

STR-K760P

SERVICE MANUAL

Ver 1.1 2004.10

Canadian Model
E Model
Australian Model



- STR-K760P is the tuner and the amplifier section in HT-DDW760.

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SPECIFICATIONS

Amplifier section

Power Output¹⁾

Models of area code CA

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 60 W/ch
CENTER²⁾: 60 W
SURR²⁾: 60 W/ch

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 100 W/ch
CENTER²⁾: 100 W
SURR²⁾: 100 W/ch

Models of area code SP, E51

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 80 W/ch
CENTER²⁾: 80 W
SURR²⁾: 80 W/ch

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 100 W/ch
CENTER²⁾: 100 W
SURR²⁾: 100 W/ch

Models of area code AU

(6 ohms 120 Hz - 20 kHz, THD 0.09%)

FRONT²⁾: 45 W/ch
CENTER²⁾: 45 W
SURR²⁾: 45 W/ch

(6 ohms 1 kHz, THD 0.7%)

FRONT²⁾: 80 W/ch

CENTER²⁾: 80 W

SURR²⁾: 80 W/ch

(6 ohms 1 kHz, THD 10%)

FRONT²⁾: 100 W/ch

CENTER²⁾: 100 W

SURR²⁾: 100 W/ch

1) Measured under the following conditions:

Area code	Power requirements
CA	120 V AC, 60 Hz
SP	230 V AC, 50 Hz
AU, E51	240 V AC, 50 Hz

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

Inputs (Analog)

CD, MD/TAPE, VIDEO 1, 2, DVD	Sensitivity: 800 mV Impedance: 50 kilohms
------------------------------	--

Inputs (Digital)

DVD (Coaxial)	Sensitivity: – Impedance: 75 ohms
VIDEO 2 (Optical)	Sensitivity: – Impedance: –

— Continued on next page —

FM STEREO FM-AM RECEIVER

9-877-666-02

2004J16-1

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Sony Corporation

Audio Group

Published by Sony Engineering Corporation

SONY®

Outputs (Analog)	
MD/TAPE (OUT), VIDEO 1 (AUDIO OUT)	Voltage: 800 mV Impedance: 10 kilohms
SUB WOOFER	Voltage: 2 V Impedance: 1 kilohms
Reproduction frequency range:	
28 – 20,000 Hz	
Tone	
Gain levels	±6 dB, 1 dB step

FM tuner section

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

AM tuner section

Tuning range	
Models of area code CA	
With 10-kHz tuning scale:	530 - 1,710 kHz ³⁾
With 9-kHz tuning scale:	531 - 1,710 kHz ³⁾
Models of area code E51	
With 10-kHz tuning scale:	530 - 1,610 kHz ³⁾
With 9-kHz tuning scale:	531 - 1,602 kHz ³⁾
Models of area code SP, AU	
With 9-kHz tuning scale:	531 - 1,602 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.

Video section

Inputs/Outputs	
Video:	1 Vp-p, 75 ohms

General

Power requirements	
Area code	Power requirements
CA	120 V AC, 60 Hz
AU	240 V AC, 50 Hz
SP	220 - 230 V AC, 50/60 Hz
E51	120/220/240 V AC, 50/60 Hz

Power consumption	
Area code	Power consumption
CA	225 VA
AU, SP	150 W
E51	165 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	
AU : Australian model	
CA : Canadian model	
E51: Chilean and Peruvian models	
SP : Singapore and Malaysia models	

Design and specifications are subject to change without notice.

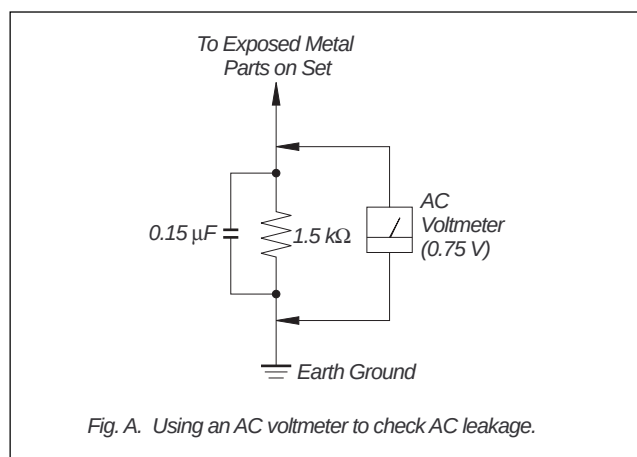
SAFETY CHECK-OUT

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



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.)



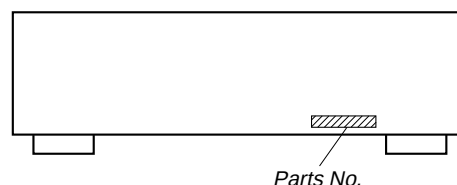
: LEAD FREE MARK

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.
Canadian model	4-252-087-5□
Australian model	4-252-087-6□
Singapore and Malaysia models	4-252-087-7□
E51 model	4-252-088-7□

- Abbreviation
E51 : Chilean and Peruvian models.

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.

TABLE OF CONTENTS

1. GENERAL5.....

2. TEST MODE 9

3. DIAGRAMS

3-1. Circuit Board Location 11

3-2. Block Diagrams – MAIN Section – 12

 – DISPLAY/POWER Section – 13

3-3. Printed Wiring Board

 – DIGITAL Board (Side A) – 14

3-4. Printed Wiring Board

 – DIGITAL Board (Side B) – 15

3-5. Schematic Diagram – DIGITAL Section (1/2) – 16

3-6. Schematic Diagram – DIGITAL Section (2/2) – 17

3-7. Printed Wiring Board – MAIN Section – 18

3-8. Schematic Diagram – MAIN Section (1/2) – 19

3-9. Schematic Diagram – MAIN Section (2/2) – 20

3-10. Printed Wiring Board – VIDEO Board – 21

3-11. Schematic Diagram – VIDEO Board – 21

3-12. Printed Wiring Board – POWER Section – 22

3-13. Schematic Diagram – POWER Section – 23

3-14. Printed Wiring Board – FRONT PANEL Section – ... 24

3-15. Schematic Diagram – FRONT PANEL Section – 25

3-16. IC Pin Function Descriptions 29

4. EXPLODED VIEWS

4-1. Front Panel Section 31

4-2. Chassis Section 32

5. ELECTRICAL PARTS LIST 33

SECTION 1 GENERAL

This section is extracted
from instruction manual.

Main unit

ALPHABETICAL ORDER

A - L

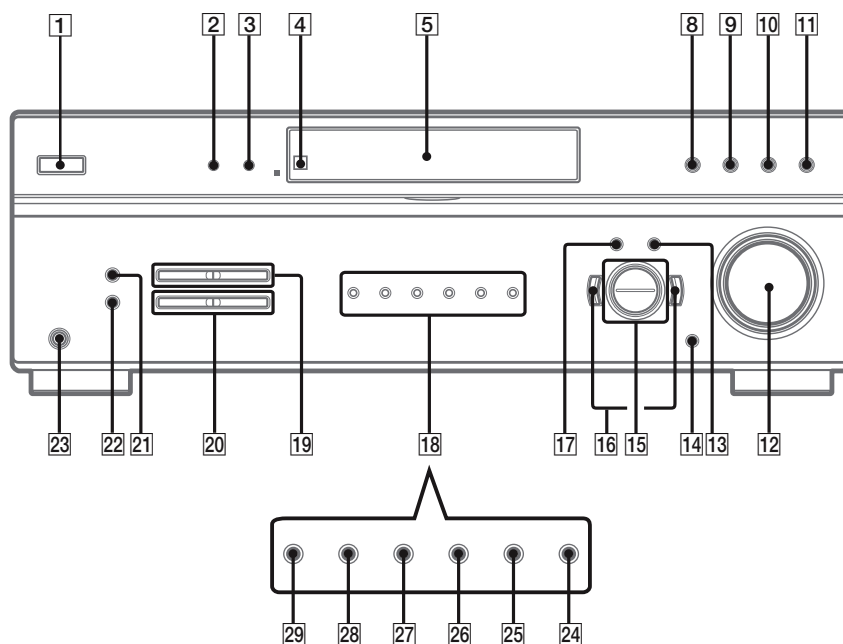
A.F.D. (button/indicator) **9** (27, 28, 29, 45)
 CD **25** (20)
 DIMMER **3** (25)
 DISPLAY **2** (23, 25, 46)
 Display **5** (23, 25)
 DVD **27** (20)
 ENTER **13** (17, 34, 46)
 FM MODE **22** (21)
 Input buttons **18** (20, 30, 33, 34, 46)
 INPUT MODE **14** (26, 30)
 (receptor) **4** (37, 46)

M - Z

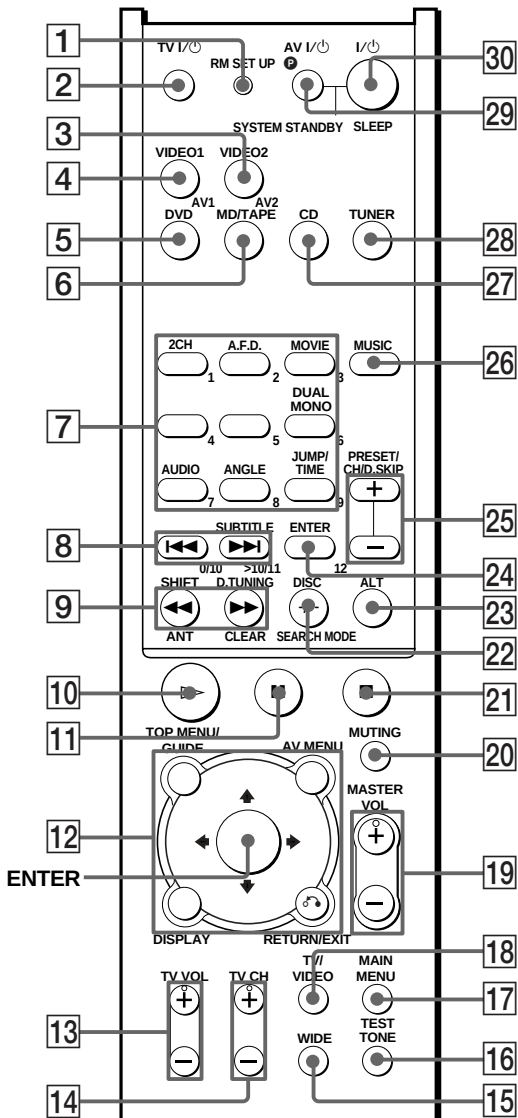
MAIN MENU **17** (17, 30, 32, 34)
 MASTER VOLUME $\pm$ **12** (19, 20, 45)
 MD/TAPE **26** (20)
 MEMORY **21** (22)
 MOVIE (button/indicator) **10** (28, 45)
 MUSIC (button/indicator) **11** (29, 45)
 PHONES (jack) **23** (20, 26, 45)
 PRESET TUNING $\pm$ **19** (22, 48)
 TUNING FM/AM **24** (20, 21, 34)
 TUNING $\pm$ **20** (21, 48)
 VIDEO 1 **29** (20)
 VIDEO 2 **28** (20)

NUMBERS AND SYMBOLS

2CH (button/indicator) **8** (27, 29, 31)
 $\pm$ **15** (17, 30, 32, 34)
 $\lt/\gt$ **16** (17, 30, 32, 34)
 I/⏻ (power) **1** (17, 22, 46, 48)



Remote button description



The tables below show the settings of each button.

Remote Button	Operations	Function
A.F.D. 7	Receiver	Selects the decoding mode for audio sound.

Remote Button	Operations	Function
ALT 23	Remote	When ALT button lights up, it changes the remote key function to activate those buttons with orange printing.
ANGLE 7	DVD player	Selects viewing angle or changes the angles.
ANT 9	VCR	Selects output signal from the antenna terminal: TV signal or VCR program.
AUDIO 7	TV/VCR/ DVD player	Changes the sound to Multiplex, Bilingual or Multi channel TV Sound.
AV MENU 12	VCR/ Satellite tuner/ DVD player	Displays menu.
AV1 4 and AV2 3	Remote	Select the command mode of the remote.
AV I/O 29	TV/VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck	Turns the audio and video components on or off.
CD 27	Receiver	To listen to compact disc.
CLEAR 9	DVD player	Press if you make a mistake when you press the numeric button or press to return to continuous play etc.
DISC 22	CD player/ VCD player	Selects a disc directly (multi-disc changer only).
DISPLAY 12	TV/VCR/ VCD player/ LD player/ DVD player	Selects information displayed on the TV screen.
D.TUNING 9	Receiver	Enters direct tuning mode.
DUAL MONO 7	Receiver	Selects the language you want during digital broadcast.
DVD 5	Receiver	To watch DVD.

Remote Button	Operations	Function
ENTER [24]	TV/VCR/ Satellite tuner/ LD player/ MD deck/ DAT deck/ Tape deck	After selecting a channel, disc or track using the numeric buttons, press to enter the value.
ENTER [12]	VCR/ Satellite tuner/ DVD player	Enters the selection.
JUMP/ TIME [7]	CD player/ VCD player/ DVD player	Shows the time or displays the playing time of disc, etc.
MAIN MENU [17]	Receiver	Selects the menu of the receiver.
MASTER VOL +/- [19]	Receiver	Adjusts the master volume of the receiver.
MD/TAPE [6]	Receiver	To listen to Minidisc or audio tape.
MOVIE [7]	Receiver	Selects the pre-programmed sound fields for movie.
MUSIC [26]	Receiver	Selects the pre-programmed sound fields for music.
MUTING [20]	Receiver	Mutes the sound from the receiver.
PRESET/ CH/	Receiver	Selects preset stations.
D.SKIP +/- [25]	TV/VCR/ Satellite tuner	Selects preset channels.
	CD player/ VCD player/ DVD player/ MD deck	Skips discs (multi-disc changer only).
RETURN/ EXIT [12]	VCD player/ LD player/ DVD player	Returns to the previous menu.
	Satellite tuner	Exits the menu.
RM SET UP [1]	Remote	To set up the remote.
SEARCH MODE [22]	DVD player	Selects searching mode. Press to select the unit for search (track, index, etc.)
SHIFT [9]	Receiver	Selects a memory page for presetting radio stations or tuning to preset stations.

Remote Button	Operations	Function
SLEEP [30]	Receiver	Activates the sleep function and the duration which the receiver turns off automatically.
SUBTITLE [8]	DVD player	Changes the subtitles.
SYSTEM STANDBY (Press AV I/⏻ [29] and I/⏻ [30] at the same time)	Receiver/TV/ VCR/Satellite tuner/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck	Turns off the receiver and other Sony audio/video components.
TEST TONE [16]	Receiver	Outputs test tone.
TOP MENU/ GUIDE [12]	DVD player	Displays DVD title.
TUNER [28]	Satellite tuner	Displays guide menu.
	Receiver	To listen to radio programs.
TV CH +/- [14]	TV	Selects preset TV channels.
TV/VIDEO [18]	TV	Selects input signal: TV input or video input.
TV VOL +/- [13]	TV	Adjusts the volume of the TV.
TV I/⏻ [2]	TV	Turns the TV on or off.
VIDEO1 [4]	Receiver	To watch VCR. (VTR mode 3)
VIDEO2 [3]	Receiver	To watch VCR. (VTR mode 1)
WIDE [15]	TV	Selects the wide picture mode.
I/⏻ [30]	Receiver	Turns the receiver on or off.
2CH [7]	Receiver	Selects 2CH STEREO mode.

Remote Button	Operations	Function
 	Receiver	Selects a menu item.
 	Receiver	Adjusts or changes the setting.
 	VCR/ Satellite tuner/ DVD player	Selects a menu item.
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.
	CD player/ VCD player/ LD player/ MD deck/ DAT deck	Selects track numbers. 0/10 selects track 10.
	TV/VCR/ Satellite tuner	Selects channel numbers.
>10/11 	CD player/ VCD player/ LD player/ MD deck	Selects track numbers over 10.
 	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Skips tracks.
 	CD player/ VCD player/ LD player/ DVD player/ MD deck	Searches tracks in the forward or backward direction.
	VCR/ DAT deck/ Tape deck	Fastforwards or rewinds.

Remote Button	Operations	Function
 	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Starts playback.
 	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Pauses playback or record. (Also starts recording with components in recording standby.)
 	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Stops playback.
 	VCD player/ LD player/ DVD player	Returns to the previous menu or exits the menu.
-/-- 	TV	Selects the channel entry mode, either one or two digit.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component the above operation may not be possible or may operate differently than described.
- When you press input buttons (VIDEO1, VIDEO2 or DVD), the input mode of the TV might not switch to the corresponding input mode that you want. In this case, press TV/VIDEO button to switch the input mode of the TV.
- To activate the buttons with orange printing, press 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.

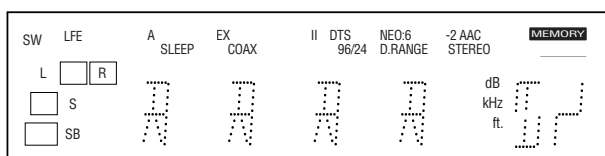
FLUORESCENT INDICATOR TUBE TEST MODE

- 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.
1. All segments turn on.



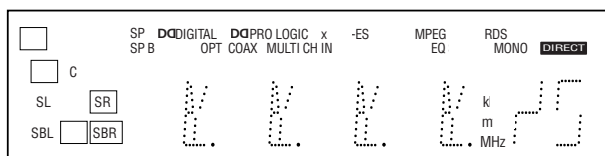
2CH, **A. F. D.**, **MOVIE** and **MUSIC** LED turn on.

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



A.F.D. and **MUSIC** LED turn on.

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



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

4. Press the **VIDEO 1** button, All segments and all LEDs turn off.
5. Every pressing of the **VIDEO 1** 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 **TUNER FM/AM** buttons simultaneously, press the power **I/⏻** button to turn on the main power.
“REST 25” 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.

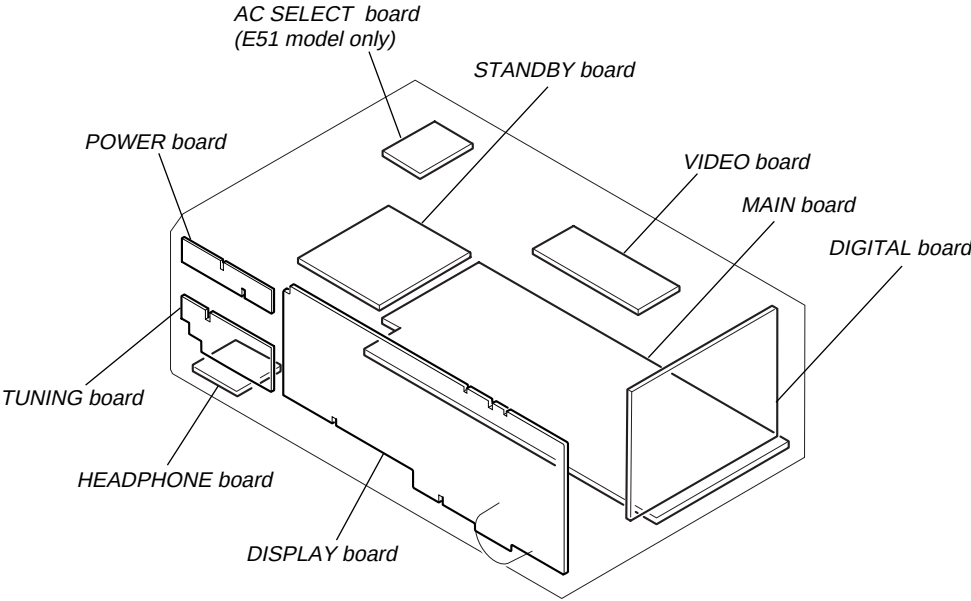
COMMAND MODE SELECTION MODE

- 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.

MEMO

SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARD LOCATION



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

For schematic diagrams.

Note:

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

Note:

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

Note:

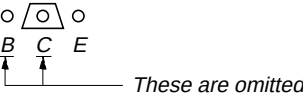
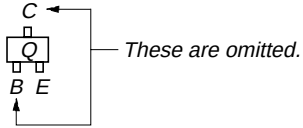
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- No mark : FM
- * : Impossible to measure
- 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
 - AUS : Australian model
 - CND : Canadian model
 - E51 : Chilean and Peruvian models
 - MY : Malaysia model
 - SP : Singapore model

For printed wiring boards.

Note:

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

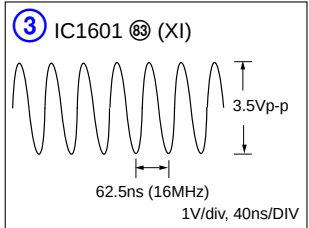
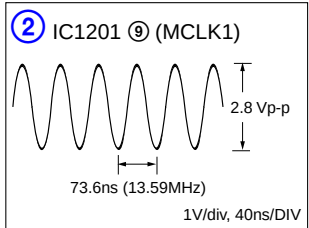
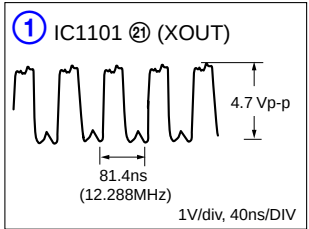


Caution:

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

• Waveforms

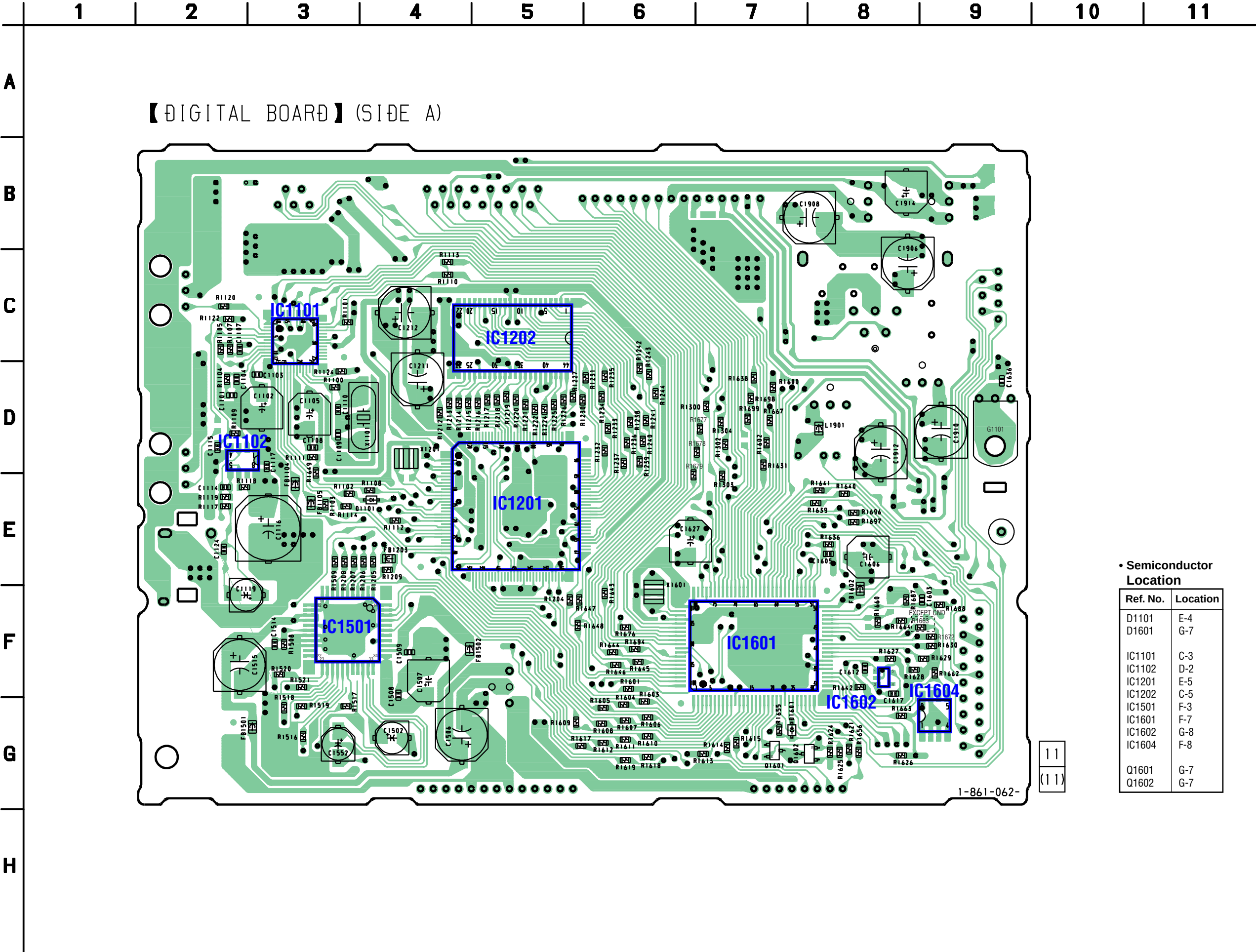
DIGITAL Board

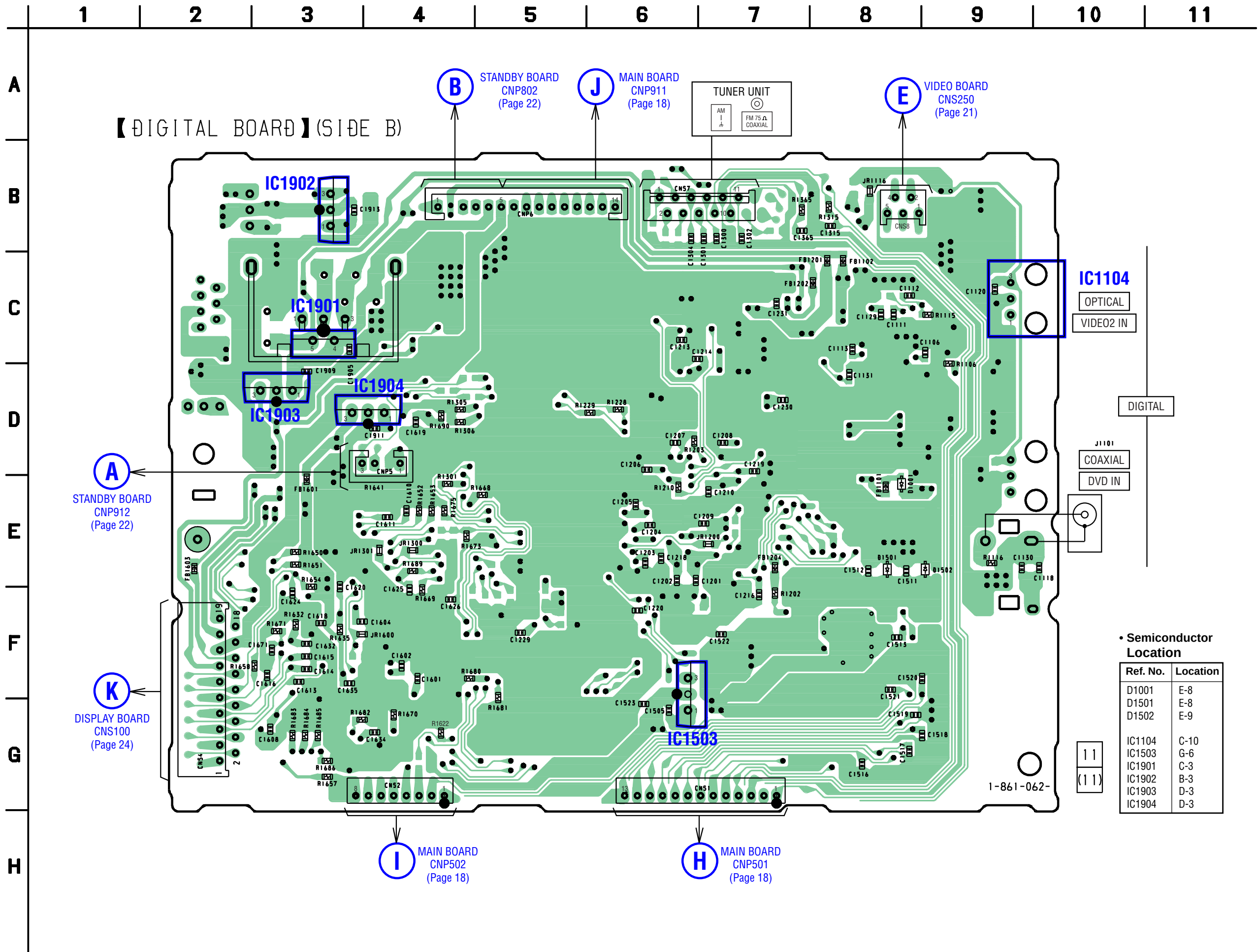


3-2. BLOCK DIAGRAMS – MAIN SECTION –







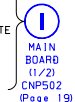


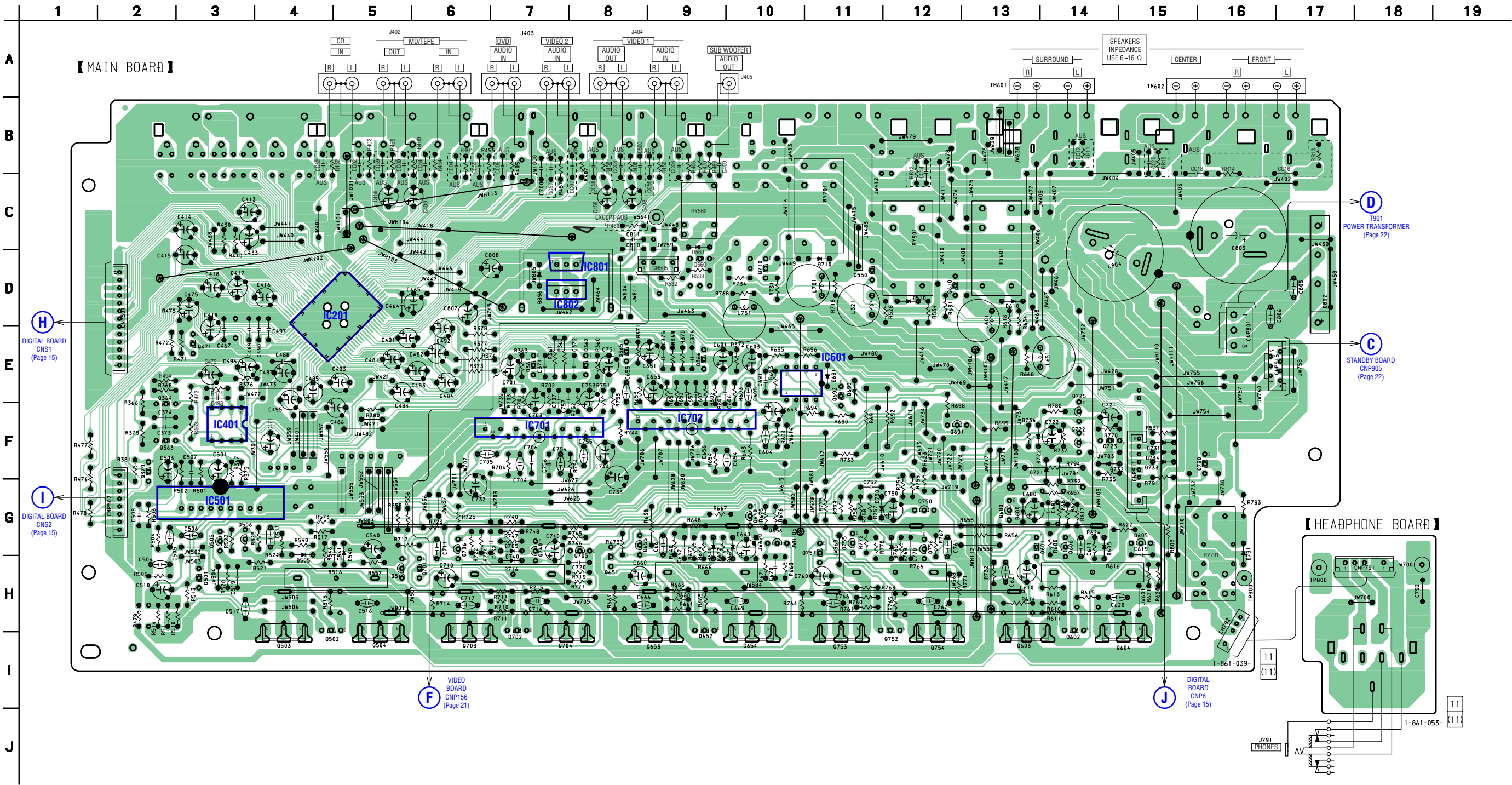
• Semiconductor Location

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

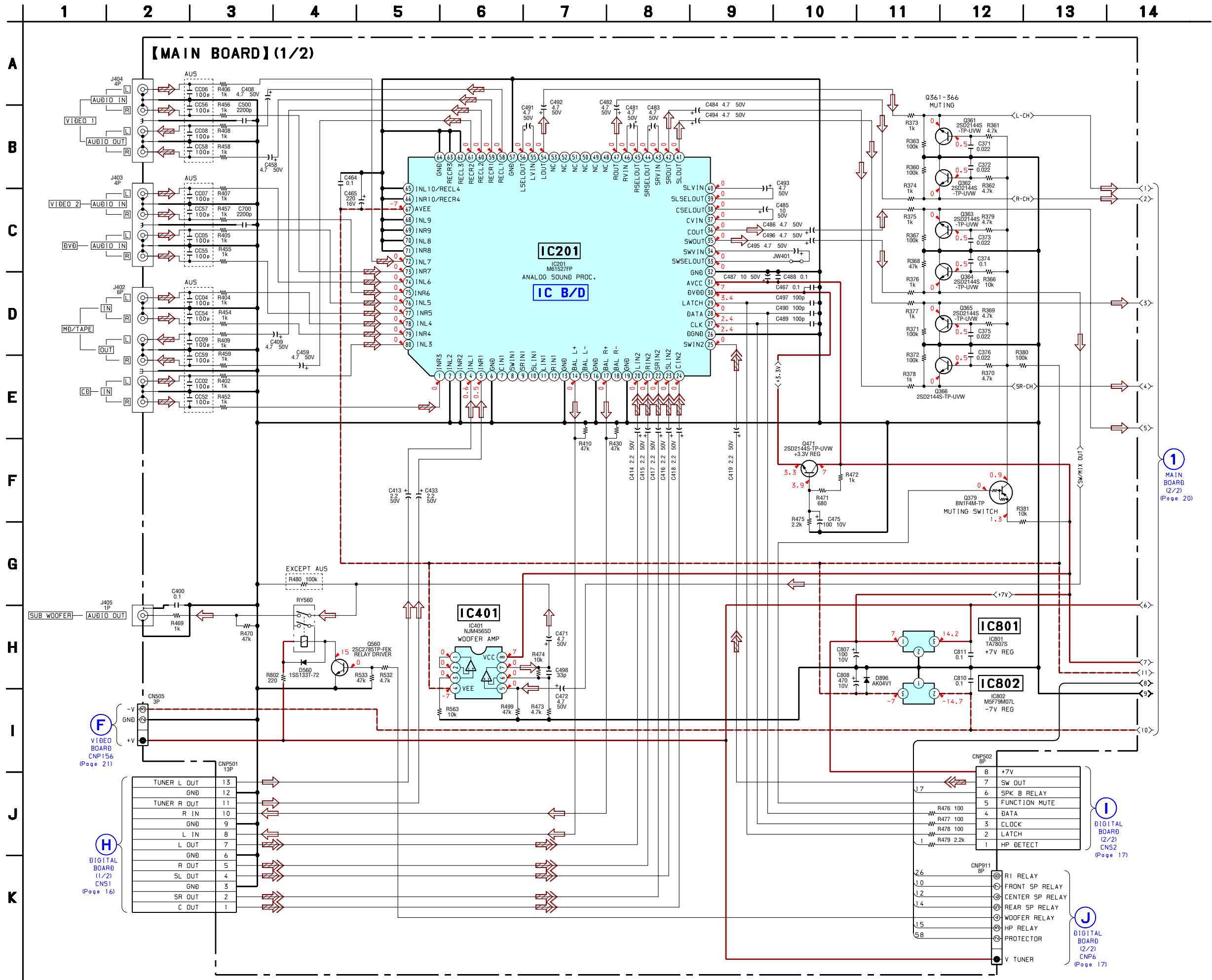


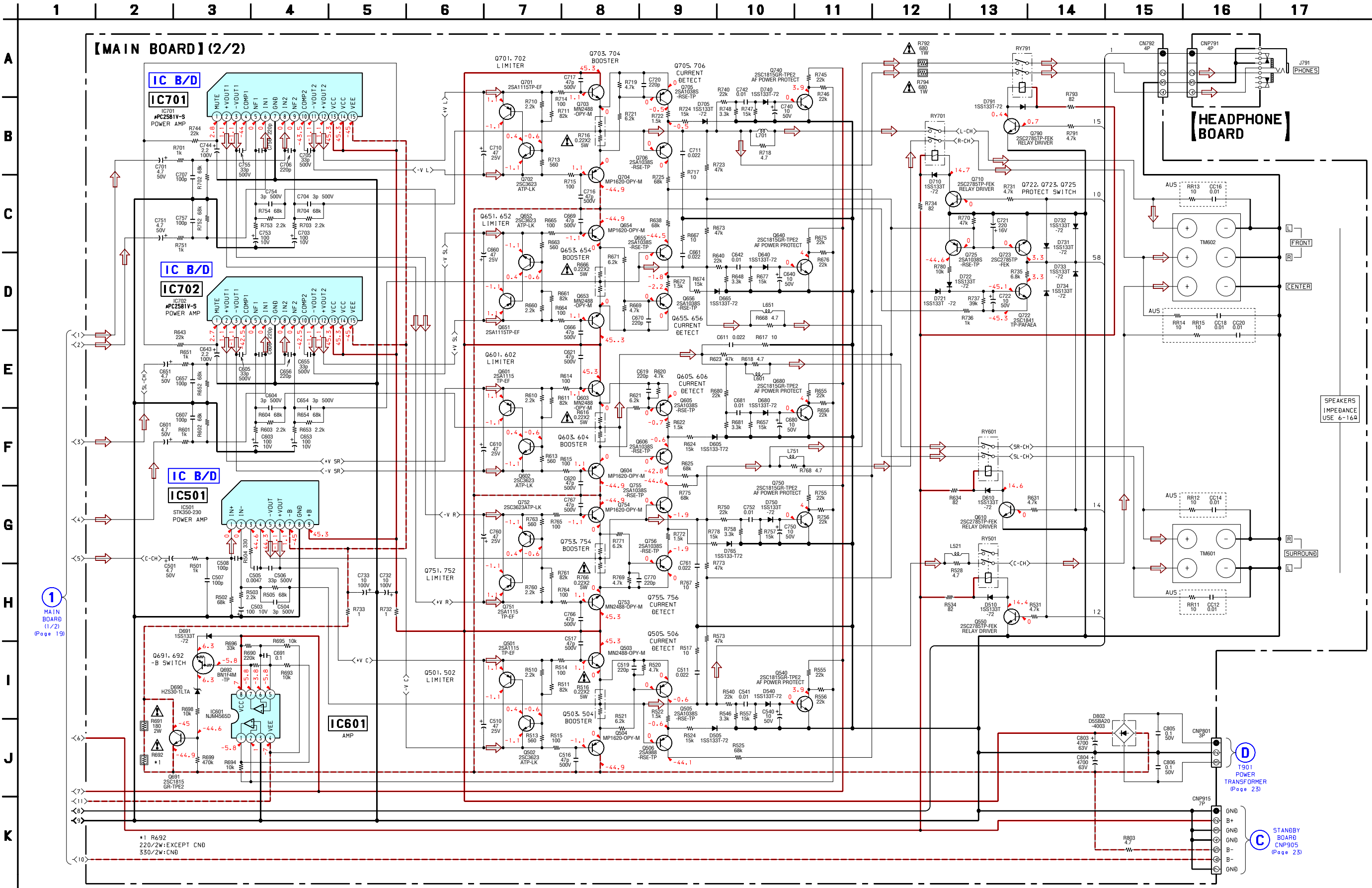
K
DISPLAY
BOARD
CNS100
(Page 25)





3-8. SCHEMATIC DIAGRAM – MAIN SECTION (1/2) –

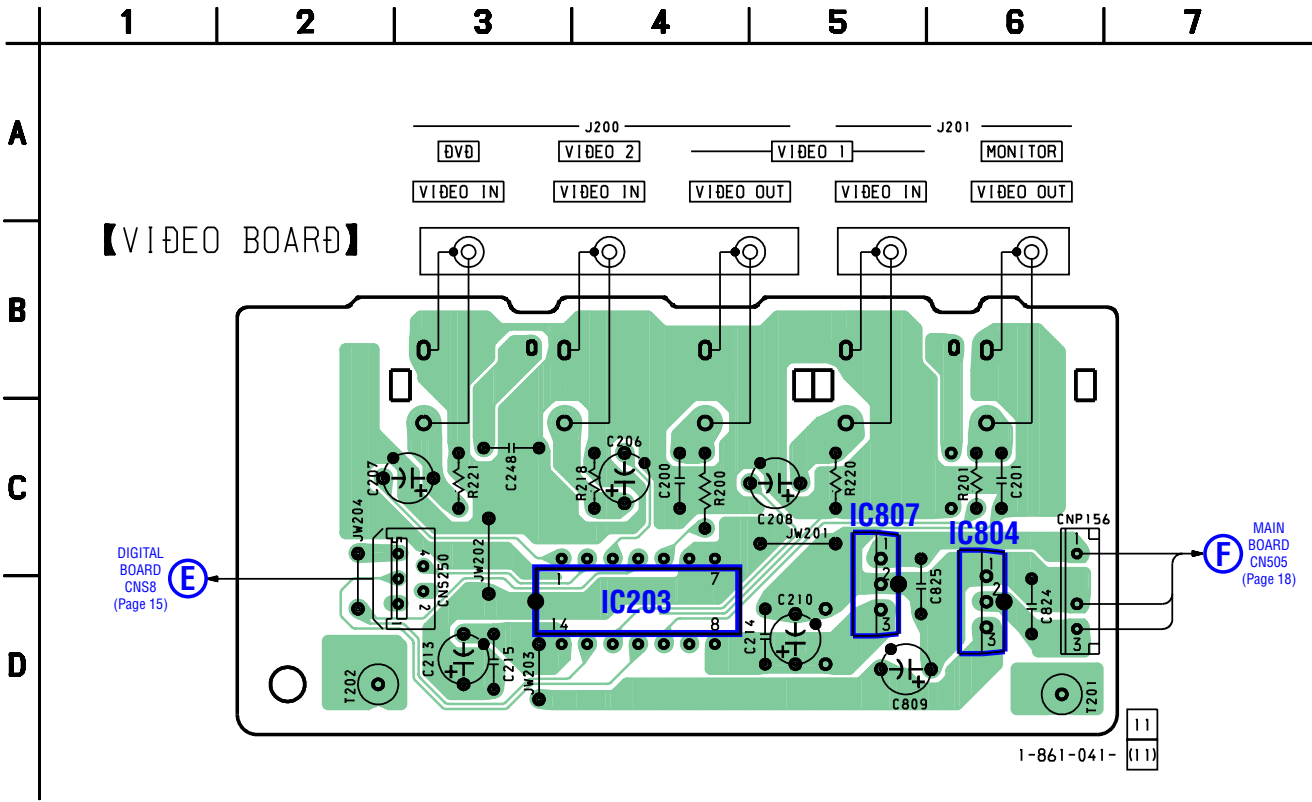




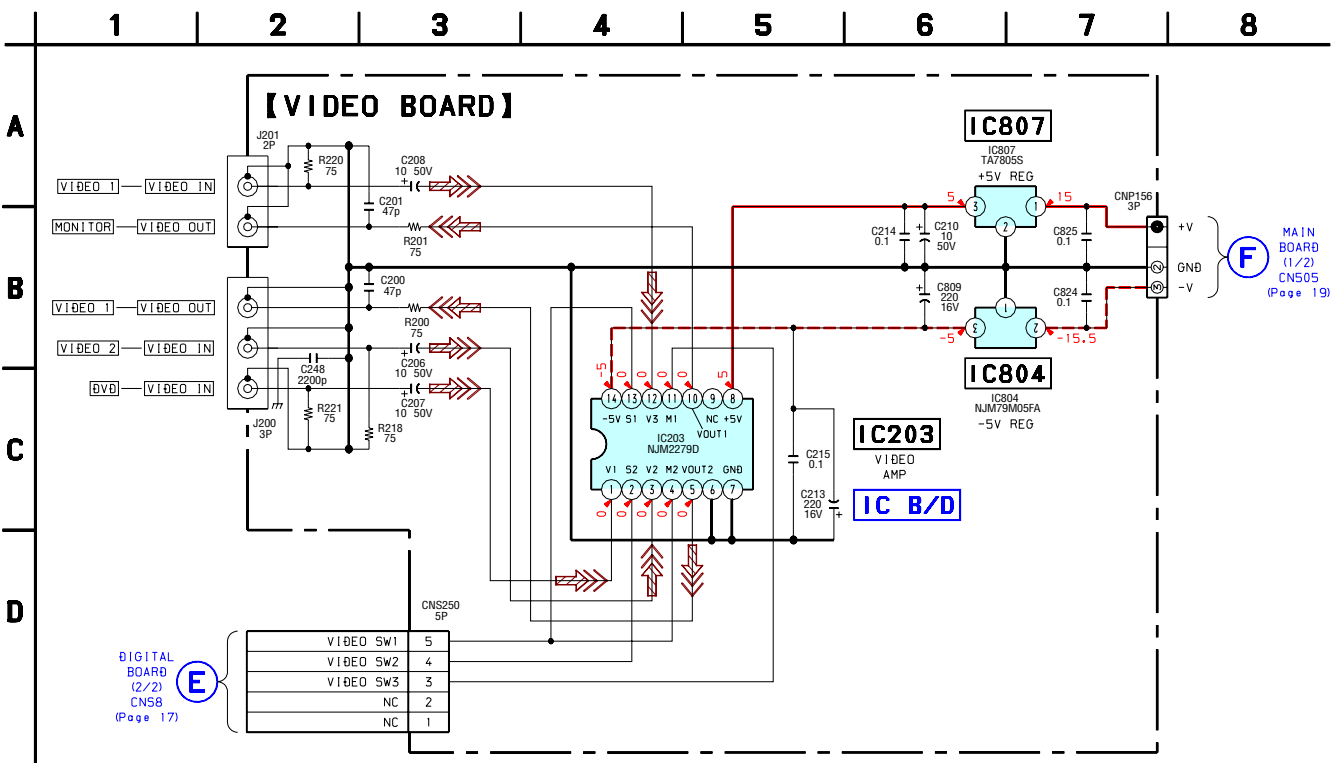
3-10. PRINTED WIRING BOARD – VIDEO BOARD –

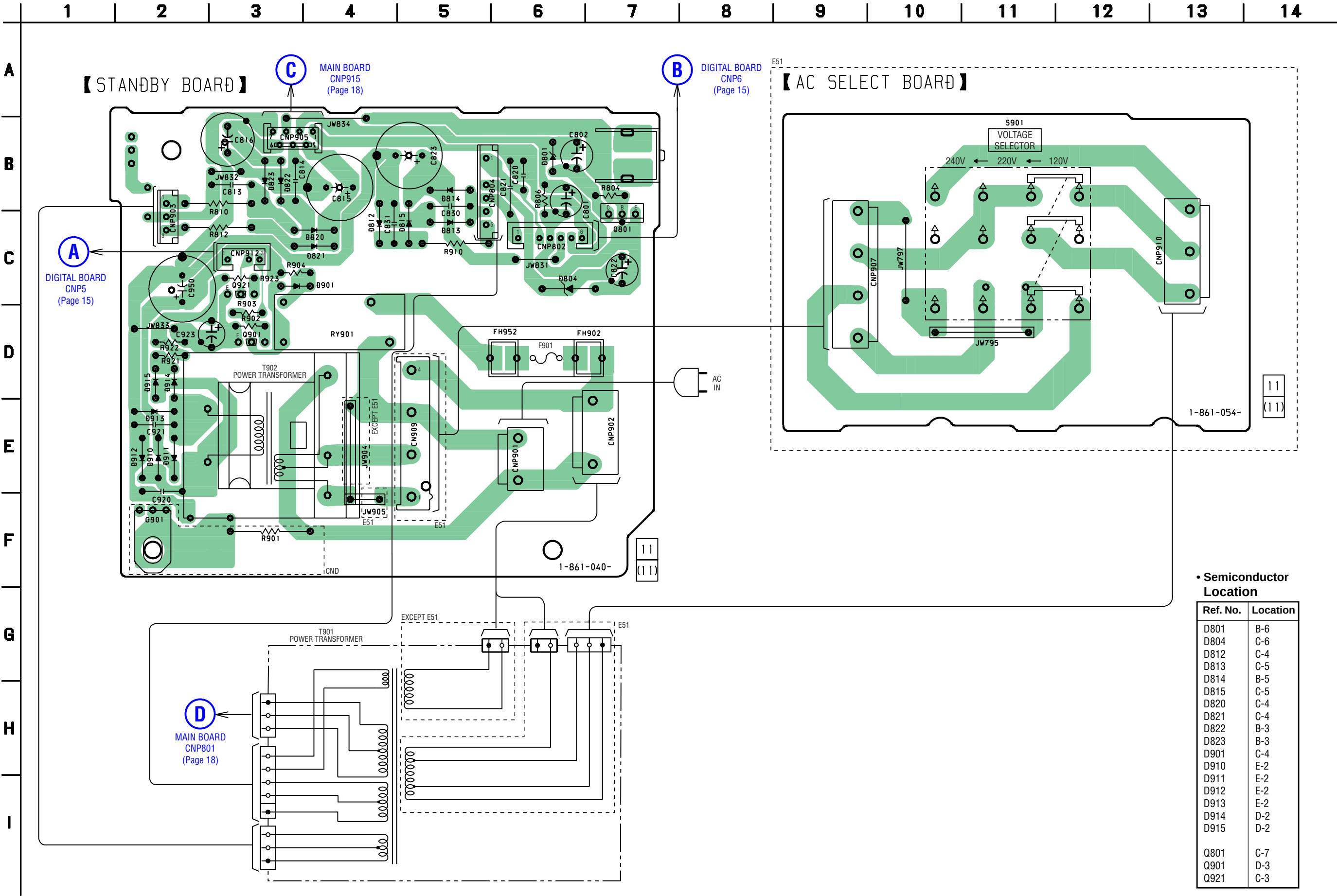
• See page 11 for Circuit Boards Location.

•  : Uses unleaded solder.



3-11. SCHEMATIC DIAGRAM – VIDEO BOARD –

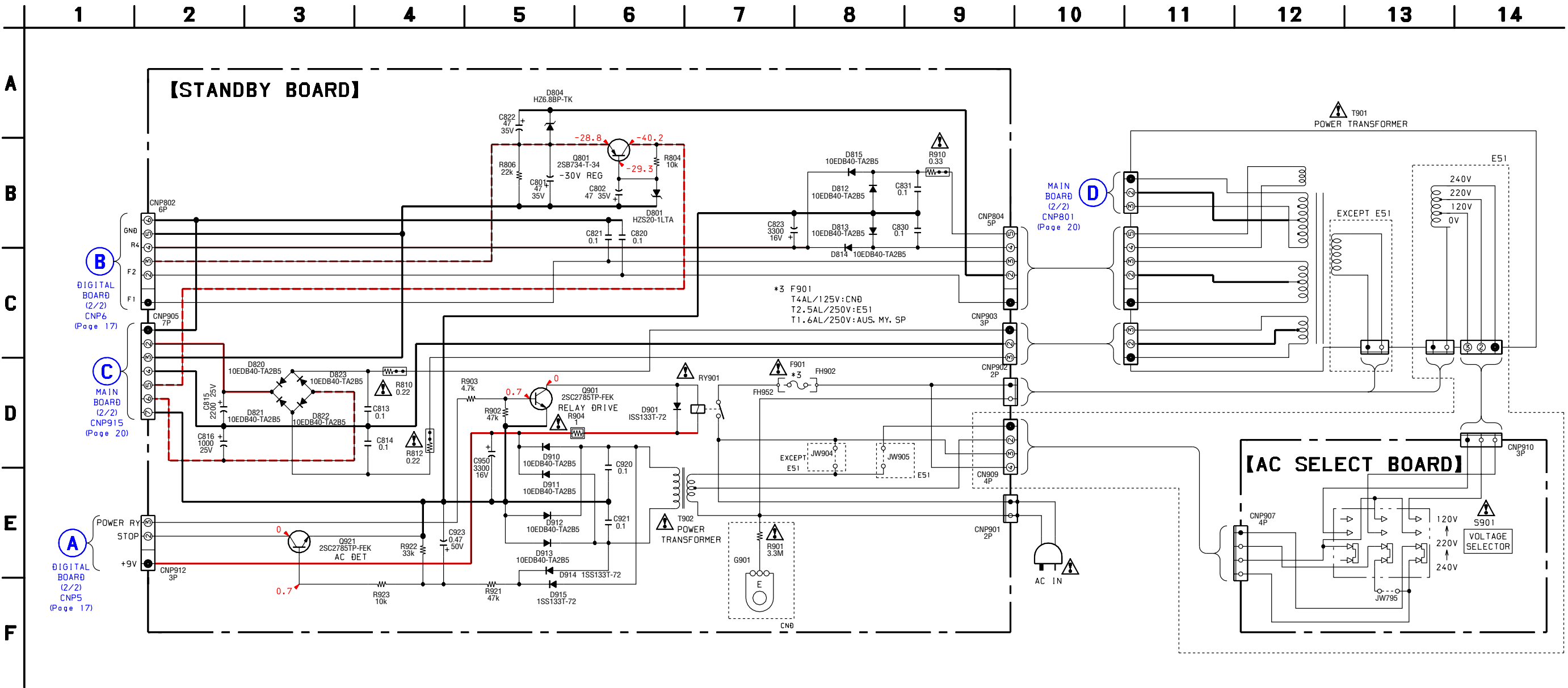


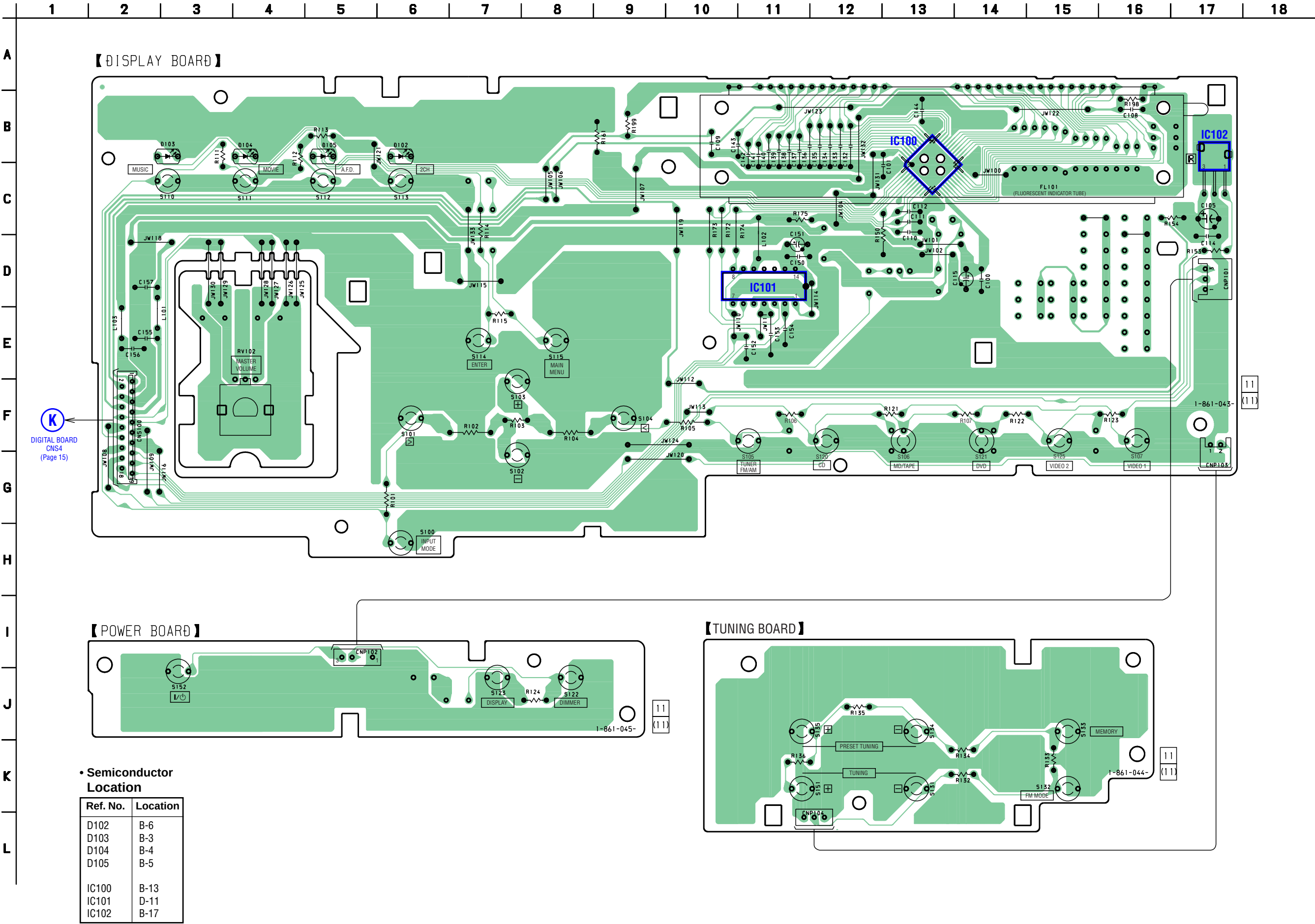


• Semiconductor Location

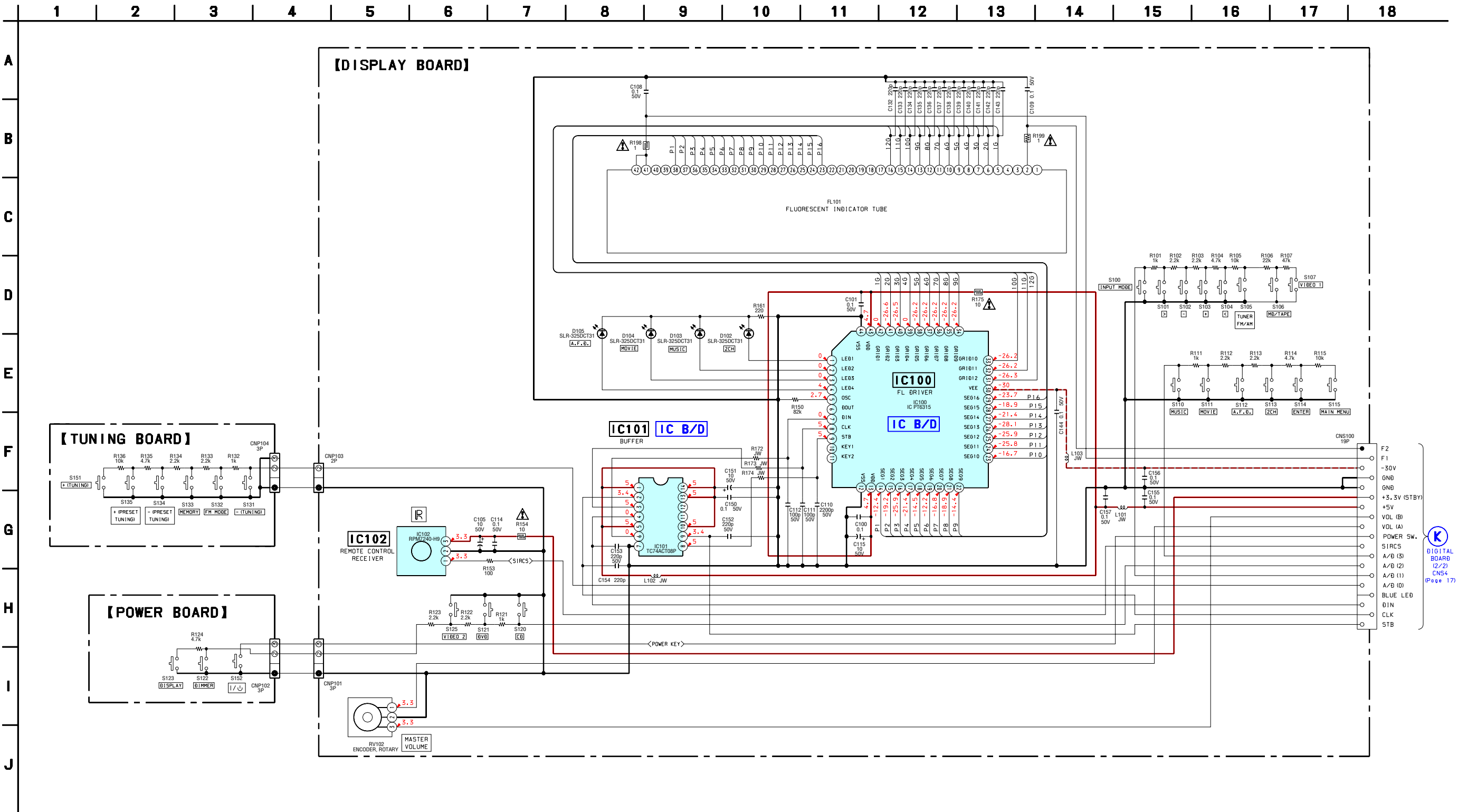
Ref. No.	Location
D801	B-6
D804	C-6
D812	C-4
D813	C-5
D814	B-5
D815	C-5
D820	C-4
D821	C-4
D822	B-3
D823	B-3
D901	C-4
D910	E-2
D911	E-2
D912	E-2
D913	E-2
D914	D-2
D915	D-2
Q801	C-7
Q901	D-3
Q921	C-3

3-13. SCHEMATIC DIAGRAM – POWER SECTION –





3-15. SCHEMATIC DIAGRAM – FRONT PANEL SECTION –

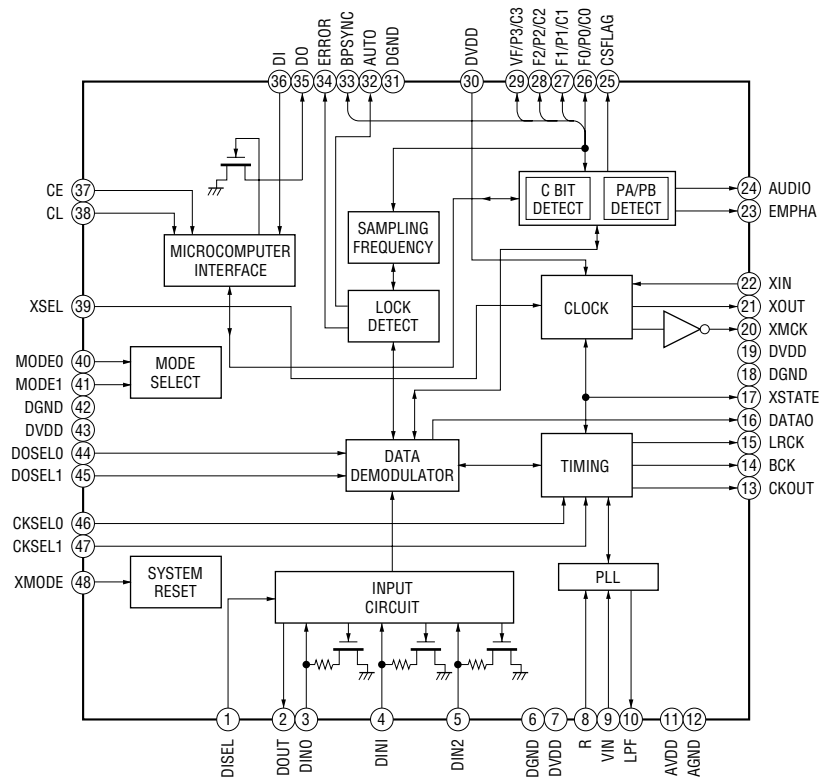


DIGITAL BOARD (2/2) CNS4 (Page 17)

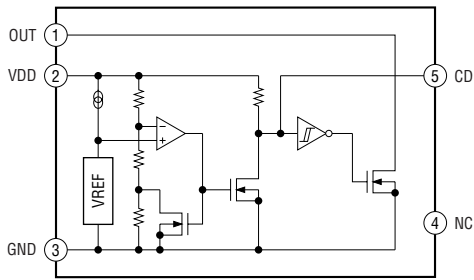
STR-K760P

• IC BLOCK DIAGRAMS

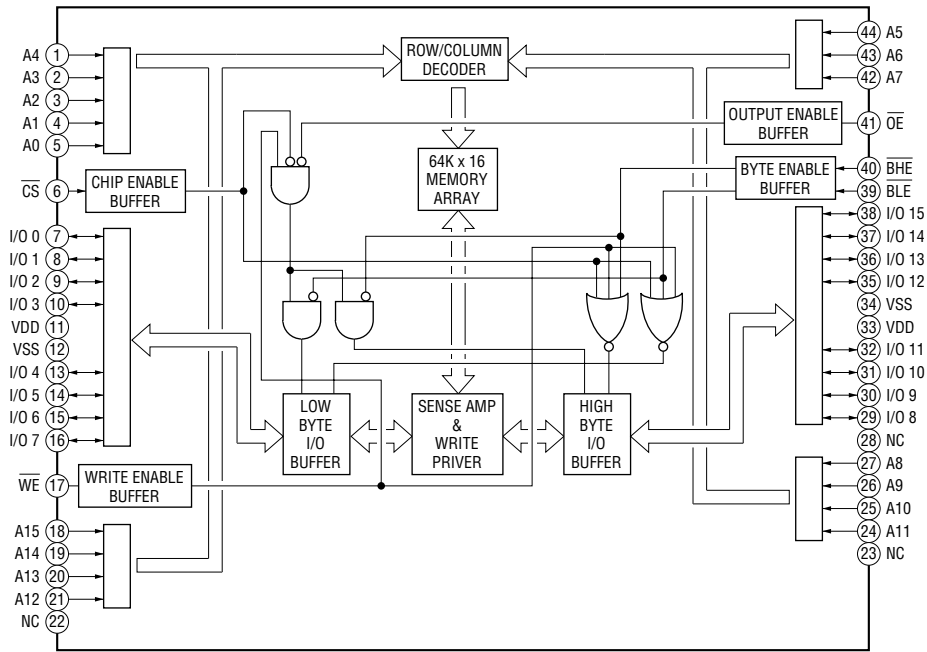
IC1101 LC89056W-E (DIGITAL BOARD)



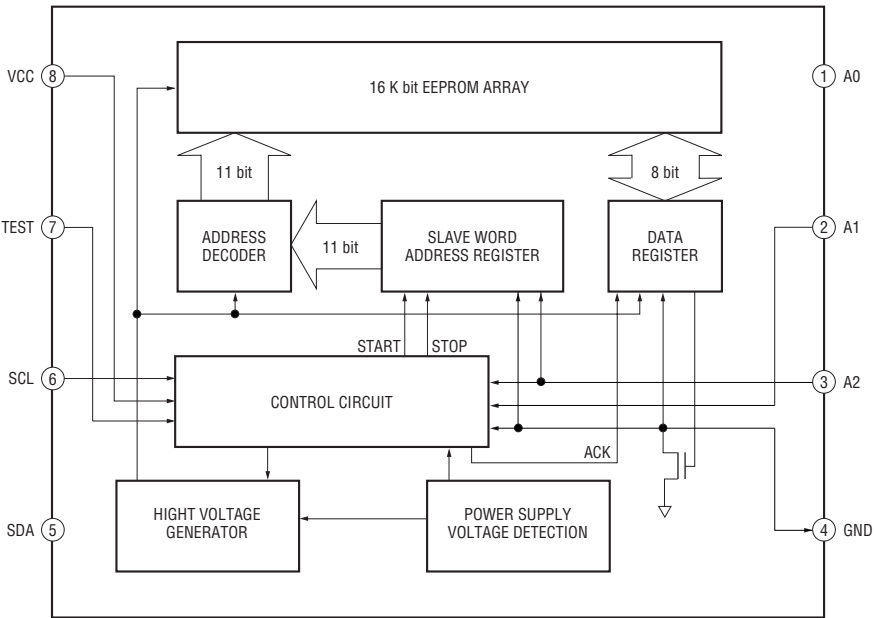
IC1602 PST3629NR (DIGITAL BOARD)



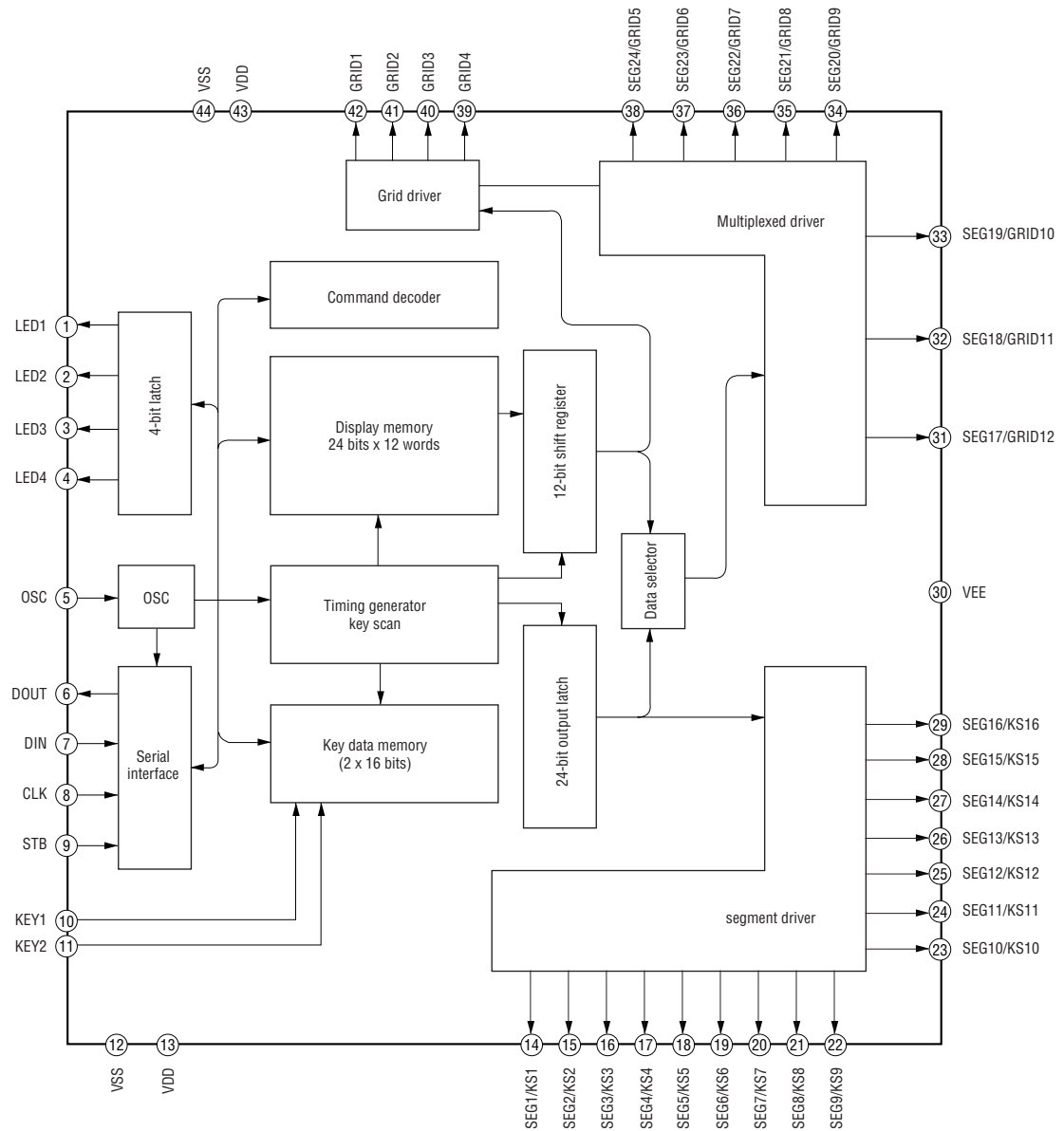
IC1202 IS61LV6416-10TLT (DIGITAL BOARD)



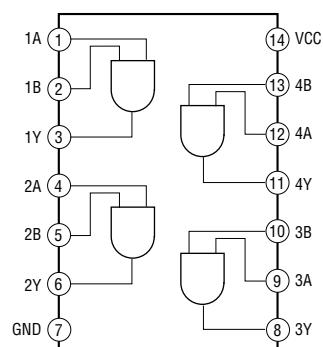
IC1604 BR24L16F-WE2 (DIGITAL BOARD)



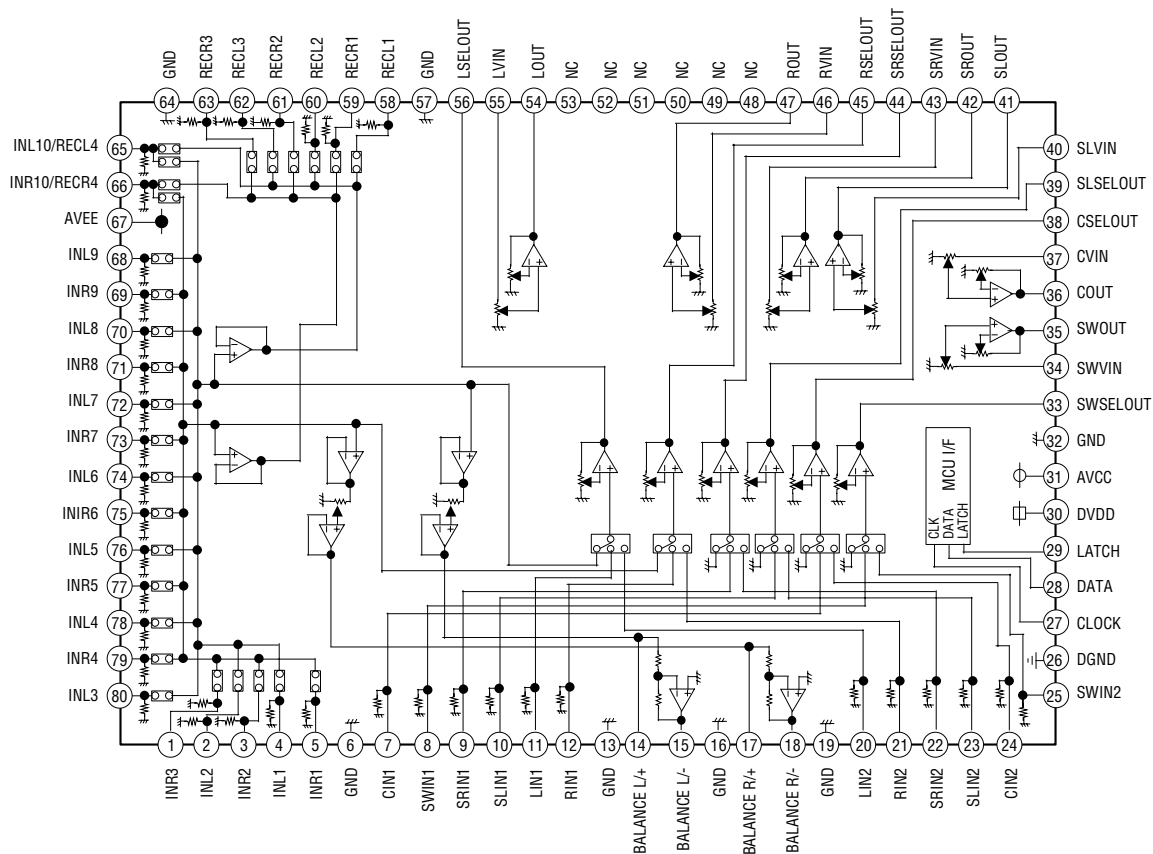
IC100 PT6315 (DISPLAY BOARD)



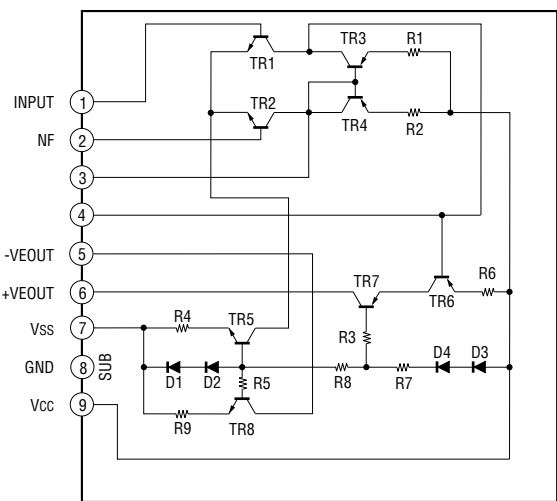
IC101 TC74ACT08P (DISPLAY BOARD)



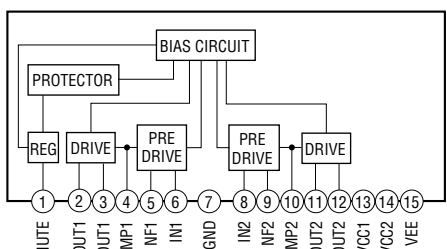
IC201 M61527FP (MAIN BOARD)



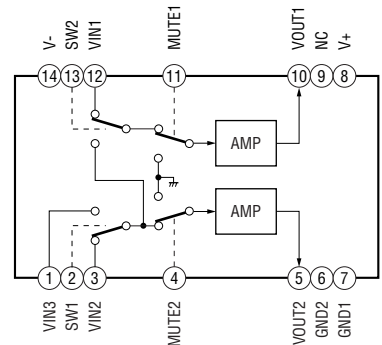
IC501 STK350-230 (MAIN BOARD)



IC701, 702 μ PC2581V-S (MAIN BOARD)



IC203 NJM2279D (VIDEO BOARD)



3-16. IC PIN FUNCTION DESCRIPTIONS

• 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	—	Short to ground terminal
47	CRYSTAL SEL	—	Short to ground terminal
48	STOP	I	AC off detect signal input
49	MD0	I	Operation mode setting input
50	MD1	I	Operation mode setting input

Pin No.	Pin Name	I/O	Description
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
89	SW2	O	Video select control signal output
90	SW1	O	Video muting control signal output
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
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

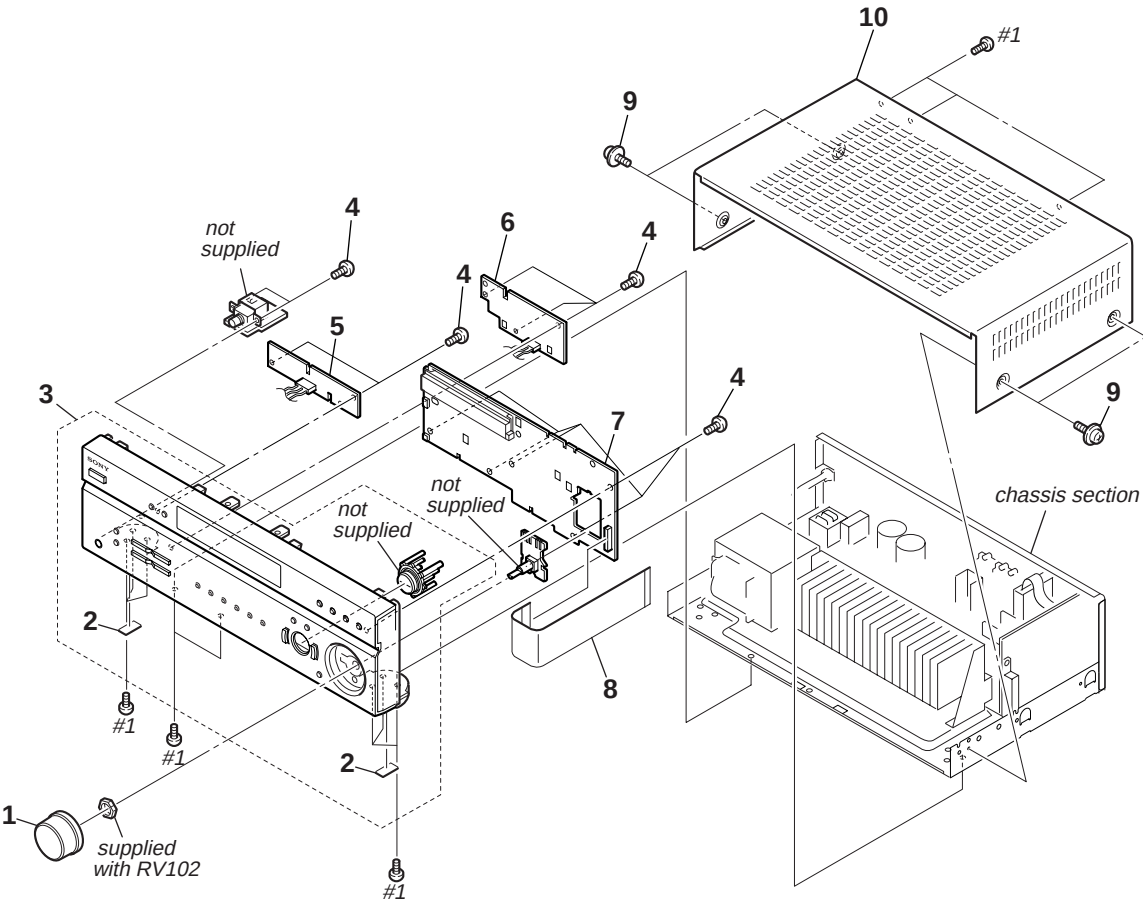
NOTE:

- XX, -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.
 - The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
AUS : Australian model
CND : Canadian model
E51 : Chilean and Peruvian models
MY : Malaysia model
SP : Singapore model

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

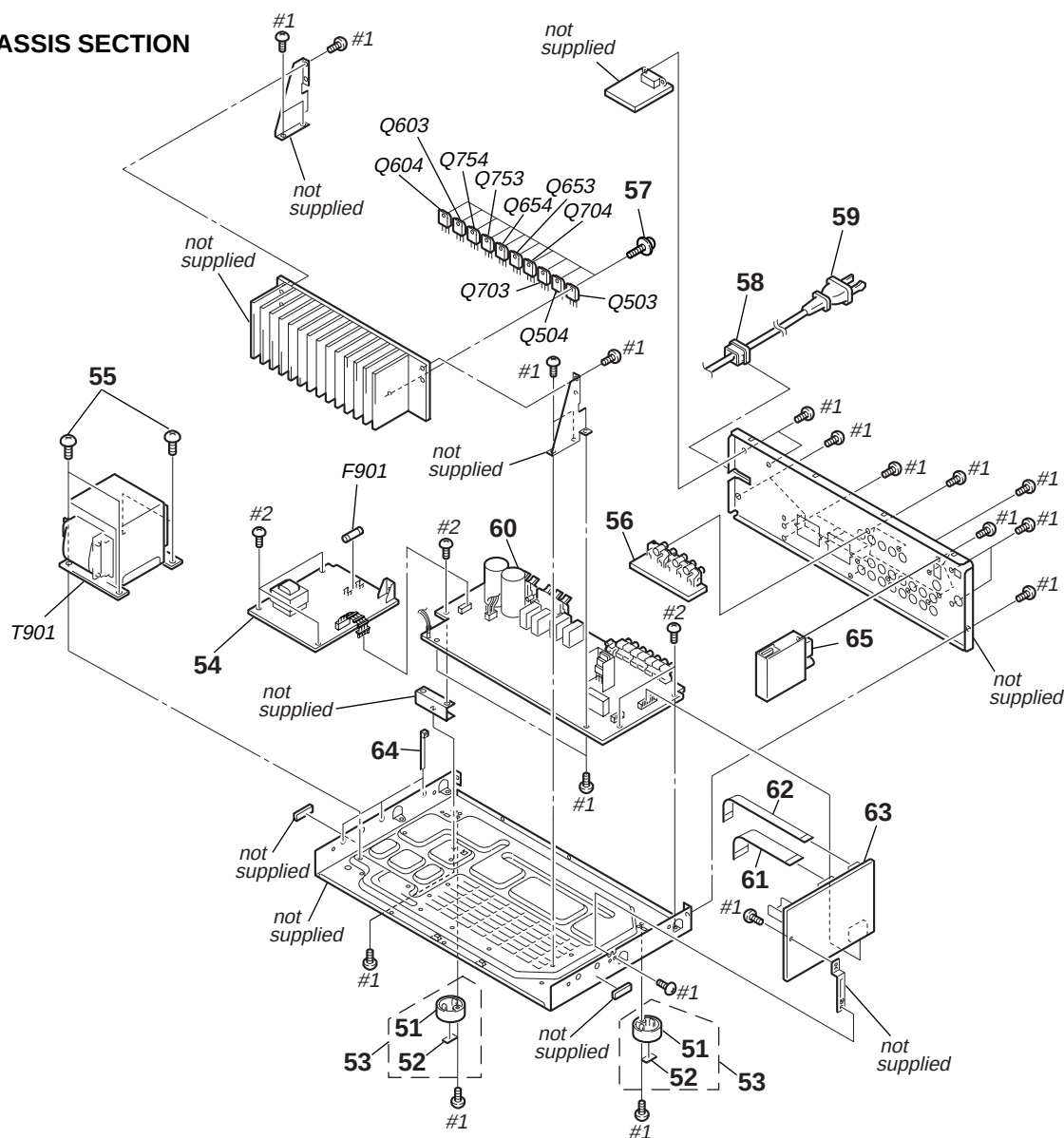
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	4-232-113-12	KNOB (VOL)		7	A-4750-437-A	DISPLAY BOARD, COMPLETE	
2	4-977-358-01	CUSHION		8	1-773-114-11	WIRE (FLAT TYPE) (19 CORE)	
3	X-4956-132-1	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	
5	1-861-045-11	POWER BOARD		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
6	1-861-044-11	TUNING BOARD					

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	4-232-237-01	FOOT (DIA. 30)		65	1-693-577-13	TUNER UNIT (CND,E51)	
52	4-977-358-01	CUSHION		65	1-693-580-24	TUNER UNIT (AUS,MY,SP)	
53	X-4953-448-1	FOOT ASSY		△ F901	1-532-464-32	FUSE (T2.5AL/250V)(E51)	
54	A-4750-409-A	STANDBY BOARD, COMPLETE (AUS,MY,SP)		△ F901	1-532-503-51	FUSE (T1.6AL/250V)(AUS,MY,SP)	
54	A-4750-423-A	STANDBY BOARD, COMPLETE (E51)		△ F901	1-533-452-12	FUSE, GLASS TUBE (DIA. 5)(T4.0AL/125V)	(CND)
54	A-4750-608-A	STANDBY BOARD, COMPLETE (CND)		Q503	8-749-010-25	IC MN2488-OPY-M	
55	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q504	8-749-010-26	IC MP1620-OPY-M	
56	A-4750-410-A	VIDEO BOARD, COMPLETE		Q603	8-749-010-25	IC MN2488-OPY-M	
57	3-905-609-01	SCREW (TRANSISTOR)		Q604	8-749-010-26	IC MP1620-OPY-M	
* 58	3-703-244-00	BUSHING (2104), CORD		Q653	8-749-010-25	IC MN2488-OPY-M	
△ 59	1-777-071-23	POWER SUPPLY CORD (E51,MY,SP)		Q654	8-749-010-26	IC MP1620-OPY-M	
△ 59	1-783-820-11	CORD, POWER (CND)		Q703	8-749-010-25	IC MN2488-OPY-M	
△ 59	1-827-295-21	CORD, POWER (AUS)		Q704	8-749-010-26	IC MP1620-OPY-M	
60	A-4750-435-A	MAIN BOARD, COMPLETE (CND)		Q753	8-749-010-25	IC MN2488-OPY-M	
60	A-4750-445-A	MAIN BOARD, COMPLETE (E51,MY,SP)		Q754	8-749-010-26	IC MP1620-OPY-M	
60	A-4752-673-A	MAIN BOARD, COMPLETE (AUS)		△ T901	1-443-185-11	POWER TRANSFORMER (CND)	
61	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)		△ T901	1-443-186-11	POWER TRANSFORMER (E51)	
62	1-575-662-31	WIRE (FLAT TYPE) (5 CORE) (EXCEPT CND)		△ T901	1-443-211-11	POWER TRANSFORMER (AUS,MY,SP)	
63	A-4750-438-A	DIGITAL A BOARD, COMPLETE (CND)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
63	A-4750-442-A	DIGITAL A BOARD, COMPLETE (AUS)		#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
63	A-4750-446-A	DIGITAL A BOARD, COMPLETE (MY,SP)					
63	A-4750-449-A	DIGITAL A BOARD, COMPLETE (E51)					
64	3-701-748-00	CLAMP					

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

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

SECTION 5 ELECTRICAL PARTS LIST

AC SELECT

DIGITAL

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -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

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

- Abbreviation
AUS : Australian model
CND: Canadian model
E51 : Chilean and Peruvian models
MY : Malaysia model
SP : Singapore model

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

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

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

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

		< CONNECTOR >					
CNP907	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P (E51)		C1202	1-164-156-11	CERAMIC CHIP 0.1uF	25V
* CNP910	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P (E51)		C1203	1-164-156-11	CERAMIC CHIP 0.1uF	25V
		< SWITCH >		C1204	1-164-156-11	CERAMIC CHIP 0.1uF	25V
Δ S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (E51)		C1205	1-164-156-11	CERAMIC CHIP 0.1uF	25V
		*****		C1206	1-164-156-11	CERAMIC CHIP 0.1uF	25V
	A-4750-438-A	DIGITAL BOARD, COMPLETE (CND)		C1207	1-164-156-11	CERAMIC CHIP 0.1uF	25V
	A-4750-442-A	DIGITAL BOARD, COMPLETE (AUS)		C1208	1-164-156-11	CERAMIC CHIP 0.1uF	25V
	A-4750-446-A	DIGITAL BOARD, COMPLETE (MY,SP)		C1209	1-164-156-11	CERAMIC CHIP 0.1uF	25V
	A-4750-449-A	DIGITAL BOARD, COMPLETE (E51)		C1210	1-164-156-11	CERAMIC CHIP 0.1uF	25V
		*****		C1211	1-128-396-11	ELECT CHIP 470uF	20% 10V
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		C1212	1-128-396-11	ELECT CHIP 470uF	20% 10V
		< CAPACITOR >		C1213	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1101	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1214	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1102	1-126-204-11	ELECT CHIP 47uF	20% 16V	C1216	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1103	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1218	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1104	1-162-974-11	CERAMIC CHIP 0.01uF	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				
C1111	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1300	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1112	1-162-974-11	CERAMIC CHIP 0.01uF	50V	C1301	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1113	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1302	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1114	1-162-905-11	CERAMIC CHIP 1PF	0.25PF 50V	C1304	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1115	1-162-923-11	CERAMIC CHIP 47PF	5% 50V	C1315	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1116	1-110-530-11	ELECT CHIP 1000uF	20% 6.3V	C1365	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
C1117	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1502	1-124-778-00	ELECT CHIP 22uF	20% 6.3V
C1118	1-115-416-11	CERAMIC CHIP 0.001uF	5% 25V	C1505	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1119	1-124-778-00	ELECT CHIP 22uF	20% 6.3V	C1506	1-128-396-11	ELECT CHIP 470uF	20% 10V
C1120	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1507	1-124-779-00	ELECT CHIP 10uF	20% 16V
C1124	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1508	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1129	1-115-416-11	CERAMIC CHIP 0.001uF	5% 25V	C1509	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1130	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1511	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1131	1-162-927-11	CERAMIC CHIP 100PF	5% 50V	C1512	1-162-995-11	CERAMIC CHIP 0.022uF	50V
C1201	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C1513	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
				C1523	1-115-416-11	CERAMIC CHIP 0.001uF	5% 25V

DIGITAL

Ref. No.	Part No.	Description	Remarks
C1552	1-124-778-00	ELECT CHIP 22uF	20% 6.3V
C1601	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1602	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1603	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1604	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1605	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1606	1-126-204-11	ELECT CHIP 47uF	20% 16V
C1608	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1610	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1611	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1612	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1613	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1614	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1615	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1616	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1617	1-162-974-11	CERAMIC CHIP 0.01uF	50V
C1618	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1619	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1620	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1624	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1625	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1626	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1627	1-124-779-00	ELECT CHIP 10uF	20% 16V
C1632	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1634	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1635	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1636	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1671	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1905	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1906	1-128-396-11	ELECT CHIP 470uF	20% 10V
C1908	1-128-396-11	ELECT CHIP 470uF	20% 10V
C1909	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1910	1-128-396-11	ELECT CHIP 470uF	20% 10V
C1911	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1912	1-128-396-11	ELECT CHIP 470uF	20% 10V
C1913	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1914	1-126-204-11	ELECT CHIP 47uF	20% 16V
< CONNECTOR >			
CNP5	1-779-978-11	PIN, CONNECTOR 3P	
CNP6	1-784-929-11	PIN, CONNECTOR 14P	
< CONNECTOR >			
CNS1	1-764-865-41	CONNECTOR, BOARD TO BOARD 13P	
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	
CNS8	1-569-315-11	SOCKET, CONNECTOR 5P	
< DIODE >			
D1001	8-719-016-74	DIODE 1SS352-TPH3	
D1101	8-719-988-61	DIODE 1SS355TE-17	
D1501	8-719-049-09	DIODE 1SS367-T3SONY	
D1502	8-719-049-09	DIODE 1SS367-T3SONY	
D1601	8-719-988-61	DIODE 1SS355TE-17	
< FERRITE BEAD >			
FB1101	1-469-727-21	FERRITE, EMI (SMD) (2012)	
FB1102	1-469-727-21	FERRITE, EMI (SMD) (2012)	
FB1104	1-469-710-21	FERRITE, EMI (SMD) (2012)	

Ref. No.	Part No.	Description	Remarks
FB1105	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1201	1-469-727-21	FERRITE, EMI (SMD) (2012)	
FB1202	1-469-727-21	FERRITE, EMI (SMD) (2012)	
FB1203	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1204	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1501	1-469-727-21	FERRITE, EMI (SMD) (2012)	
FB1502	1-216-864-11	SHORT CHIP 0	
FB1601	1-469-727-21	FERRITE, EMI (SMD) (2012)	
FB1602	1-216-864-11	SHORT CHIP 0	
FB1603	1-216-864-11	SHORT CHIP 0	
< TERMINAL, GROUND >			
G1101	1-537-738-21	TERMINAL, GROUND	
< IC >			
IC1101	8-759-825-15	IC LC89056W-E	
IC1102	8-759-242-70	IC TC7WU04F (TE12R)	
IC1104	6-600-014-01	IC TORX141L (VIDEO 2 IN)	
IC1201	8-759-698-76	IC CXD9617R	
IC1202	6-704-037-01	IC IS61LV6416-10TLT	
IC1501	6-705-627-01	IC AK4626VQ	
IC1503	8-759-231-53	IC TA7805S	
IC1601	6-803-873-11	IC MB90478PF-G-170-BNDE1	
IC1602	6-701-680-01	IC PST3629NR	
IC1604	6-704-004-01	IC BR24L16F-WE2	
IC1901	6-701-887-02	IC SI-3004KWf	
IC1902	8-759-604-32	IC M5F7810L	
IC1903	8-759-450-47	IC BA05T	
IC1904	6-705-463-01	IC BA33BC0T	
< JACK >			
J1101	1-794-972-11	JACK, PIN 1P (DVD IN)	
< SHORT >			
JR1116	1-216-864-11	SHORT CHIP 0	
JR1200	1-216-864-11	SHORT CHIP 0	
JR1300	1-216-864-11	SHORT CHIP 0	
JR1301	1-216-864-11	SHORT CHIP 0	
JR1600	1-216-864-11	SHORT CHIP 0	
< COIL >			
L1901	1-216-864-11	SHORT CHIP 0	
< TRANSISTOR >			
Q1601	8-729-027-43	TRANSISTOR RT1N141C-TP-1	
Q1602	8-729-230-49	TRANSISTOR 2SC2712-YG-TE85L	
< RESISTOR >			
R1100	1-216-857-11	METAL CHIP 1M	5% 1/10W
R1101	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1102	1-216-833-11	METAL CHIP 10K	5% 1/10W
R1103	1-216-809-11	METAL CHIP 100	5% 1/10W
R1104	1-216-809-11	METAL CHIP 100	5% 1/10W
R1105	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R1106	1-216-839-11	METAL CHIP 33K	5% 1/10W
R1107	1-216-830-11	METAL CHIP 5.6K	5% 1/10W
R1108	1-216-809-11	METAL CHIP 100	5% 1/10W
R1109	1-216-809-11	METAL CHIP 100	5% 1/10W

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Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R1110	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1303	1-216-809-11	METAL CHIP	100	5%	1/10W
R1111	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W	R1305	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1113	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1114	1-216-809-11	METAL CHIP	100	5%	1/10W	R1306	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R1315	1-216-864-11	SHORT CHIP	0		
R1115	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1365	1-216-864-11	SHORT CHIP	0		
R1116	1-218-285-11	METAL CHIP	75	5%	1/10W	R1508	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1509	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-854-11	METAL CHIP	560K	5%	1/10W						
R1119	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1516	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1517	1-216-813-11	METAL CHIP	220	5%	1/10W
R1120	1-216-809-11	METAL CHIP	100	5%	1/10W	R1518	1-216-813-11	METAL CHIP	220	5%	1/10W
R1122	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1519	1-216-813-11	METAL CHIP	220	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W	R1520	1-216-813-11	METAL CHIP	220	5%	1/10W
R1202	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1203	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
						R1600	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1204	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1205	1-216-809-11	METAL CHIP	100	5%	1/10W	R1602	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1206	1-216-809-11	METAL CHIP	100	5%	1/10W	R1603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1207	1-216-809-11	METAL CHIP	100	5%	1/10W						
R1208	1-216-809-11	METAL CHIP	100	5%	1/10W	R1604	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1605	1-216-809-11	METAL CHIP	100	5%	1/10W
R1209	1-216-809-11	METAL CHIP	100	5%	1/10W	R1606	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1210	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1212	1-216-813-11	METAL CHIP	220	5%	1/10W	R1608	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1213	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1214	1-216-813-11	METAL CHIP	220	5%	1/10W	R1609	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1215	1-216-813-11	METAL CHIP	220	5%	1/10W	R1611	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1216	1-216-813-11	METAL CHIP	220	5%	1/10W	R1612	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1217	1-216-813-11	METAL CHIP	220	5%	1/10W	R1613	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1218	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1219	1-216-813-11	METAL CHIP	220	5%	1/10W	R1614	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1615	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						
R1225	1-216-813-11	METAL CHIP	220	5%	1/10W	R1621	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1226	1-216-813-11	METAL CHIP	220	5%	1/10W	R1624	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1227	1-216-813-11	METAL CHIP	220	5%	1/10W	R1625	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1228	1-216-813-11	METAL CHIP	220	5%	1/10W	R1626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1229	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1230	1-216-813-11	METAL CHIP	220	5%	1/10W	R1627	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R1628	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1231	1-216-813-11	METAL CHIP	220	5%	1/10W	R1629	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1232	1-216-813-11	METAL CHIP	220	5%	1/10W	R1630	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1233	1-216-813-11	METAL CHIP	220	5%	1/10W	R1631	1-216-829-11	METAL CHIP	4.7K	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	R1632	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (MY,SP)
						R1632	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS,E51)
R1236	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1237	1-216-813-11	METAL CHIP	220	5%	1/10W	R1632	1-216-864-11	SHORT CHIP	0 (CND)		
R1238	1-216-813-11	METAL CHIP	220	5%	1/10W	R1633	1-216-833-11	METAL CHIP	10K	5%	1/10W (AUS)
R1239	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1240	1-216-813-11	METAL CHIP	220	5%	1/10W	R1633	1-216-837-11	METAL CHIP	22K	5%	1/10W (E51)
R1241	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1242	1-216-813-11	METAL CHIP	220	5%	1/10W	R1633	1-216-841-11	METAL CHIP	47K	5%	1/10W (MY,SP)
R1243	1-216-813-11	METAL CHIP	220	5%	1/10W						
R1244	1-216-813-11	METAL CHIP	220	5%	1/10W	R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1300	1-216-809-11	METAL CHIP	100	5%	1/10W	R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R1638	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1301	1-216-809-11	METAL CHIP	100	5%	1/10W	R1639	1-216-809-11	METAL CHIP	100	5%	1/10W
R1302	1-216-809-11	METAL CHIP	100	5%	1/10W						

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DISPLAY

Ref. No.	Part No.	Description	Remarks		
R1640	1-216-809-11	METAL CHIP	100	5%	1/10W
R1641	1-216-809-11	METAL CHIP	100	5%	1/10W
R1642	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1644	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1645	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1646	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1647	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1648	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1649	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1650	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1651	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1652	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1653	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1655	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1656	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1657	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1658	1-216-809-11	METAL CHIP	100	5%	1/10W
R1660	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1662	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1663	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1664	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1667	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1668	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1669	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1670	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1671	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1672	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1673	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1675	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1676	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1677	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1678	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1679	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1680	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1681	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1682	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1683	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1684	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1685	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1686	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1687	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1688	1-216-864-11	SHORT CHIP	0		
R1689	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1690	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1694	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1696	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1697	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1698	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1699	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
< VIBRATOR >					
X1101	1-795-126-21	VIBRATOR, CRYSTAL 12.288MHz			
X1201	1-795-363-21	VIBRATOR, CERAMIC 13.5MHz			
X1601	1-767-922-11	VIBRATOR, CERAMIC 16.0MHz			

Ref. No.	Part No.	Description	Remarks		
	A-4750-437-A	DISPLAY BOARD, COMPLETE	*****		
		< CAPACITOR >			
C100	1-164-159-11	CERAMIC	0.1uF		50V
C101	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
C109	1-164-159-11	CERAMIC	0.1uF		50V
C110	1-128-825-11	CERAMIC	2200PF	5%	50V
C111	1-128-809-11	CERAMIC	100PF	5%	50V
C112	1-128-809-11	CERAMIC	100PF	5%	50V
C114	1-164-159-11	CERAMIC	0.1uF		50V
C115	1-126-795-11	ELECT	10uF	20%	50V
C132	1-128-813-11	CERAMIC	220PF	5%	50V
C133	1-128-813-11	CERAMIC	220PF	5%	50V
C134	1-128-813-11	CERAMIC	220PF	5%	50V
C135	1-128-813-11	CERAMIC	220PF	5%	50V
C136	1-128-813-11	CERAMIC	220PF	5%	50V
C137	1-128-813-11	CERAMIC	220PF	5%	50V
C138	1-128-813-11	CERAMIC	220PF	5%	50V
C139	1-128-813-11	CERAMIC	220PF	5%	50V
C140	1-128-813-11	CERAMIC	220PF	5%	50V
C141	1-128-813-11	CERAMIC	220PF	5%	50V
C142	1-128-813-11	CERAMIC	220PF	5%	50V
C143	1-128-813-11	CERAMIC	220PF	5%	50V
C144	1-164-159-11	CERAMIC	0.1uF		50V
C150	1-164-159-11	CERAMIC	0.1uF		50V
C151	1-126-795-11	ELECT	10uF	20%	50V
C152	1-128-813-11	CERAMIC	220PF	5%	50V
C153	1-128-813-11	CERAMIC	220PF	5%	50V
C154	1-128-813-11	CERAMIC	220PF	5%	50V
C155	1-164-159-11	CERAMIC	0.1uF		50V
C156	1-164-159-11	CERAMIC	0.1uF		50V
C157	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
* CNP101	1-564-518-11	PLUG, CONNECTOR 3P			
* CNP103	1-564-517-11	PLUG, CONNECTOR 2P			
		< CONNECTOR >			
CNS100	1-569-323-11	SOCKET, CONNECTOR 19P			
		< DIODE >			
D102	8-719-061-96	DIODE SLR-325DCT31 (2CH)			
D103	8-719-061-96	DIODE SLR-325DCT31 (MUSIC)			
D104	8-719-061-96	DIODE SLR-325DCT31 (MOVIE)			
D105	8-719-061-96	DIODE SLR-325DCT31 (A.F.D.)			
		< FLUORECENT INDICATOR TUBE >			
FL101	1-518-966-11	VOCUUM FLUORESENT DISPLAYS			
		< IC >			
IC100	8-759-643-83	IC PT6315			
IC101	8-759-243-51	IC TC74ACT08P			
IC102	6-600-309-01	IC RPM7240-H9 (R)			

DISPLAY

HEADPHONE

MAIN

Ref. No.	Part No.	Description	Remarks		
< RESISTOR >					
R101	1-247-831-91	CARBON	1K	5%	1/4W
R102	1-249-421-11	CARBON	2.2K	5%	1/4W
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
R106	1-247-863-91	CARBON	22K	5%	1/4W
R107	1-247-871-91	CARBON	47K	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
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
R161	1-249-409-11	CARBON	220	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
< ROTARY ENCODER >					
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
< SWITCH >					
S100	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S101	1-771-410-21	SWITCH, TACTILE (>)			
S102	1-771-410-21	SWITCH, TACTILE (-)			
S103	1-771-410-21	SWITCH, TACTILE (+)			
S104	1-771-410-21	SWITCH, TACTILE (<)			
S105	1-771-410-21	SWITCH, TACTILE (TUNER FM/AM)			
S106	1-771-410-21	SWITCH, TACTILE (MD/TAPE)			
S107	1-771-410-21	SWITCH, TACTILE (VIDEO 1)			
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)			
S120	1-771-410-21	SWITCH, TACTILE (CD)			
S121	1-771-410-21	SWITCH, TACTILE (DVD)			
S125	1-771-410-21	SWITCH, TACTILE (VIDEO 2)			

HEADPHONE BOARD					

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

Ref. No.	Part No.	Description	Remarks		
	A-4750-435-A	MAIN BOARD, COMPLETE (CND)			
	A-4750-445-A	MAIN BOARD, COMPLETE (E51,MY,SP)			
	A-4752-673-A	MAIN BOARD, COMPLETE (AUS)			

	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< 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
C400	1-164-159-11	CERAMIC	0.1uF		50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V
C409	1-126-963-11	ELECT	4.7uF	20%	50V
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
C458	1-126-963-11	ELECT	4.7uF	20%	50V
C459	1-126-963-11	ELECT	4.7uF	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
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C472	1-126-963-11	ELECT	4.7uF	20%	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
C498	1-128-803-11	CERAMIC	33PF	5%	50V
C500	1-128-825-11	CERAMIC	2200PF	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

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.

MAIN

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
C506	1-102-233-00	CERAMIC	33PF	10%	500V	C750	1-126-964-11	ELECT	10uF	20%	50V
C507	1-128-809-11	CERAMIC	100PF	5%	50V	C751	1-126-963-11	ELECT	4.7uF	20%	50V
C508	1-128-809-11	CERAMIC	100PF	5%	50V	C752	1-127-876-11	CERAMIC	0.01uF	10%	50V
C510	1-126-947-11	ELECT	47uF	20%	25V	C753	1-104-658-91	ELECT	100uF	20%	10V
C511	1-136-157-00	FILM	0.022uF	5%	50V	C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C516	1-162-815-11	CERAMIC	47PF	5%	500V	C755	1-102-233-00	CERAMIC	33PF	10%	500V
C517	1-162-815-11	CERAMIC	47PF	5%	500V	C756	1-128-813-11	CERAMIC	220PF	5%	50V
C519	1-128-813-11	CERAMIC	220PF	5%	50V	C757	1-128-809-11	CERAMIC	100PF	5%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V	C760	1-126-947-11	ELECT	47uF	20%	25V
C541	1-127-876-11	CERAMIC	0.01uF	10%	50V	C761	1-136-157-00	FILM	0.022uF	5%	50V
C601	1-126-963-11	ELECT	4.7uF	20%	50V	C766	1-162-815-11	CERAMIC	47PF	5%	500V
C603	1-104-658-91	ELECT	100uF	20%	10V	C767	1-162-815-11	CERAMIC	47PF	5%	500V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V	C770	1-128-813-11	CERAMIC	220PF	5%	50V
C605	1-102-233-00	CERAMIC	33PF	10%	500V	C803	1-165-498-11	ELECT	4700uF	20%	63V
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
C610	1-126-947-11	ELECT	47uF	20%	25V	C806	1-136-497-81	FILM	0.1uF	5%	50V
C611	1-136-157-00	FILM	0.022uF	5%	50V	C807	1-104-658-91	ELECT	100uF	20%	10V
C619	1-128-813-11	CERAMIC	220PF	5%	50V	C808	1-126-925-91	ELECT	470uF	20%	10V
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
C640	1-126-964-11	ELECT	10uF	20%	50V	< CAPACITOR >					
C642	1-127-876-11	CERAMIC	0.01uF	10%	50V	CC02	1-128-809-11	CERAMIC	100PF	5%	50V
C643	1-128-579-11	ELECT	2.2uF	20%	100V						(AUS)
C651	1-126-963-11	ELECT	4.7uF	20%	50V	CC04	1-128-809-11	CERAMIC	100PF	5%	50V
C653	1-104-658-91	ELECT	100uF	20%	10V						(AUS)
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V	CC05	1-128-809-11	CERAMIC	100PF	5%	50V
C655	1-102-233-00	CERAMIC	33PF	10%	500V						(AUS)
C656	1-128-813-11	CERAMIC	220PF	5%	50V	CC06	1-128-809-11	CERAMIC	100PF	5%	50V
C657	1-128-809-11	CERAMIC	100PF	5%	50V						(AUS)
C660	1-126-947-11	ELECT	47uF	20%	25V	CC07	1-128-809-11	CERAMIC	100PF	5%	50V
C661	1-136-157-00	FILM	0.022uF	5%	50V						(AUS)
C666	1-162-815-11	CERAMIC	47PF	5%	500V	CC08	1-128-809-11	CERAMIC	100PF	5%	50V
C669	1-162-815-11	CERAMIC	47PF	5%	500V						(AUS)
C670	1-128-813-11	CERAMIC	220PF	5%	50V	CC09	1-128-809-11	CERAMIC	100PF	5%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V						(AUS)
C681	1-127-876-11	CERAMIC	0.01uF	10%	50V	CC12	1-127-876-11	CERAMIC	0.01uF	10%	50V
C691	1-164-159-11	CERAMIC	0.1uF		50V						(AUS)
C700	1-128-825-11	CERAMIC	2200PF	5%	50V	CC14	1-127-876-11	CERAMIC	0.01uF	10%	50V
C701	1-126-963-11	ELECT	4.7uF	20%	50V						(AUS)
C703	1-104-658-91	ELECT	100uF	20%	10V	CC16	1-127-876-11	CERAMIC	0.01uF	10%	50V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V						(AUS)
C705	1-102-233-00	CERAMIC	33PF	10%	500V	CC18	1-127-876-11	CERAMIC	0.01uF	10%	50V
C706	1-128-813-11	CERAMIC	220PF	5%	50V						(AUS)
C707	1-128-809-11	CERAMIC	100PF	5%	50V	CC20	1-127-876-11	CERAMIC	0.01uF	10%	50V
C710	1-126-947-11	ELECT	47uF	20%	25V						(AUS)
C711	1-136-157-00	FILM	0.022uF	5%	50V	CC52	1-128-809-11	CERAMIC	100PF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V						(AUS)
C717	1-162-815-11	CERAMIC	47PF	5%	500V	CC54	1-128-809-11	CERAMIC	100PF	5%	50V
C720	1-128-813-11	CERAMIC	220PF	5%	50V						(AUS)
C721	1-126-934-11	ELECT	220uF	20%	16V	CC55	1-128-809-11	CERAMIC	100PF	5%	50V
C722	1-126-964-11	ELECT	10uF	20%	50V						(AUS)
C732	1-128-582-11	ELECT	10uF	20%	100V	CC56	1-128-809-11	CERAMIC	100PF	5%	50V
C733	1-128-582-11	ELECT	10uF	20%	100V						(AUS)
C740	1-126-964-11	ELECT	10uF	20%	50V	CC57	1-128-809-11	CERAMIC	100PF	5%	50V
C742	1-127-876-11	CERAMIC	0.01uF	10%	50V						(AUS)
C744	1-128-579-11	ELECT	2.2uF	20%	100V	CC58	1-128-809-11	CERAMIC	100PF	5%	50V
											(AUS)

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
CC59	1-128-809-11	CERAMIC 100PF 5%	50V (AUS)	< TRANSISTOR >			
< CONNECTOR >				Q361	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW
				Q362	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW
				Q363	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW
				Q364	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW
				Q365	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW
CNP501	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P		Q366	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW
* CNP502	1-774-876-21	CONNECTOR, BOARD TO BOARD 8P		Q379	8-729-900-63	TRANSISTOR	BN1F4M-TP
* CNP801	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P		Q471	8-729-922-37	TRANSISTOR	2SD2144S-TP-UVW
CNP911	1-784-924-11	PIN, CONNECTOR 8P		Q501	8-729-119-76	TRANSISTOR	2SA1115TP-EF
CNP915	1-793-674-21	CONNECTOR, BOARD TO BOARD 7P		Q502	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
< DIODE >				Q505	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
D505	8-719-991-33	DIODE 1SS133T-72		Q506	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
D510	8-719-991-33	DIODE 1SS133T-72		Q540	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
D540	8-719-991-33	DIODE 1SS133T-72		Q550	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
D560	8-719-991-33	DIODE 1SS133T-72		Q560	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
D605	8-719-991-33	DIODE 1SS133T-72		Q601	8-729-119-76	TRANSISTOR	2SA1115TP-EF
D610	8-719-991-33	DIODE 1SS133T-72		Q602	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
D640	8-719-991-33	DIODE 1SS133T-72		Q605	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
D665	8-719-991-33	DIODE 1SS133T-72		Q606	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
D680	8-719-991-33	DIODE 1SS133T-72		Q610	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
D690	8-719-934-21	DIODE HZS30-1LTA		Q640	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
D691	8-719-991-33	DIODE 1SS133T-72		Q651	8-729-119-76	TRANSISTOR	2SA1115TP-EF
D705	8-719-991-33	DIODE 1SS133T-72		Q652	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
D710	8-719-991-33	DIODE 1SS133T-72		Q655	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
D721	8-719-991-33	DIODE 1SS133T-72		Q656	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
D722	8-719-991-33	DIODE 1SS133T-72		Q680	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
D731	8-719-991-33	DIODE 1SS133T-72		Q691	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
D732	8-719-991-33	DIODE 1SS133T-72		Q692	8-729-900-63	TRANSISTOR	BN1F4M-TP
D733	8-719-991-33	DIODE 1SS133T-72		Q701	8-729-119-76	TRANSISTOR	2SA1115TP-EF
D734	8-719-991-33	DIODE 1SS133T-72		Q702	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
D740	8-719-991-33	DIODE 1SS133T-72		Q705	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
D750	8-719-991-33	DIODE 1SS133T-72		Q706	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
D765	8-719-991-33	DIODE 1SS133T-72		Q710	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
D791	8-719-991-33	DIODE 1SS133T-72		Q722	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA
D802	8-719-072-05	DIODE D5SBA20-4003		Q723	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
D896	8-719-043-76	DIODE AK04V1		Q725	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
< IC >				Q740	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
IC201	6-703-501-01	IC M61527FP		Q750	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2
IC401	8-759-167-88	IC NJM4565D		Q751	8-729-119-76	TRANSISTOR	2SA1115TP-EF
IC501	8-749-011-16	IC STK350-230		Q752	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
IC601	8-759-167-88	IC NJM4565D		Q755	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
IC701	6-700-943-01	IC uPC2581V-S		Q756	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP
IC702	6-700-943-01	IC uPC2581V-S		Q790	8-729-119-79	TRANSISTOR	2SC2785TP-FEK
IC801	8-759-071-48	IC TA7807S		< RESISTOR >			
IC802	8-759-604-95	IC M5F79M07L		R360	1-247-879-91	CARBON	100K 5% 1/4W
< JACK >				R361	1-247-847-91	CARBON	4.7K 5% 1/4W
J402	1-691-887-11	JACK, PIN 6P (MD/TAPE/CD)		R362	1-247-847-91	CARBON	4.7K 5% 1/4W
J403	1-794-981-11	JACK, PIN 4P (VIDEO 2)		R363	1-247-879-91	CARBON	100K 5% 1/4W
J404	1-770-614-11	JACK, PIN 4P (VIDEO 1)		R366	1-249-429-11	CARBON	10K 5% 1/4W
J405	1-774-785-11	JACK, PIN 1P (SUB WOOFER)		R367	1-247-879-91	CARBON	100K 5% 1/4W
< COIL >				R368	1-247-871-91	CARBON	47K 5% 1/4W
L521	1-420-872-52	COIL, AIR-CORE		R369	1-247-847-91	CARBON	4.7K 5% 1/4W
L601	1-420-872-52	COIL, AIR-CORE		R370	1-247-847-91	CARBON	4.7K 5% 1/4W
L651	1-420-872-52	COIL, AIR-CORE		R371	1-247-879-91	CARBON	100K 5% 1/4W
L701	1-420-872-52	COIL, AIR-CORE					
L751	1-420-872-52	COIL, AIR-CORE					

MAIN

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
R372	1-247-879-91	CARBON	100K	5%	1/4W	R531	1-247-847-91	CARBON	4.7K	5%	1/4W
R373	1-247-831-91	CARBON	1K	5%	1/4W	R532	1-247-847-91	CARBON	4.7K	5%	1/4W
R374	1-247-831-91	CARBON	1K	5%	1/4W	R533	1-247-871-91	CARBON	47K	5%	1/4W
R375	1-247-831-91	CARBON	1K	5%	1/4W						
R376	1-247-831-91	CARBON	1K	5%	1/4W	R534	1-249-404-00	CARBON	82	5%	1/4W
						R540	1-247-863-91	CARBON	22K	5%	1/4W
R377	1-247-831-91	CARBON	1K	5%	1/4W	R546	1-247-843-11	CARBON	3.3K	5%	1/4W
R378	1-247-831-91	CARBON	1K	5%	1/4W	R555	1-247-863-91	CARBON	22K	5%	1/4W
R379	1-247-847-91	CARBON	4.7K	5%	1/4W	R556	1-247-863-91	CARBON	22K	5%	1/4W
R380	1-247-879-91	CARBON	100K	5%	1/4W						
R381	1-249-429-11	CARBON	10K	5%	1/4W	R557	1-249-431-11	CARBON	15K	5%	1/4W
						R563	1-249-429-11	CARBON	10K	5%	1/4W
R402	1-247-831-91	CARBON	1K	5%	1/4W	R573	1-247-871-91	CARBON	47K	5%	1/4W
R404	1-247-831-91	CARBON	1K	5%	1/4W	R601	1-247-831-91	CARBON	1K	5%	1/4W
R405	1-247-831-91	CARBON	1K	5%	1/4W	R602	1-249-439-11	CARBON	68K	5%	1/4W
R406	1-247-831-91	CARBON	1K	5%	1/4W						
R407	1-247-831-91	CARBON	1K	5%	1/4W	R603	1-249-421-11	CARBON	2.2K	5%	1/4W
						R604	1-249-439-11	CARBON	68K	5%	1/4W
R408	1-247-831-91	CARBON	1K	5%	1/4W	R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R409	1-247-831-91	CARBON	1K	5%	1/4W	R611	1-249-440-11	CARBON	82K	5%	1/4W
R410	1-247-871-91	CARBON	47K	5%	1/4W	R613	1-249-414-11	CARBON	560	5%	1/4W
R430	1-247-871-91	CARBON	47K	5%	1/4W						
R452	1-247-831-91	CARBON	1K	5%	1/4W	R614	1-249-405-11	CARBON	100	5%	1/4W
						R615	1-249-405-11	CARBON	100	5%	1/4W
R454	1-247-831-91	CARBON	1K	5%	1/4W	△ R616	1-234-182-11	ENCAPSULATED COMPONENT			
R455	1-247-831-91	CARBON	1K	5%	1/4W	R617	1-249-393-11	CARBON	10	5%	1/4W
R456	1-247-831-91	CARBON	1K	5%	1/4W	R618	1-249-389-11	CARBON	4.7	5%	1/4W
R457	1-247-831-91	CARBON	1K	5%	1/4W						
R458	1-247-831-91	CARBON	1K	5%	1/4W	R620	1-247-847-91	CARBON	4.7K	5%	1/4W
						R621	1-247-850-11	CARBON	6.2K	5%	1/4W
R459	1-247-831-91	CARBON	1K	5%	1/4W	R622	1-249-419-11	CARBON	1.5K	5%	1/4W
R469	1-247-831-91	CARBON	1K	5%	1/4W	R623	1-247-871-91	CARBON	47K	5%	1/4W
R470	1-247-871-91	CARBON	47K	5%	1/4W	R624	1-249-431-11	CARBON	15K	5%	1/4W
R471	1-249-415-11	CARBON	680	5%	1/4W						
R472	1-247-831-91	CARBON	1K	5%	1/4W	R625	1-249-439-11	CARBON	68K	5%	1/4W
						R631	1-247-847-91	CARBON	4.7K	5%	1/4W
R473	1-247-847-91	CARBON	4.7K	5%	1/4W	R634	1-249-404-00	CARBON	82	5%	1/4W
R474	1-249-429-11	CARBON	10K	5%	1/4W	R638	1-249-439-11	CARBON	68K	5%	1/4W
R475	1-249-421-11	CARBON	2.2K	5%	1/4W	R640	1-247-863-91	CARBON	22K	5%	1/4W
R476	1-247-807-31	CARBON	100	5%	1/4W						
R477	1-247-807-31	CARBON	100	5%	1/4W	R643	1-247-863-91	CARBON	22K	5%	1/4W
						R648	1-247-843-11	CARBON	3.3K	5%	1/4W
R478	1-247-807-31	CARBON	100	5%	1/4W	R651	1-247-831-91	CARBON	1K	5%	1/4W
R479	1-249-421-11	CARBON	2.2K	5%	1/4W	R652	1-249-439-11	CARBON	68K	5%	1/4W
R480	1-247-879-91	CARBON	100K	5%	1/4W	R653	1-249-421-11	CARBON	2.2K	5%	1/4W
				(EXCEPT AUS)							
R499	1-247-871-91	CARBON	47K	5%	1/4W	R654	1-249-439-11	CARBON	68K	5%	1/4W
R501	1-247-831-91	CARBON	1K	5%	1/4W	R655	1-247-863-91	CARBON	22K	5%	1/4W
						R656	1-247-863-91	CARBON	22K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W	R657	1-249-431-11	CARBON	15K	5%	1/4W
R503	1-249-421-11	CARBON	2.2K	5%	1/4W	R660	1-249-421-11	CARBON	2.2K	5%	1/4W
R504	1-249-411-11	CARBON	330	5%	1/4W						
R505	1-249-439-11	CARBON	68K	5%	1/4W	R661	1-249-440-11	CARBON	82K	5%	1/4W
R510	1-249-421-11	CARBON	2.2K	5%	1/4W	R663	1-249-414-11	CARBON	560	5%	1/4W
						R664	1-249-405-11	CARBON	100	5%	1/4W
R511	1-249-440-11	CARBON	82K	5%	1/4W	R665	1-249-405-11	CARBON	100	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W	△ R666	1-234-182-11	ENCAPSULATED COMPONENT			
R514	1-249-405-11	CARBON	100	5%	1/4W						
R515	1-249-405-11	CARBON	100	5%	1/4W	R667	1-249-393-11	CARBON	10	5%	1/4W
△ R516	1-234-182-11	ENCAPSULATED COMPONENT				R668	1-249-389-11	CARBON	4.7	5%	1/4W
						R669	1-247-847-91	CARBON	4.7K	5%	1/4W
R517	1-249-393-11	CARBON	10	5%	1/4W	R671	1-247-850-11	CARBON	6.2K	5%	1/4W
R520	1-247-847-91	CARBON	4.7K	5%	1/4W	R672	1-249-419-11	CARBON	1.5K	5%	1/4W
R521	1-247-850-11	CARBON	6.2K	5%	1/4W						
R522	1-249-419-11	CARBON	1.5K	5%	1/4W	R673	1-247-871-91	CARBON	47K	5%	1/4W
R524	1-249-431-11	CARBON	15K	5%	1/4W	R674	1-249-431-11	CARBON	15K	5%	1/4W
R525	1-249-439-11	CARBON	68K	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.					
R528	1-249-389-11	CARBON	4.7	5%	1/4W						

MAIN

POWER

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R675	1-247-863-91	CARBON	22K 5% 1/4W	R761	1-249-440-11	CARBON	82K 5% 1/4W
R676	1-247-863-91	CARBON	22K 5% 1/4W	R763	1-249-414-11	CARBON	560 5% 1/4W
R677	1-249-431-11	CARBON	15K 5% 1/4W				
R680	1-247-863-91	CARBON	22K 5% 1/4W	R764	1-249-405-11	CARBON	100 5% 1/4W
R681	1-247-843-11	CARBON	3.3K 5% 1/4W	R765	1-249-405-11	CARBON	100 5% 1/4W
R690	1-247-887-00	CARBON	220K 5% 1/4W	△ R766	1-234-182-11	ENCAPSULATED COMPONENT	
△ R691	1-216-452-11	METAL OXIDE	180 5% 2W	R767	1-249-393-11	CARBON	10 5% 1/4W
△ R692	1-215-888-00	METAL OXIDE	220 5% 2W	R768	1-249-389-11	CARBON	4.7 5% 1/4W
			(EXCEPT CND)				
△ R692	1-215-889-00	METAL OXIDE	330 5% 2W	R769	1-247-847-91	CARBON	4.7K 5% 1/4W
			(CND)	R770	1-247-871-91	CARBON	47K 5% 1/4W
R693	1-249-429-11	CARBON	10K 5% 1/4W	R771	1-247-850-11	CARBON	6.2K 5% 1/4W
R694	1-249-429-11	CARBON	10K 5% 1/4W	R772	1-249-419-11	CARBON	1.5K 5% 1/4W
R695	1-249-429-11	CARBON	10K 5% 1/4W	R773	1-247-871-91	CARBON	47K 5% 1/4W
R696	1-249-435-11	CARBON	33K 5% 1/4W				
R698	1-249-429-11	CARBON	10K 5% 1/4W	R775	1-249-439-11	CARBON	68K 5% 1/4W
R699	1-247-895-00	CARBON	470K 5% 1/4W	R778	1-249-431-11	CARBON	15K 5% 1/4W
R701	1-247-831-91	CARBON	1K 5% 1/4W	R780	1-249-429-11	CARBON	10K 5% 1/4W
R702	1-249-439-11	CARBON	68K 5% 1/4W	R791	1-247-847-91	CARBON	4.7K 5% 1/4W
R703	1-249-421-11	CARBON	2.2K 5% 1/4W	△ R792	1-215-868-00	METAL OXIDE	680 5% 1W
R704	1-249-439-11	CARBON	68K 5% 1/4W				
R710	1-249-421-11	CARBON	2.2K 5% 1/4W	R793	1-249-404-00	CARBON	82 5% 1/4W
R711	1-249-440-11	CARBON	82K 5% 1/4W	△ R794	1-215-868-00	METAL OXIDE	680 5% 1W
R713	1-249-414-11	CARBON	560 5% 1/4W	R802	1-249-409-11	CARBON	220 5% 1/4W
R714	1-249-405-11	CARBON	100 5% 1/4W	R803	1-249-389-11	CARBON	4.7 5% 1/4W
R715	1-249-405-11	CARBON	100 5% 1/4W			< RESISTOR >	
△ R716	1-234-182-11	ENCAPSULATED COMPONENT		RR11	1-249-393-11	CARBON	10 5% 1/4W (AUS)
R717	1-249-393-11	CARBON	10 5% 1/4W	RR12	1-249-393-11	CARBON	10 5% 1/4W (AUS)
R718	1-249-389-11	CARBON	4.7 5% 1/4W	RR13	1-249-393-11	CARBON	10 5% 1/4W (AUS)
R719	1-247-847-91	CARBON	4.7K 5% 1/4W	RR14	1-249-393-11	CARBON	10 5% 1/4W (AUS)
R721	1-247-850-11	CARBON	6.2K 5% 1/4W	RR15	1-249-393-11	CARBON	10 5% 1/4W (AUS)
R722	1-249-419-11	CARBON	1.5K 5% 1/4W			< RELAY >	
R723	1-247-871-91	CARBON	47K 5% 1/4W	RY501	1-755-421-11	RELAY	
R724	1-249-431-11	CARBON	15K 5% 1/4W	RY560	1-755-267-11	RELAY	
R725	1-249-439-11	CARBON	68K 5% 1/4W	RY601	1-755-421-11	RELAY	
R731	1-247-847-91	CARBON	4.7K 5% 1/4W	RY701	1-755-421-11	RELAY	
R732	1-249-381-11	CARBON	1 5% 1/4W	RY791	1-755-421-11	RELAY	
R733	1-249-381-11	CARBON	1 5% 1/4W			< TERMINAL >	
R734	1-249-404-00	CARBON	82 5% 1/4W	TM601	1-694-785-11	TERMINAL BOARD (SURROUND)	
R735	1-249-427-11	CARBON	6.8K 5% 1/4W	TM602	1-694-805-11	TERMINAL BOARD (FRONT)	
R736	1-247-831-91	CARBON	1K 5% 1/4W			*****	
R737	1-249-436-11	CARBON	39K 5% 1/4W			1-861-045-11 POWER BOARD	
R740	1-247-863-91	CARBON	22K 5% 1/4W			*****	
R744	1-247-863-91	CARBON	22K 5% 1/4W			< RESISTOR >	
R745	1-247-863-91	CARBON	22K 5% 1/4W	R124	1-247-847-91	CARBON	4.7K 5% 1/4W
R746	1-247-863-91	CARBON	22K 5% 1/4W			< SWITCH >	
R747	1-249-431-11	CARBON	15K 5% 1/4W	S122	1-771-410-21	SWITCH, TACTILE (DIMMER)	
R748	1-247-843-11	CARBON	3.3K 5% 1/4W	S123	1-771-410-21	SWITCH, TACTILE (DISPLAY)	
R750	1-247-863-91	CARBON	22K 5% 1/4W	S152	1-771-410-21	SWITCH, TACTILE (I/⏻)	
R751	1-247-831-91	CARBON	1K 5% 1/4W			*****	
R752	1-249-439-11	CARBON	68K 5% 1/4W				
R753	1-249-421-11	CARBON	2.2K 5% 1/4W				
R754	1-249-439-11	CARBON	68K 5% 1/4W				
R755	1-247-863-91	CARBON	22K 5% 1/4W				
R756	1-247-863-91	CARBON	22K 5% 1/4W				
R757	1-249-431-11	CARBON	15K 5% 1/4W				
R758	1-247-843-11	CARBON	3.3K 5% 1/4W				
R760	1-249-421-11	CARBON	2.2K 5% 1/4W				

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STANDBY

TUNING

VIDEO

Ref. No.	Part No.	Description	Remarks			
	A-4750-409-A	STANDBY BOARD, COMPLETE (AUS,MY,SP)				
	A-4750-423-A	STANDBY BOARD, COMPLETE (E51)				
	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				
< 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)				

Ref. No.	Part No.	Description	Remarks			
< 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)				
△ T902	1-435-282-11	TRANSFORMER, POWER (AUS,MY,SP)				
△ T902	1-435-283-11	TRANSFORMER, POWER (E51)				

	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))				

A-4750-410-A	VIDEO BOARD, COMPLETE					

< CAPACITOR >						
C200	1-128-805-11	CERAMIC	47PF	5%	50V	
C201	1-128-805-11	CERAMIC	47PF	5%	50V	
C206	1-126-964-11	ELECT	10uF	20%	50V	
C207	1-126-964-11	ELECT	10uF	20%	50V	
C208	1-126-964-11	ELECT	10uF	20%	50V	
		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.		

Ref. No.	Part No.	Description	Remarks		
C210	1-126-964-11	ELECT	10uF	20%	50V
C213	1-126-934-11	ELECT	220uF	20%	16V
C214	1-164-159-11	CERAMIC	0.1uF		50V
C215	1-164-159-11	CERAMIC	0.1uF		50V
C248	1-128-825-11	CERAMIC	2200PF	5%	50V
C809	1-126-934-11	ELECT	220uF	20%	16V
C824	1-164-159-11	CERAMIC	0.1uF		50V
C825	1-164-159-11	CERAMIC	0.1uF		50V

< CONNECTOR >

CNP156 1-691-765-11 PLUG (MICRO CONNECTOR) 3P

< CONNECTOR >

CNS250 1-569-315-11 SOCKET, CONNECTOR 5P

< IC >

IC203 8-759-333-84 IC NJM2279D
 IC804 8-759-701-65 IC NJM79M05FA
 IC807 8-759-231-53 IC TA7805S

< JACK >

J200 1-794-978-11 JACK, PIN 3P (DVD/VIDEO 1/VIDEO 2)
 J201 1-815-043-11 JACK, PIN 2P (MONITOR/VIDEO 1)

< RESISTOR >

R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	1-247-804-11	CARBON	75	5%	1/4W
R220	1-247-804-11	CARBON	75	5%	1/4W
R221	1-247-804-11	CARBON	75	5%	1/4W

MISCELLANEOUS

8	1-773-114-11	WIRE (FLAT TYPE) (19 CORE)
△ 59	1-777-071-23	POWER SUPPLY CORD (E51,MY,SP)
△ 59	1-783-820-11	CORD, POWER (CND)
△ 59	1-827-295-21	CORD, POWER (AUS)
65	1-693-577-13	TUNER UNIT (CND,E51)
65	1-693-580-24	TUNER UNIT (AUS,MY,SP)
△ F901	1-532-464-32	FUSE (T2.5AL/250V)(E51)
△ F901	1-532-503-51	FUSE (T1.6AL/250V)(AUS,MY,SP)
△ F901	1-533-452-12	FUSE, GLASS TUBE (DIA. 5)(T4.0AL/125V) (CND)
Q503	8-749-010-25	IC MN2488-OPY-M
Q504	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)
△ T901	1-443-186-11	POWER TRANSFORMER (E51)
△ T901	1-443-211-11	POWER TRANSFORMER (AUS,MY,SP)

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.

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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