STR-KM7600

SERVICE MANUAL

E Model
Australian Model

Ver. 1.0 2010.08

- STR-KM7600 is the receiver section in HT-DDW7600/DDW8600.

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.
** Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,003,467; 7,212,872 & other U.S. and worldwide patents issued & pending. DTS, DTS Digital Surround, ES, and Neo:6 are registered trademarks and the DTS logos, Symbol and DTS 96/24 are trademarks of DTS, Inc. © 1996-2008 DTS, Inc. All Rights Reserved.

This receiver incorporates High-Definition Multimedia Interface (HDMI™) technology.
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

"x.v.Colour" and "x.v.Colour" logo are trademarks of Sony Corporation.

"BRAVIA" is a trademark of Sony Corporation.

"PlayStation" is a registered trademark of Sony Computer Entertainment Inc.

SPECIFICATIONS

Amplifier section

Models of area code AUS, SAF, EA

• Receiver (STR-KM7600)

Power Output
Stereo mode output (rated) (6 ohms, 1 kHz, THD 1%)
100 W + 100 W[1)]
Surround mode output (reference)[2)]
RMS output
FRONT: 185 W per channel[1)] (with SS-MSP7500)
CENTER: 185 W[1)] (with SS-CNP7500)
SURROUND: 185 W per channel[1)] (with SS-SRP7500)
SURROUND BACK: 185 W per channel[1)] (with SS-SRP7500)

[1)] Measured under the following conditions:

Area code	Power requirements
SAF	240 V AC, 50 Hz
EA	127 V AC, 60 Hz
AUS	230 V AC, 50 Hz

[2)] Reference power output for front, center, surround and surround back speakers. Depending on the sound field settings and the source, there may be no sound output.

Inputs
Analog: Sensitivity: 800 mV/ 50 kohms
Digital (Coaxial): Impedance: 75 ohms

Outputs (Analog)
AUDIO OUT: Voltage: 800 mV/10 kohms
SUBWOOFER: Voltage: 2 V/1 kohm

Tone
Gain levels: ±6 dB, 1 dB step

Reproduction frequency range:
28 – 20,000 Hz

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

Area code	Tuning scale	
	10 kHz step	9 kHz step
AUS	530 – 1,710 kHz	531 – 1,710 kHz
SAF	530 – 1,610 kHz	531 – 1,602 kHz
EA	531 – 1,602 kHz	

Antenna: Loop antenna
Intermediate frequency
450 kHz

Video section

Inputs/Outputs
Video: 1 Vp-p, 75 ohms
COMPONENT VIDEO:
Y: 1 Vp-p, 75 ohms
PB: 0.7 Vp-p, 75 ohms
PR: 0.7 Vp-p, 75 ohms
80 MHz HD Pass Through

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-890-553-01
2010H08-1

Sony Corporation
Audio & Video Business Group
Published by Sony EMCS (Malaysia) PG Tec

SONY®

STR-KM7600

HDMI Video

Input/Output (HDMI Repeater block)
640 × 480p@60 Hz
720 × 480p@59.94/60 Hz
1280 × 720p@59.94/60 Hz
1920 × 1080i@59.94/60 Hz
1920 × 1080p@59.94/60 Hz
720 × 576p@50 Hz
1280 × 720p@50 Hz
1920 × 1080i@50 Hz
1920 × 1080p@50 Hz
1920 × 1080p@24 Hz

HDMI Video (3D)

Input/Output (HDMI Repeater block)
1280 × 720p@59.94/60Hz Frame packing
1920 × 1080i@59.94/60Hz Frame packing
1920 × 1080i@59.94/60Hz Side-by-Side (Half)
1920 × 1080p@59.94/60Hz Side-by-Side (Half)
1280 × 720p@50Hz Frame packing
1920 × 1080i@50Hz Frame packing
1920 × 1080i@50Hz Side-by-Side (Half)
1920 × 1080p@50Hz Side-by-Side (Half)
1920 × 1080p@24Hz Frame packing

General

Power requirements

Area code	Power requirements
AUS	230 V AC, 50 Hz
SAF	230 – 240 V AC, 50/60 Hz
EA	120 – 127/220/230 – 240 V AC, 50/60 Hz

Power output (DIGITAL MEDIA PORT)
DC OUT: 5 V, 0.7 A MAX
System Control output
DC OUT: 5 V, 50mA MAX

Power consumption

• STR-KM7600

Area code	Power consumption
AUS, SAF, EA	220W

• TA-KMSW500

Area code	Power consumption
AUS, SAF, EA	160W

Power consumption (during standby mode)
0.3 W (when "CTRL:HDMI" in HDMI menu is set to "CTRL OFF")

Dimensions (width/height/depth) including projecting parts and controls (Approx.)
Receiver 430 × 158 × 342 mm
Power amplifier 430 × 158 × 332 mm

Mass (Approx.)
Receiver 8.0 kg
Power amplifier 6.6 kg

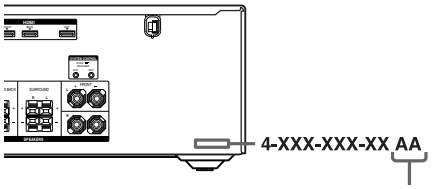
- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model
  SAF : South African model

Design and specifications are subject to change without notice.

Halogenated flame retardants are not used in the certain printed wiring boards.

About area codes

The area code of the receiver you purchased is shown on the lower right portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, "Models of area code AA only".

SAFETY-RELATED COMPONET WARNING!

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

SECTION 1
SERVICING NOTES

TABLE OF CONTENTS

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 viscou-s (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.

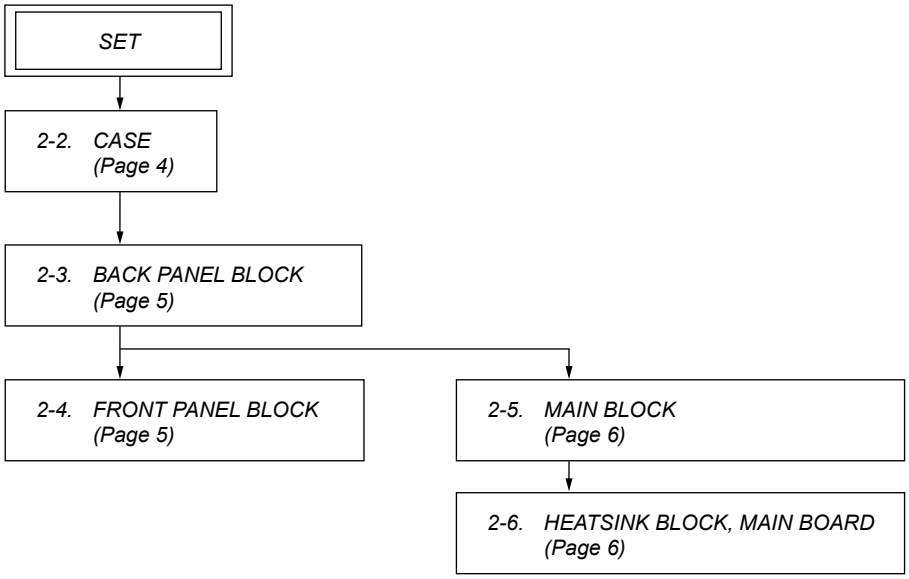
NOTE OF REPLACING THE IC3500 AND IC3501 ON THE HDMI PC BOARD

IC3500 and IC3501 on the HDMI PC board cannot exchange with single. When IC3500 and IC3501 on the HDMI PC board are damaged, exchange the entire mounted board.

SECTION 2
DISASSEMBLY

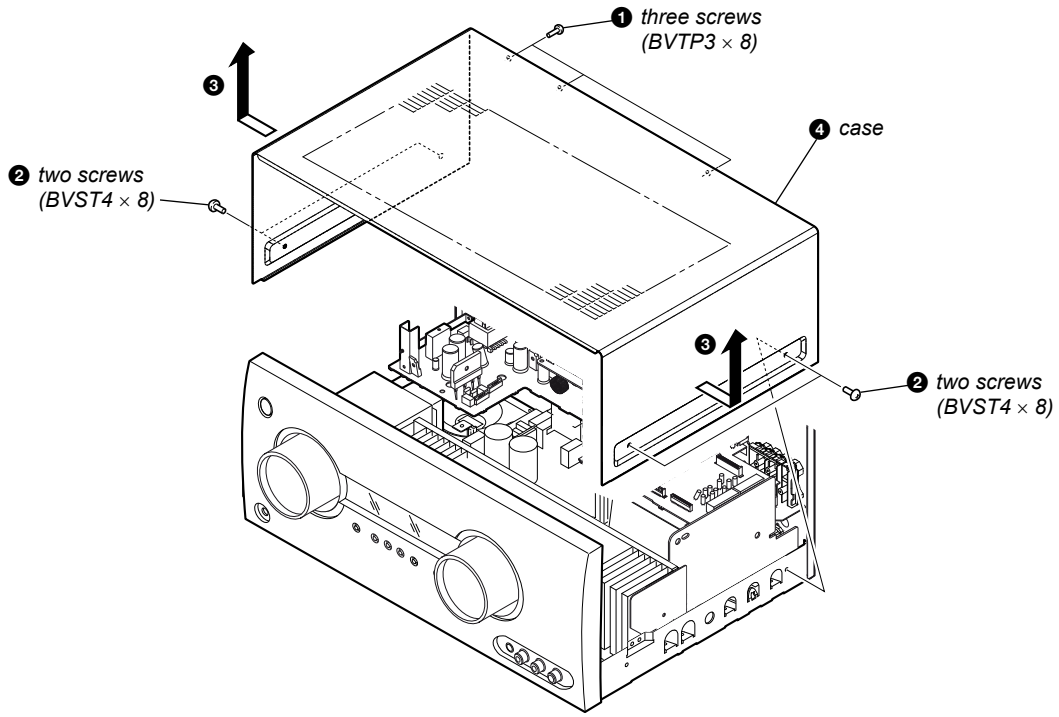
- This set can be disassembled in the order shown below.

2-1. DISASSEMBLY FLOW

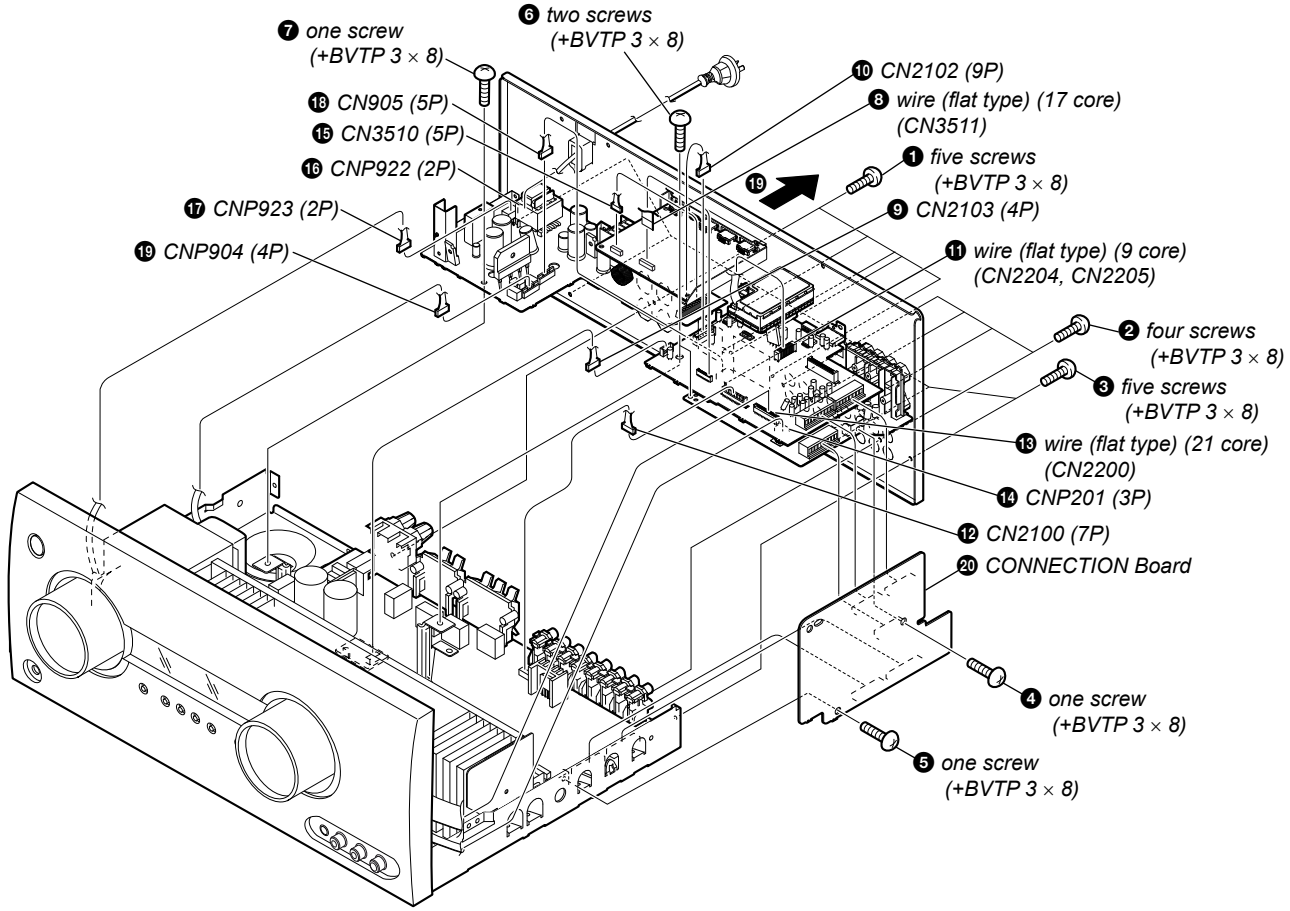


Note: Follow the disassembly procedure in the numerical order given.

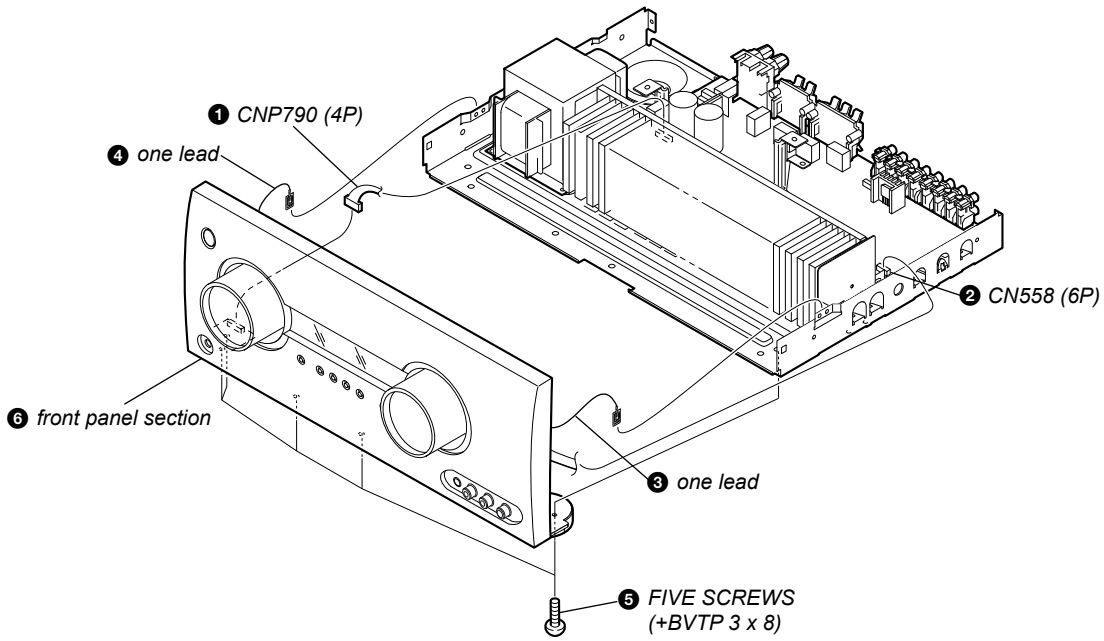
2-2. CASE



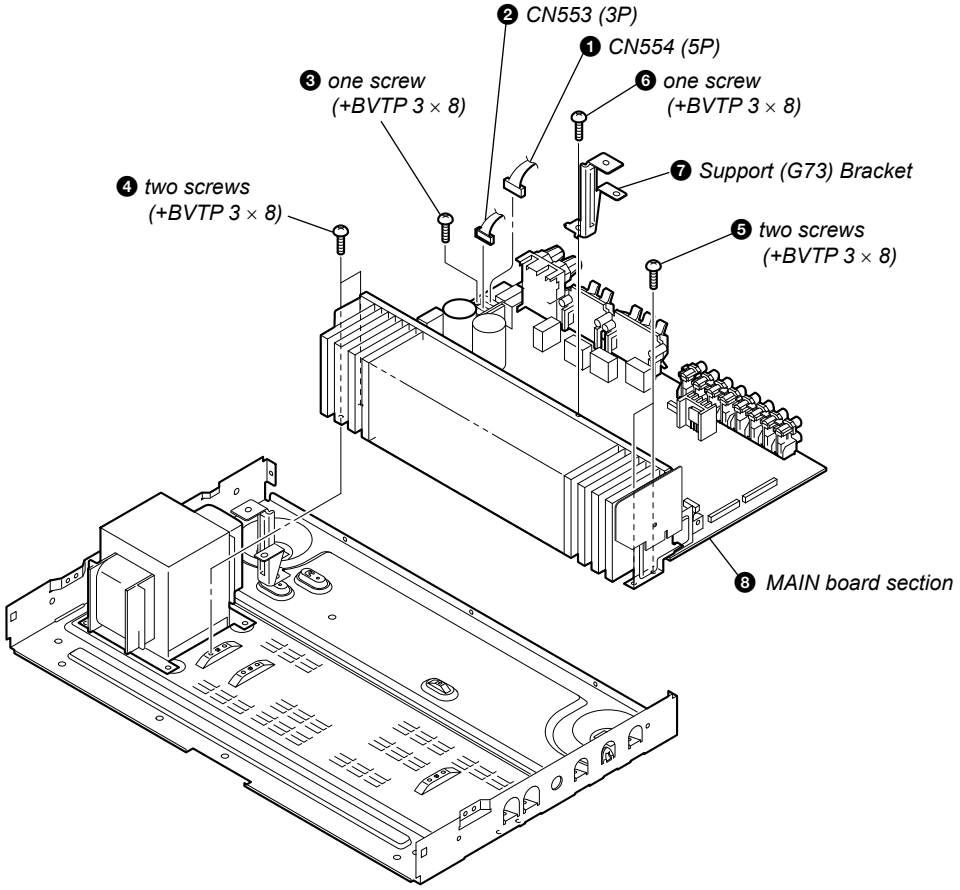
2-3. BACK PANEL BLOCK



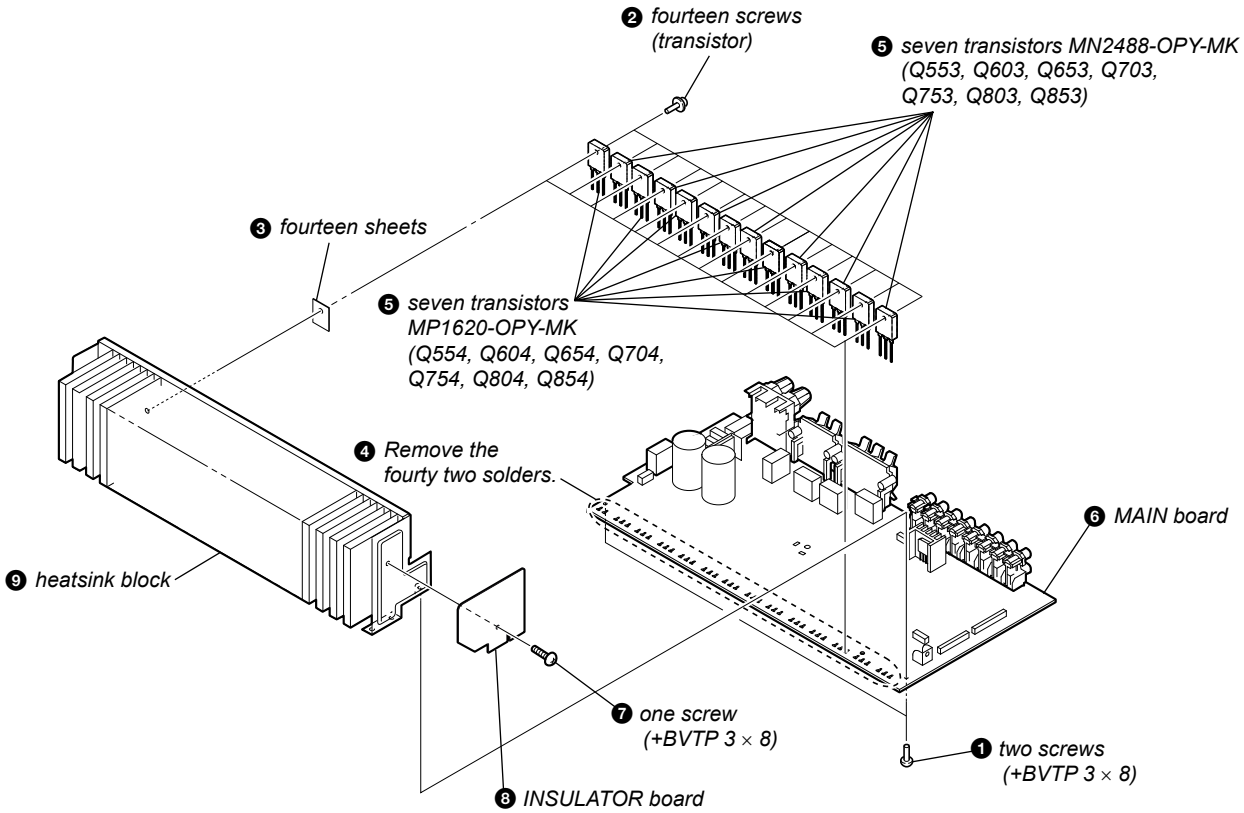
2-4. FRONT PANEL BLOCK



2-5. MAIN BLOCK



2-6. HEATSINK BLOCK, MAIN BOARD



SECTION 3
TEST MODE

TUNER AM STEP CHANGE (9 kHz/10 kHz) MODE

The AM tuning interval can be changed over 9 kHz or 10 kHz.

Procedure:

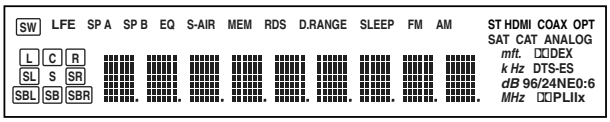
1. Press the [I/⏻] button to turn on the main power.
2. Press TUNER repeatedly to select AM.
3. Press AMP MENU.
   "1-LEVEL" appears on the display.
4. Press ↑/↓ repeatedly to select "4-TUNER".
5. Press ⊕ or → to enter the menu.
6. Press ↑/↓ repeatedly to select "AM STEP".
7. Press ⊕ or → to enter the parameter.
8. Press ↑/↓ repeatedly to select the AM tuning scale you want.

FL CHECK 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.

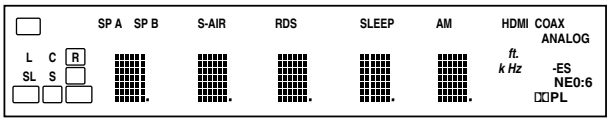
Procedure:

1. When pressing the [MULTI STEREO] and [A.F.D.] buttons, press the [I/⏻] button to turn on the main power.
2. All segments and [MULTI STEREO] and [NIGHT MODE] LED turn on.



3. Turn the [INPUT SELECTOR] dial.
4. Test pattern 1 turn on, [MULTI STEREO] LED turn on and [NIGHT MODE] LED turn off.

5. Turn the [INPUT SELECTOR] dial once again.
6. Test pattern 2 and [MULTI STEREO] LED turn off and [NIGHT MODE] LED turn on .



7. Turn the [INPUT SELECTOR] dial once again. All segments and LED turn off.
8. Every turning of the [INPUT SELECTOR] dial turns on each segment one after another on the same order.

S.F. CLEAR MODE

The preset sound filed is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [A.F.D.] button, press the [I/⏻] button to turn on the main power.
2. The message "S.F. CLR." appears and initialization is performed.

VERSION CHECK MODE

When this mode is used the model, the destination and the software version number are displayed.

Procedure:

1. While pressing the [NIGHT MODE] and [GAME] buttons, press the [I/⏻] button to turn on the main power.
2. The model, the distination and the software version number appear.

KEY CHECK MODE

This mode is used to check the key.

Procedure:

1. While pressing the [MUSIC] and [MOVIE] buttons, press the [I/⏻] button to turn on the main power.
2. The message "REST 06" appears.
3. Every pressing of any button other than the [I/⏻] button counts down the buttons. The buttons which are already counted once are not counted again.
4. When all buttons are pressed, the message "REST 00" appears.

SWAP ALL MODE

When this mode is used, output the audio signal of front L/R channel to all channel.

Procedure:

1. While pressing the [MULTI STEREO] and [MOVIE] buttons, press the [I/⏻] button to turn on the main power.
2. The message "SWP. ALL" appears.
3. After a few seconds, "SWAP" will appear (No change while displayed).

SHIPMENT MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

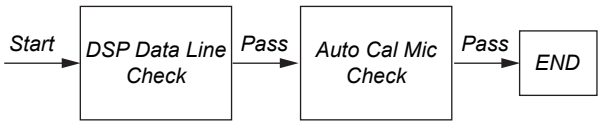
Procedure:

1. While pressing the [NIGHT MODE] and [MULTI STEREO] buttons, press the [I/⏻] button to turn on the main power.
2. The message "CLEARING" appears.

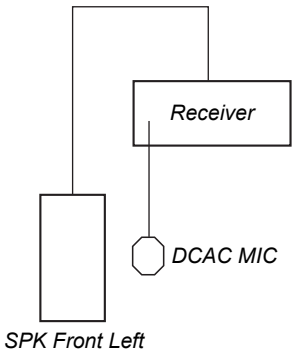
DCAC FACTORY TEST MODE

DCAC Factory Test mode have two stages:

1. DCAC DSP Data Line Checking
2. DCAC board Checking



Factory Test System Setup



1. When power off :
   While pressing the [GAME] and [MOVIE] buttons, press the [I/⏻] button to turn on the main power .
   "DCAC FTM" appears.
   Afterward, press the [NIGHT MODE] to start DCAC factory test mode.

1. DCAC DSP Data Line Checking

After press the [TUNING MODE] button, DCAC Factory test mode will start, below display will show:

"DCAC x" x = 1, 2, 3, 4

If there is error happen, below display will show:

"ERR SD0x" x = 1 → D1501 or R1530 problem
x = 2 → D1502 problem
x = 3 → D1503 problem
x = 4 → D1504 problem

2. DCAC board Checking

Connect front left speaker of the receiver and AUTO CAL microphone. Turn [MASTER VOLUME] jog, there will be test tone sound output from front left speaker, and the display will change accordingly.

"AD - xxx" xxx = 0 to 255 (depends on loudness of test tone)

Note
When the value reaches more than 222, the test tone will muted (for production line checking). Thus, the AD value will drop to 0. To check the AD value again, power off the receiver and re-enter the test mode.

VACS CONTROL TEST MODE

The VACS feature of the amplifier is turned off purposely.

Procedure:

1. While pressing the [MUSIC] and [A.F.D] buttons, press the [I/⏻] button to turn on the main power.
2. The message "VACS OFF" appears.

HISTORY MODE

* The state that the set is used is memorized.
* Procedure:

1. While depressing the [GAME] and the [A.F.D.] buttons simultaneously, press the [I/⏻] button to turn on the main power.
2. "HISTORY" appears.
3. Each time the [↑] / [↓] buttons on the remote commander is pressed, the item is switched in order as follows.

Items	
Protector Count	COUNT XX
Total single power on time	SXXXHXXM
Sound Field	SND FLD
Input function	FUNCTION
Input Mode	INP MODE
Digital Select	DIGI IN
Stream information	STREAM
Signal configuration	CO XXXXX
Headphones	HP XXX
Volume	VOL XXX
Bass Setting	BASS XXX
Treble Setting	TREB XXX
Front Level Setting	F XXX
Center Level Setting	CT XXX
Surround Left Level Setting	SL XXX
Surround Right Level Setting	SR XXX
Surround Back Left Level Setting	BL XXX
Surround Back Right Level Setting	BR XXX
Subwoofer Level Setting	SW XXX
Total power on time	TXXXHXXM
Muting Status	MUTE XXX
Power on counter (Rebox test mode)	P.W. XXX
Protector Type	PRT XXXX
Temperature when protect	TEM XXXC

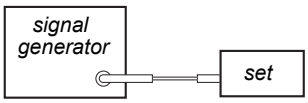
PROTECTOR AUTO OFF

* Procedure:

1. While depressing the [NIGHT MODE] and the [MUSIC] buttons simultaneously, press the power [I/⏻] button to turn on the main power.
2. "PROTEVER" appears.

SECTION 4
ELECTRICAL CHECK

FM AUTO STOP CHECK



Procedure:

1. Turn on the set.
2. Input the following signal from signal generator to FM antenna input directly.

Carrier frequency: A = 87.5 MHz, B = 98 MHz, C = 108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 1 kHz

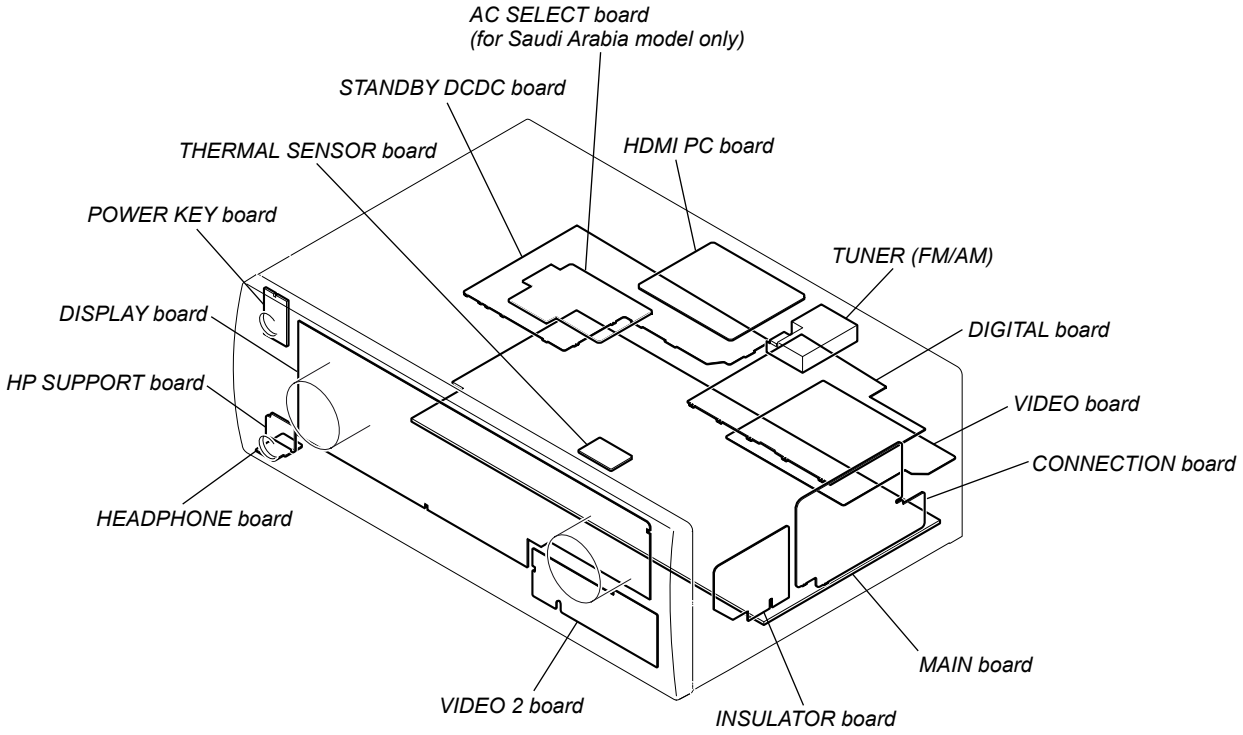
Note: Use 75 ohm coaxial cable to connect signal generator and the set.
You cannot use video cable for checking.
Use signal generator whose output impedance is 75 ohm.

3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input frequency of A, B and C are detected and automatic scanning stops.

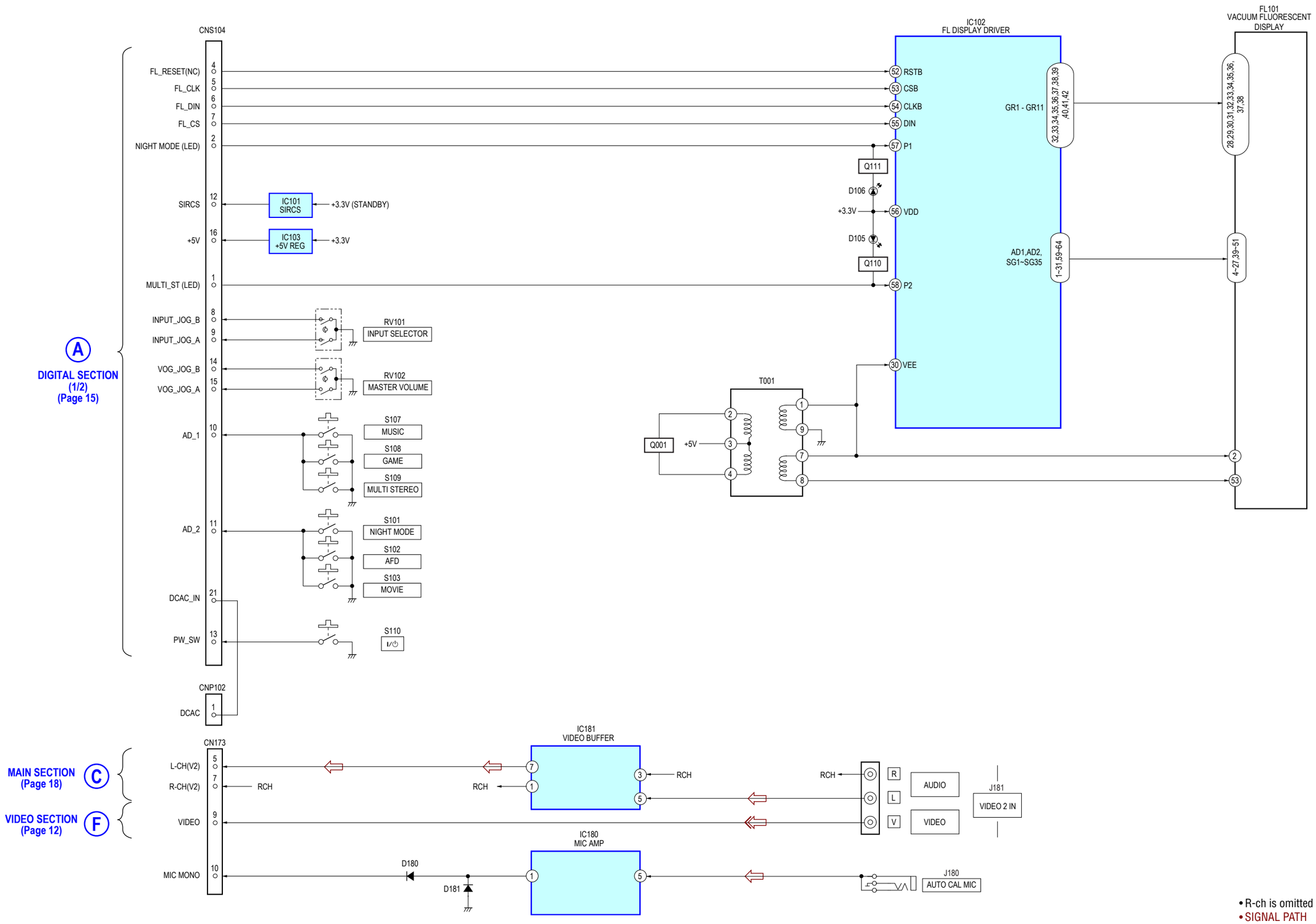
When the station signal is received in good condition, automatic scanning stops.

SECTION 5
DIAGRAMS

- **Circuit Boards Location**



5-1. BLOCK DIAGRAM — DISPLAY SECTION —

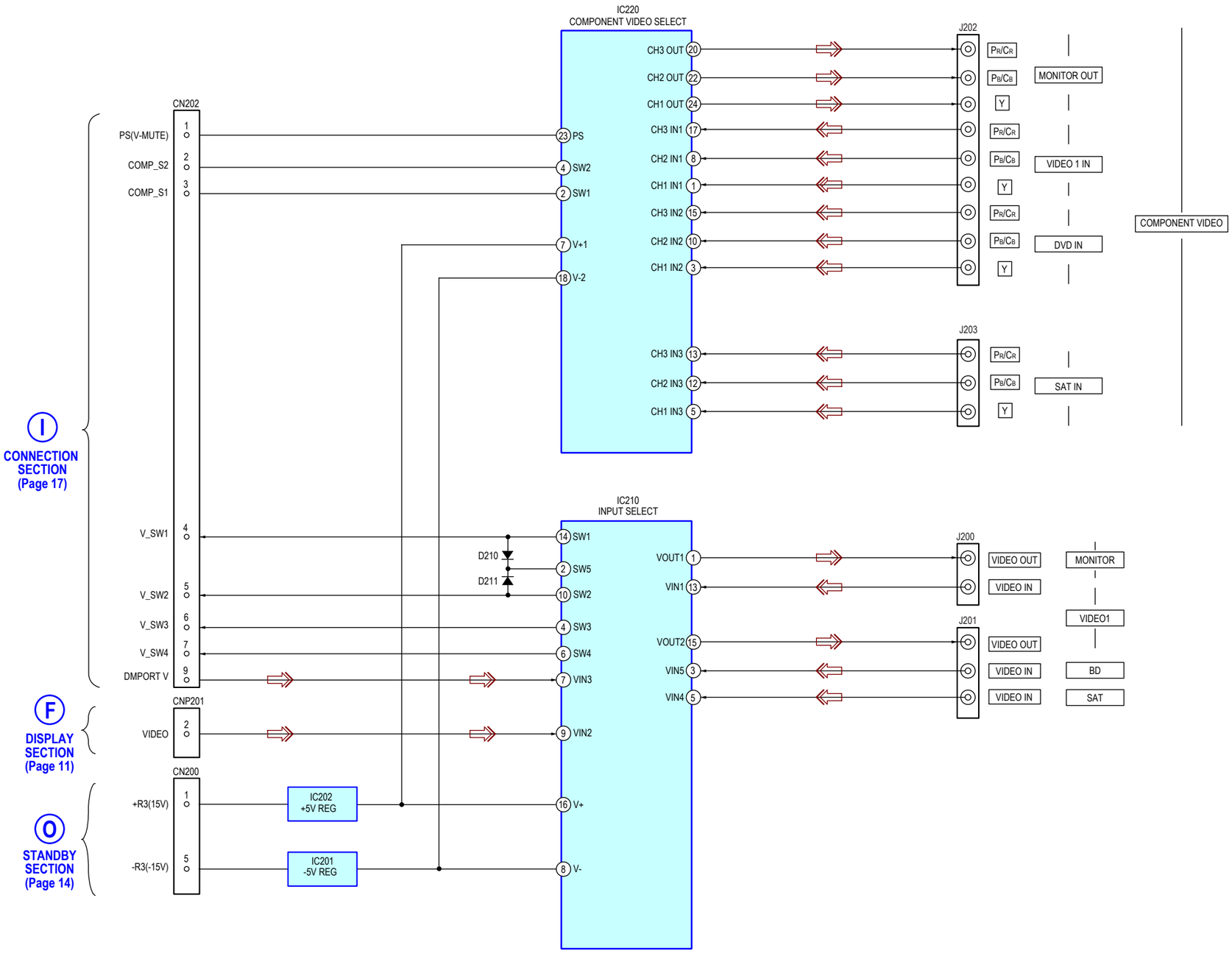


• R-ch is omitted due to same as L-ch.
• SIGNAL PATH

: VIDEO

: AUDIO

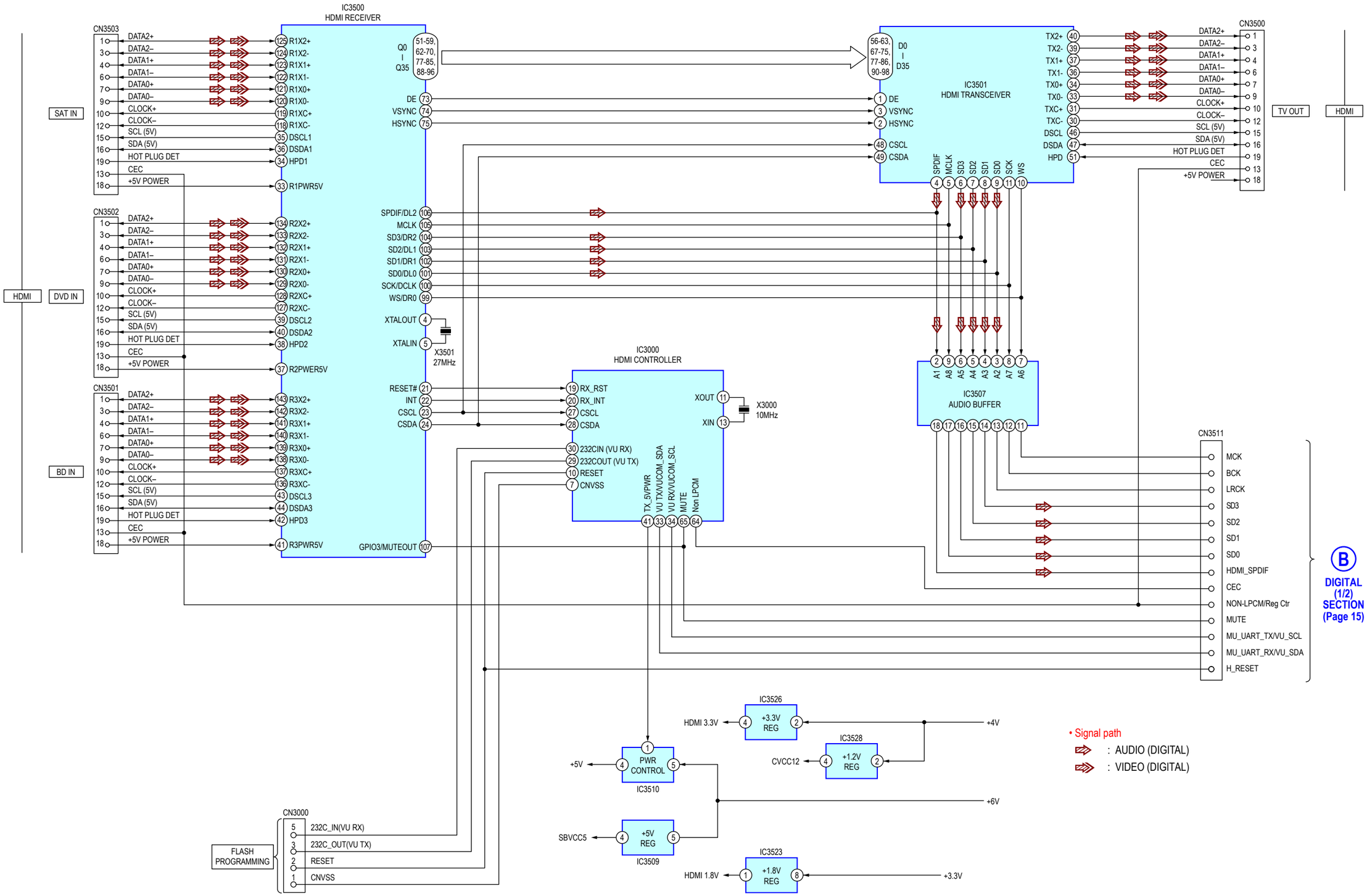
5-2. BLOCK DIAGRAM — VIDEO SECTION —



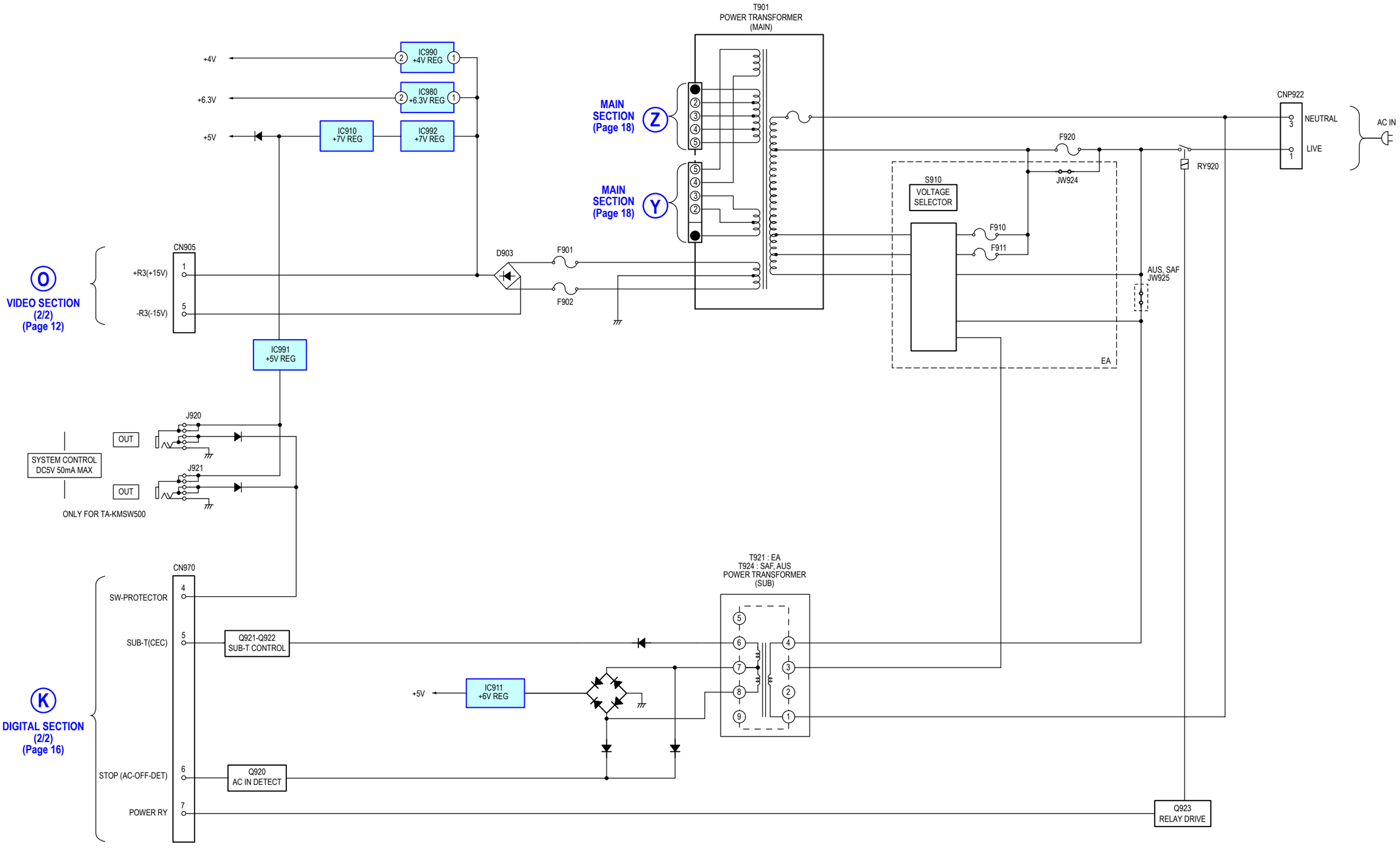
• R-ch is omitted due to same as L-ch.
• Signal path

⇨ : VIDEO

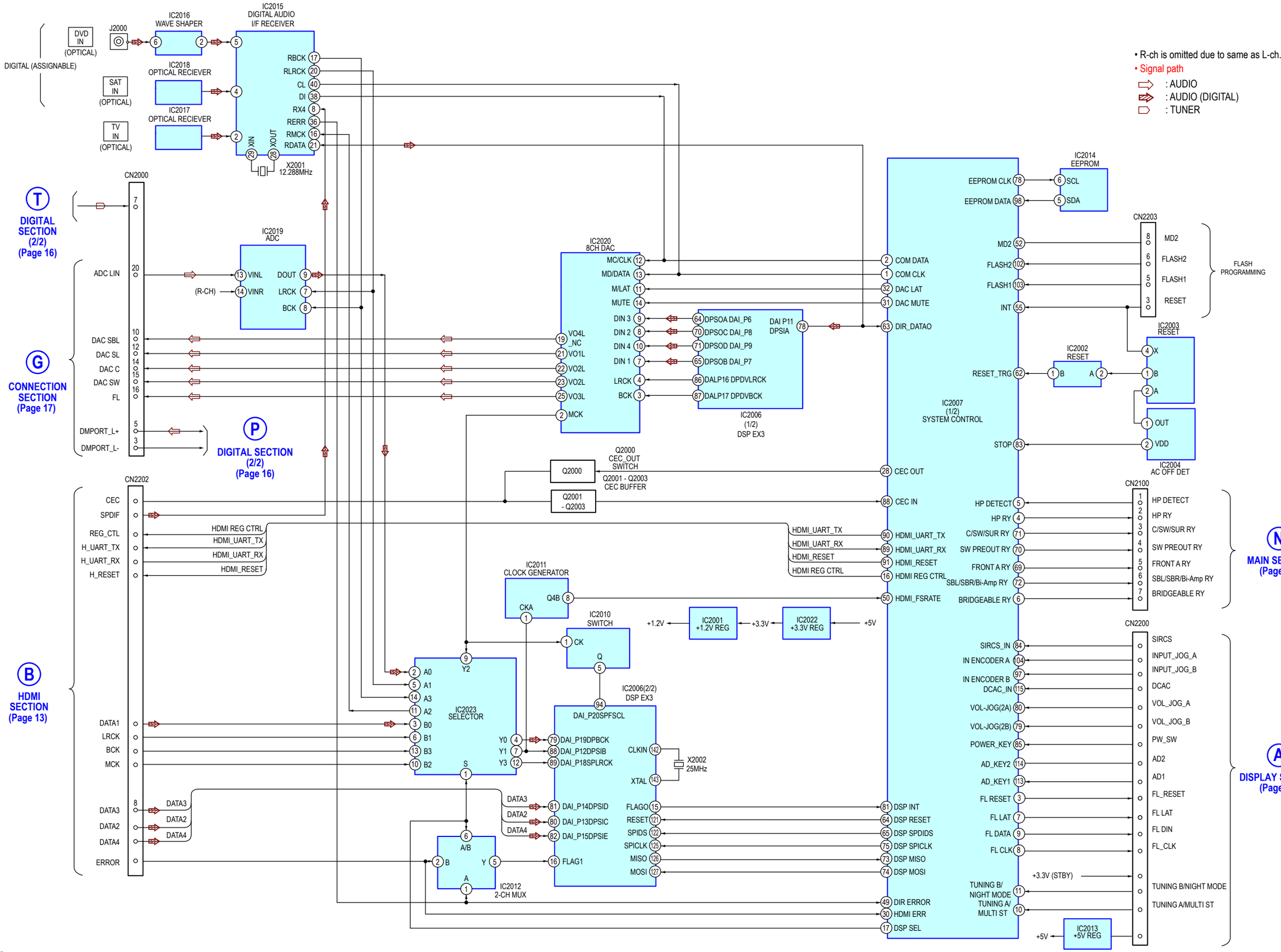
5-3. BLOCK DIAGRAM — HDMI SECTION —



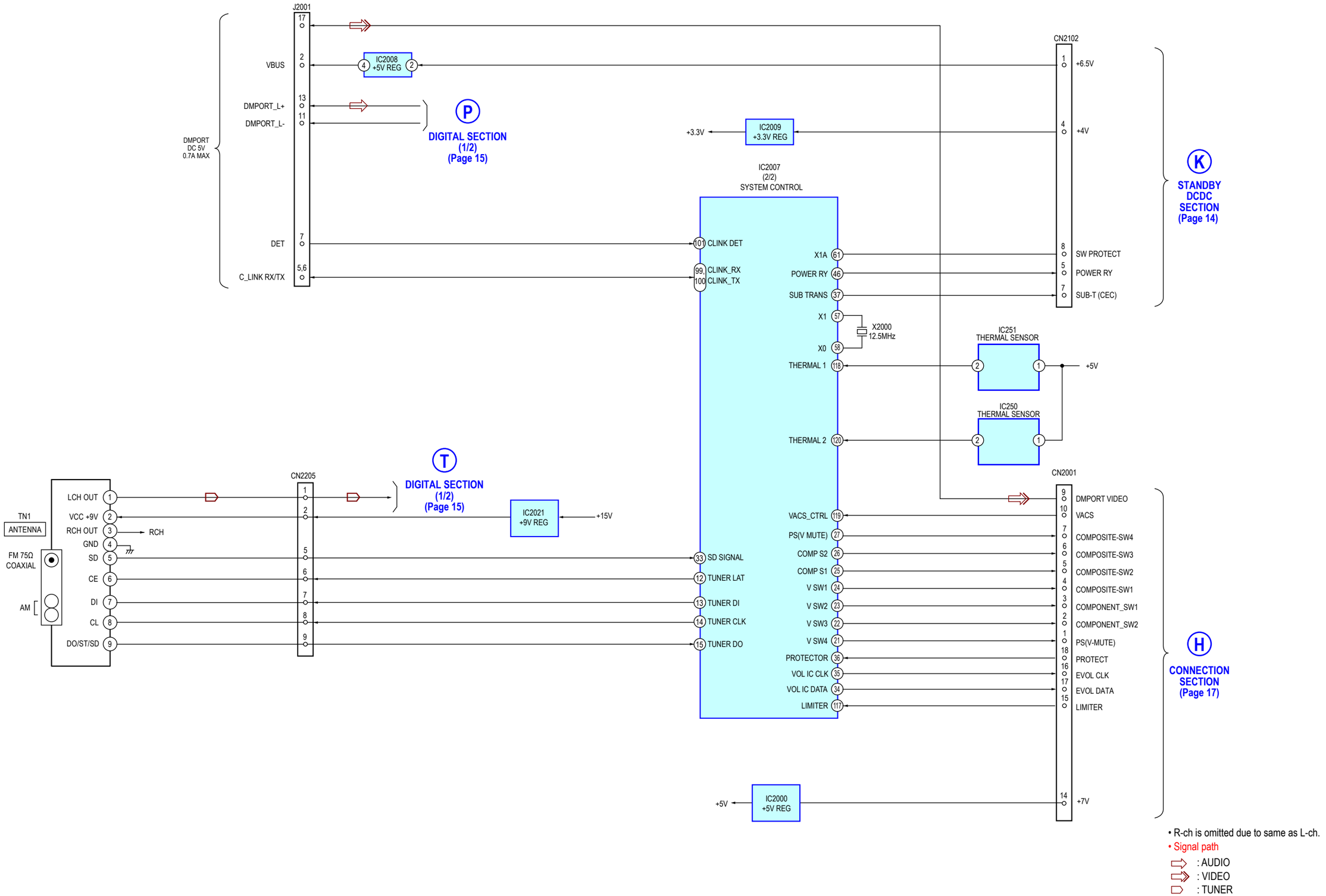
5-4. BLOCK DIAGRAM — STANDBY DCDC SECTION —



5-5. BLOCK DIAGRAM — DIGITAL (1/2) SECTION —

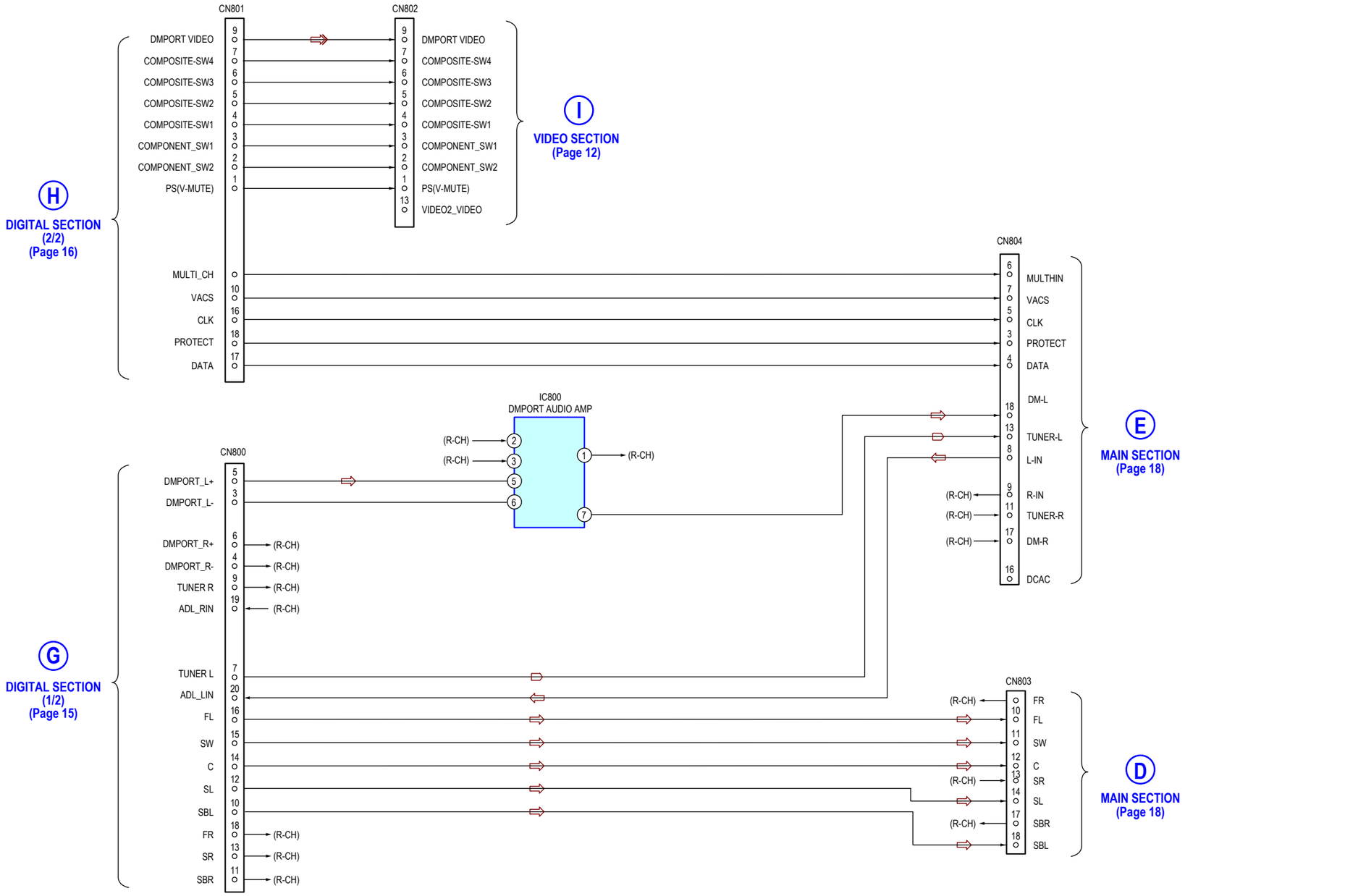


5-6. BLOCK DIAGRAM — DIGITAL (2/2) SECTION —



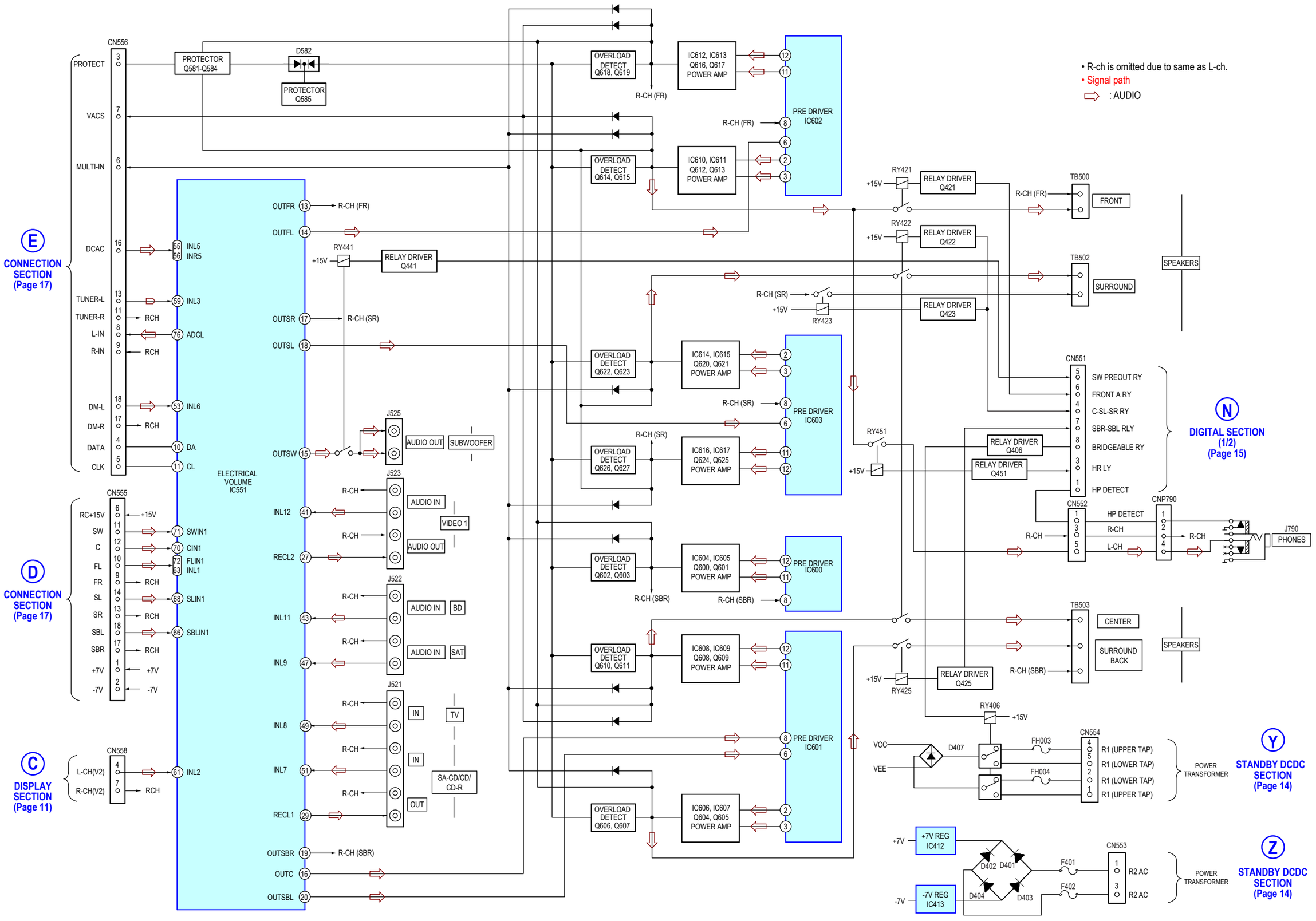
• R-ch is omitted due to same as L-ch.
• Signal path
: AUDIO
: VIDEO
: TUNER

5-7. BLOCK DIAGRAM — CONNECTION SECTION —



• R-ch is omitted due to same as L-ch.
• Signal path
⇨ : AUDIO
⇛ : VIDEO
⇨ : TUNER

5-8. BLOCK DIAGRAM — MAIN SECTION —



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

For Printed Wiring Boards.

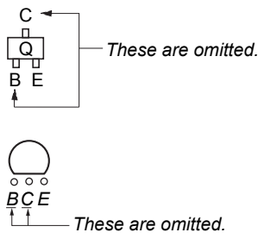
Note:

- ○——— : Parts extracted from the component side.
- ——— : Parts extracted from the conductor side.
- △ : Internal component.
- ▭ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

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

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

- Indication of transistor.



- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model
  SAF : South African model

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 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : flusible resistor.
- : panel designation.

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

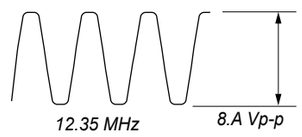
- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : VIDEO
  : AUDIO
  : TUNER
  : AUDIO (DIGITAL)
  : VIDEO (DIGITAL)
  : MIC

- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model
  SAF : South African model

• Waveforms

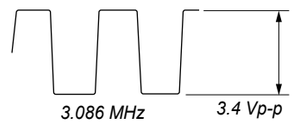
– DIGITAL Board –

① IC2015 ⑯ (RMCK)



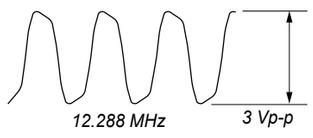
1 V/DIV, 50 nsec/DIV

② IC2015 ⑰ (RBCK)



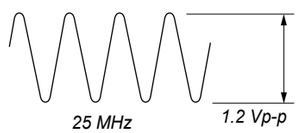
1 V/DIV, 20 nsec/DIV

③ IC2015 ㉘ (XOUT)



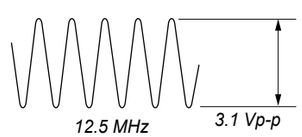
1 V/DIV, 50 nsec/DIV

④ IC2006 ㊽ (XTAL)



1 V/DIV, 20 nsec/DIV

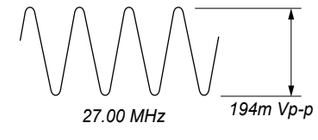
⑤ IC2007 ㊼ (X1)



1 V/DIV, 50 nsec/DIV

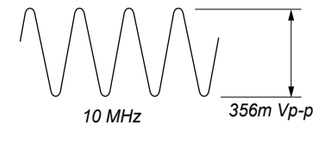
– HDMI PC Board –

① IC3500 ④ (XTALOUT)



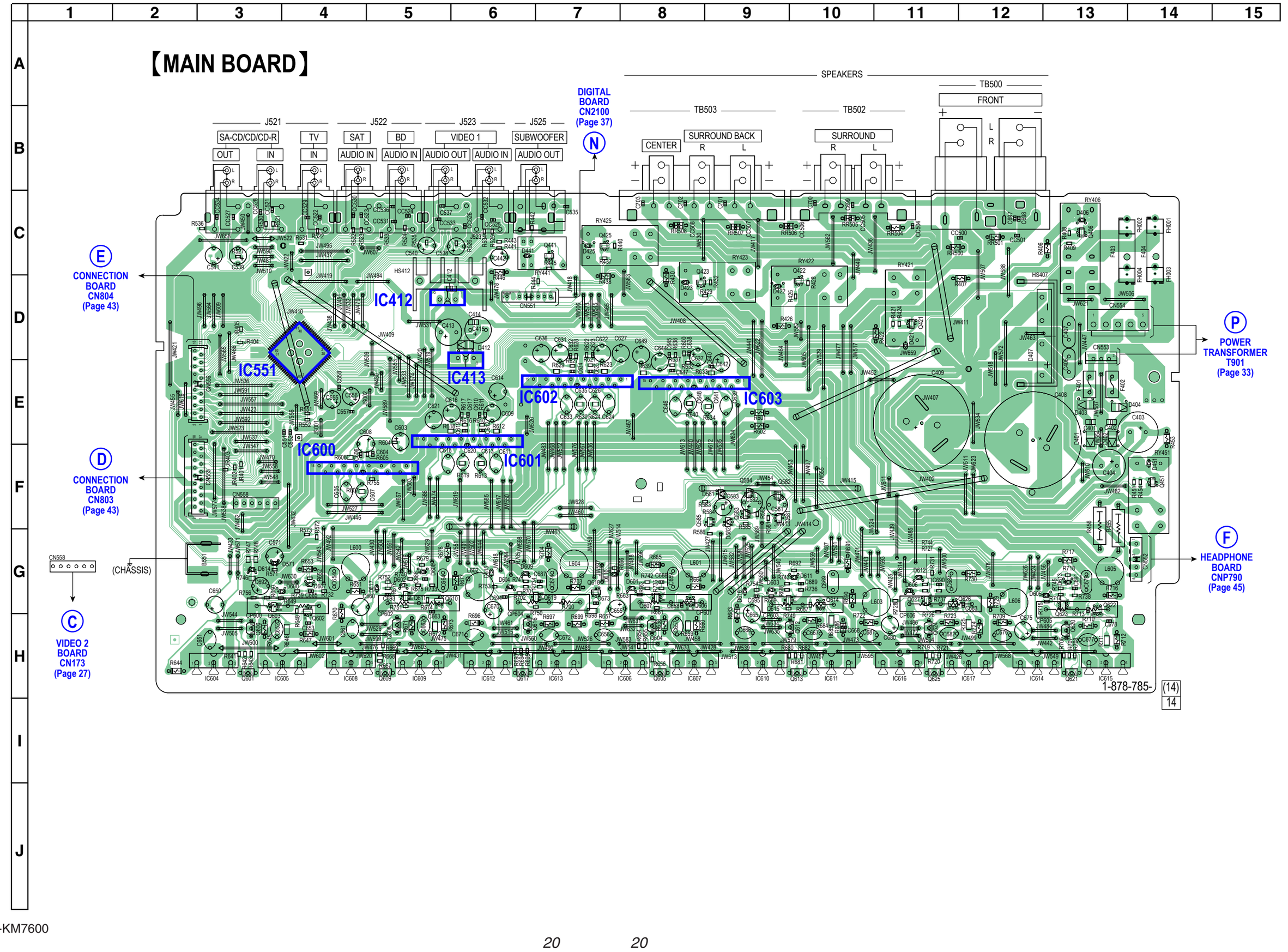
50m V/DIV, 10 nsec/DIV

② IC3000 ⑪ (XOUT)



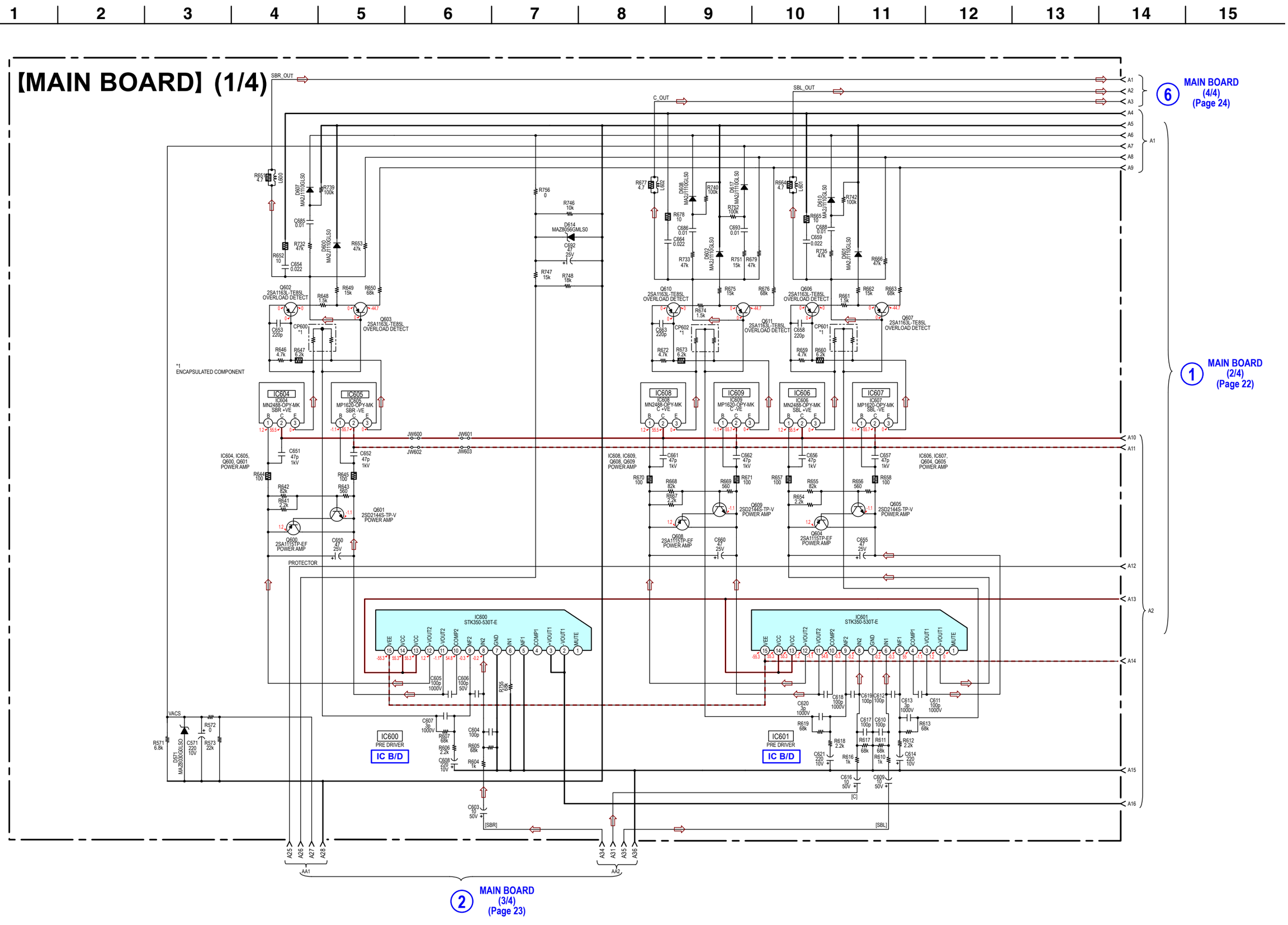
100m V/DIV, 50 nsec/DIV

5-9. PRINTED WIRING BOARD — MAIN BOARD — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.



5-10. SCHEMATIC DIAGRAM — MAIN BOARD (1/4) — • Refer to page 48 for IC Block Diagrams.

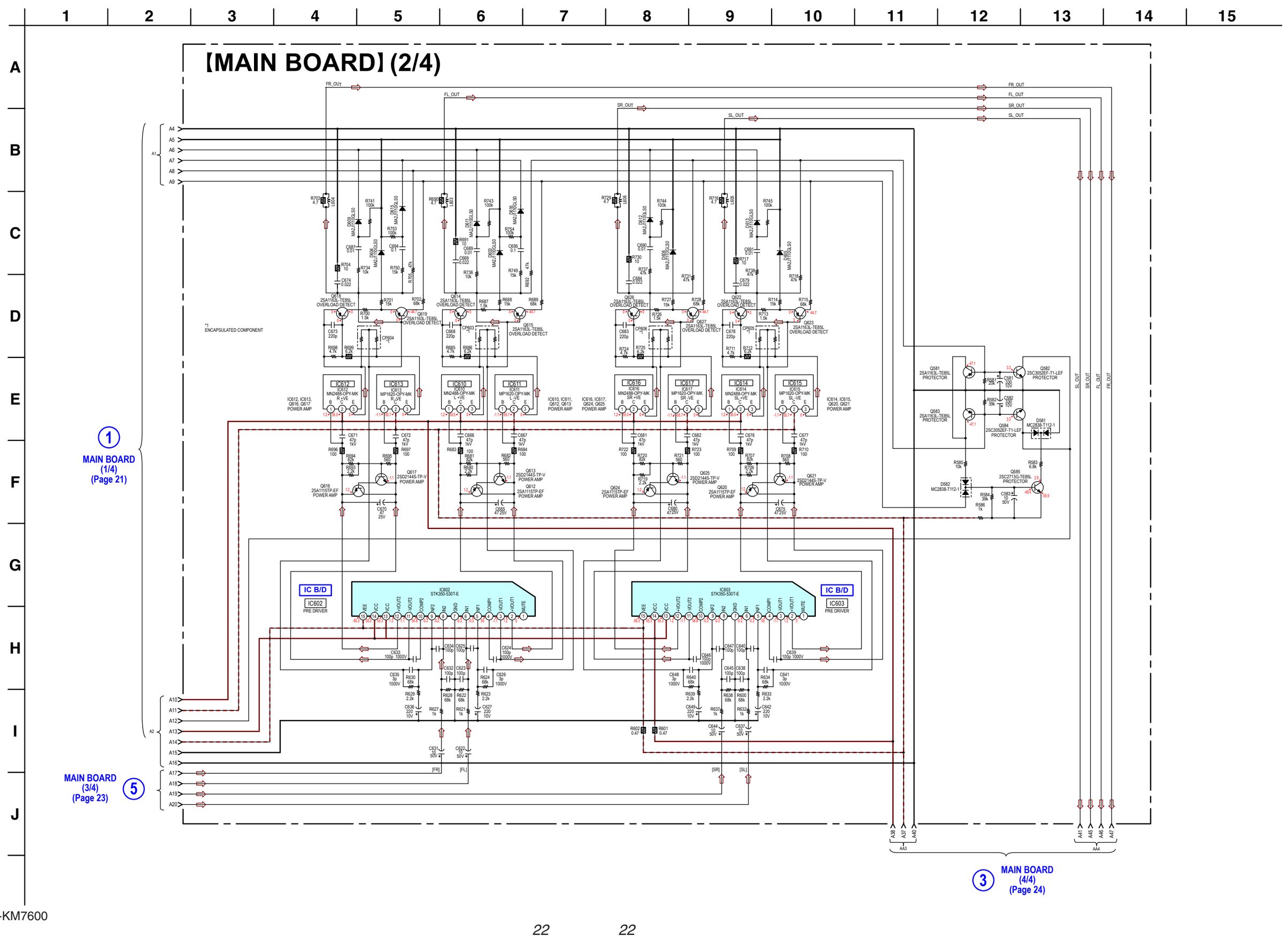
【MAIN BOARD】 (1/4)



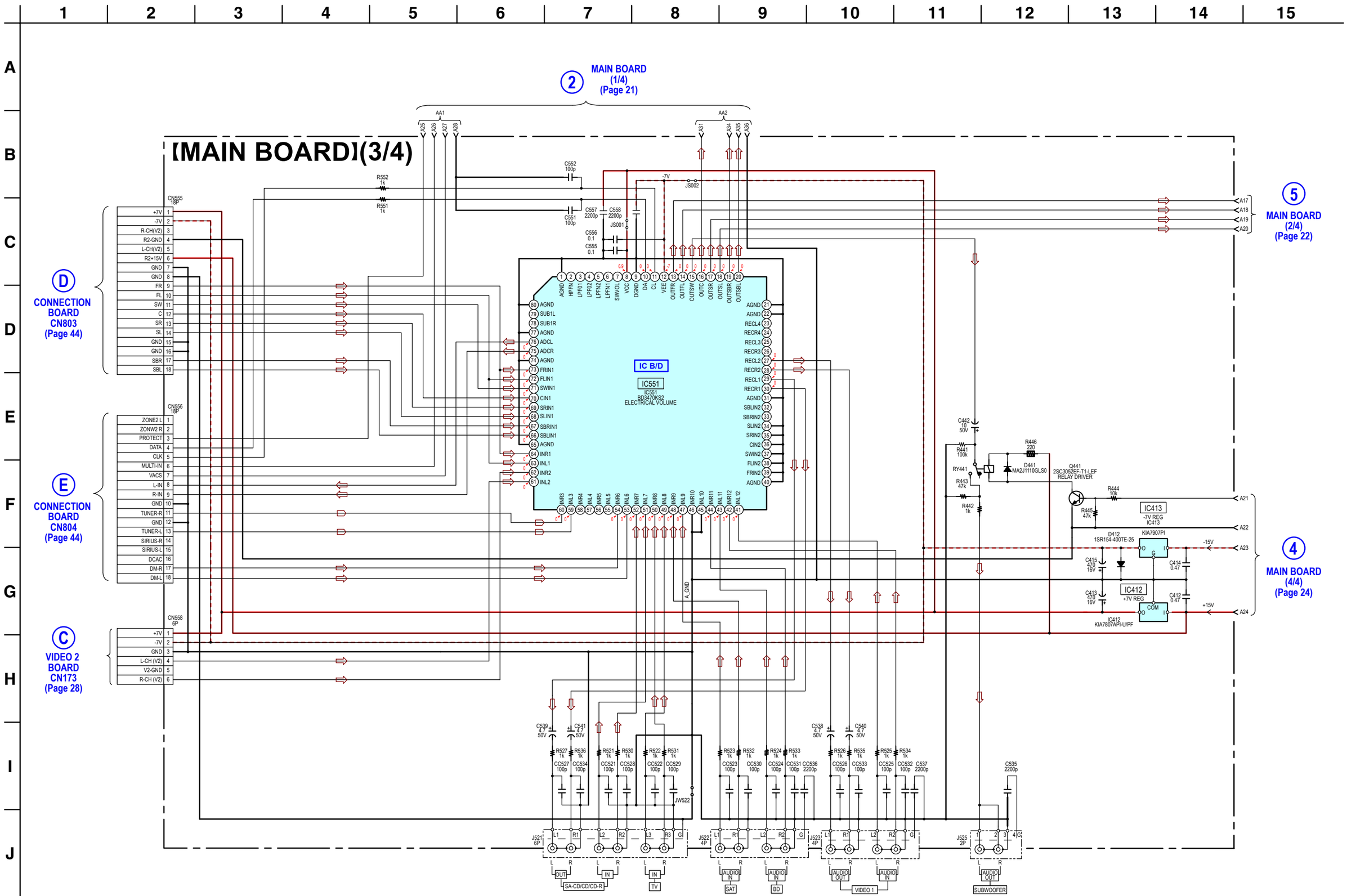
5-11. SCHEMATIC DIAGRAM — MAIN BOARD (2/4) — • Refer to page 48 for IC Block Diagrams.

【MAIN BOARD】(2/4)

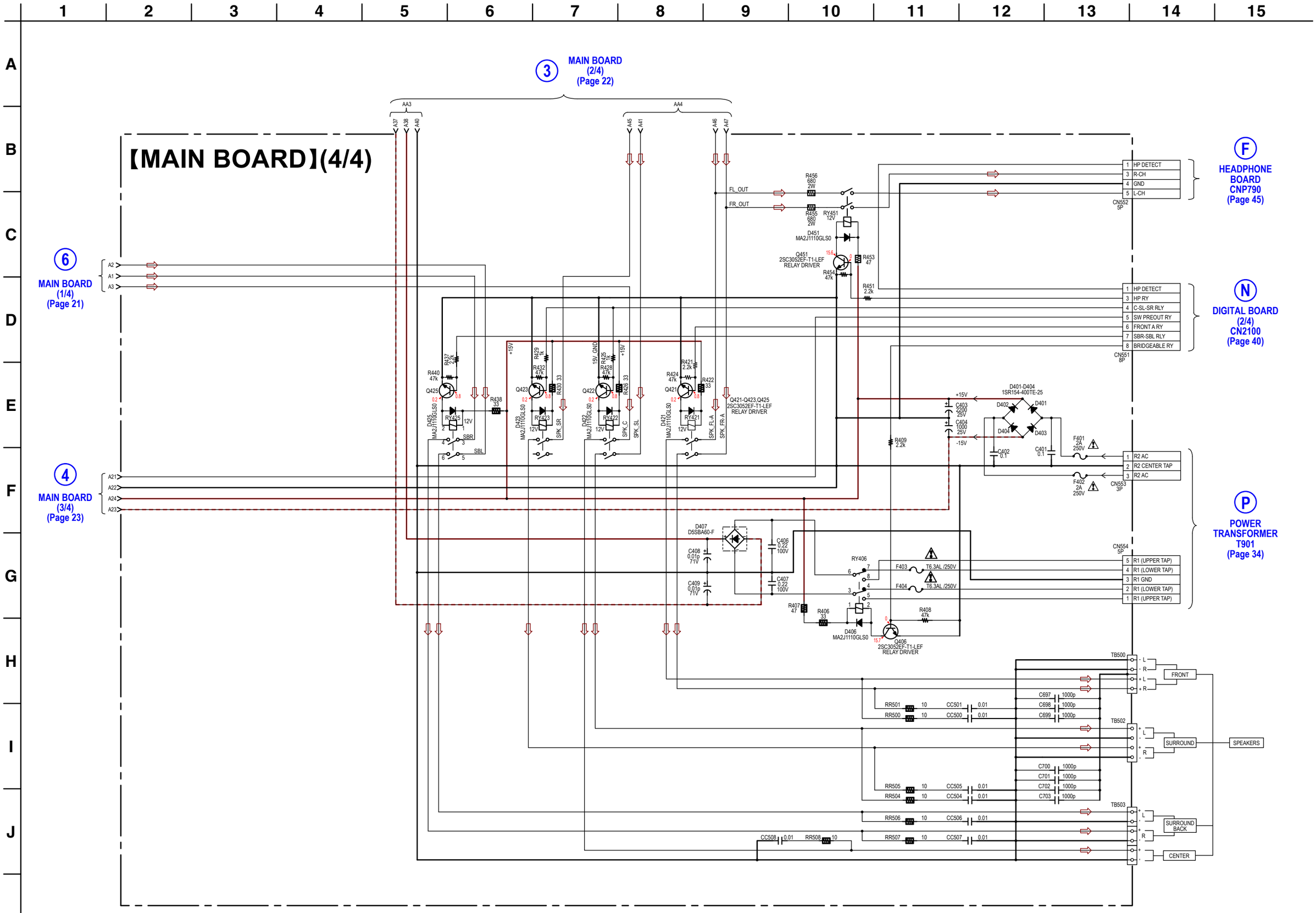
*1 ENCAPSULATED COMPONENT



5-12. SCHEMATIC DIAGRAM — MAIN BOARD (3/4) — • Refer to page 48 for IC Block Diagrams.

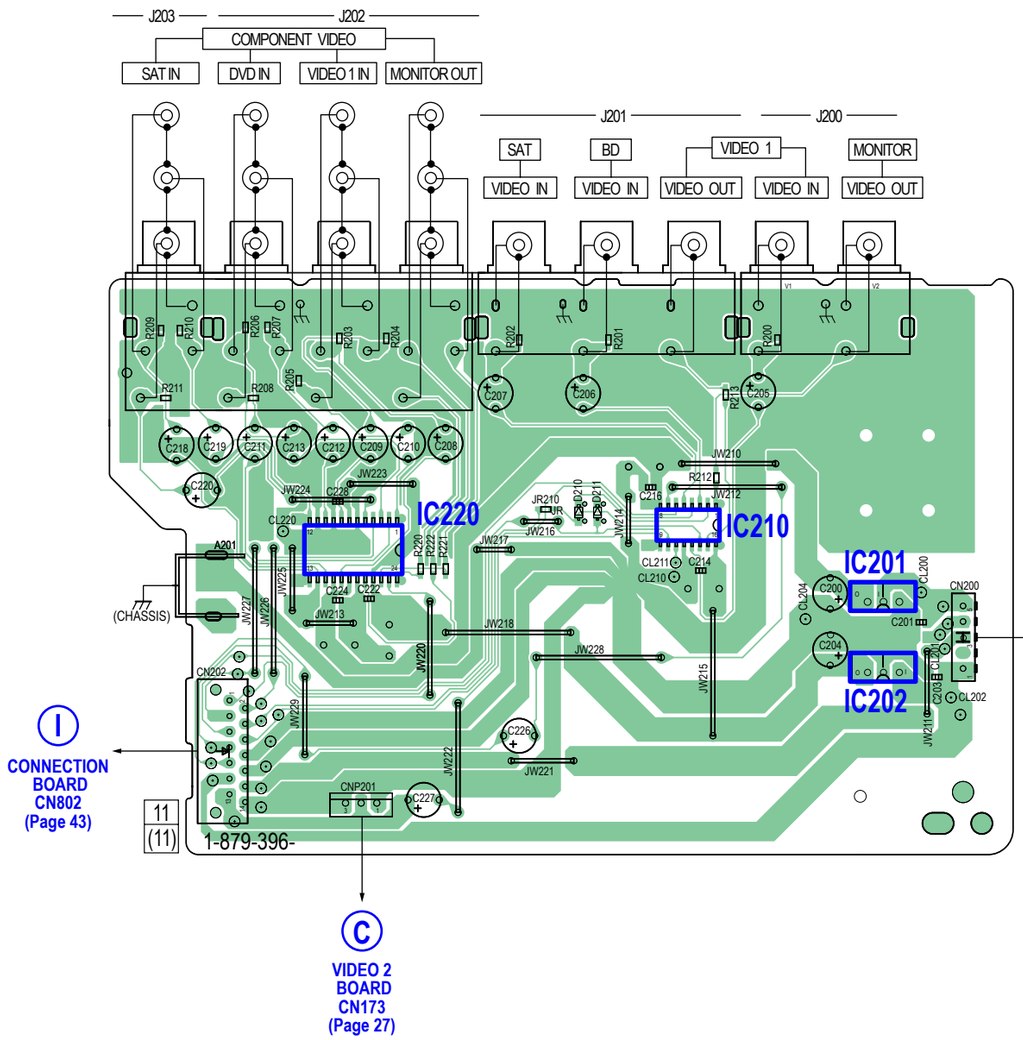


5-13. SCHEMATIC DIAGRAM — MAIN BOARD (4/4) —



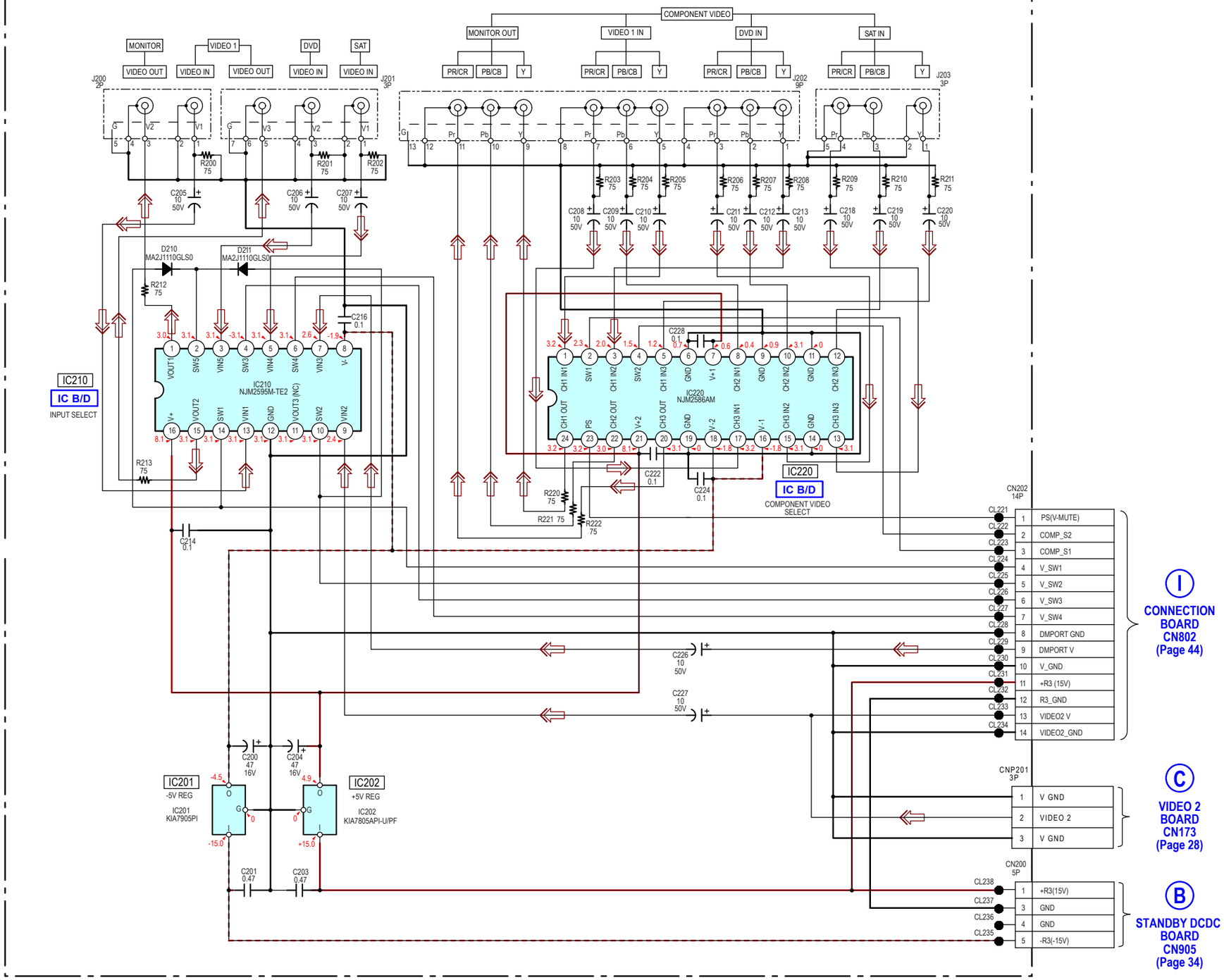
5-14. PRINTED WIRING BOARD — VIDEO BOARD — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.

【VIDEO BOARD】



5-15. SCHEMATIC DIAGRAM — VIDEO BOARD — • Refer to page 48 for IC Block Diagrams.

[VIDEO BOARD]

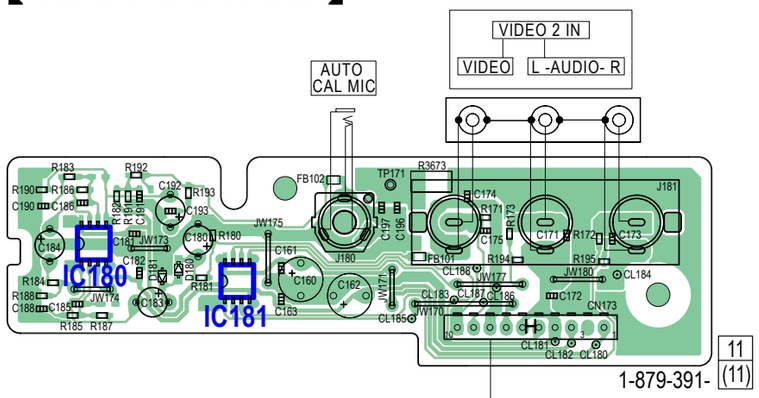


5-16. PRINTED WIRING BOARD — VIDEO 2 BOARD —

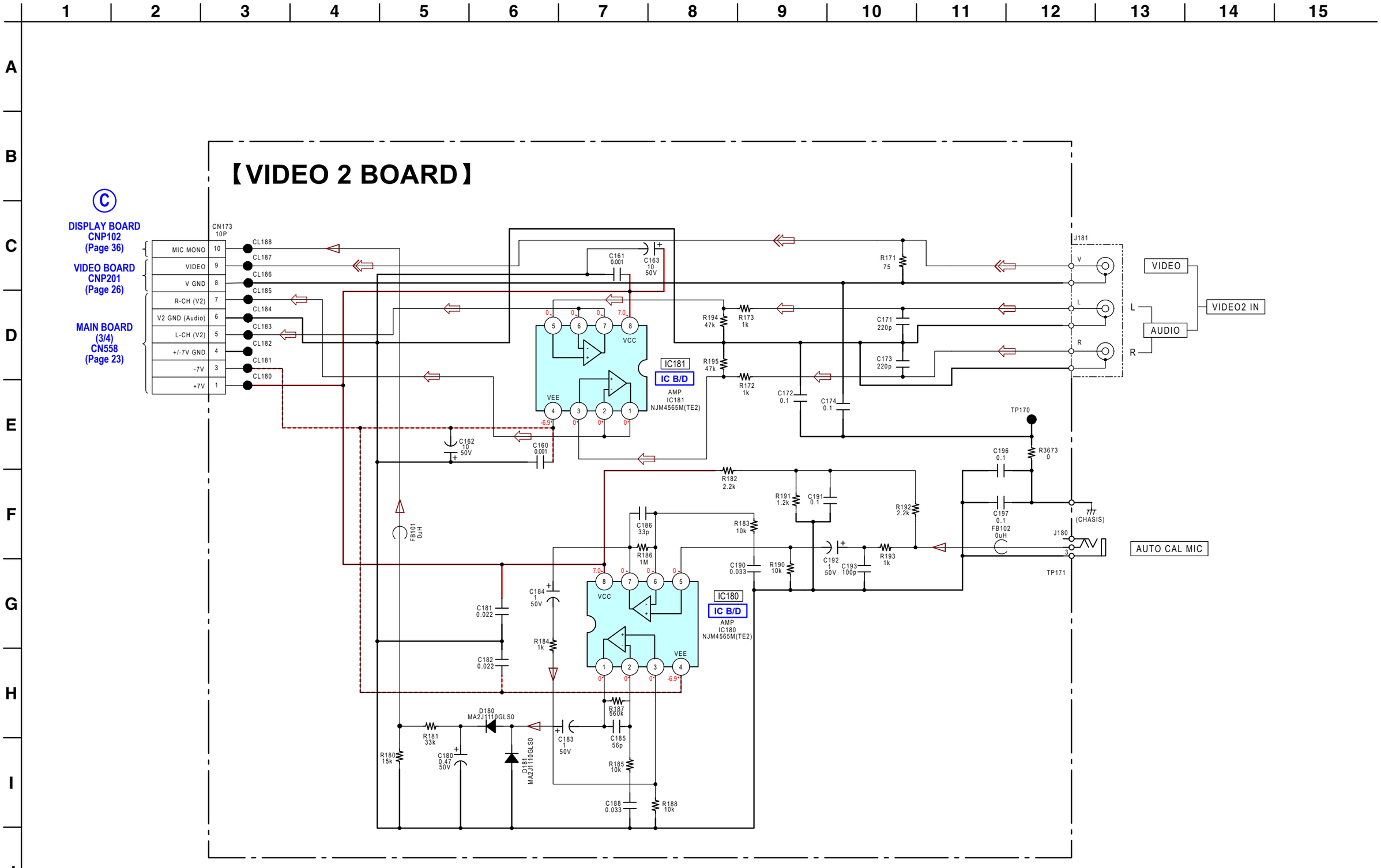
• Refer to page 10 for Circuit Boards Location.

: Uses unleaded solder.

【VIDEO 2 BOARD】

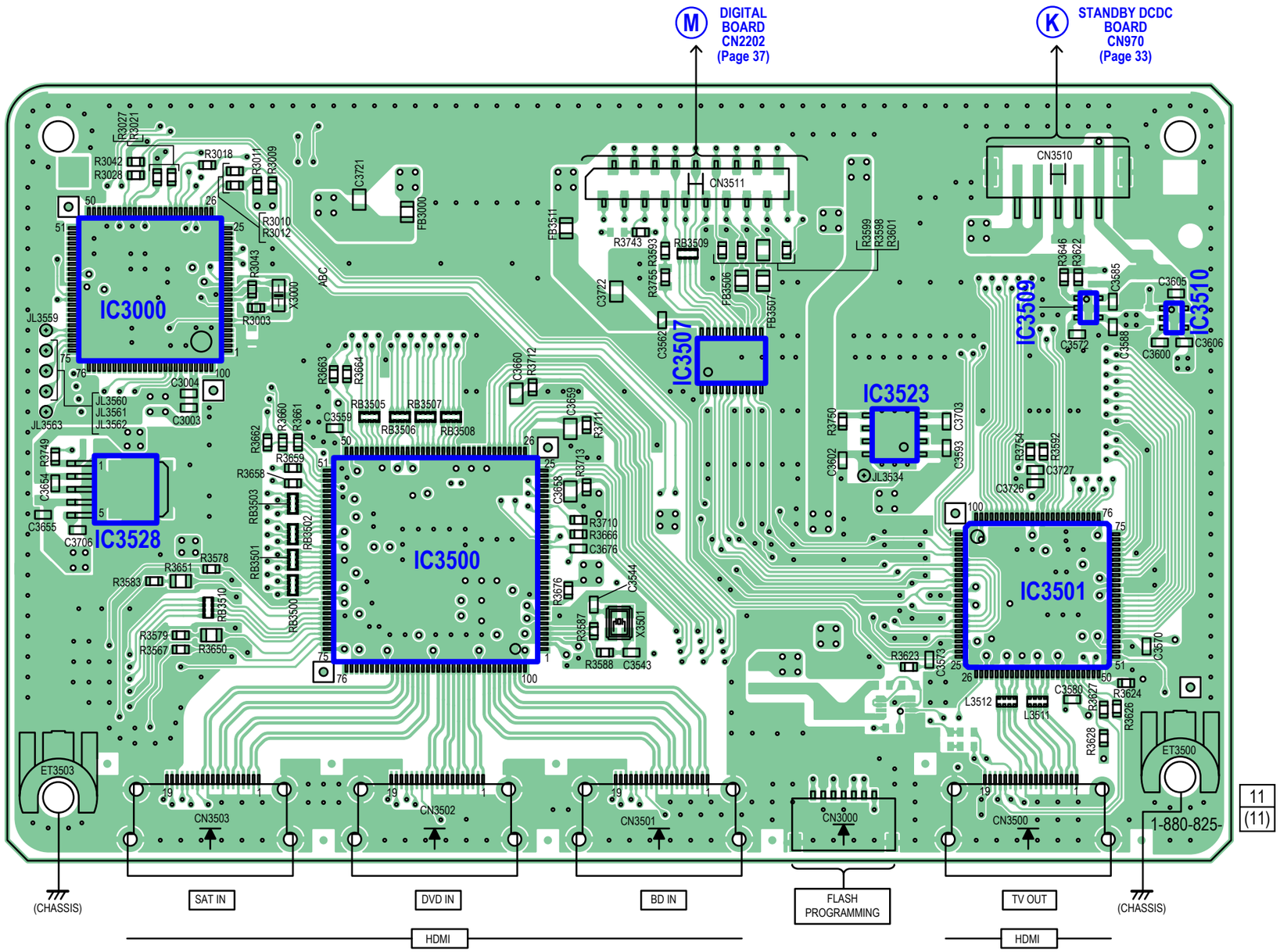


5-17. SCHEMATIC DIAGRAM — VIDEO 2 BOARD — • Refer to page 48 for IC Block Diagrams.



5-18. PRINTED WIRING BOARD — HDMI PC BOARD (1/2) — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.

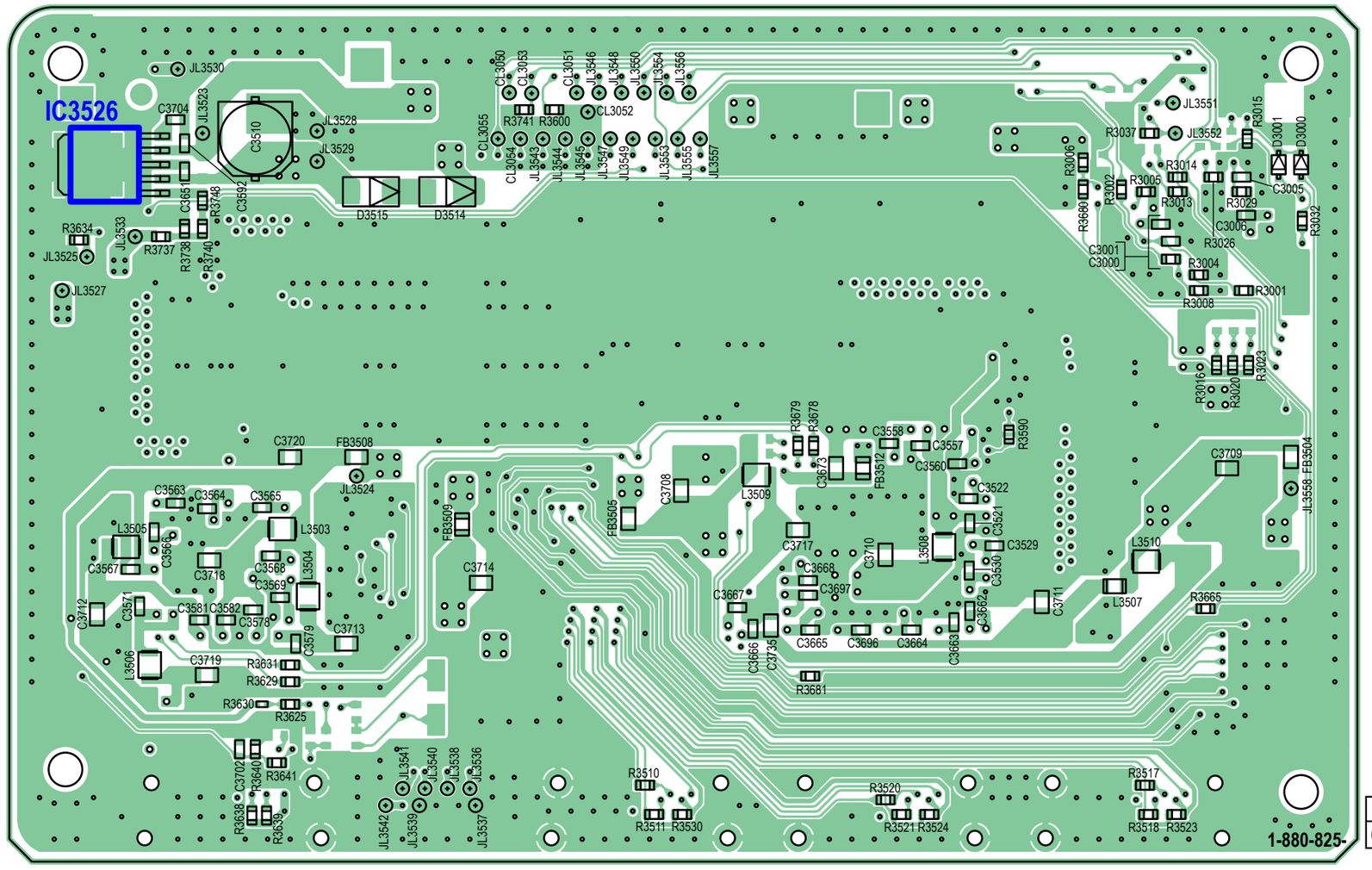
【HDMI PC BOARD】 (SIDE A)



Note: IC3500 and IC3501 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-19. PRINTED WIRING BOARD — HDMI PC BOARD (2/2) — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.

【HDMI PC BOARD】 (SIDE B)



11
(11)

5-20. SCHEMATIC DIAGRAM — HDMI PC BOARD (1/2) —

• Refer to page 19 for Waveform

【HDMI PC BOARD】(1/2)

IC3500
SII9233ACTU
IC3500
HDMI RECEIVER

SAT IN
HDMI DVD IN
BD IN

CN3503 19P
CN3502 19P
CN3501 19P

HOT PLUG DET
+5V POWER
DDC/CEC GND
SDA(5V)
SCL(5V)
RESERVE(NC)
CEC
CLOCK-
CLOCK SHIELD
CLOCK+
DATA0-
DATA0 SHIELD
DATA0+
DATA1-
DATA1 SHIELD
DATA1+
DATA2-
DATA2 SHIELD
DATA2+

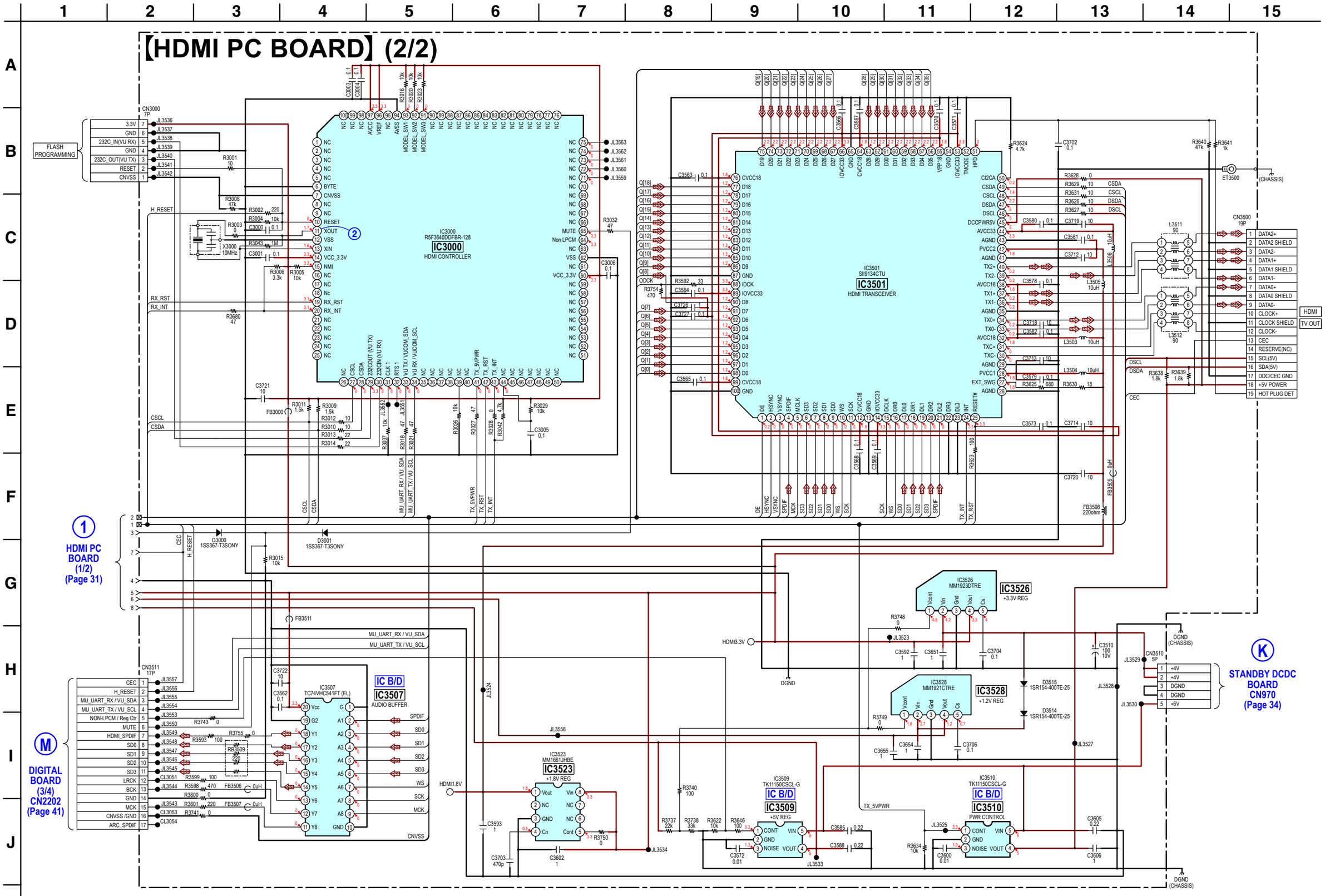
ET3503 (CHASSIS)

CSDA
CSCL
RX_INT
RX_RST

HDMI PC BOARD (2/2) (Page 32)

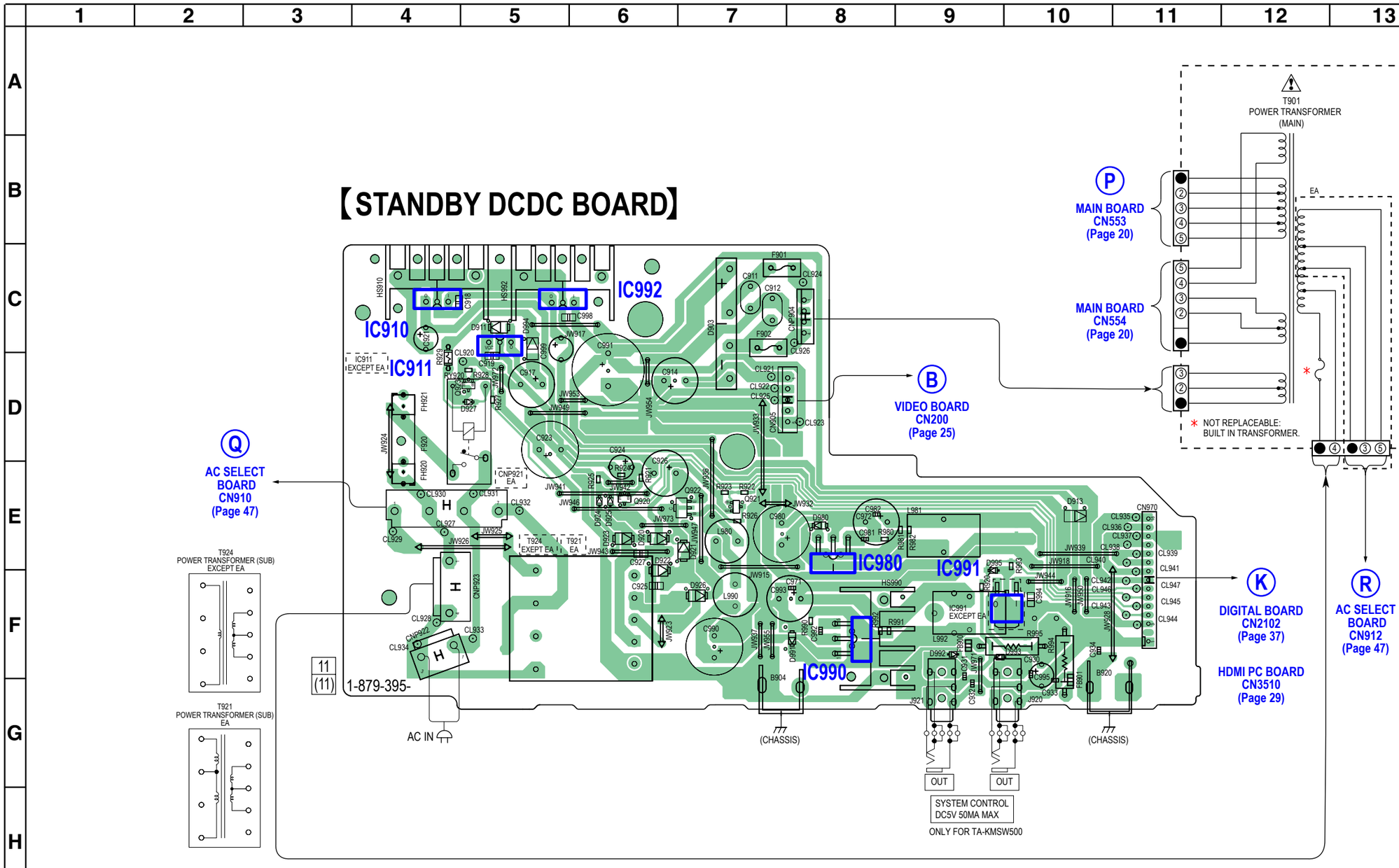
Note: IC3500 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-21. SCHEMATIC DIAGRAM — HDMI PC BOARD (2/2) — • Refer to page 19 for Waveform • Refer to page 48 for IC Block Diagrams.

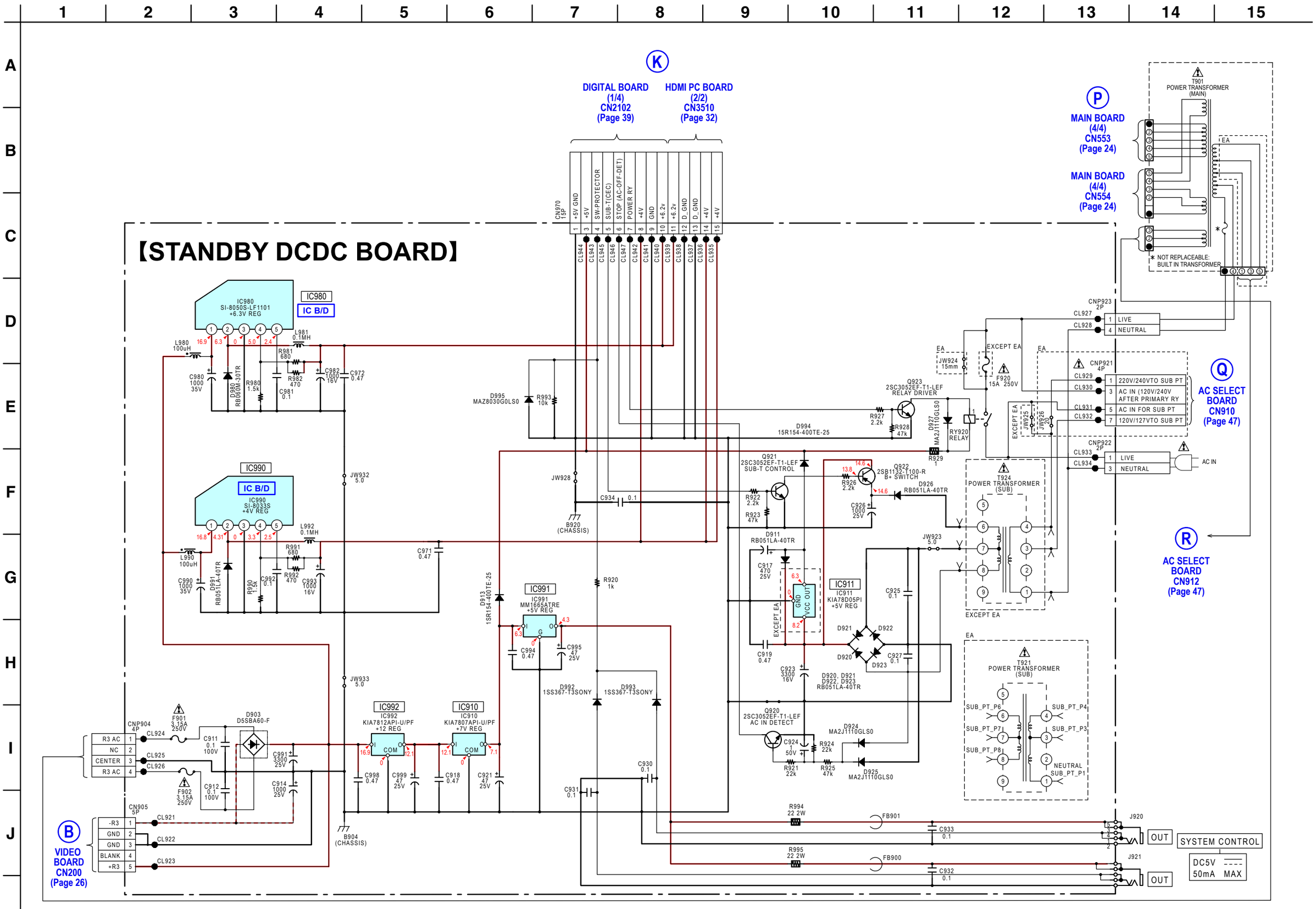


Note: IC3501 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-22. PRINTED WIRING BOARD — STANDBY DCDC BOARD — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.

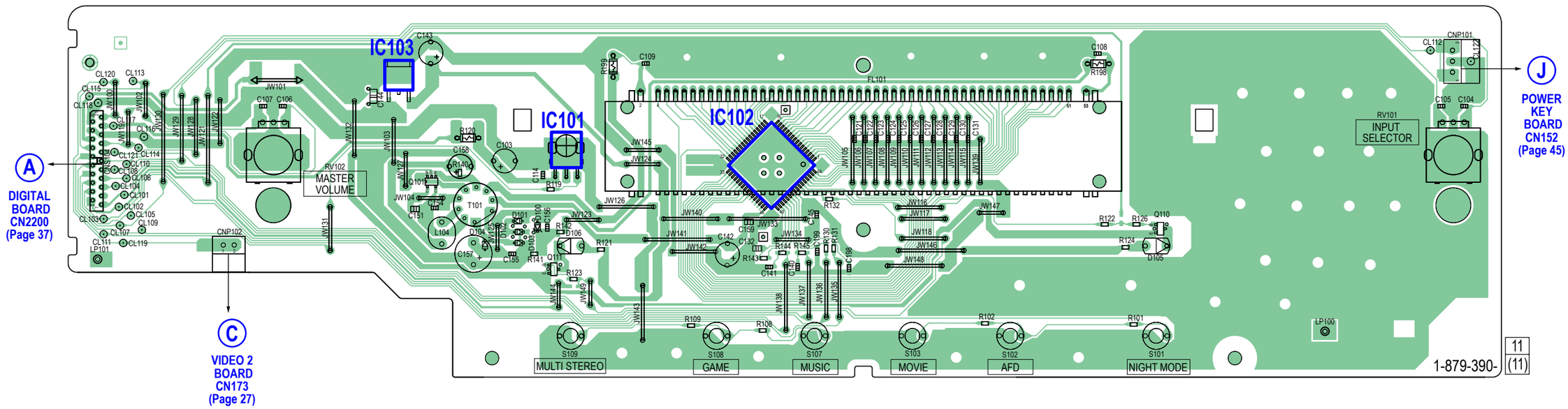


5-23. SCHEMATIC DIAGRAM — STANDBY DCDC BOARD — • Refer to page 48 for IC Block Diagrams.

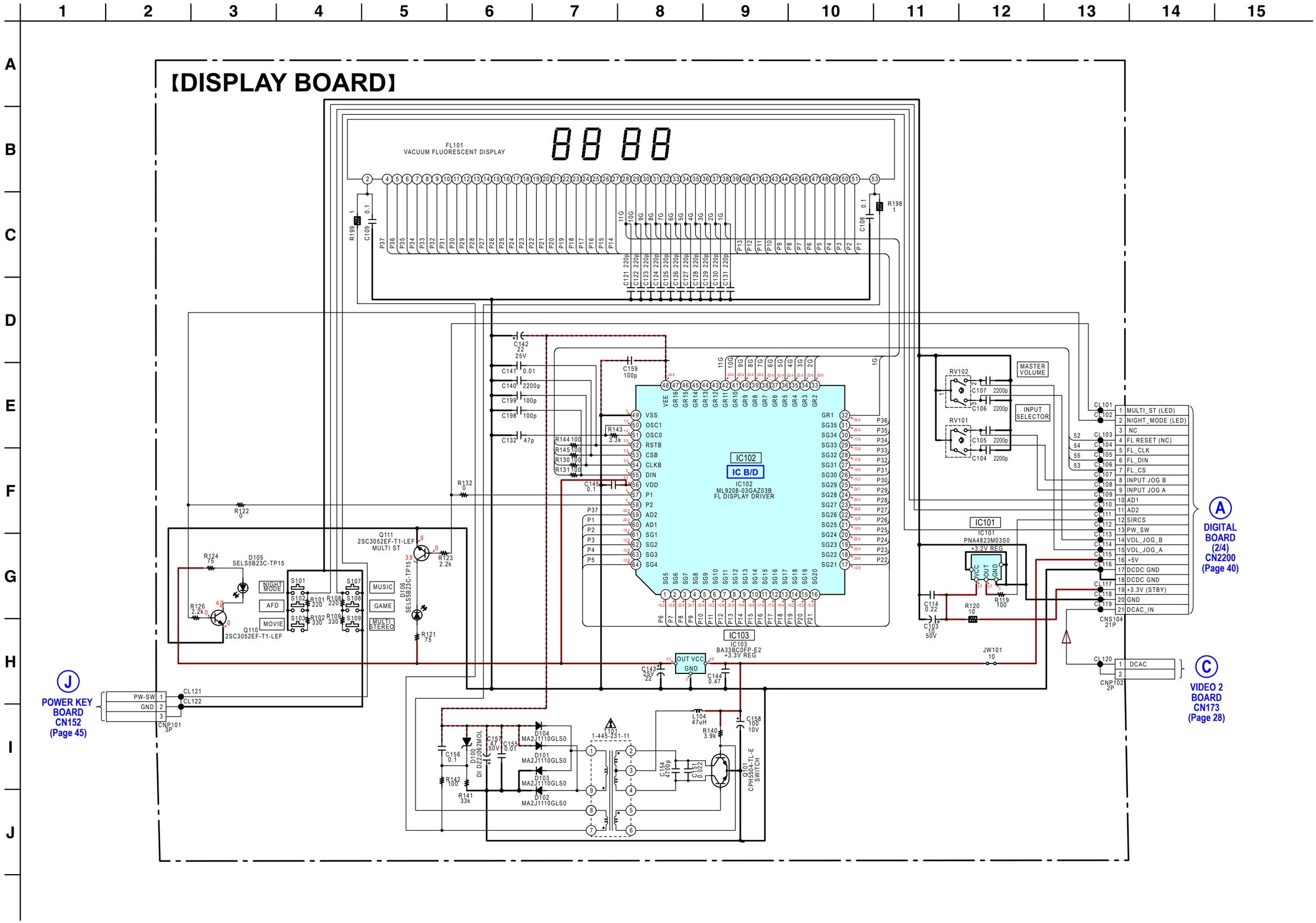


5-24. PRINTED WIRING BOARD — DISPLAY BOARD — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.

【DISPLAY BOARD】

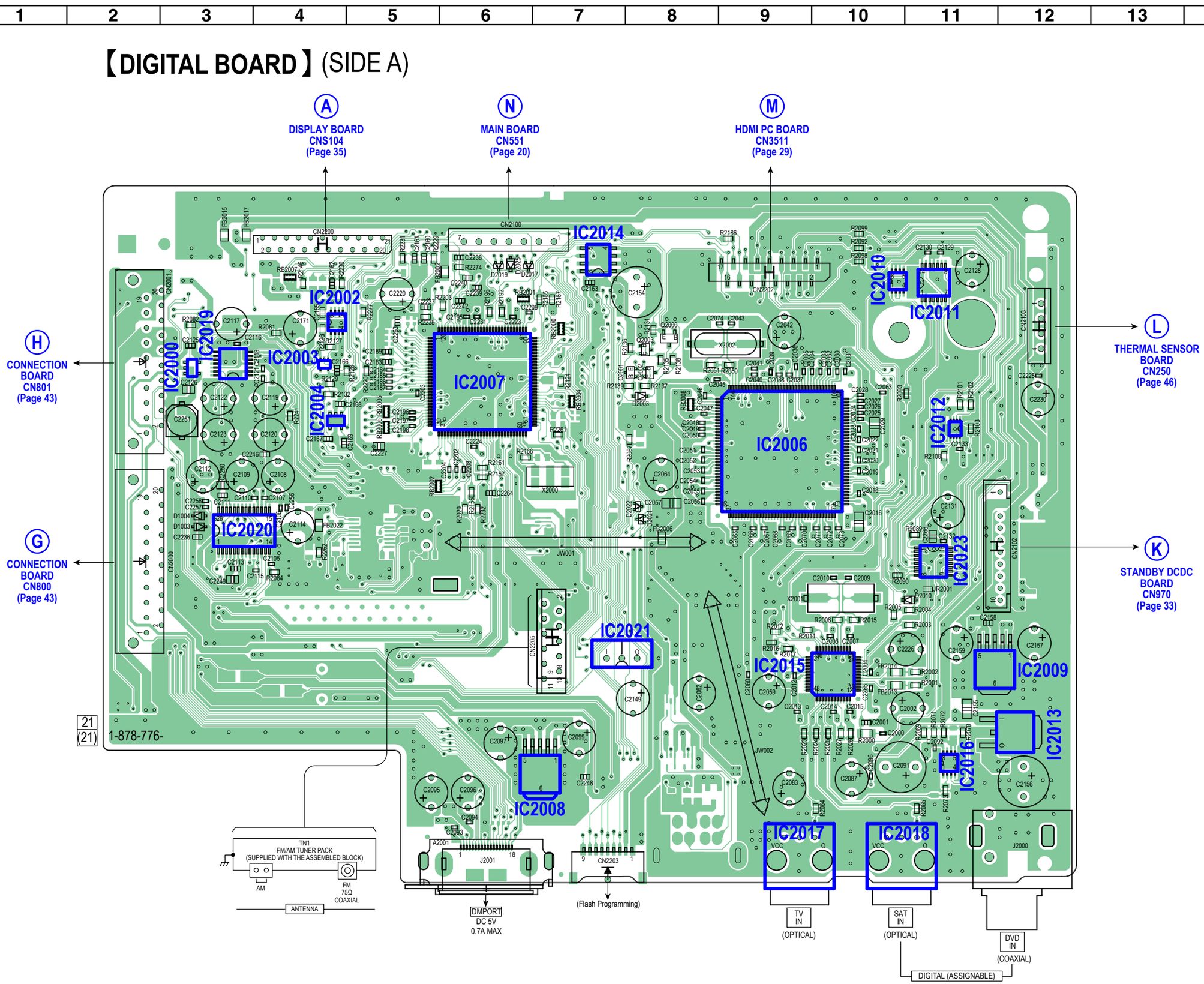


5-25. SCHEMATIC DIAGRAM — DISPLAY BOARD — • Refer to page 48 for IC Block Diagrams.



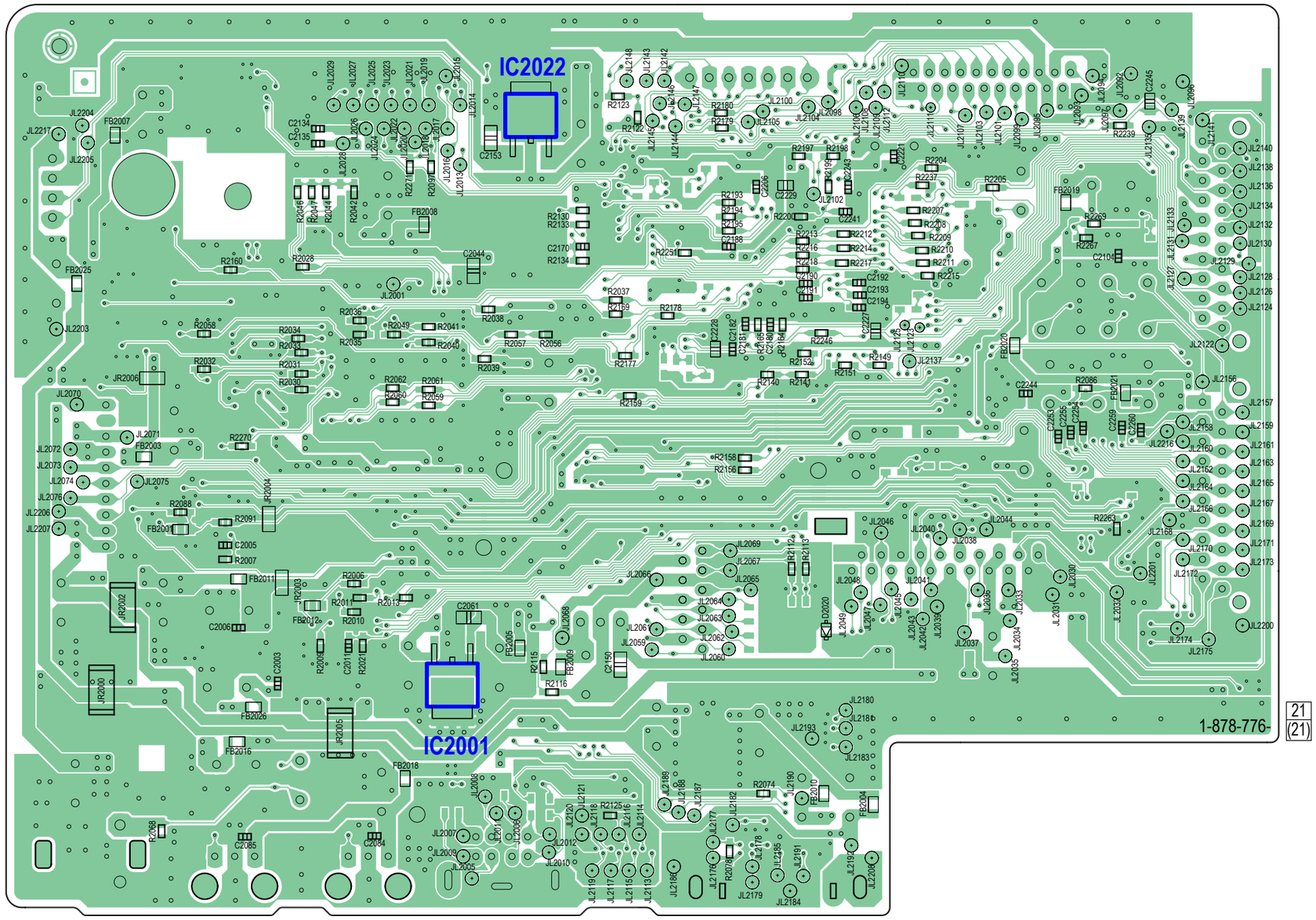
5-26. PRINTED WIRING BOARD — DIGITAL BOARD (1/2) — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.

【DIGITAL BOARD】(SIDE A)



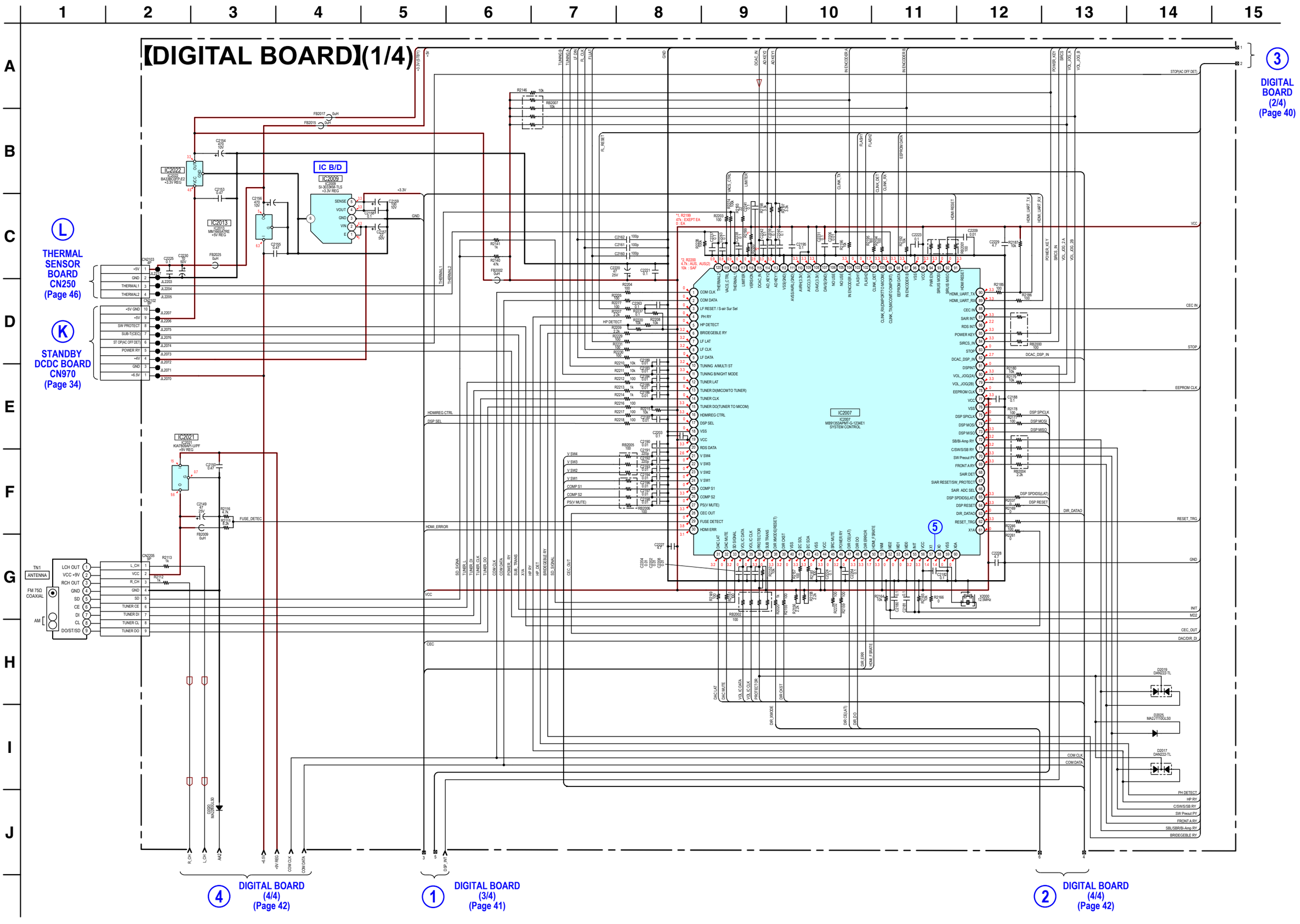
5-27. PRINTED WIRING BOARD — DIGITAL BOARD (2/2) — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.

【DIGITAL BOARD】(SIDE B)

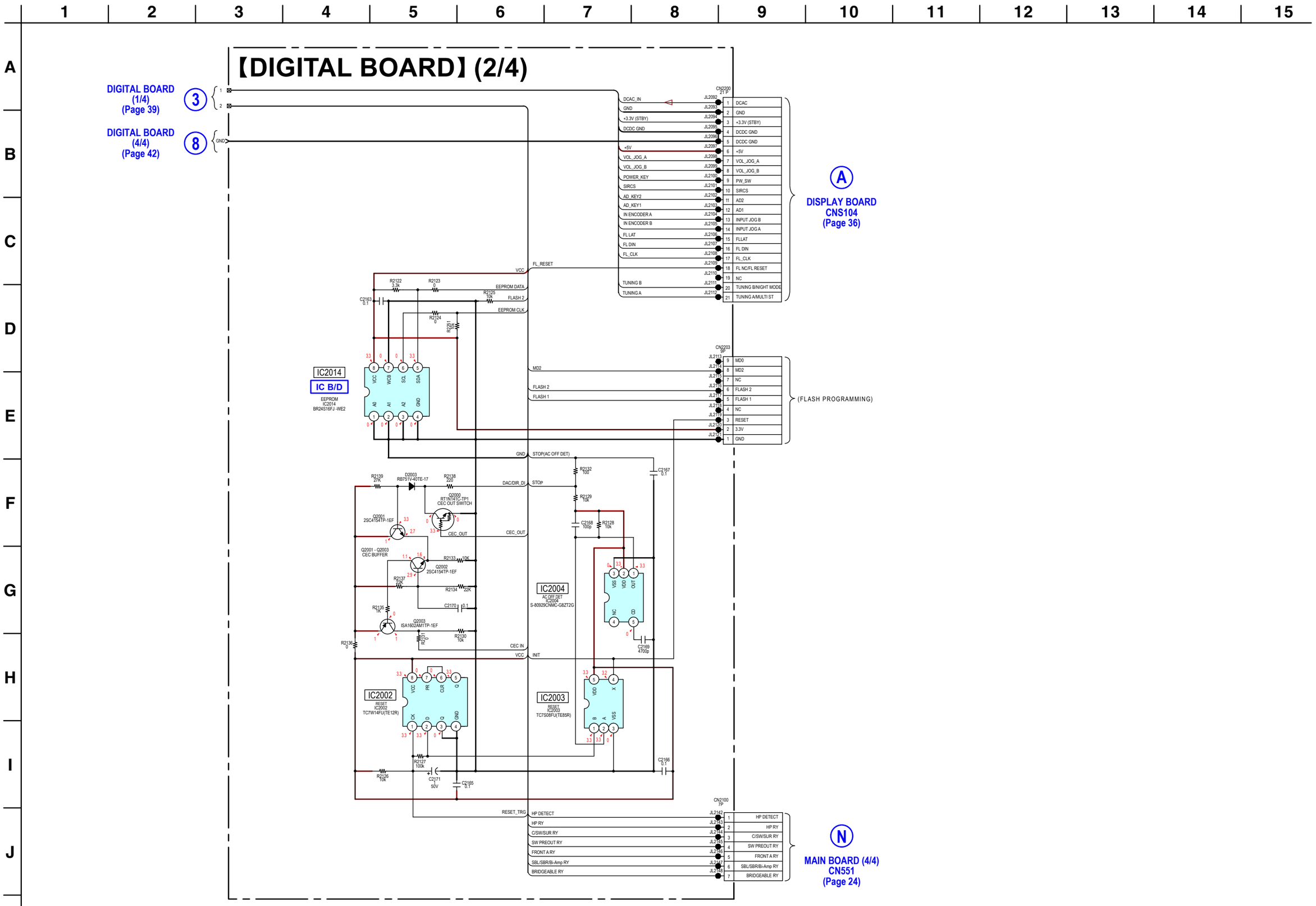


5-28. SCHEMATIC DIAGRAM — DIGITAL BOARD (1/4) — • Refer to page 19 for Waveform • Refer to page 48 for IC Block Diagrams. • Refer to page 53 for IC Pin Function Descriptions

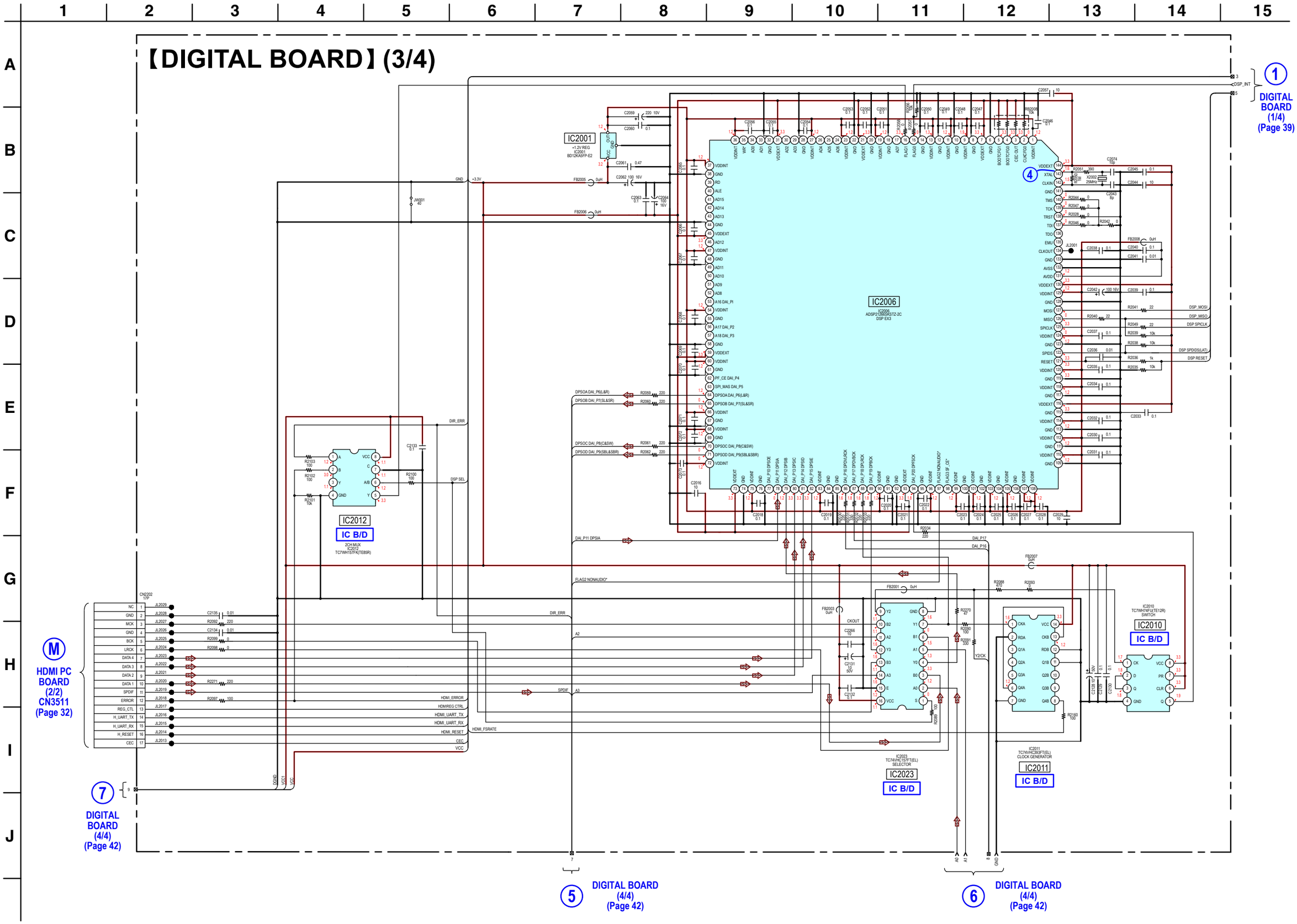
[DIGITAL BOARD](1/4)



5-29. SCHEMATIC DIAGRAM — DIGITAL BOARD (2/4) — • Refer to page 48 for IC Block Diagrams.



5-30. SCHEMATIC DIAGRAM — DIGITAL BOARD (3/4) — • Refer to page 19 for Waveform • Refer to page 48 for IC Block Diagrams. • Refer to page 53 for IC Pin Function Descriptions



5-31. SCHEMATIC DIAGRAM — DIGITAL BOARD (4/4) —

• Refer to page 19 for Waveform • Refer to page 48 for IC Block Diagrams.

【DIGITAL BOARD】(4/4)

8 DIGITAL BOARD (2/4) (Page 40)
7 DIGITAL BOARD (3/4) (Page 41)
5 DIGITAL BOARD (3/4) (Page 41)
4 DIGITAL BOARD (1/4) (Page 39)
6 DIGITAL BOARD (3/4) (Page 41)
2 DIGITAL BOARD (1/4) (Page 39)
H CONNECTION BOARD CN801 (Page 44)
G CONNECTION BOARD CN800 (Page 44)

IC2015 IC B/D DIGITAL AUDIO I/F RECEIVER IC2015 LC89058W-E

IC2020 IC B/D 8CH DAC IC2020 WM8768GEDS/R

IC2000 +5V REG IC2000 TK11150CSCL-G

IC2008 +5V REG IC2008 SI-3050KM-TLS

IC2016 WAVE SHAPER IC2016 TC7WU04FU(TE12R)

IC2017 IC2017 TORX147L OPTICAL RECEVER

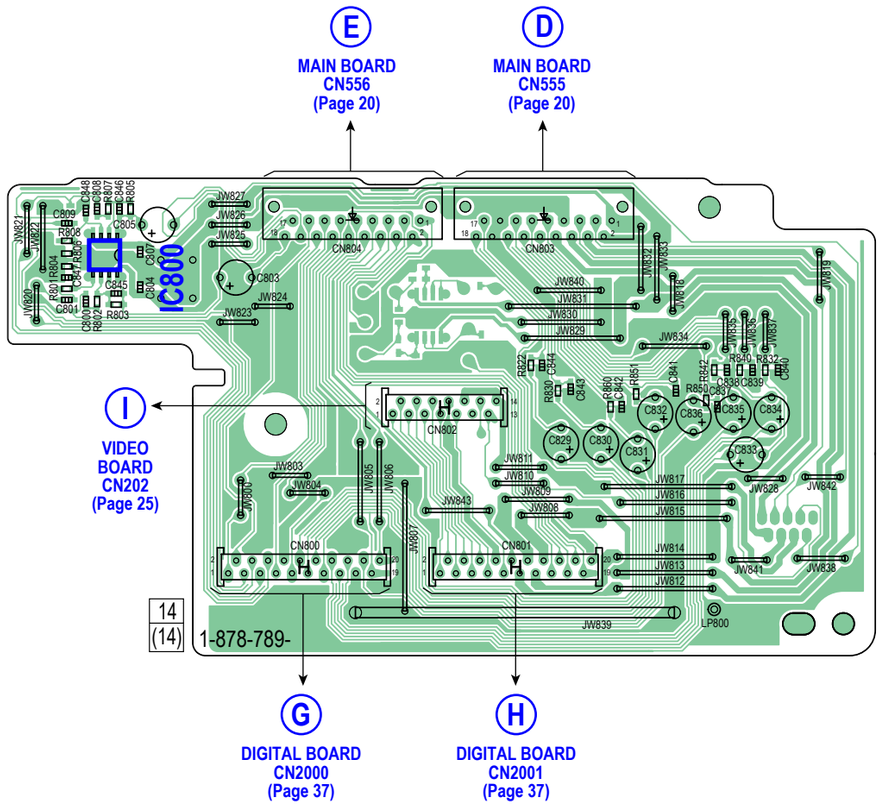
IC2018 IC2018 TORX147L OPTICAL RECEVER

IC2019 ADC IC2019 PCM1808PWR

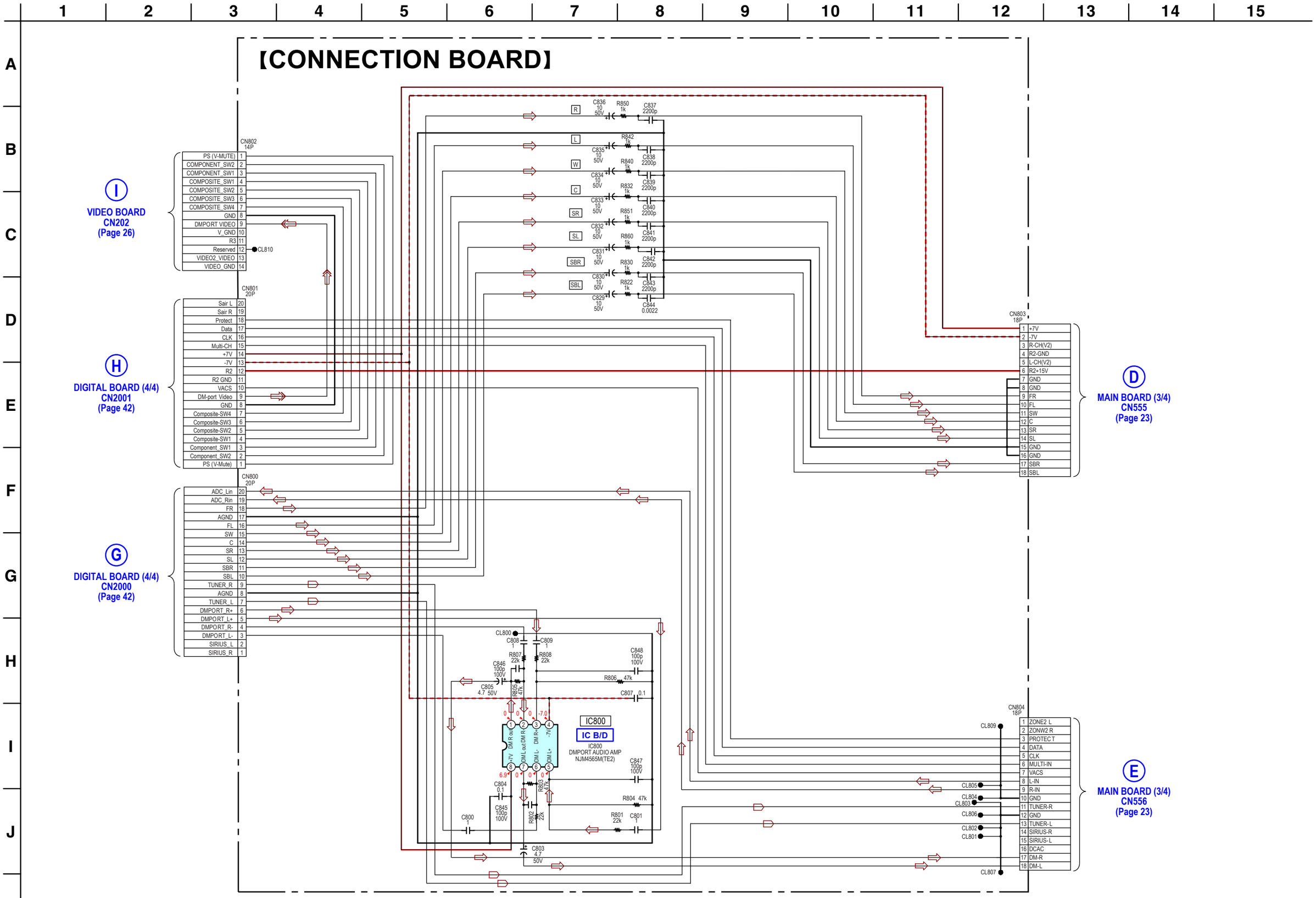
DMPORT DC 5V 0.7A MAX

5-32. PRINTED WIRING BOARD — CONNECTION BOARD — • Refer to page 10 for Circuit Boards Location. : Uses unleaded solder.

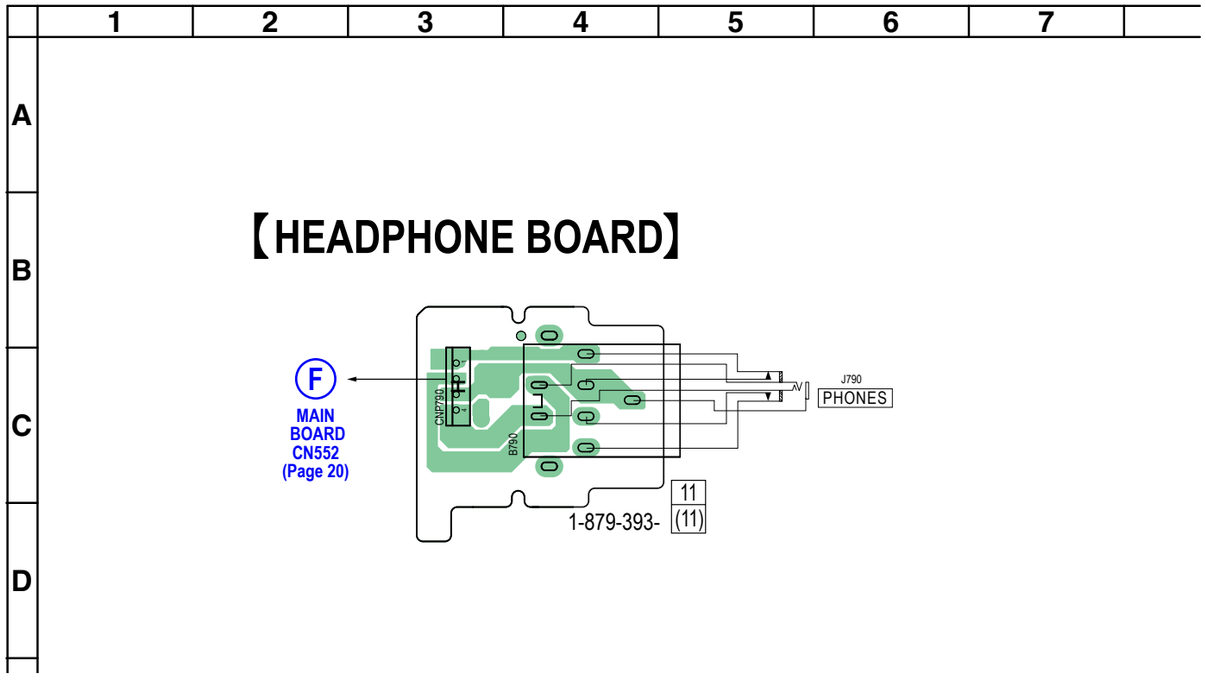
【CONNECTION BOARD】



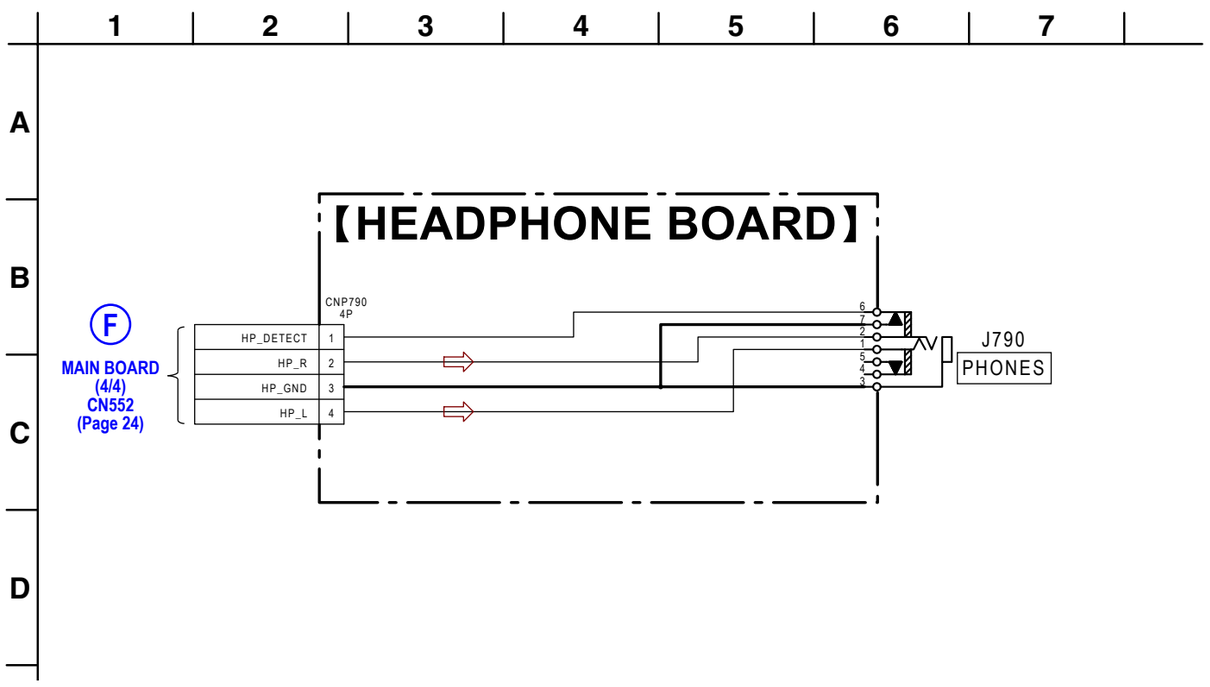
5-33. SCHEMATIC DIAGRAM — CONNECTION BOARD — • Refer to page 48 for IC Block Diagrams.



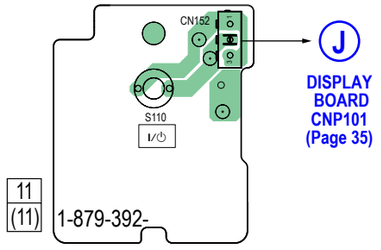
5-34. PRINTED WIRING BOARD — HEADPHONE BOARD — • Refer to page 10 for Circuit Boards Location.



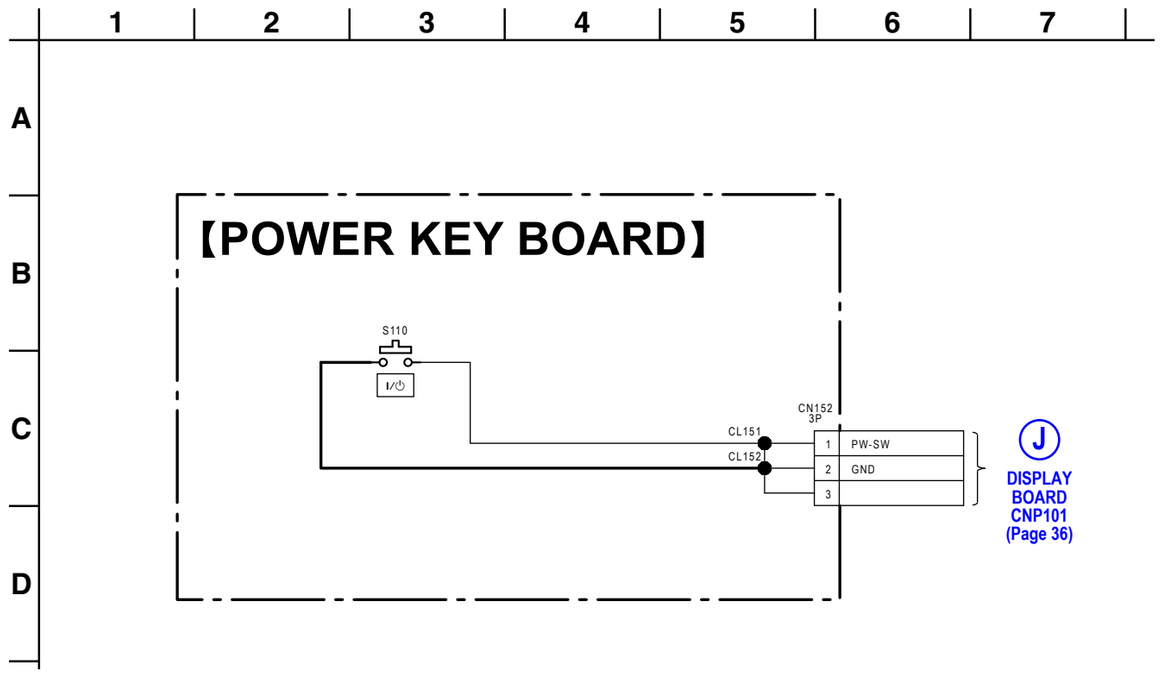
5-35. SCHEMATIC DIAGRAM — HEADPHONE BOARD —



5-36. PRINTED WIRING BOARD — POWER KEY BOARD — Refer to page 10 for Circuit Boards Location.

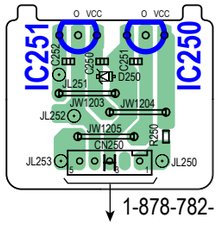


5-37. SCHEMATIC DIAGRAM — POWER KEY BOARD —



5-38. PRINTED WIRING BOARD — THERMAL SENSOR BOARD — • Refer to page 10 for Circuit Boards Location.

【THERMAL SENSOR BOARD】



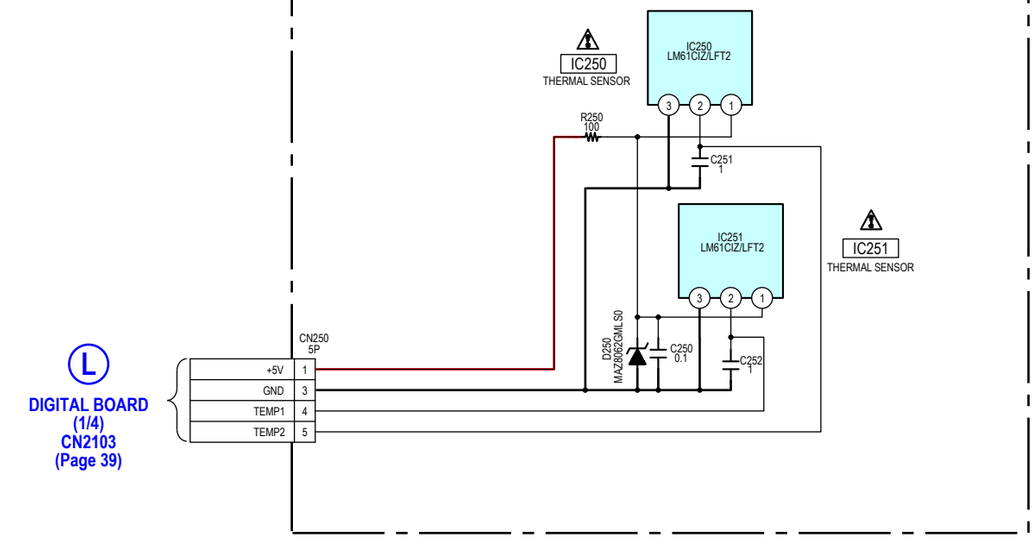
1-878-782- 14 (14)

L

DIGITAL BOARD
CN2103
(Page 37)

5-39. SCHEMATIC DIAGRAM — THERMAL SENSOR BOARD —

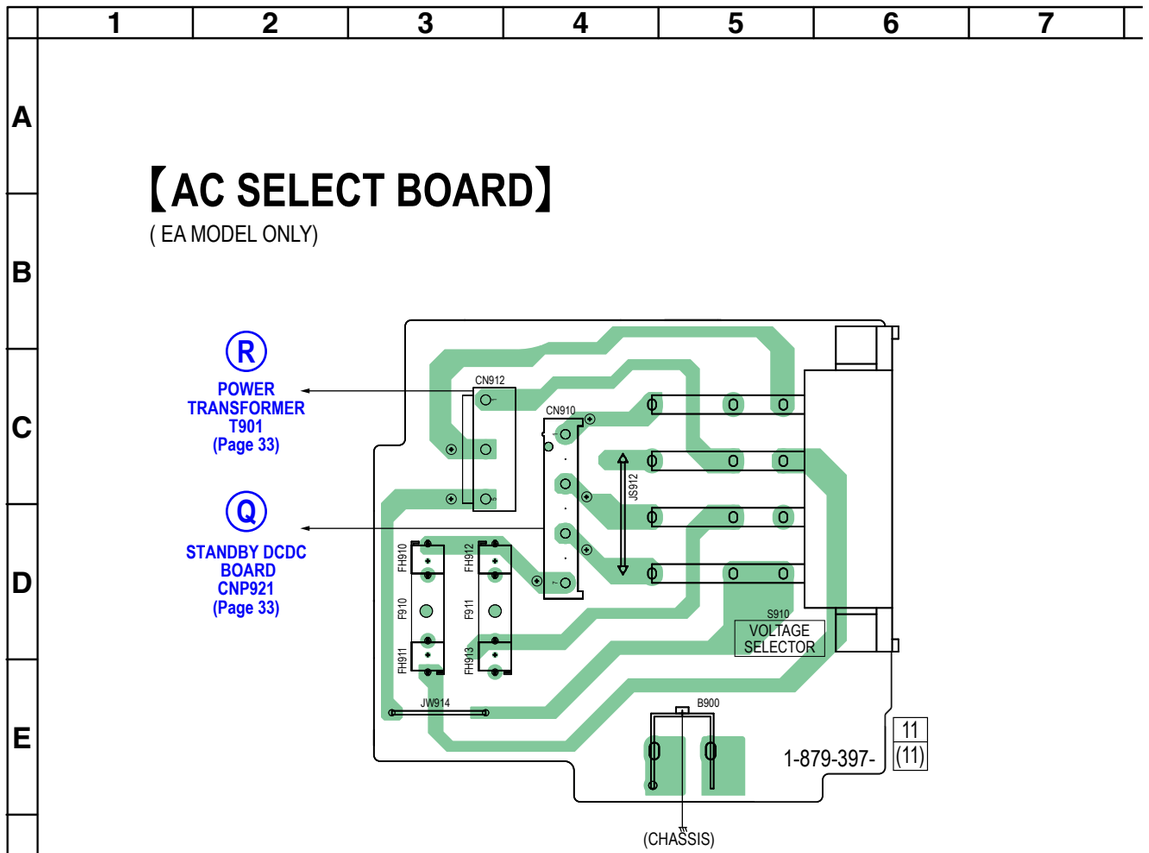
【THERMAL SENSOR BOARD】



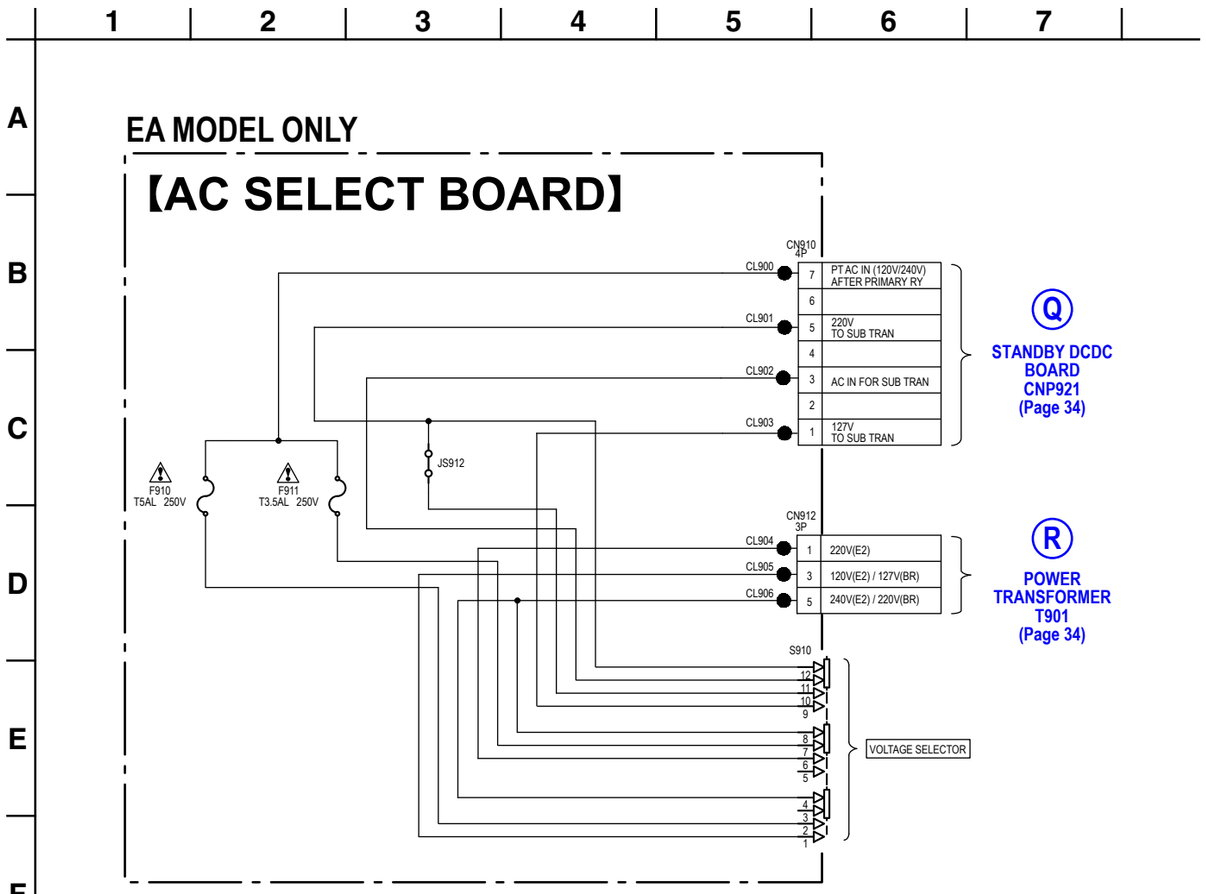
L

DIGITAL BOARD
(1/4)
CN2103
(Page 39)

5-40. PRINTED WIRING BOARD — AC SELECT BOARD — • Refer to page 10 for Circuit Boards Location.

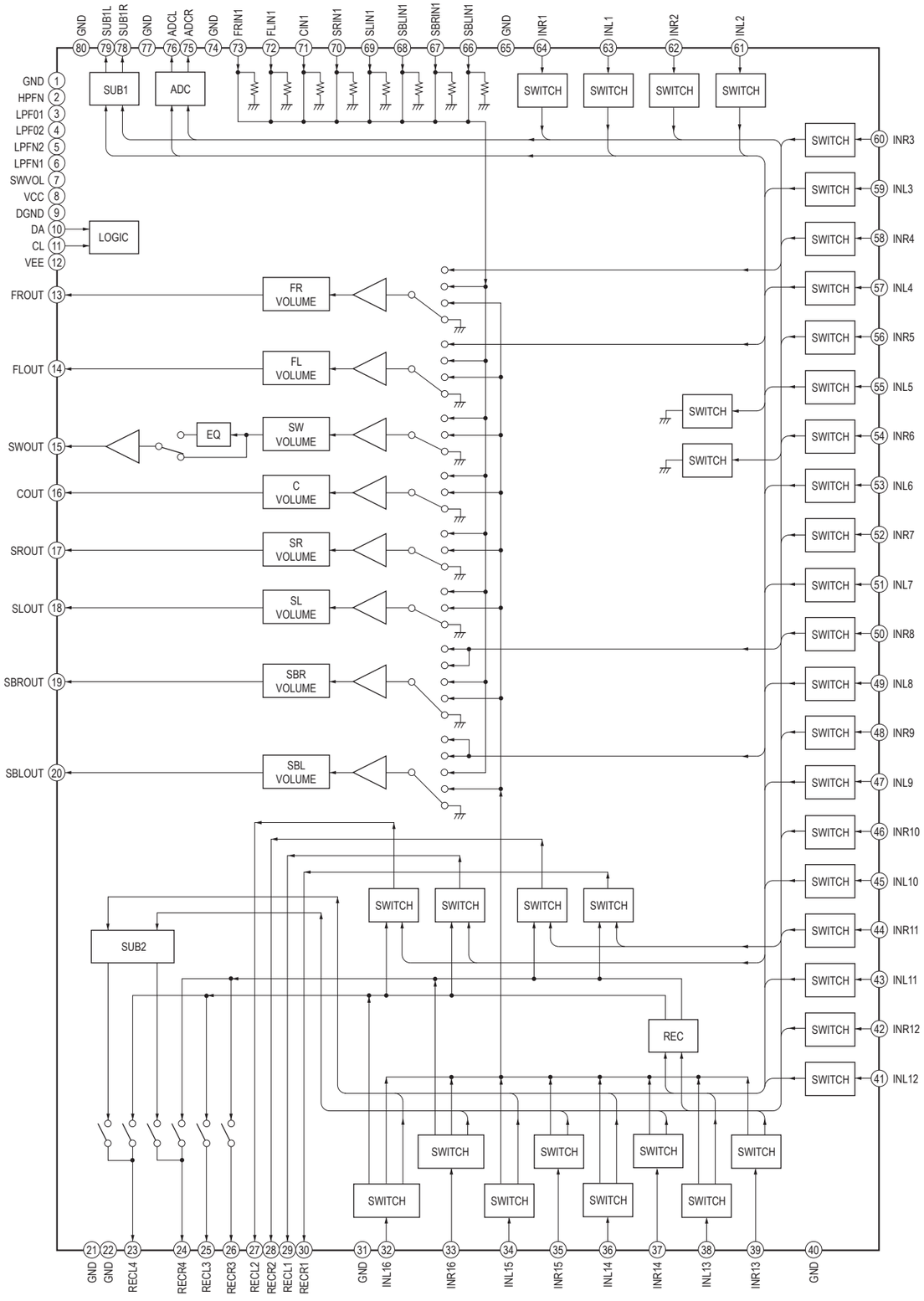


5-41 . SCHEMATIC DIAGRAM — AC SELECT BOARD —

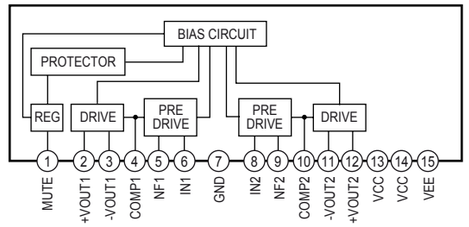


- **IC Block Diagrams**

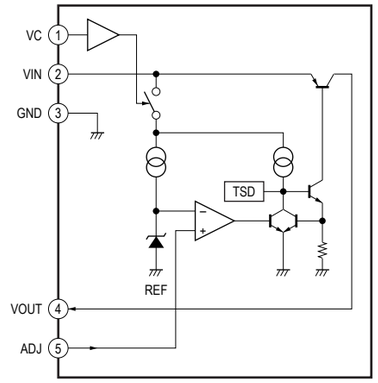
IC551 BD3470KS2 (MAIN BOARD)



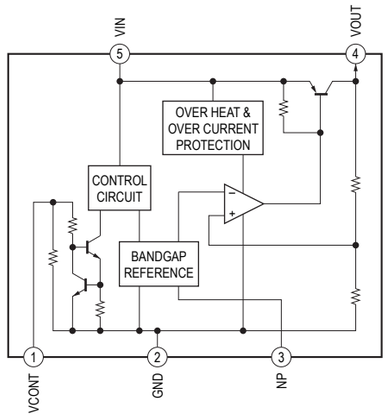
IC600, IC601, IC602, IC603
IC STK350-530T-E (MAIN BOARD)



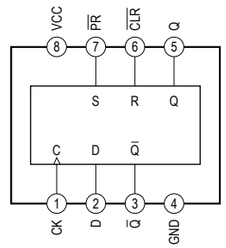
IC2008 SI-3050KM-TLS (DIGITAL BOARD)
IC2009 SI-3033KM-TLS (DIGITAL BOARD)



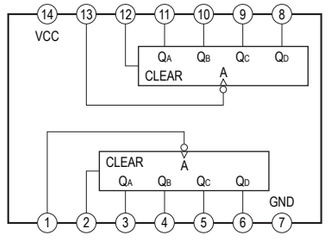
IC2000 TK11150CSCL-G (DIGITAL BOARD)
IC3509, IC3510
TK11150CSCL-G (HDMI PC BOARD)



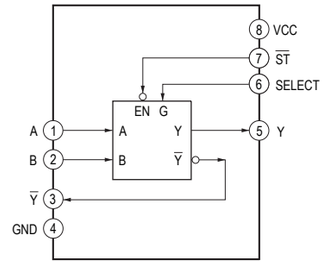
IC2010 TC74WH74FU (TE12R) (DIGITAL BOARD)



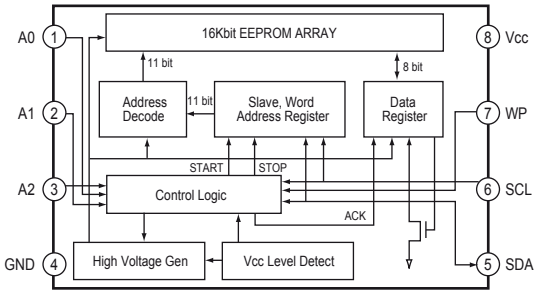
IC2011 TC74VHC393FT (EL) (DIGITAL BOARD)



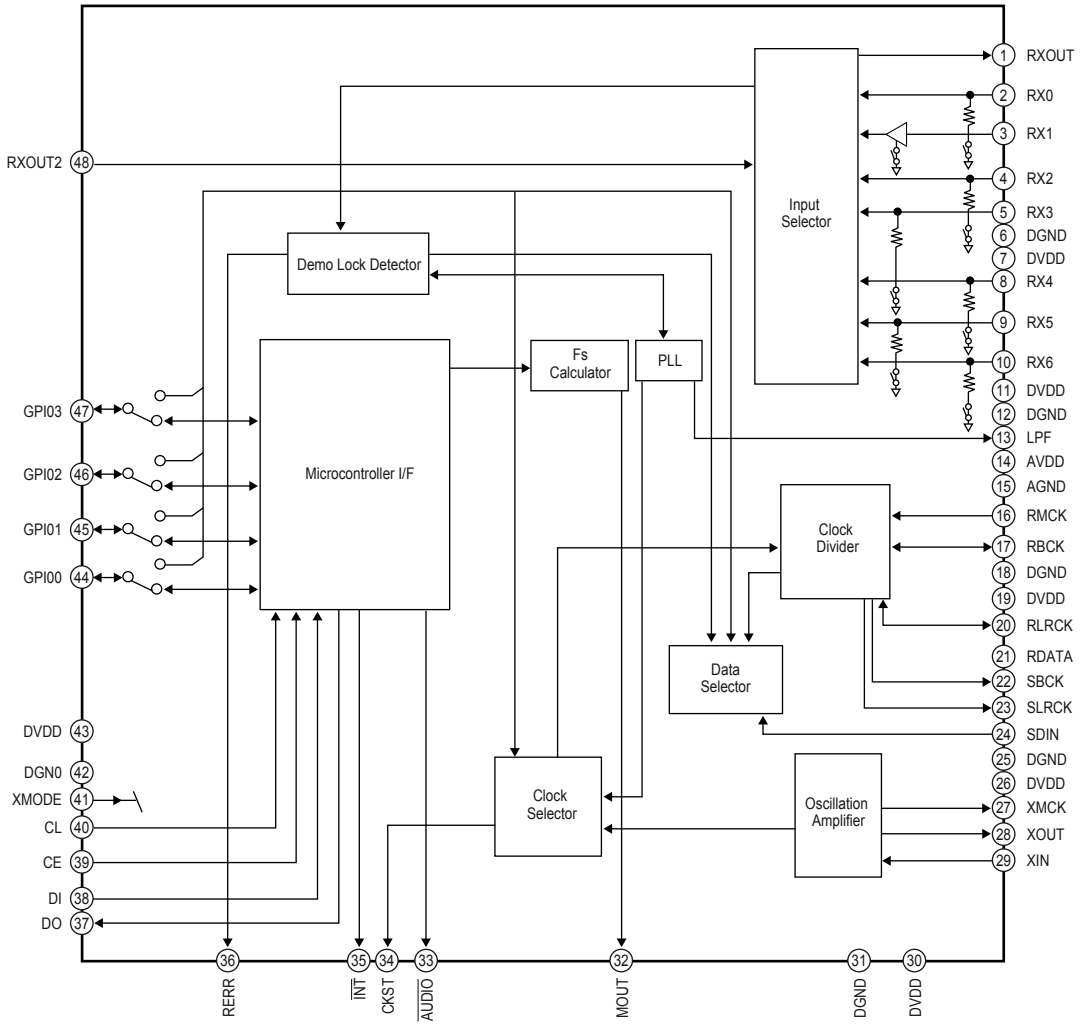
IC2012 TC7WH157FK (TE85R) (DIGITAL BOARD)



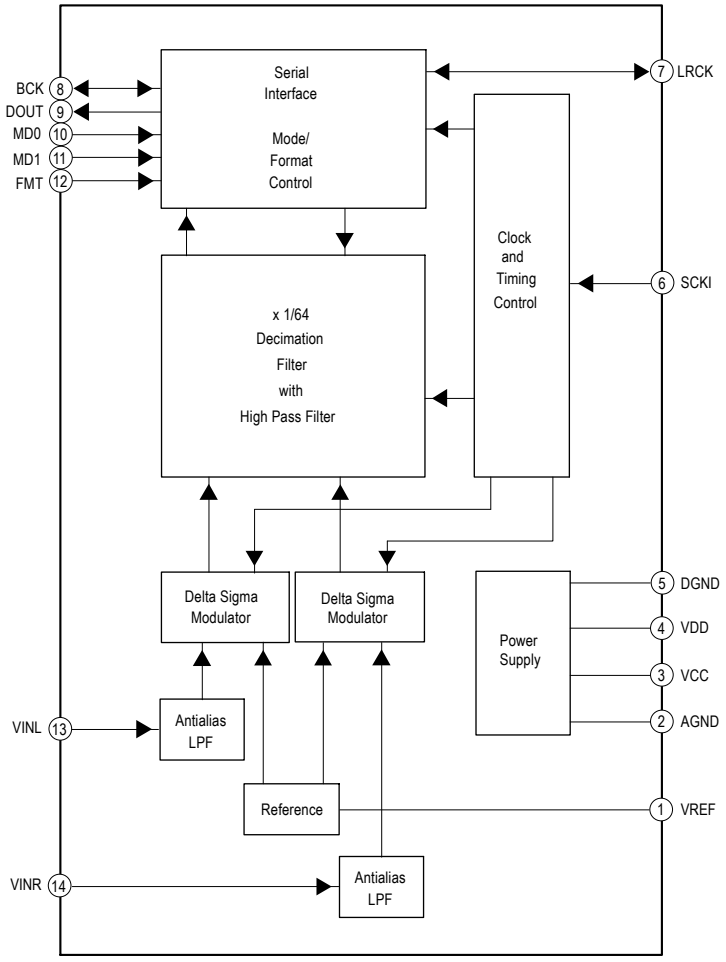
IC2014 IC BR24S16FJ-WE2 (DIGITAL BOARD)



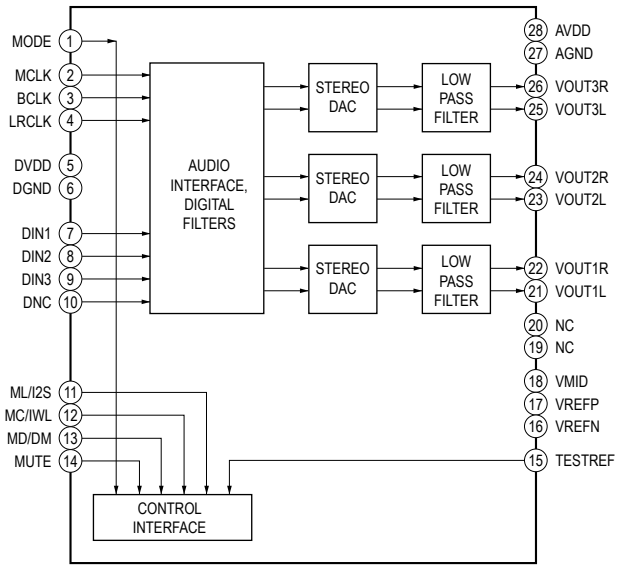
IC2015 IC LC89058W-E (DIGITAL BOARD)



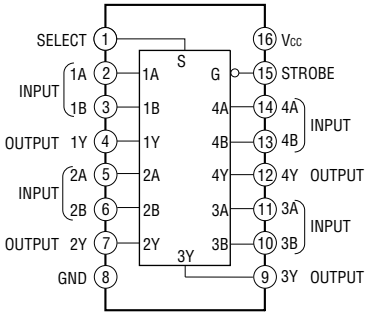
IC2019 PCM1808PWR (DIGITAL BOARD)



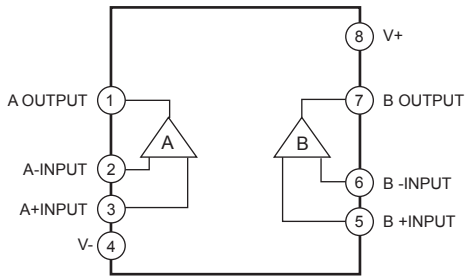
IC2020 WM8768GEDS/R (DIGITAL BOARD)



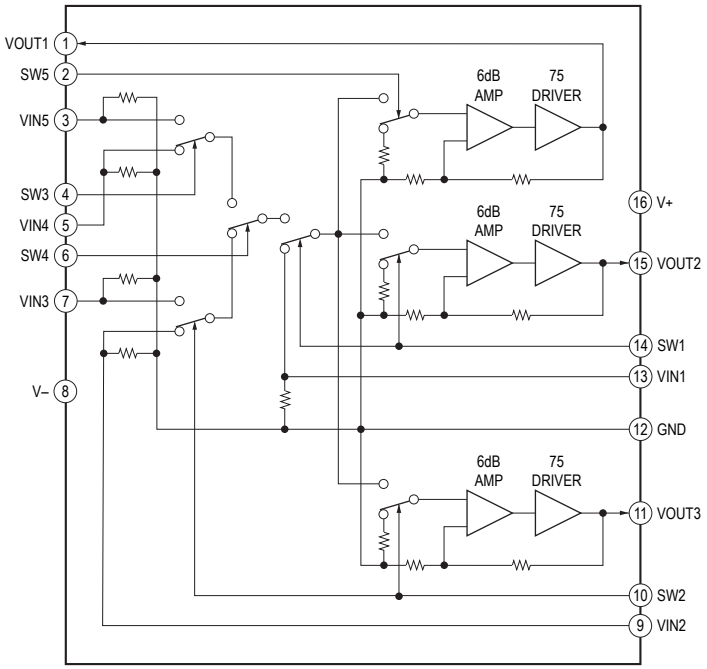
IC2023 IC TC74VHC157FT (EL) (DIGITAL BOARD)



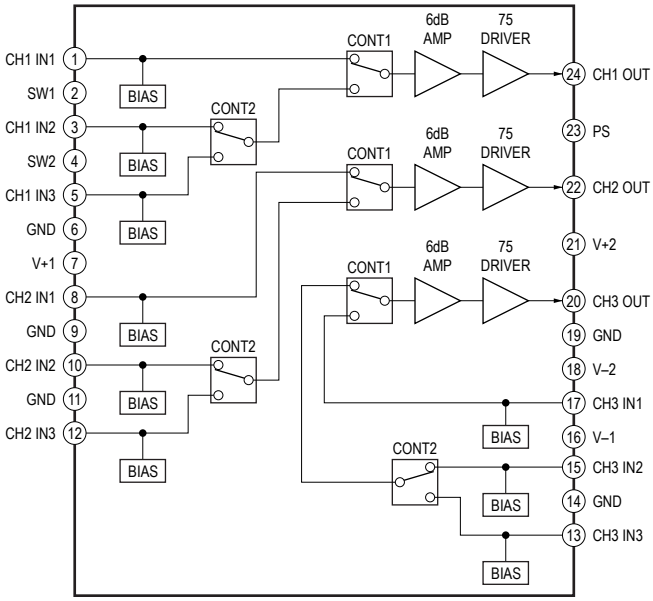
IC180, IC181
IC NJM4565M-D (VIDEO 2 BOARD)
IC800
IC NJM4565M-D (CONNECTION BOARD)



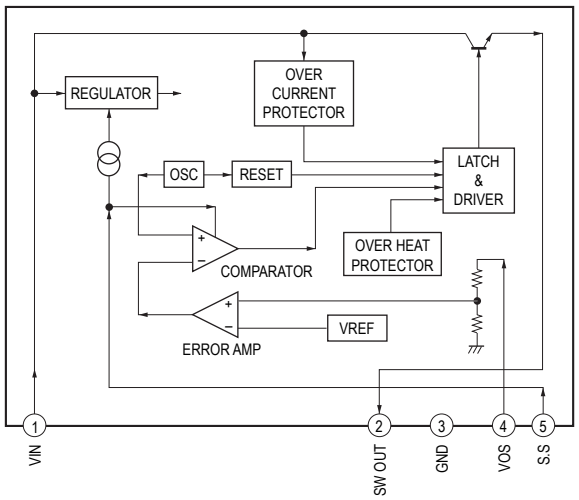
IC210 NJM2595M-TE2 (VIDEO BOARD)



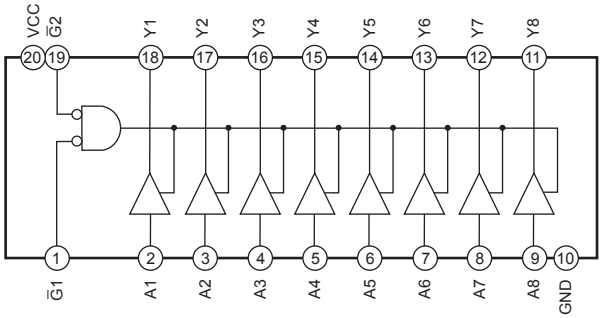
IC220 NJM2586AM (VIDEO BOARD)



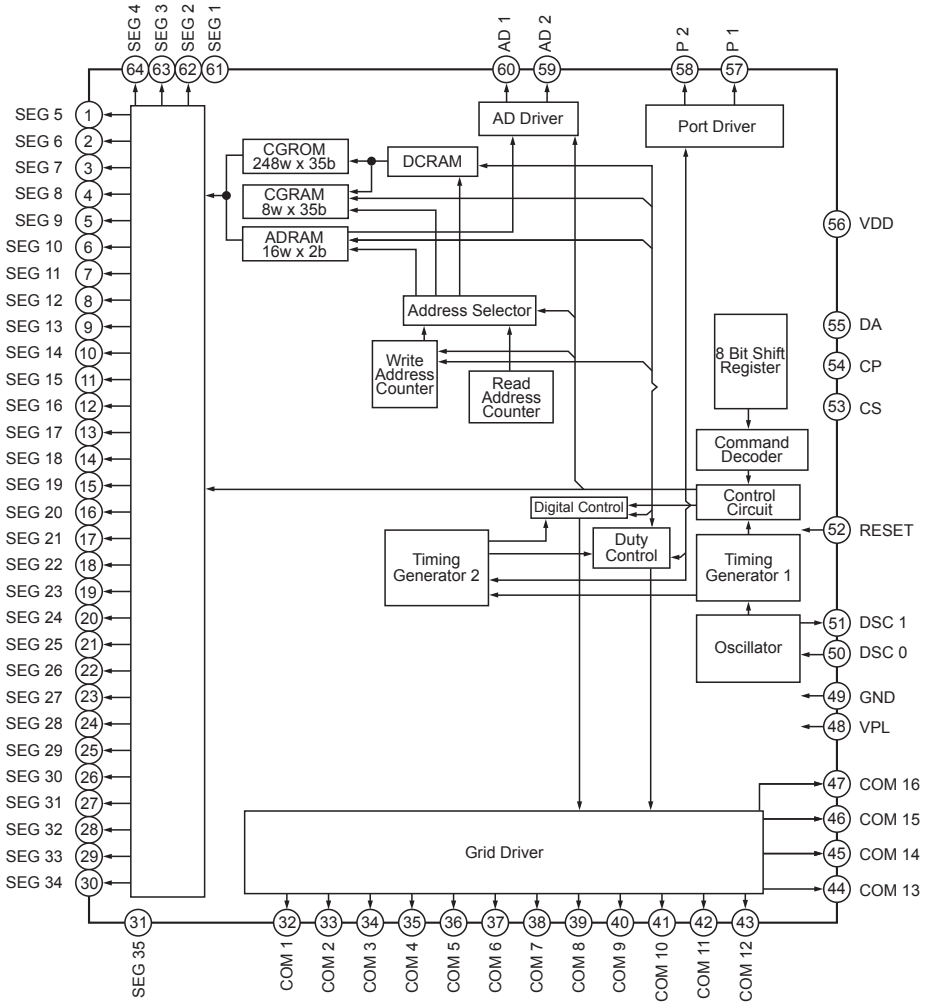
IC980 SI-8050S-LF1101 (STANDBY DCDC BOARD)
IC990 SI-8033S (STANDBY DCDC BOARD)



IC3507 IC TC74VHC541FT (EL) (HDMI PC BOARD)



IC102 IC ML9208-03GAZ03B (DISPLAY BOARD)



• **IC Pin Function Description**

DIGITAL BOARD (3/4) IC2006 ADSP21266SKSTZ-2C (DSP)

Pin No.	Pin Name	I/O	Description
1	VDDINT	-	Power supply terminal (+1.2V)
2, 3	CLKCFG0, CLKCFG1	I	Clock frequency setting terminal
4, 5	BOOTCFG0, BOOTCFG1	I	Boot mode setting terminal for DSP
6	GND	-	Ground terminal
7	VDDEXT	-	Power supply terminal (+3.3V)
8	GND	-	Ground terminal
9	VDDINT	-	Power supply terminal (+1.2V)
10	GND	-	Ground terminal
11	VDDINT	-	Power supply terminal (+1.2V)
12	GND	-	Ground terminal
13	VDDINT	-	Power supply terminal (+1.2V)
14	GND	-	Ground terminal
15	FRAG0	O	Interrupt status output to the system controller
16	FRAG1	I	PLL lock error signal and data error flag input terminal
17	AD7	I/O	Two-way data bus and address signal output with S-RAM Not used
18	GND	-	Ground terminal
19	VDDINT	-	Power supply terminal (+1.2V)
20	GND	-	Ground terminal
21	VDDEXT	-	Power supply terminal (+3.3V)
22	GND	-	Ground terminal
23	VDDINT	-	Power supply terminal (+1.2V)
24 to 26	AD6 to AD4	I/O	Two-way data bus and address signal output with S-RAM Not used
27	VDDINT	-	Power supply terminal (+1.2V)
28	GND	-	Ground terminal
29, 30	AD3, AD2	I/O	Two-way data bus and address signal output with S-RAM Not used
31	VDDEXT	-	Power supply terminal (+3.3V)
32	GND	-	Ground terminal
33, 34	AD1, AD0	I/O	Two-way data bus and address signal output with S-RAM Not used
35	XWR	O	Data write enable signal output to the S-RAM "L": active Not used
36, 37	VDDINT	-	Power supply terminal (+1.2V)
38	GND	-	Ground terminal
39	XRD	O	Read strobe signal output to the S-RAM "L": active Not used
40	ALE	O	Address latch enable signal output terminal Not used
41 to 43	AD15 to AD13	I/O	Two-way data bus and address signal output with S-RAM Not used
44	GND	-	Ground terminal
45	VDDEXT	-	Power supply terminal (+3.3V)
46	AD12	I/O	Two-way data bus and address signal output with S-RAM Not used
47	VDDINT	-	Power supply terminal (+1.2V)
48	GND	-	Ground terminal
49 to 52	AD11 to AD8	I/O	Two-way data bus and address signal output with S-RAM Not used
53	A16	O	Address signal output to S-RAM Not used
54	VDDINT	-	Power supply terminal (+1.2V)
55	GND	-	Ground terminal
56, 57	A17, A18	O	Address signal output to S-RAM Not used
58	GND	-	Ground terminal
59	VDDEXT	-	Power supply terminal (+3.3V)
60	VDDINT	-	Power supply terminal (+1.2V)
61	GND	-	Ground terminal
62	PF_CE	I/O	Chip enable signal input/output terminal Not used
63	SPI_MAS	O	Master/slave selection signal output terminal "L": DSP is master Not used
64	DPSOA	O	PCM audio signal (front L/R) output to the D/A converter
65	DPSOB	O	PCM audio signal (surround L/R) output to the D/A converter
66	VDDINT	-	Power supply terminal (+1.2V)

Pin No.	Pin Name	I/O	Description
67	GND	-	Ground terminal
68	VDDINT	-	Power supply terminal (+1.2V)
69	GND	-	Ground terminal
70	DPSOC	O	PCM audio signal (center, sub woofer) output to the D/A converter
71	DPSOD	O	PCM audio signal (surround back L/R) output to the D/A converter
72	VDDINT	-	Power supply terminal (+1.2V)
73	VDDEXT	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	VDDINT	-	Power supply terminal (+1.2V)
76	GND	-	Ground terminal
77	DPSOE	O	PCM audio signal output terminal Not used
78	DPSIA	I	PCM audio signal (digital input) input from the digital audio interface receiver
79	DPSIB	I	PCM audio signal (front L/R) input terminal
80	DPSIC	I	PCM audio signal (surround L/R) input terminal
81	DPSID	I	PCM audio signal (center, sub woofer) input terminal
82	DPSIE	I	PCM audio signal (surround back L/R) input terminal
83	VDDINT	-	Power supply terminal (+1.2V)
84, 85	GND	-	Ground terminal
86	DPDVLRCK	O	L/R sampling clock signal output to the D/A converter for PCM audio output
87	DPDVBCK	O	Bit clock signal output to the D/A converter for PCM audio output
88	DPLRCK	I	L/R sampling clock signal input terminal for PCM audio input
89	DPBCK	I	Bit clock signal input terminal for PCM audio input
90	VDDINT	-	Power supply terminal (+1.2V)
91, 92	GND	-	Ground terminal
93	VDDEXT	-	Power supply terminal (+3.3V)
94	DPFSCK	I	Master clock signal input terminal
95	GND	-	Ground terminal
96	VDDINT	-	Power supply terminal (+1.2V)
97	XNONAUDIO	I	Digital input signal switch control signal input from the digital audio interface receiver
98	XSF_CE	O	Chip enable signal output terminal Not used
99	VDDINT	-	Power supply terminal (+1.2V)
100	GND	-	Ground terminal
101	VDDINT	-	Power supply terminal (+1.2V)
102	GND	-	Ground terminal
103	VDDINT	-	Power supply terminal (+1.2V)
104	GND	-	Ground terminal
105	VDDINT	-	Power supply terminal (+1.2V)
106	GND	-	Ground terminal
107, 108	VDDINT	-	Power supply terminal (+1.2V)
109	GND	-	Ground terminal
110	VDDINT	-	Power supply terminal (+1.2V)
111	GND	-	Ground terminal
112	VDDINT	-	Power supply terminal (+1.2V)
113	GND	-	Ground terminal
114	VDDINT	-	Power supply terminal (+1.2V)
115	GND	-	Ground terminal
116	VDDEXT	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal
118	VDDINT	-	Power supply terminal (+1.2V)
119	GND	-	Ground terminal
120	VDDINT	-	Power supply terminal (+1.2V)
121	XRESET	I	System reset signal input from the system controller
122	XSPIDS	I	Serial data latch pulse signal input from the system controller
123	GND	-	Ground terminal
124	VDDINT	-	Power supply terminal (+1.2V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with the system controller

Pin No.	Pin Name	I/O	Description
126	MISO	O	Serial data output to the main system controller
127	MOSI	I	Serial data input from the main system controller
128	GND	-	Ground terminal
129	VDDINT	-	Power supply terminal (+1.2V)
130	VDDEXT	-	Power supply terminal (+3.3V)
131	AVDD	-	Power supply terminal (+3.3V)
132	AVSS	-	Ground terminal
133	GND	-	Ground terminal
134	CLKOUT	-	Not used
135	XEMU	-	Not used
136	TDO	-	Not used
137	TDI	-	Not used
138	CTRST	-	Not used
139	TCK	-	Not used
140	TMS	-	Not used
141	GND	-	Ground terminal
142	CLKIN	I	System clock input terminal (25 MHz)
143	XTAL	O	System clock output terminal (25 MHz)
144	VDDEXT	-	Power supply terminal (+3.3V)

DIGITAL BOARD (1/4) IC2007 MB91353APMT-G-124E1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	COM_CLK	O	Data clock signal output for DIR IC and 8 CH DAC IC
2	COM_DATA	O	Data output for DIR IC and 8 CH DAC IC
3	FL_RESET	O	Reset signal output for FL DISPLAY DRIVER IC
4	HP_RY	O	Headphone relay driver control signal output
5	HP_DETECT	I	Headphone detection signal input
6	BRIDGEABLE_RY	O	Bridgeable relay control signal output
7	FL_LAT	O	Latch signal output for FL DISPLAY DRIVER IC
8	FL_CLK	O	Clock signal output for FL DISPLAY DRIVER IC
9	FL_DATA	O	Serial data output for FL DISPLAY DRIVER IC
10	TUNING A	—	Not Used
11	TUNING B	—	Not Used
12	TUNE_LAT	O	Serial latch signal output for tuner pack
13	TUNE_DI	O	Serial data output for tuner pack
14	T_CLK	O	Clock signal output for tuner pack
15	TUNE_DO	I	Tuner IF data input from tuner pack
16	HDMI_REG_CTRL	O	HDMI regulator control signal output
17	DSP_SEL	O	DSP select signal output
18	VSS	—	Ground
19	VCC	—	Power supply pin (+3.3 V)
20	RDS DATA	I	RDS data input (AEP, UK model)
21 to 24	V_SW4 to V_SW1	O	Video select signal output for COMPONENT VIDEO SELECT IC
25, 26	COMP_S1, COMP_S2	O	Component video select signal output for COMPONENT VIDEO SELECT IC
27	PS(V-MUTE)	O	Video mute signal output for COMPONENT VIDEO SELECT IC
28	CEC_OUT	O	CEC signal output
29	FUSE_DETECT	I	Fuse open detection signal input
30	HDMI_ERR	I	Error detection signal input from HDMI CONTROL IC
31	DAC_LAT	O	Latch signal output for DAC
32	DAC_MUTE	O	Mute signal output for 8CH DAC IC
33	RDS_SIGNAL	I	TUNER SD signal detection input
34	VOL_DA	O	Serial data output for DIR IC
35	VOL_CL	O	Clock signal output for DIR IC
36	PROTECTOR	I	Protector detection signal input
37	SUB_TRANS	O	Sub transformer voltage detection signal output
38	DIR_XMODE(RESET)	O	System reset (Xmode) signal output for DIR IC
39	DIRCKST	O	Clock select signal output for DIR IC
40	VSS	—	Ground
41	I2C_SCL	—	Not Used
42	I2C_SDA	—	Not Used
43	VSS	—	Ground
44	VCC	—	Power supply pin (+3.3 V)
45	SRC_MUTE	—	Not Used
46	POWER_RY	O	Power relay control signal output
47	DIR_CE(LAT)	O	Latch signal output for DIR IC
48	DIR_DO	I	Data input from DIR IC
49	DIR_ERROR	I	Error detection signal input from DIR IC
50	HDMI_FSRATE	I	FSRATE signal input
51	NMI	—	Not used (Fixed at H)
52	MD2	—	Selection of micon operation mode (Fixed at H)
53, 54	MD1, MD0	—	Selection of micon operation mode (Connect to VSS)
55	INIT	—	External reset signal input
56	VCC	—	Power supply pin (+3.3 V)
57	X1	—	Clock signal output (12.5 MHz)
58	X0	—	Clock signal input (12.5 MHz)
59	VSS	—	Ground
60	X0A	—	Not used (Connect to VSS)

Pin No.	Pin Name	I/O	Description
61	X1A	—	Not used (Open)
62	RST_TRG	I	Reset trigger signal input
63	DIR_DATA0	I	Serial data input from DIR IC
64	DSP_RESET	O	System reset signal output for DSP EX3 IC
65	DSP_SPIDS(LAT)	O	Serial data latch pulse signal output for DSP EX3 IC
66	ADC_SEL	—	Not Used
67	SAIR_RESET	I	Protector detection signal input from power amplifier
68	SAIR_DET	—	Not Used
69	FRONT A RY	O	FRONT A speaker relay driver control signal output
70	SW RY	O	SUB WOOFER speaker relay driver control signal output
71	C/SUR	O	CENTER/SURROUND speaker relay driver control signal output
72	SB RY	O	SURROUND BACK L-ch/R-ch speaker relay driver control signal output
73	DSP MISO	I	Serial data input from DSP EX3 IC
74	DSP MOSI	O	Serial data output for DSP EX3 IC
75	DSP SPICLK	O	Serial data transfer clock signal output for DSP EX3 IC
76	VSS	—	Ground
77	VCC	—	Power supply pin (+3.3 V)
78	EEPROM CLK	O	Clock signal output for EEPROM IC
79	VOL_JOG(2B)	I	MASTER VOLUME encoder (B) signal input
80	VOL_JOG(2A)	I	MASTER VOLUME encoder (A) signal input
81	DSPINT	I	Interrupt status signal input from DSP EX3 IC
82	DCAC_DSP_IN	I	External Interrupt signal input from DSP EX3 IC
83	STOP	I	AC off detection signal input
84	SIRCS_IN	I	SIRCS signal input
85	POWER KEY	I	Power key detection signal input
86	RDS INT	I	RDS data clock signal input (AEP model)
87	SAIR_INT	—	Not Used
88	CEC IN	I	CEC signal input
89	HDMI_UART_RX	I	DMPORT receiver signal input
90	HDMI_UART_TX	O	DMPORT transmitter signal output
91	HDMI RESET	O	System reset signal output for HDMI CONTROL IC
92	SIRIUS_MIST	—	Not Used
93	SIRIUS_SIMT	—	Not Used
94	PWR_EN	—	Not Used
95	VCC	—	Power supply pin (+3.3 V)
96	VSS	—	Ground
97	INPUT ENCODER B	I	INPUT SELECTOR encoder (B) signal input
98	EEPROM DATA	I/O	Serial data input from EEPROM IC
99	CLINK TX	I	DMPORT receiver signal input from 8CH DAC IC
100	CLINK RX	O	DMPORT transmitter signal output for 8CH DAC IC
101	CLINK DET	I	DMPORT detection signal input from 8CH DAC IC
102	FLASH2	O	Flash programming signal input
103	FLASH1	O	Flash programming signal output
104	INPUT ENCODER A	I	INPUT SELECTOR encoder (A) signal input
105, 106	NO USE	O	Not used (Open)
107	DSVS(VSS)	—	Ground for D/A converter
108	DAVC(3.3V)	—	Power supply pin (+3.3 V) for D/A converter
109	AVCC(3.3V)	—	Analog power supply pin (+3.3 V) for A/D converter
110	AVRH(3.3V)	—	Standard power supply pin (+3.3 V) for A/D converter
111	AVSS/AVRL(VSS)	—	Analog ground for A/D converter
112	VSS(GND)	—	Ground
113, 114	AD KEY1, AD KEY2	I	Key signal input (A/D port)
115	DCAC_IN	I	AUTO CAL MIC analog signal input
116	VERSION	I	Destination detection signal input (L: US, Canadian model, H: AEP model)
117	LIMITER	I	Limiter signal input
118	THERMAL_1	I	Thermal sensor 1 temp signal input

Pin No.	Pin Name	I/O	Description
119	VACS_CTRL	I	VACS Control signal input terminal
120	THERMAL_2	I	Thermal sensor 2 temp signal input

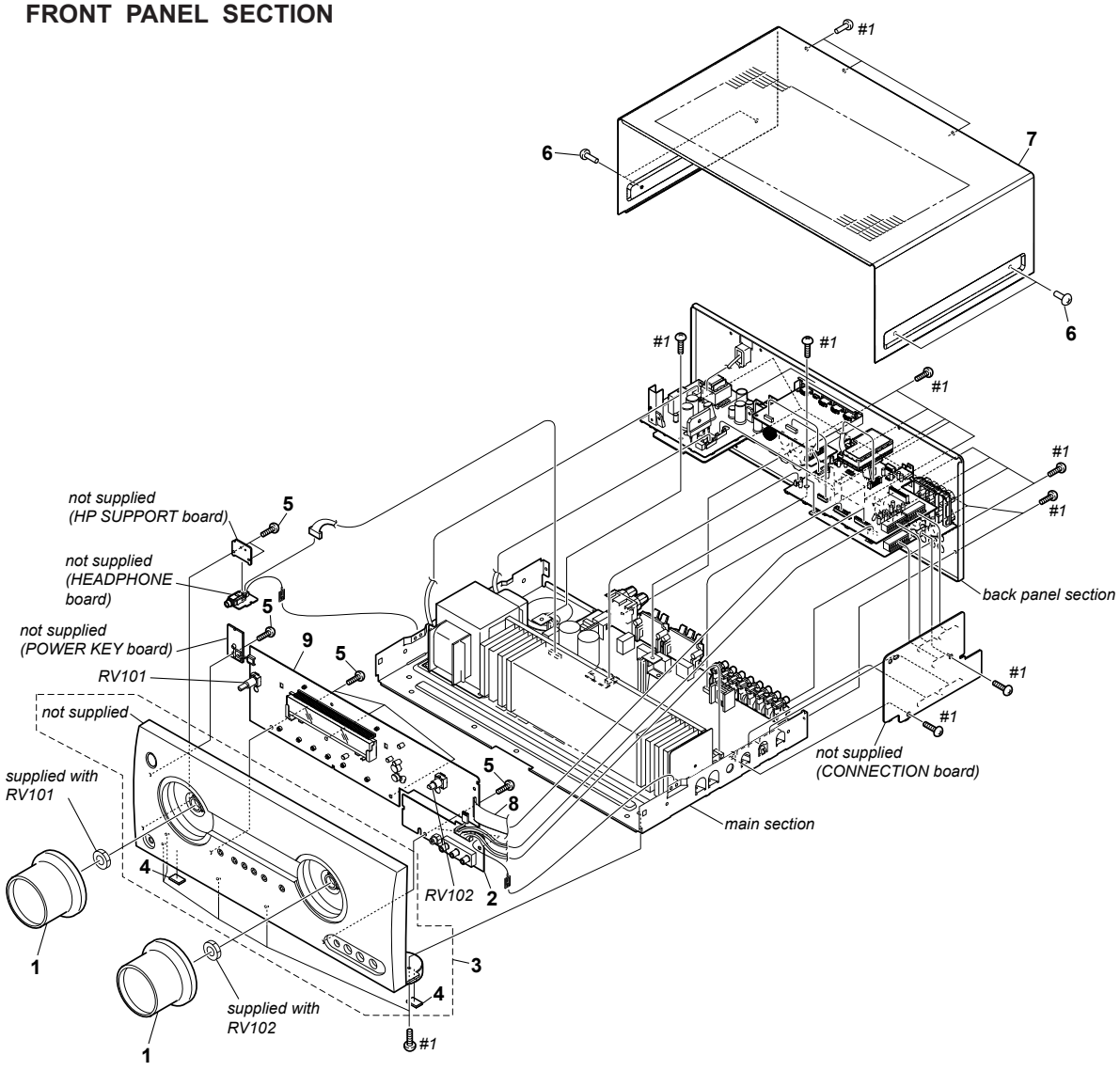
SECTION 6
EXPLODED VIEWS

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.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Accessories are given in the last of the electrical parts list.
- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model
  SAF : South African model

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

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

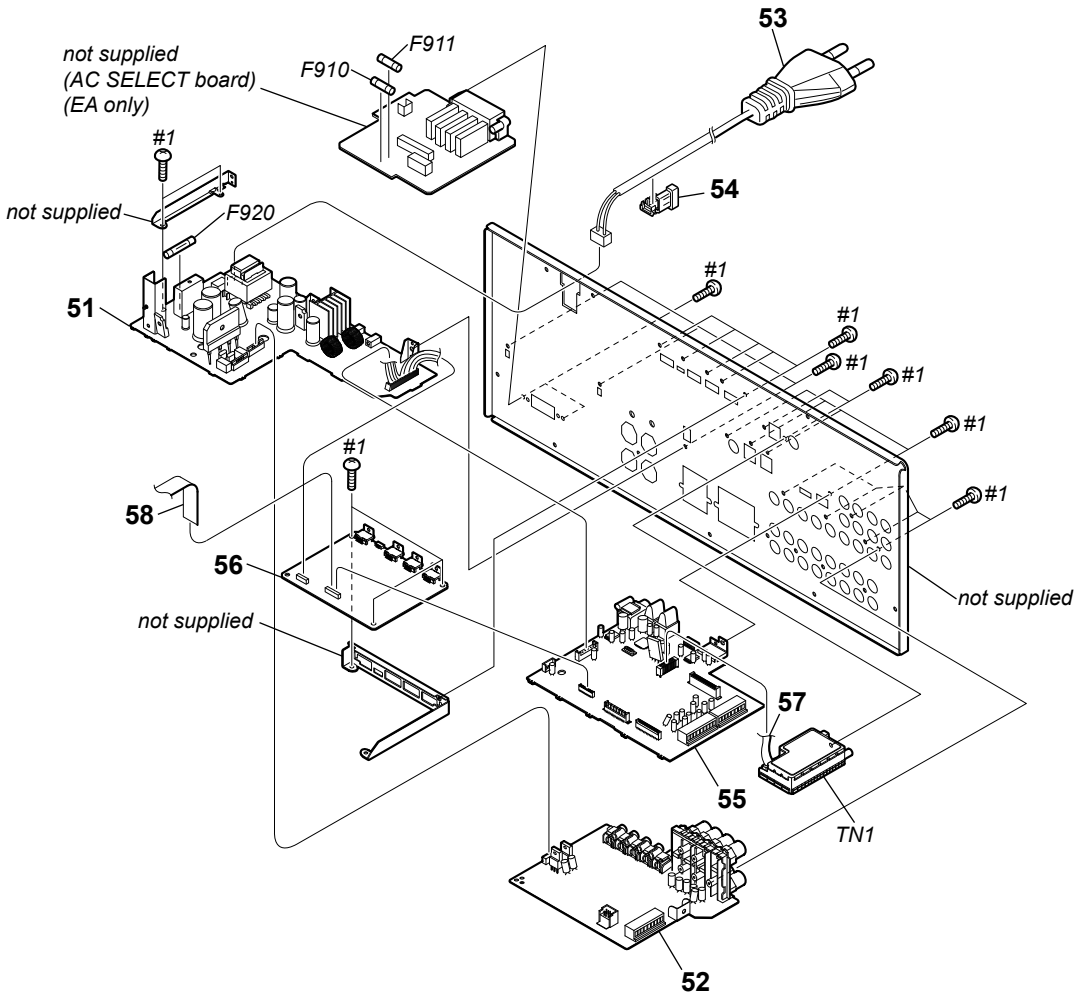
6-1. FRONT PANEL SECTION



Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
1	4-127-215-01	KNOB, VOLUME	
2	A-1701-986-A	VIDEO 2 BOARD, COMPLETE	
3	X-2549-241-1	FRONT PANEL ASSY	
4	4-977-358-01	CUSHION	
5	3-087-053-01	+BVTP2.6 (3CR)	
6	2-580-630-01	SCREW, +BVST 4X8	
7	3-285-693-51	CASE	
8	1-828-633-51	WIRE (FLAT TYPE) (21 CORE)	
9	A-1660-440-A	DISPLAY BOARD, COMPLETE	
RV101	1-418-725-41	ENCODER, ROTARY (12 TYPE) (INPUT SELECTOR)	
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

6-2. BACK PANEL SECTION

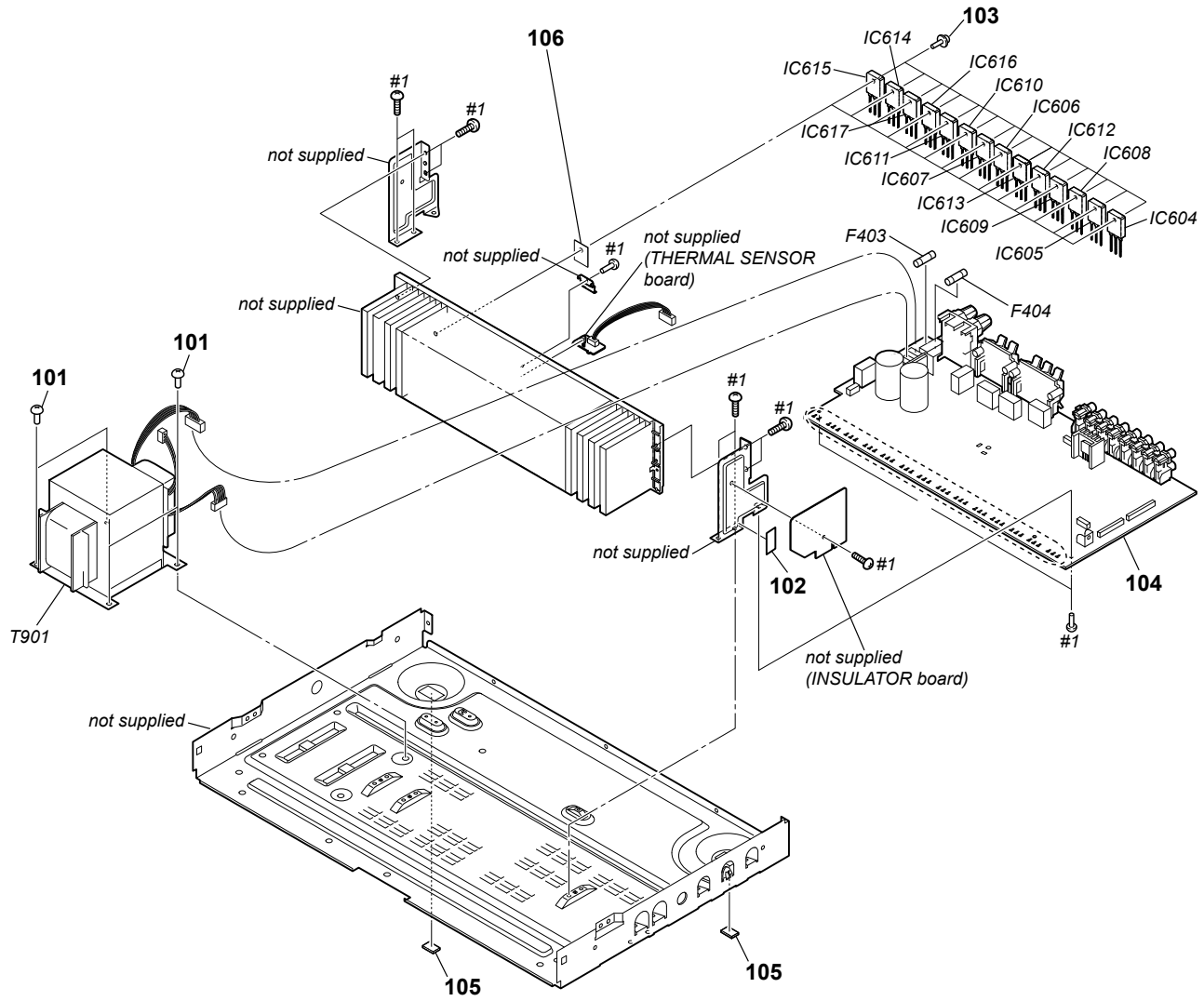


Note: If wire (flat type) is replaced, install it after bending it in the same form as that before replacement.

Ref. No.	Part No.	Description	Remark
51	A-1660-444-A	STANDBY DCDC BOARD, COMPLETE (EXCEPT EA)	
51	A-1660-445-A	STANDBY DCDC BOARD, COMPLETE (EA)	
52	A-1701-988-A	VIDEO BOARD, COMPLETE	
⚠ 53	1-777-071-83	CORD, POWER (SAF)	
⚠ 53	1-833-566-21	POWER-SUPPLY CORD (AUS)	
⚠ 53	1-835-078-31	CORD, POWER (EA)	
54	3-703-244-21	CORD BUSH (2014)	
55	A-1701-082-A	DIGITAL BOARD, COMPLETE (AUS)	
55	A-1701-990-A	DIGITAL BOARD, COMPLETE (SAF)	
55	A-1728-607-A	DIGITAL BOARD, COMPLETE (EA)	

Ref. No.	Part No.	Description	Remark
56	A-1786-295-A	HDMI PC BOARD, COMPLETE	
57	1-828-954-11	WIRE (FLAT TYPE) (9 CORE)	
58	1-828-350-51	WIRE (FLAT TYPE) (17 CORE)	
⚠ F910	1-532-506-33	FUSE (T6.3AL/250V) (EA)	
⚠ F911	1-532-464-33	FUSE (T2.5AL/250V) (EA)	
⚠ F920	1-532-465-33	FUSE (T3.15AL/250V) (EXCEPT EA)	
TN1	1-693-749-21	TUNER (FM/AM)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

6-3. MAIN SECTION



Ref. No.	Part No.	Description	Remark
101	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
102	3-831-441-11	CUSHION, SARANET	
103	3-905-609-01	SCREW (TRANSISTOR)	
104	A-1660-431-A	MAIN BOARD, COMPLETE	
105	4-977-358-01	CUSHION	
106	9-913-401-64	SHEET, MICA	
⚠ F403	1-532-506-33	FUSE (T6.3AL/250V)	
⚠ F404	1-532-506-33	FUSE (T6.3AL/250V)	
IC604	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC605	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
IC606	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC607	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
IC608	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC609	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
IC610	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC611	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
IC612	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC613	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
IC614	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC615	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
IC616	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
IC617	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠ T901	1-445-652-11	POWER TRANSFORMER (MAIN) (EXCEPT EA)	
⚠ T901	1-445-730-11	POWER TRANSFORMER (MAIN) (EA)	
#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 7
ELECTRICAL PARTS LIST

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- 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. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Abbreviation
  AUS : Australian model
  EA : Saudi Arabia model
  SAF : South African model

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

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

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Ref. No.	Part No.	Description			Remark
		AC SELECT BOARD (EA)			
		**********			
		< CONNECTOR >			
* CN912	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
		< HOLDER, FUSE >			
FH910	1-533-217-41	HOLDER, FUSE			
FH911	1-533-217-41	HOLDER, FUSE			
FH912	1-533-217-41	HOLDER, FUSE			
FH913	1-533-217-41	HOLDER, FUSE			
		< SWITCH >			
S910	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)			
**********					
		CONNECTION BOARD			
		**********			
		< CAPACITOR >			
C800	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C801	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C803	1-126-963-11	ELECT	4.7uF	20%	50V
C804	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C805	1-126-963-11	ELECT	4.7uF	20%	50V
C807	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C808	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C809	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C829	1-126-964-11	ELECT	10uF	20%	50V
C830	1-126-964-11	ELECT	10uF	20%	50V
C831	1-126-964-11	ELECT	10uF	20%	50V
C832	1-126-964-11	ELECT	10uF	20%	50V
C833	1-126-964-11	ELECT	10uF	20%	50V
C834	1-126-964-11	ELECT	10uF	20%	50V
C835	1-126-964-11	ELECT	10uF	20%	50V
C836	1-126-964-11	ELECT	10uF	20%	50V
C837	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C838	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C839	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C840	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C841	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C842	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C843	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C844	1-114-587-91	CERAMIC CHIP	0.0022uF	5%	50V
C845	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C846	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C847	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
C848	1-100-152-91	CERAMIC CHIP	100PF	5%	100V
		< CONNECTOR >			
CN800	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CN801	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CN802	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
CN803	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
CN804	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
		< IC >			
IC800	8-759-710-97	IC NJM4565M-D			
		< RESISTOR >			
R801	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R802	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R803	1-216-841-11	METAL CHIP	47K	5%	1/10W
R804	1-216-841-11	METAL CHIP	47K	5%	1/10W
R805	1-216-841-11	METAL CHIP	47K	5%	1/10W
R806	1-216-841-11	METAL CHIP	47K	5%	1/10W
R807	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R808	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R822	1-216-821-11	METAL CHIP	1K	5%	1/10W
R830	1-216-821-11	METAL CHIP	1K	5%	1/10W
R832	1-216-821-11	METAL CHIP	1K	5%	1/10W
R840	1-216-821-11	METAL CHIP	1K	5%	1/10W
R842	1-216-821-11	METAL CHIP	1K	5%	1/10W
R850	1-216-821-11	METAL CHIP	1K	5%	1/10W
R851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R860	1-216-821-11	METAL CHIP	1K	5%	1/10W
**********					
	A-1701-082-A	DIGITAL BOARD, COMPLETE (AUS)			
	A-1701-990-A	DIGITAL BOARD, COMPLETE (SAF)			
	A-1728-607-A	DIGITAL BOARD, COMPLETE (EA)			
		**********			
		< CAPACITOR >			
C2000	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C2001	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2002	1-112-121-11	ELECT	100uF	20%	16V
C2003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2004	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2005	1-162-962-11	CERAMIC CHIP	470PF	10%	50V

Ref. No.	Part No.	Description			Remark
C2006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2007	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2008	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2009	1-164-862-11	CERAMIC CHIP	33PF	5%	50V
C2010	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
C2011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2012	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2013	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2014	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2015	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2016	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C2018	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2019	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2020	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2021	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2022	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2023	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2024	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2025	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2026	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2027	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2028	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2029	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C2030	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2031	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2032	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2033	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2034	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2035	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2036	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2037	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2038	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2039	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2040	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2041	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2042	1-112-083-11	ELECT	100uF	20%	16V
C2043	1-164-848-11	CERAMIC CHIP	8PF	0.5PF	50V
C2044	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C2045	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2046	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2047	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2048	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2049	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2050	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2051	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2052	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2053	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2054	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2055	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2056	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2057	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C2059	1-112-079-11	ELECT	220uF	20%	10V
C2060	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2061	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C2062	1-126-933-11	ELECT	100uF	20%	16V
C2063	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2064	1-112-083-11	ELECT	100uF	20%	16V
C2065	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2066	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2067	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C2068	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2069	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2070	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2071	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2072	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2073	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2074	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C2083	1-126-947-11	ELECT	47uF	20%	35V
C2084	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2085	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2086	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2087	1-126-965-91	ELECT	22uF	20%	50V
C2091	1-126-916-11	ELECT	1000uF	20%	6.3V
C2092	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2093	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2094	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2095	1-126-933-11	ELECT	100uF	20%	16V
C2096	1-126-933-11	ELECT	100uF	20%	16V
C2097	1-165-722-11	ELECT	100uF	20%	10V
C2099	1-126-965-91	ELECT	22uF	20%	50V
C2104	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2105	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C2106	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2107	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2108	1-112-083-11	ELECT	100uF	20%	16V
C2109	1-112-100-11	ELECT	10uF	20%	50V
C2110	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2111	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2112	1-112-083-11	ELECT	100uF	20%	16V
C2113	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2114	1-112-083-11	ELECT	100uF	20%	16V
C2115	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C2116	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2117	1-126-964-11	ELECT	10uF	20%	50V
C2118	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2119	1-126-964-11	ELECT	10uF	20%	50V
C2120	1-126-964-11	ELECT	10uF	20%	50V
C2121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2122	1-126-960-11	ELECT	1uF	20%	50V
C2123	1-126-960-11	ELECT	1uF	20%	50V
C2125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2126	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2128	1-126-964-11	ELECT	10uF	20%	50V
C2129	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2130	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2131	1-126-964-11	ELECT	10uF	20%	50V
C2132	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2133	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2134	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2135	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2149	1-126-947-11	ELECT	47uF	20%	35V
C2150	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C2153	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C2154	1-135-372-31	ELECT	470uF	20%	10V
C2155	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C2156	1-135-372-31	ELECT	470uF	20%	10V
C2157	1-126-965-91	ELECT	22uF	20%	50V
C2158	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2159	1-165-722-11	ELECT	100uF	20%	10V
C2160	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

DIGITAL

Ref. No.	Part No.	Description			Remark
C2161	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2162	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2163	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2165	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2166	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2167	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2168	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2169	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C2170	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2171	1-126-960-11	ELECT	1uF	20%	50V
C2180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2182	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2183	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2184	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2185	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2186	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2187	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2188	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2189	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2190	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2191	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C2192	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C2193	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2194	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2195	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2196	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2197	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2198	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2202	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2204	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2206	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2208	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2209	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C2220	1-126-947-11	ELECT	47uF	20%	35V
C2221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2223	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2224	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2225	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2226	1-112-121-11	ELECT	100uF	20%	16V
C2227	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2228	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2229	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2230	1-126-964-11	ELECT	10uF	20%	50V
C2231	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2236	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2238	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2239	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2241	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2244	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2245	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2248	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2249	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2250	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

Ref. No.	Part No.	Description			Remark
C2251	1-128-451-11	ELECT CHIP	22uF	20%	16V
C2253	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C2254	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C2255	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C2256	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
C2257	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
C2258	1-164-860-11	CERAMIC CHIP	27PF	5%	50V
C2259	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C2260	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C2263	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2265	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2266	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

< CONNECTOR >

	CN2000	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P
	CN2001	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P
*	CN2100	1-564-510-11	PLUG, CONNECTOR 7P
	CN2102	1-779-799-11	PIN, CONNECTOR 9P
*	CN2103	1-564-507-11	PLUG, CONNECTOR 4P
	CN2200	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P
	CN2202	1-820-116-51	CONNECTOR, FFC/FPC 17P
	CN2203	1-784-861-51	CONNECTOR, FFC (LIF (NON-ZIF)) 9P
	CN2205	1-784-770-11	CONNECTOR, FFC 9P

< DIODE >

D1003	8-719-049-09	DIODE 1SS367-T3SONY
D1004	8-719-049-09	DIODE 1SS367-T3SONY
D2003	8-719-060-48	DIODE RB751V-40TE-17
D2010	6-501-817-01	DIODE MA2J1110GLS0
D2017	8-719-989-03	DIODE DAN222
D2019	8-719-989-03	DIODE DAN222
D2020	6-501-817-01	DIODE MA2J1110GLS0
D2021	8-719-989-03	DIODE DAN222
D2022	8-719-989-03	DIODE DAN222
D2025	6-501-817-01	DIODE MA2J1110GLS0

< FERRITE BEAD >

FB2001	1-469-139-21	FERRITE, EMI (SMD) (2012)
FB2002	1-400-862-11	BEAD, FERRITE
FB2003	1-400-862-11	BEAD, FERRITE
FB2004	1-400-862-11	BEAD, FERRITE
FB2005	1-469-670-21	FERRITE, EMI (SMD) (2012)
FB2006	1-400-862-11	BEAD, FERRITE
FB2007	1-400-862-11	BEAD, FERRITE
FB2008	1-469-670-21	FERRITE, EMI (SMD) (2012)
FB2009	1-400-862-11	BEAD, FERRITE
FB2010	1-400-862-11	BEAD, FERRITE
FB2011	1-400-862-11	BEAD, FERRITE
FB2012	1-469-139-21	FERRITE, EMI (SMD) (2012)
FB2013	1-469-139-21	FERRITE, EMI (SMD) (2012)
FB2014	1-469-139-21	FERRITE, EMI (SMD) (2012)
FB2015	1-400-862-11	BEAD, FERRITE
FB2016	1-400-862-11	BEAD, FERRITE
FB2017	1-400-862-11	BEAD, FERRITE
FB2018	1-400-862-11	BEAD, FERRITE
FB2019	1-400-862-11	BEAD, FERRITE
FB2020	1-400-862-11	BEAD, FERRITE
FB2021	1-400-862-11	BEAD, FERRITE
FB2022	1-400-862-11	BEAD, FERRITE
FB2025	1-400-862-11	BEAD, FERRITE

Ref. No.	Part No.	Description	Remark
FB2026	1-400-862-11	BEAD, FERRITE	
		< IC >	
IC2000	6-705-337-01	IC TK11150CSCL-G	
IC2001	6-710-766-01	IC BD12KA5FP-E2	
IC2002	8-759-277-63	IC TC7W14FU (TE12R)	
IC2003	8-759-058-62	IC TC7S08FU (TE85R)	
IC2004	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC2006	6-706-764-01	IC ADSP21266SKSTZ-2C	
IC2007	6-808-592-01	IC MB91353APMT-G-124E1	
IC2008	6-712-614-01	IC SI-3050KM-TLS	
IC2009	6-712-616-01	IC SI-3033KM-TLS	
IC2010	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2011	8-759-524-48	IC TC74VHC393FT (EL)	
IC2012	8-759-680-48	IC TC7WH157FK (TE85R)	
IC2013	6-713-873-01	IC MM1665ATRE	
IC2014	6-713-627-01	IC BR24S16FJ -WE2	
IC2015	6-713-642-01	IC LC89058W-E	
IC2016	8-759-096-87	IC TC7WU04FU (TE12R)	
IC2017	6-600-466-01	IC TORX147L (SONY) (TV OPTICAL IN)	
IC2018	6-600-466-01	IC TORX147L (SONY) (DIGITAL(ASSIGNABLE)OPTICAL SAT IN)	
IC2019	6-710-554-01	IC PCM1808PWR	
IC2020	6-711-874-01	IC WM8768GEDS/R	
IC2021	6-713-032-01	IC KIA7809API-U/PF	
IC2022	6-705-468-01	IC BA33BC0FP-E2	
IC2023	8-759-524-10	IC TC74VHC157FT (EL)	
		< JACK >	
J2000	1-784-431-11	JACK, PIN 1P (DIGITAL(ASSIGNABLE)COAXIAL DVD IN)	
J2001	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE) (DMPORT)	
		< JUMPER RESISTOR >	
JR2000	1-211-950-11	SHORT CHIP 0	
JR2001	1-216-864-11	SHORT CHIP 0	
JR2002	1-211-950-11	SHORT CHIP 0	
JR2003	1-216-296-11	SHORT CHIP 0	
JR2004	1-216-296-11	SHORT CHIP 0	
JR2005	1-211-950-11	SHORT CHIP 0	
JR2006	1-216-296-11	SHORT CHIP 0	
		< TRANSISTOR >	
Q2000	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
Q2001	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
Q2002	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
Q2003	6-551-699-01	TRANSISTOR ISA1602AM1TP-1EF	
		< RESISTOR >	
R2000	1-216-635-11	METAL CHIP 220 0.5% 1/10W	
R2001	1-216-816-11	METAL CHIP 390 5% 1/10W	
R2002	1-216-815-11	METAL CHIP 330 5% 1/10W	
R2003	1-216-864-11	SHORT CHIP 0	
R2004	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2005	1-216-864-11	SHORT CHIP 0	
R2006	1-216-815-11	METAL CHIP 330 5% 1/10W	
R2007	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R2008	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R2009	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2010	1-216-833-11	METAL CHIP 10K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R2011	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2012	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2013	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2014	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2015	1-216-820-11	METAL CHIP 820 5% 1/10W	
R2016	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2017	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2020	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2021	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2023	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2024	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2025	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2026	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2027	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2028	1-216-864-11	SHORT CHIP 0	
R2030	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2031	1-216-815-11	METAL CHIP 330 5% 1/10W	
R2032	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2033	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2034	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2035	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2036	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2037	1-216-864-11	SHORT CHIP 0	
R2038	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2039	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2040	1-216-801-11	METAL CHIP 22 5% 1/10W	
R2041	1-216-801-11	METAL CHIP 22 5% 1/10W	
R2042	1-216-864-11	SHORT CHIP 0	
R2044	1-216-864-11	SHORT CHIP 0	
R2046	1-216-864-11	SHORT CHIP 0	
R2047	1-216-864-11	SHORT CHIP 0	
R2049	1-216-801-11	METAL CHIP 22 5% 1/10W	
R2050	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R2051	1-216-816-11	METAL CHIP 390 5% 1/10W	
R2056	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2057	1-216-864-11	SHORT CHIP 0	
R2058	1-216-864-11	SHORT CHIP 0	
R2059	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2060	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2061	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2062	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2064	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2065	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2068	1-218-285-11	METAL CHIP 75 5% 1/10W	
R2069	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2070	1-216-855-11	METAL CHIP 680K 5% 1/10W	
R2071	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R2072	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R2073	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2074	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2078	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R2081	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2082	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2084	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2086	1-216-803-11	METAL CHIP 33 5% 1/10W	
R2087	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R2088	1-216-817-11	METAL CHIP 470 5% 1/10W	
R2089	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2090	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2091	1-216-815-11	METAL CHIP 330 5% 1/10W	

DIGITAL

Ref. No.	Part No.	Description			Remark
R2092	1-216-813-11	METAL CHIP	220	5%	1/10W
R2093	1-216-864-11	SHORT CHIP	0		
R2097	1-216-809-11	METAL CHIP	100	5%	1/10W
R2098	1-216-864-11	SHORT CHIP	0		
R2099	1-216-864-11	SHORT CHIP	0		
R2100	1-216-809-11	METAL CHIP	100	5%	1/10W
R2101	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2102	1-216-809-11	METAL CHIP	100	5%	1/10W
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W
R2112	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2113	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2115	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2116	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2122	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2123	1-216-864-11	SHORT CHIP	0		
R2124	1-216-864-11	SHORT CHIP	0		
R2125	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2126	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2127	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2128	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2129	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2130	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2131	1-216-864-11	SHORT CHIP	0		
R2132	1-216-809-11	METAL CHIP	100	5%	1/10W
R2133	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2134	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2135	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2136	1-216-864-11	SHORT CHIP	0		
R2137	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2138	1-216-813-11	METAL CHIP	220	5%	1/10W
R2139	1-216-838-11	METAL CHIP	27K	5%	1/10W
R2140	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2141	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2146	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2149	1-216-809-11	METAL CHIP	100	5%	1/10W
R2151	1-216-809-11	METAL CHIP	100	5%	1/10W
R2152	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2155	1-216-809-11	METAL CHIP	100	5%	1/10W
R2156	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2157	1-216-809-11	METAL CHIP	100	5%	1/10W
R2158	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2159	1-216-809-11	METAL CHIP	100	5%	1/10W
R2160	1-216-809-11	METAL CHIP	100	5%	1/10W
R2161	1-216-809-11	METAL CHIP	100	5%	1/10W
R2164	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2165	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2166	1-216-864-11	SHORT CHIP	0		
R2169	1-216-864-11	SHORT CHIP	0		
R2177	1-216-809-11	METAL CHIP	100	5%	1/10W
R2178	1-216-809-11	METAL CHIP	100	5%	1/10W
R2179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W
R2186	1-216-809-11	METAL CHIP	100	5%	1/10W
R2187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2193	1-216-801-11	METAL CHIP	22	5%	1/10W
R2194	1-216-809-11	METAL CHIP	100	5%	1/10W
R2195	1-216-809-11	METAL CHIP	100	5%	1/10W
R2196	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2197	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2198	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2199	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT EA)
R2199	1-216-864-11	SHORT CHIP	0 (EA)		
R2200	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS)
R2200	1-216-833-11	METAL CHIP	10K	5%	1/10W (SAF)
R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
R2204	1-216-809-11	METAL CHIP	100	5%	1/10W
R2205	1-216-809-11	METAL CHIP	100	5%	1/10W
R2207	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2208	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2209	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2210	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2211	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2212	1-216-809-11	METAL CHIP	100	5%	1/10W
R2213	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2214	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2215	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2216	1-216-809-11	METAL CHIP	100	5%	1/10W
R2217	1-216-809-11	METAL CHIP	100	5%	1/10W
R2218	1-216-809-11	METAL CHIP	100	5%	1/10W
R2220	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2229	1-216-809-11	METAL CHIP	100	5%	1/10W
R2230	1-216-809-11	METAL CHIP	100	5%	1/10W
R2231	1-216-809-11	METAL CHIP	100	5%	1/10W
R2232	1-216-809-11	METAL CHIP	100	5%	1/10W
R2237	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2238	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2239	1-216-809-11	METAL CHIP	100	5%	1/10W
R2241	1-216-864-11	SHORT CHIP	0		
R2246	1-216-809-11	METAL CHIP	100	5%	1/10W
R2251	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2261	1-216-864-11	SHORT CHIP	0		
R2262	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2263	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2267	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2270	1-216-805-11	METAL CHIP	47	5%	1/10W
R2271	1-216-813-11	METAL CHIP	220	5%	1/10W
R2274	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2277	1-216-809-11	METAL CHIP	100	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB2000	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2001	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2002	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2004	1-234-376-11	RES, NETWORK	2.2K (1005X4)		
RB2005	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2006	1-234-372-11	RES, NETWORK	100 (1005X4)		
RB2007	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB2008	1-234-378-21	RES, NETWORK	10K (1005X4)		
		< VIBRATOR >			
X2000	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5 MHz)			
X2001	1-795-126-21	VIBRATOR, CRYSTAL (12.288 MHz)			
X2002	1-814-271-11	QUARTS CRYSTAL UNIT (25 MHz)			

****

Ref. No.	Part No.	Description			Remark
	A-1660-440-A	DISPLAY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C103	1-126-795-11	ELECT	10uF	20%	50V
C104	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C105	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C106	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C107	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C108	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C109	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C114	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C121	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C122	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C123	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C124	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C125	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C126	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C127	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C128	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C129	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C130	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C131	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C132	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C140	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C141	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C142	1-126-796-11	ELECT	22uF	20%	50V
C143	1-126-796-11	ELECT	22uF	20%	50V
C144	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C145	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C151	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C154	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C155	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C156	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C157	1-119-943-91	ELECT	47uF	20%	50V
C158	1-165-722-11	ELECT	100uF	20%	10V
C159	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C198	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C199	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
* CNP101	1-564-518-11	PLUG, CONNECTOR 3P			
CNP102	1-564-517-11	PLUG, CONNECTOR 2P			
CNS104	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			
		< DIODE >			
D100	6-502-968-01	DI DZ2J062M0L			
D101	6-501-817-01	DIODE MA2J1110GLS0			
D102	6-501-817-01	DIODE MA2J1110GLS0			
D103	6-501-817-01	DIODE MA2J1110GLS0			
D104	6-501-817-01	DIODE MA2J1110GLS0			
D105	8-719-075-59	DIODE SELS5B23C-TP15			
D106	8-719-075-59	DIODE SELS5B23C-TP15			
		< FLUORESCENT INDICATOR TUBE >			
FL101	1-483-066-11	VACUUM FLUORESCENT DISPLAYS			
		< IC >			
IC101	6-600-768-01	IC PNA4823M03S0			
IC102	6-713-577-01	IC ML9208-03GAZ03B			
IC103	6-705-468-01	IC BA33BC0FP-E2			
		< COIL >			
L104	1-410-671-31	INDUCTOR	47uH		
		< TRANSISTOR >			
Q101	6-550-065-01	TRANSISTOR	CPH5504-TL-E		
Q110	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q111	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
		< RESISTOR >			
R101	1-216-813-11	METAL CHIP	220	5%	1/10W
R102	1-216-815-11	METAL CHIP	330	5%	1/10W
R108	1-216-813-11	METAL CHIP	220	5%	1/10W
R109	1-216-815-11	METAL CHIP	330	5%	1/10W
R119	1-216-809-11	METAL CHIP	100	5%	1/10W
R120	1-249-393-11	CARBON	10	5%	1/4W
R121	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R122	1-216-864-11	SHORT CHIP	0		
R123	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R124	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R126	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-809-11	METAL CHIP	100	5%	1/10W
R132	1-216-864-11	SHORT CHIP	0		
R140	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R141	1-216-839-11	METAL CHIP	33K	5%	1/10W
R142	1-216-809-11	METAL CHIP	100	5%	1/10W
R143	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R144	1-216-809-11	METAL CHIP	100	5%	1/10W
R145	1-216-809-11	METAL CHIP	100	5%	1/10W
R198	1-249-381-11	CARBON	1	5%	1/4W
R199	1-249-381-11	CARBON	1	5%	1/4W
		< VARIABLE RESISTOR >			
RV101	1-418-725-41	ENCODER, ROTARY (12 TYPE) (INPUT SELECTOR)			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUMER)			
		< SWITCH >			
S101	1-771-410-21	SWITCH, TACTILE (NIGHT MODE)			
S102	1-771-410-21	SWITCH, TACTILE (A.F.D)			
S103	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S107	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S108	1-771-410-21	SWITCH, TACTILE (GAME)			
S109	1-771-410-21	SWITCH, TACTILE (MULTI STEREO)			
		< TRANSFORMER >			
T101	1-445-231-11	TRANSFORMER, DC-DC CONVERTER			
**********					
🔒	A-1786-295-A	HDMI PC BOARD (for SERVICE)			
		**********			
		< CAPACITOR >			
C3000	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

HDMI PC

Ref. No.	Part No.	Description			Remark
C3005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3510	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3543	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
C3544	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3559	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3560	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3565	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3571	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3572	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3573	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3578	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3579	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3580	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3581	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3582	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3585	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C3588	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3592	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3593	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3600	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3602	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3605	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C3606	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3651	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3654	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3655	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3658	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3659	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3660	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3662	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3663	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3664	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3665	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3666	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3667	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3668	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3673	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3676	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3696	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3697	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3703	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C3704	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3708	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

Ref. No.	Part No.	Description			Remark
C3709	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3710	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3711	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3712	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3713	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3714	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3717	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3718	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3719	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3720	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3721	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3722	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3726	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3727	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3735	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
		< CONNECTOR >			
CN3000	1-784-859-51	CONNECTOR, FFC (LIF (NON-ZIF)) 7P			
CN3500	1-820-735-31	HDMI CONNECTOR (HDMI TV OUT)			
CN3501	1-820-735-31	HDMI CONNECTOR (HDMI BD IN)			
CN3502	1-820-735-31	HDMI CONNECTOR (HDMI DVD IN)			
CN3503	1-820-735-31	HDMI CONNECTOR (HDMI SAT IN)			
CN3510	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
CN3511	1-820-116-51	CONNECTOR, FFC/FPC 17P			
		< DIODE >			
D3000	8-719-049-09	DIODE 1SS367-T3SONY			
D3001	8-719-049-09	DIODE 1SS367-T3SONY			
D3514	8-719-053-18	DIODE 1SR154-400TE-25			
D3515	8-719-053-18	DIODE 1SR154-400TE-25			
		< TERMINAL, LUG >			
* ET3500	1-780-408-11	TERMINAL, LUG			
* ET3503	1-780-408-11	TERMINAL, LUG			
		< FERRITE BEAD >			
FB3000	1-400-862-11	BEAD, FERRITE			
* FB3504	1-400-973-21	INDUCTOR (EMI FERRITE)			
* FB3505	1-400-973-21	INDUCTOR (EMI FERRITE)			
FB3506	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB3507	1-469-139-21	FERRITE, EMI (SMD) (2012)			
* FB3508	1-400-973-21	INDUCTOR (EMI FERRITE)			
FB3509	1-400-862-11	BEAD, FERRITE			
FB3511	1-400-862-11	BEAD, FERRITE			
FB3512	1-400-862-11	BEAD, FERRITE			
		< IC >			
IC3000	A-1786-296-A	IC R5F3640DDFBR-128 (for SERVICE)			
IC3500	(Not supplied)	IC SII9233ACTU			
IC3501	(Not supplied)	IC SII9134CTU			
IC3507	8-759-524-50	IC TC74VHC541FT (EL)			
IC3509	6-705-337-01	IC TK11150CSCL-G			
IC3510	6-705-337-01	IC TK11150CSCL-G			
IC3523	6-706-838-01	IC MM1661JHBE			
IC3526	6-714-881-01	IC MM1923DTRE			
IC3528	6-714-903-01	IC MM1921CTRE			
		< COIL >			
L3503	1-469-525-91	INDUCTOR	10uH		
L3504	1-469-525-91	INDUCTOR	10uH		

Note: IC3500 and IC3501 cannot exchange with single. When IC3500 and IC3501 are damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description			Remark
L3505	1-469-525-91	INDUCTOR	10uH		
L3506	1-469-525-91	INDUCTOR	10uH		
L3507	1-481-733-21	INDUCTOR	0.82uH		
L3508	1-469-525-91	INDUCTOR	10uH		
L3509	1-469-525-91	INDUCTOR	10uH		
L3510	1-469-525-91	INDUCTOR	10uH		
* L3511	1-457-685-11	COMMON MODE CHOKE COIL			
* L3512	1-457-685-11	COMMON MODE CHOKE COIL			
		< RESISTOR >			
R3001	1-216-797-11	METAL CHIP	10	5%	1/10W
R3002	1-216-813-11	METAL CHIP	220	5%	1/10W
R3003	1-216-864-11	SHORT CHIP	0		
R3004	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3005	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3006	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3008	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3009	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3010	1-216-797-11	METAL CHIP	10	5%	1/10W
R3011	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3012	1-216-797-11	METAL CHIP	10	5%	1/10W
R3013	1-216-801-11	METAL CHIP	22	5%	1/10W
R3014	1-216-801-11	METAL CHIP	22	5%	1/10W
R3015	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3016	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3018	1-216-805-11	METAL CHIP	47	5%	1/10W
R3020	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3021	1-216-805-11	METAL CHIP	47	5%	1/10W
R3023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3027	1-216-805-11	METAL CHIP	47	5%	1/10W
R3028	1-216-864-11	SHORT CHIP	0		
R3029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3032	1-216-805-11	METAL CHIP	47	5%	1/10W
R3037	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3042	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3043	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3510	1-216-801-11	METAL CHIP	22	5%	1/10W
R3511	1-216-801-11	METAL CHIP	22	5%	1/10W
R3517	1-216-801-11	METAL CHIP	22	5%	1/10W
R3518	1-216-801-11	METAL CHIP	22	5%	1/10W
R3520	1-216-801-11	METAL CHIP	22	5%	1/10W
R3521	1-216-801-11	METAL CHIP	22	5%	1/10W
R3523	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3524	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3530	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3567	1-216-805-11	METAL CHIP	47	5%	1/10W
R3578	1-216-805-11	METAL CHIP	47	5%	1/10W
R3579	1-216-813-11	METAL CHIP	220	5%	1/10W
R3583	1-216-813-11	METAL CHIP	220	5%	1/10W
R3587	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3588	1-216-864-11	SHORT CHIP	0		
R3590	1-216-803-11	METAL CHIP	33	5%	1/10W
R3592	1-216-803-11	METAL CHIP	33	5%	1/10W
R3593	1-216-809-11	METAL CHIP	100	5%	1/10W
R3598	1-216-817-11	METAL CHIP	470	5%	1/10W
R3599	1-216-809-11	METAL CHIP	100	5%	1/10W
R3600	1-216-864-11	SHORT CHIP	0		
R3601	1-216-033-00	METAL CHIP	220	5%	1/10W
R3622	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3623	1-216-809-11	METAL CHIP	100	5%	1/10W
R3624	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3625	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R3626	1-216-797-11	METAL CHIP	10	5%	1/10W
R3627	1-216-797-11	METAL CHIP	10	5%	1/10W
R3628	1-216-864-11	SHORT CHIP	0		
R3629	1-216-797-11	METAL CHIP	10	5%	1/10W
R3630	1-220-876-81	METAL CHIP	18	0.5%	1/16W
R3631	1-216-797-11	METAL CHIP	10	5%	1/10W
R3634	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3638	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3639	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3640	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3641	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3646	1-216-809-11	METAL CHIP	100	5%	1/10W
R3650	1-469-139-21	FERRITE, EMI (SMD) (2012)			
R3651	1-469-139-21	FERRITE, EMI (SMD) (2012)			
R3658	1-216-806-11	METAL CHIP	56	5%	1/10W
R3659	1-216-806-11	METAL CHIP	56	5%	1/10W
R3660	1-216-806-11	METAL CHIP	56	5%	1/10W
R3661	1-216-806-11	METAL CHIP	56	5%	1/10W
R3662	1-216-806-11	METAL CHIP	56	5%	1/10W
R3663	1-216-806-11	METAL CHIP	56	5%	1/10W
R3664	1-216-806-11	METAL CHIP	56	5%	1/10W
R3665	1-216-805-11	METAL CHIP	47	5%	1/10W
R3666	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3676	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3678	1-216-797-11	METAL CHIP	10	5%	1/10W
R3679	1-218-285-11	METAL CHIP	75	5%	1/10W
R3680	1-216-805-11	METAL CHIP	47	5%	1/10W
R3681	1-216-805-11	METAL CHIP	47	5%	1/10W
R3710	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3711	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3712	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3713	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3737	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R3738	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R3740	1-216-809-11	METAL CHIP	100	5%	1/10W
R3741	1-216-864-11	SHORT CHIP	0		
R3743	1-216-864-11	SHORT CHIP	0		
R3746	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3747	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3748	1-216-864-11	SHORT CHIP	0		
R3749	1-216-864-11	SHORT CHIP	0		
R3750	1-216-864-11	SHORT CHIP	0		
R3754	1-216-817-11	METAL CHIP	470	5%	1/10W
R3755	1-216-295-91	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
* RB3500	1-234-714-11	RES, NETWORK	56 (1005X4)		
* RB3501	1-234-714-11	RES, NETWORK	56 (1005X4)		
* RB3502	1-234-714-11	RES, NETWORK	56 (1005X4)		
* RB3503	1-234-714-11	RES, NETWORK	56 (1005X4)		
* RB3505	1-234-714-11	RES, NETWORK	56 (1005X4)		
* RB3506	1-234-714-11	RES, NETWORK	56 (1005X4)		
* RB3507	1-234-714-11	RES, NETWORK	56 (1005X4)		
* RB3508	1-234-714-11	RES, NETWORK	56 (1005X4)		
RB3509	1-234-373-21	RES, NETWORK	220 (1005X4)		
RB3510	1-234-371-21	RES, NETWORK	47 (1005X4)		

HDMI PC **HEADPHONE** **MAIN**

Ref. No.	Part No.	Description			Remark
		< VIBRATOR >			
X3000	1-795-244-11	VIBRATOR, CERAMIC (10 MHz)			
X3501	1-814-023-11	QUARTS CRYSTAL UNIT (27 MHz)			
**********					
		HEADPHONE BOARD			
		**********			
		< CONNECTOR >			
* CNP790	1-564-507-11	PLUG, CONNECTOR 4P			
		< JACK >			
J790	1-817-629-11	JACK (LARGE TYPE) (PHONES)			
**********					
	A-1660-431-A	MAIN BOARD, COMPLETE			
		**********			
	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C401	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C402	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C403	1-126-943-11	ELECT	2200uF	20%	25V
C404	1-126-942-61	ELECT	1000uF	20%	25V
C406	1-135-851-21	MYLAR	0.22uF		100V
C407	1-135-851-21	MYLAR	0.22uF		100V
C408	1-109-932-15	ELECT (BLOCK)	10000uF	20%	71V
C409	1-109-932-15	ELECT (BLOCK)	10000uF	20%	71V
C412	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C413	1-112-084-11	ELECT	470uF	20%	16V
C414	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C415	1-112-084-11	ELECT	470uF	20%	16V
C442	1-126-964-11	ELECT	10uF	20%	50V
C535	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C537	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C538	1-126-963-11	ELECT	4.7uF	20%	50V
C539	1-126-963-11	ELECT	4.7uF	20%	50V
C540	1-126-963-11	ELECT	4.7uF	20%	50V
C541	1-126-963-11	ELECT	4.7uF	20%	50V
C551	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C552	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C555	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C556	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C557	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C558	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C571	1-126-923-91	ELECT	220uF	20%	10V
C581	1-126-924-11	ELECT	330uF	20%	10V
C582	1-126-924-11	ELECT	330uF	20%	10V
C583	1-126-964-11	ELECT	10uF	20%	50V
C603	1-126-964-11	ELECT	10uF	20%	50V
C604	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C605	1-107-792-11	CERAMIC	100PF	5%	1KV
C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C607	1-116-177-21	CERAMIC	3PF		1KV
C608	1-126-923-91	ELECT	220uF	20%	10V
C609	1-126-964-11	ELECT	10uF	20%	50V
C610	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C611	1-107-792-11	CERAMIC	100PF	5%	1KV
C612	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C613	1-116-177-21	CERAMIC	3PF		1KV

Ref. No.	Part No.	Description			Remark
C614	1-126-923-91	ELECT	220uF	20%	10V
C616	1-126-964-11	ELECT	10uF	20%	50V
C617	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C618	1-107-792-11	CERAMIC	100PF	5%	1KV
C619	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C620	1-116-177-21	CERAMIC	3PF		1KV
C621	1-126-923-91	ELECT	220uF	20%	10V
C622	1-126-964-11	ELECT	10uF	20%	50V
C623	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C624	1-107-792-11	CERAMIC	100PF	5%	1KV
C625	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C626	1-116-177-21	CERAMIC	3PF		1KV
C627	1-126-923-91	ELECT	220uF	20%	10V
C631	1-126-964-11	ELECT	10uF	20%	50V
C632	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C633	1-107-792-11	CERAMIC	100PF	5%	1KV
C634	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C635	1-116-177-21	CERAMIC	3PF		1KV
C636	1-126-923-91	ELECT	220uF	20%	10V
C637	1-126-964-11	ELECT	10uF	20%	50V
C638	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C639	1-107-792-11	CERAMIC	100PF	5%	1KV
C640	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C641	1-116-177-21	CERAMIC	3PF		1KV
C642	1-126-923-91	ELECT	220uF	20%	10V
C644	1-126-964-11	ELECT	10uF	20%	50V
C645	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C646	1-107-792-11	CERAMIC	100PF	5%	1KV
C647	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C648	1-116-177-21	CERAMIC	3PF		1KV
C649	1-126-923-91	ELECT	220uF	20%	10V
C650	1-126-947-11	ELECT	47uF	20%	35V
C651	1-114-989-81	CERAMIC	47PF	5%	1KV
C652	1-114-989-81	CERAMIC	47PF	5%	1KV
C653	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C654	1-136-157-00	FILM	0.022uF	5%	50V
C655	1-126-947-11	ELECT	47uF	20%	35V
C656	1-114-989-81	CERAMIC	47PF	5%	1KV
C657	1-114-989-81	CERAMIC	47PF	5%	1KV
C658	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C659	1-136-157-00	FILM	0.022uF	5%	50V
C660	1-126-947-11	ELECT	47uF	20%	35V
C661	1-114-989-81	CERAMIC	47PF	5%	1KV
C662	1-114-989-81	CERAMIC	47PF	5%	1KV
C663	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C664	1-136-157-00	FILM	0.022uF	5%	50V
C665	1-126-947-11	ELECT	47uF	20%	35V
C666	1-114-989-81	CERAMIC	47PF	5%	1KV
C667	1-114-989-81	CERAMIC	47PF	5%	1KV
C668	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C669	1-136-157-00	FILM	0.022uF	5%	50V
C670	1-126-947-11	ELECT	47uF	20%	35V
C671	1-114-989-81	CERAMIC	47PF	5%	1KV
C672	1-114-989-81	CERAMIC	47PF	5%	1KV
C673	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C674	1-136-157-00	FILM	0.022uF	5%	50V
C675	1-126-947-11	ELECT	47uF	20%	35V
C676	1-114-989-81	CERAMIC	47PF	5%	1KV
C677	1-114-989-81	CERAMIC	47PF	5%	1KV
C678	1-162-960-11	CERAMIC CHIP	220PF	10%	50V

Ref. No.	Part No.	Description			Remark
C679	1-136-157-00	FILM	0.022uF	5%	50V
C680	1-126-947-11	ELECT	47uF	20%	35V
C681	1-114-989-81	CERAMIC	47PF	5%	1KV
C682	1-114-989-81	CERAMIC	47PF	5%	1KV
C683	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C684	1-136-157-00	FILM	0.022uF	5%	50V
C685	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C686	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C687	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C688	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C689	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C690	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C691	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C692	1-126-947-11	ELECT	47uF	20%	35V
C693	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C694	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C695	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C697	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C698	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C699	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C700	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C701	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C702	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C703	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
CC500	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
CC501	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
CC504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
CC505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
CC506	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
CC507	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
CC508	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
CC521	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC522	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC523	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC524	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC525	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC526	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC527	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC528	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC529	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC530	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC531	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC532	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC533	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC534	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
CC536	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
		< CONNECTOR >			
* CN553	1-564-506-11	PLUG, CONNECTOR 3P			
CN554	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			
CN555	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P			
CN556	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P			
* CN558	1-564-509-11	PLUG, CONNECTOR 6P			
		< COMPOSITION CIRCUIT BLOCK >			
CP600	1-234-182-11	ENCAPSULATED COMPONENT			
CP601	1-234-182-11	ENCAPSULATED COMPONENT			
CP602	1-234-182-11	ENCAPSULATED COMPONENT			
CP603	1-234-182-11	ENCAPSULATED COMPONENT			
CP604	1-234-182-11	ENCAPSULATED COMPONENT			

Ref. No.	Part No.	Description	Remark
CP605	1-234-182-11	ENCAPSULATED COMPONENT	
CP606	1-234-182-11	ENCAPSULATED COMPONENT	
		< DIODE >	
D401	8-719-053-18	DIODE 1SR154-400TE-25	
D402	8-719-053-18	DIODE 1SR154-400TE-25	
D403	8-719-053-18	DIODE 1SR154-400TE-25	
D404	8-719-053-18	DIODE 1SR154-400TE-25	
D406	6-501-817-01	DIODE MA2J1110GLS0	
D407	8-719-061-07	DIODE D5SBA60-F	
D412	8-719-053-18	DIODE 1SR154-400TE-25	
D421	6-501-817-01	DIODE MA2J1110GLS0	
D422	6-501-817-01	DIODE MA2J1110GLS0	
D423	6-501-817-01	DIODE MA2J1110GLS0	
D425	6-501-817-01	DIODE MA2J1110GLS0	
D441	6-501-817-01	DIODE MA2J1110GLS0	
D451	6-501-817-01	DIODE MA2J1110GLS0	
D571	6-501-712-01	DIODE MAZ8030G0LS0	
D581	6-500-335-01	DIODE MC2838-T112-1	
D582	6-500-335-01	DIODE MC2838-T112-1	
D600	6-501-817-01	DIODE MA2J1110GLS0	
D601	6-501-817-01	DIODE MA2J1110GLS0	
D602	6-501-817-01	DIODE MA2J1110GLS0	
D603	6-501-817-01	DIODE MA2J1110GLS0	
D604	6-501-817-01	DIODE MA2J1110GLS0	
D605	6-501-817-01	DIODE MA2J1110GLS0	
D606	6-501-817-01	DIODE MA2J1110GLS0	
D607	6-501-817-01	DIODE MA2J1110GLS0	
D608	6-501-817-01	DIODE MA2J1110GLS0	
D609	6-501-817-01	DIODE MA2J1110GLS0	
D610	6-501-817-01	DIODE MA2J1110GLS0	
D611	6-501-817-01	DIODE MA2J1110GLS0	
D612	6-501-817-01	DIODE MA2J1110GLS0	
D613	6-501-817-01	DIODE MA2J1110GLS0	
D614	6-501-734-01	DIODE MAZ8056GMLS0	
D615	6-501-817-01	DIODE MA2J1110GLS0	
D616	6-501-817-01	DIODE MA2J1110GLS0	
D617	6-501-817-01	DIODE MA2J1110GLS0	
		< FUSE >	
⚠ F401	1-523-084-11	FUSE 2A 250V	
⚠ F402	1-523-084-11	FUSE 2A 250V	
		< HOLDER, FUSE >	
FH001	1-533-217-41	HOLDER, FUSE	
FH002	1-533-217-41	HOLDER, FUSE	
FH003	1-533-217-41	HOLDER, FUSE	
FH004	1-533-217-41	HOLDER, FUSE	
		< IC >	
IC412	6-712-294-01	IC KIA7807API-U/PF	
IC413	6-712-295-01	IC KIA7907PI	
IC551	6-716-394-01	IC BD3470KS2	
IC600	6-710-828-01	IC STK350-530T-E	
IC601	6-710-828-01	IC STK350-530T-E	
IC602	6-710-828-01	IC STK350-530T-E	
IC603	6-710-828-01	IC STK350-530T-E	
		< JACK >	
J521	1-774-411-11	JACK, PIN 6P (SA-CD/CD/CD-R IN/OUT, TV IN)	

MAIN

Ref. No.	Part No.	Description	Remark
J522	1-794-981-11	JACK, PIN 4P (SAT AUDIO IN, BD AUDIO IN)	
J523	1-794-981-11	JACK, PIN 4P (VIDEO1 AUDIO IN, AUDIO OUT)	
J525	1-793-777-12	JACK, PIN 2P (SUBWOOFER AUDIO OUT)	
		< JUMPER RESISTOR >	
JR401	1-216-864-11	SHORT CHIP 0	
JR402	1-216-864-11	SHORT CHIP 0	
JR403	1-216-864-11	SHORT CHIP 0	
JR404	1-216-864-11	SHORT CHIP 0	
JR405	1-216-864-11	SHORT CHIP 0	
		< COIL >	
L600	1-420-872-52	COIL, AIR-CORE	
L601	1-420-872-52	COIL, AIR-CORE	
L602	1-420-872-52	COIL, AIR-CORE	
L603	1-420-872-52	COIL, AIR-CORE	
L604	1-420-872-52	COIL, AIR-CORE	
L605	1-420-872-52	COIL, AIR-CORE	
L606	1-420-872-52	COIL, AIR-CORE	
		< TRANSISTOR >	
Q406	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q421	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q422	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q423	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q425	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q441	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q451	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q581	8-729-216-31	TRANSISTOR 2SA1163-G	
Q582	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q583	8-729-216-31	TRANSISTOR 2SA1163-G	
Q584	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q585	8-729-271-31	TRANSISTOR 2SC2713-G	
Q600	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q601	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q602	8-729-216-31	TRANSISTOR 2SA1163-G	
Q603	8-729-216-31	TRANSISTOR 2SA1163-G	
Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q605	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q606	8-729-216-31	TRANSISTOR 2SA1163-G	
Q607	8-729-216-31	TRANSISTOR 2SA1163-G	
Q608	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q609	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q610	8-729-216-31	TRANSISTOR 2SA1163-G	
Q611	8-729-216-31	TRANSISTOR 2SA1163-G	
Q612	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q613	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q614	8-729-216-31	TRANSISTOR 2SA1163-G	
Q615	8-729-216-31	TRANSISTOR 2SA1163-G	
Q616	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q617	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q618	8-729-216-31	TRANSISTOR 2SA1163-G	
Q619	8-729-216-31	TRANSISTOR 2SA1163-G	
Q620	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q621	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q622	8-729-216-31	TRANSISTOR 2SA1163-G	
Q623	8-729-216-31	TRANSISTOR 2SA1163-G	
Q624	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q625	8-729-922-39	TRANSISTOR 2SD2144S-V	
Q626	8-729-216-31	TRANSISTOR 2SA1163-G	
Q627	8-729-216-31	TRANSISTOR 2SA1163-G	

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R406	1-249-399-11	CARBON	33	5%	1/4W
R407	1-249-401-11	CARBON	47	5%	1/4W
R408	1-216-841-11	METAL CHIP	47K	5%	1/10W
R409	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R421	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R422	1-249-399-11	CARBON	33	5%	1/4W
R424	1-216-841-11	METAL CHIP	47K	5%	1/10W
R425	1-216-821-11	METAL CHIP	1K	5%	1/10W
R426	1-249-399-11	CARBON	33	5%	1/4W
R428	1-216-841-11	METAL CHIP	47K	5%	1/10W
R429	1-216-821-11	METAL CHIP	1K	5%	1/10W
R430	1-249-399-11	CARBON	33	5%	1/4W
R432	1-216-841-11	METAL CHIP	47K	5%	1/10W
R437	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R438	1-249-399-11	CARBON	33	5%	1/4W
R440	1-216-841-11	METAL CHIP	47K	5%	1/10W
R441	1-216-845-11	METAL CHIP	100K	5%	1/10W
R442	1-216-821-11	METAL CHIP	1K	5%	1/10W
R443	1-216-841-11	METAL CHIP	47K	5%	1/10W
R444	1-216-833-11	METAL CHIP	10K	5%	1/10W
R445	1-216-841-11	METAL CHIP	47K	5%	1/10W
R446	1-249-409-11	CARBON	220	5%	1/4W
R451	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R453	1-249-401-11	CARBON	47	5%	1/4W
R454	1-216-841-11	METAL CHIP	47K	5%	1/10W
R455	1-215-891-11	METAL OXIDE	680	5%	2W
R456	1-215-891-11	METAL OXIDE	680	5%	2W
R521	1-216-821-11	METAL CHIP	1K	5%	1/10W
R522	1-216-821-11	METAL CHIP	1K	5%	1/10W
R523	1-216-821-11	METAL CHIP	1K	5%	1/10W
R524	1-216-821-11	METAL CHIP	1K	5%	1/10W
R525	1-216-821-11	METAL CHIP	1K	5%	1/10W
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R527	1-216-821-11	METAL CHIP	1K	5%	1/10W
R530	1-216-821-11	METAL CHIP	1K	5%	1/10W
R531	1-216-821-11	METAL CHIP	1K	5%	1/10W
R532	1-216-821-11	METAL CHIP	1K	5%	1/10W
R533	1-216-821-11	METAL CHIP	1K	5%	1/10W
R534	1-216-821-11	METAL CHIP	1K	5%	1/10W
R535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R536	1-216-821-11	METAL CHIP	1K	5%	1/10W
R551	1-216-821-11	METAL CHIP	1K	5%	1/10W
R552	1-216-821-11	METAL CHIP	1K	5%	1/10W
R571	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R572	1-216-864-11	SHORT CHIP	0		
R573	1-216-837-11	METAL CHIP	22K	5%	1/10W
R581	1-218-292-11	METAL CHIP	20K	5%	1/10W
R582	1-216-840-11	METAL CHIP	39K	5%	1/10W
R583	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R584	1-216-840-11	METAL CHIP	39K	5%	1/10W
R585	1-216-833-11	METAL CHIP	10K	5%	1/10W
R586	1-216-821-11	METAL CHIP	1K	5%	1/10W
R600	1-216-843-11	METAL CHIP	68K	5%	1/10W
R601	1-249-377-11	CARBON	0.47	5%	1/4W
R602	1-249-377-11	CARBON	0.47	5%	1/4W
R604	1-216-821-11	METAL CHIP	1K	5%	1/10W
R605	1-216-843-11	METAL CHIP	68K	5%	1/10W
R606	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R607	1-208-826-11	METAL CHIP	68K	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R611	1-216-843-11	METAL CHIP	68K	5%	1/10W
R612	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R613	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R616	1-216-821-11	METAL CHIP	1K	5%	1/10W
R617	1-216-843-11	METAL CHIP	68K	5%	1/10W
R618	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R619	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R621	1-216-821-11	METAL CHIP	1K	5%	1/10W
R622	1-216-843-11	METAL CHIP	68K	5%	1/10W
R623	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R624	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R627	1-216-821-11	METAL CHIP	1K	5%	1/10W
R628	1-216-843-11	METAL CHIP	68K	5%	1/10W
R629	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R630	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R632	1-216-821-11	METAL CHIP	1K	5%	1/10W
R633	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R634	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R637	1-216-821-11	METAL CHIP	1K	5%	1/10W
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W
R639	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R640	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R641	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R642	1-216-844-11	METAL CHIP	82K	5%	1/10W
R643	1-216-818-11	METAL CHIP	560	5%	1/10W
R644	1-249-405-11	CARBON	100	5%	1/4W
R645	1-249-405-11	CARBON	100	5%	1/4W
R646	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R647	1-240-855-91	CARBON	6.2K	5%	1/4W
R648	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R649	1-216-835-11	METAL CHIP	15K	5%	1/10W
R650	1-216-843-11	METAL CHIP	68K	5%	1/10W
R651	1-249-389-11	CARBON	4.7	5%	1/4W
R652	1-249-393-11	CARBON	10	5%	1/4W
R653	1-216-841-11	METAL CHIP	47K	5%	1/10W
R654	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R655	1-216-844-11	METAL CHIP	82K	5%	1/10W
R656	1-216-818-11	METAL CHIP	560	5%	1/10W
R657	1-249-405-11	CARBON	100	5%	1/4W
R658	1-249-405-11	CARBON	100	5%	1/4W
R659	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R660	1-240-855-91	CARBON	6.2K	5%	1/4W
R661	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R662	1-216-835-11	METAL CHIP	15K	5%	1/10W
R663	1-216-843-11	METAL CHIP	68K	5%	1/10W
R664	1-249-389-11	CARBON	4.7	5%	1/4W
R665	1-249-393-11	CARBON	10	5%	1/4W
R666	1-216-841-11	METAL CHIP	47K	5%	1/10W
R667	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R668	1-216-844-11	METAL CHIP	82K	5%	1/10W
R669	1-216-818-11	METAL CHIP	560	5%	1/10W
R670	1-249-405-11	CARBON	100	5%	1/4W
R671	1-249-405-11	CARBON	100	5%	1/4W
R672	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R673	1-240-855-91	CARBON	6.2K	5%	1/4W
R674	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R675	1-216-835-11	METAL CHIP	15K	5%	1/10W
R676	1-216-843-11	METAL CHIP	68K	5%	1/10W
R677	1-249-389-11	CARBON	4.7	5%	1/4W
R678	1-249-393-11	CARBON	10	5%	1/4W
R679	1-216-841-11	METAL CHIP	47K	5%	1/10W
R680	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R681	1-216-844-11	METAL CHIP	82K	5%	1/10W
R682	1-216-818-11	METAL CHIP	560	5%	1/10W
R683	1-249-405-11	CARBON	100	5%	1/4W
R684	1-249-405-11	CARBON	100	5%	1/4W
R685	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R686	1-240-855-91	CARBON	6.2K	5%	1/4W
R687	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R688	1-216-835-11	METAL CHIP	15K	5%	1/10W
R689	1-216-843-11	METAL CHIP	68K	5%	1/10W
R690	1-249-389-11	CARBON	4.7	5%	1/4W
R691	1-249-393-11	CARBON	10	5%	1/4W
R692	1-216-841-11	METAL CHIP	47K	5%	1/10W
R693	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R694	1-216-844-11	METAL CHIP	82K	5%	1/10W
R695	1-216-818-11	METAL CHIP	560	5%	1/10W
R696	1-249-405-11	CARBON	100	5%	1/4W
R697	1-249-405-11	CARBON	100	5%	1/4W
R698	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R699	1-240-855-91	CARBON	6.2K	5%	1/4W
R700	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R701	1-216-835-11	METAL CHIP	15K	5%	1/10W
R702	1-216-843-11	METAL CHIP	68K	5%	1/10W
R703	1-249-389-11	CARBON	4.7	5%	1/4W
R704	1-249-393-11	CARBON	10	5%	1/4W
R705	1-216-841-11	METAL CHIP	47K	5%	1/10W
R706	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R707	1-216-844-11	METAL CHIP	82K	5%	1/10W
R708	1-216-818-11	METAL CHIP	560	5%	1/10W
R709	1-249-405-11	CARBON	100	5%	1/4W
R710	1-249-405-11	CARBON	100	5%	1/4W
R711	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R712	1-240-855-91	CARBON	6.2K	5%	1/4W
R713	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R714	1-216-835-11	METAL CHIP	15K	5%	1/10W
R715	1-216-843-11	METAL CHIP	68K	5%	1/10W
R716	1-249-389-11	CARBON	4.7	5%	1/4W
R717	1-249-393-11	CARBON	10	5%	1/4W
R718	1-216-841-11	METAL CHIP	47K	5%	1/10W
R719	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R720	1-216-844-11	METAL CHIP	82K	5%	1/10W
R721	1-216-818-11	METAL CHIP	560	5%	1/10W
R722	1-249-405-11	CARBON	100	5%	1/4W
R723	1-249-405-11	CARBON	100	5%	1/4W
R724	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R725	1-240-855-91	CARBON	6.2K	5%	1/4W
R726	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R727	1-216-835-11	METAL CHIP	15K	5%	1/10W
R728	1-216-843-11	METAL CHIP	68K	5%	1/10W
R729	1-249-389-11	CARBON	4.7	5%	1/4W
R730	1-249-393-11	CARBON	10	5%	1/4W
R731	1-216-841-11	METAL CHIP	47K	5%	1/10W
R732	1-216-841-11	METAL CHIP	47K	5%	1/10W
R733	1-216-841-11	METAL CHIP	47K	5%	1/10W
R734	1-216-833-11	METAL CHIP	10K	5%	1/10W
R735	1-216-841-11	METAL CHIP	47K	5%	1/10W
R736	1-216-833-11	METAL CHIP	10K	5%	1/10W
R737	1-216-841-11	METAL CHIP	47K	5%	1/10W

MAIN | **POWER KEY** | **STANDBY DCDC**

Ref. No.	Part No.	Description			Remark
R738	1-216-841-11	METAL CHIP	47K	5%	1/10W
R739	1-216-845-11	METAL CHIP	100K	5%	1/10W
R740	1-216-845-11	METAL CHIP	100K	5%	1/10W
R741	1-216-845-11	METAL CHIP	100K	5%	1/10W
R742	1-216-845-11	METAL CHIP	100K	5%	1/10W
R743	1-216-845-11	METAL CHIP	100K	5%	1/10W
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R745	1-216-845-11	METAL CHIP	100K	5%	1/10W
R746	1-216-833-11	METAL CHIP	10K	5%	1/10W
R747	1-216-077-91	METAL CHIP	15K	5%	1/10W
R748	1-216-079-00	METAL CHIP	18K	5%	1/10W
R749	1-216-835-11	METAL CHIP	15K	5%	1/10W
R750	1-216-835-11	METAL CHIP	15K	5%	1/10W
R751	1-216-835-11	METAL CHIP	15K	5%	1/10W
R752	1-216-845-11	METAL CHIP	100K	5%	1/10W
R753	1-216-845-11	METAL CHIP	100K	5%	1/10W
R754	1-216-845-11	METAL CHIP	100K	5%	1/10W
R755	1-216-843-11	METAL CHIP	68K	5%	1/10W
R756	1-216-864-11	SHORT CHIP	0		
RR500	1-249-393-11	CARBON	10	5%	1/4W
RR501	1-249-393-11	CARBON	10	5%	1/4W
RR504	1-249-393-11	CARBON	10	5%	1/4W
RR505	1-249-393-11	CARBON	10	5%	1/4W
RR506	1-249-393-11	CARBON	10	5%	1/4W
RR507	1-249-393-11	CARBON	10	5%	1/4W
RR508	1-249-393-11	CARBON	10	5%	1/4W
		< RELAY >			
RY406	1-755-593-11	RELAY			
RY421	1-755-170-11	RELAY (12V)			
RY422	1-755-170-11	RELAY (12V)			
RY423	1-755-170-11	RELAY (12V)			
RY425	1-755-170-11	RELAY (12V)			
RY441	1-755-267-11	RELAY			
RY451	1-755-170-11	RELAY (12V)			
		< TERMINAL >			
TB500	1-780-215-11	TERMINAL BOARD (SP) (4P) (SPEAKERS FRONT)			
TB502	1-694-785-11	TERMINAL BOARD (SPEAKERS SURROUND)			
TB503	1-694-805-11	TERMINAL BOARD (SPEAKERS CENTER, SURROUND BACK)			

****

POWER KEY BOARD

****

< SWITCH >

S110	1-771-410-21	SWITCH, TACTILE (I/⏻)			

****

	A-1660-444-A	STANDBY DCDC BOARD, COMPLETE (EXCEPT EA)			
	A-1660-445-A	STANDBY DCDC BOARD, COMPLETE (EA)			

****

	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3			

< CAPACITOR >

C911	1-130-777-00	MYLAR	0.1uF	5%	100V
C912	1-130-777-00	MYLAR	0.1uF	5%	100V
C914	1-126-942-61	ELECT	1000uF	20%	25V
C917	1-126-941-11	ELECT	470uF	20%	25V
C918	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C919	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C921	1-126-947-11	ELECT	47uF	20%	35V
C923	1-126-936-11	ELECT	3300uF	20%	16V
C924	1-126-960-11	ELECT	1uF	20%	50V
C925	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C926	1-126-942-61	ELECT	1000uF	20%	25V
C927	1-104-329-11	CERAMIC CHIP	0.1uF	10%	50V
C930	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C931	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C932	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C933	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C934	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C971	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C972	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C980	1-128-959-21	ELECT	1000uF	20%	35V
C981	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C982	1-128-950-21	ELECT	1000uF	20%	16V
C990	1-128-959-21	ELECT	1000uF	20%	35V
C991	1-126-944-11	ELECT	3300uF	20%	25V
C992	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C993	1-128-950-21	ELECT	1000uF	20%	16V
C994	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C995	1-126-947-11	ELECT	47uF	20%	35V
C998	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C999	1-126-947-11	ELECT	47uF	20%	35V

< CONNECTOR >

* CN905	1-564-508-11	PLUG, CONNECTOR 5P	

< CONNECTOR >

* CNP904	1-564-507-11	PLUG, CONNECTOR 4P	
⚠ CNP921	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P (EA)	
CNP922	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
* CNP923	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P	

< DIODE >

D903	8-719-061-07	DIODE D5SBA60-F
D911	6-501-361-01	DIODE RB051LA-40TR
D913	8-719-053-18	DIODE 1SR154-400TE-25
D920	6-501-361-01	DIODE RB051LA-40TR
D921	6-501-361-01	DIODE RB051LA-40TR
D922	6-501-361-01	DIODE RB051LA-40TR
D923	6-501-361-01	DIODE RB051LA-40TR
D924	6-501-817-01	DIODE MA2J1110GLS0
D925	6-501-817-01	DIODE MA2J1110GLS0
D926	6-501-361-01	DIODE RB051LA-40TR
D927	6-501-817-01	DIODE MA2J1110GLS0
D980	6-502-218-01	DI RB060M-30TR
D991	6-501-361-01	DIODE RB051LA-40TR
D992	8-719-049-09	DIODE 1SS367-T3SONY
D993	8-719-049-09	DIODE 1SS367-T3SONY
D994	8-719-053-18	DIODE 1SR154-400TE-25
D995	6-501-712-01	DIODE MAZ8030G0LS0

< FUSE >

⚠ F901	1-523-086-11	FUSE 3.15A 250V	
⚠ F902	1-523-086-11	FUSE 3.15A 250V	

Ref. No.	Part No.	Description			Remark
		< FERRITE BEAD >			
FB900	1-414-671-22	INDUCTOR, FERRITE BEAD			
FB901	1-414-671-22	INDUCTOR, FERRITE BEAD			
		< HOLDER, FUSE >			
FH920	1-533-217-41	HOLDER, FUSE (EXCEPT EA)			
FH921	1-533-217-41	HOLDER, FUSE (EXCEPT EA)			
		< IC >			
IC910	6-712-294-01	IC KIA7807API-U/PF			
IC911	6-708-737-01	IC KIA78D05PI (EXCEPT EA)			
IC980	8-759-474-09	IC SI-8050S-LF1101			
IC990	8-759-659-28	IC SI-8033S			
IC991	6-713-873-01	IC MM1665ATRE			
IC992	6-713-034-01	IC KIA7812API-U/PF			
		< JACK >			
J920	1-820-056-11	SMALL TYPE JACK (SYSTEM CONTROL OUT)			
J921	1-820-056-11	SMALL TYPE JACK (SYSTEM CONTROL OUT)			
		< COIL >			
L980	1-456-545-11	INDUCTOR	100uH		
L981	1-457-508-21	INDUCTOR	0.1mH		
L990	1-456-545-11	INDUCTOR	100uH		
L992	1-457-508-21	INDUCTOR	0.1mH		
		< TRANSISTOR >			
Q920	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q921	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q922	8-729-106-60	TRANSISTOR	2SB1115A-YQ		
Q923	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
		< RESISTOR >			
R920	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R921	1-216-837-11	METAL CHIP	22K	5%	1/10W
R922	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R923	1-216-841-11	METAL CHIP	47K	5%	1/10W
R924	1-216-837-11	METAL CHIP	22K	5%	1/10W
R925	1-216-841-11	METAL CHIP	47K	5%	1/10W
R926	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R927	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R928	1-216-841-11	METAL CHIP	47K	5%	1/10W
R929	1-249-381-11	CARBON	1	5%	1/4W
R980	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R981	1-216-819-11	METAL CHIP	680	5%	1/10W
R982	1-216-817-11	METAL CHIP	470	5%	1/10W
R990	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R991	1-216-819-11	METAL CHIP	680	5%	1/10W
R992	1-216-817-11	METAL CHIP	470	5%	1/10W
R993	1-216-833-11	METAL CHIP	10K	5%	1/10W
R994	1-215-882-00	METAL OXIDE	22	5%	2W
R995	1-215-882-00	METAL OXIDE	22	5%	2W
		< RELAY >			
RY920	1-755-541-11	RELAY			
		< TRANSFORMER >			
⚠ T921	1-437-314-11	TRANSFORMER, POWER (SUB) (EA)			
⚠ T924	1-437-313-11	TRANSFORMER, POWER (SUB) (EXCEPT EA)			

Ref. No.	Part No.	Description			Remark
**********					
		THERMAL SENSOR BOARD			
		**********			
		< CAPACITOR >			
C250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C251	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C252	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
		< DIODE >			
D250	6-502-968-01	DI DZ2J062M0L			
		< IC >			
IC250	6-710-072-01	IC LM61CIZ/LFT2			
IC251	6-710-072-01	IC LM61CIZ/LFT2			
		< RESISTOR >			
R250	1-216-809-11	METAL CHIP	100	5%	1/10W
**********					
	A-1701-988-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C200	1-126-947-11	ELECT	47uF	20%	35V
C201	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C203	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C204	1-126-947-11	ELECT	47uF	20%	35V
C205	1-126-964-11	ELECT	10uF	20%	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
C209	1-126-964-11	ELECT	10uF	20%	50V
C210	1-126-964-11	ELECT	10uF	20%	50V
C211	1-126-964-11	ELECT	10uF	20%	50V
C212	1-126-964-11	ELECT	10uF	20%	50V
C213	1-126-964-11	ELECT	10uF	20%	50V
C214	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C218	1-126-964-11	ELECT	10uF	20%	50V
C219	1-126-964-11	ELECT	10uF	20%	50V
C220	1-126-964-11	ELECT	10uF	20%	50V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C226	1-126-964-11	ELECT	10uF	20%	50V
C227	1-126-964-11	ELECT	10uF	20%	50V
C228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN202	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P			
* CNP201	1-564-506-11	PLUG, CONNECTOR 3P			
		< DIODE >			
D210	6-501-817-01	DIODE MA2J1110GLS0			
D211	6-501-817-01	DIODE MA2J1110GLS0			
		< IC >			
IC201	6-711-998-01	IC KIA7905PI			
IC202	6-713-031-01	IC KIA7805API-U/PF			

VIDEO **VIDEO 2**

Ref. No.	Part No.	Description			Remark
IC210	6-704-199-01	IC NJM2595M-TE2			
IC220	6-706-767-01	IC NJM2586AM			
		< JACK >			
J200	1-815-043-11	JACK, PIN 2P (MONITOR VIDEO OUT, VIDEO 1 VIDEO IN)			
J201	1-794-978-11	JACK, PIN 3P (VIDEO 1 VIDEO OUT, BD VIDEO IN, SAT VIDEO IN)			
J202	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO DVD IN/ VIDEO 1 IN/MONITOR OUT)			
J203	1-821-278-12	JACK 3P (COMPONENT VIDEO SAT IN)			
		< JUMPER RESISTOR >			
JR210	1-216-864-11	SHORT CHIP	0		
		< RESISTOR >			
R200	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R201	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R202	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R203	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R204	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R205	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R206	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R207	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R208	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R209	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R210	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R211	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R212	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R213	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R220	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R221	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R222	1-211-990-11	METAL CHIP	75	0.5%	1/10W
**********					
	A-1701-986-A	VIDEO 2 BOARD, COMPLETE **********			
		< CAPACITOR >			
C160	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C161	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C162	1-124-261-00	ELECT	10uF	20%	50V
C163	1-124-261-00	ELECT	10uF	20%	50V
C171	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C172	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C173	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C174	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C175	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C180	1-124-465-00	ELECT	0.47uF	20%	50V
C181	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C182	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C183	1-126-160-11	ELECT	1uF	20%	50V
C184	1-126-160-11	ELECT	1uF	20%	50V
C185	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
C186	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C188	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C190	1-100-436-91	CERAMIC CHIP	0.033uF	10%	25V
C191	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C192	1-126-160-11	ELECT	1uF	20%	50V
C193	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C196	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C197	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
		< DIODE >			
D180	6-501-817-01	DIODE MA2J1110GLS0			
D181	6-501-817-01	DIODE MA2J1110GLS0			
		< FERRITE BEAD >			
* FB101	1-469-532-21	INDUCTOR, FERRITE BEAD			
* FB102	1-469-532-21	INDUCTOR, FERRITE BEAD			
		< IC >			
IC180	8-759-710-97	IC NJM4565M-D			
IC181	8-759-710-97	IC NJM4565M-D			
		< JACK >			
J180	1-822-453-11	SMALL TYPE JACK (3.5MM) (AUTO CAL MIC)			
J181	1-819-187-11	PIN JACK 3P (VIDEO 2 IN VIDEO/L-AUDIO-R)			
		< RESISTOR >			
R171	1-218-285-11	METAL CHIP	75	5%	1/10W
R172	1-216-821-11	METAL CHIP	1K	5%	1/10W
R173	1-216-821-11	METAL CHIP	1K	5%	1/10W
R180	1-216-835-11	METAL CHIP	15K	5%	1/10W
R181	1-216-839-11	METAL CHIP	33K	5%	1/10W
R182	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R183	1-216-833-11	METAL CHIP	10K	5%	1/10W
R184	1-216-821-11	METAL CHIP	1K	5%	1/10W
R185	1-216-833-11	METAL CHIP	10K	5%	1/10W
R186	1-216-857-11	METAL CHIP	1M	5%	1/10W
R187	1-216-854-11	METAL CHIP	560K	5%	1/10W
R188	1-216-833-11	METAL CHIP	10K	5%	1/10W
R190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R191	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R192	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R193	1-216-821-11	METAL CHIP	1K	5%	1/10W
R194	1-216-841-11	METAL CHIP	47K	5%	1/10W
R195	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3673	1-211-950-11	SHORT CHIP	0		
**********					
		MISCELLANEOUS **********			
8	1-828-633-51	WIRE (FLAT TYPE) (21 CORE)			
⚠ 53	1-777-071-83	CORD, POWER (SAF)			
⚠ 53	1-833-566-21	POWER-SUPPLY CORD (AUS)			
⚠ 53	1-835-078-31	CORD, POWER (EA)			
57	1-828-954-11	WIRE (FLAT TYPE) (9 CORE)			
58	1-828-350-51	WIRE (FLAT TYPE) (17 CORE)			
⚠ F403	1-532-506-33	FUSE (T6.3AL/250V)			
⚠ F404	1-532-465-33	FUSE (T6.3AL/250V)			
⚠ F910	1-532-506-33	FUSE (T6.3AL/250V) (EA)			
⚠ F911	1-532-464-33	FUSE (T2.5AL/250V) (EA)			
⚠ F920	1-532-465-33	FUSE (T3.15AL/250V) (EXCEPT EA)			
IC604	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
IC605	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
IC606	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
IC607	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
IC608	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		
IC609	6-702-391-01	TRANSISTOR	MP1620-OPY-MK		
IC610	6-702-390-01	TRANSISTOR	MN2488-OPY-MK		

Ref. No.	Part No.	Description		Remark
IC611	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
IC612	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
IC613	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
IC614	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
IC615	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
IC616	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	
IC617	6-702-391-01	TRANSISTOR	MP1620-OPY-MK	
⚠ T901	1-445-652-11	POWER TRANSFORMER (MAIN) (EXCEPT EA)		
⚠ T901	1-445-730-11	POWER TRANSFORMER (MAIN) (EA)		
TN1	1-693-749-21	TUNER (FM/AM)		

****

Ref. No.	Part No.	Description	Remark

REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2010.08	New