

STR-K1900P

SERVICE MANUAL

Ver 1.1 2004.10

Canadian Model
E Model



- STR-K1900P is the tuner and the amplifier section in HT-1900DP.

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SPECIFICATIONS

Amplifier section

Power Output¹⁾

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 60 W/ch

CENTER²⁾: 60 W

SURR²⁾: 60 W/ch

(6 ohms 100 Hz, THD 0.7%)

SUB WOOFER²⁾: 60 W

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 80 W/ch

CENTER²⁾: 80 W

SURR²⁾: 80 W/ch

(6 ohms 100 Hz, THD 10%)

SUB WOOFER²⁾: 80 W

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 70 W/ch

CENTER²⁾: 70 W

SURR²⁾: 70 W/ch

(6 ohms 100 Hz, THD 10%)

SUB WOOFER²⁾: 70 W

1) Measured under the following conditions:

Area code	Power requirements
CND, MX	120 V AC, 60 Hz
E51	240 V AC, 50 Hz

2) Depending on the sound field settings and the source, there may be no sound output.

Inputs (Analog)

DVD, VIDEO	Sensitivity: 800 mV Impedance: 50 kilohms
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Inputs (Digital)

DVD (Coaxial)	Sensitivity: – Impedance: 75 ohms
VIDEO (Optical)	Sensitivity: – Impedance: –

Reproduction frequency range:

28 – 20,000 Hz

Tone

Gain levels	±6 dB, 1 dB step
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FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate Frequency	10.7 MHz

— Continued on next page —

FM STEREO FM-AM RECEIVER

AM tuner section

- Tuning range
- Models of area code CND
 - With 10-kHz tuning scale: 530 - 1,710 kHz³⁾
 - With 9-kHz tuning scale: 531 - 1,710 kHz³⁾
- Models of area code E51
 - With 10-kHz tuning scale: 530 - 1,610 kHz³⁾
 - With 9-kHz tuning scale: 531 - 1,602 kHz³⁾
- Models of area code MX
 - With 10-kHz tuning scale: 530 - 1,610 kHz
- Antenna
 - Loop antenna
- Intermediate Frequency 450 kHz

3) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down PRESET TUNING + or TUNING +, press I/⏻. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

General

Power requirements

Area code	Power requirements
CND, MX	120 V AC, 60 Hz
E51	120/220/240 V AC, 50/60 Hz

Power consumption

Area code	Power consumption
CND	150 W
E51, MX	150 W

- Power consumption (during standby mode)
 - 0.3 W
- Dimensions (w/h/d) (Approx.)
 - 430 × 145 × 301.5 mm
 - (17 × 5 6/8 × 11 7/8 inches)
 - including projecting parts and controls
- Mass (Approx.)
 - 6.5 kg (14 lb 6 oz)

- Abbreviation
 - CND : Canadian model
 - E51 : Chilean and Peruvian models
 - MX : Mexican model

Design and specifications are subject to change without notice.

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Notes on chip component replacement

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

UNLEADED SOLDER

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

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

**: LEAD FREE MARK**

Unleaded solder has the following characteristics.

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

MODEL IDENTIFICATION**– BACK PANEL –**

MODEL	PARTS No.
MX model	4-252-087-2□
CND model	4-252-087-3□
E51 model	4-252-088-8□

- Abbreviation
CND : Canadian model
E51 : Chilean and Peruvian models
MX : Mexican model

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.

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.

This section is extracted
from instruction manual.

Main unit

ALPHABETICAL ORDER

A - L

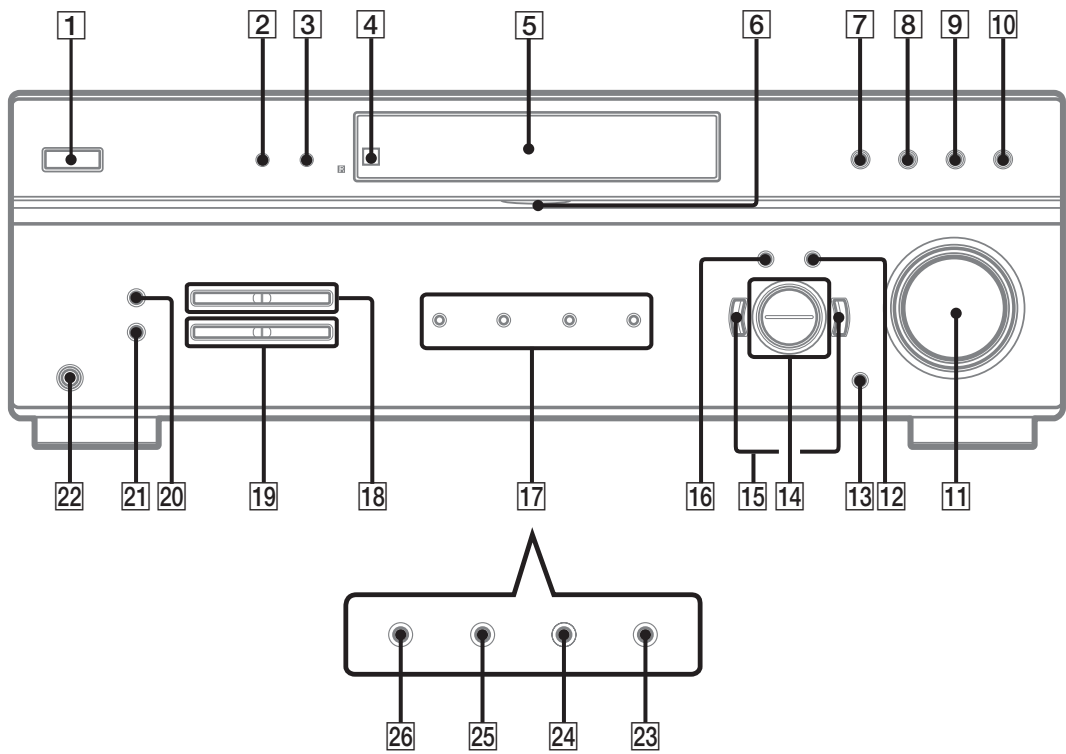
- A.F.D. (button/indicator) **8** (17, 18, 19, 30)
- AM **23** (13, 14)
- DIMMER **3** (15)
- DISPLAY **2** (15, 31)
- Display **5** (15)
- DVD **25** (13)
- ENTER **12** (10, 24)
- FM **24** (13, 14)
- FM MODE **21** (13)
- Input buttons **17** (13, 20, 23, 24)
- INPUT MODE **13** (20)
- IR (receptor) **4** (25, 31)

M - Z

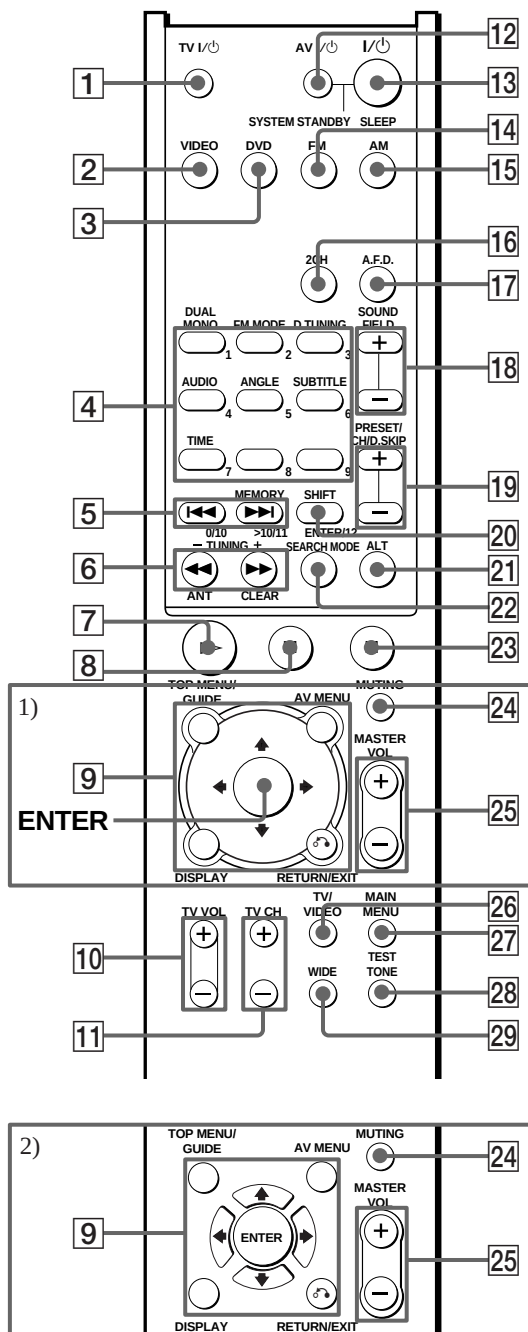
- MAIN MENU **16** (11, 20, 22, 24)
- MASTER VOLUME $\pm$ **11** (12, 13, 30)
- MEMORY **20** (14)
- MOVIE (button/indicator) **9** (18, 30)
- MULTI CHANNEL DECODING (indicator) **6** (13)
- MUSIC (button/indicator) **10** (19, 30)
- PHONES (jack) **22** (13, 16, 30)
- PRESET TUNING $\pm$ **18** (14, 33)
- TUNING $\pm$ **19** (13, 33)
- VIDEO **26** (13)

NUMBERS AND SYMBOLS

- 2CH (button/indicator) **7** (17, 19, 21)
- $\pm$ **14** (11, 20, 22, 24)
- $\lt/\gt$ **15** (11, 20, 22, 24)
- I/⏻ (power) **1** (10, 12, 33)



Remote button description



- 1) RM-U66
2) RM-U66A

The tables below show the settings of each button.

Remote Button	Operations	Function
A.F.D. [17]	Receiver	Selects the decoding mode for audio sound.
ALT [21]	Remote	When ALT button lights up, it changes the remote key function to activate those buttons with orange printing.
AM [15]	Receiver	To select the AM band.
ANGLE [4]	DVD player	Selects viewing angle or changes the angles.
ANT [6]	VCR	Selects output signal from the antenna terminal: TV signal or VCR program.
AUDIO [4]	VCR/ DVD player	Changes the sound to Multiplex or Bilingual.
AV MENU [9]	VCR/ DVD player	Displays menu.
AV I/⏻ [12]	VCR/ DVD player	Turns the audio and video components on or off.
CLEAR [6]	DVD player	Press if you make a mistake when you press the numeric button or press to return to continuous play etc.
DISPLAY [9]	VCR/ DVD player	Selects information displayed on the TV screen.
D.TUNING [4]	Receiver	Enters direct tuning mode.

Remote Button	Operations	Function
DUAL MONO [4]	Receiver	Selects the language you want during digital broadcast.
DVD [3]	Receiver	To watch DVD.
ENTER [9]	Receiver/ VCR/ DVD player	Enters the selection.
ENTER/12 [20]	VCR/ DVD player	Enters the selection.
FM [14]	Receiver	To select the FM band.
FM MODE [4]	Receiver	Selects FM monaural or stereo reception.
MAIN MENU [27]	Receiver	Selects the menu of the receiver.
MASTER VOL +/- [25]	Receiver	Adjusts the master volume of the receiver.
MEMORY [5]	Receiver	Stores the radio stations.
MUTING [24]	Receiver	Mutes the sound from the receiver.
PRESET/	Receiver	Selects preset stations.
CH/D.SKIP	VCR	Selects preset channel.
+/- [19]	DVD player	Skips discs (multi-disc changer only).
RETURN/ EXIT/  [9]	DVD player	Returns to the previous menu or exits the menu.
SEARCH MODE [22]	DVD player	Selects searching mode. Press to select the unit for search (track, index, etc.)

Remote Button	Operations	Function
SHIFT [20]	Receiver	Selects a memory page for presetting radio stations or tuning to preset stations.
SLEEP [13]	Receiver	Activates the sleep function and the duration which the receiver turns off automatically.
SOUND FIELD +/- [18]	Receiver	Selects sound fields.
SUBTITLE [4]	DVD player	Changes the subtitles.
SYSTEM STANDBY (Press AV  [12] and  [13] at the same time)	Receiver/ TV/VCR/ DVD player	Turns off the receiver and other Sony audio/video components.
TEST TONE [28]	Receiver	Outputs test tone.
TIME [4]	DVD player	Shows the time or displays the playing time of disc, etc.
TOP MENU/ GUIDE [9]	DVD player	Displays DVD title.
TUNING +/- [6]	Receiver	Scans radio stations.
TV CH +/- [11]	TV	Selects preset TV channels.

Remote Button	Operations	Function
TV/VIDEO 	TV	Selects input signal: TV input or video input.
TV VOL +/- 	TV	Adjusts the volume of the TV.
TV I/⏻ 	TV	Turns the TV on or off.
VIDEO 	Receiver	To watch VCR.
WIDE 	TV	Selects the wide picture mode.
I/⏻ 	Receiver	Turns the receiver on or off.
2CH 	Receiver	Selects 2CH STEREO mode.
⬆/⬇ 	Receiver	Selects a menu item.
⬅/➡ 	Receiver	Makes adjustment or change the setting.
⬆/⬇/⬅/➡ 	VCR/ DVD player	Selects a menu item. Press to enter the selection.
1-9  and 0/10 	Receiver	Use with SHIFT to preset radio station or tuning to preset stations and with D.TUNING for direct tuning.
	DVD player	Selects track numbers. 0/10 selects track 10.
	VCR	Selects channel numbers.
>10/11 	VCR	Selects channel 11.

Remote Button	Operations	Function
⏮/⏭ 	VCR/ DVD player	Skips tracks.
⏮/⏭ 	DVD player	Searches tracks in the forward or backward direction.
	VCR	Fastforwards or rewinds.
▶ 	VCR/ DVD player	Starts playback.
⏮ 	VCR/ DVD player	Pauses playback or record. (Also starts recording with components in recording standby.)
■ 	VCR/ DVD player	Stops playback.

Notes

- The above explanation is intended to serve as an example only. Therefore, depending on the component the above operation may not be possible or may operate differently than described.
- When you press input buttons (VIDEO or DVD), the input mode of the TV might not switch to the corresponding input mode that you want. In this case, press the TV/VIDEO button to switch the input mode of the TV.
- To activate the buttons with orange printing, press ALT first before pressing the buttons.

SECTION 2 TEST MODE

FACTORY PRESET MODE

- All preset contents are reset to the default setting.
- Procedure:
While depressing the **[MAIN MENU]** and the **[PRESET TUNING-]** buttons simultaneously, press the **[I/⏻]** button again. The message “FACTORY” appears and the present contents are reset to the default values.

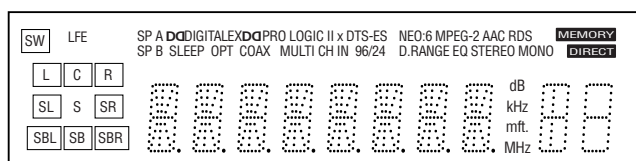
AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

- 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 **[I/⏻]** button to turn on the main power. Either the message “9 k STEP” or “10 k STEP” appears. Select the desired step.

FLUORESCENT INDICATOR TUBE TEST MODE

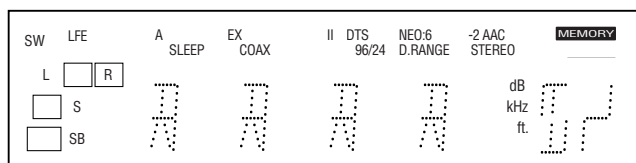
- All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.
- Procedure:
While depressing the **[MOVIE]** and the **[>]** buttons simultaneously, press the **[I/⏻]** button to turn on the main power.

- All segments turn on.



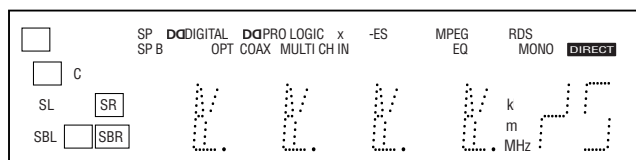
[2CH], **[A. F. D]**, **[MOVIE]**, **[MULTICHANNEL DECODING]** and **[MUSIC]** LED turn on.

- Press the **[VIDEO]** button, confirm display.



[A. F. D], **[MULTICHANNEL DECODING]** and **[MUSIC]** LED turn on.

- Press the **[VIDEO]** button, confirm display



[2CH] and **[MOVIE]** LED turn on.

- Press the **[VIDEO]** button, All segments and all LEDs turn off.
- Every pressing of the **[VIDEO]** button turns on each segment and LED one after another in the same order.

SOUND FIELD CLEAR MODE

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

SOFTWARE VERSION DISPLAY MODE

- The software version is displayed.
- Procedure:
While depressing the **[FM MODE]** and the **[DISPLAY]** buttons simultaneously, press the **[I/⏻]** button to turn on the main power. The model name, destination and the software version are displayed.

KEY CHECK MODE

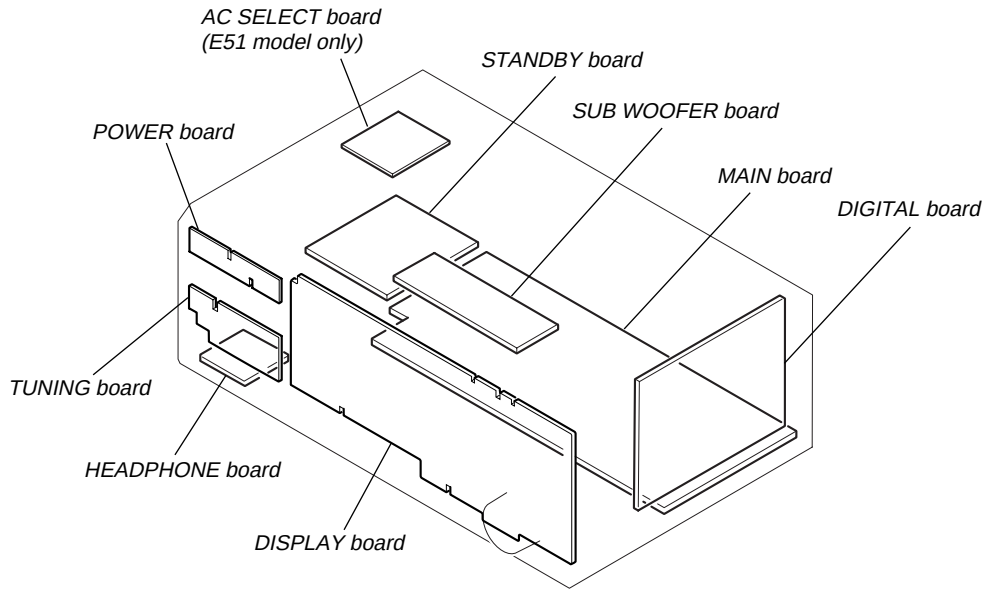
- Button check
- Procedure:
While depressing the **[A. F. D]** and the **[AM]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power. “REST 23” appears. Every pressing of any button other than **[I/⏻]** counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed “REST 00” appears.

COMMAND MODE SELECTION MODE

- The command mode (AV1 or AV2) of the remote commander can be selected.
- Procedure:
1. While depressing the **[ENTER]** button, press the **[I/⏻]** button to turn on the main power.
2. The message “C.MODE.AV 1” or “C.MODE.AV 2” appears for a moment. Select the desired mode.

SECTION 3
DIAGRAMS

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

Note:

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

Note:

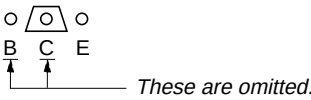
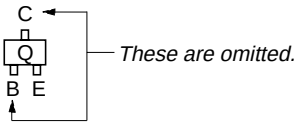
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. No mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 - : FM
 - : ANALOG INPUT
 - : DIGITAL INPUT
- Abbreviation
 - CND : Canadian model
 - E51 : Chilean and Peruvian models
 - MX : Mexican model

For Printed Wiring Boards.

Note:

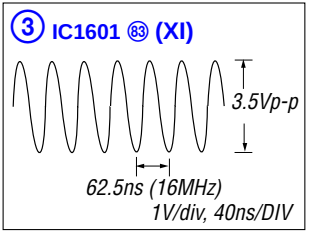
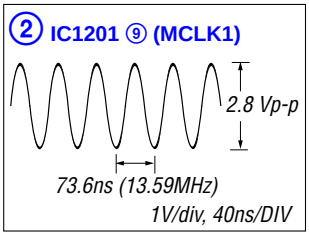
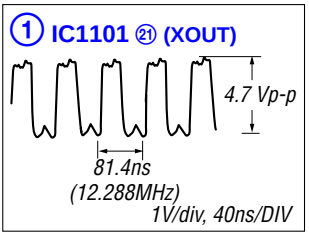
- : parts extracted from the component side.
- : Through hole.
- : internal component.
- : Pattern from the side which enables seeing.



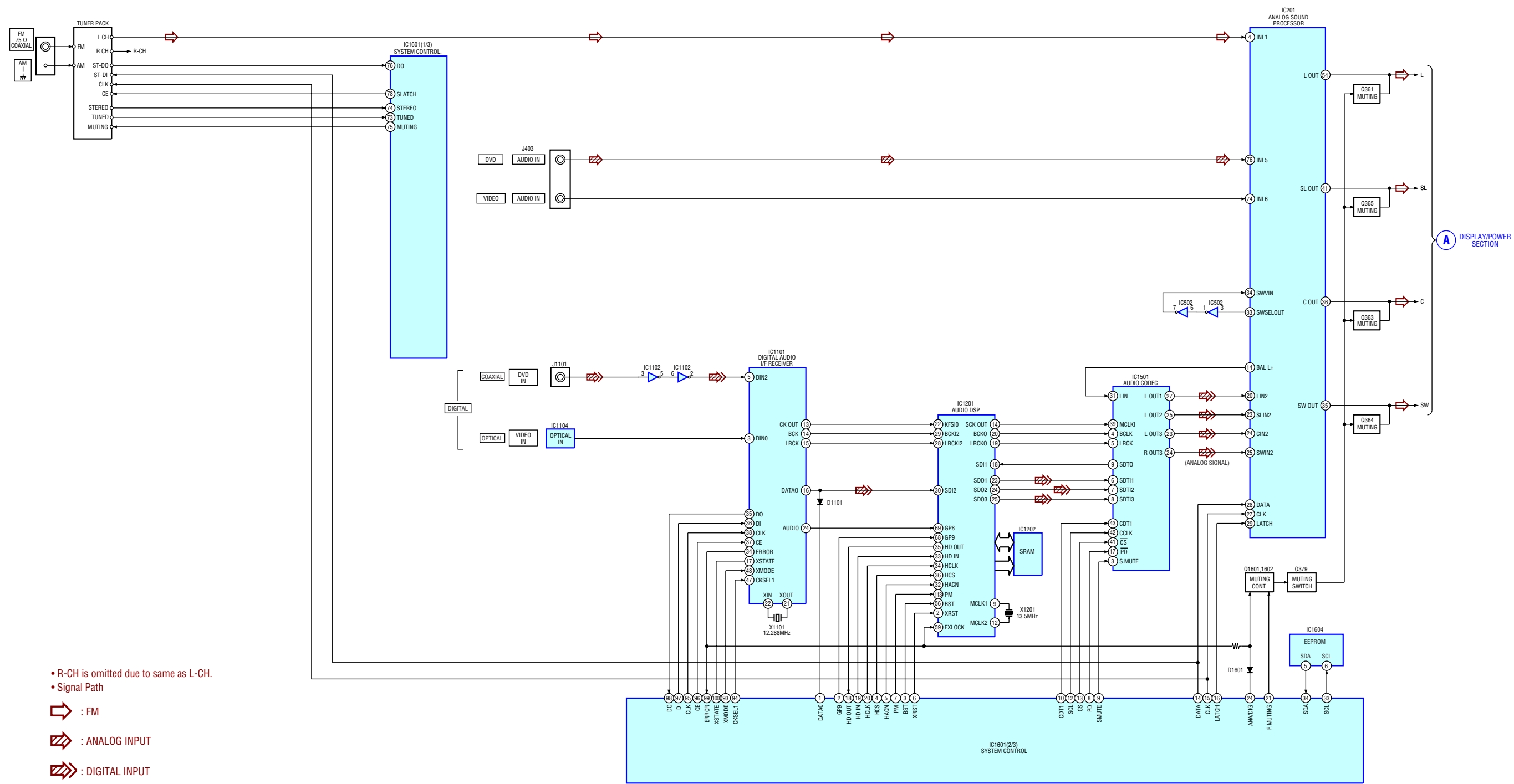
Caution:
Pattern face side: Parts on the pattern face side seen from (Side A) the pattern face are indicated.
Parts face side: Parts on the parts face side seen from (Side B) the parts face are indicated.

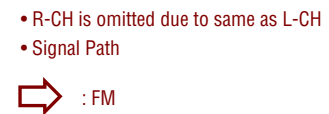
• Waveforms

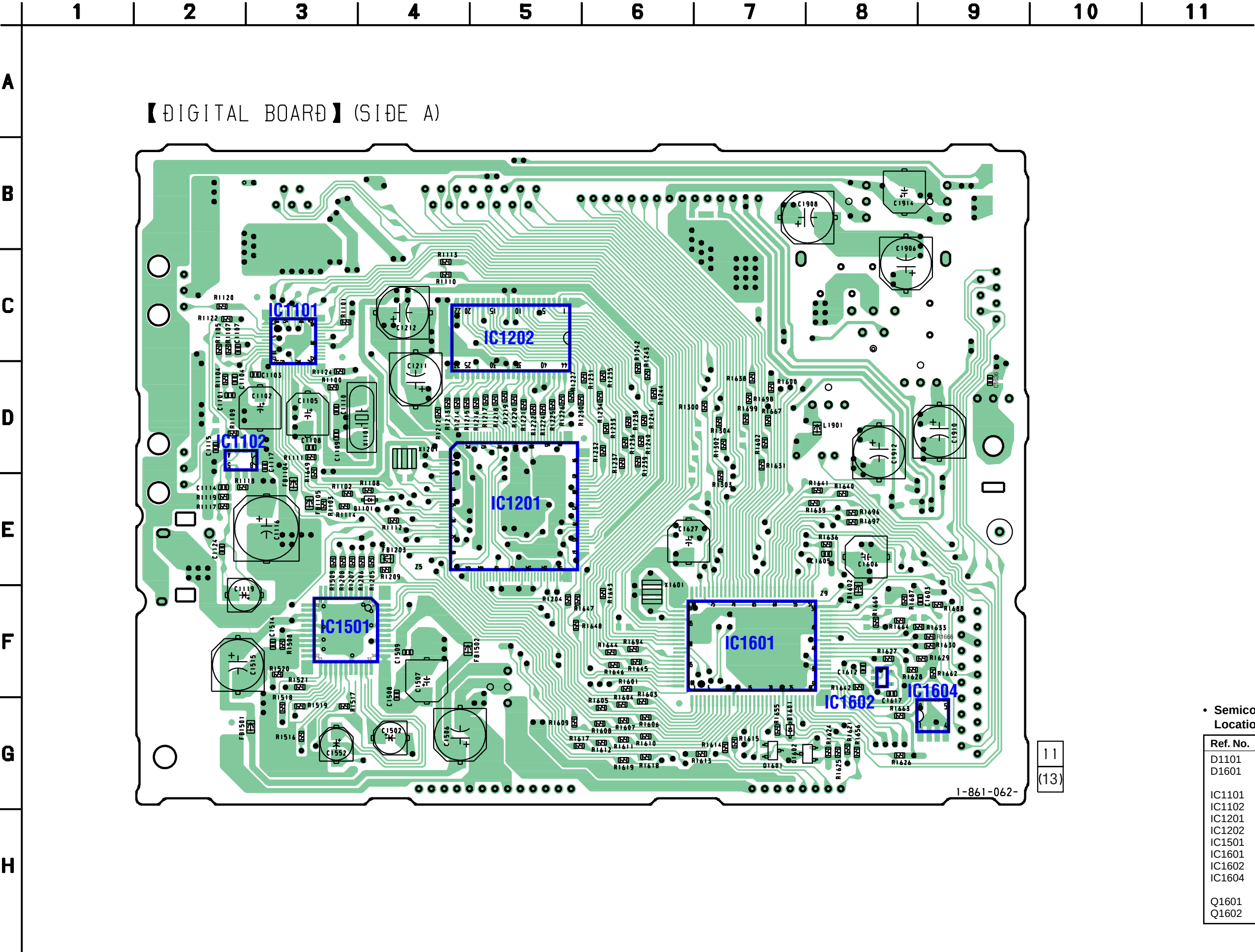
– DIGITAL Board –



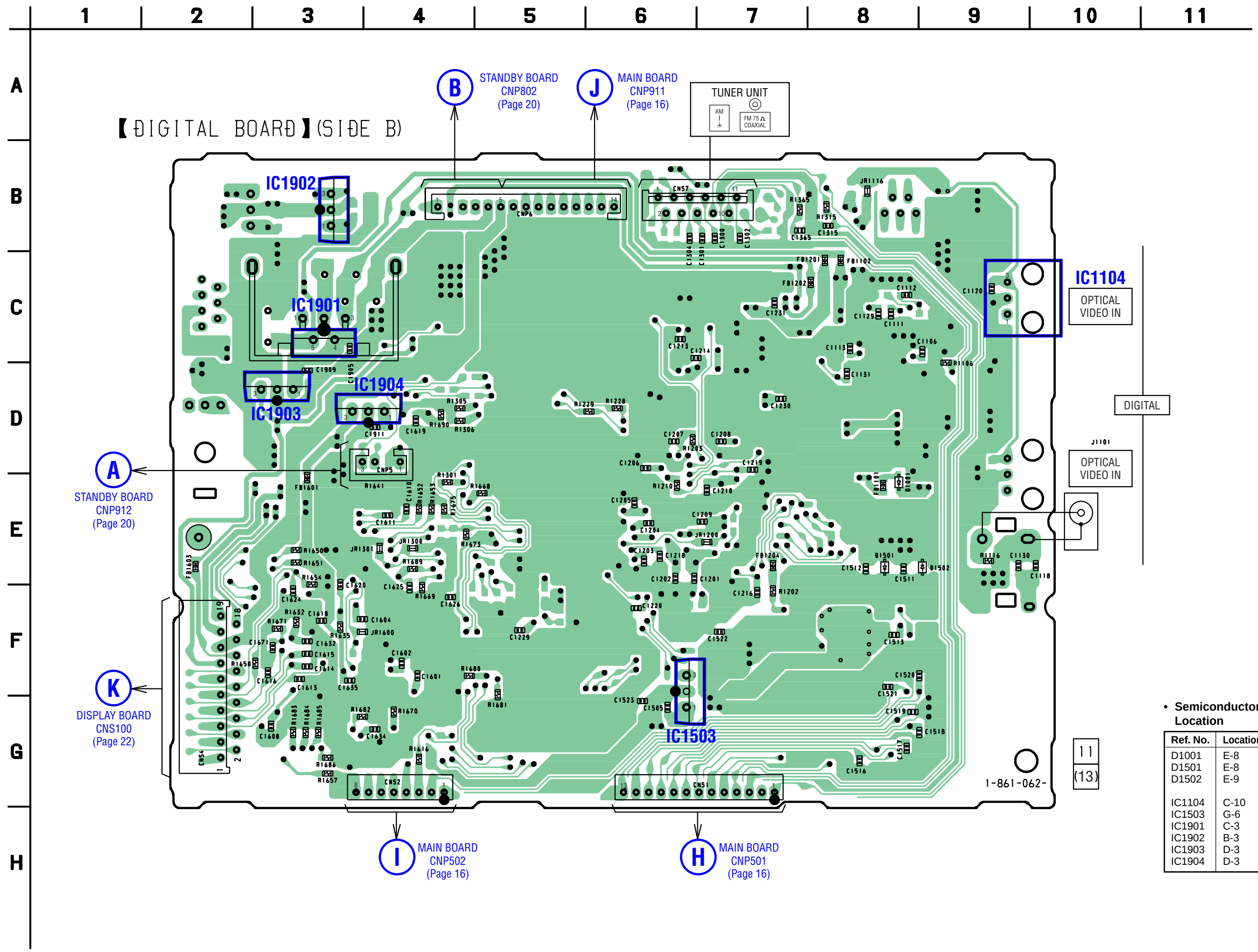
3-1. BLOCK DIAGRAMS — MAIN SECTION —





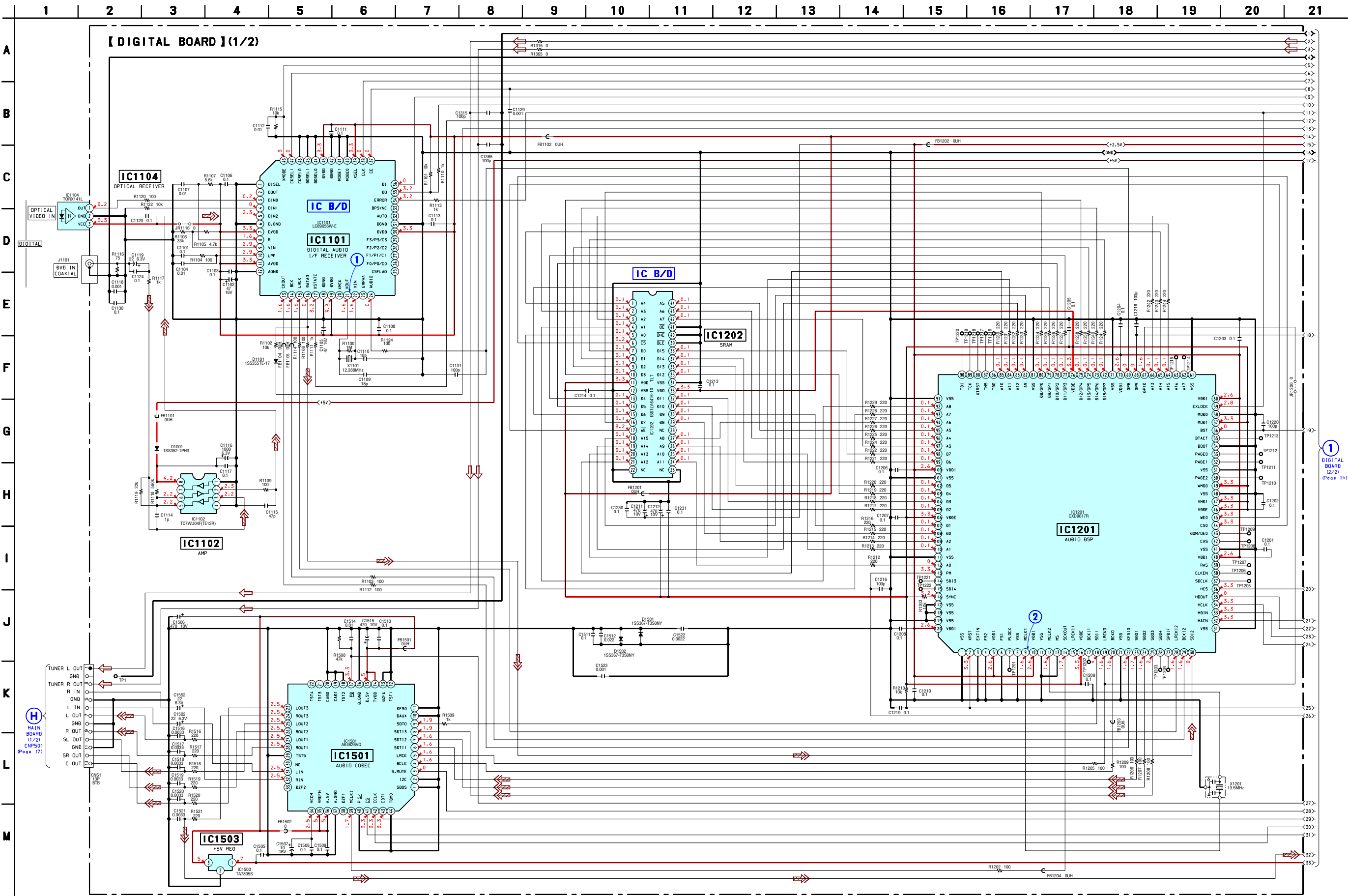


3-3. PRINTED WIRING BOARD — DIGITAL BOARD (SIDE B) — • See page 9 for Circuit Boards Location. :Uses unleaded solder.

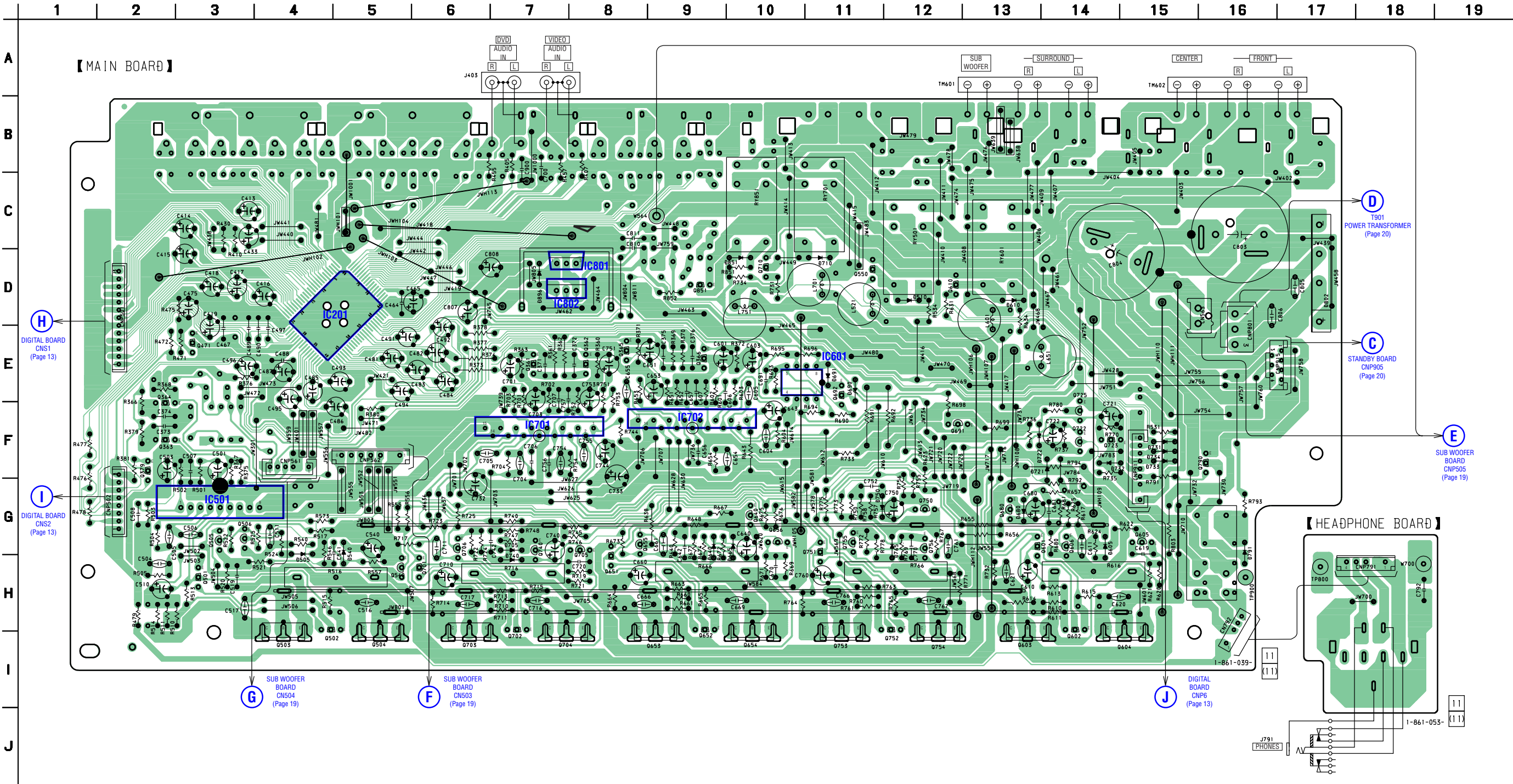


• Semiconductor Location

Ref. No.	Location
D1001	E-8
D1501	E-8
D1502	E-9
IC1104	C-10
IC1503	G-6
IC1901	C-3
IC1902	B-3
IC1903	D-3
IC1904	D-3



3-6. PRINTED WIRING BOARD — MAIN SECTION — • See page 9 for Circuit Boards Location. :Uses unleaded solder.

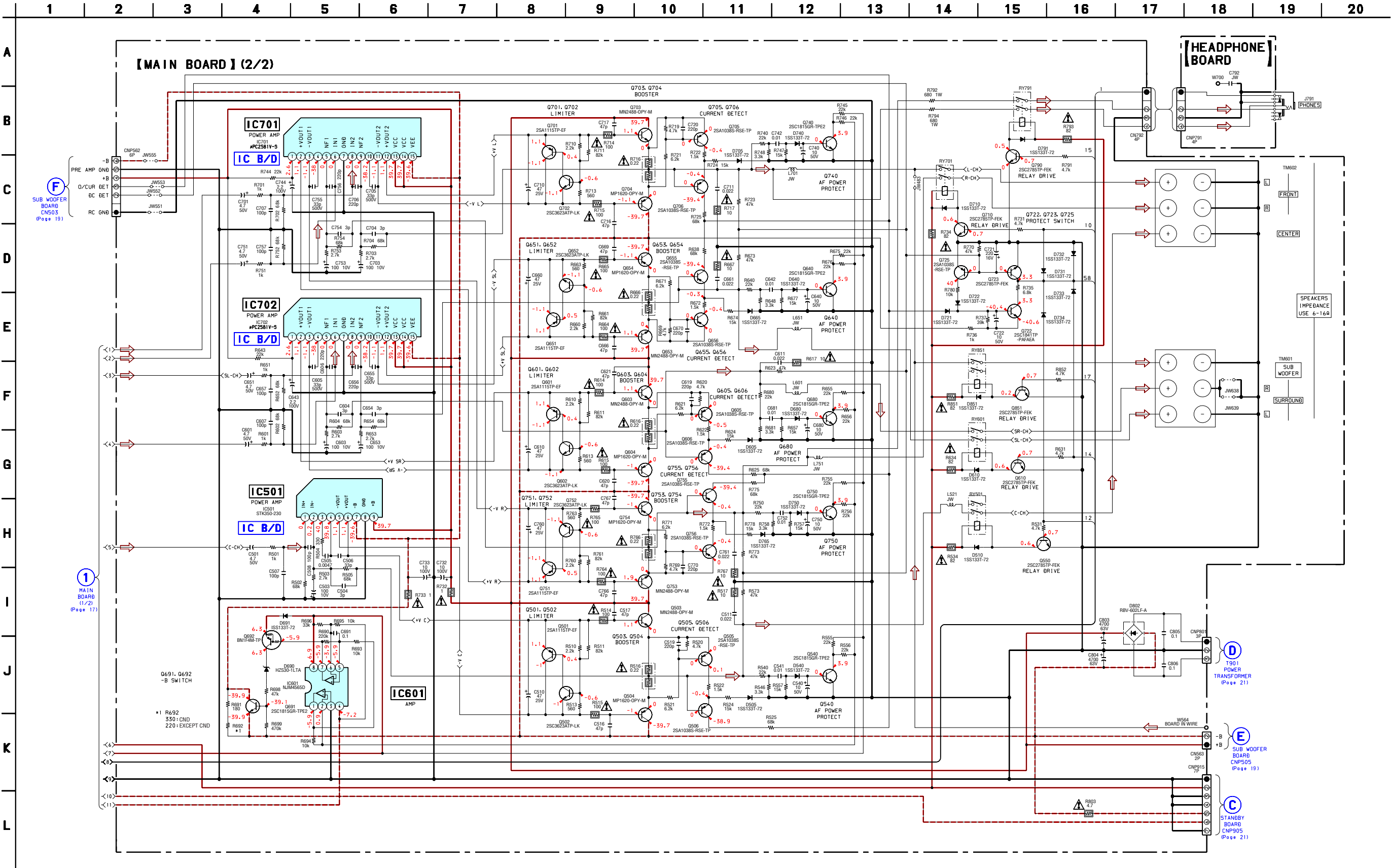


• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	H-4	D732	F-15	IC702	F-9	Q504	I-5	Q653	I-8	Q723	F-15
D510	D-12	D733	F-15	IC801	D-8	Q505	G-3	Q654	I-10	Q725	E-14
D540	H-5	D734	F-15	IC802	D-7	Q506	G-3	Q655	G-8	Q740	H-7
D605	G-14	D740	H-7			Q540	H-5	Q656	G-10	Q750	G-12
D610	D-13	D750	G-12	Q361	E-7	Q550	D-11	Q680	G-13	Q751	G-11
D640	G-9	D765	G-12	Q362	E-8	Q601	G-13	Q691	F-13	Q752	I-12
D665	G-10	D791	G-16	Q363	F-2	Q602	I-14	Q692	F-11	Q753	I-11
D680	G-13	D802	D-17	Q364	E-2	Q603	I-13	Q701	H-6	Q754	I-13
D690	E-11	D851	D-10	Q365	E-8	Q604	I-15	Q702	I-7	Q755	G-11
D691	E-11	D896	D-7	Q366	E-9	Q605	G-15	Q703	I-6	Q756	G-12
D705	G-7			Q379	F-2	Q606	G-14	Q704	I-7	Q790	F-16
D710	D-11	IC201	D-4	Q471	E-3	Q610	D-12	Q705	H-8	Q851	D-9
D721	F-13	IC501	G-3	Q501	H-3	Q640	G-10	Q706	G-6		
D722	F-13	IC601	E-11	Q502	I-4	Q651	H-8	Q710	D-10		
D731	F-15	IC701	F-7	Q503	I-4	Q652	I-9	Q722	F-14		

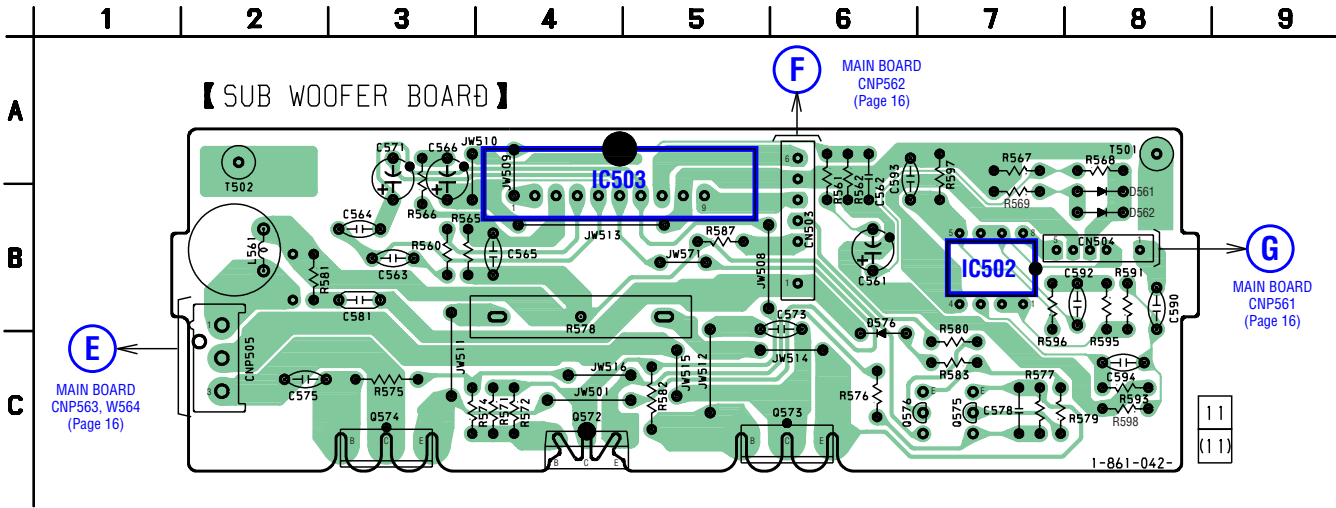
17





3-9. PRINTED WIRING BOARD — SUB WOOFER BOARD — • See page 9 for Circuit Boards Location.

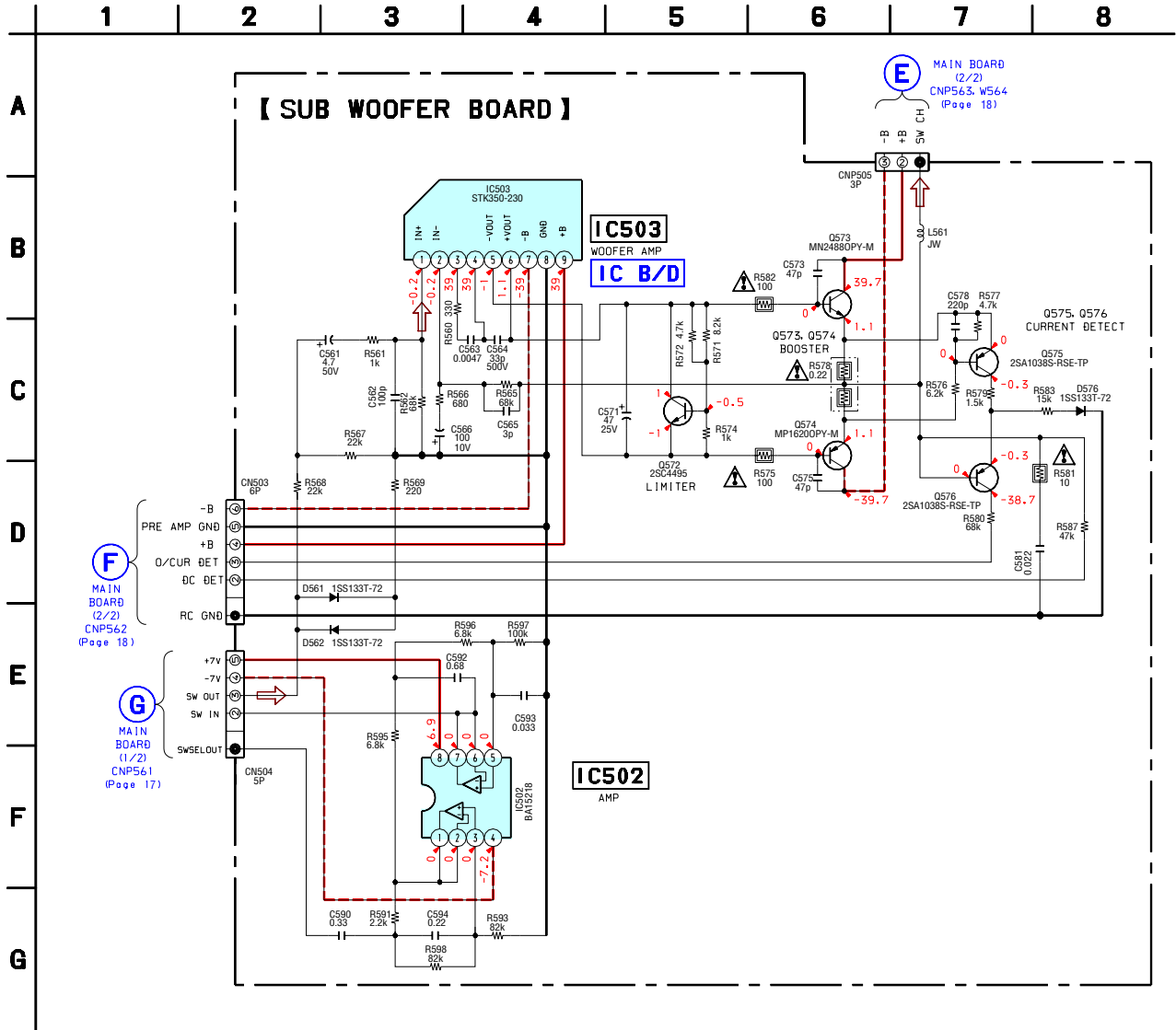
 :Uses unleaded solder.

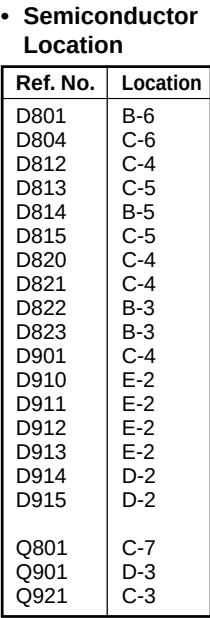


• Semiconductor Location

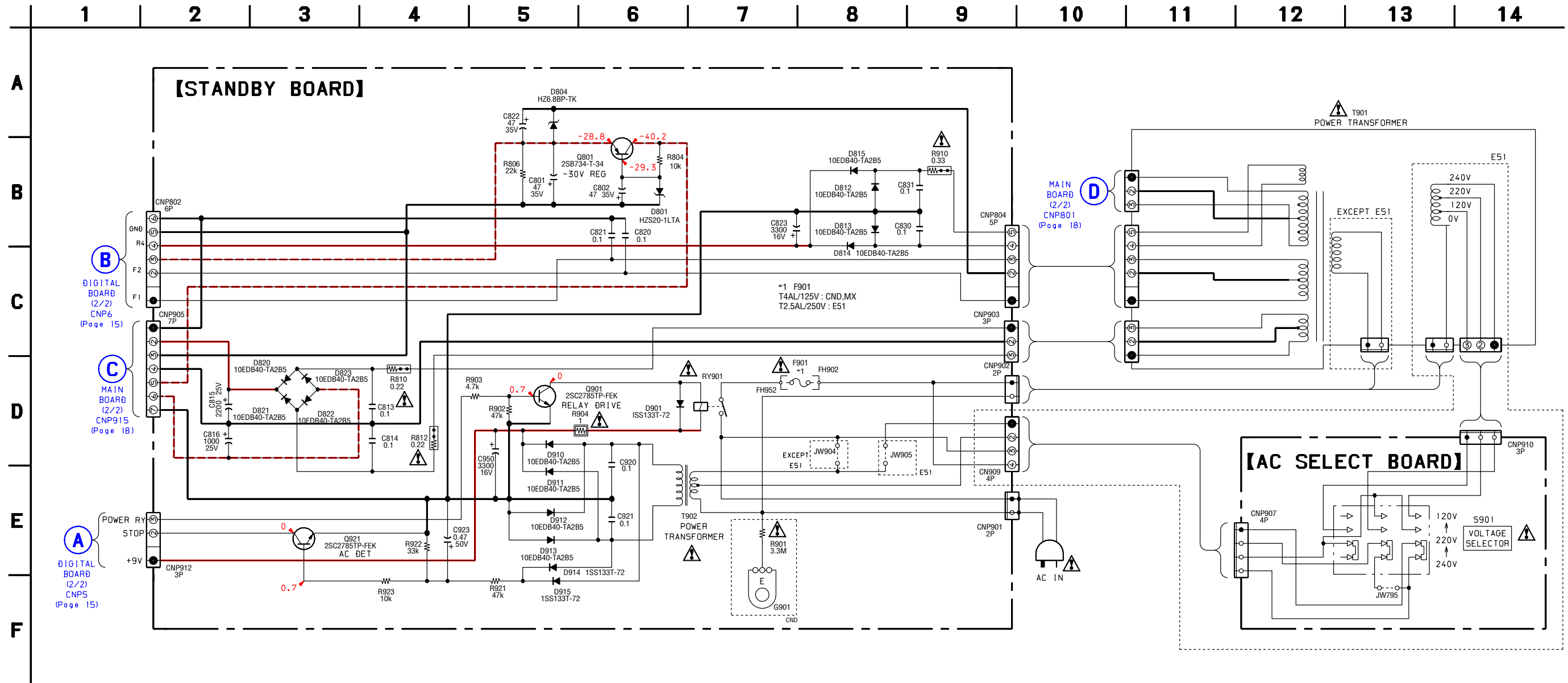
Ref. No.	Location
D561	B-8
D562	B-8
D576	B-6
IC502	B-7
IC503	A-4
Q572	C-4
Q573	C-6
Q574	C-3
Q575	C-7
Q576	C-6

3-10. SCHEMATIC DIAGRAM — SUB WOOFER BOARD — • See page 26 for IC Block Diagrams.

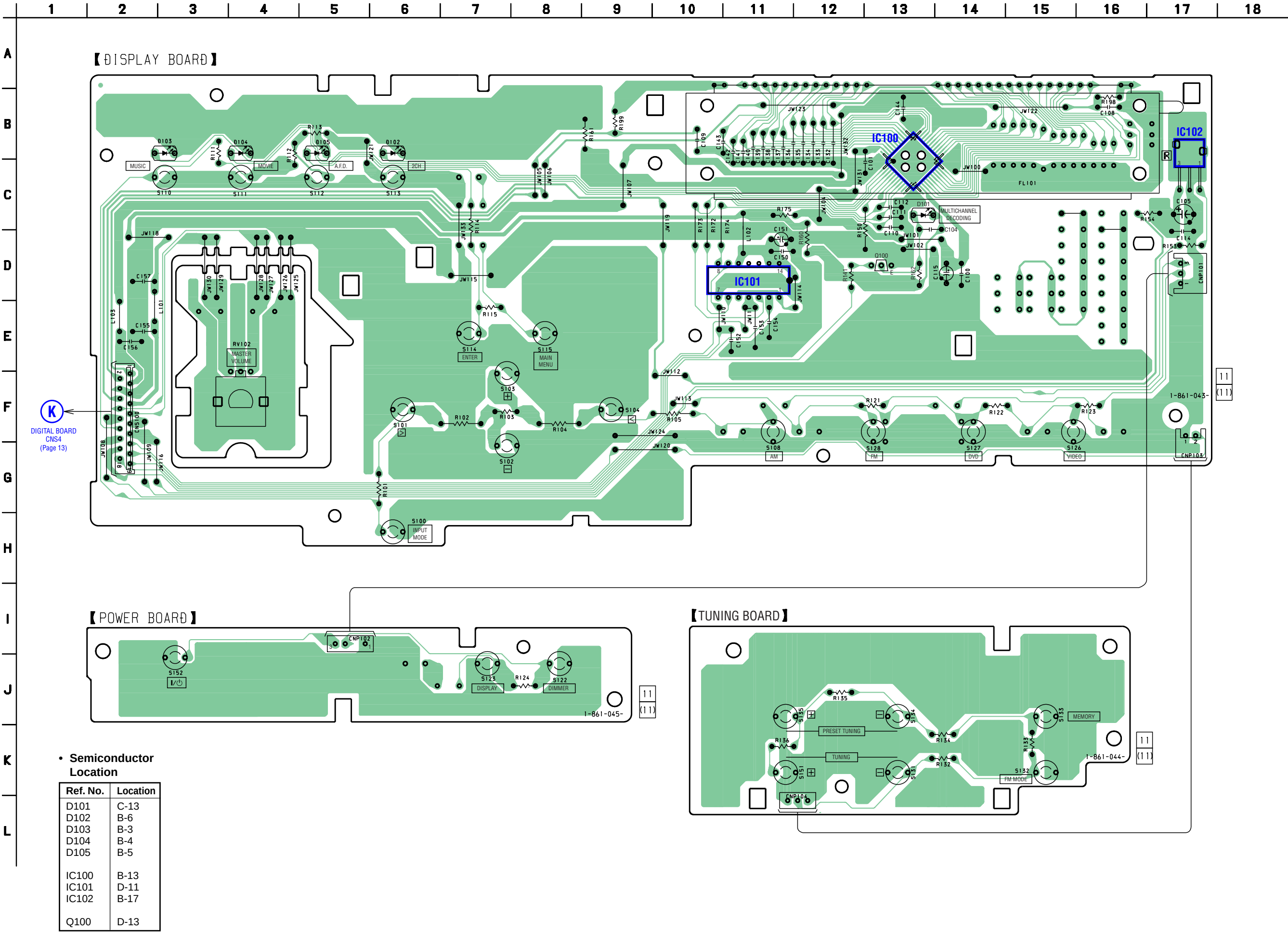




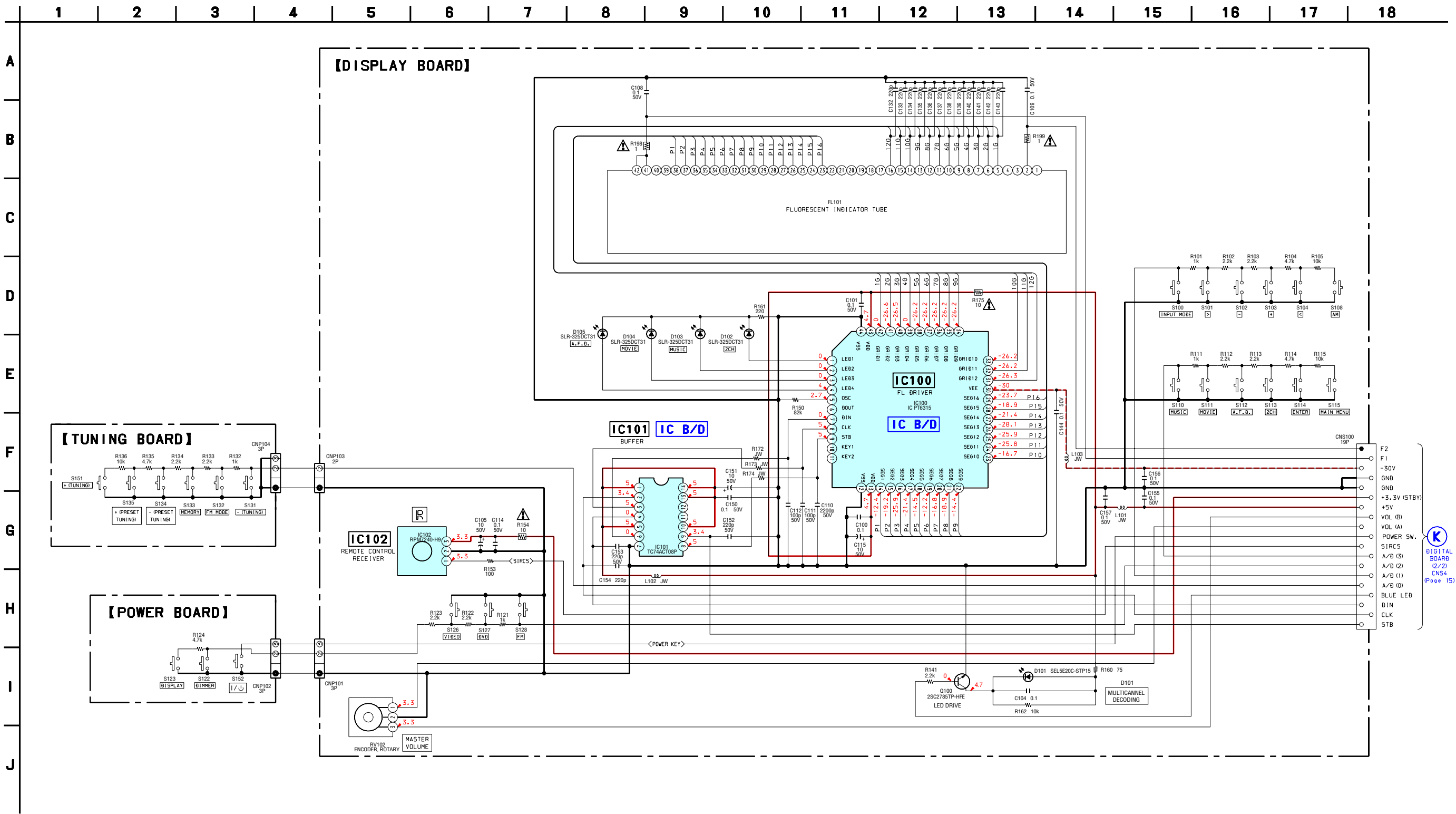
3-12. SCHEMATIC DIAGRAM — POWER SECTION —



3-13. PRINTED WIRING BOARD — FRONT PANEL SECTION — • See page 9 for Circuit Boards Location.  :Uses unleaded solder.

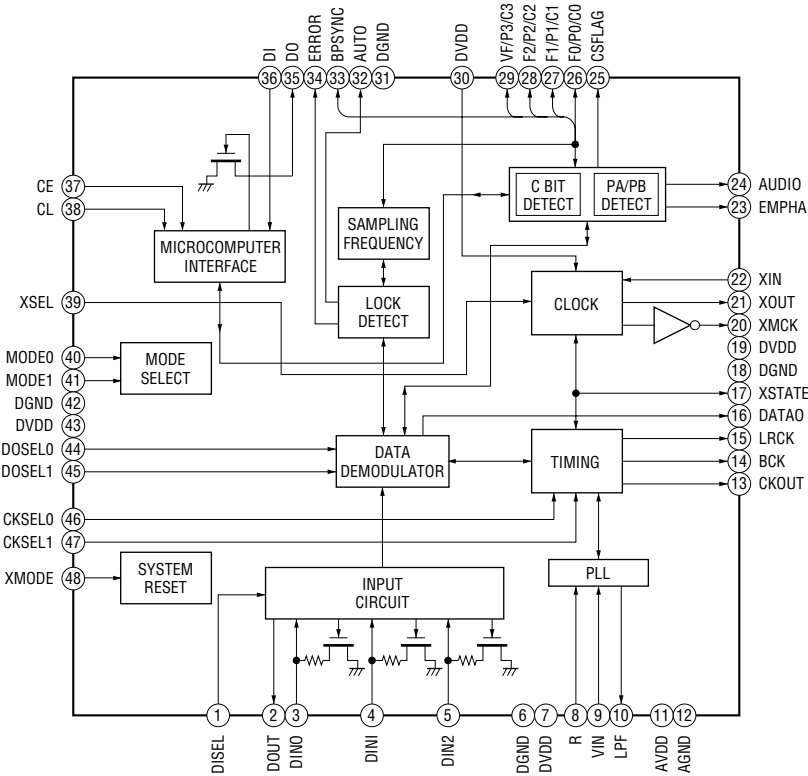


3-14. SCHEMATIC DIAGRAM — FRONT PANEL SECTION — • See page 25 for IC Block Diagrams.

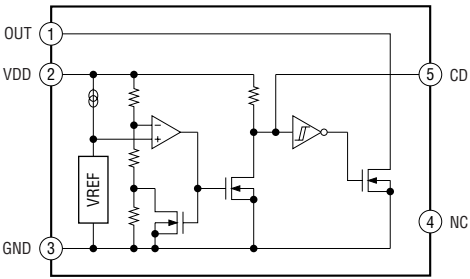


• IC Block Diagrams

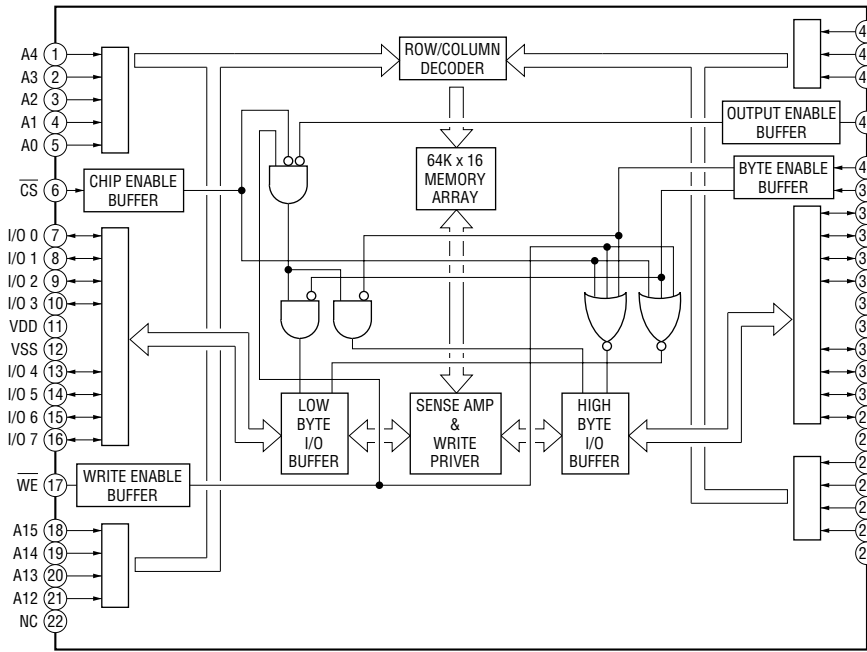
IC1101 LC89056W-E (DIGITAL BOARD)



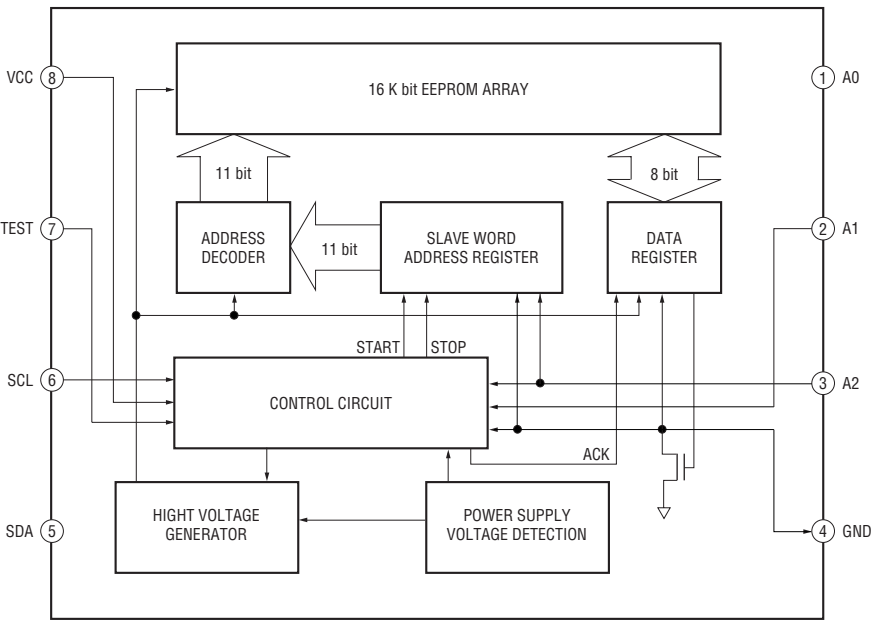
IC1602 PST3629NR (DIGITAL BOARD)



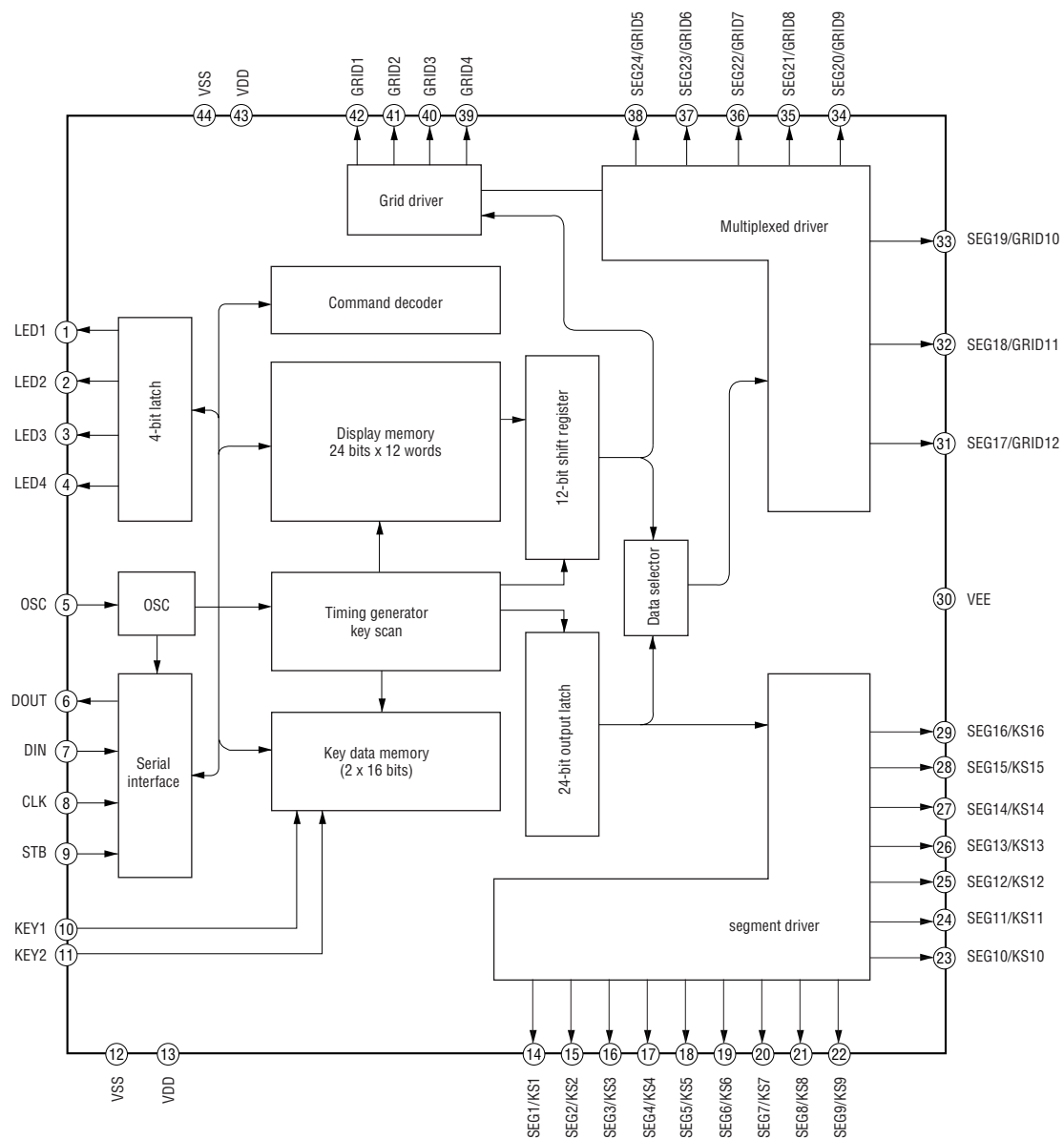
IC1202 IS61LV6416-10TLT (DIGITAL BOARD)



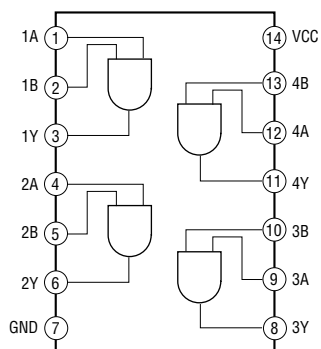
IC1604 BR24L16F-WE2 (DIGITAL BOARD)



IC100 PT6315 (DISPLAY BOARD)



IC101 TC74ACT08P (DISPLAY BOARD)



The pin diagram for the ADXL345 shows 28 pins. The top row of pins (1-14) includes INR3, INL2, INR2, INL1, INR1, GND, CIN1, SWIN1, SRIN1, SLIN1, LIN1, RIN1, GND, and BALANCE L+. The bottom row of pins (15-28) includes BALANCE L-, GND, BALANCE R+, BALANCE R-, GND, LIN2, RIN2, SRIN2, SLIN2, CIN2, SWIN2, DGND, CLOCK, DATA, LATCH, DVDD, AVCC, GND, and SWSELOUT. The diagram illustrates the internal circuitry, including the ADC, DAC, and various control logic blocks, and shows how they are connected to the external pins.

- IC Pin Function Description

DIGITAL BOARD IC1601 MB90478PF-G-170-BNDE1 (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 terminal
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	SPK B RELAY	O	Speaker B relay control signal output
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 MUTE	O	Muting signal output to the power amplifier
23	VCC5	—	Power supply
24	ANA/DIG	O	Muting and error signal output
25	HP DETECT	I	Headphone switch detect signal input
26	NC	—	Short to ground terminal
27	FLASH2	O	Terminal for FLASH programming
28	FLASH1	I/O	Terminal for FLASH programming
29	NC	—	Short to ground terminal
30	NC	—	Short to ground terminal
31	NC	—	Short to ground terminal
32	NC	—	Short to ground terminal
33	SCL	O	Serial clock output
34	SDA	I/O	Serial data input or output
35	AVCC	—	Analog power supply
36	AVRH	I	Analog reference voltage input
37	AVSS	—	Analog ground terminal
38	A/D0	I	Function key push signal input
39	A/D1	I	Function key push signal input
40	A/D2	I	Function key push signal input
41	A/D3	I	Function key push signal input
42	VSS	—	Ground terminal
43	RDS SIGNAL	I	RDS signal detect input
44	MODEL	I	Version setting input (MODEL)
45	VERSION	I	Version setting input (DESTINATION)
46	BLUE LED	O	MULTICHANNEL DECODING LED control signal output
47	CRYSTAL SEL	—	Short to ground terminal

Pin No.	Pin Name	I/O	Description
48	STOP	I	AC off detect signal input
49	MD0	I	Operation mode setting input
50	MD1	I	Operation mode setting input
51	MD2	I	Operation mode setting input
52	RDS CLOCK	I	RDS clock signal input (Not used)
53	RDS DATA	I	RDS data signal input (Not used)
54	SIRCS	I	Data signal input from the remote control sensor
55	FUSE DETECT	I	Fuse detect signal input
56	POWER KEY	I	Power switch key detect signal input
57	JOG (B)	I	Jog dial signal input from the rotary encoder
58	JOG (A)	I	Jog dial signal input from the rotary encoder
59	VOL (B)	I	Jog dial signal input from the rotary encoder
60	VOL (A)	I	Jog dial 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	FL STB	O	Strobe signal output to the FL tube driver
64	NC	—	Short to ground terminal
65	POWER RELAY	O	Power relay control signal output
66	PROTECTOR	I	Protector status detect signal input
67	HEADPHONE RELAY	O	Headphone relay control signal output
68	WOOFER RELAY	O	Woofer relay control signal output
69	REAR RELAY	O	Rear speaker relay control signal output
70	CENTRE RELAY	O	Centre speaker relay control signal output
71	PREOUT/FRONT RELAY	O	Front speaker relay control signal output
72	R1 RELAY	O	Bridgeable relay control
73	TUNED	I	Tuning a frequency signal input from the tuner
74	STEREO	I	Stereo tuning signal input from the tuner
75	MUTE	O	Muting signal output to the tuner
76	DO	I	Frequency data signal input from the tuner
77	RSTX	I	System reset
78	SLATCH	O	Latch signal output to the tuner
79	X1A	—	Not used
80	X0A	—	Ground terminal
81	VSS	—	Ground terminal
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	VCC3	—	Power supply
85	REMOTE SEL	—	Short to ground terminal
86	NC	O	Not used
87	SW4	O	Video select control signal output (Not used)
88	SW3	O	Video select control signal output (Not used)
89	SW2	O	Video select control signal output (Not used)
90	SW1	O	Video select control signal output (Not used)
91	NC	—	Short to ground terminal
92	NC	—	Short to ground terminal
93	XMODE	O	Reset signal output to DIR
94	CKSEL 1	O	CKSEL control signal to DIR

Pin No.	Pin Name	I/O	Description
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

SECTION 4
EXPLODED VIEWS

NOTE:

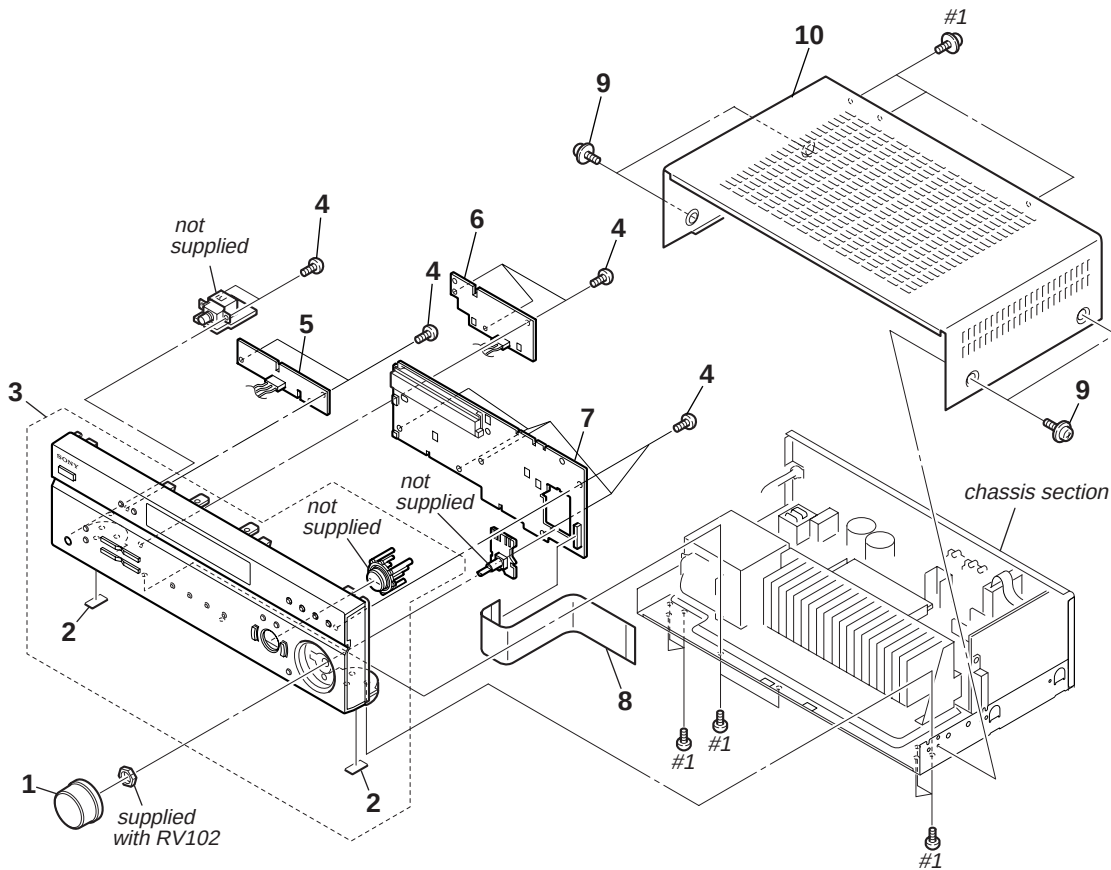
- XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
CND : Canadian model
E51 : Chilean and Peruvian models
MX : Mexican model

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

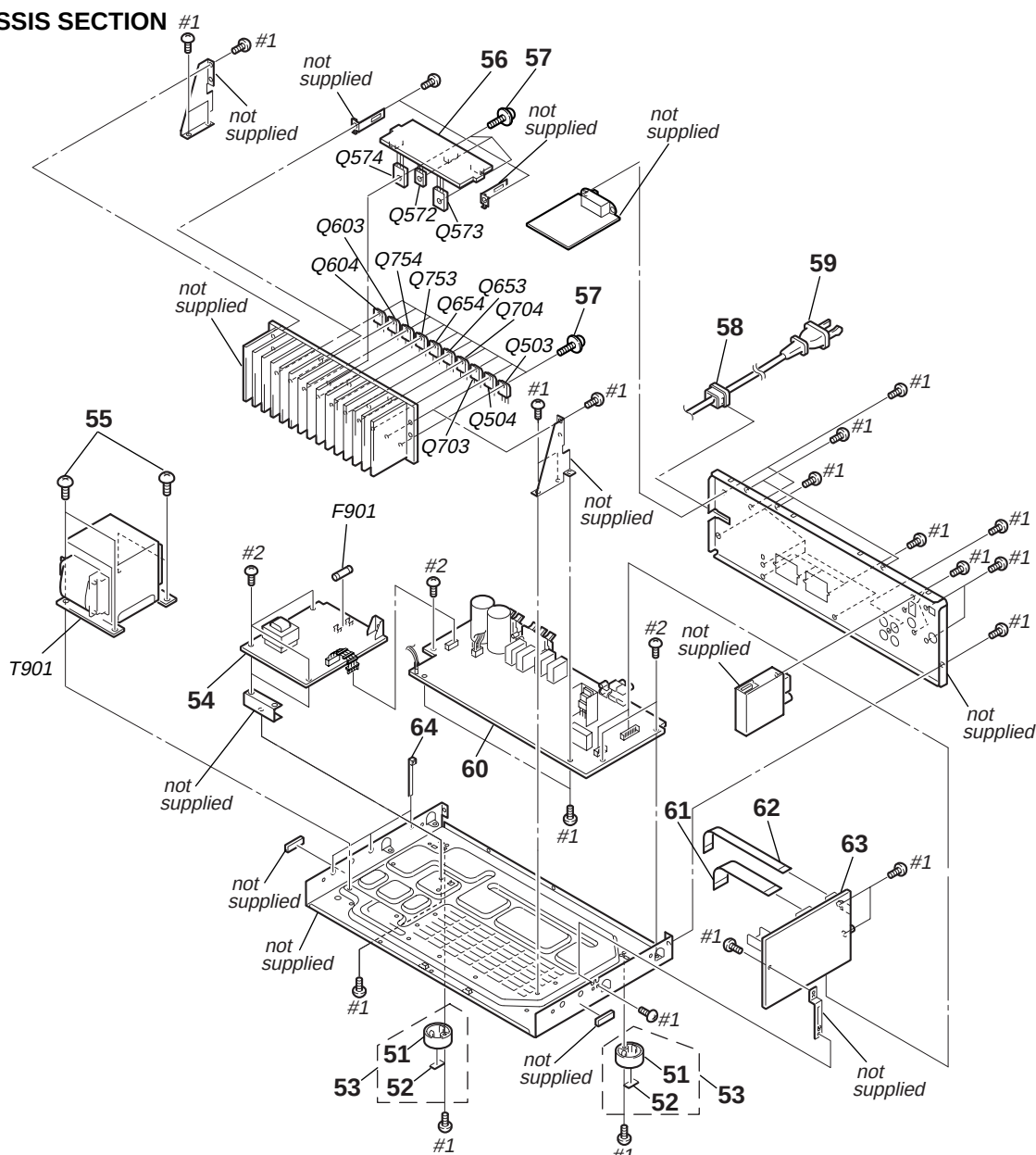
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-232-113-12	Knob (VOL)		7	A-4752-697-A	Display Board, Complete	
2	4-977-358-01	Cushion		8	1-773-114-11	Wire (Flat Type)(19 Core)	
3	X-4956-135-1	Front Panel Assy		9	4-210-291-11	Screw (Case 3 TP2)	
4	4-951-620-01	Screw (2.6X8), +BVTP		10	4-245-939-21	Case (E51, MX)	
5	1-861-045-11	Power Board		10	4-248-479-21	Case (CND)	
6	1-861-044-11	Tuning Board		#1	7-685-646-79	Screw +BVTP 3X8 Type2 IT-3	

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-232-237-01	FOOT (DIA. 30)		△F901	1-533-452-11	FUSE, GLASS TUBE (DIA. 5) T4.0AL/125V (CND, MX)	
52	4-977-358-01	CUSHION					
53	X-4953-448-1	FOOT ASSY		Q503	8-749-010-25	IC MN2488-OPY-M	
54	A-4750-423-A	STANDBY BOARD, COMPLETE (E51)		Q504	8-749-010-26	IC MP1620-OPY-M	
54	A-4750-427-A	STANDBY BOARD, COMPLETE (MX)		Q572	8-729-026-08	TRANSISTOR 2SC4495	
				Q573	8-749-010-25	IC MN2488-OPY-M	
54	A-4750-608-A	STANDBY BOARD, COMPLETE (CND)		Q574	8-749-010-26	IC MP1620-OPY-M	
55	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q603	8-749-010-25	IC MN2488-OPY-M	
56	A-4750-417-A	SUB WOOFER BOARD, COMPLETE		Q604	8-749-010-26	IC MP1620-OPY-M	
57	3-905-609-01	SCREW (TRANSISTOR)		Q653	8-749-010-25	IC MN2488-OPY-M	
* 58	3-703-244-00	BUSHING (2104), CORD		Q654	8-749-010-26	IC MP1620-OPY-M	
△ 59	1-777-071-23	CORD, POWER (E51)		Q703	8-749-010-25	IC MN2488-OPY-M	
△ 59	1-783-532-11	CORD, POWER (CND, MX)		Q704	8-749-010-26	IC MP1620-OPY-M	
60	A-4750-415-A	MAIN BOARD, COMPLETE (CND)		Q753	8-749-010-25	IC MN2488-OPY-M	
60	A-4752-121-A	MAIN BOARD, COMPLETE (E51, MX)		Q754	8-749-010-26	IC MP1620-OPY-M	
61	1-769-937-11	WIRE (FLAT TYPE)(11 CORE)		△T901	1-443-185-11	POWER TRANSFORMER (CND, MX)	
62	1-575-662-31	WIRE (FLAT TYPE)(5 CORE)		△T901	1-443-186-11	POWER TRANSFORMER (E51)	
63	A-4752-131-A	DIGITAL BOARD, COMPLETE (MX)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
63	A-4752-698-A	DIGITAL BOARD, COMPLETE (CND)		#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
63	A-4752-833-A	DIGITAL BOARD, COMPLETE (E51)					
64	3-701-748-00	CLAMP					
△F901	1-532-464-32	FUSE T2.5AL/250V (E51)					

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.

AC SELECT

DIGITAL

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
 - -XX and -X mean standardized parts, so they may have some difference from the original one.
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - COILS
uH: μ H
 - CAPACITORS
uF: μ F
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
 - SEMICONDUCTORS
In each case, u: μ , for example:
uA. . : μ A. . , uPA. . , μ PA. . ,
uPB. . , μ PB. . , uPC. . , μ PC. . ,
uPD. . , μ PD. .
 - Abbreviation
CND : Canadian model
E51 : Chilean and Peruvian models
MX : Mexican model

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

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		AC SELECT BOARD (E51)					

		< CONNECTOR >					
	CNP907	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P	C1202	1-164-156-11	CERAMIC CHIP 0.1uF	25V
*	CNP910	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P	C1203	1-164-156-11	CERAMIC CHIP 0.1uF	25V
		< SWITCH >		C1204	1-164-156-11	CERAMIC CHIP 0.1uF	25V
$\triangle$	S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)	C1205	1-164-156-11	CERAMIC CHIP 0.1uF	25V
		*****		C1206	1-164-156-11	CERAMIC CHIP 0.1uF	25V
	A-4752-131-A	DIGITAL BO ARD, COMPLETE (MX)		C1207	1-164-156-11	CERAMIC CHIP 0.1uF	25V
	A-4752-698-A	DIGITAL BOARD, COMPLETE (CND)		C1208	1-164-156-11	CERAMIC CHIP 0.1uF	25V
	A-4752-833-A	DIGITAL BOARD, COMPLETE (E51)		C1209	1-164-156-11	CERAMIC CHIP 0.1uF	25V
		*****		C1210	1-164-156-11	CERAMIC CHIP 0.1uF	25V
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		C1211	1-128-396-11	ELECT CHIP 470uF	20% 10V
		< CAPACITOR >		C1212	1-128-396-11	ELECT CHIP 470uF	20% 10V
C1101	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1213	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1102	1-126-204-11	ELECT CHIP 47uF	20% 16V	C1214	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1103	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1216	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1104	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1218	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1105	1-126-204-11	ELECT CHIP 47uF	20% 16V	C1219	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1106	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1220	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1107	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1229	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1108	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1230	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1109	1-162-918-11	CERAMIC CHIP 18PF	5% 50V	C1231	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1110	1-162-918-11	CERAMIC CHIP 18PF	5% 50V	C1300	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1111	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1301	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1112	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1302	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1113	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1304	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1114	1-162-905-11	CERAMIC CHIP 1PF	0.25PF 50V	C1315	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1115	1-162-923-11	CERAMIC CHIP 47PF	5% 50V	C1365	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1116	1-110-530-11	ELECT CHIP 1000uF	20% 6.3V	C1502	1-124-778-00	ELECT CHIP 22uF	20% 6.3V
C1117	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1505	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1118	1-115-416-11	CERAMIC CHIP 0.001uF	5% 25V	C1506	1-128-396-11	ELECT CHIP 470uF	20% 10V
C1119	1-124-778-00	ELECT CHIP 22uF	20% 6.3V	C1507	1-124-779-00	ELECT CHIP 10uF	20% 16V
C1120	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1508	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1124	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1509	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1129	1-115-416-11	CERAMIC CHIP 0.001uF	5% 25V	C1511	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1130	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1512	1-162-995-11	CERAMIC CHIP 0.022uF	50V
C1131	1-162-927-11	CERAMIC CHIP 100PF	5% 50V	C1513	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1201	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1514	1-162-974-11	CERAMIC CHIP 0.01uF	50V
				C1515	1-128-396-11	ELECT CHIP 470uF	20% 10V
				C1516	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V
				C1517	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V
				C1518	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V
				C1519	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V
				C1520	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V
				C1521	1-162-967-11	CERAMIC CHIP 0.0033uF	10% 50V
				C1522	1-162-966-11	CERAMIC CHIP 0.0022uF	10% 50V

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C1523	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	FB1102	1-469-727-21	FERRITE, EMI (SMD) (2012)			
C1552	1-124-778-00	ELECT CHIP	22uF	20%	6.3V	FB1104	1-469-710-21	FERRITE, EMI (SMD) (2012)			
C1601	1-164-156-11	CERAMIC CHIP	0.1uF		25V	FB1105	1-469-710-21	FERRITE, EMI (SMD) (2012)			
C1602	1-164-156-11	CERAMIC CHIP	0.1uF		25V	FB1201	1-469-727-21	FERRITE, EMI (SMD) (2012)			
C1603	1-164-156-11	CERAMIC CHIP	0.1uF		25V	FB1202	1-469-727-21	FERRITE, EMI (SMD) (2012)			
C1604	1-164-156-11	CERAMIC CHIP	0.1uF		25V	FB1203	1-469-710-21	FERRITE, EMI (SMD) (2012)			
C1605	1-164-156-11	CERAMIC CHIP	0.1uF		25V	FB1204	1-469-710-21	FERRITE, EMI (SMD) (2012)			
C1606	1-126-204-11	ELECT CHIP	47uF	20%	16V	FB1501	1-469-727-21	FERRITE, EMI (SMD) (2012)			
C1608	1-164-156-11	CERAMIC CHIP	0.1uF		25V	FB1502	1-216-864-11	SHORT CHIP	0		
C1610	1-162-974-11	CERAMIC CHIP	0.01uF		50V	FB1601	1-469-727-21	FERRITE, EMI (SMD) (2012)			
C1611	1-162-974-11	CERAMIC CHIP	0.01uF		50V	FB1602	1-216-864-11	SHORT CHIP	0		
C1612	1-164-156-11	CERAMIC CHIP	0.1uF		25V	FB1603	1-216-864-11	SHORT CHIP	0		
C1613	1-164-156-11	CERAMIC CHIP	0.1uF		25V	< GROUND TERMINAL >					
C1614	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C1615	1-164-156-11	CERAMIC CHIP	0.1uF		25V	G1101	1-537-738-21	TERMINAL, GROUND			
C1616	1-164-156-11	CERAMIC CHIP	0.1uF		25V	< IC >					
C1617	1-162-974-11	CERAMIC CHIP	0.01uF		50V						
C1618	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1101	8-759-825-15	IC LC89056W-E			
C1619	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1102	8-759-242-70	IC TC7WU04F (TE12R)			
C1620	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1104	6-600-014-01	IC TORX141L (OPTICAL VIDEO IN)			
C1624	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1201	8-759-698-76	IC CXD9617R			
						IC1202	6-704-037-01	IC IS61LV6416-10TLT			
C1625	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C1626	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1501	6-705-627-01	IC AK4626VQ			
C1627	1-124-779-00	ELECT CHIP	10uF	20%	16V	IC1503	8-759-231-53	IC TA7805S			
C1632	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1601	6-803-873-11	IC MB90478PF-G-170-BNDE1			
C1634	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1602	6-701-680-01	IC PST3629NR			
						IC1604	6-704-004-01	IC BR24L16F-WE2			
C1635	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C1636	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1901	6-701-887-02	IC SI-3004KWF			
C1671	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1902	8-759-231-57	IC TA7810S			
C1905	1-164-156-11	CERAMIC CHIP	0.1uF		25V	IC1903	6-705-464-01	IC BA50BC0T			
C1906	1-128-396-11	ELECT CHIP	470uF	20%	10V	IC1904	6-705-463-01	IC BA33BC0T			
C1908	1-128-396-11	ELECT CHIP	470uF	20%	10V	< JACK >					
C1909	1-164-156-11	CERAMIC CHIP	0.1uF		25V	J1101	1-794-972-11	JACK, PIN 1P (DVD IN COAXIAL)			
C1910	1-128-396-11	ELECT CHIP	470uF	20%	10V	< SHORT >					
C1911	1-164-156-11	CERAMIC CHIP	0.1uF		25V						
C1912	1-128-396-11	ELECT CHIP	470uF	20%	10V						
C1914	1-126-204-11	ELECT CHIP	47uF	20%	16V	JR1116	1-216-864-11	SHORT CHIP	0		
		< CONNECTOR >				JR1200	1-216-864-11	SHORT CHIP	0		
CNP5	1-779-978-11	PIN, CONNECTOR 3P				JR1300	1-216-864-11	SHORT CHIP	0		
CNP6	1-784-929-11	PIN, CONNECTOR 14P				JR1301	1-216-864-11	SHORT CHIP	0		
		< CONNECTOR >				JR1600	1-216-864-11	SHORT CHIP	0		
						< COIL >					
						L1901	1-216-864-11	SHORT CHIP	0		
CNS1	1-764-865-41	CONNECTOR, BOARD TO BOARD 13P				< TRANSISTOR >					
CNS2	1-784-031-41	CONNECTOR, BOARD TO BOARD 8P									
CNS4	1-569-308-11	SOCKET, CONNECTOR (L TYRE) 19P									
CNS7	1-569-060-11	SOCKET, CONNECTOR 11P				Q1601	8-729-027-43	TRANSISTOR	RT1N141C-TP-1		
		< DIODE >				Q1602	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L		
						< RESISTOR >					
D1001	8-719-016-74	DIODE 1SS352-TPH3				R1100	1-216-857-11	METAL CHIP	1M	5%	1/10W
D1101	8-719-988-61	DIODE 1SS355TE-17				R1101	1-216-833-11	METAL CHIP	10K	5%	1/10W
D1501	8-719-049-09	DIODE 1SS367-T3SONY				R1102	1-216-833-11	METAL CHIP	10K	5%	1/10W
D1502	8-719-049-09	DIODE 1SS367-T3SONY				R1103	1-216-809-11	METAL CHIP	100	5%	1/10W
D1601	8-719-988-61	DIODE 1SS355TE-17				R1104	1-216-809-11	METAL CHIP	100	5%	1/10W
		< FERRITE BEAD >				R1105	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
FB1101	1-469-727-21	FERRITE, EMI (SMD) (2012)									

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1106	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1300	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1301	1-216-809-11	METAL CHIP	100	5%	1/10W
R1108	1-216-809-11	METAL CHIP	100	5%	1/10W	R1302	1-216-809-11	METAL CHIP	100	5%	1/10W
R1109	1-216-809-11	METAL CHIP	100	5%	1/10W	R1303	1-216-809-11	METAL CHIP	100	5%	1/10W
R1110	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1111	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1305	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W	R1306	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1113	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1315	1-216-864-11	SHORT CHIP	0		
R1114	1-216-809-11	METAL CHIP	100	5%	1/10W	R1365	1-216-864-11	SHORT CHIP	0		
R1115	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1508	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1116	1-218-285-11	METAL CHIP	75	5%	1/10W	R1509	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1516	1-216-813-11	METAL CHIP	220	5%	1/10W
R1118	1-216-854-11	METAL CHIP	560K	5%	1/10W	R1517	1-216-813-11	METAL CHIP	220	5%	1/10W
R1119	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1518	1-216-813-11	METAL CHIP	220	5%	1/10W
R1120	1-216-809-11	METAL CHIP	100	5%	1/10W	R1519	1-216-813-11	METAL CHIP	220	5%	1/10W
R1122	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1520	1-216-813-11	METAL CHIP	220	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1202	1-216-809-11	METAL CHIP	100	5%	1/10W	R1600	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1203	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1204	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1602	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1205	1-216-809-11	METAL CHIP	100	5%	1/10W	R1603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1206	1-216-809-11	METAL CHIP	100	5%	1/10W	R1604	1-216-809-11	METAL CHIP	100	5%	1/10W
R1207	1-216-809-11	METAL CHIP	100	5%	1/10W	R1605	1-216-809-11	METAL CHIP	100	5%	1/10W
R1208	1-216-809-11	METAL CHIP	100	5%	1/10W	R1606	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1209	1-216-809-11	METAL CHIP	100	5%	1/10W	R1607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1210	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1608	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1212	1-216-813-11	METAL CHIP	220	5%	1/10W	R1609	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1213	1-216-813-11	METAL CHIP	220	5%	1/10W	R1610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1214	1-216-813-11	METAL CHIP	220	5%	1/10W	R1611	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1215	1-216-813-11	METAL CHIP	220	5%	1/10W	R1612	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1216	1-216-813-11	METAL CHIP	220	5%	1/10W	R1613	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1217	1-216-813-11	METAL CHIP	220	5%	1/10W	R1614	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1218	1-216-813-11	METAL CHIP	220	5%	1/10W	R1615	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1219	1-216-813-11	METAL CHIP	220	5%	1/10W	R1616	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1220	1-216-813-11	METAL CHIP	220	5%	1/10W	R1617	1-216-809-11	METAL CHIP	100	5%	1/10W
R1221	1-216-813-11	METAL CHIP	220	5%	1/10W	R1618	1-216-809-11	METAL CHIP	100	5%	1/10W
R1222	1-216-813-11	METAL CHIP	220	5%	1/10W	R1619	1-216-809-11	METAL CHIP	100	5%	1/10W
R1224	1-216-813-11	METAL CHIP	220	5%	1/10W	R1621	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1225	1-216-813-11	METAL CHIP	220	5%	1/10W	R1624	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1226	1-216-813-11	METAL CHIP	220	5%	1/10W	R1625	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1227	1-216-813-11	METAL CHIP	220	5%	1/10W	R1626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1228	1-216-813-11	METAL CHIP	220	5%	1/10W	R1627	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1229	1-216-813-11	METAL CHIP	220	5%	1/10W	R1628	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1230	1-216-813-11	METAL CHIP	220	5%	1/10W	R1629	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1231	1-216-813-11	METAL CHIP	220	5%	1/10W	R1630	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1232	1-216-813-11	METAL CHIP	220	5%	1/10W	R1631	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1233	1-216-813-11	METAL CHIP	220	5%	1/10W	R1632	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1234	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1235	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1236	1-216-813-11	METAL CHIP	220	5%	1/10W	R1632	1-216-864-11	SHORT CHIP	0 (CND)		
R1237	1-216-813-11	METAL CHIP	220	5%	1/10W	R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1238	1-216-813-11	METAL CHIP	220	5%	1/10W	R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1239	1-216-813-11	METAL CHIP	220	5%	1/10W	R1638	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1240	1-216-813-11	METAL CHIP	220	5%	1/10W	R1639	1-216-809-11	METAL CHIP	100	5%	1/10W
R1241	1-216-813-11	METAL CHIP	220	5%	1/10W	R1640	1-216-809-11	METAL CHIP	100	5%	1/10W
R1242	1-216-813-11	METAL CHIP	220	5%	1/10W	R1641	1-216-809-11	METAL CHIP	100	5%	1/10W
R1243	1-216-813-11	METAL CHIP	220	5%	1/10W	R1642	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1244	1-216-813-11	METAL CHIP	220	5%	1/10W	R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W

DIGITAL

DISPLAY

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1644	1-216-821-11	METAL CHIP	1K	5%	1/10W	C109	1-164-159-11	CERAMIC	0.1uF		50V
R1645	1-216-821-11	METAL CHIP	1K	5%	1/10W	C110	1-128-825-11	CERAMIC	2200PF	5%	50V
R1646	1-216-821-11	METAL CHIP	1K	5%	1/10W	C111	1-128-809-11	CERAMIC	100PF	5%	50V
R1647	1-216-821-11	METAL CHIP	1K	5%	1/10W	C112	1-128-809-11	CERAMIC	100PF	5%	50V
R1648	1-216-821-11	METAL CHIP	1K	5%	1/10W	C114	1-164-159-11	CERAMIC	0.1uF		50V
						C115	1-126-795-11	ELECT	10uF	20%	50V
R1649	1-216-821-11	METAL CHIP	1K	5%	1/10W	C132	1-128-813-11	CERAMIC	220PF	5%	50V
R1650	1-216-833-11	METAL CHIP	10K	5%	1/10W	C133	1-128-813-11	CERAMIC	220PF	5%	50V
R1651	1-216-833-11	METAL CHIP	10K	5%	1/10W	C134	1-128-813-11	CERAMIC	220PF	5%	50V
R1652	1-216-833-11	METAL CHIP	10K	5%	1/10W	C135	1-128-813-11	CERAMIC	220PF	5%	50V
R1653	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1654	1-216-833-11	METAL CHIP	10K	5%	1/10W	C136	1-128-813-11	CERAMIC	220PF	5%	50V
R1655	1-216-833-11	METAL CHIP	10K	5%	1/10W	C137	1-128-813-11	CERAMIC	220PF	5%	50V
R1656	1-216-841-11	METAL CHIP	47K	5%	1/10W	C138	1-128-813-11	CERAMIC	220PF	5%	50V
R1657	1-216-833-11	METAL CHIP	10K	5%	1/10W	C139	1-128-813-11	CERAMIC	220PF	5%	50V
R1658	1-216-809-11	METAL CHIP	100	5%	1/10W	C140	1-128-813-11	CERAMIC	220PF	5%	50V
						C141	1-128-813-11	CERAMIC	220PF	5%	50V
R1660	1-216-833-11	METAL CHIP	10K	5%	1/10W	C142	1-128-813-11	CERAMIC	220PF	5%	50V
R1662	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	C143	1-128-813-11	CERAMIC	220PF	5%	50V
R1663	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	C144	1-164-159-11	CERAMIC	0.1uF		50V
R1666	1-216-821-11	METAL CHIP	1K	5%	1/10W	C150	1-164-159-11	CERAMIC	0.1uF		50V
R1667	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1668	1-216-833-11	METAL CHIP	10K	5%	1/10W	C151	1-126-795-11	ELECT	10uF	20%	50V
R1669	1-216-833-11	METAL CHIP	10K	5%	1/10W	C152	1-128-813-11	CERAMIC	220PF	5%	50V
R1670	1-216-833-11	METAL CHIP	10K	5%	1/10W	C153	1-128-813-11	CERAMIC	220PF	5%	50V
R1671	1-216-864-11	SHORT CHIP	0			C154	1-128-813-11	CERAMIC	220PF	5%	50V
R1673	1-216-833-11	METAL CHIP	10K	5%	1/10W	C155	1-164-159-11	CERAMIC	0.1uF		50V
						C156	1-164-159-11	CERAMIC	0.1uF		50V
R1675	1-216-833-11	METAL CHIP	10K	5%	1/10W	C157	1-164-159-11	CERAMIC	0.1uF		50V
R1676	1-216-833-11	METAL CHIP	10K	5%	1/10W	< CONNECTOR >					
R1680	1-216-833-11	METAL CHIP	10K	5%	1/10W	* CNP101	1-564-518-11	PLUG, CONNECTOR	3P		
R1681	1-216-833-11	METAL CHIP	10K	5%	1/10W	* CNP103	1-564-517-11	PLUG, CONNECTOR	2P		
R1682	1-216-845-11	METAL CHIP	100K	5%	1/10W	< CONNECTOR >					
R1683	1-216-833-11	METAL CHIP	10K	5%	1/10W	CNS100	1-569-323-11	SOCKET, CONNECTOR	19P		
R1684	1-216-833-11	METAL CHIP	10K	5%	1/10W	< DIODE >					
R1685	1-216-833-11	METAL CHIP	10K	5%	1/10W	D101	6-500-647-01	DIODE	SEL5E20C-STP15		(MULTICHANNEL DECODING)
R1686	1-216-833-11	METAL CHIP	10K	5%	1/10W	D102	8-719-061-96	DIODE	SLR-325DCT31 (2CH)		
R1687	1-216-833-11	METAL CHIP	10K	5%	1/10W	D103	8-719-061-96	DIODE	SLR-325DCT31 (MUSIC))		
R1688	1-216-864-11	SHORT CHIP	0			D104	8-719-061-96	DIODE	SLR-325DCT31 (MOVIE)		
R1689	1-216-833-11	METAL CHIP	10K	5%	1/10W	D105	8-719-061-96	DIODE	SLR-325DCT31 (A.F.D.)		
R1690	1-216-821-11	METAL CHIP	1K	5%	1/10W	< FLUORESCENT INDICATOR >					
R1694	1-216-833-11	METAL CHIP	10K	5%	1/10W	FL101	1-518-966-11	VOCUUM FLUORESENT	DISPLAYS		
R1696	1-216-833-11	METAL CHIP	10K	5%	1/10W	< IC >					
R1697	1-216-833-11	METAL CHIP	10K	5%	1/10W	IC100	8-759-643-83	IC	PT6315		
R1698	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	IC101	8-759-243-51	IC	TC74ACT08P		
R1699	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	IC102	6-600-309-01	IC	RPM7240-H9 (ꠔ)		
< VIBRATOR >						< TRANSISTOR >					
X1101	1-795-126-21	VIBRATOR, CRYSTAL	12.288MHz			Q100	8-729-119-78	TRANSISTOR	2SC2785TP-HFE		
X1201	1-795-363-21	VIBRATOR, CERAMIC	13.5MHz			< RESISTOR >					
X1601	1-767-922-11	VIBRATOR, CERAMIC	16.0MHz			R101	1-247-831-91	CARBON	1K	5%	1/4W
*****						R102	1-249-421-11	CARBON	2.2K	5%	1/4W
A-4752-697-A	DISPLAY BOARD, COMPLETE										

< 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%	50V						
C108	1-164-159-11	CERAMIC	0.1uF		50V						

DISPLAY

HEADPHONE

MAIN

Ref. No.	Part No.	Description	Remark		
R103	1-249-421-11	CARBON	2.2K	5%	1/4W
R104	1-247-847-91	CARBON	4.7K	5%	1/4W
R105	1-249-429-11	CARBON	10K	5%	1/4W
R111	1-247-831-91	CARBON	1K	5%	1/4W
R112	1-249-421-11	CARBON	2.2K	5%	1/4W
R113	1-249-421-11	CARBON	2.2K	5%	1/4W
R114	1-247-847-91	CARBON	4.7K	5%	1/4W
R115	1-249-429-11	CARBON	10K	5%	1/4W
R121	1-247-831-91	CARBON	1K	5%	1/4W
R122	1-249-421-11	CARBON	2.2K	5%	1/4W
R123	1-249-421-11	CARBON	2.2K	5%	1/4W
R141	1-249-421-11	CARBON	2.2K	5%	1/4W
R150	1-249-440-11	CARBON	82K	5%	1/4W
R153	1-247-807-31	CARBON	100	5%	1/4W
△ R154	1-249-393-11	CARBON	10	5%	1/4W
R160	1-247-804-11	CARBON	75	5%	1/4W
R161	1-249-409-11	CARBON	220	5%	1/4W
R162	1-249-429-11	CARBON	10K	5%	1/4W
△ R175	1-249-393-11	CARBON	10	5%	1/4W
△ R198	1-249-381-11	CARBON	1	5%	1/4W
△ R199	1-249-381-11	CARBON	1	5%	1/4W
< VARIABLE RESISTOR >					
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)	(MASTER VOLUME)		
< SWITCH >					
S100	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S101	1-771-410-21	SWITCH, TACTILE (>)			
S102	1-771-410-21	SWITCH, TACTILE (-)			
S103	1-771-410-21	SWITCH, TACTILE (+)			
S104	1-771-410-21	SWITCH, TACTILE (<)			
S108	1-771-410-21	SWITCH, TACTILE (AM)			
S110	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S111	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S112	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S113	1-771-410-21	SWITCH, TACTILE (2CH)			
S114	1-771-410-21	SWITCH, TACTILE (ENTER)			
S115	1-771-410-21	SWITCH, TACTILE (MAIN MENU)			
S126	1-771-410-21	SWITCH, TACTILE (VIDEO)			
S127	1-771-410-21	SWITCH, TACTILE (DVD)			
S128	1-771-410-21	SWITCH, TACTILE (FM)			

HEADPHONE BOARD					

< CONNECTOR >					
CNP791	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
< JACK >					
J791	1-815-314-21	JACK (PHONES)			

A-4750-415-A	MAIN BOARD, COMPLETE (CND)				
A-4752-121-A	MAIN BOARD, COMPLETE (E51, MX)				

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

Ref. No.	Part No.	Description				Remark
< CAPACITOR >						
C371	1-161-494-00	CERAMIC	0.022uF		25V	
C372	1-161-494-00	CERAMIC	0.022uF		25V	
C373	1-161-494-00	CERAMIC	0.022uF		25V	
C374	1-164-159-11	CERAMIC	0.1uF		50V	
C375	1-161-494-00	CERAMIC	0.022uF		25V	
C376	1-161-494-00	CERAMIC	0.022uF		25V	
C413	1-126-961-11	ELECT	2.2uF	20%	50V	
C414	1-126-961-11	ELECT	2.2uF	20%	50V	
C415	1-126-961-11	ELECT	2.2uF	20%	50V	
C416	1-126-961-11	ELECT	2.2uF	20%	50V	
C417	1-126-961-11	ELECT	2.2uF	20%	50V	
C418	1-126-961-11	ELECT	2.2uF	20%	50V	
C419	1-126-961-11	ELECT	2.2uF	20%	50V	
C433	1-126-961-11	ELECT	2.2uF	20%	50V	
C464	1-164-159-11	CERAMIC	0.1uF		50V	
C465	1-126-934-11	ELECT	220uF	20%	16V	
C467	1-164-159-11	CERAMIC	0.1uF		50V	
C475	1-104-658-91	ELECT	100uF	20%	10V	
C481	1-126-963-11	ELECT	4.7uF	20%	50V	
C482	1-126-963-11	ELECT	4.7uF	20%	50V	
C483	1-126-963-11	ELECT	4.7uF	20%	50V	
C484	1-126-963-11	ELECT	4.7uF	20%	50V	
C485	1-126-964-11	ELECT	10uF	20%	50V	
C486	1-126-963-11	ELECT	4.7uF	20%	50V	
C487	1-126-964-11	ELECT	10uF	20%	50V	
C488	1-164-159-11	CERAMIC	0.1uF		50V	
C489	1-128-809-11	CERAMIC	100PF	5%	50V	
C490	1-128-809-11	CERAMIC	100PF	5%	50V	
C491	1-126-963-11	ELECT	4.7uF	20%	50V	
C492	1-126-963-11	ELECT	4.7uF	20%	50V	
C493	1-126-963-11	ELECT	4.7uF	20%	50V	
C494	1-126-963-11	ELECT	4.7uF	20%	50V	
C495	1-126-963-11	ELECT	4.7uF	20%	50V	
C496	1-126-963-11	ELECT	4.7uF	20%	50V	
C497	1-128-809-11	CERAMIC	100PF	5%	50V	
C501	1-126-963-11	ELECT	4.7uF	20%	50V	
C503	1-104-658-91	ELECT	100uF	20%	10V	
C504	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C505	1-106-359-00	MYLAR	0.0047uF	5%	50V	
C506	1-102-233-00	CERAMIC	33PF	10%	500V	
C507	1-128-809-11	CERAMIC	100PF	5%	50V	
C508	1-128-809-11	CERAMIC	100PF	5%	50V	
C510	1-126-947-11	ELECT	47uF	20%	25V	
C511	1-136-157-00	FILM	0.022uF	5%	50V	
C516	1-162-815-11	CERAMIC	47PF	5%	500V	
C517	1-162-815-11	CERAMIC	47PF	5%	500V	
C519	1-128-813-11	CERAMIC	220PF	5%	50V	
C540	1-126-964-11	ELECT	10uF	20%	50V	
C541	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C601	1-126-963-11	ELECT	4.7uF	20%	50V	
C603	1-104-658-91	ELECT	100uF	20%	10V	
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C605	1-102-233-00	CERAMIC	33PF	10%	500V	

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

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Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
C606	1-128-813-11	CERAMIC	220PF	5%	50V		C804	1-165-498-11	ELECT	4700uF	20%	63V	
C607	1-128-809-11	CERAMIC	100PF	5%	50V		C805	1-136-497-81	FILM	0.1uF	5%	50V	
							C806	1-136-497-81	FILM	0.1uF	5%	50V	
C610	1-126-947-11	ELECT	47uF	20%	25V		C807	1-104-658-91	ELECT	100uF	20%	10V	
C611	1-136-157-00	FILM	0.022uF	5%	50V		C808	1-126-925-91	ELECT	470uF	20%	10V	
C619	1-128-813-11	CERAMIC	220PF	5%	50V								
C620	1-162-815-11	CERAMIC	47PF	5%	500V		C810	1-164-159-11	CERAMIC	0.1uF		50V	
C621	1-162-815-11	CERAMIC	47PF	5%	500V		C811	1-164-159-11	CERAMIC	0.1uF		50V	
							C900	1-161-494-00	CERAMIC	0.022uF		25V	
C640	1-126-964-11	ELECT	10uF	20%	50V								
C642	1-127-876-11	CERAMIC	0.01uF	10%	50V				< CONNECTOR >				
C643	1-128-579-11	ELECT	2.2uF	20%	100V								
C651	1-126-963-11	ELECT	4.7uF	20%	50V		* CNP501	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P				
C653	1-104-658-91	ELECT	100uF	20%	10V		* CNP502	1-774-876-21	CONNECTOR, BOARD TO BOARD 8P				
							CNP561	1-784-922-11	PIN, CONNECTOR 5P				
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V		CNP562	1-691-768-11	PLUG (MICRO CONNECTOR) 6P				
C655	1-102-233-00	CERAMIC	33PF	10%	500V		* CNP801	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P				
C656	1-128-813-11	CERAMIC	220PF	5%	50V								
C657	1-128-809-11	CERAMIC	100PF	5%	50V		CNP911	1-784-924-11	PIN, CONNECTOR 8P				
C660	1-126-947-11	ELECT	47uF	20%	25V		CNP915	1-793-674-21	CONNECTOR, BOARD TO BOARD 7P				
C661	1-136-157-00	FILM	0.022uF	5%	50V				< DIODE >				
C666	1-162-815-11	CERAMIC	47PF	5%	500V		D505	8-719-991-33	DIODE 1SS133T-72				
C669	1-162-815-11	CERAMIC	47PF	5%	500V		D510	8-719-991-33	DIODE 1SS133T-72				
C670	1-128-813-11	CERAMIC	220PF	5%	50V		D540	8-719-991-33	DIODE 1SS133T-72				
C680	1-126-964-11	ELECT	10uF	20%	50V		D605	8-719-991-33	DIODE 1SS133T-72				
							D610	8-719-991-33	DIODE 1SS133T-72				
C681	1-127-876-11	CERAMIC	0.01uF	10%	50V								
C691	1-164-159-11	CERAMIC	0.1uF		50V		D640	8-719-991-33	DIODE 1SS133T-72				
C700	1-164-159-11	CERAMIC	0.1uF		50V		D665	8-719-991-33	DIODE 1SS133T-72				
C701	1-126-963-11	ELECT	4.7uF	20%	50V		D680	8-719-991-33	DIODE 1SS133T-72				
C703	1-104-658-91	ELECT	100uF	20%	10V		D690	8-719-934-21	DIODE HZS30-1LTA				
							D691	8-719-991-33	DIODE 1SS133T-72				
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V								
C705	1-102-233-00	CERAMIC	33PF	10%	500V		D705	8-719-991-33	DIODE 1SS133T-72				
C706	1-128-813-11	CERAMIC	220PF	5%	50V		D710	8-719-991-33	DIODE 1SS133T-72				
C707	1-128-809-11	CERAMIC	100PF	5%	50V		D721	8-719-991-33	DIODE 1SS133T-72				
C710	1-126-947-11	ELECT	47uF	20%	25V		D722	8-719-991-33	DIODE 1SS133T-72				
							D731	8-719-991-33	DIODE 1SS133T-72				
C711	1-136-157-00	FILM	0.022uF	5%	50V								
C716	1-162-815-11	CERAMIC	47PF	5%	500V		D732	8-719-991-33	DIODE 1SS133T-72				
C717	1-162-815-11	CERAMIC	47PF	5%	500V		D733	8-719-991-33	DIODE 1SS133T-72				
C720	1-128-813-11	CERAMIC	220PF	5%	50V		D734	8-719-991-33	DIODE 1SS133T-72				
C721	1-126-934-11	ELECT	220uF	20%	16V		D740	8-719-991-33	DIODE 1SS133T-72				
							D750	8-719-991-33	DIODE 1SS133T-72				
C722	1-126-964-11	ELECT	10uF	20%	50V								
C732	1-128-582-11	ELECT	10uF	20%	100V		D765	8-719-991-33	DIODE 1SS133T-72				
C733	1-128-582-11	ELECT	10uF	20%	100V		D791	8-719-991-33	DIODE 1SS133T-72				
C740	1-126-964-11	ELECT	10uF	20%	50V		D802	8-719-072-05	DIODE RBV-602LF-A				
C742	1-127-876-11	CERAMIC	0.01uF	10%	50V		D851	8-719-991-33	DIODE 1SS133T-72				
							D896	8-719-043-76	DIODE AK04V1				
C744	1-128-579-11	ELECT	2.2uF	20%	100V				< IC >				
C750	1-126-964-11	ELECT	10uF	20%	50V		IC201	6-703-501-01	IC M61527FP				
C751	1-126-963-11	ELECT	4.7uF	20%	50V		IC501	8-749-011-16	IC STK350-230				
C752	1-127-876-11	CERAMIC	0.01uF	10%	50V		IC601	8-759-167-88	IC NJM4565D				
C753	1-104-658-91	ELECT	100uF	20%	10V		IC701	6-700-943-01	IC uPC2581V-S				
							IC702	6-700-943-01	IC uPC2581V-S				
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V		IC801	8-759-071-48	IC TA7807S				
C755	1-102-233-00	CERAMIC	33PF	10%	500V		IC802	8-759-071-47	IC TA79007S				
C756	1-128-813-11	CERAMIC	220PF	5%	50V								
C757	1-128-809-11	CERAMIC	100PF	5%	50V								
C760	1-126-947-11	ELECT	47uF	20%	25V								
C761	1-136-157-00	FILM	0.022uF	5%	50V				< JACK >				
C766	1-162-815-11	CERAMIC	47PF	5%	500V		J403	1-794-981-11	JACK, PIN 4P (VIDEO/DVD)				
C767	1-162-815-11	CERAMIC	47PF	5%	500V								
C770	1-128-813-11	CERAMIC	220PF	5%	50V								
C803	1-165-498-11	ELECT	4700uF	20%	63V								

STR-K1900P

Ver 1.1

MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
< TRANSISTOR >						R372	1-247-879-91	CARBON	100K	5%	1/4W
						R373	1-247-831-91	CARBON	1K	5%	1/4W
Q361	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW			R374	1-247-831-91	CARBON	1K	5%	1/4W
Q362	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW			R375	1-247-831-91	CARBON	1K	5%	1/4W
Q363	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW			R376	1-247-831-91	CARBON	1K	5%	1/4W
Q364	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW								
Q365	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW			R377	1-247-831-91	CARBON	1K	5%	1/4W
						R378	1-247-831-91	CARBON	1K	5%	1/4W
Q366	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW			R379	1-247-847-91	CARBON	4.7K	5%	1/4W
Q379	8-729-900-63	TRANSISTOR	BN1F4M-TP			R380	1-247-879-91	CARBON	100K	5%	1/4W
Q471	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW			R381	1-249-429-11	CARBON	10K	5%	1/4W
Q501	8-729-119-76	TRANSISTOR	2SA1115TP-EF								
Q502	8-729-141-30	TRANSISTOR	2SC3623ATP-LK			R405	1-247-831-91	CARBON	1K	5%	1/4W
						R407	1-247-831-91	CARBON	1K	5%	1/4W
Q505	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R410	1-247-871-91	CARBON	47K	5%	1/4W
Q506	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R430	1-247-871-91	CARBON	47K	5%	1/4W
Q540	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			R455	1-247-831-91	CARBON	1K	5%	1/4W
Q550	8-729-119-79	TRANSISTOR	2SC2785TP-FEK								
Q601	8-729-119-76	TRANSISTOR	2SA1115TP-EF			R457	1-247-831-91	CARBON	1K	5%	1/4W
						R471	1-249-415-11	CARBON	680	5%	1/4W
Q602	8-729-141-30	TRANSISTOR	2SC3623ATP-LK			R472	1-247-831-91	CARBON	1K	5%	1/4W
Q605	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R475	1-249-421-11	CARBON	2.2K	5%	1/4W
Q606	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R476	1-247-807-31	CARBON	100	5%	1/4W
Q610	8-729-119-79	TRANSISTOR	2SC2785TP-FEK								
Q640	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			R477	1-247-807-31	CARBON	100	5%	1/4W
						R478	1-247-807-31	CARBON	100	5%	1/4W
Q651	8-729-119-76	TRANSISTOR	2SA1115TP-EF			R479	1-249-421-11	CARBON	2.2K	5%	1/4W
Q652	8-729-141-30	TRANSISTOR	2SC3623ATP-LK			R501	1-247-831-91	CARBON	1K	5%	1/4W
Q655	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R502	1-249-439-11	CARBON	68K	5%	1/4W
Q656	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP								
Q680	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			R503	1-249-422-11	CARBON	2.7K	5%	1/4W
						R504	1-249-411-11	CARBON	330	5%	1/4W
Q691	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			R505	1-249-439-11	CARBON	68K	5%	1/4W
Q692	8-729-900-63	TRANSISTOR	BN1F4M-TP			R510	1-249-421-11	CARBON	2.2K	5%	1/4W
Q701	8-729-119-76	TRANSISTOR	2SA1115TP-EF			R511	1-249-440-11	CARBON	82K	5%	1/4W
Q702	8-729-141-30	TRANSISTOR	2SC3623ATP-LK								
Q705	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R513	1-249-414-11	CARBON	560	5%	1/4W
						△ R514	1-249-405-11	CARBON	100	5%	1/4W
Q706	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			△ R515	1-249-405-11	CARBON	100	5%	1/4W
Q710	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			△ R516	1-234-182-11	ENCAPSULATED COMPONENT			
Q722	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA			△ R517	1-249-393-11	CARBON	10	5%	1/4W
Q723	8-729-119-79	TRANSISTOR	2SC2785TP-FEK								
Q725	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R520	1-247-847-91	CARBON	4.7K	5%	1/4W
						R521	1-247-850-11	CARBON	6.2K	5%	1/4W
Q740	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			R522	1-249-419-11	CARBON	1.5K	5%	1/4W
Q750	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2			R524	1-249-431-11	CARBON	15K	5%	1/4W
Q751	8-729-119-76	TRANSISTOR	2SA1115TP-EF			R525	1-249-439-11	CARBON	68K	5%	1/4W
Q752	8-729-141-30	TRANSISTOR	2SC3623ATP-LK								
Q755	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R531	1-247-847-91	CARBON	4.7K	5%	1/4W
						△ R534	1-249-404-00	CARBON	82	5%	1/4W
Q756	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R540	1-247-863-91	CARBON	22K	5%	1/4W
Q790	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			R546	1-247-843-11	CARBON	3.3K	5%	1/4W
Q851	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			R555	1-247-863-91	CARBON	22K	5%	1/4W
< RESISTOR >						R556	1-247-863-91	CARBON	22K	5%	1/4W
						R557	1-249-431-11	CARBON	15K	5%	1/4W
R360	1-247-879-91	CARBON	100K	5%	1/4W	R573	1-247-871-91	CARBON	47K	5%	1/4W
R361	1-247-847-91	CARBON	4.7K	5%	1/4W	R601	1-247-831-91	CARBON	1K	5%	1/4W
R362	1-247-847-91	CARBON	4.7K	5%	1/4W	R602	1-249-439-11	CARBON	68K	5%	1/4W
R363	1-247-879-91	CARBON	100K	5%	1/4W						
R366	1-249-429-11	CARBON	10K	5%	1/4W	R603	1-249-422-11	CARBON	2.7K	5%	1/4W
						R604	1-249-439-11	CARBON	68K	5%	1/4W
R367	1-247-879-91	CARBON	100K	5%	1/4W	R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R368	1-247-871-91	CARBON	47K	5%	1/4W	R611	1-249-440-11	CARBON	82K	5%	1/4W
R369	1-247-847-91	CARBON	4.7K	5%	1/4W	R613	1-249-414-11	CARBON	560	5%	1/4W
R370	1-247-847-91	CARBON	4.7K	5%	1/4W						
R371	1-247-879-91	CARBON	100K	5%	1/4W						

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MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
△ R614	1-249-405-11	CARBON	100 5% 1/4W	R713	1-249-414-11	CARBON	560 5% 1/4W
△ R615	1-249-405-11	CARBON	100 5% 1/4W	△ R714	1-249-405-11	CARBON	100 5% 1/4W
△ R616	1-234-182-11	ENCAPSULATED COMPONENT		△ R715	1-249-405-11	CARBON	100 5% 1/4W
△ R617	1-249-393-11	CARBON	10 5% 1/4W	△ R716	1-234-182-11	ENCAPSULATED COMPONENT	
R620	1-247-847-91	CARBON	4.7K 5% 1/4W	△ R717	1-249-393-11	CARBON	10 5% 1/4W
R621	1-247-850-11	CARBON	6.2K 5% 1/4W	R719	1-247-847-91	CARBON	4.7K 5% 1/4W
R622	1-249-419-11	CARBON	1.5K 5% 1/4W	R721	1-247-850-11	CARBON	6.2K 5% 1/4W
R623	1-247-871-91	CARBON	47K 5% 1/4W	R722	1-249-419-11	CARBON	1.5K 5% 1/4W
R624	1-249-431-11	CARBON	15K 5% 1/4W	R723	1-247-871-91	CARBON	47K 5% 1/4W
R625	1-249-439-11	CARBON	68K 5% 1/4W	R724	1-249-431-11	CARBON	15K 5% 1/4W
R631	1-247-847-91	CARBON	4.7K 5% 1/4W	R725	1-249-439-11	CARBON	68K 5% 1/4W
△ R634	1-249-404-00	CARBON	82 5% 1/4W	R731	1-247-847-91	CARBON	4.7K 5% 1/4W
R638	1-249-439-11	CARBON	68K 5% 1/4W	△ R732	1-249-381-11	CARBON	1 5% 1/4W
R640	1-247-863-91	CARBON	22K 5% 1/4W	△ R733	1-249-381-11	CARBON	1 5% 1/4W
R643	1-247-863-91	CARBON	22K 5% 1/4W	△ R734	1-249-404-00	CARBON	82 5% 1/4W
R648	1-247-843-11	CARBON	3.3K 5% 1/4W	R735	1-249-427-11	CARBON	6.8K 5% 1/4W
R651	1-247-831-91	CARBON	1K 5% 1/4W	R736	1-247-831-91	CARBON	1K 5% 1/4W
R652	1-249-439-11	CARBON	68K 5% 1/4W	R737	1-249-436-11	CARBON	39K 5% 1/4W
R653	1-249-422-11	CARBON	2.7K 5% 1/4W	R740	1-247-863-91	CARBON	22K 5% 1/4W
R654	1-249-439-11	CARBON	68K 5% 1/4W	R744	1-247-863-91	CARBON	22K 5% 1/4W
R655	1-247-863-91	CARBON	22K 5% 1/4W	R745	1-247-863-91	CARBON	22K 5% 1/4W
R656	1-247-863-91	CARBON	22K 5% 1/4W	R746	1-247-863-91	CARBON	22K 5% 1/4W
R657	1-249-431-11	CARBON	15K 5% 1/4W	R747	1-249-431-11	CARBON	15K 5% 1/4W
R660	1-249-421-11	CARBON	2.2K 5% 1/4W	R748	1-247-843-11	CARBON	3.3K 5% 1/4W
R661	1-249-440-11	CARBON	82K 5% 1/4W	R750	1-247-863-91	CARBON	22K 5% 1/4W
R663	1-249-414-11	CARBON	560 5% 1/4W	R751	1-247-831-91	CARBON	1K 5% 1/4W
△ R664	1-249-405-11	CARBON	100 5% 1/4W	R752	1-249-439-11	CARBON	68K 5% 1/4W
△ R665	1-249-405-11	CARBON	100 5% 1/4W	R753	1-249-422-11	CARBON	2.7K 5% 1/4W
△ R666	1-234-182-11	ENCAPSULATED COMPONENT		R754	1-249-439-11	CARBON	68K 5% 1/4W
△ R667	1-249-393-11	CARBON	10 5% 1/4W	R755	1-247-863-91	CARBON	22K 5% 1/4W
R669	1-247-847-91	CARBON	4.7K 5% 1/4W	R756	1-247-863-91	CARBON	22K 5% 1/4W
R671	1-247-850-11	CARBON	6.2K 5% 1/4W	R757	1-249-431-11	CARBON	15K 5% 1/4W
R672	1-249-419-11	CARBON	1.5K 5% 1/4W	R758	1-247-843-11	CARBON	3.3K 5% 1/4W
R673	1-247-871-91	CARBON	47K 5% 1/4W	R760	1-249-421-11	CARBON	2.2K 5% 1/4W
R674	1-249-431-11	CARBON	15K 5% 1/4W	R761	1-249-440-11	CARBON	82K 5% 1/4W
R675	1-247-863-91	CARBON	22K 5% 1/4W	R763	1-249-414-11	CARBON	560 5% 1/4W
R676	1-247-863-91	CARBON	22K 5% 1/4W	△ R764	1-249-405-11	CARBON	100 5% 1/4W
R677	1-249-431-11	CARBON	15K 5% 1/4W	△ R765	1-249-405-11	CARBON	100 5% 1/4W
R680	1-247-863-91	CARBON	22K 5% 1/4W	△ R766	1-234-182-11	ENCAPSULATED COMPONENT	
R681	1-247-843-11	CARBON	3.3K 5% 1/4W	△ R767	1-249-393-11	CARBON	10 5% 1/4W
R690	1-247-887-00	CARBON	220K 5% 1/4W	R769	1-247-847-91	CARBON	4.7K 5% 1/4W
R691	1-216-452-11	METAL OXIDE	180 5% 2W	R770	1-247-871-91	CARBON	47K 5% 1/4W
R692	1-215-888-00	METAL OXIDE	220 5% 2W	R771	1-247-850-11	CARBON	6.2K 5% 1/4W
R692	1-215-889-00	METAL OXIDE	330 5% 2W	R772	1-249-419-11	CARBON	1.5K 5% 1/4W
R693	1-249-429-11	CARBON	10K 5% 1/4W	R773	1-247-871-91	CARBON	47K 5% 1/4W
R694	1-249-429-11	CARBON	10K 5% 1/4W	R775	1-249-439-11	CARBON	68K 5% 1/4W
R695	1-249-429-11	CARBON	10K 5% 1/4W	R778	1-249-431-11	CARBON	15K 5% 1/4W
R696	1-249-435-11	CARBON	33K 5% 1/4W	R780	1-249-429-11	CARBON	10K 5% 1/4W
R698	1-247-871-91	CARBON	47K 5% 1/4W	R791	1-247-847-91	CARBON	4.7K 5% 1/4W
R699	1-247-895-00	CARBON	470K 5% 1/4W	R792	1-215-868-00	METAL OXIDE	680 5% 1W
R701	1-247-831-91	CARBON	1K 5% 1/4W	△ R793	1-249-404-00	CARBON	82 5% 1/4W
R702	1-249-439-11	CARBON	68K 5% 1/4W	R794	1-215-868-00	METAL OXIDE	680 5% 1W
R703	1-249-422-11	CARBON	2.7K 5% 1/4W	△ R803	1-249-389-11	CARBON	4.7 5% 1/4W
R704	1-249-439-11	CARBON	68K 5% 1/4W	△ R851	1-249-404-00	CARBON	82 5% 1/4W
R710	1-249-421-11	CARBON	2.2K 5% 1/4W	R852	1-247-847-91	CARBON	4.7K 5% 1/4W
R711	1-249-440-11	CARBON	82K 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.

STR-K1900P

MAIN

POWER

STANDBY

Ref. No.	Part No.	Description	Remark			
< RELAY >						
RY501	1-755-421-11	RELAY				
RY601	1-755-421-11	RELAY				
RY701	1-755-421-11	RELAY				
RY791	1-755-421-11	RELAY				
RY851	1-755-421-11	RELAY				
< TERMINAL >						
TM601	1-694-805-11	TERMINAL BOARD				
		(SURROUND/SUB WOOFER)				
TM602	1-694-805-11	TERMINAL BOARD (FRONT/CENTER)				

	1-861-045-11	POWER BOARD				

< RESISTOR >						
R124	1-247-847-91	CARBON	4.7K	5%	1/4W	
< SWITCH >						
S122	1-771-410-21	SWITCH, TACTILE (DIMMER)				
S123	1-771-410-21	SWITCH, TACTILE (DISPLAY)				
S152	1-771-410-21	SWITCH, TACTILE (I/⏻)				

	A-4750-423-A	STANDBY BOARD, COMPLETE (E51)				
	A-4750-427-A	STANDBY BOARD, COMPLETE (MX)				
	A-4750-608-A	STANDBY BOARD, COMPLETE (CND)				

< CAPACITOR >						
C801	1-126-947-11	ELECT	47uF	20%	35V	
C802	1-126-947-11	ELECT	47uF	20%	35V	
C813	1-164-159-11	CERAMIC	0.1uF		50V	
C814	1-164-159-11	CERAMIC	0.1uF		50V	
C815	1-126-943-11	ELECT	2200uF	20%	25V	
C816	1-126-942-61	ELECT	1000uF	20%	25V	
C820	1-164-159-11	CERAMIC	0.1uF		50V	
C821	1-164-159-11	CERAMIC	0.1uF		50V	
C822	1-126-947-11	ELECT	47uF	20%	35V	
C823	1-126-936-11	ELECT	3300uF	20%	16V	
C830	1-164-159-11	CERAMIC	0.1uF		50V	
C831	1-164-159-11	CERAMIC	0.1uF		50V	
C920	1-164-159-11	CERAMIC	0.1uF		50V	
C921	1-164-159-11	CERAMIC	0.1uF		50V	
C923	1-126-959-11	ELECT	0.47uF	20%	50V	
C950	1-126-936-11	ELECT	3300uF	20%	16V	
< CONNECTOR >						
CNP802	1-779-977-11	PIN, CONNECTOR 6P				
CNP804	1-691-767-11	PLUG (MICRO CONNECTOR) 5P				
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P				
CNP902	1-794-577-21	PIN, CONNECTOR (POWER)				
CNP903	1-564-506-11	PLUG, CONNECTOR 3P				
CNP905	1-793-673-11	CONNECTOR, BOARD TO BOARD 7P				
CNP912	1-779-978-11	PIN, CONNECTOR 3P				

Ref. No.	Part No.	Description	Remark			
< DIODE >						
D801	8-719-933-95	DIODE	HZS20-1LTA			
D804	8-719-068-28	DIODE	HZ6.8BP-TK			
D812	6-500-522-11	DIODE	10EDB40-TA2B5			
D813	6-500-522-11	DIODE	10EDB40-TA2B5			
D814	6-500-522-11	DIODE	10EDB40-TA2B5			
D815	6-500-522-11	DIODE	10EDB40-TA2B5			
D820	6-500-522-11	DIODE	10EDB40-TA2B5			
D821	6-500-522-11	DIODE	10EDB40-TA2B5			
D822	6-500-522-11	DIODE	10EDB40-TA2B5			
D823	6-500-522-11	DIODE	10EDB40-TA2B5			
D901	8-719-991-33	DIODE	1SS133T-72			
D910	6-500-522-11	DIODE	10EDB40-TA2B5			
D911	6-500-522-11	DIODE	10EDB40-TA2B5			
D912	6-500-522-11	DIODE	10EDB40-TA2B5			
D913	6-500-522-11	DIODE	10EDB40-TA2B5			
D914	8-719-991-33	DIODE	1SS133T-72			
D915	8-719-991-33	DIODE	1SS133T-72			
< FUSE HOLDER >						
FH902	1-533-217-41	HOLDER, FUSE				
FH952	1-533-217-41	HOLDER, FUSE				
< EARTH TERMINAL >						
* G901	1-537-738-21	TERMINAL, EARTH (CND)				
< TRANSISTOR >						
Q801	8-729-140-97	TRANSISTOR	2SB734-T-34			
Q901	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			
Q921	8-729-119-79	TRANSISTOR	2SC2785TP-FEK			
< RESISTOR >						
R804	1-249-429-11	CARBON	10K	5%	1/4W	
R806	1-247-863-91	CARBON	22K	5%	1/4W	
△ R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W	
△ R812	1-243-634-91	FUSIBLE	0.22	5%	1/2W	
△ R901	1-219-237-91	SOLID	3.3M	20%	1/2W	(CND)
R902	1-247-871-91	CARBON	47K	5%	1/4W	
R903	1-247-847-91	CARBON	4.7K	5%	1/4W	
△ R904	1-249-381-11	CARBON	1	5%	1/4W	
△ R910	1-243-635-11	FUSIBLE	0.33	5%	1/2W	
R921	1-247-871-91	CARBON	47K	5%	1/4W	
R922	1-249-435-11	CARBON	33K	5%	1/4W	
R923	1-249-429-11	CARBON	10K	5%	1/4W	
< RELAY >						
△ RY901	1-755-276-31	RELAY, POWER				
< TRANSFORMER >						
△ T902	1-435-281-11	TRANSFORMER, POWER (CND, MX)				
△ T902	1-435-283-11	TRANSFORMER, POWER (E51)				

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SUB WOOFER

TUNING

Ref. No.	Part No.	Description	Remark			
	A-4750-417-A	SUB WOOFER BOARD, COMPLETE				

		< CAPACITOR >				
C561	1-126-963-11	ELECT	4.7uF	20%	50V	
C562	1-128-809-11	CERAMIC	100PF	5%	50V	
C563	1-106-359-00	MYLAR	0.0047uF	5%	50V	
C564	1-102-233-00	CERAMIC	33PF	10%	500V	
C565	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C566	1-104-658-91	ELECT	100uF	20%	10V	
C571	1-126-947-11	ELECT	47uF	20%	25V	
C573	1-162-815-11	CERAMIC	47PF	5%	500V	
C575	1-162-815-11	CERAMIC	47PF	5%	500V	
C578	1-128-813-11	CERAMIC	220PF	5%	50V	
C581	1-136-157-00	FILM	0.022uF	5%	50V	
C590	1-136-171-00	FILM	0.33uF	5%	50V	
C592	1-136-175-00	FILM	0.68uF	5%	50V	
C593	1-136-159-00	FILM	0.033uF	5%	50V	
C594	1-137-190-91	FILM	0.22uF	5%	50V	
		< DIODE >				
D561	8-719-991-33	DIODE	1SS133T-72			
D562	8-719-991-33	DIODE	1SS133T-72			
D576	8-719-991-33	DIODE	1SS133T-72			
		< IC >				
IC502	8-759-943-94	IC	BA15218			
IC503	8-749-011-16	IC	STK350-230			
		< TRANSISTOR >				
Q575	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q576	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
		< RESISTOR >				
R560	1-249-411-11	CARBON	330	5%	1/4W	
R561	1-247-831-91	CARBON	1K	5%	1/4W	
R562	1-249-439-11	CARBON	68K	5%	1/4W	
R565	1-249-439-11	CARBON	68K	5%	1/4W	
R566	1-247-827-11	CARBON	680	5%	1/4W	
R567	1-247-863-91	CARBON	22K	5%	1/4W	
R568	1-247-863-91	CARBON	22K	5%	1/4W	
R569	1-249-409-11	CARBON	220	5%	1/4W	
R571	1-249-428-11	CARBON	8.2K	5%	1/4W	
R572	1-247-847-91	CARBON	4.7K	5%	1/4W	
R574	1-247-831-91	CARBON	1K	5%	1/4W	
△ R575	1-249-405-11	CARBON	100	5%	1/4W	
R576	1-247-850-11	CARBON	6.2K	5%	1/4W	
R577	1-247-847-91	CARBON	4.7K	5%	1/4W	
△ R578	1-234-182-11	ENCAPSULATED COMPONENT				
R579	1-249-419-11	CARBON	1.5K	5%	1/4W	
R580	1-249-439-11	CARBON	68K	5%	1/4W	
△ R581	1-249-393-11	CARBON	10	5%	1/4W	
△ R582	1-249-405-11	CARBON	100	5%	1/4W	
R583	1-249-431-11	CARBON	15K	5%	1/4W	
R587	1-247-871-91	CARBON	47K	5%	1/4W	
R591	1-249-421-11	CARBON	2.2K	5%	1/4W	
R593	1-249-440-11	CARBON	82K	5%	1/4W	

Ref. No.	Part No.	Description	Remark			
R595	1-249-427-11	CARBON	6.8K	5%	1/4W	
R596	1-249-427-11	CARBON	6.8K	5%	1/4W	
R597	1-247-879-91	CARBON	100K	5%	1/4W	
R598	1-249-440-11	CARBON	82K	5%	1/4W	

	1-861-044-11	TUNING BOARD *****				
		< RESISTOR >				
R132	1-247-831-91	CARBON	1K	5%	1/4W	
R133	1-249-421-11	CARBON	2.2K	5%	1/4W	
R134	1-249-421-11	CARBON	2.2K	5%	1/4W	
R135	1-247-847-91	CARBON	4.7K	5%	1/4W	
R136	1-249-429-11	CARBON	10K	5%	1/4W	
		< SWITCH >				
S131	1-771-410-21	SWITCH, TACTILE (- (TUNING))				
S132	1-771-410-21	SWITCH, TACTILE (FM MODE)				
S133	1-771-410-21	SWITCH, TACTILE (MEMORY)				
S134	1-771-410-21	SWITCH, TACTILE (- (PRESET TUNING))				
S135	1-771-410-21	SWITCH, TACTILE (+ (PRESET TUNING))				
S151	1-771-410-21	SWITCH, TACTILE (+ (TUNING))				

		MISCELLANEOUS *****				
8	1-773-114-11	WIRE (FLAT TYPE)(19 CORE)				
△ 59	1-777-071-23	CORD, POWER (E51)				
△ 59	1-783-532-11	CORD, POWER (CND, MX)				
61	1-769-937-11	WIRE (FLAT TYPE)(11 CORE)				
62	1-575-662-31	WIRE (FLAT TYPE)(5 CORE)				
△ F901	1-532-464-32	FUSE T2.5AL/250V (E51)				
△ F901	1-533-452-11	FUSE, GLASS TUBE (DIA. 5) T4.0AL/125V (CND, MX)				
Q503	8-749-010-25	IC MN2488-OPY-M				
Q504	8-749-010-26	IC MP1620-OPY-M				
Q572	8-729-026-08	TRANSISTOR 2SC4495				
Q573	8-749-010-25	IC MN2488-OPY-M				
Q574	8-749-010-26	IC MP1620-OPY-M				
Q603	8-749-010-25	IC MN2488-OPY-M				
Q604	8-749-010-26	IC MP1620-OPY-M				
Q653	8-749-010-25	IC MN2488-OPY-M				
Q654	8-749-010-26	IC MP1620-OPY-M				
Q703	8-749-010-25	IC MN2488-OPY-M				
Q704	8-749-010-26	IC MP1620-OPY-M				
Q753	8-749-010-25	IC MN2488-OPY-M				
Q754	8-749-010-26	IC MP1620-OPY-M				
△ T901	1-443-185-11	POWER TRANSFORMER (CND, MX)				
△ T901	1-443-186-11	POWER TRANSFORMER (E51)				

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REVISION HISTORY

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