1uF 50V
C102	1-104-905-11	CAPACITOR	0.22F 5.5V
C103	1-164-159-11	CERAMIC	0.1uF 50V
C104	1-127-880-31	CERAMIC	0.022uF 10% 50V
C105	1-127-880-31	CERAMIC	0.022uF 10% 50V
C106	1-127-880-31	CERAMIC	0.022uF 10% 50V
C107	1-127-880-31	CERAMIC	0.022uF 10% 50V
C108	1-127-880-31	CERAMIC	0.022uF 10% 50V
C109	1-164-159-11	CERAMIC	0.1uF 50V
C110	1-164-159-11	CERAMIC	0.1uF 50V
C111	1-124-589-11	ELECT	47uF 20% 16V
C112	1-126-163-11	ELECT	4.7uF 20% 50V
C113	1-136-169-00	FILM	0.22uF 5.00% 50V
C114	1-164-159-11	CERAMIC	0.1uF 50V
C115	1-164-159-11	CERAMIC	0.1uF 50V
C116	1-164-159-11	CERAMIC	0.1uF 50V
C117	1-124-261-00	ELECT	10uF 20% 50V
C119	1-124-261-00	ELECT	10uF 20% 50V
C120	1-164-159-11	CERAMIC	0.1uF 50V
C121	1-128-809-11	CERAMIC	100PF 5% 50V
C122	1-128-809-11	CERAMIC	100PF 5% 50V
C123	1-164-159-11	CERAMIC	0.1uF 50V
C124	1-128-809-11	CERAMIC	100PF 5% 50V

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C125	1-162-306-11	CERAMIC	0.01uF 30.00% 16V	< RESISTOR >			
C126	1-162-306-11	CERAMIC	0.01uF 30.00% 16V	R001	1-249-411-11	CARBON	330 5% 1/4W
C127	1-164-159-11	CERAMIC	0.1uF 50V	R002	1-249-413-11	CARBON	470 5% 1/4W F
C129	1-124-261-00	ELECT	10uF 20% 50V	R003	1-249-415-11	CARBON	680 5% 1/4W F
C130	1-164-159-11	CERAMIC	0.1uF 50V	R004	1-249-417-11	CARBON	1K 5% 1/4W F
C131	1-124-261-00	ELECT	10uF 20% 50V	R005	1-249-419-11	CARBON	1.5K 5% 1/4W F
C132	1-164-159-11	CERAMIC	0.1uF 50V	R006	1-249-421-11	CARBON	2.2K 5% 1/4W F
C134	1-164-159-11	CERAMIC	0.1uF 50V	R007	1-247-843-11	CARBON	3.3K 5% 1/4W
C198	1-164-159-11	CERAMIC	0.1uF 50V	R008	1-249-425-11	CARBON	4.7K 5% 1/4W F
C199	1-164-159-11	CERAMIC	0.1uF 50V	R011	1-249-411-11	CARBON	330 5% 1/4W
< CONNECTOR >				R012	1-249-413-11	CARBON	470 5% 1/4W F
CNP103	1-794-001-11	CONNECTOR 20P		R013	1-249-415-11	CARBON	680 5% 1/4W F
CNP104	1-794-002-11	CONNECTOR 13P		R014	1-249-417-11	CARBON	1K 5% 1/4W F
* CNP106	1-564-730-11	PIN, CONNECTOR (SMALL TYPE)14P		R015	1-249-419-11	CARBON	1.5K 5% 1/4W F
* CNP107	1-564-518-11	PLUG, CONNECTOR 3P		R016	1-249-421-11	CARBON	2.2K 5% 1/4W F
* CNS100	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P		R017	1-247-843-11	CARBON	3.3K 5% 1/4W
* CNS105	1-695-808-11	CONNECTOR, PC BOARD 8P		R018	1-249-425-11	CARBON	4.7K 5% 1/4W F
< DIODE >				R021	1-249-411-11	CARBON	330 5% 1/4W
D002	8-719-046-39	DIODE SEL5821A-TP15		R022	1-249-413-11	CARBON	470 5% 1/4W F
D003	8-719-046-39	DIODE SEL5821A-TP15		R023	1-249-415-11	CARBON	680 5% 1/4W F
D004	8-719-046-39	DIODE SEL5821A-TP15		R024	1-249-417-11	CARBON	1K 5% 1/4W F
D007	8-719-046-39	DIODE SEL5821A-TP15		R025	1-249-419-11	CARBON	1.5K 5% 1/4W F
D008	8-719-046-39	DIODE SEL5821A-TP15		R026	1-249-421-11	CARBON	2.2K 5% 1/4W F
D009	8-719-046-39	DIODE SEL5821A-TP15		R027	1-247-843-11	CARBON	3.3K 5% 1/4W
D010	8-719-046-39	DIODE SEL5821A-TP15		R028	1-249-425-11	CARBON	4.7K 5% 1/4W F
D011	8-719-084-07	DIODE SEL5E20CTP15		R029	1-249-429-11	CARBON	10K 5% 1/4W
D014	8-719-075-59	DIODE SELS5B23C-TP15		R030	1-249-411-11	CARBON	330 5% 1/4W
D100	8-719-991-33	DIODE 1SS133T-77		R031	1-249-413-11	CARBON	470 5% 1/4W F
D101	8-719-991-33	DIODE 1SS133T-77		R032	1-249-415-11	CARBON	680 5% 1/4W F
D102	8-719-991-33	DIODE 1SS133T-77		R033	1-249-417-11	CARBON	1K 5% 1/4W F
D103	8-719-991-33	DIODE 1SS133T-77		R034	1-249-419-11	CARBON	1.5K 5% 1/4W F
D109	8-719-991-33	DIODE 1SS133T-77		R035	1-249-421-11	CARBON	2.2K 5% 1/4W F
D110	8-719-991-33	DIODE 1SS133T-77		R052	1-249-407-11	CARBON	150 5% 1/4W F
< FERRITE BEAD >				R055	1-247-807-31	CARBON	100 5% 1/4W
FB100	1-412-473-41	INDUCTOR 0UH		R056	1-247-807-31	CARBON	100 5% 1/4W
< FILTER >				R057	1-247-807-31	CARBON	100 5% 1/4W
FL101	1-518-718-11	INDICATOR TUBE, FLUORESCENT		R058	1-247-807-31	CARBON	100 5% 1/4W
< IC >				R062	1-249-402-11	CARBON	56 5% 1/4W F
IC101	8-749-011-22	IC GP1U27X		R064	1-249-407-11	CARBON	150 5% 1/4W F
IC102	6-800-001-01	IC MB90553ABPF-G-193-BND		R065	1-249-441-11	CARBON	100K 5% 1/4W
IC103	8-759-643-83	IC uPD16315GB-3BS		R100	1-247-807-31	CARBON	100 5% 1/4W
< COIL >				R101	1-247-807-31	CARBON	100 5% 1/4W
L101	1-408-117-00	INDUCTOR 10uH		R102	1-247-807-31	CARBON	100 5% 1/4W
< TRANSISTOR >				R105	1-249-417-11	CARBON	1K 5% 1/4W F
Q008	8-729-900-63	TRANSISTOR BN1F4M-TP		R107	1-249-421-11	CARBON	2.2K 5% 1/4W F
Q009	8-729-900-63	TRANSISTOR BN1F4M-TP		R112	1-249-427-11	CARBON	6.8K 5% 1/4W F
Q100	8-729-900-63	TRANSISTOR BN1F4M-TP		R113	1-249-427-11	CARBON	6.8K 5% 1/4W F
Q101	8-729-900-36	TRANSISTOR BA1F4M-TP		R114	1-249-427-11	CARBON	6.8K 5% 1/4W F
Q103	8-729-119-78	TRANSISTOR 2SC2785TP-HFE		R115	1-249-427-11	CARBON	6.8K 5% 1/4W F
Q104	8-729-900-36	TRANSISTOR BA1F4M-TP		R117	1-249-437-11	CARBON	47K 5% 1/4W
				R118	1-249-429-11	CARBON	10K 5% 1/4W
				R119	1-249-425-11	CARBON	4.7K 5% 1/4W F
				R120	1-249-429-11	CARBON	10K 5% 1/4W
				R121	1-247-899-11	CARBON	680K 5% 1/4W
				R123	1-249-433-11	CARBON	22K 5% 1/4W
				R124	1-249-433-11	CARBON	22K 5% 1/4W

STR-K402

DISPLAY

HP

MAIN

Ref. No.	Part No.	Description	Remarks
R125	1-247-807-31	CARBON 100 5% 1/4W	
R126	1-247-807-31	CARBON 100 5% 1/4W	
R127	1-249-429-11	CARBON 10K 5% 1/4W	
R128	1-247-807-31	CARBON 100 5% 1/4W	
R129	1-247-807-31	CARBON 100 5% 1/4W	
R130	1-247-807-31	CARBON 100 5% 1/4W	
R131	1-247-807-31	CARBON 100 5% 1/4W	
R132	1-247-807-31	CARBON 100 5% 1/4W	
R133	1-247-807-31	CARBON 100 5% 1/4W	
R134	1-247-807-31	CARBON 100 5% 1/4W	
R135	1-247-807-31	CARBON 100 5% 1/4W	
R136	1-247-807-31	CARBON 100 5% 1/4W	
R137	1-247-807-31	CARBON 100 5% 1/4W	
R138	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R139	1-247-807-31	CARBON 100 5% 1/4W	
R140	1-247-807-31	CARBON 100 5% 1/4W	
R141	1-247-807-31	CARBON 100 5% 1/4W	
R142	1-247-807-31	CARBON 100 5% 1/4W	
R143	1-247-807-31	CARBON 100 5% 1/4W	
R144	1-249-429-11	CARBON 10K 5% 1/4W	
R145	1-247-807-31	CARBON 100 5% 1/4W	
R146	1-247-807-31	CARBON 100 5% 1/4W	
R147	1-247-807-31	CARBON 100 5% 1/4W	
R148	1-247-807-31	CARBON 100 5% 1/4W	
R149	1-247-807-31	CARBON 100 5% 1/4W	
R150	1-247-807-31	CARBON 100 5% 1/4W	
R151	1-247-807-31	CARBON 100 5% 1/4W	
R152	1-247-807-31	CARBON 100 5% 1/4W	
R153	1-247-807-31	CARBON 100 5% 1/4W	
R154	1-249-429-11	CARBON 10K 5% 1/4W	
R161	1-249-441-11	CARBON 100K 5% 1/4W	
R162	1-249-441-11	CARBON 100K 5% 1/4W	
R164	1-249-429-11	CARBON 10K 5% 1/4W	
R165	1-249-440-11	CARBON 82K 5% 1/4W	
R187	1-249-429-11	CARBON 10K 5% 1/4W	
R188	1-249-429-11	CARBON 10K 5% 1/4W	
△ R198	1-249-377-11	CARBON 0.47 5% 1/4W	
△ R199	1-249-377-11	CARBON 0.47 5% 1/4W	

< VARIABLE RESISTOR >

RV102 1-418-773-11 ENCODER, ROTARY (MASTER VOLUME)

< SWITCH >

S100	1-762-875-21	SWITCH, TACTILE (TREBLE-)
S101	1-762-875-21	SWITCH, TACTILE (TREBLE+)
S102	1-762-875-21	SWITCH, TACTILE (BASS+)
S103	1-762-875-21	SWITCH, TACTILE (BASS-)
S104	1-762-875-21	SWITCH, TACTILE (2CH)
S105	1-762-875-21	SWITCH, TACTILE (A.F.D.)
S106	1-762-875-21	SWITCH, TACTILE (MENU-)
S107	1-762-875-21	SWITCH, TACTILE (MENU+)
S110	1-762-875-21	SWITCH, TACTILE (MENU>)
S111	1-762-875-21	SWITCH, TACTILE (MENU<)
S112	1-762-875-21	SWITCH, TACTILE (AM)
S113	1-762-875-21	SWITCH, TACTILE (FM)
S114	1-762-875-21	SWITCH, TACTILE (FM MODE)
S115	1-762-875-21	SWITCH, TACTILE (SHIFT)
S116	1-762-875-21	SWITCH, TACTILE (PRESET TUNING+)

Ref. No.	Part No.	Description	Remarks
S117	1-762-875-21	SWITCH, TACTILE (PRESET TUNING-)	
S118	1-762-875-21	SWITCH, TACTILE (MEMORY)	
S120	1-762-875-21	SWITCH, TACTILE (TUNING-)	
S121	1-762-875-21	SWITCH, TACTILE (TUNING+)	
S122	1-762-875-21	SWITCH, TACTILE (SETUP)	
S123	1-762-875-21	SWITCH, TACTILE (NAME)	
S124	1-762-875-21	SWITCH, TACTILE (ENTER)	
S125	1-762-875-21	SWITCH, TACTILE (LEVEL)	
S126	1-762-875-21	SWITCH, TACTILE (SURR)	
S127	1-762-875-21	SWITCH, TACTILE (DVD/LD)	
S128	1-762-875-21	SWITCH, TACTILE (VIDEO)	
S129	1-762-875-21	SWITCH, TACTILE (MD/TAPE)	
S130	1-762-875-21	SWITCH, TACTILE (MODE)	
S131	1-762-875-21	SWITCH, TACTILE (MUTING)	
S132	1-762-875-21	SWITCH, TACTILE (MULTI CH IN)	
S133	1-762-875-21	SWITCH, TACTILE (INPUT MODE)	
S134	1-762-875-21	SWITCH, TACTILE (TV/SAT)	
S135	1-762-875-21	SWITCH, TACTILE (CD)	
S136	1-762-875-21	SWITCH, TACTILE (TUNER)	

< VIBRATOR >

X101 1-781-356-21 VIBRATOR, CERAMIC 16MHz

1-681-429-11 HP BOARD

< CAPACITOR >

C790 1-164-159-11 CERAMIC 0.1uF 50V

< CONNECTOR >

CNP791 1-564-505-11 PLUG, CONNECTOR 2P
CNP792 1-691-765-11 PLUG (MICRO CONNECTOR) 3P

< DIODE >

D790 8-719-084-16 DIODE RD5.6F-T8B2

< JACK >

J791 1-815-314-21 JACK(PHONES)

A-2007-941-A MAIN BOARD,COMPLETE

7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3

< CAPACITOR >

C320	1-164-159-11	CERAMIC	0.1uF	50V
C321	1-164-159-11	CERAMIC	0.1uF	50V
C322	1-164-159-11	CERAMIC	0.1uF	50V
C323	1-128-813-11	CERAMIC	220PF	5% 50V
C324	1-128-813-11	CERAMIC	220PF	5% 50V
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

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

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
C376	1-128-809-11	CERAMIC	100PF	5%	50V	C497	1-128-803-11	CERAMIC	33PF	5%	50V
C402	1-126-795-11	ELECT	10uF	20.00%	50V	C498	1-128-803-11	CERAMIC	33PF	5%	50V
C404	1-126-795-11	ELECT	10uF	20.00%	50V	C499	1-126-795-11	ELECT	10uF	20.00%	50V
C405	1-126-795-11	ELECT	10uF	20.00%	50V	C501	1-126-963-11	ELECT	4.7uF	20.00%	50V
C406	1-126-795-11	ELECT	10uF	20.00%	50V	C502	1-128-809-11	CERAMIC	100PF	5%	50V
C408	1-126-795-11	ELECT	10uF	20.00%	50V	C503	1-102-989-00	CERAMIC	68PF	5.00%	500V
C409	1-126-795-11	ELECT	10uF	20.00%	50V	C504	1-102-989-00	CERAMIC	68PF	5.00%	500V
C410	1-126-795-11	ELECT	10uF	20.00%	50V	C505	1-104-665-11	ELECT	100uF	20.00%	10V
C411	1-164-159-11	CERAMIC	0.1uF		50V	C506	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C412	1-130-481-00	MYLAR	0.0068uF	5%	50V	C510	1-104-664-11	ELECT	47uF	20.00%	25V
C413	1-136-495-11	FILM	0.068uF	5.00%	50V	C511	1-136-157-00	FILM	0.022uF	5.00%	50V
C414	1-130-481-00	MYLAR	0.0068uF	5%	50V	C520	1-128-813-11	CERAMIC	220PF	5%	50V
C416	1-136-165-00	FILM	0.1uF	5.00%	50V	C524	1-126-160-11	ELECT	1uF	20%	50V
C417	1-136-165-00	FILM	0.1uF	5.00%	50V	C526	1-127-876-31	CERAMIC	0.01uF	10%	50V
C418	1-126-795-11	ELECT	10uF	20.00%	50V	C601	1-126-963-11	ELECT	4.7uF	20.00%	50V
C419	1-126-963-11	ELECT	4.7uF	20.00%	50V	C603	1-104-665-11	ELECT	100uF	20.00%	10V
C420	1-126-795-11	ELECT	10uF	20.00%	50V	C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C421	1-126-795-11	ELECT	10uF	20.00%	50V	C605	1-102-233-00	CERAMIC	33PF	10.00%	500V
C425	1-126-795-11	ELECT	10uF	20.00%	50V	C606	1-128-809-11	CERAMIC	100PF	5%	50V
C428	1-126-963-11	ELECT	4.7uF	20.00%	50V	C607	1-128-809-11	CERAMIC	100PF	5%	50V
C429	1-164-159-11	CERAMIC	0.1uF		50V	C610	1-104-664-11	ELECT	47uF	20.00%	25V
C430	1-164-159-11	CERAMIC	0.1uF		50V	C611	1-136-157-00	FILM	0.022uF	5.00%	50V
C431	1-128-809-11	CERAMIC	100PF	5%	50V	C620	1-128-813-11	CERAMIC	220PF	5%	50V
C432	1-128-809-11	CERAMIC	100PF	5%	50V	C624	1-126-160-11	ELECT	1uF	20%	50V
C433	1-128-809-11	CERAMIC	100PF	5%	50V	C626	1-127-876-11	CERAMIC	0.01uF	10%	50V
C434	1-126-965-11	ELECT	22uF	20.00%	50V	C651	1-126-963-11	ELECT	4.7uF	20.00%	50V
C441	1-164-159-11	CERAMIC	0.1uF		50V	C653	1-104-665-11	ELECT	100uF	20.00%	10V
C442	1-164-159-11	CERAMIC	0.1uF		50V	C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C452	1-126-795-11	ELECT	10uF	20.00%	50V	C655	1-102-233-00	CERAMIC	33PF	10.00%	500V
C454	1-126-795-11	ELECT	10uF	20.00%	50V	C656	1-128-809-11	CERAMIC	100PF	5%	50V
C455	1-126-795-11	ELECT	10uF	20.00%	50V	C657	1-128-809-11	CERAMIC	100PF	5%	50V
C456	1-126-795-11	ELECT	10uF	20.00%	50V	C660	1-104-664-11	ELECT	47uF	20.00%	25V
C457	1-126-795-11	ELECT	10uF	20.00%	50V	C661	1-136-157-00	FILM	0.022uF	5.00%	50V
C458	1-126-795-11	ELECT	10uF	20.00%	50V	C670	1-128-813-11	CERAMIC	220PF	5%	50V
C459	1-126-795-11	ELECT	10uF	20.00%	50V	C701	1-126-963-11	ELECT	4.7uF	20.00%	50V
C460	1-126-795-11	ELECT	10uF	20.00%	50V	C703	1-104-665-11	ELECT	100uF	20.00%	10V
C461	1-126-963-11	ELECT	4.7uF	20.00%	50V	C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C462	1-130-481-00	MYLAR	0.0068uF	5%	50V	C705	1-102-233-00	CERAMIC	33PF	10.00%	500V
C463	1-136-495-11	FILM	0.068uF	5.00%	50V	C706	1-128-809-11	CERAMIC	100PF	5%	50V
C464	1-130-481-00	MYLAR	0.0068uF	5%	50V	C707	1-128-809-11	CERAMIC	100PF	5%	50V
C465	1-126-795-11	ELECT	10uF	20.00%	50V	C710	1-104-664-11	ELECT	47uF	20.00%	25V
C466	1-136-165-00	FILM	0.1uF	5.00%	50V	C711	1-136-157-00	FILM	0.022uF	5.00%	50V
C467	1-136-165-00	FILM	0.1uF	5.00%	50V	C720	1-128-813-11	CERAMIC	220PF	5%	50V
C468	1-126-795-11	ELECT	10uF	20.00%	50V	C721	1-126-934-11	ELECT	220uF	20.00%	10V
C469	1-126-795-11	ELECT	10uF	20.00%	50V	C722	1-126-795-11	ELECT	10uF	20.00%	50V
C470	1-126-795-11	ELECT	10uF	20.00%	50V	C724	1-126-160-11	ELECT	1uF	20%	50V
C471	1-126-963-11	ELECT	4.7uF	20.00%	50V	C726	1-127-876-31	CERAMIC	0.01uF	10%	50V
C472	1-126-963-11	ELECT	4.7uF	20.00%	50V	C734	1-126-160-11	ELECT	1uF	20%	50V
C473	1-126-963-11	ELECT	4.7uF	20.00%	50V	C736	1-127-876-31	CERAMIC	0.01uF	10%	50V
C474	1-126-963-11	ELECT	4.7uF	20.00%	50V	C740	1-128-582-11	ELECT	10uF	20.00%	100V
C475	1-126-963-11	ELECT	4.7uF	20.00%	50V	C741	1-128-582-11	ELECT	10uF	20.00%	100V
C476	1-126-963-11	ELECT	4.7uF	20.00%	50V	C751	1-126-963-11	ELECT	4.7uF	20.00%	50V
C477	1-126-963-11	ELECT	4.7uF	20.00%	50V	C753	1-104-665-11	ELECT	100uF	20.00%	10V
C484	1-126-965-11	ELECT	22uF	20.00%	50V	C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C491	1-128-803-11	CERAMIC	33PF	5%	50V	C755	1-102-233-00	CERAMIC	33PF	10.00%	500V
C492	1-128-803-11	CERAMIC	33PF	5%	50V	C756	1-128-809-11	CERAMIC	100PF	5%	50V
C493	1-128-803-11	CERAMIC	33PF	5%	50V	C757	1-128-809-11	CERAMIC	100PF	5%	50V
C494	1-128-803-11	CERAMIC	33PF	5%	50V	C760	1-104-664-11	ELECT	47uF	20.00%	25V
C495	1-128-803-11	CERAMIC	33PF	5%	50V	C761	1-136-157-00	FILM	0.022uF	5.00%	50V
C496	1-128-803-11	CERAMIC	33PF	5%	50V	C770	1-128-813-11	CERAMIC	220PF	5%	50V

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C801	1-126-947-11	ELECT	47uF 20.00% 35V	D732	8-719-991-33	DIODE 1SS133T-77	
C802	1-126-947-11	ELECT	47uF 20.00% 35V	D734	8-719-991-33	DIODE 1SS133T-77	
C803	1-165-498-11	ELECT	4700uF 20% 63V	D735	8-719-991-33	DIODE 1SS133T-77	
C804	1-165-498-11	ELECT	4700uF 20% 63V	D757	8-719-991-33	DIODE 1SS133T-77	
C805	1-130-781-00	MYLAR	0.22uF 5.00% 100V	D791	8-719-991-33	DIODE 1SS133T-77	
C806	1-130-781-00	MYLAR	0.22uF 5.00% 100V	D801	8-719-934-21	DIODE HZS30-1LTA	
C807	1-104-665-11	ELECT	100uF 20.00% 10V	△D802	8-719-072-05	DIODE D5SBA20-4003	
C808	1-104-665-11	ELECT	100uF 20.00% 10V	D804	8-719-084-16	DIODE RD5.6F-T8B2	
C810	1-136-165-00	FILM	0.1uF 5.00% 50V	D820	8-719-200-82	DIODE 11ES2-NTA1B	
C811	1-126-943-11	ELECT	2200uF 20.00% 25V	D821	8-719-200-82	DIODE 11ES2-NTA1B	
C812	1-126-941-11	ELECT	470uF 20.00% 25V	D822	8-719-200-82	DIODE 11ES2-NTA1B	
C813	1-164-159-11	CERAMIC	0.1uF 50V	D823	8-719-200-82	DIODE 11ES2-NTA1B	
C814	1-164-159-11	CERAMIC	0.1uF 50V	D824	8-719-200-82	DIODE 11ES2-NTA1B	
C815	1-126-960-11	ELECT	1uF 20.00% 50V	D825	8-719-200-82	DIODE 11ES2-NTA1B	
C816	1-104-664-11	ELECT	47uF 20.00% 25V	D826	8-719-200-82	DIODE 11ES2-NTA1B	
C817	1-126-936-11	ELECT	3300uF 20.00% 16V	D827	8-719-200-82	DIODE 11ES2-NTA1B	
C818	1-104-664-11	ELECT	47uF 20.00% 25V	D833	8-719-043-76	DIODE AK04V0	
C825	1-136-165-00	FILM	0.1uF 5.00% 50V	D896	8-719-043-76	DIODE AK04V0	
C826	1-104-664-11	ELECT	47uF 20.00% 25V	D898	8-719-200-82	DIODE 11ES2-NTA1B	
C827	1-104-664-11	ELECT	47uF 20.00% 25V	D899	8-719-200-82	DIODE 11ES2-NTA1B	
C896	1-104-664-11	ELECT	47uF 20.00% 25V	< EARTH >			
C897	1-136-165-00	FILM	0.1uF 5.00% 50V	* G401	1-537-738-21	TERMINAL, EARTH	
C898	1-126-949-11	ELECT	220uF 20.00% 35V	* G801	1-537-738-21	TERMINAL, EARTH	
C899	1-126-948-11	ELECT	100uF 20.00% 35V	< IC >			
C922	1-164-159-11	CERAMIC	0.1uF 50V	IC201	8-759-655-38	IC M61501FP	
C923	1-164-159-11	CERAMIC	0.1uF 50V	IC401	8-759-636-74	IC NJM4565DD	
< CONNECTOR >				IC402	8-759-636-74	IC NJM4565DD	
* CN791	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P		IC403	8-759-636-74	IC NJM4565DD	
CNP301	1-794-002-11	CONNECTOR 13P		IC404	8-759-636-74	IC NJM4565DD	
* CNP801	1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P		IC501	8-749-011-16	IC STK350-230	
CNP802	1-691-770-11	PLUG (MICRO CONNECTOR) 8P		IC701	8-759-326-52	IC uPC2581V	
CNS401	1-569-321-11	SOCKET, CONNECTOR 15P		IC702	8-759-326-52	IC uPC2581V	
< DIODE >				IC801	8-759-605-00	IC M5F78M07L	
D505	8-719-991-33	DIODE 1SS133T-77		IC802	8-759-604-95	IC M5F79M07L	
D506	8-719-991-33	DIODE 1SS133T-77		IC803	8-759-039-69	IC uPC7805AHF	
D508	8-719-991-33	DIODE 1SS133T-77		IC804	8-759-039-69	IC uPC7805AHF	
D510	8-719-991-33	DIODE 1SS133T-77		IC806	8-759-376-91	IC uPC78M12AHF	
D560	8-719-991-33	DIODE 1SS133T-77		IC807	8-759-708-05	IC NJM78L05A-T3	
D605	8-719-991-33	DIODE 1SS133T-77		< JACK >			
D606	8-719-991-33	DIODE 1SS133T-77		J253	1-774-843-11	JACK, PIN 1P (SUB WOOFER AUDIO OUT)	
D607	8-719-991-33	DIODE 1SS133T-77		J401	1-770-614-11	JACK, PIN 4P (CD IN,MD/TAPE OUT)	
D610	8-719-991-33	DIODE 1SS133T-77		J402	1-770-613-11	JACK, PIN 4P (MD/TAPE IN,TV/SAT AUDIO IN)	
D617	8-719-991-33	DIODE 1SS133T-77		J403	1-580-825-11	JACK, PIN 6P (DVD/LD AUDIO IN, VIDEO AUDIO OUT, VIDEO AUDIO IN)	
D627	8-719-991-33	DIODE 1SS133T-77		J501	1-779-380-11	JACK, PIN 6P (MULTI CH IN)	
D706	8-719-991-33	DIODE 1SS133T-77		< COIL >			
D710	8-719-991-33	DIODE 1SS133T-77		L521	1-420-872-00	COIL, AIR-CORE 1.7uH	
D721	8-719-991-33	DIODE 1SS133T-77		L601	1-420-872-00	COIL, AIR-CORE 1.7uH	
D722	8-719-991-33	DIODE 1SS133T-77		L651	1-420-872-00	COIL, AIR-CORE 1.7uH	
D725	8-719-991-33	DIODE 1SS133T-77		L701	1-420-872-00	COIL, AIR-CORE 1.7uH	
D726	8-719-991-33	DIODE 1SS133T-77		L751	1-420-872-00	COIL, AIR-CORE 1.7uH	
D727	8-719-991-33	DIODE 1SS133T-77					
D728	8-719-991-33	DIODE 1SS133T-77					
D731	8-719-991-33	DIODE 1SS133T-77					

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Replace only with part number specified.

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< TRANSISTOR >							
Q361	8-729-823-22	TRANSISTOR	2SC3576-AC	Q757	8-729-900-63	TRANSISTOR	BN1F4M-TP
Q362	8-729-823-22	TRANSISTOR	2SC3576-AC	Q758	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
Q363	8-729-823-22	TRANSISTOR	2SC3576-AC	Q759	8-729-900-63	TRANSISTOR	BN1F4M-TP
Q364	8-729-823-22	TRANSISTOR	2SC3576-AC	Q791	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
Q365	8-729-823-22	TRANSISTOR	2SC3576-AC	Q801	8-729-140-97	TRANSISTOR	2SB734-T-34
				< RESISTOR >			
Q366	8-729-823-22	TRANSISTOR	2SC3576-AC	R326	1-249-436-11	CARBON	39K 5% 1/4W
Q379	8-729-900-63	TRANSISTOR	BN1F4M-TP	R327	1-249-436-11	CARBON	39K 5% 1/4W
Q501	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R328	1-249-433-11	CARBON	22K 5% 1/4W
Q502	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R360	1-249-437-11	CARBON	47K 5% 1/4W
△ Q503	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R361	1-249-429-11	CARBON	10K 5% 1/4W
△ Q504	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R362	1-249-429-11	CARBON	10K 5% 1/4W
Q505	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R363	1-249-437-11	CARBON	47K 5% 1/4W
Q506	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R366	1-249-429-11	CARBON	10K 5% 1/4W
Q507	8-729-900-63	TRANSISTOR	BN1F4M-TP	R367	1-249-437-11	CARBON	47K 5% 1/4W
Q509	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2	R368	1-249-437-11	CARBON	47K 5% 1/4W
Q550	8-729-119-79	TRANSISTOR	2SC2785TP-FEK	R369	1-249-429-11	CARBON	10K 5% 1/4W
Q560	8-729-119-79	TRANSISTOR	2SC2785TP-FEK	R370	1-249-429-11	CARBON	10K 5% 1/4W
Q601	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R371	1-249-437-11	CARBON	47K 5% 1/4W
Q602	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R372	1-249-437-11	CARBON	47K 5% 1/4W
△ Q603	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R373	1-247-807-31	CARBON	100 5% 1/4W
△ Q604	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R374	1-247-807-31	CARBON	100 5% 1/4W
Q605	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R375	1-247-807-31	CARBON	100 5% 1/4W
Q606	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R376	1-247-807-31	CARBON	100 5% 1/4W
Q610	8-729-119-79	TRANSISTOR	2SC2785TP-FEK	R377	1-247-807-31	CARBON	100 5% 1/4W
Q651	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R378	1-247-807-31	CARBON	100 5% 1/4W
Q652	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R379	1-249-429-11	CARBON	10K 5% 1/4W
△ Q653	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R380	1-249-441-11	CARBON	100K 5% 1/4W
△ Q654	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R381	1-249-429-11	CARBON	10K 5% 1/4W
Q655	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R402	1-249-417-11	CARBON	1K 5% 1/4W F
Q656	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R403	1-249-417-11	CARBON	1K 5% 1/4W F
Q657	8-729-900-63	TRANSISTOR	BN1F4M-TP	R404	1-249-417-11	CARBON	1K 5% 1/4W F
Q658	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2	R405	1-249-417-11	CARBON	1K 5% 1/4W F
Q659	8-729-900-63	TRANSISTOR	BN1F4M-TP	R406	1-249-417-11	CARBON	1K 5% 1/4W F
Q691	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2	R407	1-249-417-11	CARBON	1K 5% 1/4W F
Q701	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R408	1-249-417-11	CARBON	1K 5% 1/4W F
Q702	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R409	1-249-417-11	CARBON	1K 5% 1/4W F
△ Q703	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R410	1-249-417-11	CARBON	1K 5% 1/4W F
△ Q704	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R411	1-249-417-11	CARBON	1K 5% 1/4W F
Q705	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R412	1-249-437-11	CARBON	47K 5% 1/4W
Q706	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R413	1-249-437-11	CARBON	47K 5% 1/4W
Q707	8-729-900-63	TRANSISTOR	BN1F4M-TP	R416	1-249-429-11	CARBON	10K 5% 1/4W
Q708	8-729-900-63	TRANSISTOR	BN1F4M-TP	R422	1-249-437-11	CARBON	47K 5% 1/4W
Q709	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2	R424	1-249-437-11	CARBON	47K 5% 1/4W
Q722	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA	R425	1-249-437-11	CARBON	47K 5% 1/4W
Q723	8-729-119-79	TRANSISTOR	2SC2785TP-FEK	R426	1-249-437-11	CARBON	47K 5% 1/4W
Q725	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R428	1-249-437-11	CARBON	47K 5% 1/4W
Q730	8-729-119-79	TRANSISTOR	2SC2785TP-FEK	R431	1-249-437-11	CARBON	47K 5% 1/4W
Q747	8-729-900-63	TRANSISTOR	BN1F4M-TP	R432	1-249-437-11	CARBON	47K 5% 1/4W
Q748	8-729-900-36	TRANSISTOR	BA1F4M-TP	R433	1-249-437-11	CARBON	47K 5% 1/4W
Q751	8-729-119-76	TRANSISTOR	2SA1115TP-EF	R434	1-249-437-11	CARBON	47K 5% 1/4W
Q752	8-729-141-30	TRANSISTOR	2SC3623ATP-LK	R442	1-249-437-11	CARBON	47K 5% 1/4W
△ Q753	8-749-010-25	TRANSISTOR	MN2488-OPY-M	R444	1-249-437-11	CARBON	47K 5% 1/4W
△ Q754	8-749-010-26	TRANSISTOR	MP1620-OPY-M	R445	1-249-437-11	CARBON	47K 5% 1/4W
Q755	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R446	1-249-437-11	CARBON	47K 5% 1/4W
Q756	8-729-140-82	TRANSISTOR	2SA988TP-PAFAEA	R447	1-249-437-11	CARBON	47K 5% 1/4W

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STR-K402

MAIN

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
R448	1-249-437-11	CARBON	47K	5%	1/4W		R530	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R452	1-249-417-11	CARBON	1K	5%	1/4W	F	R531	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R453	1-249-417-11	CARBON	1K	5%	1/4W	F	R532	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R454	1-249-417-11	CARBON	1K	5%	1/4W	F	R533	1-249-437-11	CARBON	47K	5%	1/4W	
R455	1-249-417-11	CARBON	1K	5%	1/4W	F	R535	1-249-431-11	CARBON	15K	5%	1/4W	
R456	1-249-417-11	CARBON	1K	5%	1/4W	F	R539	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R457	1-249-417-11	CARBON	1K	5%	1/4W	F	R540	1-247-881-00	CARBON	120K	5%	1/4W	
R458	1-249-417-11	CARBON	1K	5%	1/4W	F	R541	1-249-431-11	CARBON	15K	5%	1/4W	
R459	1-249-417-11	CARBON	1K	5%	1/4W	F	R573	1-249-437-11	CARBON	47K	5%	1/4W	
R460	1-249-417-11	CARBON	1K	5%	1/4W	F	R601	1-249-417-11	CARBON	1K	5%	1/4W	F
R461	1-249-417-11	CARBON	1K	5%	1/4W	F	R602	1-249-439-11	CARBON	68K	5%	1/4W	
R463	1-249-437-11	CARBON	47K	5%	1/4W		R603	1-249-414-11	CARBON	560	5%	1/4W	F
R464	1-249-437-11	CARBON	47K	5%	1/4W		R604	1-249-439-11	CARBON	68K	5%	1/4W	
R465	1-249-437-11	CARBON	47K	5%	1/4W		R610	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R466	1-249-429-11	CARBON	10K	5%	1/4W		R611	1-249-440-11	CARBON	82K	5%	1/4W	
R467	1-249-437-11	CARBON	47K	5%	1/4W		R613	1-249-414-11	CARBON	560	5%	1/4W	F
R468	1-249-437-11	CARBON	47K	5%	1/4W		△ R614	1-249-408-11	CARBON	180	5%	1/4W	F
R469	1-249-417-11	CARBON	1K	5%	1/4W	F	△ R615	1-249-408-11	CARBON	180	5%	1/4W	F
R470	1-249-437-11	CARBON	47K	5%	1/4W		△ R616	1-234-182-11	ENCAPSULATED COMPONENT				
R471	1-249-429-11	CARBON	10K	5%	1/4W		△ R617	1-249-393-11	CARBON	10	5%	1/4W	F
R472	1-249-429-11	CARBON	10K	5%	1/4W		△ R618	1-249-386-11	CARBON	2.7	5%	1/6W	F
R473	1-247-843-11	CARBON	3.3K	5%	1/4W		R620	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R474	1-249-429-11	CARBON	10K	5%	1/4W		R621	1-247-850-11	CARBON	6.2K	5%	1/4W	
R475	1-249-429-11	CARBON	10K	5%	1/4W		R622	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R476	1-249-429-11	CARBON	10K	5%	1/4W		R623	1-249-437-11	CARBON	47K	5%	1/4W	
R477	1-249-429-11	CARBON	10K	5%	1/4W		R625	1-247-881-00	CARBON	120K	5%	1/4W	
R478	1-249-429-11	CARBON	10K	5%	1/4W		R626	1-249-431-11	CARBON	15K	5%	1/4W	
R479	1-249-429-11	CARBON	10K	5%	1/4W		R630	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R480	1-247-843-11	CARBON	3.3K	5%	1/4W		R631	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R481	1-249-429-11	CARBON	10K	5%	1/4W		R638	1-247-881-00	CARBON	120K	5%	1/4W	
R482	1-247-843-11	CARBON	3.3K	5%	1/4W		R651	1-249-417-11	CARBON	1K	5%	1/4W	F
R483	1-249-429-11	CARBON	10K	5%	1/4W		R652	1-249-439-11	CARBON	68K	5%	1/4W	
R484	1-247-843-11	CARBON	3.3K	5%	1/4W		R653	1-249-414-11	CARBON	560	5%	1/4W	F
R485	1-249-429-11	CARBON	10K	5%	1/4W		R654	1-249-439-11	CARBON	68K	5%	1/4W	
R486	1-247-843-11	CARBON	3.3K	5%	1/4W		R660	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R487	1-249-437-11	CARBON	47K	5%	1/4W		R661	1-249-440-11	CARBON	82K	5%	1/4W	
R488	1-249-437-11	CARBON	47K	5%	1/4W		R663	1-249-414-11	CARBON	560	5%	1/4W	F
R489	1-249-437-11	CARBON	47K	5%	1/4W		△ R664	1-249-408-11	CARBON	180	5%	1/4W	F
R490	1-249-437-11	CARBON	47K	5%	1/4W		△ R665	1-249-408-11	CARBON	180	5%	1/4W	F
R491	1-249-437-11	CARBON	47K	5%	1/4W		△ R666	1-234-182-11	ENCAPSULATED COMPONENT				
R492	1-249-437-11	CARBON	47K	5%	1/4W		△ R667	1-249-393-11	CARBON	10	5%	1/4W	F
R499	1-249-437-11	CARBON	47K	5%	1/4W		△ R668	1-249-386-11	CARBON	2.7	5%	1/6W	F
R501	1-249-417-11	CARBON	1K	5%	1/4W	F	R670	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R502	1-249-439-11	CARBON	68K	5%	1/4W		R671	1-247-850-11	CARBON	6.2K	5%	1/4W	
R503	1-249-414-11	CARBON	560	5%	1/4W	F	R672	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R504	1-249-411-11	CARBON	330	5%	1/4W		R674	1-247-866-11	CARBON	30K	5%	1/4W	
R505	1-249-439-11	CARBON	68K	5%	1/4W		R675	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R507	1-249-433-11	CARBON	22K	5%	1/4W		R676	1-249-431-11	CARBON	15K	5%	1/4W	
R510	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R677	1-249-433-11	CARBON	22K	5%	1/4W	
R511	1-249-440-11	CARBON	82K	5%	1/4W		R678	1-249-433-11	CARBON	22K	5%	1/4W	
R513	1-249-414-11	CARBON	560	5%	1/4W	F	R683	1-249-437-11	CARBON	47K	5%	1/4W	
△ R514	1-249-408-11	CARBON	180	5%	1/4W	F	R684	1-249-431-11	CARBON	15K	5%	1/4W	
△ R515	1-249-408-11	CARBON	180	5%	1/4W	F	R691	1-215-888-00	METAL OXIDE	220	5%	2W	
△ R516	1-234-182-11	ENCAPSULATED COMPONENT					R692	1-215-888-00	METAL OXIDE	220	5%	2W	
△ R517	1-249-393-11	CARBON	10	5%	1/4W	F	R701	1-249-417-11	CARBON	1K	5%	1/4W	F
R520	1-249-425-11	CARBON	4.7K	5%	1/4W	F							
R521	1-247-850-11	CARBON	6.2K	5%	1/4W								
R522	1-249-419-11	CARBON	1.5K	5%	1/4W	F							
△ R528	1-249-386-11	CARBON	2.7	5%	1/6W	F							
R529	1-247-866-11	CARBON	30K	5%	1/4W								

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

MAIN

POWER SW

STANDBY

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks	
R702	1-249-439-11	CARBON	68K	5%	1/4W	△ R803	1-249-386-11	CARBON	2.7	5%	1/6W F	
R703	1-249-414-11	CARBON	560	5%	1/4W F	R804	1-249-427-11	CARBON	6.8K	5%	1/4W F	
R704	1-249-439-11	CARBON	68K	5%	1/4W	R805	1-249-427-11	CARBON	6.8K	5%	1/4W F	
R705	1-249-441-11	CARBON	100K	5%	1/4W	△ R810	1-240-877-11	FUSIBLE	0.15	5%	1/2W	
R710	1-249-421-11	CARBON	2.2K	5%	1/4W F	△ R811	1-240-877-11	FUSIBLE	0.15	5%	1/2W	
R711	1-249-440-11	CARBON	82K	5%	1/4W	△ R812	1-243-635-81	FUSIBLE	0.33	5%	1/2W	
R713	1-249-414-11	CARBON	560	5%	1/4W F	△ R813	1-240-877-11	FUSIBLE	0.15	5%	1/2W	
△ R714	1-249-408-11	CARBON	180	5%	1/4W F			< RELAY >				
△ R715	1-249-408-11	CARBON	180	5%	1/4W F							
△ R716	1-234-182-11	ENCAPSULATED COMPONENT										
△ R717	1-249-393-11	CARBON	10	5%	1/4W F	RY550	1-755-170-11	RELAY (12V)				
△ R718	1-249-386-11	CARBON	2.7	5%	1/6W F	RY560	1-755-267-11	RELAY				
R719	1-249-425-11	CARBON	4.7K	5%	1/4W F	RY601	1-755-170-11	RELAY (12V)				
R721	1-247-850-11	CARBON	6.2K	5%	1/4W	RY730	1-755-170-11	RELAY (12V)				
R722	1-249-419-11	CARBON	1.5K	5%	1/4W F	RY791	1-515-614-11	RELAY				
								< TERMINAL >				
R723	1-249-437-11	CARBON	47K	5%	1/4W							
R724	1-247-881-00	CARBON	120K	5%	1/4W	TM601	1-537-923-11	TERMINAL BOARD				
R727	1-249-433-11	CARBON	22K	5%	1/4W			(SPEAKER) (6P) (SURROUND, CENTER)				
R730	1-249-425-11	CARBON	4.7K	5%	1/4W F	TM602	1-537-925-61	TERMINAL BOARD (SPEAKER FRONT)				
R731	1-249-425-11	CARBON	4.7K	5%	1/4W F	*****						
△ R732	1-249-381-11	CARBON	1	5%	1/4W F		1-681-430-11	POWER SW BOARD				
△ R733	1-249-381-11	CARBON	1	5%	1/4W F			*****				
R735	1-249-427-11	CARBON	6.8K	5%	1/4W F							
R736	1-249-417-11	CARBON	1K	5%	1/4W F			< CONNECTOR >				
R737	1-249-436-11	CARBON	39K	5%	1/4W	* CNP100	1-565-295-11	PLUG, CONNECTOR 4P				
								< RESISTOR >				
R738	1-247-881-00	CARBON	120K	5%	1/4W							
R739	1-249-431-11	CARBON	15K	5%	1/4W							
R740	1-247-866-11	CARBON	30K	5%	1/4W							
R743	1-249-433-11	CARBON	22K	5%	1/4W	R009	1-249-429-11	CARBON	10K	5%	1/4W	
R744	1-249-431-11	CARBON	15K	5%	1/4W	R010	1-249-417-11	CARBON	1K	5%	1/4W F	
								< SWITCH >				
R745	1-249-422-11	CARBON	2.7K	5%	1/4W F							
R746	1-249-433-11	CARBON	22K	5%	1/4W							
R747	1-249-433-11	CARBON	22K	5%	1/4W	S108	1-762-875-21	SWITCH, TACTILE (DISPLAY)				
R748	1-249-437-11	CARBON	47K	5%	1/4W	S109	1-762-875-21	SWITCH, TACTILE (DIMMER)				
R751	1-249-417-11	CARBON	1K	5%	1/4W F	S150	1-762-875-21	SWITCH, TACTILE (I/⏻)				

R752	1-249-439-11	CARBON	68K	5%	1/4W							
R753	1-249-414-11	CARBON	560	5%	1/4W F	A-2007-945-A	STANDBY BOARD,COMPLETE					
R754	1-249-439-11	CARBON	68K	5%	1/4W			*****				
R760	1-249-421-11	CARBON	2.2K	5%	1/4W F							
R761	1-249-440-11	CARBON	82K	5%	1/4W	1-533-293-11	FUSE HOLDER					
								< CAPACITOR >				
R763	1-249-414-11	CARBON	560	5%	1/4W F							
△ R764	1-249-408-11	CARBON	180	5%	1/4W F							
△ R765	1-249-408-11	CARBON	180	5%	1/4W F	C920	1-164-159-11	CERAMIC	0.1uF		50V	
△ R766	1-234-182-11	ENCAPSULATED COMPONENT					C921	1-164-159-11	CERAMIC	0.1uF		50V
△ R767	1-249-393-11	CARBON	10	5%	1/4W F	C950	1-126-936-11	ELECT	3300uF	20.00%	16V	
						C951	1-164-159-11	CERAMIC	0.1uF		50V	
△ R768	1-249-386-11	CARBON	2.7	5%	1/6W F	C952	1-126-960-11	ELECT	1uF	20.00%	50V	
R770	1-249-425-11	CARBON	4.7K	5%	1/4W F							
R771	1-247-850-11	CARBON	6.2K	5%	1/4W	C953	1-126-957-11	ELECT	0.22uF	20.00%	50V	
R772	1-249-419-11	CARBON	1.5K	5%	1/4W F	C954	1-126-964-11	ELECT	10uF	20.00%	50V	
R775	1-249-422-11	CARBON	2.7K	5%	1/4W F	C955	1-164-159-11	CERAMIC	0.1uF		50V	
						C957	1-164-159-11	CERAMIC	0.1uF		50V	
R776	1-249-431-11	CARBON	15K	5%	1/4W	C958	1-164-159-11	CERAMIC	0.1uF		50V	
R777	1-247-866-11	CARBON	30K	5%	1/4W			< CONNECTOR >				
R778	1-249-431-11	CARBON	15K	5%	1/4W							
R779	1-249-437-11	CARBON	47K	5%	1/4W							
R791	1-215-868-00	METAL OXIDE	680	5%	1W	CNP901	1-564-321-00	PIN, CONNECTOR 2P				
						* CNP902	1-565-792-11	PIN, CONNECTOR 2P				
R793	1-249-425-11	CARBON	4.7K	5%	1/4W F	CNP912	1-784-921-11	PIN, CONNECTOR 4P				
R799	1-215-868-00	METAL OXIDE	680	5%	1W							
△ R800	1-249-386-11	CARBON	2.7	5%	1/6W F	The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.						
△ R801	1-249-381-11	CARBON	1	5%	1/4W F							
△ R802	1-249-381-11	CARBON	1	5%	1/4W F							

STANDBY

VIDEO

Ref. No.	Part No.	Description	Remarks
< DIODE >			
D901	8-719-991-33	DIODE 1SS133T-77	
D910	8-719-200-82	DIODE 11ES2-NTA1B	
D911	8-719-200-82	DIODE 11ES2-NTA1B	
D912	8-719-200-82	DIODE 11ES2-NTA1B	
D913	8-719-200-82	DIODE 11ES2-NTA1B	
D914	8-719-991-33	DIODE 1SS133T-77	
D915	8-719-991-33	DIODE 1SS133T-77	
< EARTH >			
* EPT901	1-537-738-21	TERMINAL, EARTH	
< FUSE >			
△ F901	1-533-454-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/125V	
< IC >			
IC950	8-759-333-83	IC NJM2103D	
< TRANSISTOR >			
Q901	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q951	8-729-045-21	TRANSISTOR 2SD1513TP-LK	
< RESISTOR >			
△ R901	1-202-725-00	SOLID 3.3M 10% 1/2W	
R902	1-249-437-11	CARBON 47K 5% 1/4W	
R903	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R950	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R951	1-249-428-11	CARBON 8.2K 5% 1/4W	F
R952	1-249-422-11	CARBON 2.7K 5% 1/4W	F
R953	1-249-433-11	CARBON 22K 5% 1/4W	
R954	1-249-437-11	CARBON 47K 5% 1/4W	
R955	1-249-429-11	CARBON 10K 5% 1/4W	
R956	1-247-843-11	CARBON 3.3K 5% 1/4W	
R957	1-249-417-11	CARBON 1K 5% 1/4W	F
R960	1-249-431-11	CARBON 15K 5% 1/4W	
< RELAY >			
△ RY901	1-755-298-11	RELAY	
< TRANSFORMER >			
△ T902	1-435-436-11	TRANSFORMER, POWER	

1-681-428-11	VIDEO BOARD	*****	
< CAPACITOR >			
C1602	1-164-159-11	CERAMIC 0.1uF 50V	
C1603	1-126-964-11	ELECT 10uF 20.00% 50V	
C1604	1-164-159-11	CERAMIC 0.1uF 50V	
C1605	1-128-805-11	CERAMIC 47PF 5% 50V	
C1606	1-128-805-11	CERAMIC 47PF 5% 50V	

Ref. No.	Part No.	Description	Remarks
C1607	1-126-960-11	ELECT 1uF 20.00% 50V	
C1608	1-126-960-11	ELECT 1uF 20.00% 50V	
C1609	1-126-960-11	ELECT 1uF 20.00% 50V	
C1611	1-126-965-11	ELECT 22uF 20.00% 50V	
C1612	1-126-964-11	ELECT 10uF 20.00% 50V	
< CONNECTOR >			
CNP911	1-784-925-11	PIN, CONNECTOR 10P	
CNS107	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
CNS500	1-564-506-11	PLUG, CONNECTOR 3P	
< IC >			
IC1014	8-759-701-65	IC NJM79M05FA	
IC1015	8-759-333-84	IC NJM2279D	
< JACK >			
J1004	1-695-317-11	JACK, PIN 2P (MONITOR VIDEO OUT, VIDEO VIDEO IN)	
J1006	1-766-199-11	JACK, PIN 3P (VIDEO VIDEO OUT, DVD/LD VIDEO IN, TV/SAT VIDEO IN)	
< RESISTOR >			
R1601	1-247-804-11	CARBON 75 5% 1/4W	
R1602	1-247-804-11	CARBON 75 5% 1/4W	
R1603	1-247-804-11	CARBON 75 5% 1/4W	
R1604	1-247-804-11	CARBON 75 5% 1/4W	
R1605	1-247-804-11	CARBON 75 5% 1/4W	

MISCELLANEOUS			

58	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
61	1-693-407-21	TUNER UNIT	
△ 67	1-783-820-11	CORD, POWER	
△ T901	1-435-313-11	TRANSFORMER, POWER	
ACCESSORIES & PACKING MATERIALS			

1-476-552-11	COMMANDER, STANDARD (RM-U305)		
1-501-374-11	ANTENNA, LOOP		
1-501-721-11	ANTENNA (LOOP)		
1-793-184-21	CONNECTOR (F TYPE ADAPTOR)		
4-228-696-01	COVER, BATTERY (FOR RM-U305)		
4-233-503-11	INSTRUCTION MANUAL (ENGLISH)		

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

MEMO

REVISION HISTORY

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