

# STR-DH520

## SERVICE MANUAL

Ver. 1.0 2011.01

*US Model  
Canadian Model  
AEP Model  
UK Model  
Australian Model  
Taiwan Model*



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

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\*\* 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; 7,212,872; 7,333,929; 7,392,195; 7,272,567 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks, & DTS-HD, DTS-HD Master Audio, and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

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### SPECIFICATIONS

#### AUDIO POWER SPECIFICATIONS

##### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

###### (US model only)

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 90 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

##### Amplifier section

US model<sup>1)</sup>

Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz, THD 0.09%)  
90 W + 90 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)  
100 W + 100 W

Surround Mode Output Power<sup>2)</sup> (8 ohms, 1 kHz, THD 10%)  
130 W per channel

CND, ECE, UK, AUS and TW models<sup>1)</sup>

Minimum RMS Output Power (8 ohms, 20 Hz – 20 kHz, THD 0.09%)  
85 W + 85 W

Stereo Mode Output Power (8 ohms, 1 kHz, THD 1%)  
100 W + 100 W

Surround Mode Output Power<sup>2)</sup> (8 ohms, 1 kHz, THD 10%)  
130 W per channel

– Continued on next page –

## MULTI CHANNEL AV RECEIVER

9-890-559-01

2011A80-1

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**Sony Corporation**

Published by Sony EMCS (Malaysia) PG Tec

# SONY®

# STR-DH520

<sup>1)</sup> Measured under the following conditions:

Area	Power requirements
US, CND, TW	120 V AC, 60 Hz
ECE, UK, AUS	230 V AC, 50 Hz

<sup>2)</sup> Reference power output for front, center, surround, surround back and front high speakers.

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

Frequency response

Analog 10 Hz – 70 kHz,  
+0.5/-2 dB (with sound field and equalizer bypassed)

Input

Analog (PORTABLE IN) Sensitivity: 1 V/50 kohms  
S/N<sup>3)</sup>: 96 dB  
(A, 500 mV<sup>4)</sup>)

Analog (Except PORTABLE IN) Sensitivity: 500 mV/50 kohms  
S/N<sup>3)</sup>: 96 dB  
(A, 500 mV<sup>4)</sup>)

Digital (Coaxial) Impedance: 75 ohms  
S/N: 100 dB  
(A, 20 kHz LPF)

Digital (Optical) S/N: 100 dB  
(A, 20 kHz LPF)

Output (Analog)

AUDIO OUT Voltage: 500 mV/1 kohm  
SUBWOOFER Voltage: 2 V/1 kohm

Equalizer

Gain levels ±6 dB, 1 dB step

<sup>3)</sup> INPUT SHORT (with sound field and equalizer bypassed).

<sup>4)</sup> Weighted network, input level.

## FM tuner section

Tuning range 87.5 MHz – 108.0 MHz  
Antenna (aerial) FM wire antenna (aerial)  
Antenna (aerial) terminals 75 ohms, unbalanced  
Intermediate frequency 10.7 MHz

## AM tuner section

Tuning range

Area	Tuning scale	
	10 kHz step	9 kHz step
US, CND	530 kHz – 1,710 kHz	531 kHz – 1,710 kHz
ECE, UK, AUS, TW	–	531 kHz – 1,602 kHz

Antenna (aerial) Loop antenna (aerial)  
Intermediate frequency 450 kHz

## Video section

Inputs/Outputs

Video: 1 Vp-p, 75 ohms  
COMPONENT VIDEO: Y: 1 Vp-p, 75 ohms  
P<sub>B</sub>: 0.7 Vp-p, 75 ohms  
P<sub>R</sub>: 0.7 Vp-p, 75 ohms  
80 MHz HD Pass Through

## General

Power requirements

Area	Power requirements
US, CND, TW	120 V AC, 60 Hz
ECE, UK, AUS	230 V AC, 50/60 Hz

Power consumption 240W  
Power consumption (during standby mode) 0.3 W (When “CTRL.HDMI” is set to “CTRL OFF”)

Dimensions (width/height/depth) (Approx.) 430 mm × 157.5 mm × 322 mm  
(17 in × 6 1/4 in × 12 3/4 in) including projecting parts and controls

Mass (Approx.) 7.6 kg (16 lb 13 oz)

## Supplied accessories

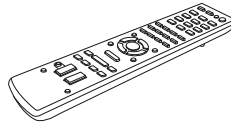
- Operating Instructions
- Quick Setup Guide
- FM wire antenna (aerial) (1)



- AM loop antenna (aerial) (1)



- Remote control (1)
  - RM-AAU104 (US and CND models only)
  - RM-AAU105 (Other models)



- R6 (size AA) batteries (2)



- Optimizer microphone (ECM-AC2) (ECE, UK, AUS and TW models only) (1)



Design and specifications are subject to change without notice.

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

Abbreviation

AUS : Australian model

CND : Canadian model

ECE : Continental European, East European and Russian models

TW : Taiwan model

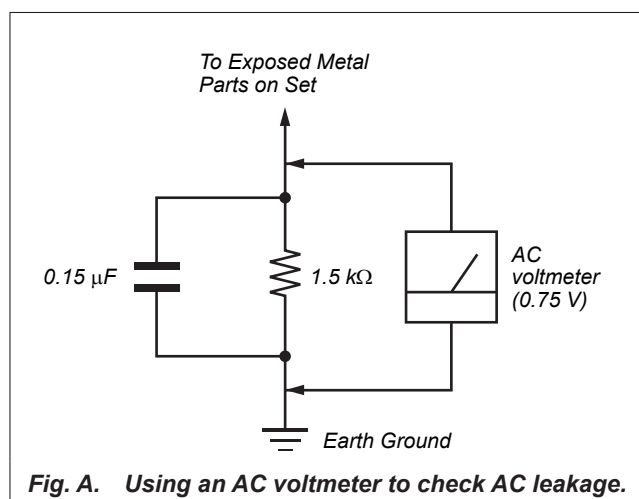
**SAFETY CHECK-OUT**

After correcting the original service problem, perform the following safety check before releasing the set to the customer:  
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.  
Check leakage as described below.

**LEAKAGE TEST**

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



**Fig. A.** Using an AC voltmeter to check AC leakage.

**Notes on chip component replacement**

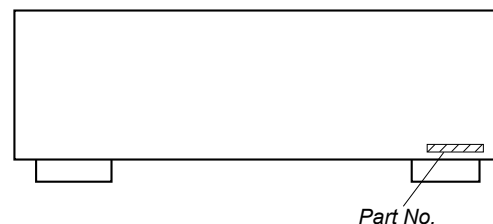
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

**SAFETY-RELATED COMPONENT WARNING!**

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

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!**

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

**MODEL IDENTIFICATION****–BACK PANEL–**

Model	Part No.
US	4-261-825-0□
CND	4-261-825-1□
UK, ECE, AUS	4-261-825-2□
TW	4-261-825-6□

- Abbreviation  
AUS : Australian model  
CND : Canadian model  
ECE : Continental European, East European and Russian models  
TW : Taiwan model

**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)

**LF : LEAD FREE MARK**

Unleaded solder has the following characteristics.

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

**NOTE OF REPLACING THE IC1500 AND IC1600 ON THE DCDC BOARD**

IC1500 and IC1600 on the DCDC board cannot exchange with single. When these parts on the DCDC board are damaged, exchange the entire mounted board.

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

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

**NOTE OF REPLACING THE IC2106 ON THE DIGITAL BOARD**

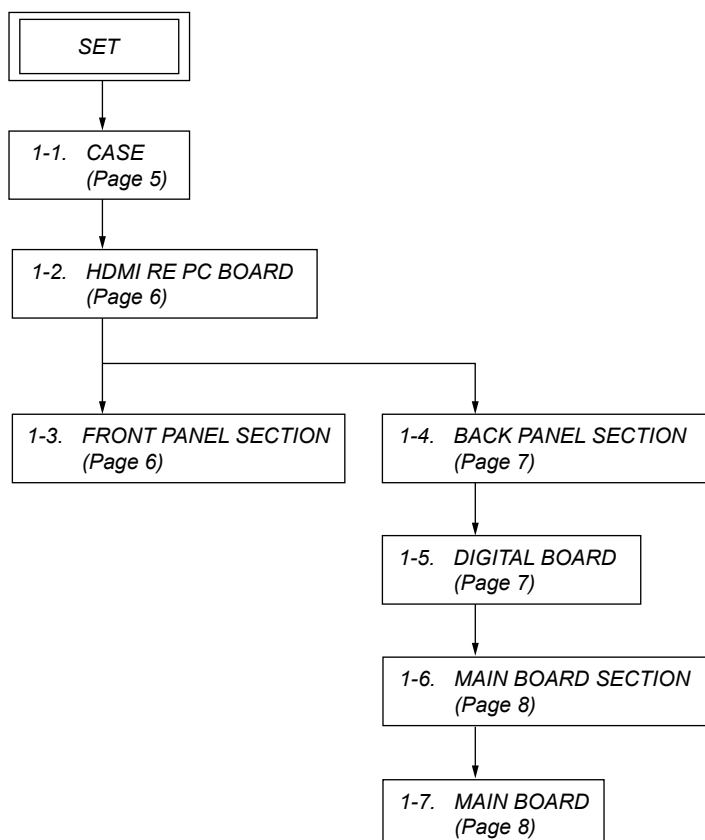
IC2106 on the DIGITAL board cannot exchange with single. When this part on the DIGITAL board is damaged, exchange the entire mounted board.

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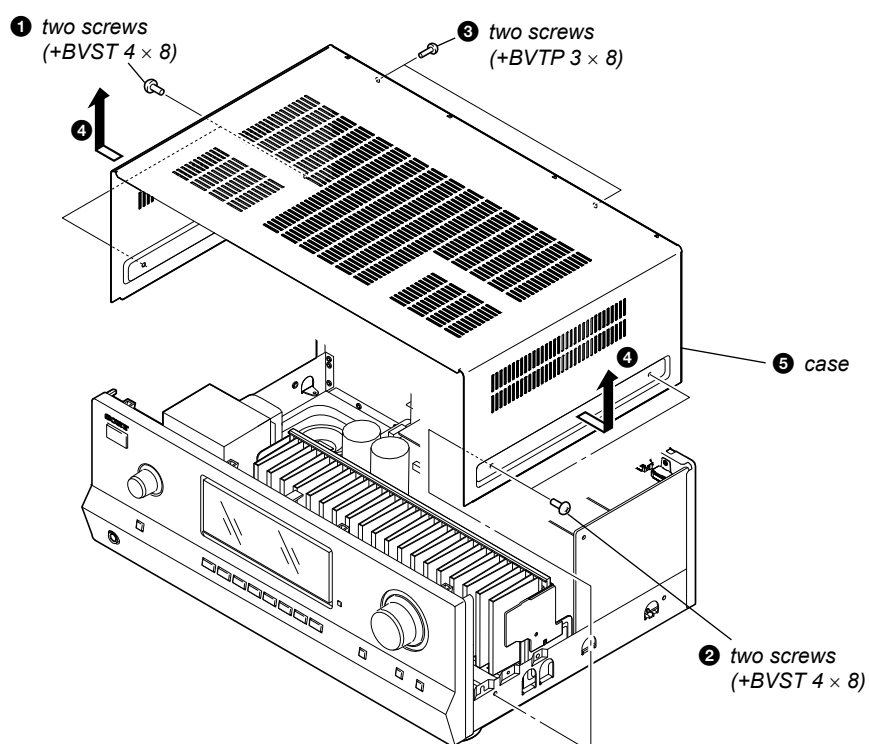
## SECTION 1 DISASSEMBLY

**Note:** This set can be disassembled according to the following sequence.

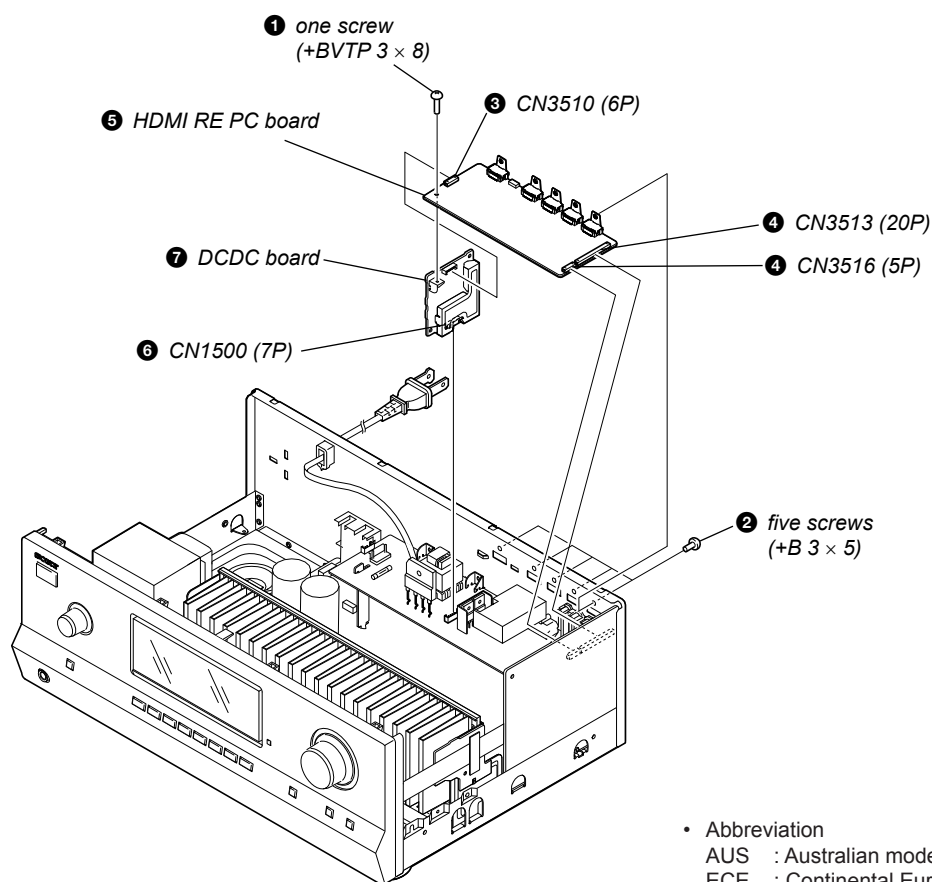


**Note:** Follow the disassembly procedure in the numerical order given.

### 1-1. CASE

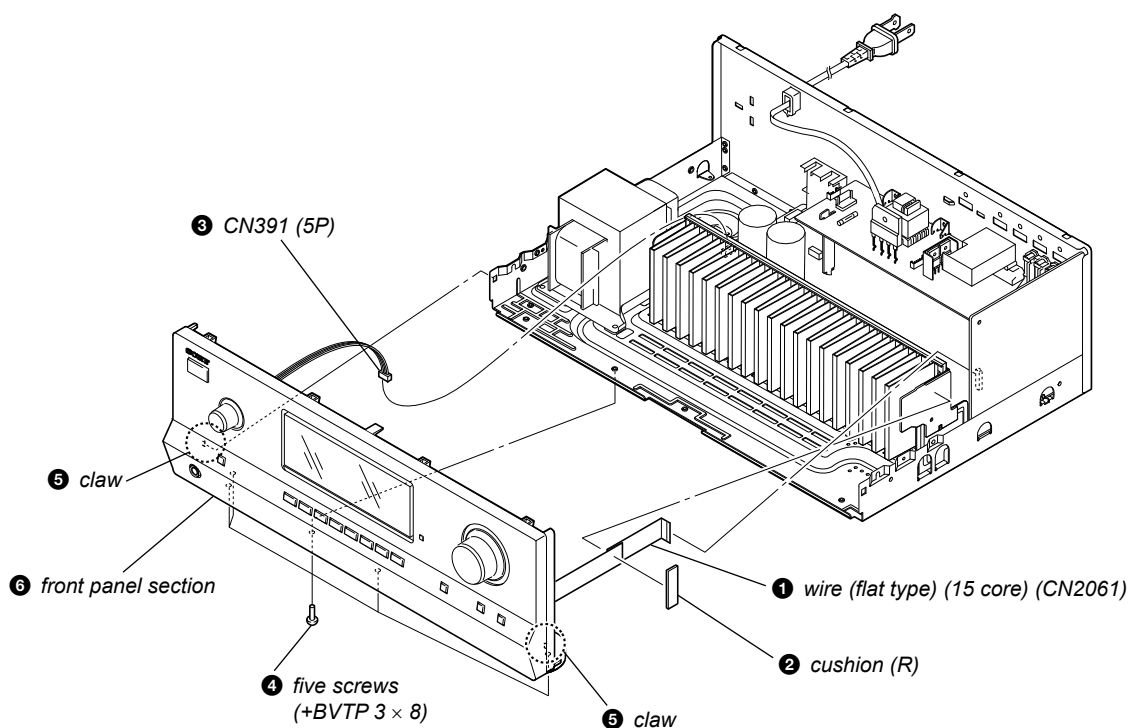


## 1-2. HDMI RE PC BOARD

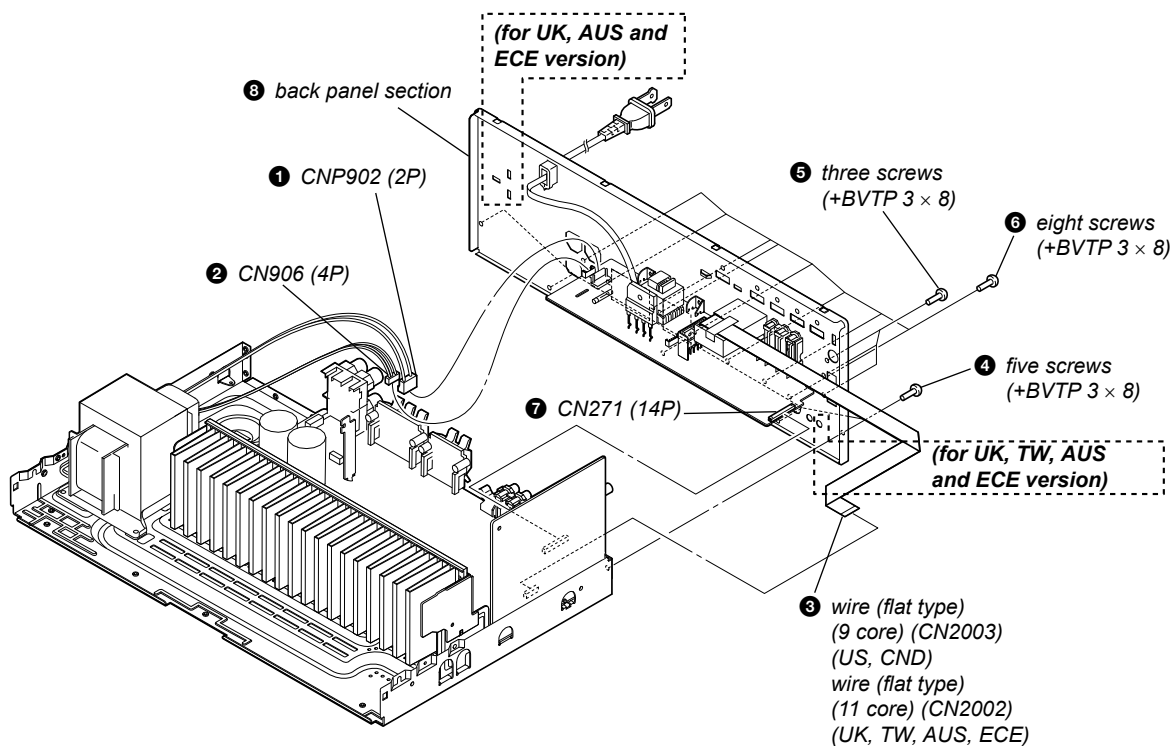


- Abbreviation
- AUS : Australian model
- ECE : Continental European, East European and Russian models

## 1-3. FRONT PANEL SECTION

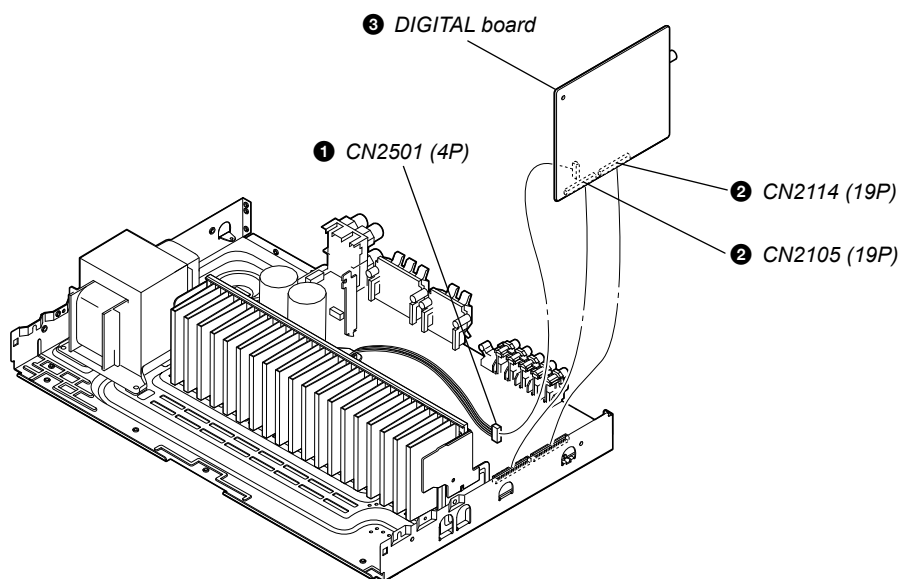


1-4. BACK PANEL SECTION

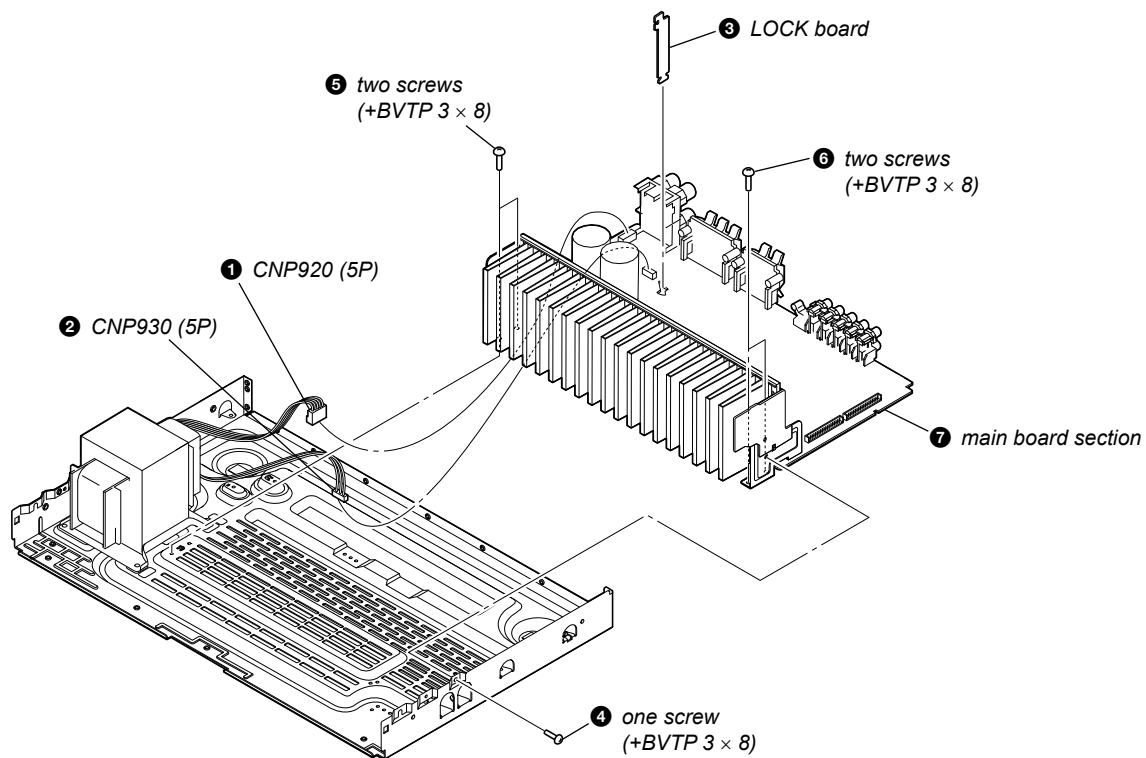


- Abbreviation
- AUS : Australian model
- CND : Canadian model
- ECE : Continental European, East European and Russian models
- TW : Taiwan model

1-5. DIGITAL BOARD

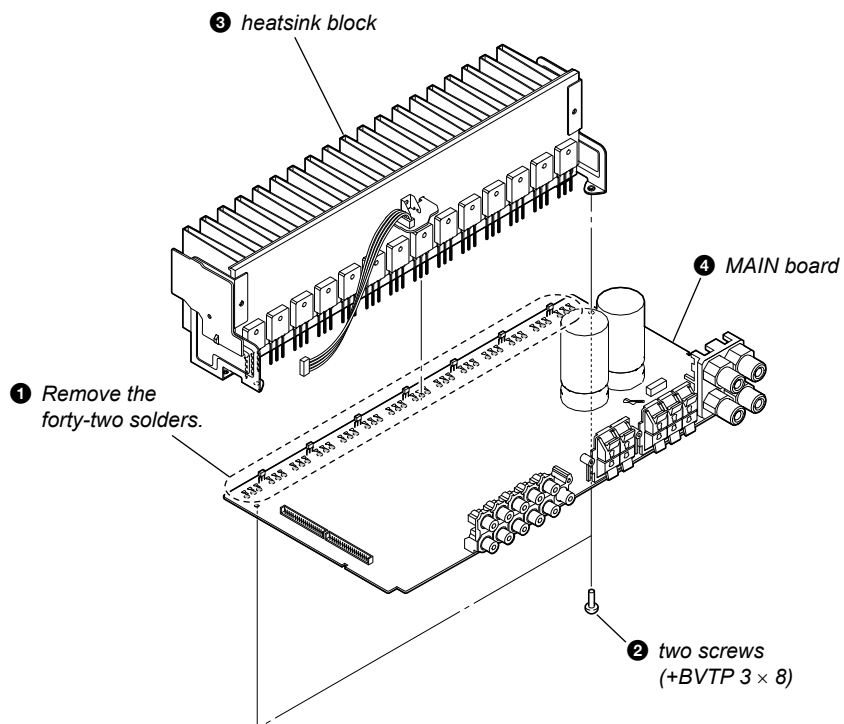


## 1-6. MAIN BOARD SECTION



## 1-7. MAIN BOARD

**Note:** This illustration sees the MAIN board from back side.





## SECTION 2 TEST MODE

### AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE (US, Canadian model only)

\* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

\* Procedure:

Turn the [INPUT SELECTOR] control to set AM and press the [I/⏻] button to turn off the main power.

1. While depressing the [TUNING MODE] button, press the [I/⏻] button to turn on the main power.
2. Either the message “9K STEP” or “10K STEP” appears for a moment and select the desired step.

### VACUUM FLUORESCENT DISPLAY TEST MODE

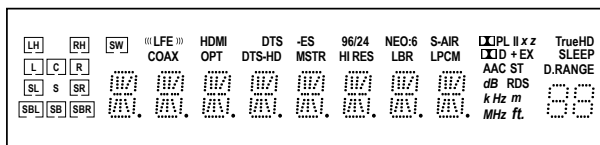
\* All fluorescent segments are tested.

When this test is activated, all segments light on at the same time, then each segment lights on one after another.

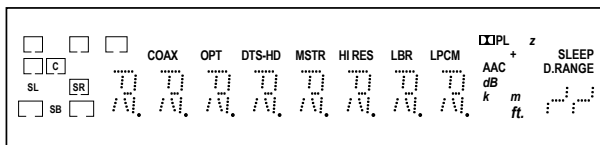
\* Procedure:

While depressing the [TUNING +] and the [DIMMER] buttons simultaneously, press the [I/⏻] button to turn on the main power.

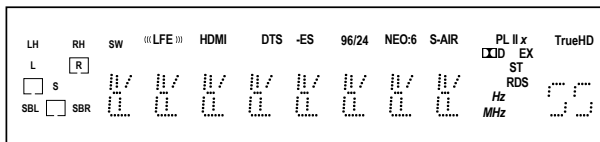
1. ALL segments light on.



2. Press the [DISPLAY] button, confirm display.



3. Press the [DISPLAY] button, confirm display.



4. Press the [DISPLAY] button, all segments light off.

### SOUND FIELD CLEAR MODE

\* The preset sound field is cleared when this mode is activated.

Use this mode before returning the product to clients upon completion of repair.

\* Procedure:

1. While depressing the [MUSIC] button, press the [I/⏻] button to turn on the main power.
2. The message “S.F. CLEAR” appears for a moment and initialization is performed.

### SOFTWARE VERSION CHECK MODE

\* The software version is displayed.

\* Procedure:

1. While depressing the [TUNING MODE] and the [DISPLAY] buttons simultaneously, press the [I/⏻] button to turn on the main power.
2. The message “H5\*\*MX.XX” appears.  
\*: Destination
3. Each time the [DISPLAY] button is pressed, “H.VER X.XX” and “S.VER X.XX” appear in this order and return to the “H5\*\*MX.XX” display.

### KEY CHECK MODE

\* Button check

\* Procedure:

1. While depressing the [TUNING +] and the [MUTING] buttons simultaneously, press the [I/⏻] button to turn on the main power.
2. The message “REST 12” appears.
3. Every pressing of any button other than the [I/⏻] counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed “REST 00” appears.

### SWAP ALL MODE

\* The signal will be swap to all channel so that all speaker will have sound output.

\* Procedure:

1. While depressing the [TUNING MODE] and the [MOVIE/HD-D.C.S.] buttons simultaneously, press the power [I/⏻] button to turn on the main power.
2. “SWAP.MODE” appears. (No change while displayed.)

### PROTECTOR AUTO OFF

\* To disable auto off after protector occur.

\* Procedure:

1. While depressing the [INPUT MODE] and the [A.F.D.] buttons simultaneously, press the power [I/⏻] button to turn on the main power.
2. “PROT OFF” appears.

### DCAC TEST MODE

**Procedure:**

1. While pressing [INPUT MODE] and the [MOVIE/HD-D.C.S.] buttons, press the [I/⏻] button to turn on the main power.
2. The message “SOURCE” or “MIC” appears.  
Repeat step 1 to toggle between “SOURCE” and “MIC”.  
SOURCE: normal mode  
MIC: mode that output audio from mic input.

### INITIALIZE MODE

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

#### (a) SHIPMENT MODE

\* Procedure:

1. While pressing the [TUNING MODE] and [DIMMER] buttons, press the [I/⏻] button to turn on the main power.
2. The message “CLEARING” appears and the memories are reset to the default values.
3. When done, the message “CLEARED” appears, the set will power off.

#### (b) ALL CLEAR INITIALIZE

\* Procedure:

1. While pressing the [TUNING MODE] and [MUTING] buttons, press the [I/⏻] button to turn on the main power.
2. The message “CLEARING” appears and the memories are reset to the default values.
3. When done, the message “CLEARED” appears, the set will power on.

#### (c) USER INITIALIZE

\* Procedure:

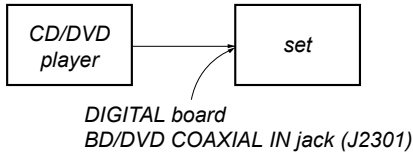
1. Hold the [I/⏻] button for 5 seconds.
2. The message “CLEARING” appears on the display.
3. After few seconds, “CLEARED” appears.

**SPDIF UPDATE MODE**

User plays the CD that contains u-com/DSP data with CD/DVD player.

Update u-com/DSP etc. firmware from SPDIF input.

**Connection:**



\* Procedure:

Normal case

1. While pressing [INPUT MODE] and [MUTING] button, press the [I/⏻] button to turn on the main power.
2. The messages "UPDATE" and "PLAY. DISC" are displayed alternately every one second.  
After this step, all user operation is prohibited except power off. To cancel this mode, power off or AC power cord pull out is required.
3. Connect CD player to BD/DVD COAXIAL IN jack (J2301 on DIGITAL board), and play update CD.  
Update is started when DSP detect update signal. The message "UPDATING" is displayed blinks every one second. From this step, all user operation is prohibited. Power off is also prohibited.
4. While main u-com is being updated, fluorescent indicator tube is blacked out for few minutes.
5. When update data error is detected or disc is not matched with target model, error messages "DISC ERR" and "PLAY. DISC" are displayed to restart playing valid CD.  
When flash writing error is happened, error messages "UPT. ERR" and "PLAY. DISC" are displayed to restart playing CD.
6. When all update is finished, set is reboot automatically.  
After reboot, complete message "COMPLETE" is displayed (displayed continuously until any user operation).

\* Procedure:

- After update is abnormal exit, and set is power on again
1. Enter update mode automatically after power on.
  2. The messages "UPDATE" and "PLAY. DISC" are displayed alternately every one second.  
From this step, all user operation is prohibited. Power off is also prohibited.  
If main u-com was failed to update, nothing is displayed.
  3. Connect CD player to BD/DVD COAXIAL IN jack (J2301 on DIGITAL board), and play update CD.  
Update is started when DSP detect update signal. From this, same as normal case.

**SPDIF UPDATE VERSION**

Function that displays the version number to check whether SPDIF update is necessary or not.

\* Procedure:

1. While pressing [INPUT MODE] and [DISPLAY] button, press the [I/⏻] button to turn on the main power.
2. The message "VER X.XXX" is displayed. "X.XXX" is calculated by adding all firmware version.  
Example:  
(MAIN ver. + DSP ver. + HDMI ver. + 7)/10 =  
Displayed version  
MAIN = 1.02, DSP = 1.01, HDMI = 1.00  
↓  
(1.02 + 1.01 + 1.00 + 1.03 + 7)/10 = 1.006  
1.006 = X.XXX

**SPDIF UPDATE TEST**

Function that checks hardware error for SPDIF update. This test takes about 15 seconds.

\* Procedure:

1. While pressing [INPUT MODE] and [DIMMER] buttons, press the [I/⏻] button to turn on the main power.
2. The message "TESTING" is displayed.
3. When abnormality is not found, the message "COMPLETE" will display.
4. Communication error between others devices micro-controller and DSP, the messages "UART" and "ERROR" are displayed. Communication error between HDMI microcomputer and DSP, the messages "HDMI" and "ERROR" are displayed. Communication error between MAIN MICOM and DSP, the messages "VIDEO" and "ERROR" are displayed. Unknown error, the messages "UNKNOWN" and "ERROR" are displayed.
5. To release from this mode, AC power cord pull out.

**HISTORY MODE**

\* The state that the set is used is memorized.

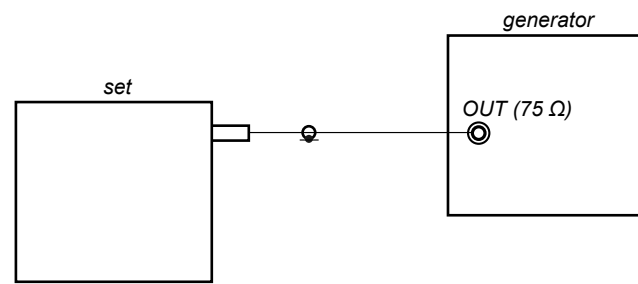
\* Procedure:

1. While depressing the [INPUT MODE] and the [MUSIC] 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	Display
Protector Count	COUNT XX
Total Single Power On Time	XXXXXXHXX01
Sound Field	SND FLD
Input Function	FUNCTION
Input Mode	INP MODE
Digital Select	DIG IN
Stream Information	STREAM
Signal Configuration	CO XXXXX
Headphone	HP XXX
Volume	VOL XX
Bass	BASS XXX
Treble	TREB XXX
Level FL/FR	F XXXXXX
Level SL/SR	S XXXXXX
Level CT/SW	CWXXXXXXXX
Level BL/BR	B XXXXXX
Level LH/RH	H XXXXXX
Total Power ON Time	XXXXXXHXX02
Muting	MUTE XXX
Power ON Counter (Rebox Test Mode)	REBX.XXXX
Protector Type	PROTXXXX
Temperature Record	TEM XXXX

### SECTION 3 FM TUNER 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 : 35 dBu (EMF)

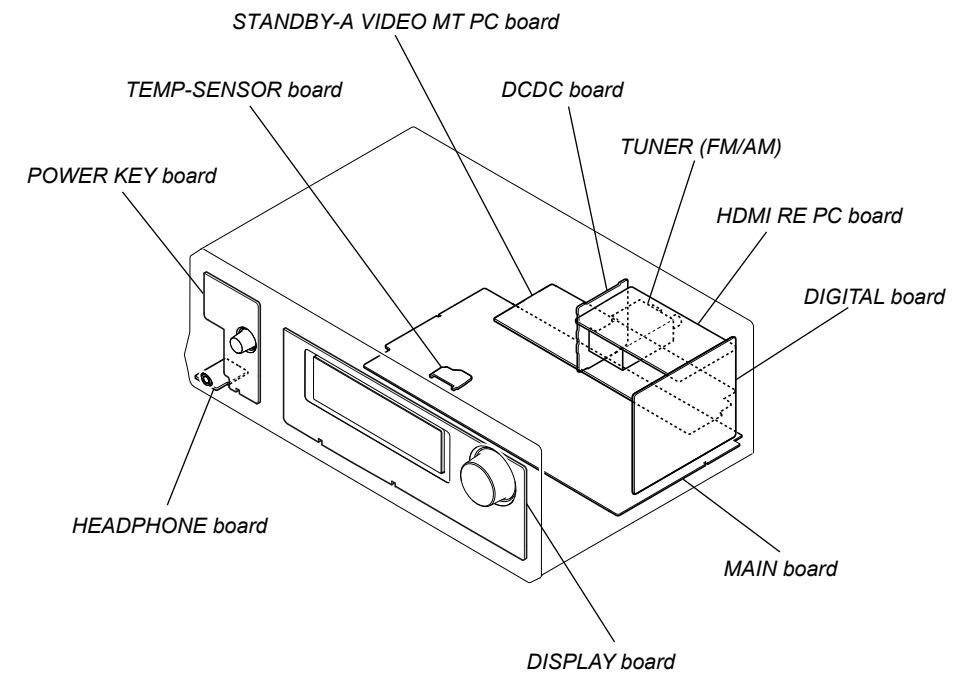
**Note:** Use 75 ohm "coaxial cable" to connect SG and the set.  
 You cannot use video cable for checking.  
 Please use SG whose output impedance is 75 ohm.

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.

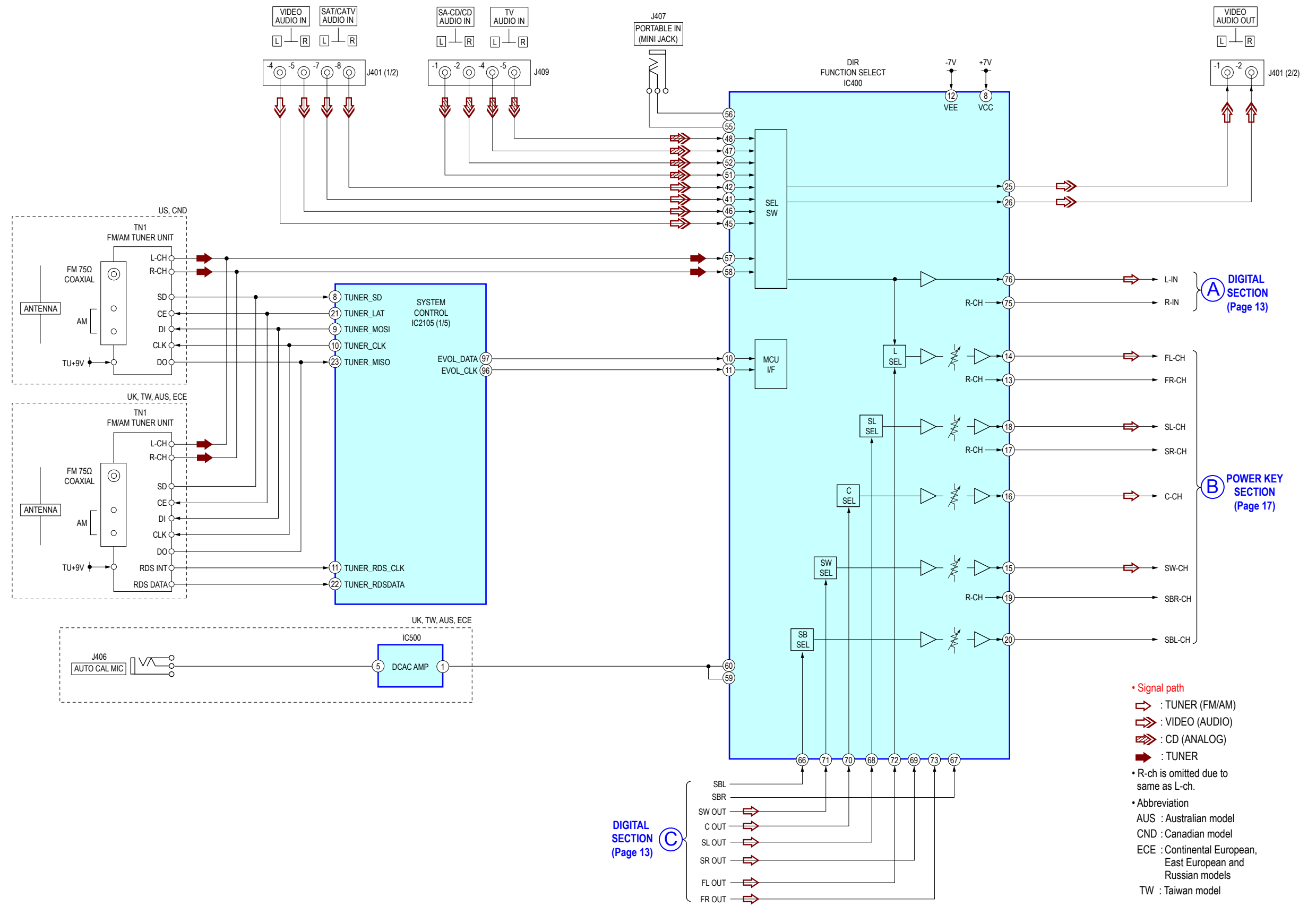
The stop of automatic scanning means "The station signal is received in good condition."

### SECTION 4 DIAGRAMS

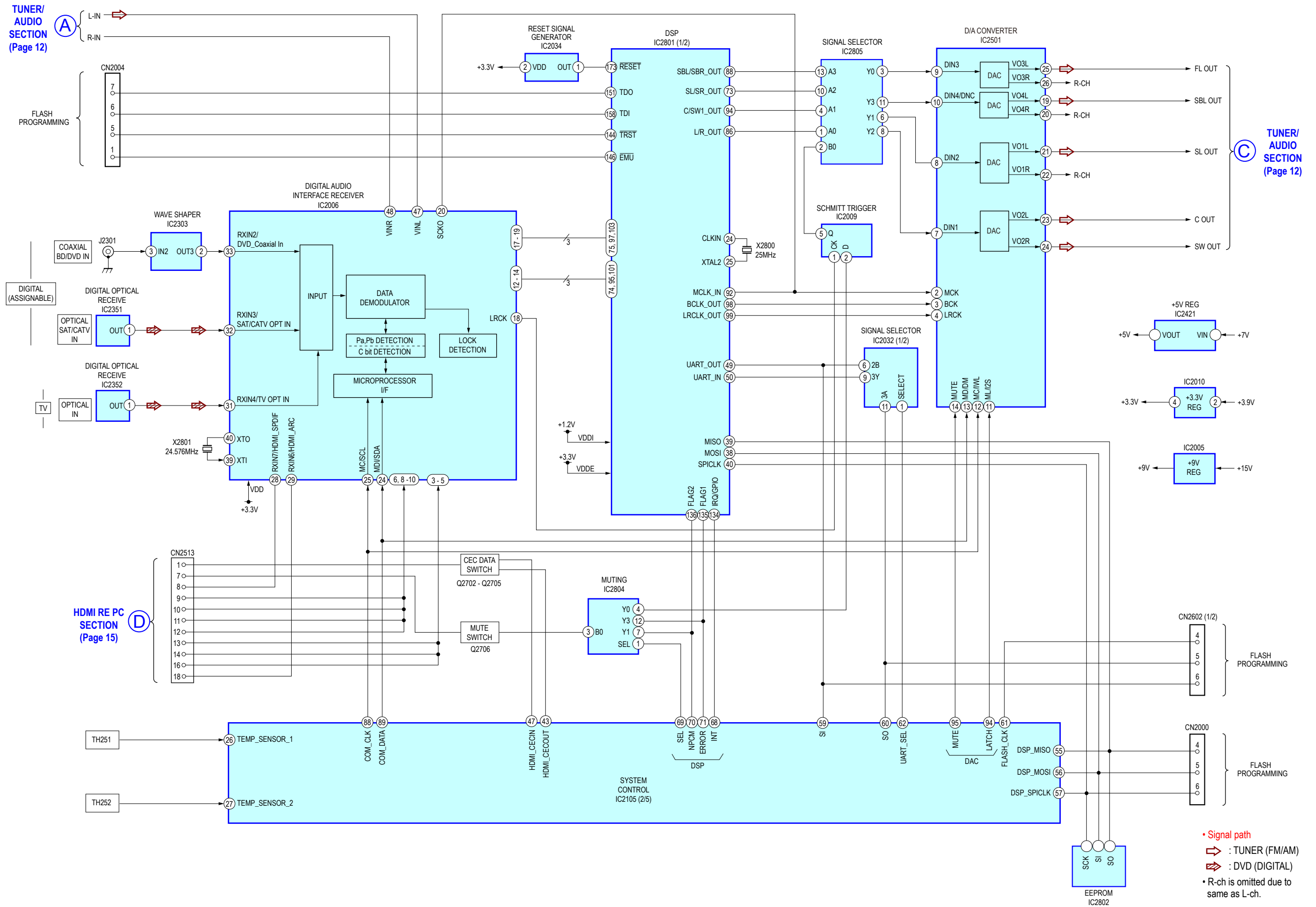
• Circuit Boards Location



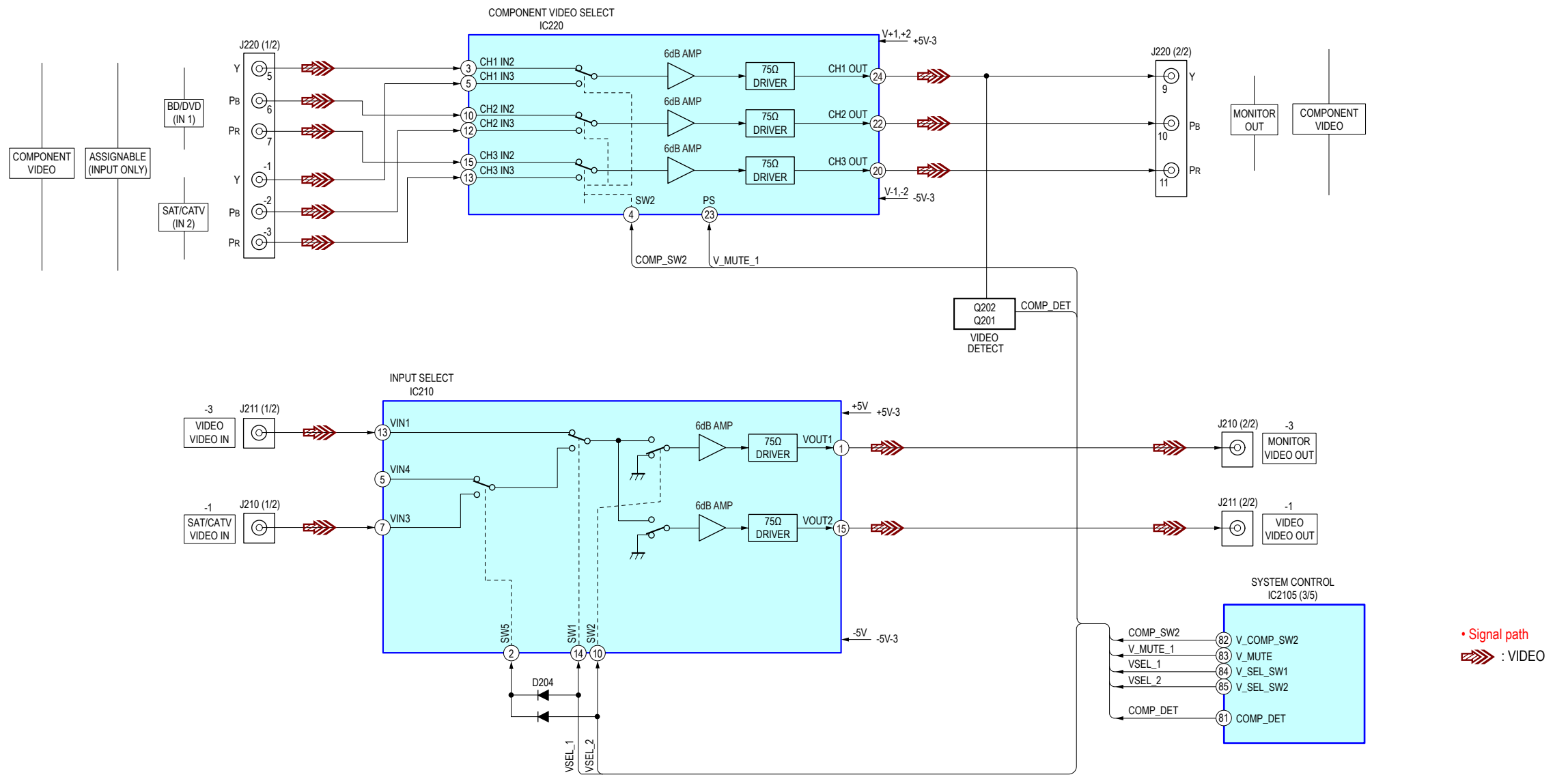
4-1. BLOCK DIAGRAM – TUNER/AUDIO Section –



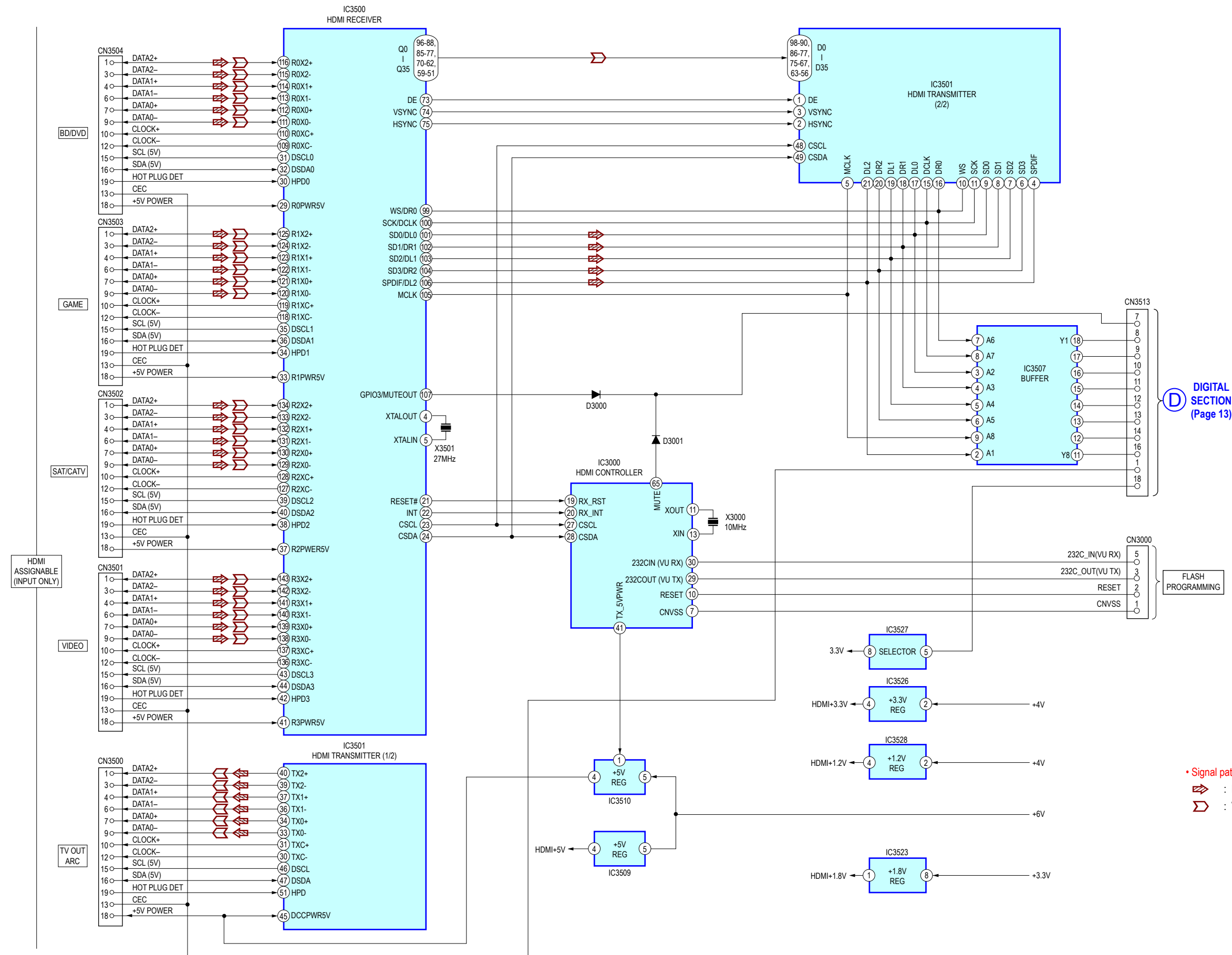
4-2. BLOCK DIAGRAM – DIGITAL Section –



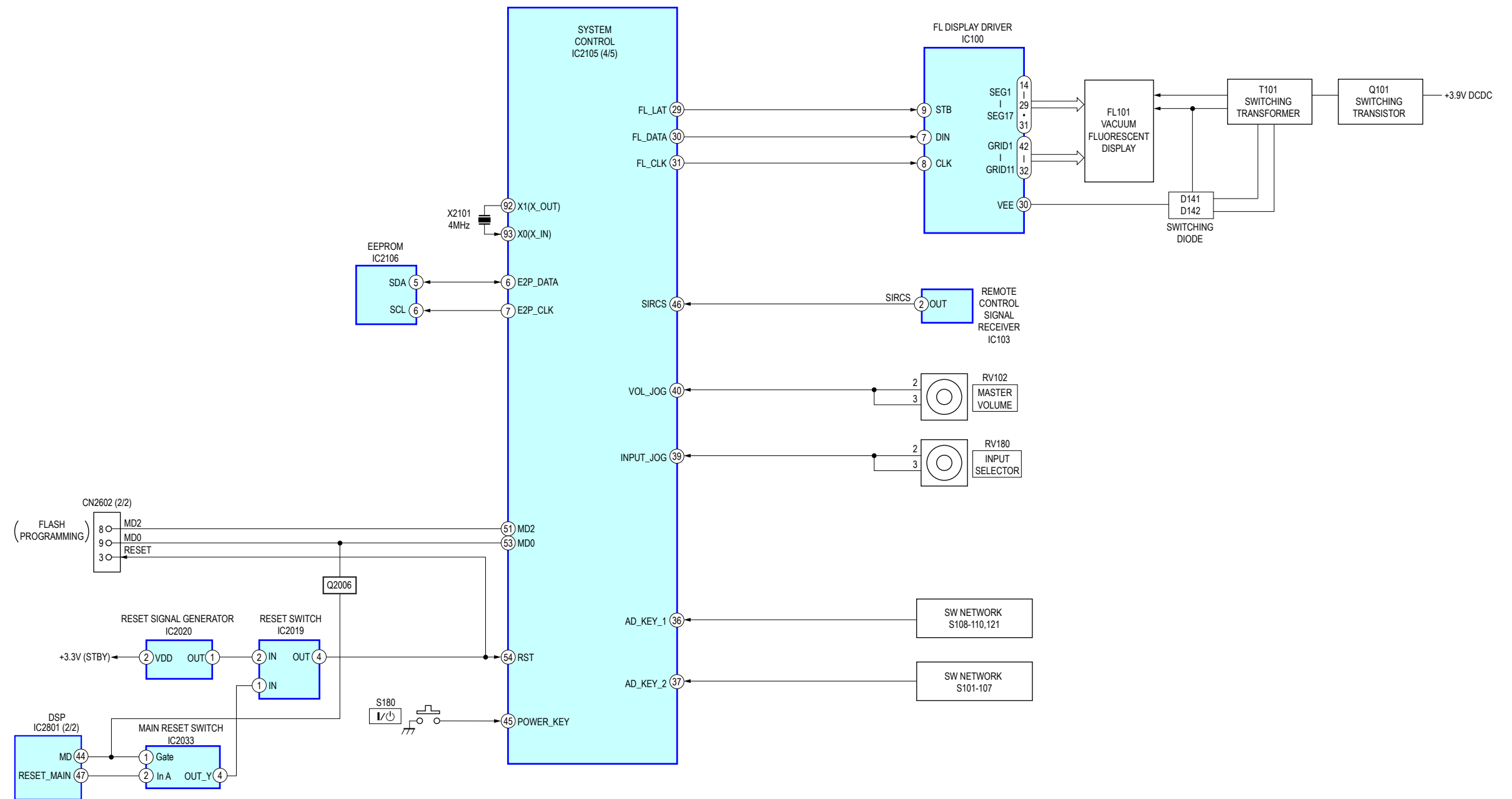
4-3. BLOCK DIAGRAM – STANDBY-A VIDEO MT PC Section –



4-4. BLOCK DIAGRAM – HDMI RE PC Section –



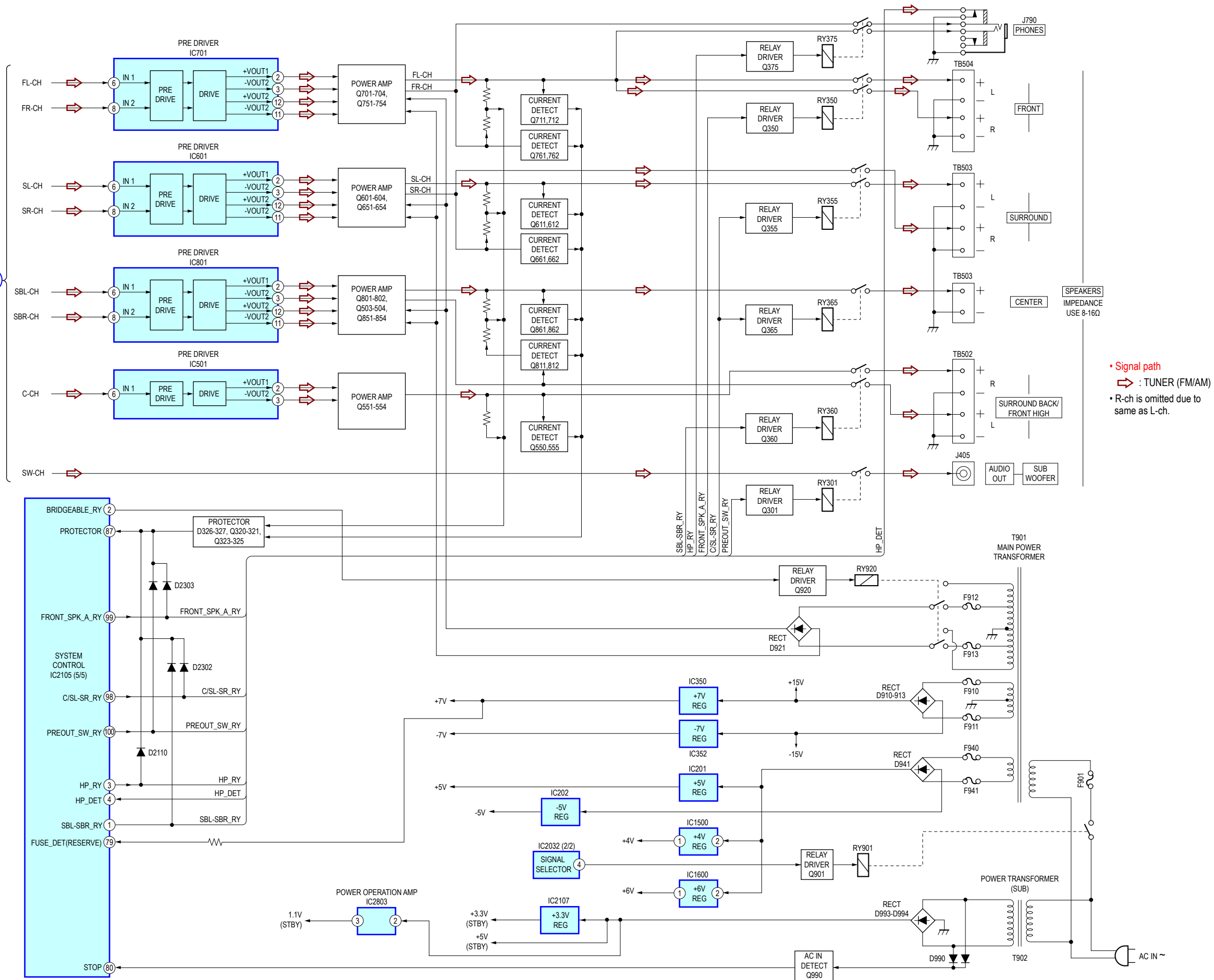
4-5. BLOCK DIAGRAM – KEY/DISPLAY Section –





4-6. BLOCK DIAGRAM – POWER KEY Section –

TUNER/  
AUDIO  
SECTION  
(Page 12)



• Signal path  
• TUNER (FM/AM)  
• R-ch is omitted due to same as L-ch.

**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.
- △ : internal component.
- : Pattern from the side which enables seeing.

**Caution:**

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

**Abbreviation**

- AUS : Australian model
- CND : Canadian model
- ECE : Continental European, East European and Russian models
- TW : Taiwan model

**For Schematic Diagrams.**

**Note:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ⊞ : nonflammable resistor.
- ⊞ : fusible resistor.
- : panel designation.

**Note:**

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

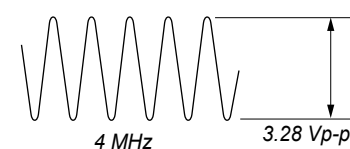
**Note:**

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

- : B+ Line.
- - - : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark: FM
- Voltages are taken with VOM (Input impedance 10 M $\Omega$ ). 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.
  - ⇨ : TUNER (FM/AM)
  - ⇨⇨ : VIDEO (AUDIO)
  - ⇨⇨⇨ : VIDEO
  - ⇨⇨⇨⇨ : DVD (DIGITAL)
  - ⇨⇨⇨⇨⇨ : CD (ANALOG)
- Abbreviation
  - AUS : Australian model
  - CND : Canadian model
  - ECE : Continental European, East European and Russian models
  - TW : Taiwan model

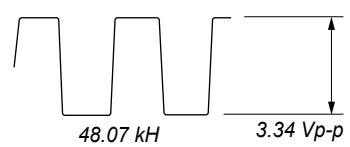
**Waveforms**  
 – DIGITAL Board –

① IC2105 ② (X1(X\_OUT))



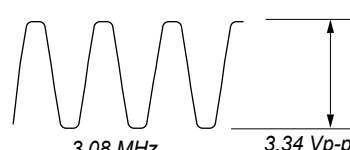
500 mV/DIV, 100 nsec/DIV

② IC2006 ⑩ (LRCK)



500 mV/DIV, 5 usec/DIV

③ IC2006 ⑨ (BCK)



500 mV/DIV, 100 nsec/DIV

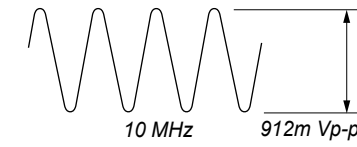
– HDMI RE PC Board –

④ IC3500 ④ (XTALOUT)



100 mV/DIV, 10 nsec/DIV

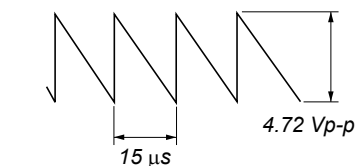
⑤ IC3000 ⑪ (XOUT)



200 mV/DIV, 25 nsec/DIV

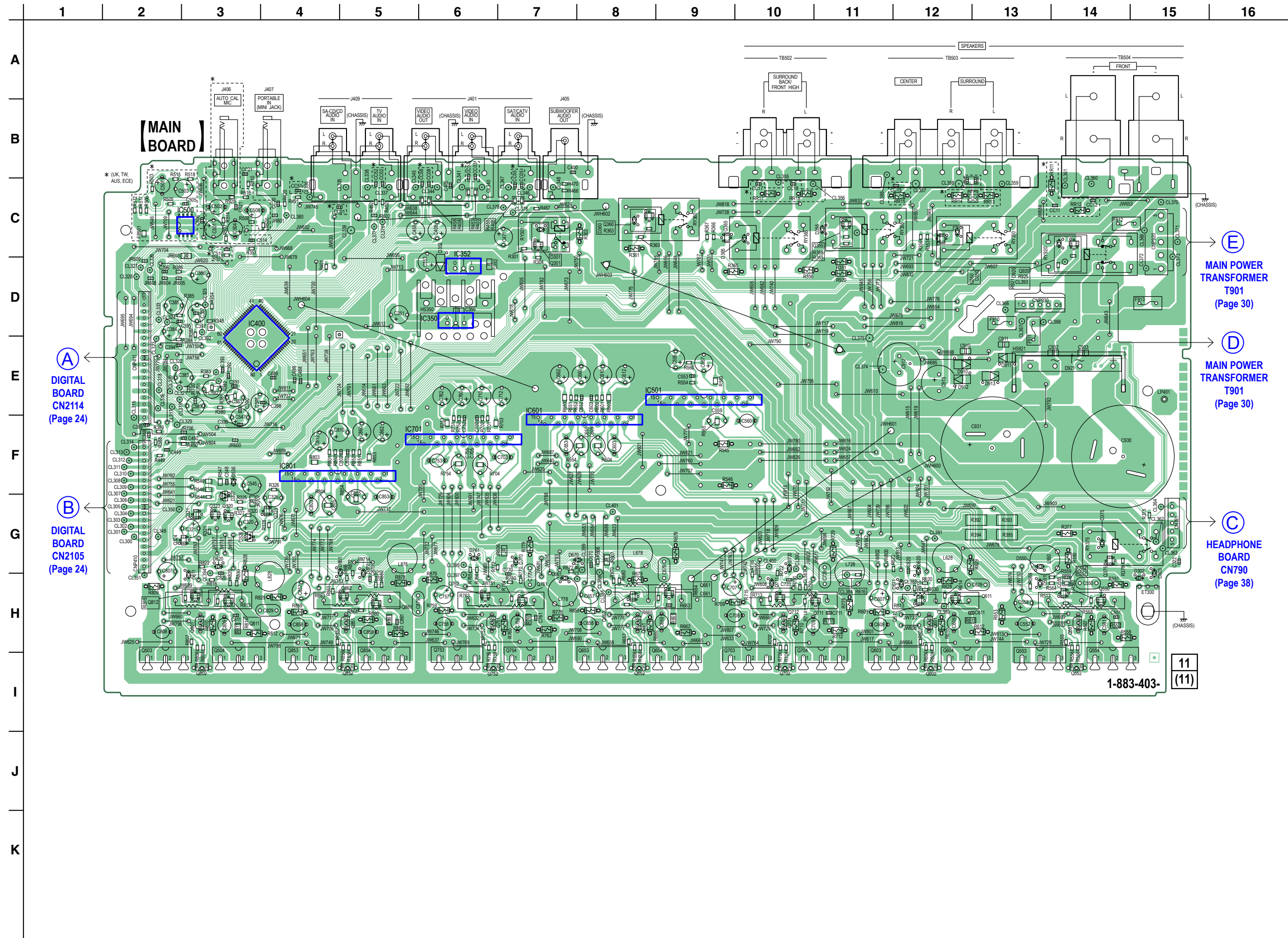
– DISPLAY Board –

⑥ IC100 ⑤ (OSC)



1 V/DIV, 5 μsec/DIV

4-7. PRINTED WIRING BOARD – MAIN Board – • See page 11 for Circuit Boards Location. • : Uses unleaded solder.



**(A)**  
DIGITAL BOARD  
CN2114  
(Page 24)

**(B)**  
DIGITAL BOARD  
CN2105  
(Page 24)

**(E)**  
MAIN POWER TRANSFORMER  
T901  
(Page 30)

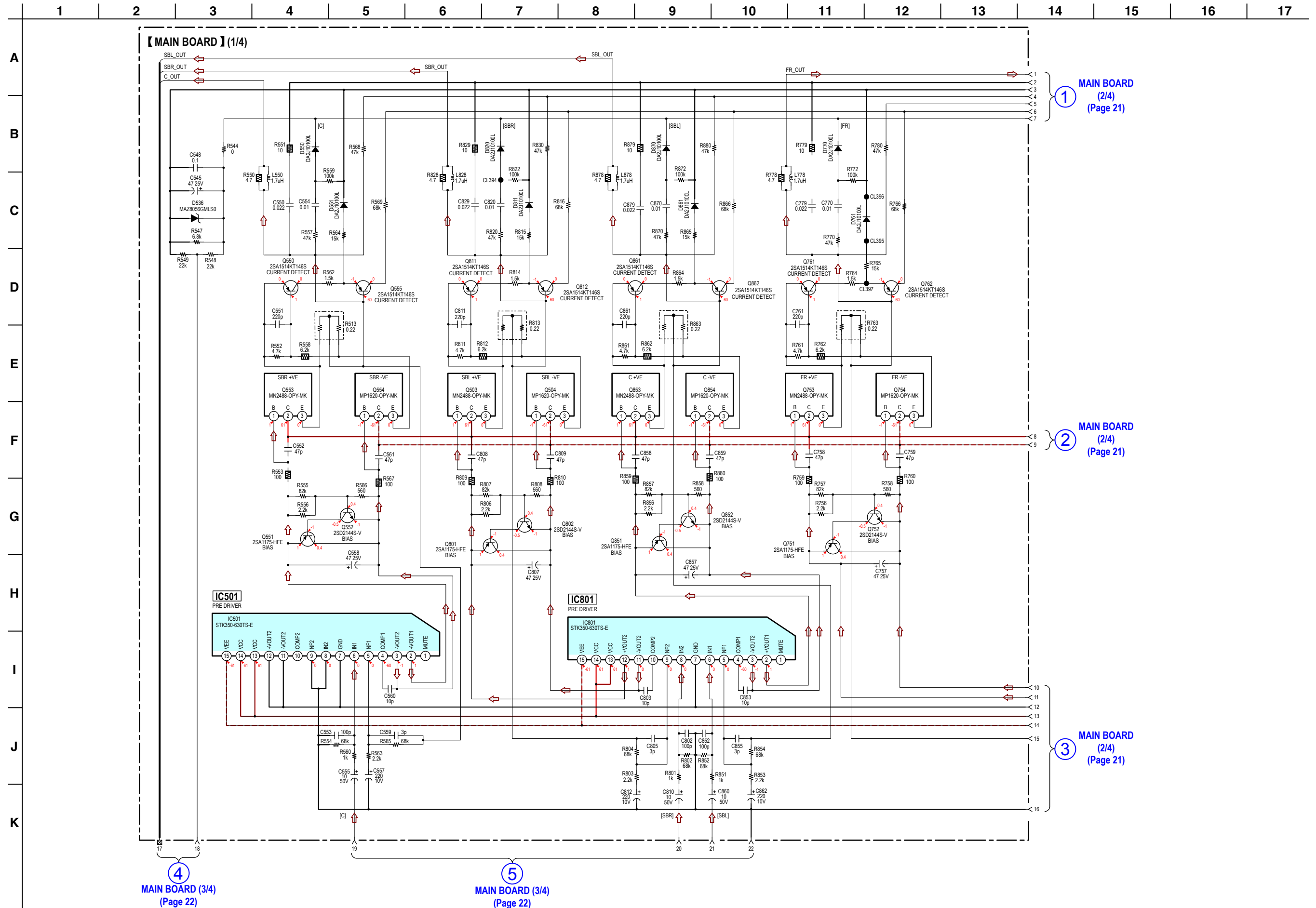
**(D)**  
MAIN POWER TRANSFORMER  
T901  
(Page 30)

**(C)**  
HEADPHONE BOARD  
CN790  
(Page 38)

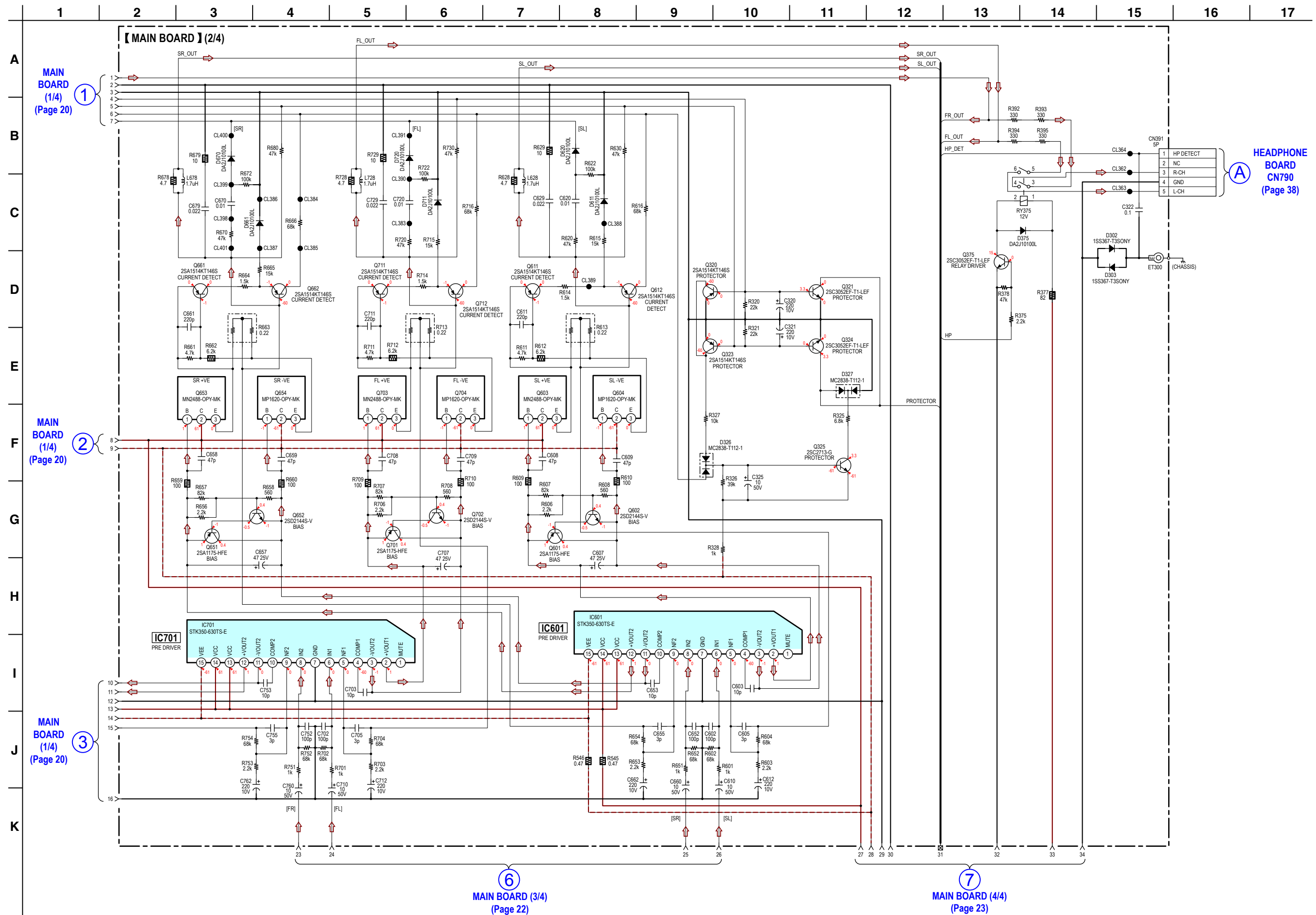
**11**  
**(11)**

1-883-403-

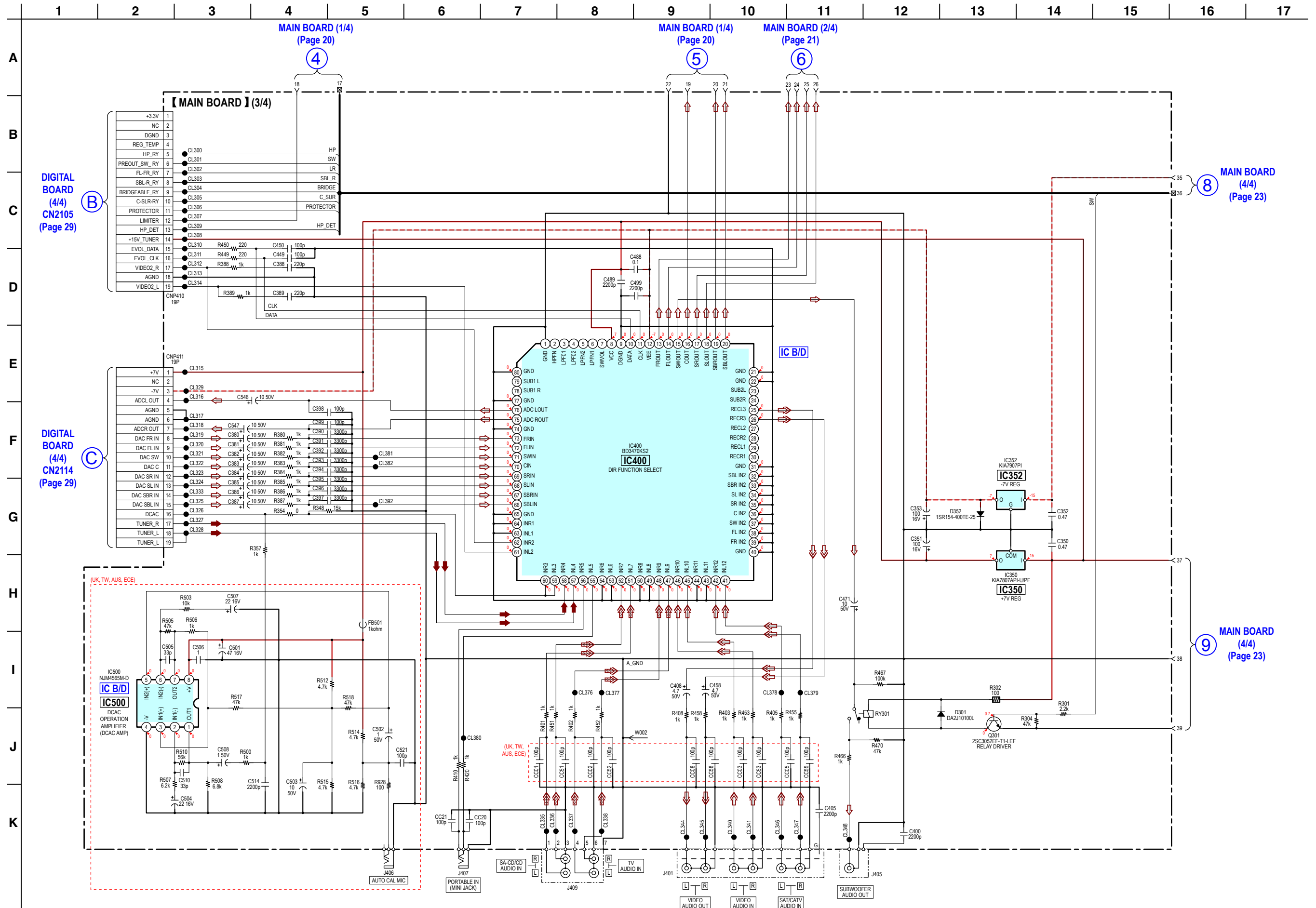
4-8. SCHEMATIC DIAGRAM – MAIN Board (1/4) –



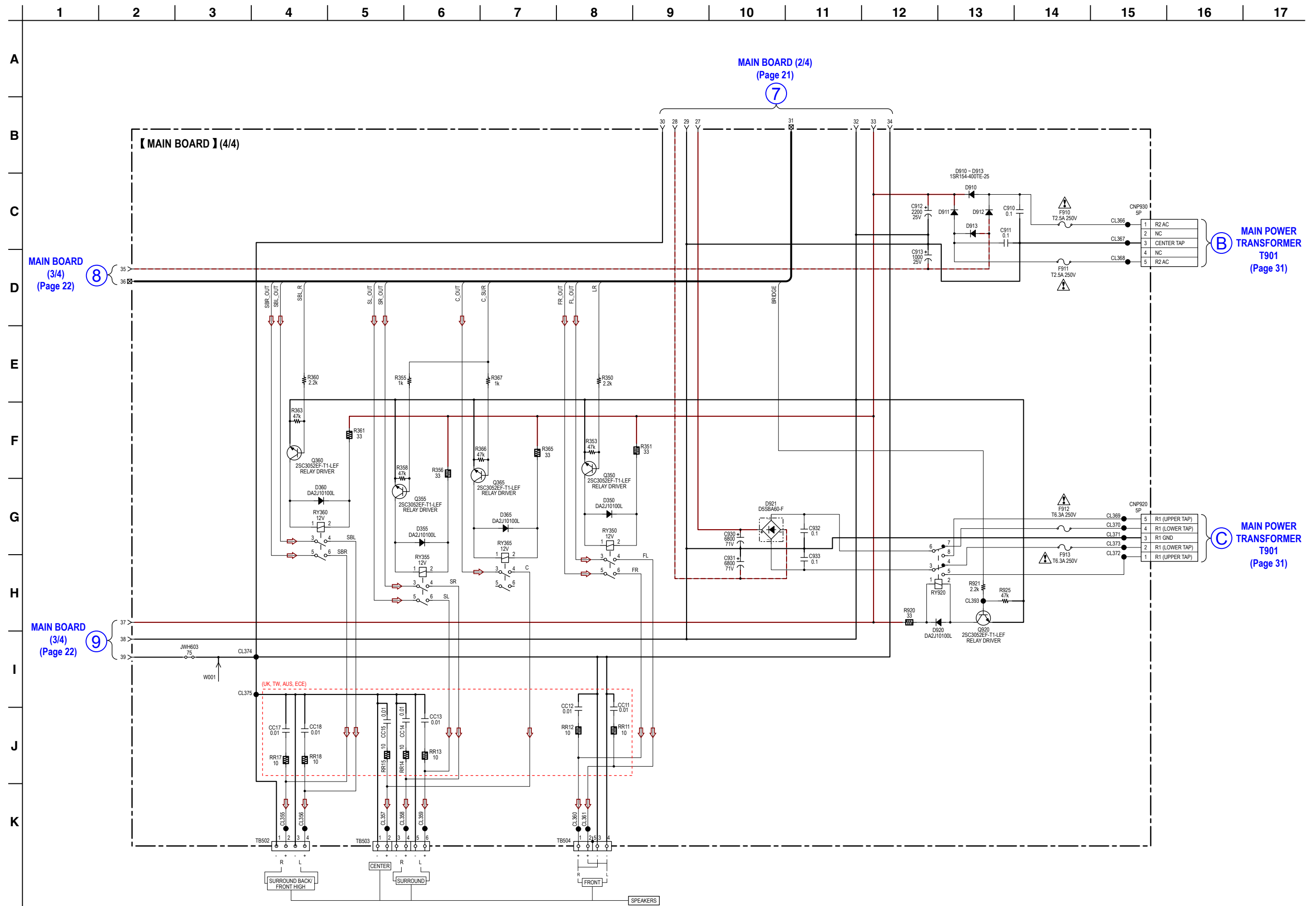
4-9. SCHEMATIC DIAGRAM – MAIN Board (2/4) –



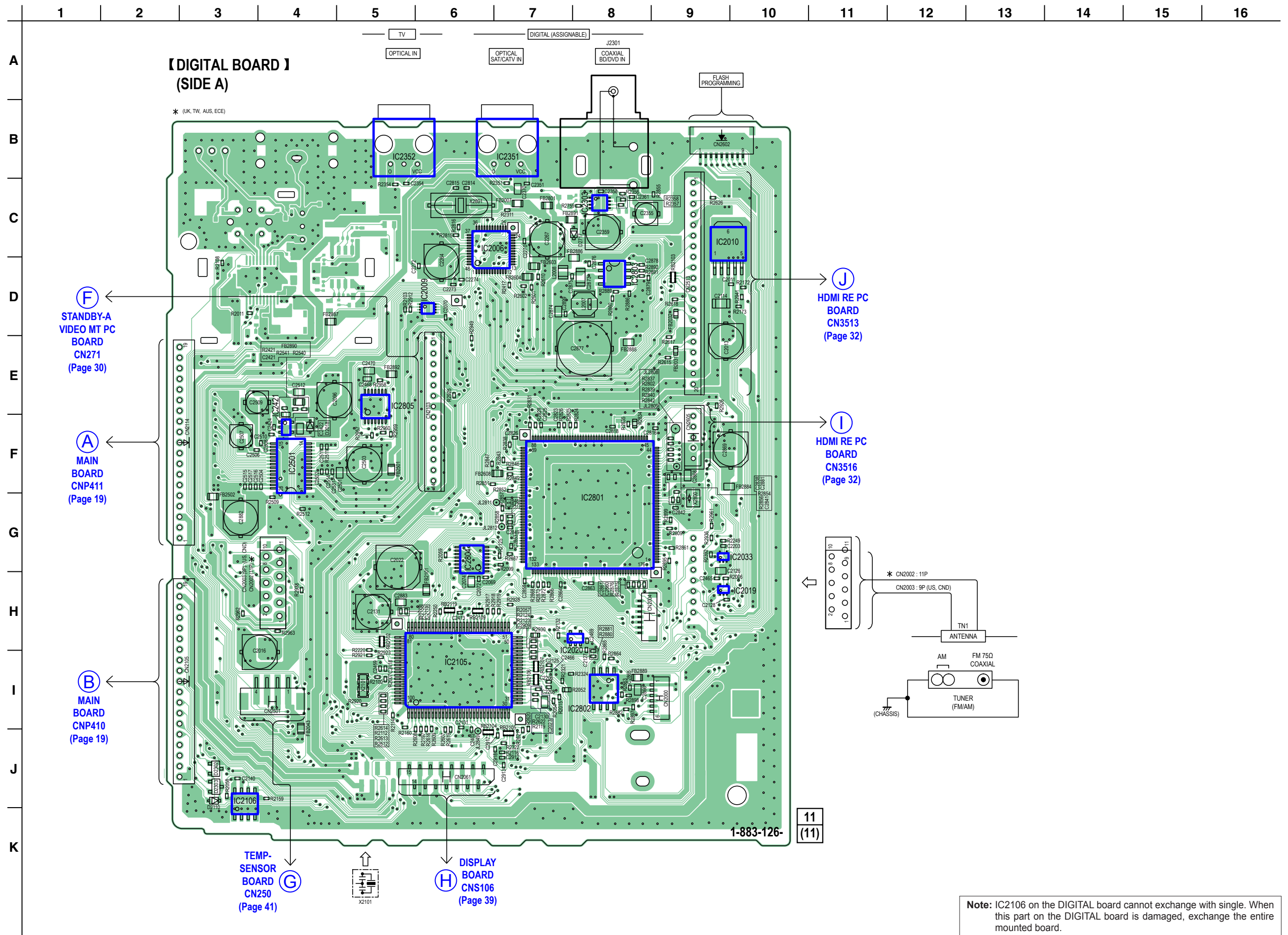
4-10. SCHEMATIC DIAGRAM – MAIN Board (3/4) – • See page 45 and 46 for IC Block Diagrams.



4-11. SCHEMATIC DIAGRAM – MAIN Board (4/4) –



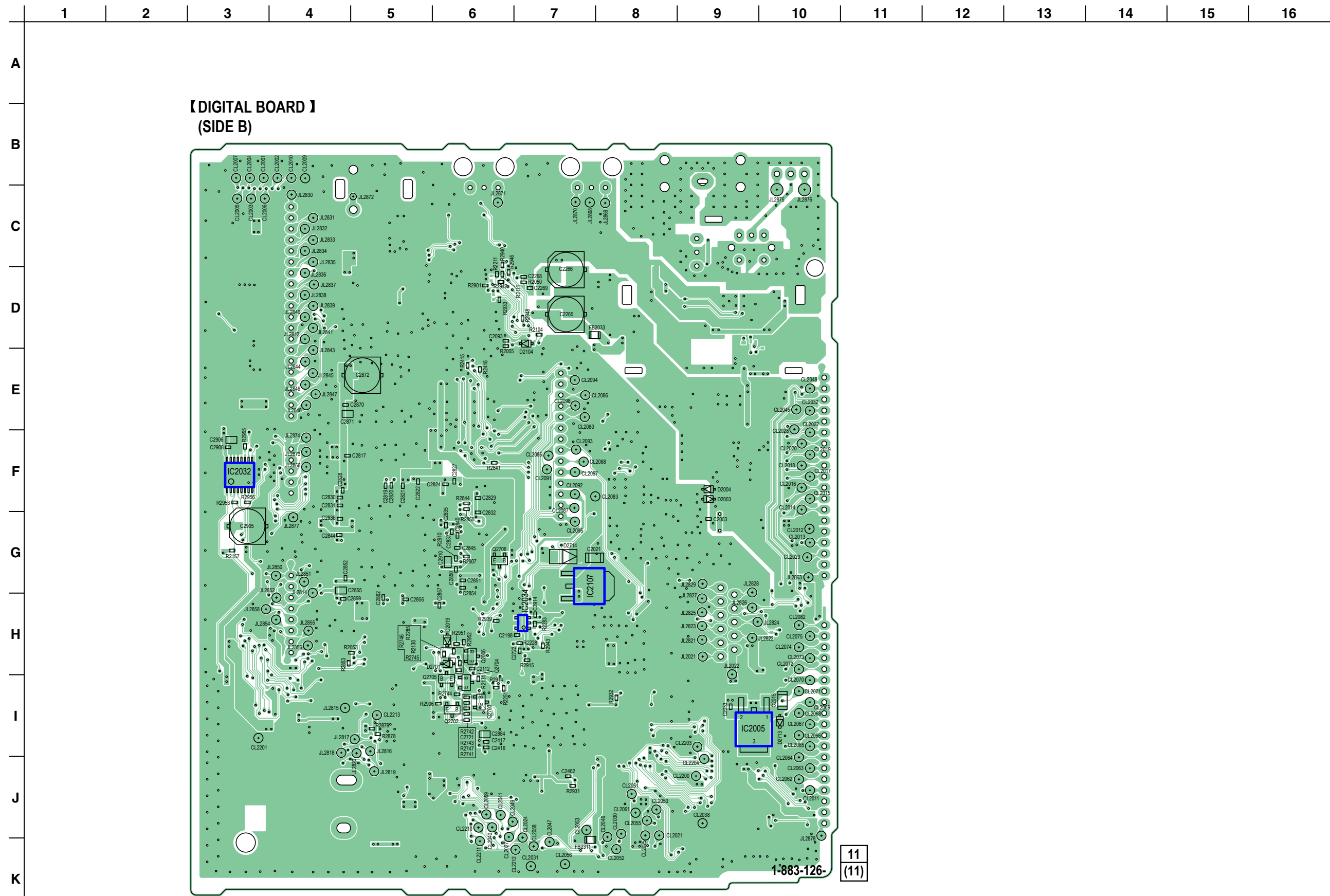
4-12. PRINTED WIRING BOARD – DIGITAL Board (Side A) – • See page 11 for Circuit Boards Location. • : Uses unleaded solder.



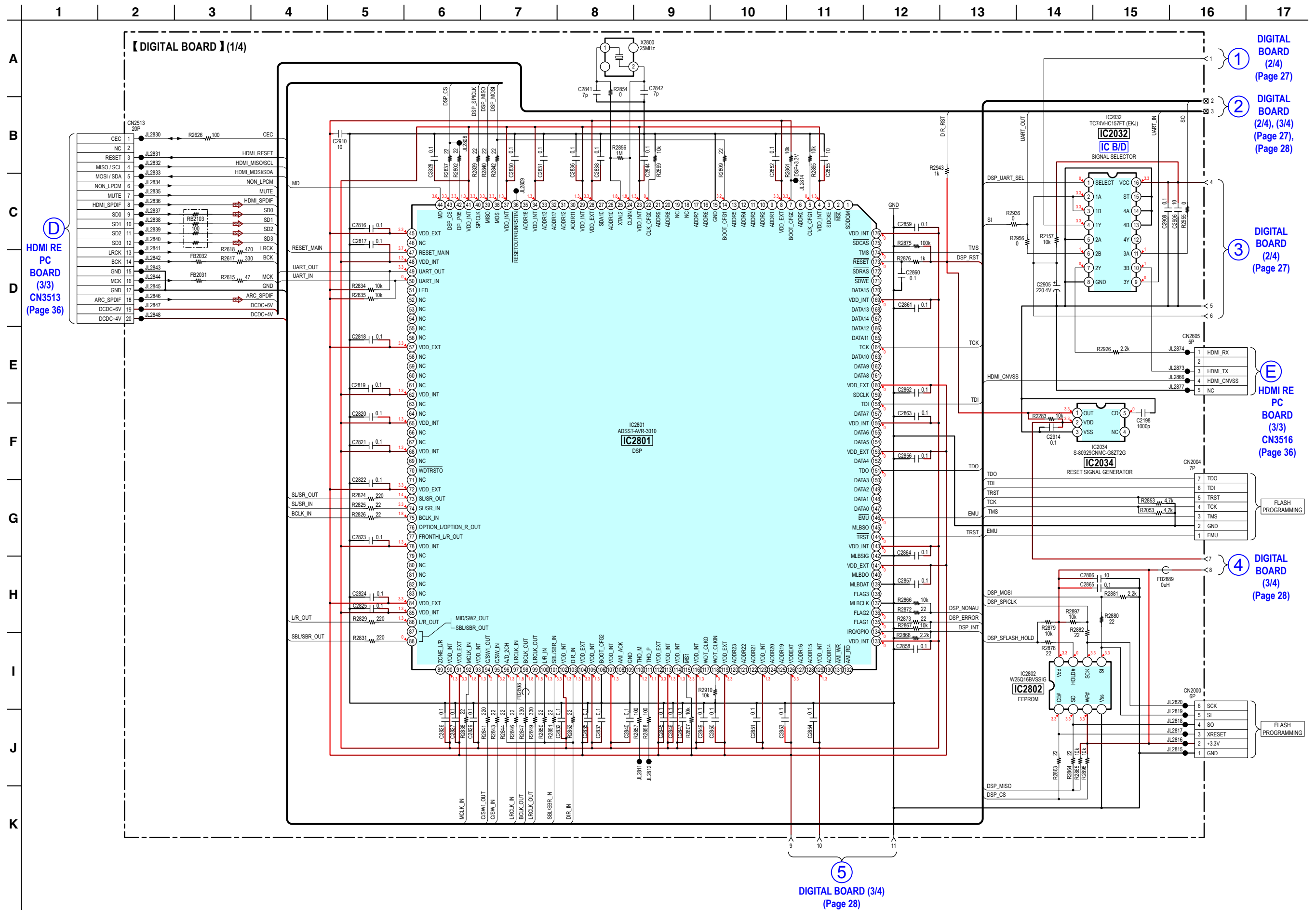
Note: IC2106 on the DIGITAL board cannot exchange with single. When this part on the DIGITAL board is damaged, exchange the entire mounted board.



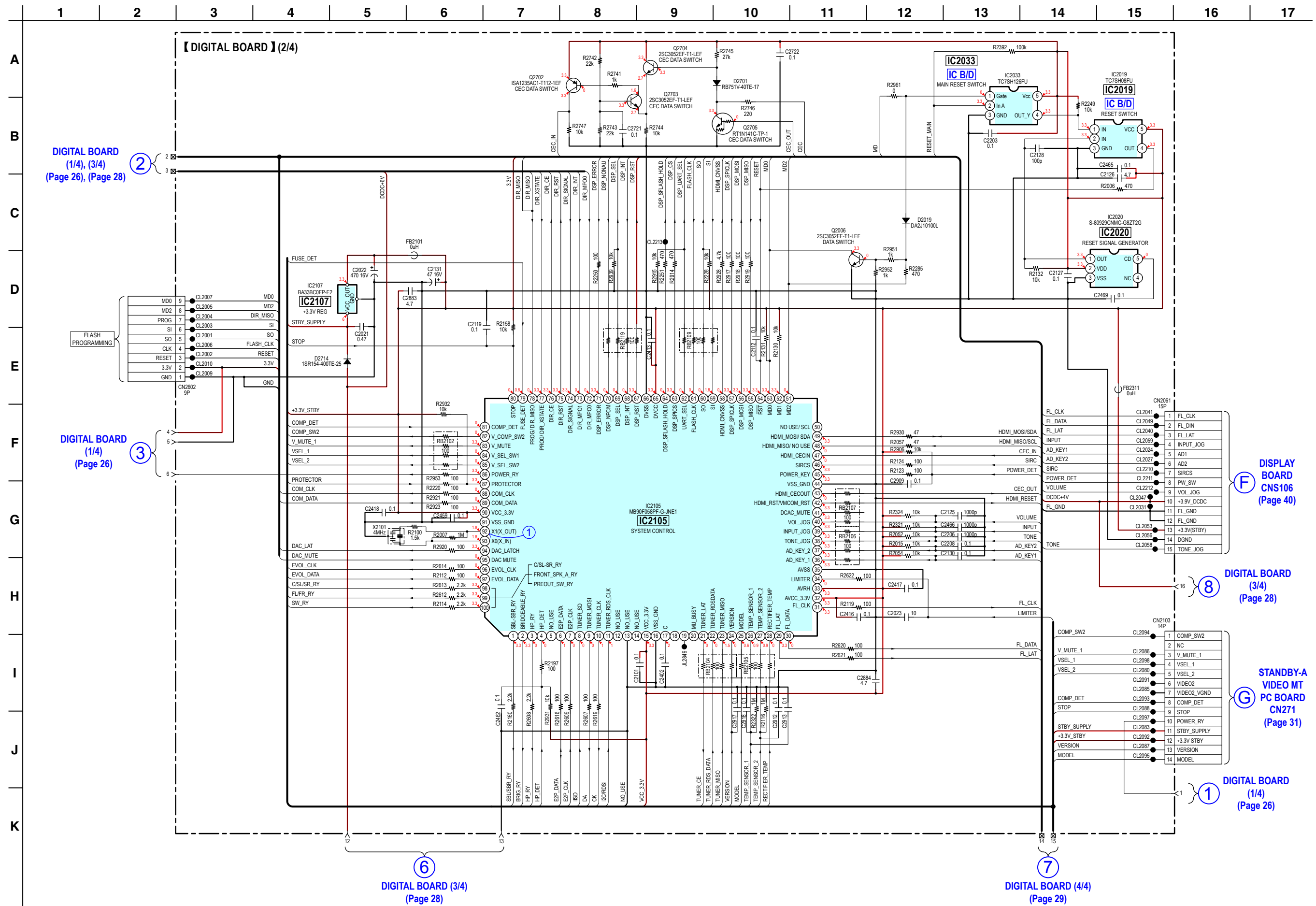
4-13. PRINTED WIRING BOARD – DIGITAL Board (Side B) – • See page 11 for Circuit Boards Location. • : Uses unleaded solder.



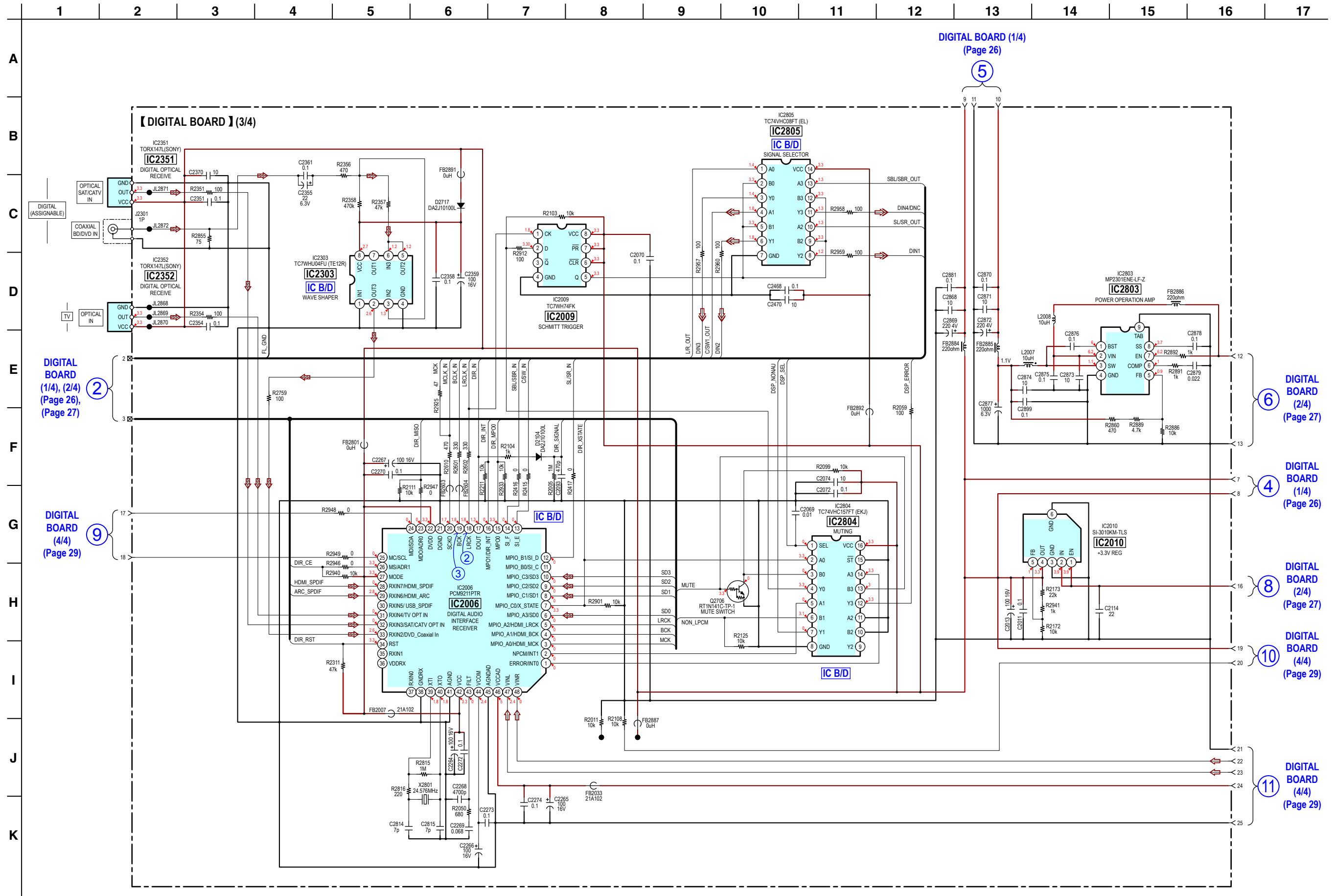
4-14. SCHEMATIC DIAGRAM – DIGITAL Board (1/4) – • See page 43 for IC Block Diagrams. • See page 49 to 52 for IC Pin Function Descriptions.



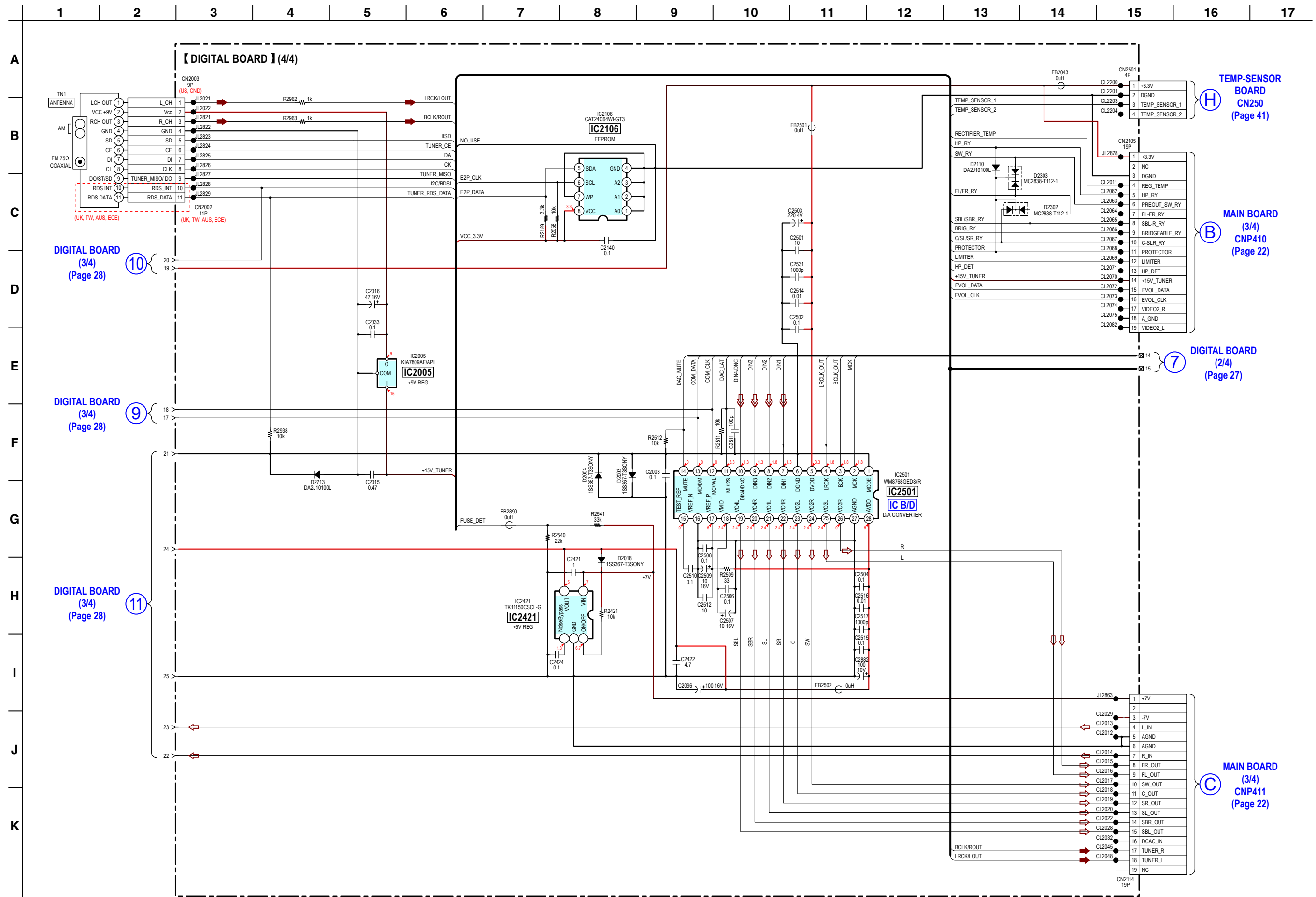
4-15. SCHEMATIC DIAGRAM – DIGITAL Board (2/4) – • See page 18 for Waveforms. • See page 42 and 43 for IC Block Diagrams. • See page 47 and 48 for IC Pin Function Descriptions.



4-16. SCHEMATIC DIAGRAM – DIGITAL Board (3/4) – • See page 18 for Waveforms. • See page 42, 43 and 44 for IC Block Diagrams.

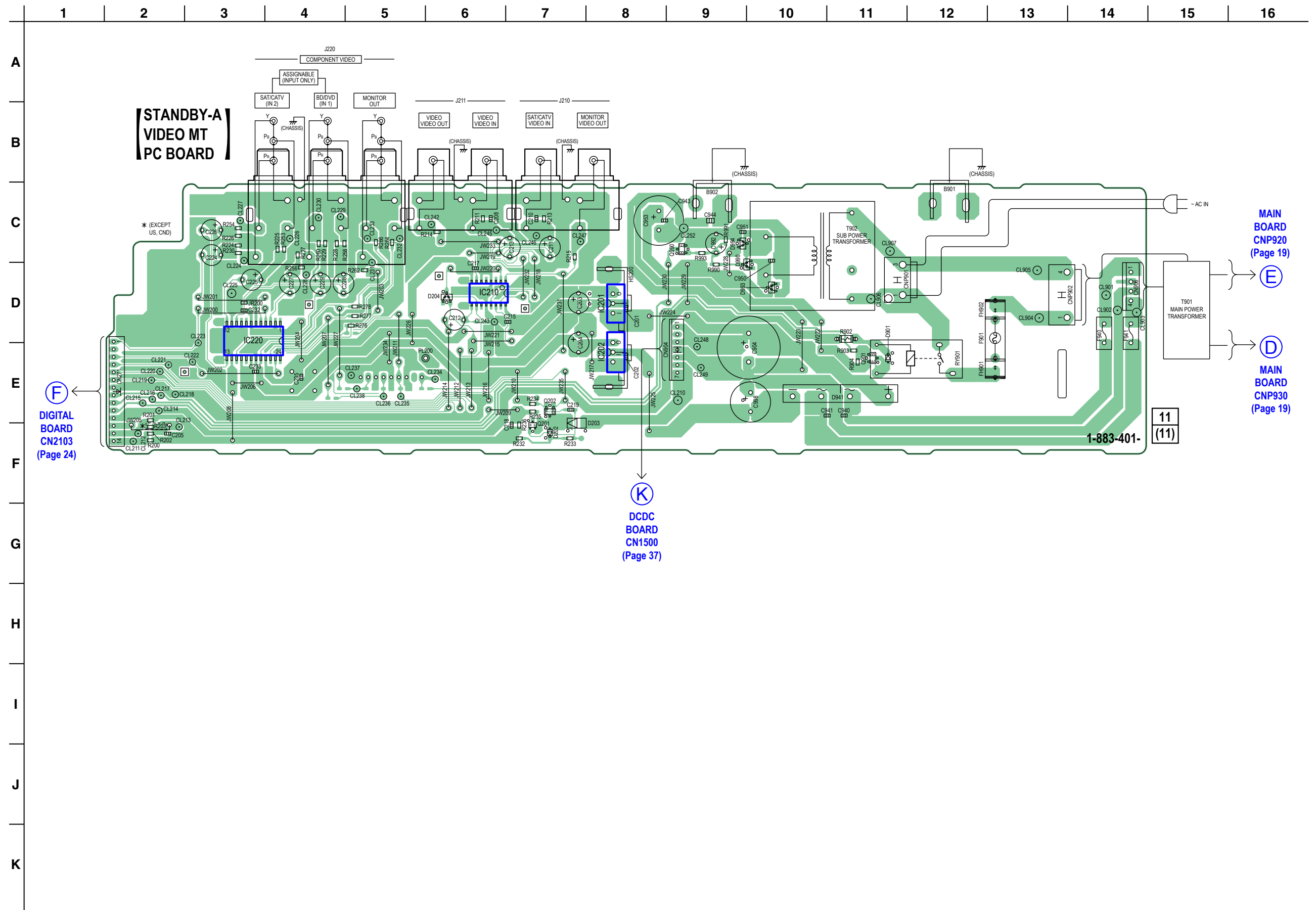


4-17. SCHEMATIC DIAGRAM – DIGITAL Board (4/4) – • See page 43 for IC Block Diagrams.

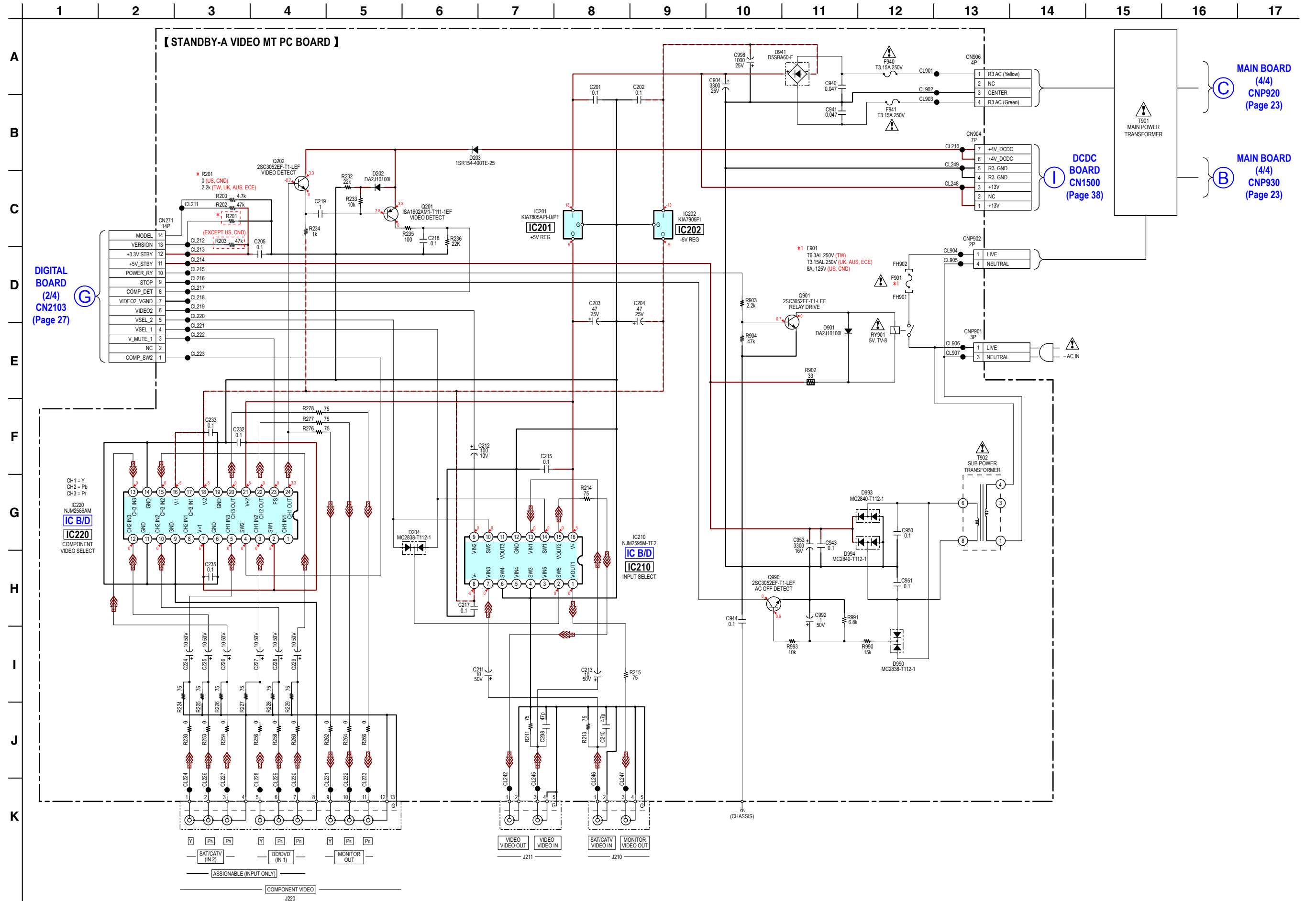


**Note:** IC2106 on the DIGITAL board cannot exchange with single. When this part on the DIGITAL board is damaged, exchange the entire mounted board.

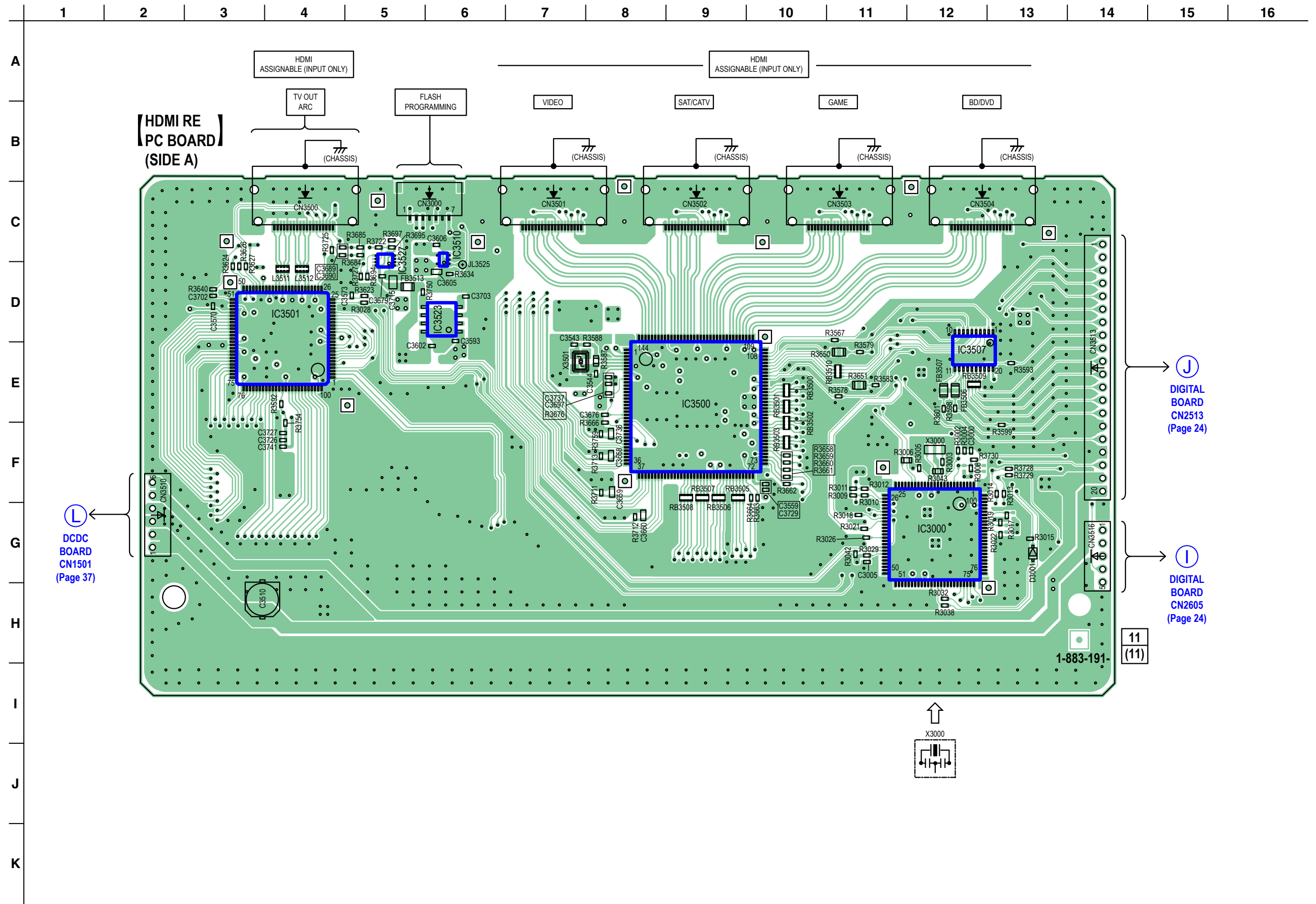
4-18. PRINTED WIRING BOARD – STANDBY-A VIDEO MT PC Board – • See page 11 for Circuit Boards Location. • : Uses unleaded solder.



4-19. SCHEMATIC DIAGRAM – STANDBY-A VIDEO MT PC Board – • See page 46 for IC Block Diagrams.




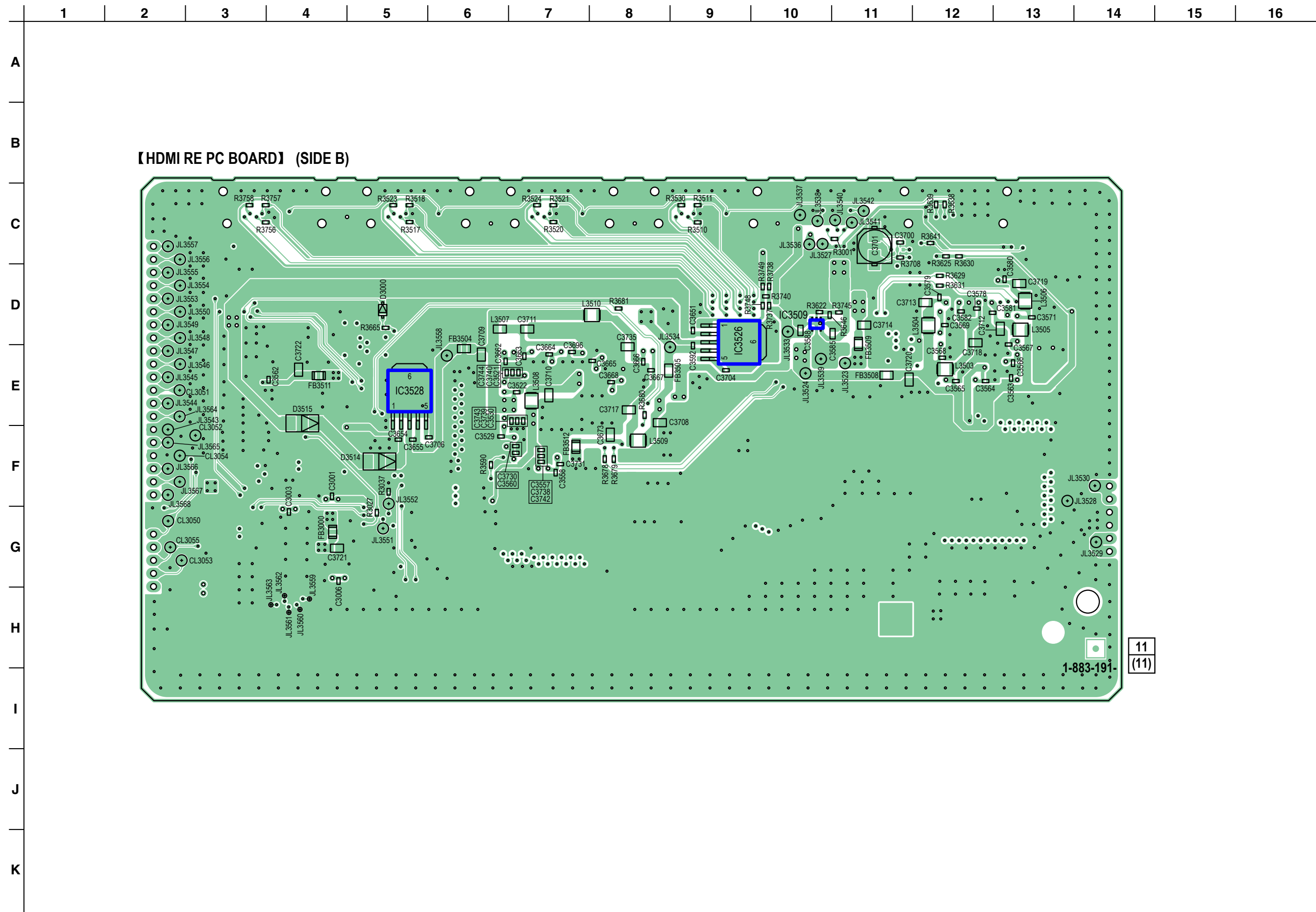
4-20. PRINTED WIRING BOARD – HDMI RE PC Board (Side A) – • See page 11 for Circuit Boards Location. • : Uses unleaded solder.



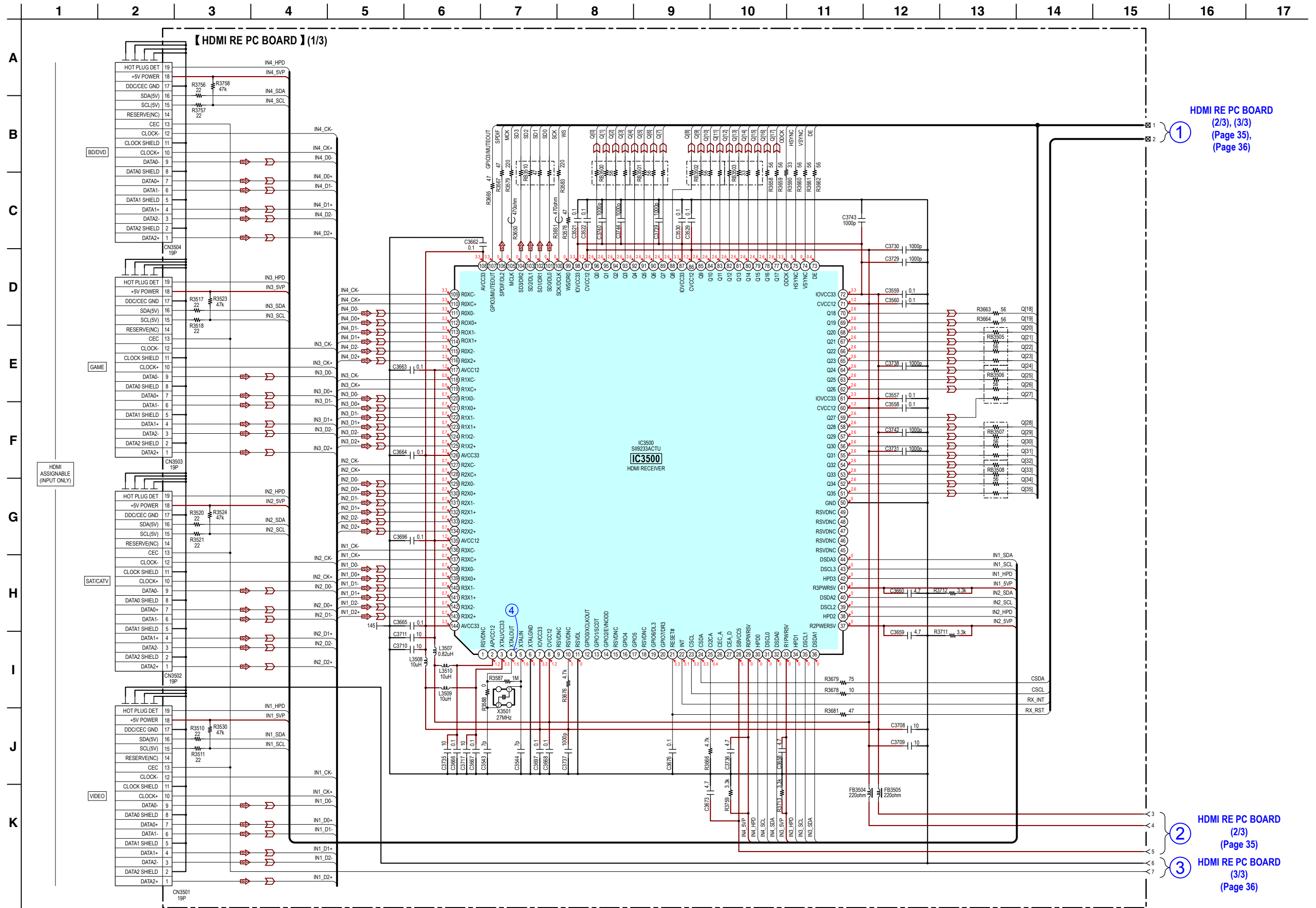
**Note:** IC3500 and IC3501 on the HDMI RE PC board cannot exchange with single. When these parts on the HDMI RE PC board are damaged, exchange the entire mounted board.



4-21. PRINTED WIRING BOARD – HDMI RE PC Board (Side B) – • See page 11 for Circuit Boards Location. • : Uses unleaded solder.



4-22. SCHEMATIC DIAGRAM – HDMI RE PC Board (1/3) – • See page 18 for Waveforms.



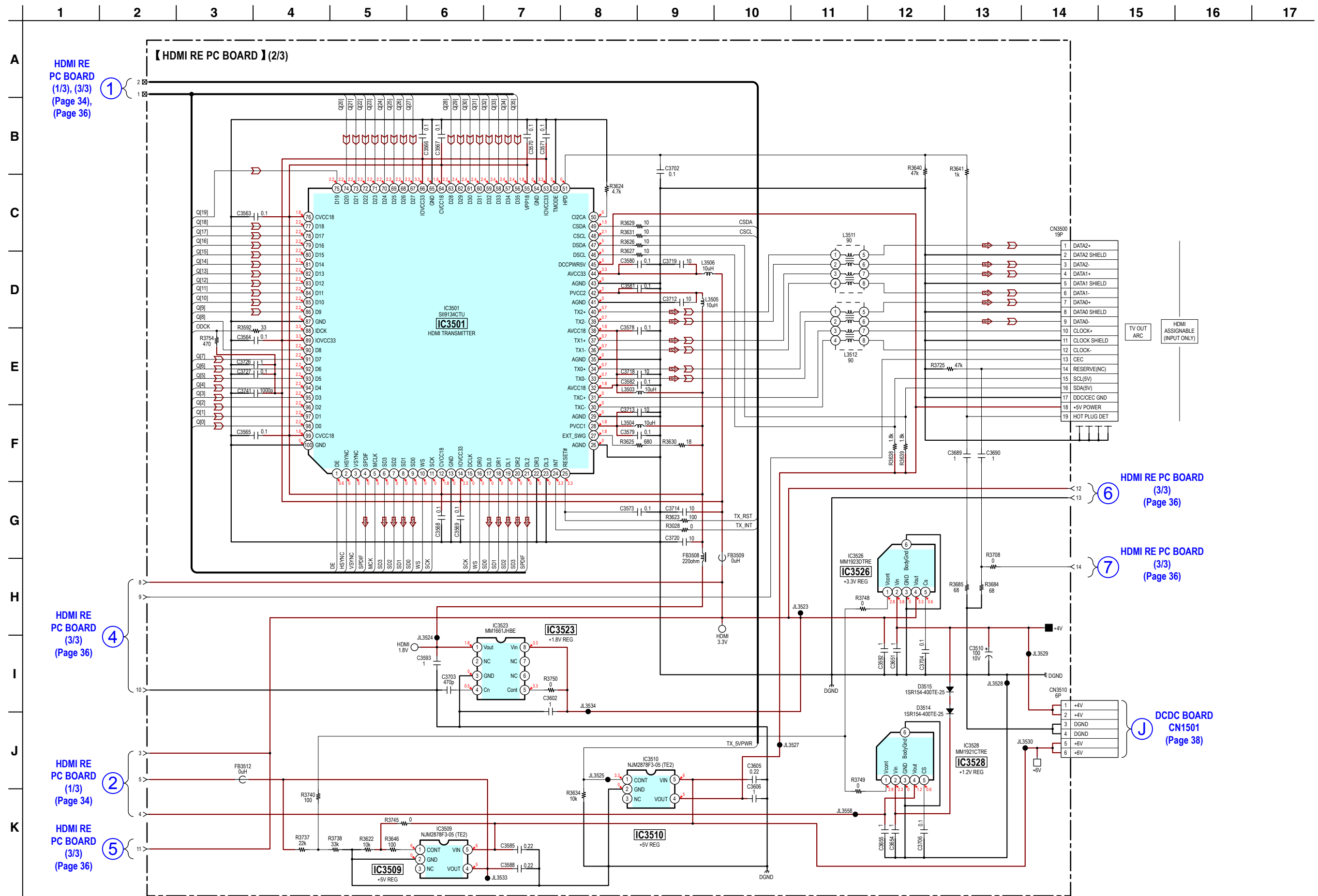
HDMI RE PC BOARD  
(2/3), (3/3)  
(Page 35),  
(Page 36)

HDMI RE PC BOARD  
(2/3)  
(Page 35)

HDMI RE PC BOARD  
(3/3)  
(Page 36)

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

4-23. SCHEMATIC DIAGRAM – HDMI RE PC Board (2/3) –



HDMI RE PC BOARD (1/3), (3/3) (Page 34), (Page 36)

HDMI RE PC BOARD (3/3) (Page 36)

HDMI RE PC BOARD (1/3) (Page 34)

HDMI RE PC BOARD (3/3) (Page 36)

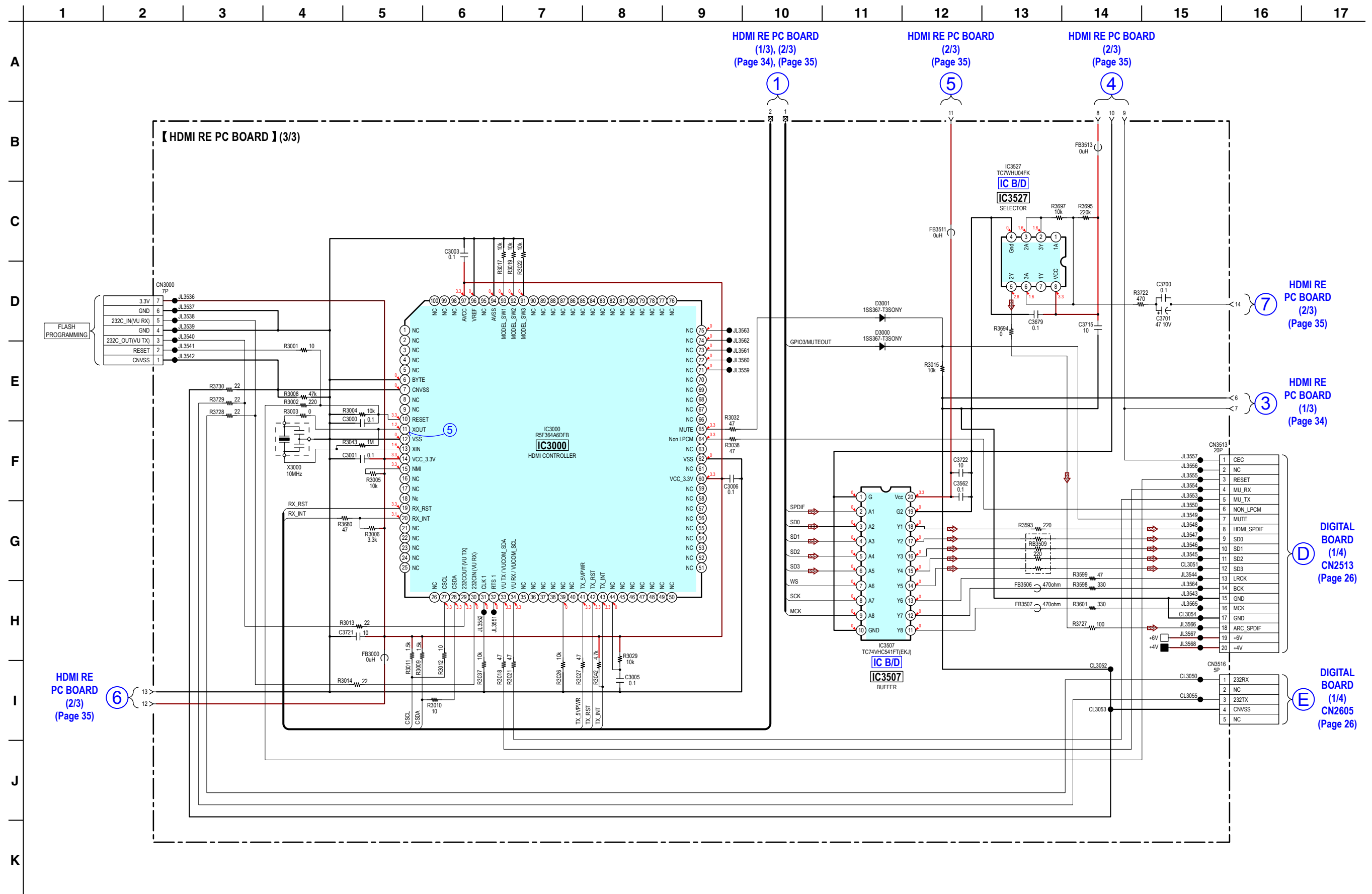
HDMI RE PC BOARD (3/3) (Page 36)

HDMI RE PC BOARD (3/3) (Page 36)

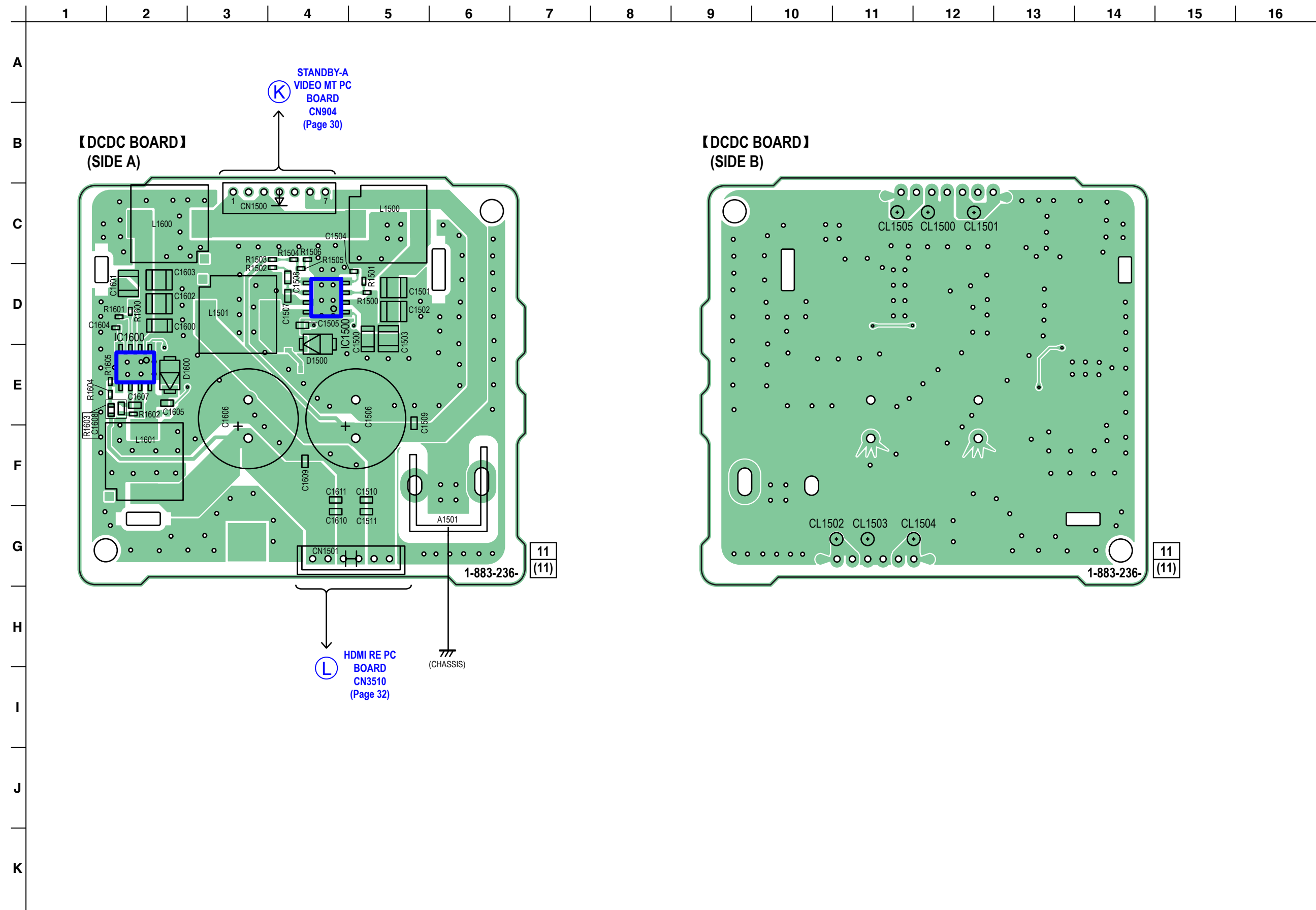
DCDC BOARD CN1501 (Page 38)

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

4-24. SCHEMATIC DIAGRAM – HDMI RE PC Board (3/3) – • See page 18 for Waveforms. • See page 45 for IC Block Diagrams.

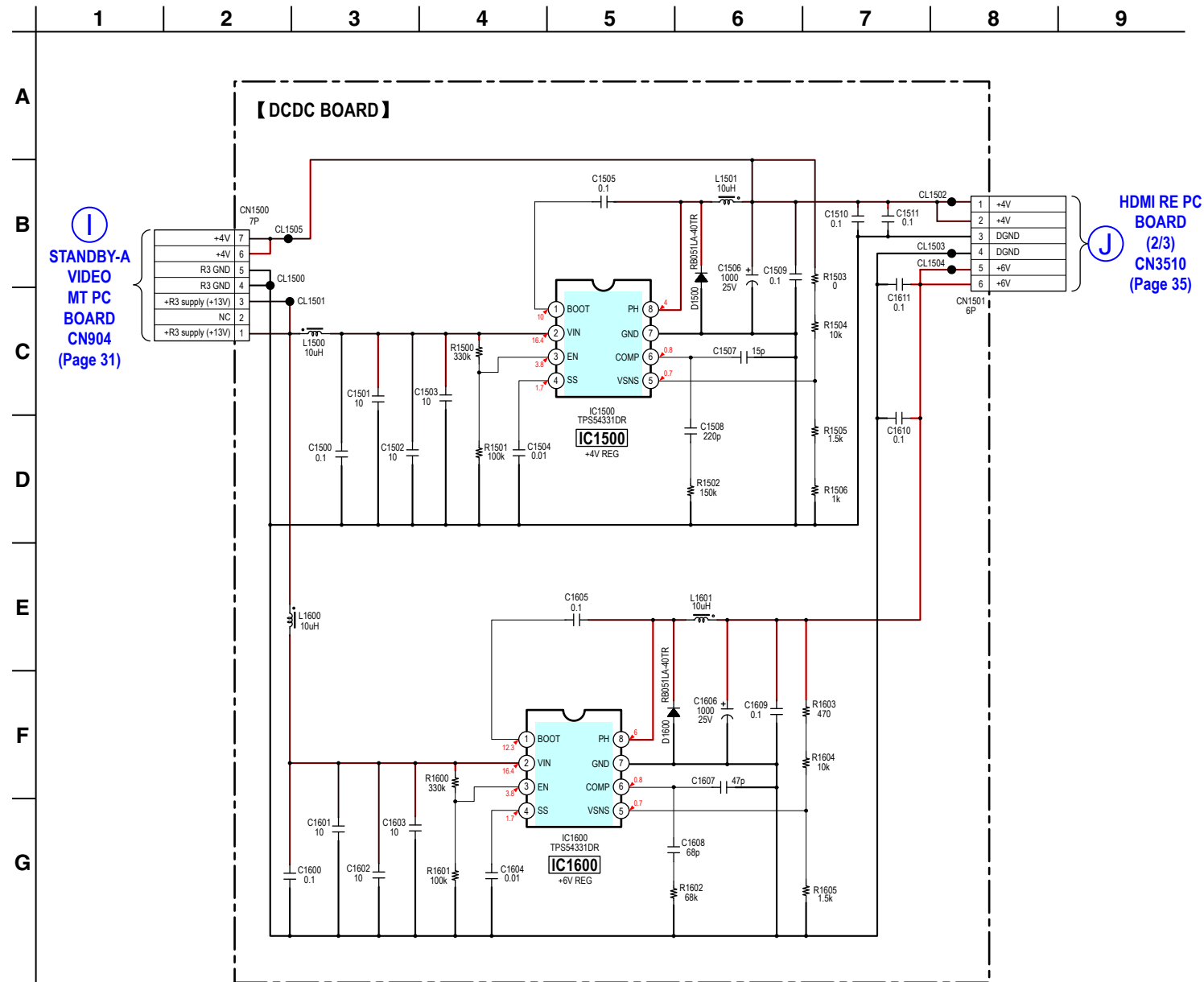


4-25. PRINTED WIRING BOARD – DCDC Board – • See page 11 for Circuit Boards Location. • : Uses unleaded solder.



**Note:** IC1500 and IC1600 on the DCDC board cannot exchange with single. When these parts on the DCDC board are damaged, exchange the entire mounted board.

4-26. SCHEMATIC DIAGRAM – DCDC Board –

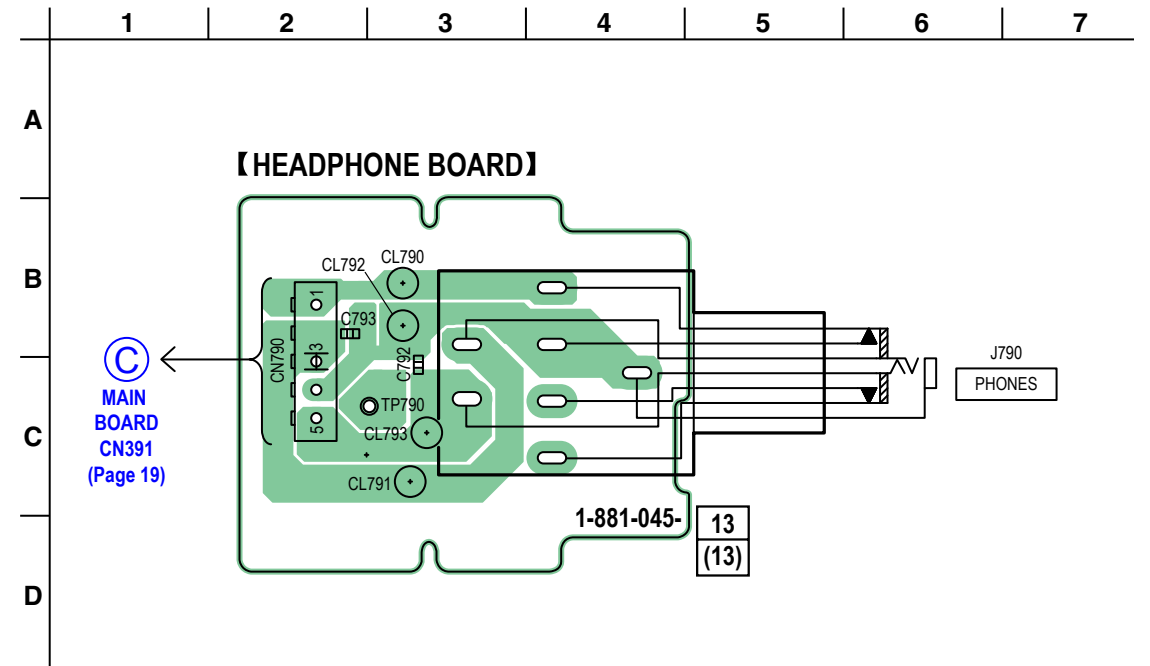


①  
STANDBY-A  
VIDEO  
MT PC  
BOARD  
CN904  
(Page 31)

②  
HDMI RE PC  
BOARD  
(2/3)  
CN3510  
(Page 35)

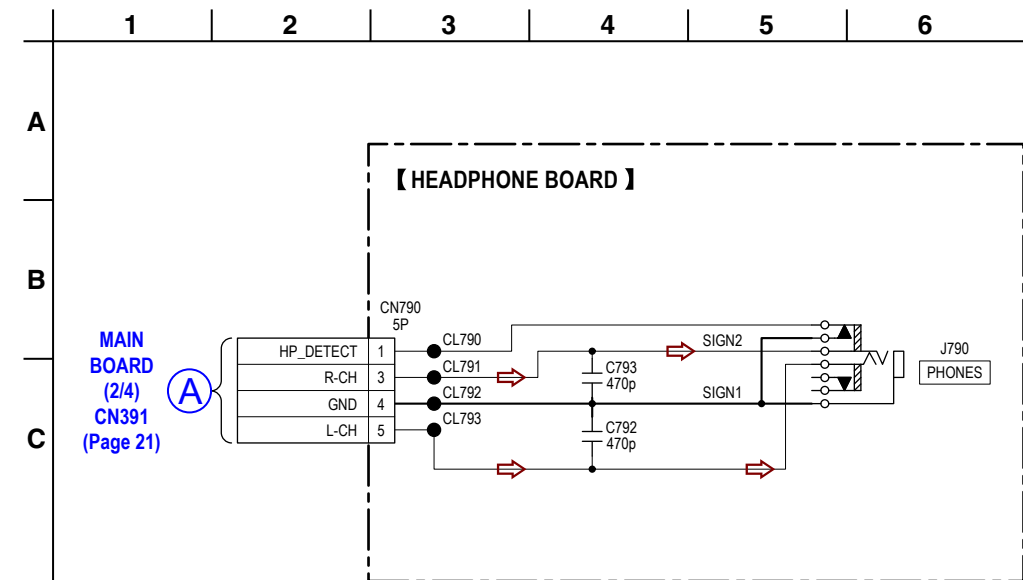
4-27. PRINTED WIRING BOARD – HEADPHONE Board –

• See page 11 for Circuit Boards Location. • : Uses unleaded solder.



③  
MAIN  
BOARD  
CN391  
(Page 19)

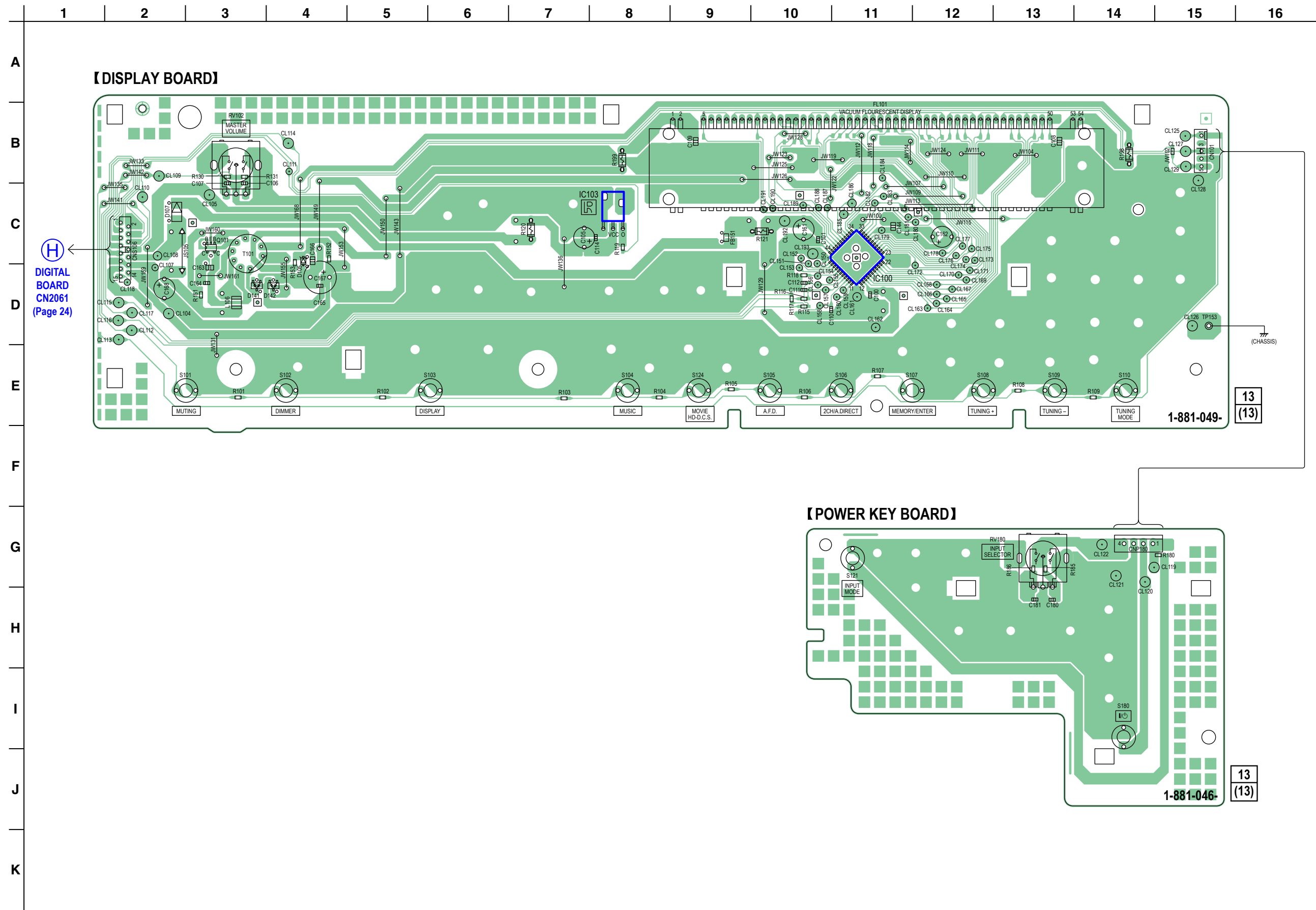
4-28. SCHEMATIC DIAGRAM – HEADPHONE Board –



④  
MAIN  
BOARD  
(2/4)  
CN391  
(Page 21)

**Note:** IC1500 and IC1600 on the DCDC board cannot exchange with single. When these parts on the DCDC board are damaged, exchange the entire mounted board.

4-29. PRINTED WIRING BOARDS – PANEL Section – • See page 11 for Circuit Boards Location. • : Uses unleaded solder.

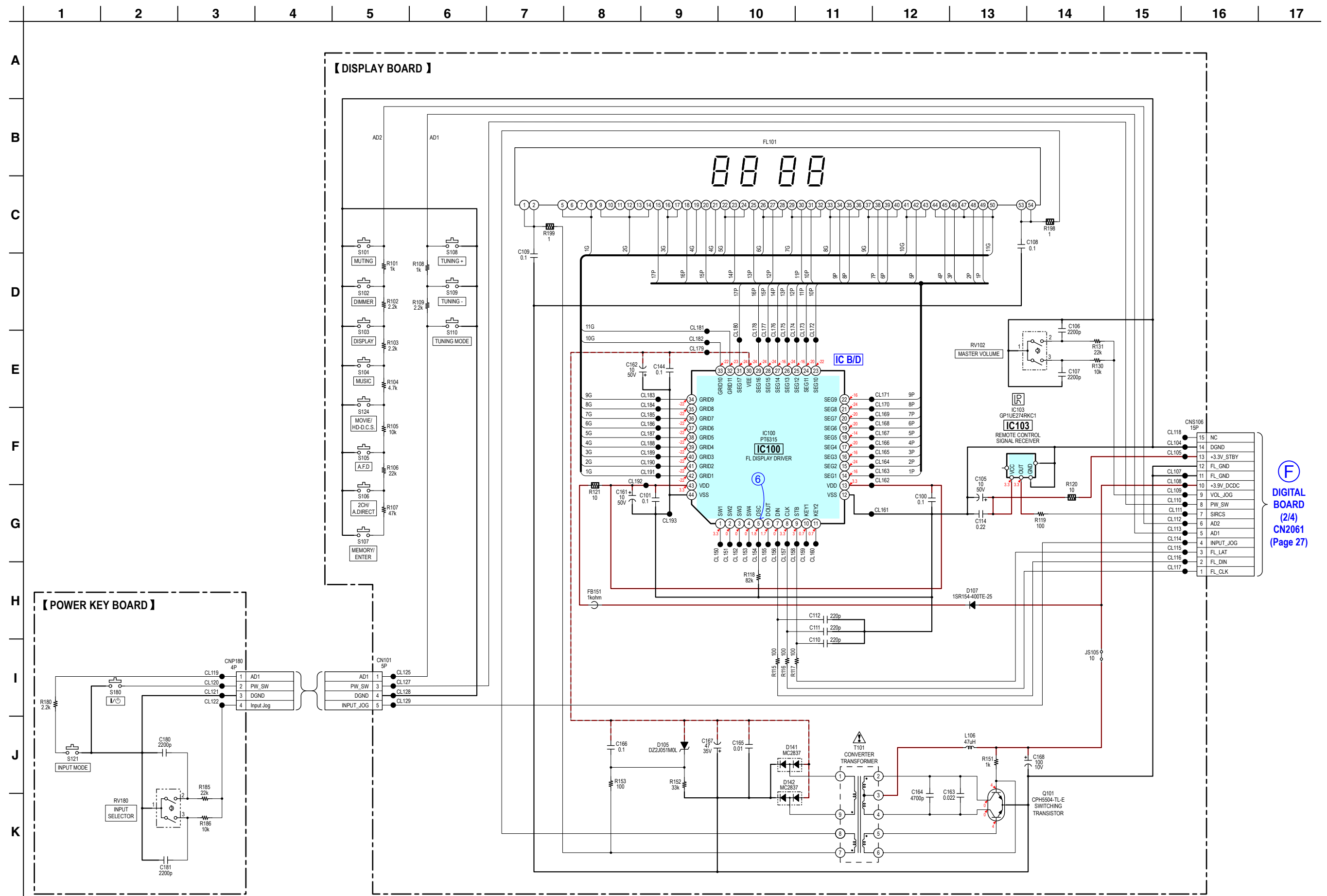


H  
DIGITAL BOARD  
CN2061  
(Page 24)

13  
(13)

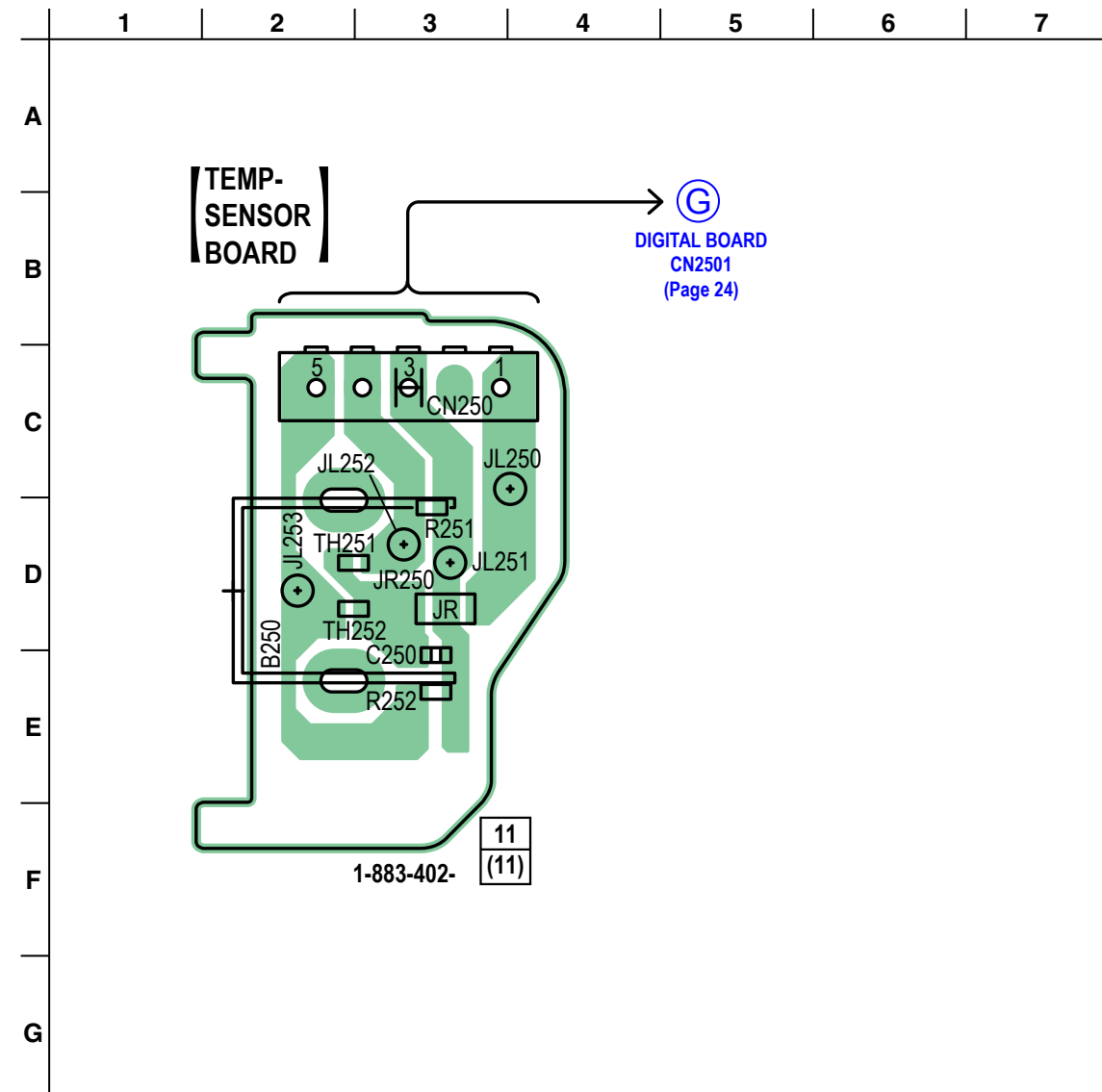
13  
(13)

4-30. SCHEMATIC DIAGRAM – PANEL Section – • See page 18 for Waveforms. • See page 44 for IC Block Diagrams.

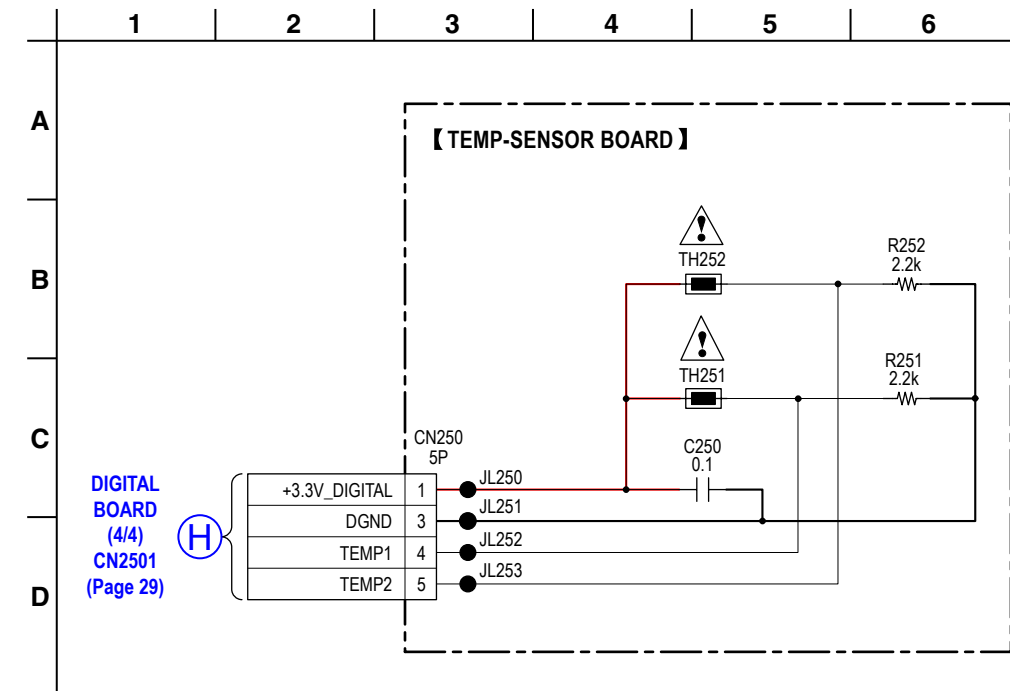




4-31. PRINTED WIRING BOARD – TEMP-SENSOR Board –  
 • See page 11 for Circuit Boards Location. • : Uses unleaded solder.

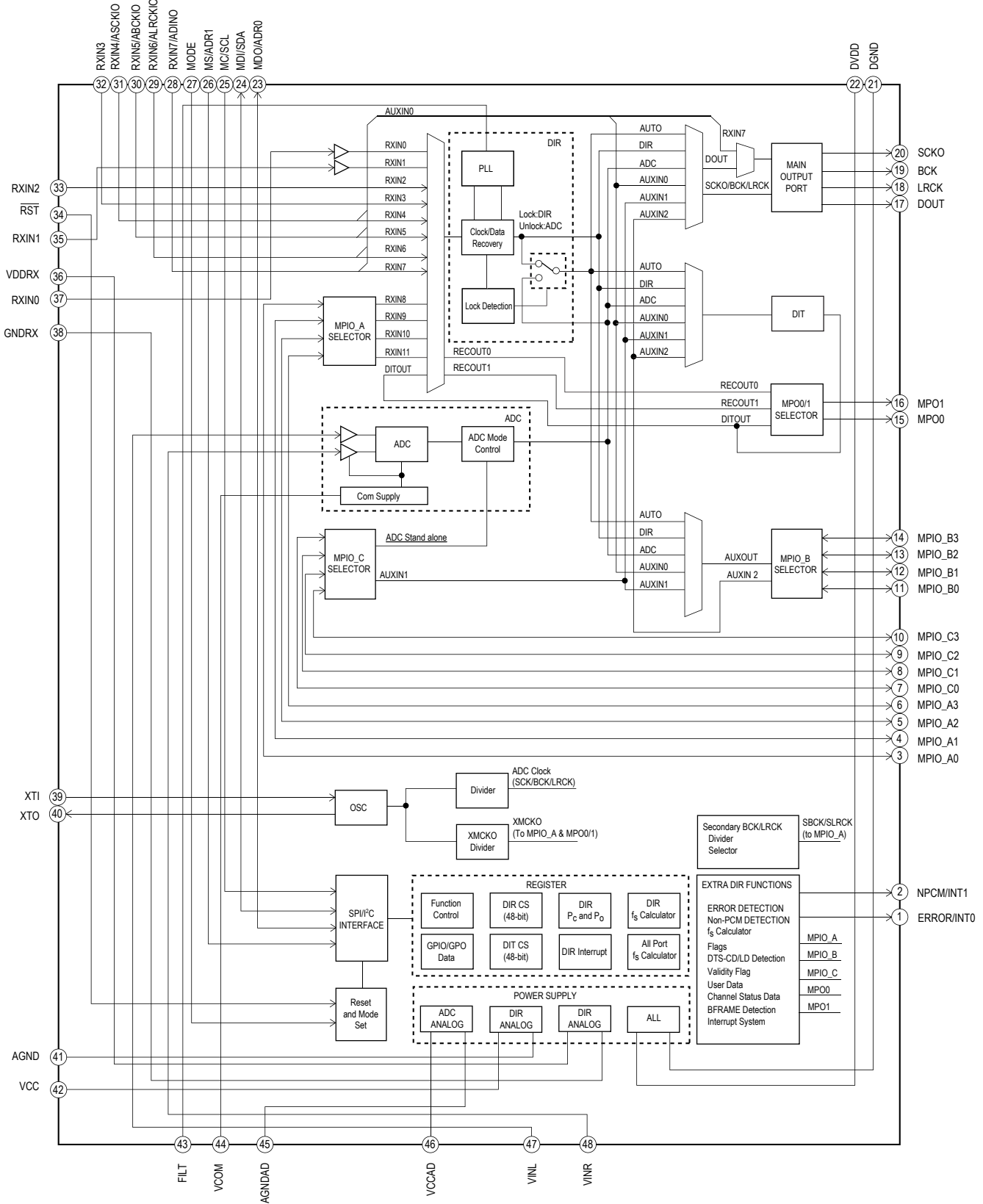


4-32. SCHEMATIC DIAGRAM – TEMP-SENSOR Board –

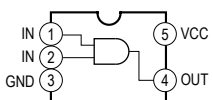


• IC Block Diagrams

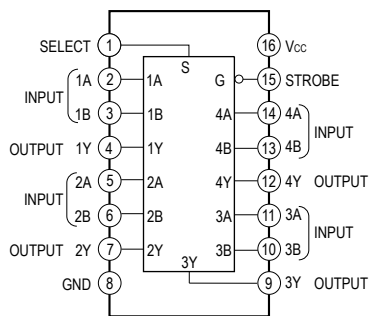
IC2006 PCM9211PTR (DIGITAL BOARD (3/4))



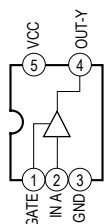
IC2019 TC7SH08FU (DIGITAL BOARD (2/4))



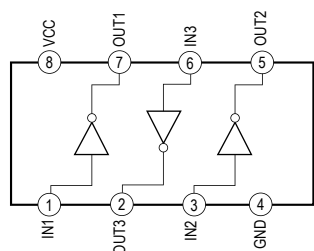
**IC2032 TC74VHC157FT (EKJ) (DIGITAL BOARD (1/4)),  
IC2804 TC74VHC157FT (EKJ) (DIGITAL BOARD (3/4))**



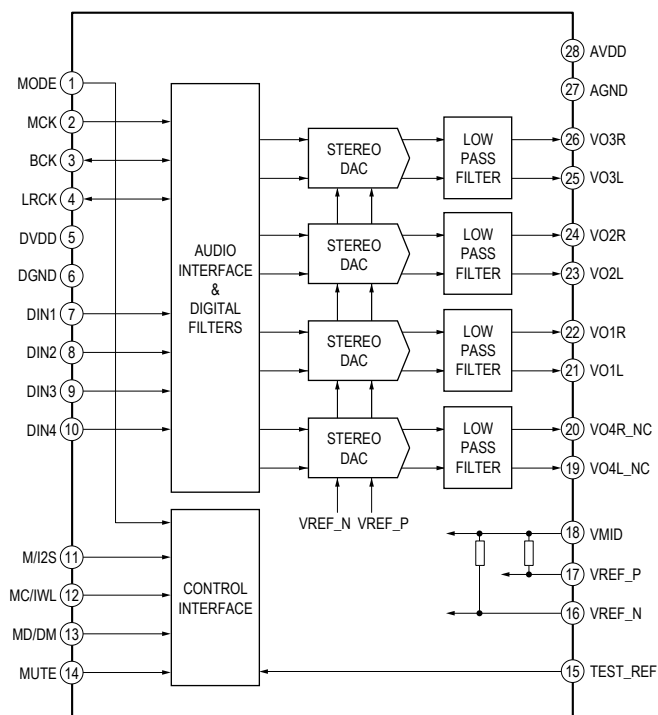
**IC2033 TC7SH126FU (DIGITAL BOARD (2/4))**



**IC2303 TC7WHU04FU (TE12R) (DIGITAL BOARD (3/4))**

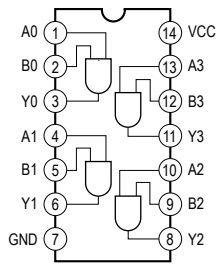


**IC2501 WM8768GEDS/R (DIGITAL BOARD (4/4))**

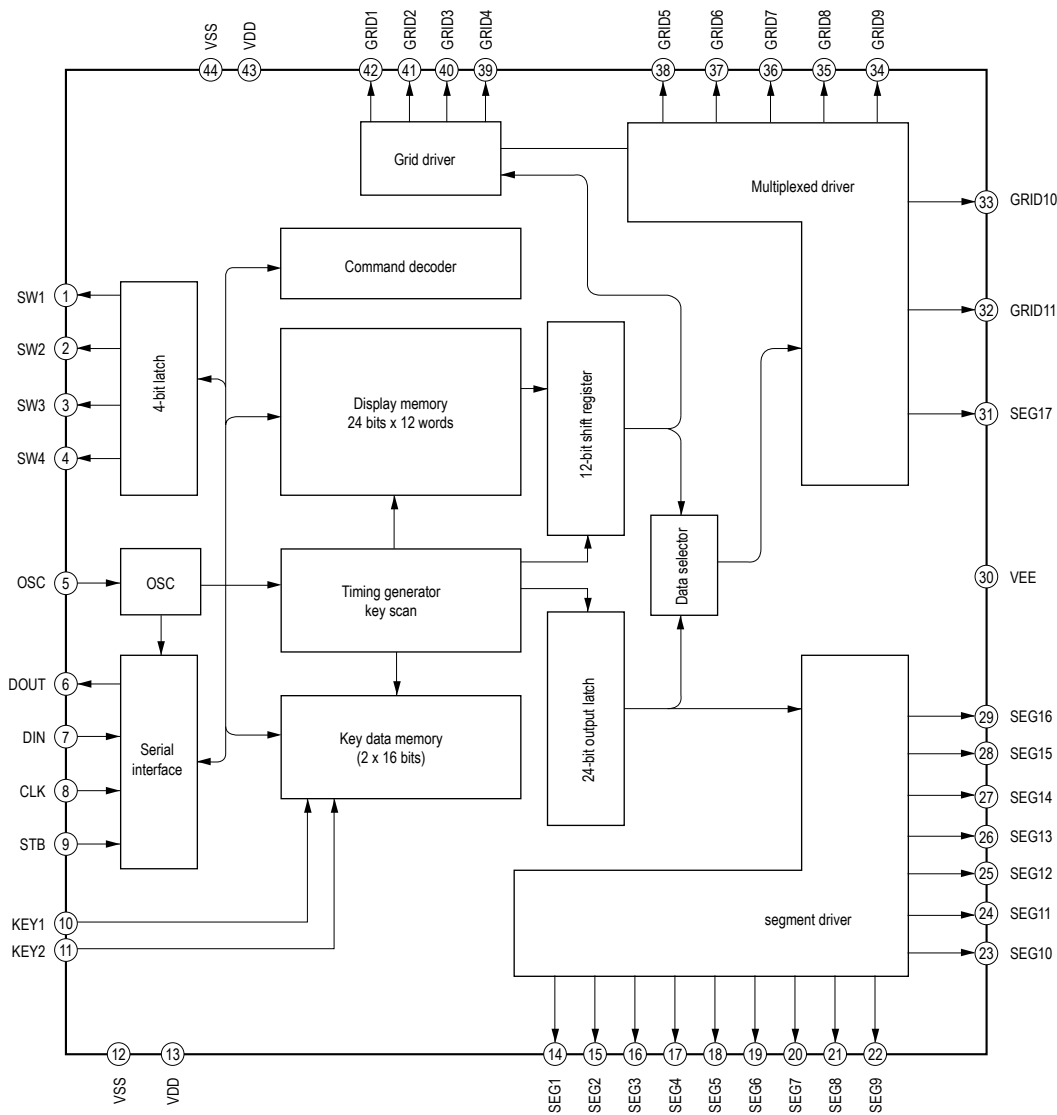


# STR-DH520

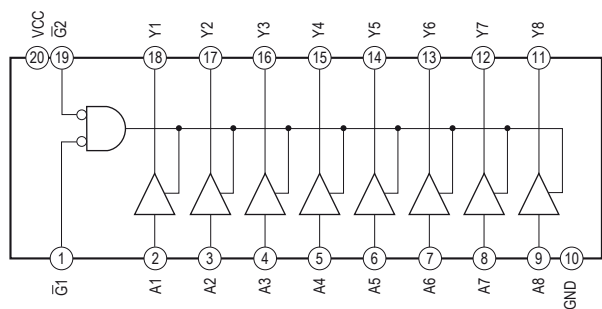
## IC2805 TC74VHC08FT (EL) (DIGITAL BOARD (3/4))



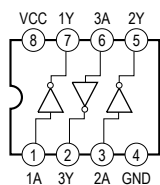
## IC100 PT6315 (DISPLAY BOARD)



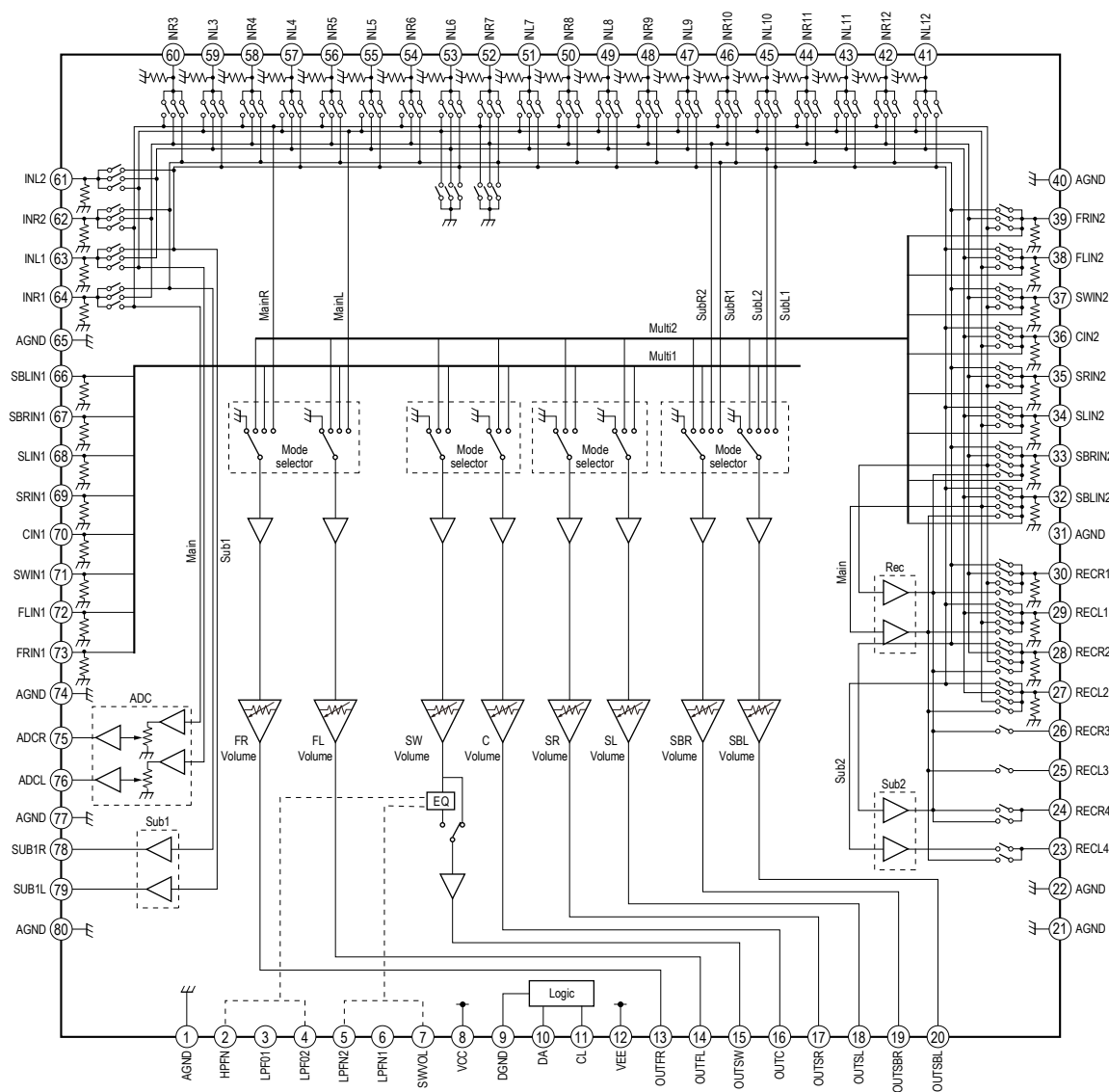
IC3507 TC74VHC541FT (EKJ) (HDMI RE PC BOARD (3/3))



IC3527 TC7WHU04FK (HDMI RE PC BOARD (3/3))

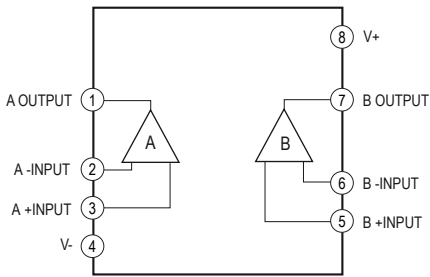


IC400 BD3470KS2 (MAIN BOARD (3/4))

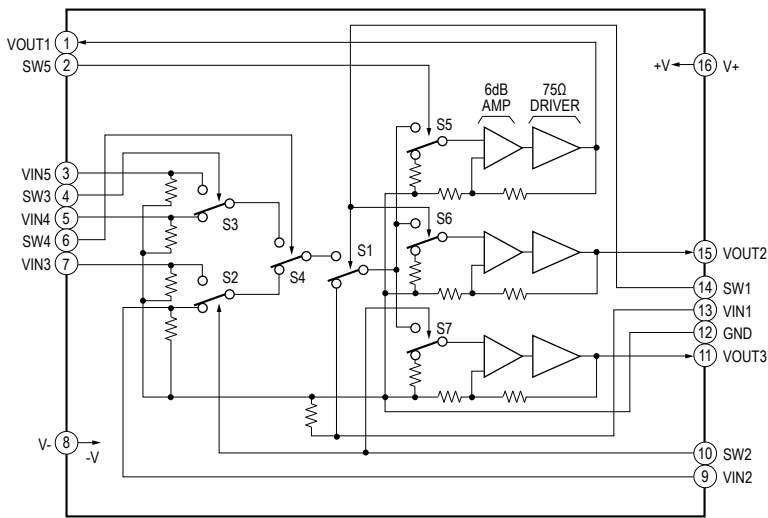


# STR-DH520

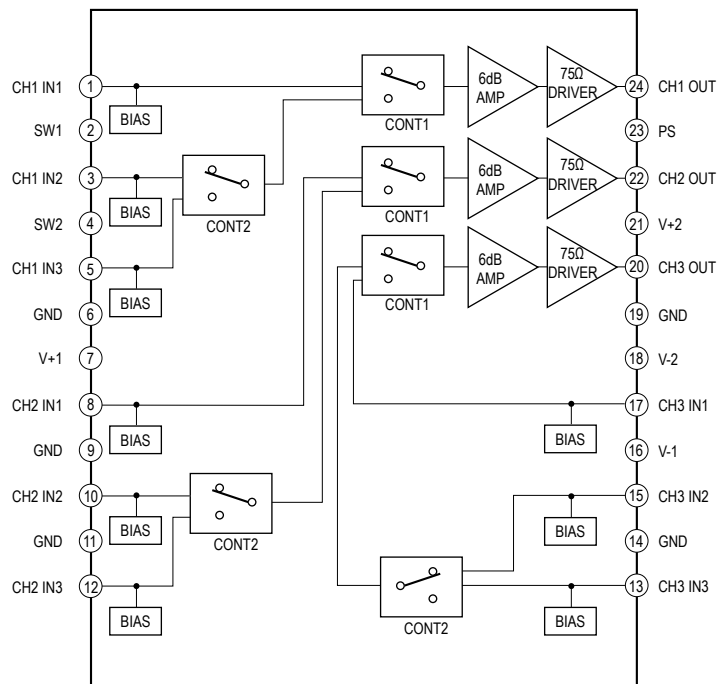
## IC500 NJM4565M-D (MAIN BOARD (3/4))



## IC210 NJM2595M-TE2 (STANDBY-A VIDEO MT PC BOARD)



## IC220 NJM2586AM (STANDBY-A VIDEO MT PC BOARD)



## • IC Pin Function Descriptions

## DIGITAL BOARD (2/4) IC2105 MB90F058PF-G-JNE1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	SBL_SBR_RY	O	Surround back speaker relay driver control signal output
2	BRIDGEABLE_RY	O	Bridgeable relay control signal output
3	HP_RY	O	Headphone relay driver control signal output
4	HP_DET	I	Headphone detection signal input
5	NO_USED	-	Not Used
6	E2P_SDA	I/O	Two-way data bus with the EEPROM
7	E2P_SCL	O	Serial data transfer clock signal output to the EEPROM
8	TUNER_SD	I	FM stereo detection signal input from the tuner (FM/AM)
9	TUNER_MOSI	O	Serial data output to the tuner (FM/AM)
10	TUNER_CLK	O	Serial data transfer clock signal output to the tuner (FM/AM)
11	TUN_RDS_CLK	I	RDS serial data transfer clock signal input from the tuner (FM/AM) (AEP and UK models only)
12	NO_USED	-	Not Used
13	NO_USED	-	Not Used
14	NO_USED	-	Not Used
15	NO_USED	-	Not Used
16	NO_USED	-	Not Used
17	NO_USED	-	Not Used
18	NO_USED	-	Not Used
19	NO_USED	-	Not Used
20	NO_USED	-	Not Used
21	TUNER_LAT	O	Latch signal output from tuner
22	TUNER_RDS_DATA	I	RDS serial data input from the tuner (FM/AM) (AEP and UK models only)
23	TUNER_MISO	I	Serial data input from the tuner (FM/AM)
24	DESTINATION	I	Destination detection input
25	MODEL	I	Model setting terminal
26	TEMP_SENSOR_1	I	Thermal sensor 1 signal input
27	TEMP_SENSOR_2	I	Thermal sensor 2 signal input
28	RECTIFIER_TEMP	-	Not Used
29	FL_LAT	O	Latch signal output for FL DISPLAY DRIVER IC
30	FL_DATA	O	Serial data output for FL DISPLAY DRIVER IC
31	FL_CLK	O	Clock signal output for FL DISPLAY DRIVER IC
32	NO_USED	-	Not Used
33	NO_USED	-	Not Used
34	LIMITER	I	Limiter signal input
35	NO_USED	-	Not Used
36	AD_KEY1	I	Key signal input (A/D port)
37	AD_KEY2	I	Key signal input (A/D port)
38	TONE_JOG	I	Tone encoder signal input
39	INPUT_JOG	I	INPUT SELECTOR encoder signal input
40	VOLUME_JOG	I	Master volume encoder signal input
41	MIC_MUTE	O	Microphone muting on/off control signal output terminal "H": muting on
42	HDMI_RST	O	System reset signal output for HDMI IC
43	HDMI_CECOUT	O	CEC signal output
44	NO_USED	-	Not Used
45	POWER_KEY	I	Power key detection signal input
46	SIRCS_IN	I	SIRCS signal input
47	HDMI_CECIN	I	CEC signal input
48	HDMI_RXD	I	UART data input from HDMI IC
49	HDMI_TXD	O	UART data output for HDMI IC
50	NO_USED	-	Not Used
51	NO_USED	-	Not Used
52	NO_USED	-	Not Used
53	NO_USED	-	Not Used
54	NO_USED	-	Not Used

Pin No.	Pin Name	I/O	Description
55	DSP_MISO	I	Serial data input from DSP EX3 IC
56	DSP_MOSI	O	Serial data output for DSP EX3 IC
57	DSP_SPICLK	O	Serial data transfer clock signal output for DSP EX3 IC
58	HDMI_CNVSS	O	For SPDIF update for HDMI MICOM
59	SI	I	Serial data input terminal (use for Firmware Flash Program)
60	SO	O	Serial data output terminal (use for Firmware Flash Program)
61	FLASH_CLK	O	Serial clock output terminal (use for Firmware Flash Program)
62	UART_SEL	O	DSP UART Selector output for SPDIF update
63	DSP_SPICS	O	Chip select signal output for DSP
64	DSP_SFLASH_HOLD	O	Hold signal output to the serial flash
65	NO_USED	-	Not Used
66	NO_USED	-	Not Used
67	DSP_RST	O	System reset signal output for DSP, "L" reset
68	DSP_INT	I	Interrupt status signal input from DSP
69	DSP_SEL_MULTI	O	SPDIF / IIS signal selector output
70	DSP_NPCM	I	SPDIF / IIS NPCM signal input from digital audio interface receiver / HDMI receiver
71	DSP_ERROR	I	SPDIF / IIS ERROR signal input from digital audio interface receiver / HDMI receiver
72	NO_USED	-	Not Used
73	NO_USED	-	Not Used
74	DIR_SIGNAL	I	Audio serial data input from the digital audio interface receiver
75	DIR_RST	O	Reset signal output to the digital audio interface receiver, "L" reset
76	DIR_CE	O	Chip enable signal output to the digital audio interface receiver
77	DIR_XSTATE	I	Clock transition signal input from digital audio interface receiver
78	DIR_MISO	I	Serial data input from DIR
79	FUSE_DET	I	Fuse open detect signal input
80	AC_CUT	I	AC off detection signal input
81	COMP_DET	I	Component video signal detect
82	V_COMP_SW2	O	Component video output signal switch
83	V_MUTE	O	Video muting control signal output to the video amplifier
84	V_SEL_SW1	O	Composite video output signal switch
85	V_SEL_SW2	O	Composite video output signal switch
86	POWER_RY	O	Power relay control signal output
87	PROTECT	I	Protect detection signal input terminal
88	COM_CLK	O	Data clock signal output for DIR IC and 8CH DAC IC
89	COM_DATA	O	Data output for DIR IC and 8 CH DAC IC
90	NO_USED	-	Not Used
91	NO_USED	-	Not Used
92	NO_USED	-	Not Used
93	NO_USED	-	Not Used
94	DAC_LATCH	O	Serial data latch pulse signal output to the D/A converter
95	DAC_MUTE	O	Mute signal output for 8Ch DAC IC
96	EVOL_CLK	O	Serial data transfer clock signal output to the electrical volume
97	EVOL_DATA	O	Serial data output to electrical volume
98	C/SL_SR_RY	O	Center/surround speaker relay driver control signal output
99	FRONT_SPK_RY	O	Front speaker relay driver control signal output
100	PREOUT_SW_RY	O	Subwoofer relay driver control signal output



## DIGITAL BOARD (1/4) IC2801 ADSST-AVR-3010 (DSP)

Pin No.	Pin Name	I/O	Description
1	SDDQM	O	DQM data mask
2	/MS0	O	Memory select line 0
3	SDCKE	O	SDRAM clock enable
4	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
5	CLK_CFG1	I	Clock frequency setting signal input 1 (Fixed at H)
6	ADDR0	I/O	External address
7	BOOT_CFG0	I	Boot mode setting signal input 0 for DASP IC (Fixed at H)
8	V <sub>DD_EX</sub>	-	Power supply pin (+3.3 V)
9	ADDR1	I/O	External address
10	ADDR2	I/O	External address
11	ADDR3	I/O	External address
12	ADDR4	I/O	External address
13	ADDR5	I/O	External address
14	BOOT_CFG1	I	Boot mode setting signal input 1 for DASP IC (Fixed at H)
15	GND	-	Ground
16	ADDR6	I/O	External address
17	ADDR7	I/O	External address
18	NC	-	Not Used
19	NC	-	Not Used
20	ADDR8	I/O	External address
21	ADDR9	I/O	External address
22	CLK_CFG0	I	Clock frequency setting signal input 0 (Fixed at L)
23	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
24	CLKIN	I	System clock input (25 MHz)
25	XTAL	O	System clock output (25 MHz)
26	ADDR10	I/O	External address
27	SDA10	O	SDRAM A 10 pin
28	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
29	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
30	ADDR11	I/O	External address
31	ADDR12	I/O	External address
32	ADDR17	I/O	External address
33	ADDR13	I/O	External address
34	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
35	ADDR18	I/O	External address
36	/RESETOUT//RUNRSTIN	I/O	Reset out/Running reset in
37	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
38	DPI_P01	I/O	Digital peripheral interface
39	DPI_P02	I/O	Digital peripheral interface
40	DPI_P03	I/O	Digital peripheral interface
41	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
42	DPI_P05	I/O	Digital peripheral interface
43	DPI_P04	I/O	Digital peripheral interface
44	DPI_P06	I/O	Digital peripheral interface
45	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
46	DPI_P08	I/O	Digital peripheral interface
47	DPI_P07	I/O	Digital peripheral interface
48	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
49	DPI_P09	I/O	Digital peripheral interface
50	DPI_P10	I/O	Digital peripheral interface
51	DPI_P11	I/O	Digital peripheral interface
52	DPI_P12	I/O	Digital peripheral interface
53	DPI_P13	I/O	Digital peripheral interface
54	DPI_P14	I/O	Digital peripheral interface
55	DAI_P03	I/O	Digital applications interface

Pin No.	Pin Name	I/O	Description
56	NC	-	Not Used
57	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
58	NC	-	Not Used
59	NC	-	Not Used
60	NC	-	Not Used
61	NC	-	Not Used
62	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
63	NC	-	Not Used
64	NC	-	Not Used
65	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
66	NC	-	Not Used
67	NC	-	Not Used
68	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
69	NC	-	Not Used
70	/WDTRSTO	O	Watch dog timer reset out
71	NC	-	Not Used
72	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
73	DAI_P07	O	PCM audio signal output
74	DAI_P13	I	PCM audio signal input
75	DAI_P19	I	Bit clock (2.8224 MHz) signal input from PCM audio signal input
76	DAI_P01	I/O	Digital applications interface
77	DAI_P02	I/O	Digital applications interface
78	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
79	NC	-	Not Used
80	NC	-	Not Used
81	NC	-	Not Used
82	NC	-	Not Used
83	NC	-	Not Used
84	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
85	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
86	DAI_P06	O	PCM audio signal output
87	DAI_P05	-	Not Used (Open)
88	DAI_P09	I/O	Digital applications interface
89	DAI_P10	-	Not Used (Open)
90	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
91	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
92	DAI_P20	I	Master clock signal input
93	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
94	DAI_P08	I/O	Digital applications interface
95	DAI_P14	I	PCM audio signal input
96	DAI_P04	-	Not Used (Open)
97	DAI_P18	I	L/R sampling clock (44.1 kHz) signal input from PCM audio signal input
98	DAI_P17	O	Bit clock (2.8224 MHz) signal output for PCM audio signal output
99	DAI_P16	O	L/R sampling clock (44.1 kHz) signal output for PCM audio signal output
100	DAI_P12	I	PCM audio signal input from the A/D converter
101	DAI_P15	I	PCM audio signal input
102	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
103	DAI_P11	I	PCM audio signal (digital input) input
104	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
105	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
106	BOOT_CFG2	I	Boot configuration select
107	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
108	AMI_ACK	I	Memory acknowledge
109	GND	-	Ground
110	THD_M	O	Thermal diode cathode
111	THD_P	I	Thermal diode anode

Pin No.	Pin Name	I/O	Description
112	V <sub>DD_THD</sub>	-	Thermal diode power supply
113	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
114	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
115	/MS1	O	Memory select line 1
116	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
117	WDT_CLKO	O	Watch dog resonator pad output
118	WDT_CLKIN	I	Watch dog timer clock input
119	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
120	ADDR23	I/O	External address
121	ADDR22	I/O	External address
122	ADDR21	I/O	External address
123	V <sub>DD_IN</sub>	-	Power supply pin (+1.2 V)
124	ADDR20	I/O	External address
125	ADDR19	I/O	External address
126	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
127	ADDR16	I/O	External address
128	ADDR15	I/O	External address
129	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
130	ADDR14	I/O	External address
131	/AMI_WR	O	AMI port write enable
132	/AMI_RD	O	AMI port read enable
133	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
134	FLAG0	O	Interruption request signal output for SYSTEM CONTROL IC
135	FLAG1	O	PLL lock error signal output and data error flag signal output for SYSTEM CONTROL IC
136	FLAG2	I	Digital input signal select control signal input
137	NC	-	Not Used
138	FLAG3	-	Not Used (Open)
139	NC	-	Not Used
140	NC	-	Not Used
141	V <sub>DD_EX</sub>	-	Power supply pin (+3.3 V)
142	NC	-	Not Used
143	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
144	/TRST	-	Not Used (Fixed at L)
145	NC	-	Not Used
146	/EMU	O	Emulation status
147	DATA0	I/O	External data
148	DATA1	I/O	External data
149	DATA2	I/O	External data
150	DATA3	I/O	External data
151	TDO	-	Not Used (Open)
152	DATA4	I/O	External data
153	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
154	DATA5	I/O	External data
155	DATA6	I/O	External data
156	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
157	DATA7	I/O	External data
158	TDI	-	Not Used (Fixed at L)
159	SDCLK	O	SDRAM clock output
160	V <sub>DD_EXT</sub>	-	Power supply pin (+3.3 V)
161	DATA8	I/O	External data
162	DATA9	I/O	External data
163	DATA10	I/O	External data
164	TCK	-	Not Used (Fixed at L)
165	DATA11	I/O	External data
166	DATA12	I/O	External data
167	DATA14	I/O	External data

<b>Pin No.</b>	<b>Pin Name</b>	<b>I/O</b>	<b>Description</b>
168	DATA13	I/O	External data
169	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)
170	DATA15	I/O	External data
171	/SDWE	O	SDRAM write enable
172	/SDRAS	O	SDRAM row address strobe
173	/RESET	I	System reset signal input from SYSTEM CONTROL IC
174	TMS	-	Not Used (Fixed at L)
175	/SDCAS	O	SDRAM column address select
176	V <sub>DD_INT</sub>	-	Power supply pin (+1.2 V)

## SECTION 5 EXPLODED VIEWS

**Note:**

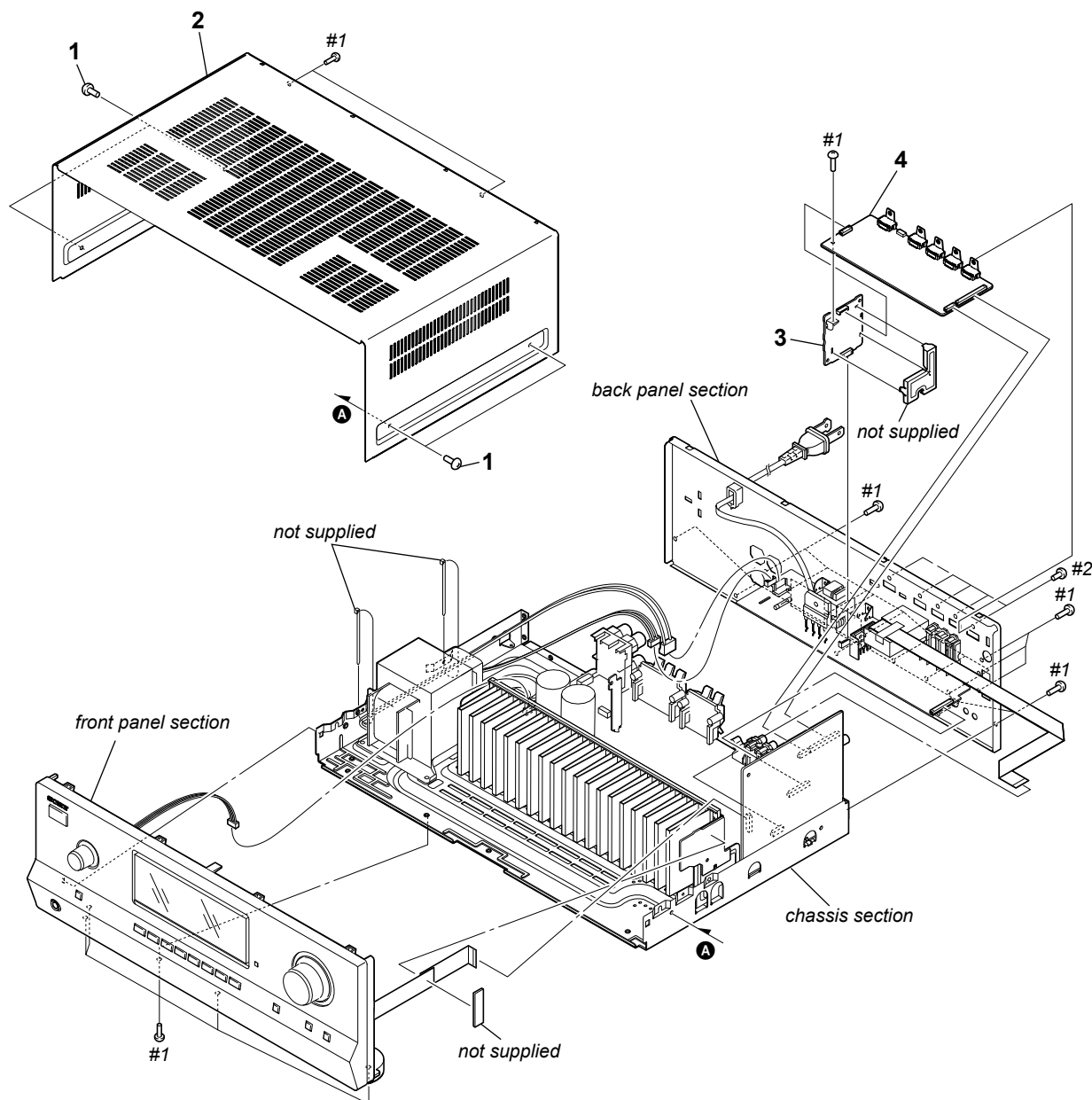
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation  
 AUS : Australian model  
 CND : Canadian model  
 ECE : Continental European, East European and Russian models  
 TW : Taiwan model

- 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.

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

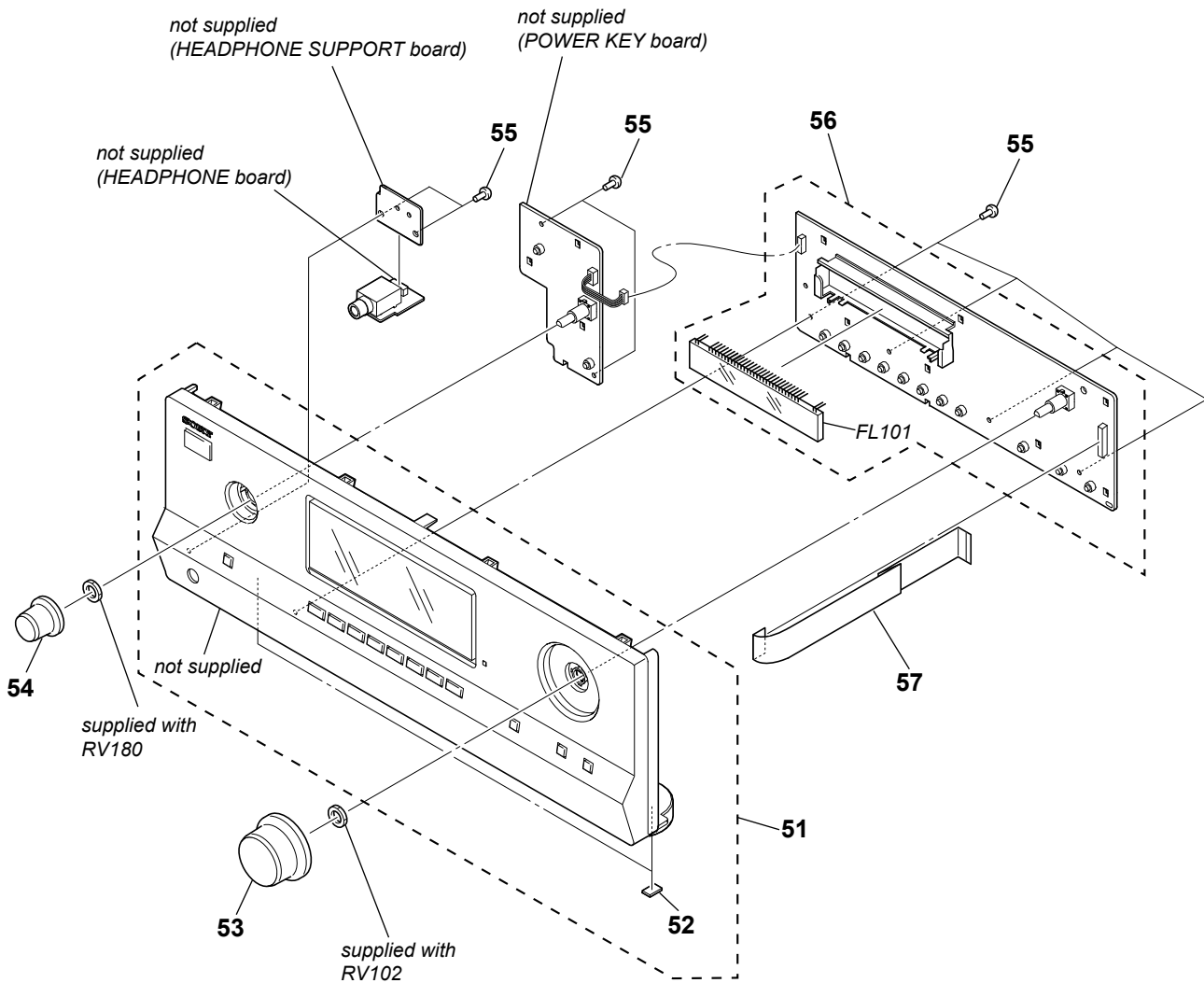
Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

### 5-1. CASE SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	2-580-630-01	SCREW, +BVST 4X8		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
2	4-160-845-31	CASE		#2	7-682-546-09	SCREW +B 3X5	
3	A-1795-723-A	DCDC BOARD, COMPLETE					
$\square$ 4	A-1791-327-A	HDMI RE PC BOARD, COMPLETE (for SERVICE)					

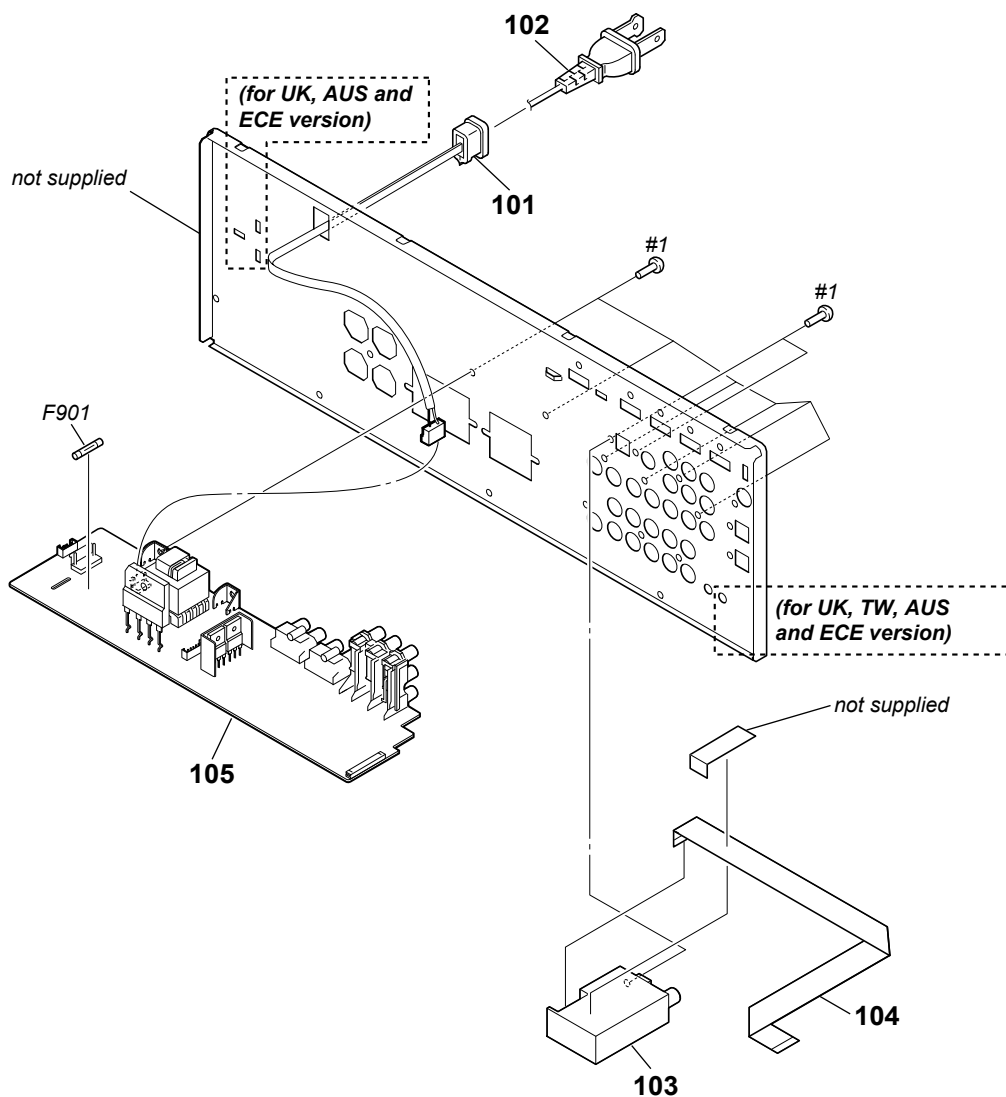
5-2. FRONT PANEL SECTION



**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	Ref. No.	Part No.	Description	Remark
51	X-2560-509-1	FRONT PANEL ASSY (US, CND)		56	A-1795-717-A	DISPLAY BOARD, COMPLETE	
51	X-2560-510-1	FRONT PANEL ASSY (UK, TW, AUS, ECE)		57	1-828-341-51	WIRE (FLAT TYPE) (15 CORE)	
52	4-977-358-01	CUSHION		FL101	1-483-110-11	VACUUM FLOURESCENT DISPLAY	
53	4-124-321-01	KNOB, VOLUME (G53)		RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)	(MASTER VOLUME)
54	4-124-322-01	KNOB, INPUT (G53)					
55	3-087-053-01	+BVTP2.6 (3CR)		RV180	1-418-817-21	ENCODER, ROTARY (INPUT SELECTOR)	

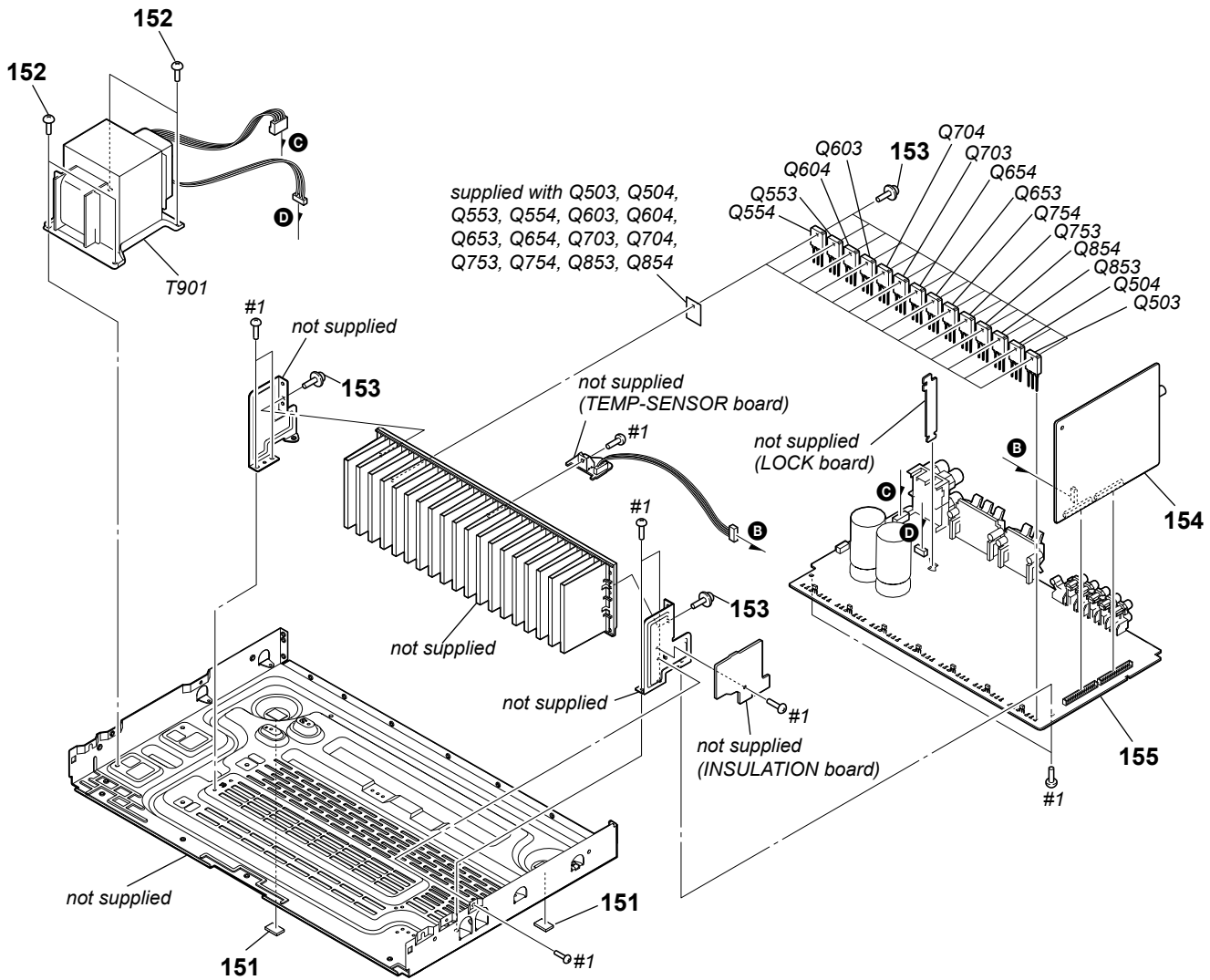
5-3. BACK PANEL SECTION



**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	Ref. No.	Part No.	Description	Remark
101	4-966-267-12	BUSHING (FBS001), CORD		104	1-828-957-51	WIRE (FLAT TYPE) (9 CORE) (US, CND)	
△ 102	1-777-071-83	CORD, POWER (UK, ECE)		105	A-1795-713-A	STANDBY-A VIDEO MT PC BOARD (US, CND)	
△ 102	1-833-566-21	POWER-SUPPLY CORD (AUS)		105	A-1795-792-A	STANDBY-A VIDEO MT PC BOARD (UK, AUS, ECE)	
△ 102	1-834-270-11	CORD, POWER (US, CND)		105	A-1802-638-A	STANDBY-A VIDEO MT PC BOARD (TW)	
△ 102	1-837-345-11	CORD, POWER-SUPPLY (TW)		△ F901	1-532-465-33	FUSE, T3.15AL 250V (UK, AUS, ECE)	
103	1-693-737-21	TUNER (FM/AM) (UK, TW, AUS, ECE)		△ F901	1-532-506-33	FUSE, T6.3AL 250V (TW)	
103	1-693-779-11	TUNER (FM/AM) (US, CND)		△ F901	1-533-311-12	FUSE, GLASS (DIA.5) 8A 125V (US, CND)	
104	1-827-731-51	WIRE (FLAT TYPE) (11 CORE)	(UK, TW, AUS, ECE)	#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	

5-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	4-977-358-01	CUSHION		Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
152	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
153	3-905-609-31	SCREW (TRANSISTOR)		Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
154	A-1795-721-A	DIGITAL BOARD, COMPLETE (US, CND)		Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
154	A-1795-793-A	DIGITAL BOARD, COMPLETE (UK, TW, AUS, ECE)		Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
155	A-1795-711-A	MAIN BOARD, COMPLETE (US, CND)		Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
155	A-1795-791-A	MAIN BOARD, COMPLETE (UK, TW, AUS, ECE)		Q853	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK		Q854	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK		△ T901	1-445-652-31	POWER TRANSFORMER (MAIN) (UK, AUS, ECE)	
Q553	6-702-390-01	TRANSISTOR MN2488-OPY-MK		△ T901	1-445-797-21	POWER TRANSFORMER (MAIN) (US)	
Q554	6-702-391-01	TRANSISTOR MP1620-OPY-MK		△ T901	1-445-824-21	POWER TRANSFORMER (MAIN) (CND, TW)	
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK		#1	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3	
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK					



SECTION 6  
ELECTRICAL PARTS LIST

DCDC DIGITAL

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS  
All resistors are in ohms.  
METAL: Metal-film resistor.  
METAL OXIDE: Metal oxide-film resistor.  
F: nonflammable

- CAPACITORS  
uF: μF
- COILS  
uH: μH
- SEMICONDUCTORS  
In each case, u: μ, for example:  
uA. . . : μA. . . , uPA. . . , μPA. . . ,  
uPB. . . : μPB. . . , uPC. . . , μPC. . . ,  
uPD. . . : μPD. . .
- Abbreviation  
AUS : Australian model  
CND : Canadian model  
ECE : Continental European, East European and Russian models  
TW : Taiwan model

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

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1795-723-A	DCDC BOARD, COMPLETE *****		L1601	1-424-918-21	INDUCTOR 10UH	
		< CAPACITOR >				< RESISTOR >	
C1500	1-104-329-11	CERAMIC CHIP 0.1uF	10% 50V	R1500	1-218-983-11	METAL CHIP 330K	5% 1/16W
C1501	1-100-703-91	CERAMIC CHIP 10uF	10% 25V	R1501	1-218-977-11	METAL CHIP 100K	5% 1/16W
C1502	1-100-703-91	CERAMIC CHIP 10uF	10% 25V	R1502	1-218-979-11	METAL CHIP 150K	5% 1/16W
C1503	1-100-703-91	CERAMIC CHIP 10uF	10% 25V	R1503	1-218-990-81	SHORT CHIP 0	
C1504	1-100-567-81	CERAMIC CHIP 0.01uF	10% 25V	R1504	1-208-911-11	METAL CHIP 10K	0.5% 1/16W
C1505	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	R1505	1-208-687-11	METAL CHIP 1.5K	0.5% 1/16W
C1506	1-128-954-11	ELECT 1000uF	20% 25V	R1506	1-208-683-11	METAL CHIP 1K	0.5% 1/16W
C1507	1-162-917-11	CERAMIC CHIP 15PF	5% 50V	R1600	1-218-983-11	METAL CHIP 330K	5% 1/16W
C1508	1-162-960-11	CERAMIC CHIP 220PF	10% 50V	R1601	1-218-977-11	METAL CHIP 100K	5% 1/16W
C1509	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	R1602	1-218-975-11	METAL CHIP 68K	5% 1/16W
C1510	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	R1603	1-218-839-11	METAL CHIP 470	0.5% 1/10W
C1511	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	R1604	1-208-911-11	METAL CHIP 10K	0.5% 1/16W
C1600	1-104-329-11	CERAMIC CHIP 0.1uF	10% 50V	R1605	1-208-687-11	METAL CHIP 1.5K	0.5% 1/16W
C1601	1-100-703-91	CERAMIC CHIP 10uF	10% 25V	*****			
C1602	1-100-703-91	CERAMIC CHIP 10uF	10% 25V	A-1795-721-A	DIGITAL BOARD, COMPLETE (US, CND)		
C1603	1-100-703-91	CERAMIC CHIP 10uF	10% 25V	A-1795-793-A	DIGITAL BOARD, COMPLETE (UK, TW, AUS, ECE)		
C1604	1-100-567-81	CERAMIC CHIP 0.01uF	10% 25V	*****			
C1605	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V			< CAPACITOR >	
C1606	1-128-954-11	ELECT 1000uF	20% 25V	C2003	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C1607	1-162-923-11	CERAMIC CHIP 47PF	5% 50V	C2011	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C1608	1-162-925-11	CERAMIC CHIP 68PF	5% 50V	C2013	1-112-791-11	ELECT CHIP 100uF	20% 16V
C1609	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	C2015	1-137-980-91	CERAMIC CHIP 0.47uF	10% 50V
C1610	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	C2016	1-126-204-11	ELECT CHIP 47uF	20% 16V
C1611	1-100-566-91	CERAMIC CHIP 0.1uF	10% 25V	C2021	1-137-980-91	CERAMIC CHIP 0.47uF	10% 50V
		< CONNECTOR >		C2022	1-112-794-11	ELECT CHIP 470uF	20% 16V
CN1500	1-766-724-11	CONNECTOR, BOARD TO BOARD 7P		C2023	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V
CN1501	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P		C2033	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
		< DIODE >		C2069	1-100-567-81	CERAMIC CHIP 0.01uF	10% 25V
D1500	6-501-361-01	DIODE RB051LA-40TR		C2070	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
D1600	6-501-361-01	DIODE RB051LA-40TR		C2072	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
		< IC >		C2074	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V
IC1500	(Not supplied)	IC TPS54331DR		C2093	1-164-935-11	CERAMIC CHIP 470PF	10% 50V
IC1600	(Not supplied)	IC TPS54331DR		C2096	1-117-681-11	ELECT CHIP 100uF	20% 16V
		< COIL >		C2101	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
L1500	1-424-918-21	INDUCTOR 10UH		C2112	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
L1501	1-424-918-21	INDUCTOR 10UH		C2114	1-100-159-91	CERAMIC CHIP 22uF	10% 6.3V
L1600	1-424-918-21	INDUCTOR 10UH		C2119	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
				C2125	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V
				C2126	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V
				C2127	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
				C2128	1-164-874-11	CERAMIC CHIP 100PF	5% 50V

Note: IC1500 and IC1600 on the DCDC board cannot exchange with single. When these parts on the DCDC board are damaged, exchange the entire mounted board.

## STR-DH520

## DIGITAL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C2130	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2817	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2131	1-126-204-11	ELECT CHIP	47uF	20%	16V	C2818	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2140	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2819	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2198	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2820	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2821	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2206	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2822	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2208	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2823	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2264	1-117-681-11	ELECT CHIP	100uF	20%	16V	C2824	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2265	1-117-681-11	ELECT CHIP	100uF	20%	16V	C2825	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2266	1-117-681-11	ELECT CHIP	100uF	20%	16V	C2826	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2267	1-117-681-11	ELECT CHIP	100uF	20%	16V	C2827	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2268	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V	C2828	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2269	1-137-987-81	CERAMIC CHIP	0.068uF	10%	10V	C2829	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2270	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2830	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2272	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2831	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2273	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2832	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2274	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2835	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2351	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2836	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2354	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2837	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2355	1-124-778-00	ELECT CHIP	22uF	20%	6.3V	C2838	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2358	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2840	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2359	1-117-681-11	ELECT CHIP	100uF	20%	16V	C2841	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V
C2361	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2842	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V
C2370	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	C2844	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2402	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2845	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2413	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2846	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2416	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2847	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2417	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2849	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2418	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2850	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2421	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C2851	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2422	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V	C2852	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2424	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2853	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2459	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2854	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2462	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2855	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2465	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2856	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2466	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2857	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2468	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2858	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2469	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2859	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2470	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	C2860	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2501	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	C2861	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2502	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2862	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2503	1-126-210-21	ELECT CHIP	220uF	20%	4V	C2863	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2504	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2864	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2506	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2865	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2507	1-100-381-11	ELECT CHIP	10uF	20%	16V	C2866	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2508	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2868	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2509	1-100-381-11	ELECT CHIP	10uF	20%	16V	C2869	1-126-210-21	ELECT CHIP	220uF	20%	4V
C2510	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2870	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2511	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	C2871	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2512	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	C2872	1-126-210-21	ELECT CHIP	220uF	20%	4V
C2514	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	C2873	1-112-066-11	CERAMIC CHIP	10uF	10%	10V
C2515	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2874	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C2516	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	C2875	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2517	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2876	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2531	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C2877	1-112-789-11	ELECT CHIP	1000uF	20%	6.3V
C2721	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2878	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2722	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2879	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C2814	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V	C2881	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2815	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V	C2882	1-100-669-11	ELECT CHIP	100uF	20%	10V
C2816	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2883	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C2884	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V	FB2890	1-400-862-11	BEAD, FERRITE	
C2899	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	FB2891	1-400-862-11	BEAD, FERRITE	
C2905	1-126-210-21	ELECT CHIP 220uF	20% 4V	FB2892	1-400-862-11	BEAD, FERRITE	
C2906	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V			< IC >	
C2908	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	IC2005	6-715-078-01	IC KIA7809AF/API	
C2909	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	IC2006	6-716-745-01	IC PCM9211PTR	
C2910	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	IC2009	8-759-698-31	IC TC7WH74FK	
C2912	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	IC2010	6-712-613-01	IC SI-3010KM-TLS	
C2913	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	IC2019	6-706-487-01	IC TC7SH08FU	
C2914	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	IC2020	6-702-913-01	IC S-80929CNMC-G8ZT2G	
C2917	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	IC2032	6-707-870-01	IC TC74VHC157FT (EKJ)	
C2918	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	IC2033	6-709-861-01	IC TC7SH126FU	
		< CONNECTOR >		IC2034	6-702-913-01	IC S-80929CNMC-G8ZT2G	
CN2000	1-785-125-21	CONNECTOR 6P		IC2105	A-1795-724-A	IC MB90F058PF-G-JNE1 (for SERVICE)	
CN2002	1-568-830-11	CONNECTOR, FFC 11P (UK, TW, AUS, ECE)		IC2106	(Not supplied)	IC CAT24C64WI-GT3	
CN2003	1-784-770-11	CONNECTOR, FFC 9P (US, CND)		IC2107	6-705-468-01	IC BA33BC0FP-E2	
CN2004	1-784-210-21	CONNECTOR 7P		IC2303	8-759-591-61	IC TC7WHU04FU (TE12R)	
CN2061	1-820-115-41	CONNECTOR, FFC/FPC 15P		IC2351	6-600-466-01	IC TORX147L (SONY) (DIGITAL (ASSIGNABLE) OPTICAL SAT/CATV IN)	
CN2103	1-573-846-11	CONNECTOR, BOARD TO BOARD 14P		IC2352	6-600-466-01	IC TORX147L (SONY) (TV OPTICAL IN)	
CN2105	1-784-040-41	CONNECTOR, BOARD TO BOARD 19P		IC2421	6-705-337-01	IC TK11150CSCL-G	
CN2114	1-784-040-41	CONNECTOR, BOARD TO BOARD 19P		IC2501	6-711-874-01	IC WM8768GEDS/R	
CN2501	1-764-250-11	PIN, CONNECTOR (PC BOARD) 4P		IC2801	6-716-694-01	IC ADSST-AVR-3010	
CN2513	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P		IC2802	A-1795-725-A	IC W25Q16BVSSIG (for SERVICE)	
CN2602	1-784-861-51	CONNECTOR, FFC (LIF (NON-ZIF)) 9P		IC2803	6-714-889-01	IC MP2301ENE-LF-Z	
CN2605	1-770-594-21	CONNECTOR, BOARD TO BOARD 5P		IC2804	6-707-870-01	IC TC74VHC157FT (EKJ)	
		< DIODE >		IC2805	8-759-523-81	IC TC74VHC08FT (EL)	
D2003	8-719-049-09	DIODE 1SS367-T3SONY				< JACK >	
D2004	8-719-049-09	DIODE 1SS367-T3SONY		J2301	1-784-431-11	JACK, PIN 1P (DIGITAL (ASSIGNABLE) COAXIAL BD/DVD IN)	
D2018	8-719-049-09	DIODE 1SS367-T3SONY				< COIL >	
D2019	6-502-961-01	DI DA2J10100L		L2007	1-457-874-11	INDUCTOR 10UH	
D2104	6-502-961-01	DI DA2J10100L		L2008	1-400-791-21	INDUCTOR 10UH	
D2110	6-502-961-01	DI DA2J10100L				< TRANSISTOR >	
D2302	6-500-335-01	DIODE MC2838-T112-1		Q2006	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
D2303	6-500-335-01	DIODE MC2838-T112-1		Q2702	6-551-696-01	TR ISA1235AC1-T112-1EF	
D2701	8-719-060-48	DIODE RB751V-40TE-17		Q2703	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
D2713	6-502-961-01	DI DA2J10100L		Q2704	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
D2714	8-719-053-18	DIODE 1SR154-400TE-25		Q2705	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
D2717	6-502-961-01	DI DA2J10100L		Q2706	8-729-038-23	TRANSISTOR RT1N141C-TP-1	
		< FERRITE BEAD >				< RESISTOR >	
FB2007	1-400-862-11	BEAD, FERRITE		R2005	1-218-989-11	METAL CHIP 1M 5% 1/16W	
FB2031	1-216-864-11	SHORT CHIP 0		R2006	1-218-949-11	METAL CHIP 470 5% 1/16W	
FB2032	1-216-864-11	SHORT CHIP 0		R2007	1-218-989-11	METAL CHIP 1M 5% 1/16W	
FB2033	1-400-862-11	BEAD, FERRITE		R2011	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2043	1-400-862-11	BEAD, FERRITE		R2015	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2101	1-400-862-11	BEAD, FERRITE		R2050	1-208-883-81	METAL CHIP 680 0.5% 1/16W	
FB2311	1-400-862-11	BEAD, FERRITE		R2052	1-216-833-11	METAL CHIP 10K 5% 1/10W	
FB2501	1-400-862-11	BEAD, FERRITE		R2053	1-218-961-11	METAL CHIP 4.7K 5% 1/16W	
FB2502	1-400-862-11	BEAD, FERRITE		R2054	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2603	1-469-139-21	FERRITE, EMI (SMD) (2012)		R2057	1-218-937-11	METAL CHIP 47 5% 1/16W	
FB2604	1-469-139-21	FERRITE, EMI (SMD) (2012)		R2058	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB2608	1-469-139-21	FERRITE, EMI (SMD) (2012)		R2059	1-218-941-81	METAL CHIP 100 5% 1/16W	
FB2801	1-400-862-11	BEAD, FERRITE		R2099	1-218-965-11	METAL CHIP 10K 5% 1/16W	
* FB2884	1-400-973-21	INDUCTOR (EMI FERRITE)					
* FB2885	1-400-973-21	INDUCTOR (EMI FERRITE)					
* FB2886	1-400-973-21	INDUCTOR (EMI FERRITE)					
FB2887	1-400-862-11	BEAD, FERRITE					
FB2889	1-400-862-11	BEAD, FERRITE					

**Note:** IC2106 on the DIGITAL board cannot exchange with single. When this part on the DIGITAL board is damaged, exchange the entire mounted board.

# STR-DH520

## DIGITAL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2100	1-218-955-11	METAL CHIP	1.5K	5%	1/16W	R2617	1-218-947-11	METAL CHIP	330	5%	1/16W
R2103	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2618	1-218-949-11	METAL CHIP	470	5%	1/16W
R2104	1-218-953-11	METAL CHIP	1K	5%	1/16W	R2619	1-218-941-81	METAL CHIP	100	5%	1/16W
R2108	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2620	1-218-941-81	METAL CHIP	100	5%	1/16W
R2111	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2621	1-218-941-81	METAL CHIP	100	5%	1/16W
R2112	1-218-941-81	METAL CHIP	100	5%	1/16W	R2622	1-218-941-81	METAL CHIP	100	5%	1/16W
R2114	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2626	1-218-941-81	METAL CHIP	100	5%	1/16W
R2116	1-218-989-11	METAL CHIP	1M	5%	1/16W	R2741	1-218-953-11	METAL CHIP	1K	5%	1/16W
R2119	1-218-941-81	METAL CHIP	100	5%	1/16W	R2742	1-218-969-11	METAL CHIP	22K	5%	1/16W
R2123	1-218-941-81	METAL CHIP	100	5%	1/16W	R2743	1-218-969-11	METAL CHIP	22K	5%	1/16W
R2124	1-218-941-81	METAL CHIP	100	5%	1/16W	R2744	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2125	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2745	1-218-970-11	METAL CHIP	27K	5%	1/16W
R2130	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2746	1-218-945-11	METAL CHIP	220	5%	1/16W
R2131	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2747	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2132	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2759	1-218-941-81	METAL CHIP	100	5%	1/16W
R2157	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2802	1-218-933-11	METAL CHIP	22	5%	1/16W
R2158	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2807	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2159	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R2809	1-218-933-11	METAL CHIP	22	5%	1/16W
R2160	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2815	1-218-989-11	METAL CHIP	1M	5%	1/16W
R2172	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	R2816	1-218-945-11	METAL CHIP	220	5%	1/16W
R2173	1-208-715-11	METAL CHIP	22K	0.5%	1/16W	R2824	1-218-945-11	METAL CHIP	220	5%	1/16W
R2197	1-218-941-81	METAL CHIP	100	5%	1/16W	R2825	1-218-933-11	METAL CHIP	22	5%	1/16W
R2211	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2826	1-218-933-11	METAL CHIP	22	5%	1/16W
R2220	1-218-941-81	METAL CHIP	100	5%	1/16W	R2829	1-218-945-11	METAL CHIP	220	5%	1/16W
R2228	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2831	1-218-945-11	METAL CHIP	220	5%	1/16W
R2249	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2834	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2250	1-218-941-81	METAL CHIP	100	5%	1/16W	R2835	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2251	1-218-949-11	METAL CHIP	470	5%	1/16W	R2837	1-218-933-11	METAL CHIP	22	5%	1/16W
R2283	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2838	1-218-933-11	METAL CHIP	22	5%	1/16W
R2285	1-218-949-11	METAL CHIP	470	5%	1/16W	R2839	1-218-933-11	METAL CHIP	22	5%	1/16W
R2311	1-218-973-11	METAL CHIP	47K	5%	1/16W	R2840	1-218-933-11	METAL CHIP	22	5%	1/16W
R2321	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2841	1-218-945-11	METAL CHIP	220	5%	1/16W
R2322	1-218-989-11	METAL CHIP	1M	5%	1/16W	R2842	1-218-933-11	METAL CHIP	22	5%	1/16W
R2324	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2843	1-218-933-11	METAL CHIP	22	5%	1/16W
R2351	1-218-941-81	METAL CHIP	100	5%	1/16W	R2844	1-218-933-11	METAL CHIP	22	5%	1/16W
R2354	1-218-941-81	METAL CHIP	100	5%	1/16W	R2846	1-218-933-11	METAL CHIP	22	5%	1/16W
R2356	1-218-949-11	METAL CHIP	470	5%	1/16W	R2847	1-218-947-11	METAL CHIP	330	5%	1/16W
R2357	1-218-973-11	METAL CHIP	47K	5%	1/16W	R2849	1-218-947-11	METAL CHIP	330	5%	1/16W
R2358	1-218-985-11	METAL CHIP	470K	5%	1/16W	R2850	1-218-933-11	METAL CHIP	22	5%	1/16W
R2392	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2851	1-218-933-11	METAL CHIP	22	5%	1/16W
R2415	1-218-990-81	SHORT CHIP	0			R2852	1-218-933-11	METAL CHIP	22	5%	1/16W
R2416	1-218-990-81	SHORT CHIP	0			R2853	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R2417	1-218-990-81	SHORT CHIP	0			R2854	1-218-990-81	SHORT CHIP	0		
R2421	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2855	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R2509	1-218-935-11	METAL CHIP	33	5%	1/16W	R2856	1-218-989-11	METAL CHIP	1M	5%	1/16W
R2511	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2857	1-218-941-81	METAL CHIP	100	5%	1/16W
R2512	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2858	1-218-941-81	METAL CHIP	100	5%	1/16W
R2540	1-218-969-11	METAL CHIP	22K	5%	1/16W	R2860	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R2541	1-218-971-11	METAL CHIP	33K	5%	1/16W	R2861	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2601	1-218-947-11	METAL CHIP	330	5%	1/16W	R2863	1-218-933-11	METAL CHIP	22	5%	1/16W
R2602	1-218-947-11	METAL CHIP	330	5%	1/16W	R2864	1-218-933-11	METAL CHIP	22	5%	1/16W
R2607	1-218-941-81	METAL CHIP	100	5%	1/16W	R2865	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2608	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2866	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2609	1-218-941-81	METAL CHIP	100	5%	1/16W	R2867	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2610	1-218-949-11	METAL CHIP	470	5%	1/16W	R2868	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R2612	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2872	1-218-933-11	METAL CHIP	22	5%	1/16W
R2613	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2873	1-218-933-11	METAL CHIP	22	5%	1/16W
R2614	1-218-941-81	METAL CHIP	100	5%	1/16W	R2875	1-218-977-11	METAL CHIP	100K	5%	1/16W
R2615	1-218-937-11	METAL CHIP	47	5%	1/16W	R2876	1-218-953-11	METAL CHIP	1K	5%	1/16W
R2616	1-218-941-81	METAL CHIP	100	5%	1/16W	R2878	1-218-933-11	METAL CHIP	22	5%	1/16W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R2879	1-218-965-11	METAL CHIP	10K 5%	1/16W	RB2107	1-234-372-11	RES, NETWORK 100 (1005X4)
R2880	1-218-933-11	METAL CHIP	22 5%	1/16W	RB2109	1-234-372-11	RES, NETWORK 100 (1005X4)
					RB2119	1-234-372-11	RES, NETWORK 100 (1005X4)
R2881	1-218-957-11	METAL CHIP	2.2K 5%	1/16W			< VIBRATOR >
R2882	1-218-933-11	METAL CHIP	22 5%	1/16W			
R2886	1-208-911-11	METAL CHIP	10K 0.5%	1/16W	X2101	1-781-646-21	VIBRATOR, CERAMIC (4MHZ)
R2889	1-208-699-11	METAL CHIP	4.7K 0.5%	1/16W	X2800	1-814-242-11	VIBRATOR, CRYSTAL (25MHZ)
R2891	1-218-953-11	METAL CHIP	1K 5%	1/16W	X2801	1-814-350-11	QUARTZ CRYSTAL UNITS (24.576MHZ)
							*****
R2892	1-218-953-11	METAL CHIP	1K 5%	1/16W			
R2895	1-218-965-11	METAL CHIP	10K 5%	1/16W	A-1795-717-A	DISPLAY BOARD, COMPLETE	*****
R2897	1-218-965-11	METAL CHIP	10K 5%	1/16W			< CAPACITOR >
R2898	1-218-965-11	METAL CHIP	10K 5%	1/16W			
R2899	1-218-965-11	METAL CHIP	10K 5%	1/16W			
R2901	1-218-965-11	METAL CHIP	10K 5%	1/16W			
R2906	1-218-965-11	METAL CHIP	10K 5%	1/16W	C100	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
R2910	1-218-965-11	METAL CHIP	10K 5%	1/16W	C101	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
R2912	1-218-941-81	METAL CHIP	100 5%	1/16W	C105	1-126-795-11	ELECT 10uF 20% 50V
R2914	1-218-949-11	METAL CHIP	470 5%	1/16W	C106	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V
					C107	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V
R2915	1-218-965-11	METAL CHIP	10K 5%	1/16W			
R2917	1-218-941-81	METAL CHIP	100 5%	1/16W	C108	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V
R2918	1-218-941-81	METAL CHIP	100 5%	1/16W	C109	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V
R2919	1-218-941-81	METAL CHIP	100 5%	1/16W	C110	1-162-960-11	CERAMIC CHIP 220PF 10% 50V
R2920	1-218-941-81	METAL CHIP	100 5%	1/16W	C111	1-162-960-11	CERAMIC CHIP 220PF 10% 50V
					C112	1-162-960-11	CERAMIC CHIP 220PF 10% 50V
R2921	1-218-941-81	METAL CHIP	100 5%	1/16W			
R2923	1-218-941-81	METAL CHIP	100 5%	1/16W	C114	1-127-715-11	CERAMIC CHIP 0.22uF 10% 16V
R2925	1-218-937-11	METAL CHIP	47 5%	1/16W	C144	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V
R2926	1-218-957-11	METAL CHIP	2.2K 5%	1/16W	C161	1-126-795-11	ELECT 10uF 20% 50V
R2928	1-218-961-11	METAL CHIP	4.7K 5%	1/16W	C162	1-126-795-11	ELECT 10uF 20% 50V
					C163	1-163-037-11	CERAMIC CHIP 0.022uF 10% 50V
R2930	1-216-805-11	METAL CHIP	47 5%	1/10W			
R2931	1-218-965-11	METAL CHIP	10K 5%	1/16W	C164	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V
R2932	1-218-965-11	METAL CHIP	10K 5%	1/16W	C165	1-162-974-11	CERAMIC CHIP 0.01uF 50V
R2933	1-218-965-11	METAL CHIP	10K 5%	1/16W	C166	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V
R2936	1-218-990-81	SHORT CHIP	0		C167	1-119-772-91	ELECT 47uF 20% 35V
					C168	1-165-722-11	ELECT 100uF 20% 10V
R2938	1-218-965-11	METAL CHIP	10K 5%	1/16W			< CONNECTOR >
R2939	1-218-965-11	METAL CHIP	10K 5%	1/16W			
R2940	1-218-965-11	METAL CHIP	10K 5%	1/16W	CNS106	1-779-283-11	CONNECTOR, FFC (LIF (NON-ZIF)) 15P
R2941	1-208-683-11	METAL CHIP	1K 0.5%	1/16W			< DIODE >
R2943	1-218-953-11	METAL CHIP	1K 5%	1/16W			
R2946	1-218-990-81	SHORT CHIP	0		D105	6-503-015-01	DI DZ2J051M0L
R2947	1-218-990-81	SHORT CHIP	0		D107	8-719-053-18	DIODE 1SR154-400TE-25
R2948	1-218-990-81	SHORT CHIP	0		D141	6-501-579-01	DIODE MC2837
R2949	1-218-990-81	SHORT CHIP	0		D142	6-501-579-01	DIODE MC2837
R2951	1-218-953-11	METAL CHIP	1K 5%	1/16W			< FERRITE BEAD >
R2952	1-218-953-11	METAL CHIP	1K 5%	1/16W			
R2953	1-218-941-81	METAL CHIP	100 5%	1/16W	FB151	1-469-152-11	FERRITE, EMI (SMD) (2012)
R2955	1-218-990-81	SHORT CHIP	0				< VACUUM FLUORESCENT DISPLAY >
R2956	1-218-990-81	SHORT CHIP	0				
R2957	1-218-941-81	METAL CHIP	100 5%	1/16W			
R2958	1-218-941-81	METAL CHIP	100 5%	1/16W	FL101	1-483-110-11	VACUUM FLOURESCENT DISPLAY
R2959	1-218-941-81	METAL CHIP	100 5%	1/16W			< IC >
R2960	1-218-941-81	METAL CHIP	100 5%	1/16W			
R2961	1-218-990-81	SHORT CHIP	0		IC100	6-701-729-01	IC PT6315
R2962	1-218-953-11	METAL CHIP	1K 5%	1/16W	IC103	6-600-713-01	IC GP1UE274RKC1
R2963	1-218-953-11	METAL CHIP	1K 5%	1/16W			< JUMPER >
		< COMPOSITION CIRCUIT BLOCK >					
RB2102	1-234-372-11	RES, NETWORK 100 (1005X4)			JW102	1-216-864-11	SHORT CHIP 0
RB2103	1-234-372-11	RES, NETWORK 100 (1005X4)					< TRANSISTOR >
RB2104	1-234-372-11	RES, NETWORK 100 (1005X4)					
RB2105	1-234-372-11	RES, NETWORK 100 (1005X4)			Q101	6-550-065-01	TRANSISTOR CPH5504-TL-E
RB2106	1-234-372-11	RES, NETWORK 100 (1005X4)					

# STR-DH520

## DISPLAY HDMI RE PC

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< RESISTOR >				C3543	1-164-847-11	CERAMIC CHIP 7PF	0.5PF 50V
R101	1-216-821-11	METAL CHIP 1K	5% 1/10W	C3544	1-164-847-11	CERAMIC CHIP 7PF	0.5PF 50V
R102	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	C3557	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R103	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	C3558	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R104	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	C3559	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R105	1-216-833-11	METAL CHIP 10K	5% 1/10W	C3560	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R106	1-216-837-11	METAL CHIP 22K	5% 1/10W	C3562	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R107	1-216-841-11	METAL CHIP 47K	5% 1/10W	C3563	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R108	1-216-821-11	METAL CHIP 1K	5% 1/10W	C3564	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R109	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	C3565	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R115	1-216-809-11	METAL CHIP 100	5% 1/10W	C3566	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R116	1-216-809-11	METAL CHIP 100	5% 1/10W	C3567	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R117	1-216-809-11	METAL CHIP 100	5% 1/10W	C3568	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R118	1-216-844-11	METAL CHIP 82K	5% 1/10W	C3569	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R119	1-216-809-11	METAL CHIP 100	5% 1/10W	C3570	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R120	1-249-393-11	CARBON 10	5% 1/4W	C3571	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R121	1-249-393-11	CARBON 10	5% 1/4W	C3573	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R130	1-216-833-11	METAL CHIP 10K	5% 1/10W	C3578	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R131	1-216-837-11	METAL CHIP 22K	5% 1/10W	C3579	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R151	1-216-821-11	METAL CHIP 1K	5% 1/10W	C3580	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R152	1-216-839-11	METAL CHIP 33K	5% 1/10W	C3581	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R153	1-216-809-11	METAL CHIP 100	5% 1/10W	C3582	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
R198	1-249-381-11	CARBON 1	5% 1/4W	C3585	1-127-715-11	CERAMIC CHIP 0.22uF	10% 16V
R199	1-249-381-11	CARBON 1	5% 1/4W	C3588	1-127-715-11	CERAMIC CHIP 0.22uF	10% 16V
< ROTARY ENCODER >				C3592	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)		C3593	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
< SWITCH >				C3602	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
S101	1-771-410-21	SWITCH, TACTILE (MUTING)		C3605	1-127-715-11	CERAMIC CHIP 0.22uF	10% 16V
S102	1-771-410-21	SWITCH, TACTILE (DIMMER)		C3606	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
S103	1-771-410-21	SWITCH, TACTILE (DISPLAY)		C3651	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
S104	1-771-410-21	SWITCH, TACTILE (MUSIC)		C3654	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
S105	1-771-410-21	SWITCH, TACTILE (A.F.D)		C3655	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
S106	1-771-410-21	SWITCH, TACTILE (2CH/A.DIRECT)		C3658	1-112-746-11	CERAMIC CHIP 4.7uF	10% 6.3V
S107	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)		C3659	1-112-746-11	CERAMIC CHIP 4.7uF	10% 6.3V
S108	1-771-410-21	SWITCH, TACTILE (TUNING +)		C3660	1-112-746-11	CERAMIC CHIP 4.7uF	10% 6.3V
S109	1-771-410-21	SWITCH, TACTILE (TUNING -)		C3662	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
S110	1-771-410-21	SWITCH, TACTILE (TUNING MODE)		C3663	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
S124	1-771-410-21	SWITCH, TACTILE (MOVIE/HD-D.C.S.)		C3664	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
< TRANSFORMER >				C3665	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
T101	1-445-778-11	D.C-D.C. CONVERTER TRANSFORMER		C3666	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
*****				C3667	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
	A-1791-327-A	HDMI RE PC BOARD, COMPLETE (for SERVICE) *****		C3668	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
< CAPACITOR >				C3673	1-112-300-91	CERAMIC CHIP 4.7uF	10% 10V
C3000	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3676	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C3001	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3679	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C3003	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3689	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
C3005	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3690	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V
C3006	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3696	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C3510	1-165-492-21	ELECT CHIP 100uF	20% 10V	C3697	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C3521	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3700	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C3522	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3701	1-128-994-21	ELECT CHIP 47uF	20% 10V
C3529	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3702	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C3530	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C3703	1-164-935-11	CERAMIC CHIP 470PF	10% 50V
				C3704	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
				C3706	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
				C3708	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V
				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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C3713	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	IC3501	(Not supplied)	IC SII9134CTU	
C3714	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	IC3507	6-707-879-01	IC TC74VHC541FT (EKJ)	
C3715	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	IC3509	6-711-116-01	IC NJM2878F3-05 (TE2)	
C3717	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V				
C3718	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	IC3510	6-711-116-01	IC NJM2878F3-05 (TE2)	
				IC3523	6-706-838-01	IC MM1661JHBE	
C3719	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	IC3526	6-714-881-01	IC MM1923DTRE	
C3720	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	IC3527	6-709-888-01	IC TC7WHU04FK	
C3721	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V	IC3528	6-714-903-01	IC MM1921CTRE	
C3722	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V			< COIL >	
C3726	1-112-717-91	CERAMIC CHIP 1uF	10% 6.3V				
				L3503	1-469-525-91	INDUCTOR 10UH	
C3727	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	L3504	1-469-525-91	INDUCTOR 10UH	
C3729	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	L3505	1-469-525-91	INDUCTOR 10UH	
C3730	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	L3506	1-469-525-91	INDUCTOR 10UH	
C3731	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	L3507	1-481-733-21	INDUCTOR 0.82UH	
C3735	1-165-989-11	CERAMIC CHIP 10uF	10% 6.3V				
				L3508	1-469-525-91	INDUCTOR 10UH	
C3736	1-112-746-11	CERAMIC CHIP 4.7uF	10% 6.3V	L3509	1-469-525-91	INDUCTOR 10UH	
C3737	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	L3510	1-469-525-91	INDUCTOR 10UH	
C3738	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	* L3511	1-457-685-11	COMMON MODE CHOKE COIL	
C3739	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	* L3512	1-457-685-11	COMMON MODE CHOKE COIL	
C3740	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V			< RESISTOR >	
				R3001	1-218-929-11	METAL CHIP 10 5% 1/16W	
C3741	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	R3002	1-218-945-11	METAL CHIP 220 5% 1/16W	
C3742	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	R3003	1-218-990-81	SHORT CHIP 0	
C3743	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	R3004	1-218-965-11	METAL CHIP 10K 5% 1/16W	
C3744	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	R3005	1-218-965-11	METAL CHIP 10K 5% 1/16W	
		< CONNECTOR >		R3006	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
CN3000	1-784-859-51	CONNECTOR, FFC (LIF (NON-ZIF)) 7P		R3008	1-218-973-11	METAL CHIP 47K 5% 1/16W	
CN3500	1-821-398-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) TV OUT ARC)		R3009	1-218-955-11	METAL CHIP 1.5K 5% 1/16W	
CN3501	1-821-398-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) VIDEO)		R3010	1-218-929-11	METAL CHIP 10 5% 1/16W	
CN3502	1-821-398-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) SAT/CATV)		R3011	1-218-955-11	METAL CHIP 1.5K 5% 1/16W	
CN3503	1-821-398-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) GAME)		R3012	1-218-929-11	METAL CHIP 10 5% 1/16W	
CN3504	1-821-398-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) BD/DVD)		R3013	1-218-933-11	METAL CHIP 22 5% 1/16W	
CN3510	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P		R3014	1-218-933-11	METAL CHIP 22 5% 1/16W	
CN3513	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P		R3015	1-218-965-11	METAL CHIP 10K 5% 1/16W	
CN3516	1-770-593-41	CONNECTOR, BOARD TO BOARD 5P		R3017	1-218-965-11	METAL CHIP 10K 5% 1/16W	
		< DIODE >		R3018	1-218-937-11	METAL CHIP 47 5% 1/16W	
D3000	8-719-049-09	DIODE 1SS367-T3SONY		R3019	1-218-965-11	METAL CHIP 10K 5% 1/16W	
D3001	8-719-049-09	DIODE 1SS367-T3SONY		R3021	1-218-937-11	METAL CHIP 47 5% 1/16W	
D3514	8-719-053-18	DIODE 1SR154-400TE-25		R3022	1-218-965-11	METAL CHIP 10K 5% 1/16W	
D3515	8-719-053-18	DIODE 1SR154-400TE-25		R3026	1-218-965-11	METAL CHIP 10K 5% 1/16W	
		< FERRITE BEAD >		R3027	1-218-937-11	METAL CHIP 47 5% 1/16W	
FB3000	1-400-862-11	BEAD, FERRITE		R3028	1-218-990-81	SHORT CHIP 0	
* FB3504	1-400-973-21	INDUCTOR (EMI FERRITE)		R3029	1-218-965-11	METAL CHIP 10K 5% 1/16W	
* FB3505	1-400-973-21	INDUCTOR (EMI FERRITE)		R3032	1-218-937-11	METAL CHIP 47 5% 1/16W	
FB3506	1-469-139-21	FERRITE, EMI (SMD) (2012)		R3037	1-218-965-11	METAL CHIP 10K 5% 1/16W	
FB3507	1-469-139-21	FERRITE, EMI (SMD) (2012)		R3038	1-218-937-11	METAL CHIP 47 5% 1/16W	
* FB3508	1-400-973-21	INDUCTOR (EMI FERRITE)		R3042	1-218-961-11	METAL CHIP 4.7K 5% 1/16W	
FB3509	1-400-862-11	BEAD, FERRITE		R3043	1-216-857-11	METAL CHIP 1M 5% 1/10W	
FB3511	1-400-862-11	BEAD, FERRITE		R3510	1-218-933-11	METAL CHIP 22 5% 1/16W	
FB3512	1-400-862-11	BEAD, FERRITE		R3511	1-218-933-11	METAL CHIP 22 5% 1/16W	
FB3513	1-400-862-11	BEAD, FERRITE		R3517	1-218-933-11	METAL CHIP 22 5% 1/16W	
		< IC >		R3518	1-218-933-11	METAL CHIP 22 5% 1/16W	
IC3000	A-1791-328-A	IC R5F364A6DFB (for SERVICE)		R3520	1-218-933-11	METAL CHIP 22 5% 1/16W	
IC3500	(Not supplied)	IC SII9233ACTU		R3521	1-218-933-11	METAL CHIP 22 5% 1/16W	
				R3523	1-218-973-11	METAL CHIP 47K 5% 1/16W	
				R3524	1-218-973-11	METAL CHIP 47K 5% 1/16W	
				R3530	1-218-973-11	METAL CHIP 47K 5% 1/16W	
				R3567	1-218-937-11	METAL CHIP 47 5% 1/16W	
				R3578	1-218-937-11	METAL CHIP 47 5% 1/16W	

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

# STR-DH520

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

Ref. No.	Part No.	Description	Quantity	Percentage	Remark
R3579	1-218-945-11	METAL CHIP	220	5%	1/16W
R3583	1-218-945-11	METAL CHIP	220	5%	1/16W
R3587	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3588	1-218-990-81	SHORT CHIP	0		
R3590	1-218-935-11	METAL CHIP	33	5%	1/16W
R3592	1-218-935-11	METAL CHIP	33	5%	1/16W
R3593	1-218-945-11	METAL CHIP	220	5%	1/16W
R3598	1-218-947-11	METAL CHIP	330	5%	1/16W
R3599	1-218-937-11	METAL CHIP	47	5%	1/16W
R3601	1-218-947-11	METAL CHIP	330	5%	1/16W
R3622	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3623	1-218-941-81	METAL CHIP	100	5%	1/16W
R3624	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3625	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R3626	1-218-929-11	METAL CHIP	10	5%	1/16W
R3627	1-218-929-11	METAL CHIP	10	5%	1/16W
R3629	1-218-929-11	METAL CHIP	10	5%	1/16W
R3630	1-220-876-81	METAL CHIP	18	0.5%	1/16W
R3631	1-218-929-11	METAL CHIP	10	5%	1/16W
R3634	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3638	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R3639	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R3640	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3641	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3646	1-218-941-81	METAL CHIP	100	5%	1/16W
R3650	1-469-139-21	FERRITE, EMI (SMD) (2012)			
R3651	1-469-139-21	FERRITE, EMI (SMD) (2012)			
R3658	1-218-938-11	METAL CHIP	56	5%	1/16W
R3659	1-218-938-11	METAL CHIP	56	5%	1/16W
R3660	1-218-938-11	METAL CHIP	56	5%	1/16W
R3661	1-218-938-11	METAL CHIP	56	5%	1/16W
R3662	1-218-938-11	METAL CHIP	56	5%	1/16W
R3663	1-218-938-11	METAL CHIP	56	5%	1/16W
R3664	1-218-938-11	METAL CHIP	56	5%	1/16W
R3665	1-218-937-11	METAL CHIP	47	5%	1/16W
R3666	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3676	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R3678	1-218-929-11	METAL CHIP	10	5%	1/16W
R3679	1-220-169-11	METAL CHIP	75	5%	1/16W
R3680	1-218-937-11	METAL CHIP	47	5%	1/16W
R3681	1-218-937-11	METAL CHIP	47	5%	1/16W
R3684	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3685	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R3694	1-218-990-81	SHORT CHIP	0		
R3695	1-218-981-91	METAL CHIP	220K	5%	1/16W
R3697	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3708	1-218-990-81	SHORT CHIP	0		
R3711	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R3712	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R3713	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R3722	1-218-949-11	METAL CHIP	470	5%	1/16W
R3725	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3727	1-218-941-81	METAL CHIP	100	5%	1/16W
R3728	1-218-933-11	METAL CHIP	22	5%	1/16W
R3729	1-218-933-11	METAL CHIP	22	5%	1/16W
R3730	1-218-933-11	METAL CHIP	22	5%	1/16W
R3737	1-218-969-11	METAL CHIP	22K	5%	1/16W
R3738	1-218-971-11	METAL CHIP	33K	5%	1/16W
R3740	1-218-941-81	METAL CHIP	100	5%	1/16W
R3745	1-218-990-81	SHORT CHIP	0		

Ref. No.	Part No.	Description	Quantity	Percentage	Remark
R3748	1-218-990-81	SHORT CHIP	0		
R3749	1-218-990-81	SHORT CHIP	0		
R3750	1-218-990-81	SHORT CHIP	0		
R3754	1-218-949-11	METAL CHIP	470	5%	1/16W
R3756	1-218-933-11	METAL CHIP	22	5%	1/16W
R3757	1-218-933-11	METAL CHIP	22	5%	1/16W
R3758	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3759	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
< 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	1-242-963-21	RES, NETWORK 33 (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)			
< VIBRATOR >					
X3000	1-795-244-11	VIBRATOR, CERAMIC (10MHz)			
X3501	1-814-023-11	QUARTS CRYSTAL UNIT (27MHz)			
*****					
HEADPHONE BOARD					
*****					
< CAPACITOR >					
C792	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C793	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
< JACK >					
J790	1-822-967-12	JACK (PHONES)			
*****					
A-1795-711-A	MAIN BOARD, COMPLETE (US, CND)				
A-1795-791-A	MAIN BOARD, COMPLETE (UK, TW, AUS, ECE)				
*****					
7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3				
< CAPACITOR >					
C320	1-112-079-11	ELECT	220uF	20%	10V
C321	1-112-079-11	ELECT	220uF	20%	10V
C322	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C325	1-126-964-11	ELECT	10uF	20%	50V
C350	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C351	1-112-083-11	ELECT	100uF	20%	16V
C352	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C353	1-112-083-11	ELECT	100uF	20%	16V
C380	1-126-964-11	ELECT	10uF	20%	50V
C381	1-126-964-11	ELECT	10uF	20%	50V
C382	1-126-964-11	ELECT	10uF	20%	50V
C383	1-126-964-11	ELECT	10uF	20%	50V
C384	1-126-964-11	ELECT	10uF	20%	50V
C385	1-126-964-11	ELECT	10uF	20%	50V
C386	1-126-964-11	ELECT	10uF	20%	50V
C387	1-126-964-11	ELECT	10uF	20%	50V
C388	1-100-153-91	CERAMIC CHIP	220PF	5%	100V



Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C389	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	C608	1-114-989-31	CERAMIC	47PF	5%	1KV
C390	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C609	1-114-989-31	CERAMIC	47PF	5%	1KV
C391	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V						
C392	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C610	1-112-100-11	ELECT	10uF	20%	50V
C393	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C611	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C394	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C612	1-112-079-11	ELECT	220uF	20%	10V
C395	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C620	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C396	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C629	1-136-157-00	FILM	0.022uF	5%	50V
C397	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V	C652	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C398	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C653	1-114-956-31	CERAMIC	10PF	5%	1KV
C399	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C655	1-116-177-31	CERAMIC	3PF		1KV
C400	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C657	1-112-089-11	ELECT	47uF	20%	25V
C405	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C658	1-114-989-31	CERAMIC	47PF	5%	1KV
C408	1-126-963-11	ELECT	4.7uF	20%	50V	C659	1-114-989-31	CERAMIC	47PF	5%	1KV
C449	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C660	1-112-100-11	ELECT	10uF	20%	50V
C450	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C661	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C458	1-126-963-11	ELECT	4.7uF	20%	50V	C662	1-112-079-11	ELECT	220uF	20%	10V
C471	1-126-964-11	ELECT	10uF	20%	50V	C670	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C488	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C679	1-136-157-00	FILM	0.022uF	5%	50V
C489	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C702	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C499	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C703	1-114-956-31	CERAMIC	10PF	5%	1KV
C501	1-126-786-11	ELECT	47uF	20%	16V	C705	1-116-177-31	CERAMIC	3PF		1KV
C502	1-126-160-11	ELECT	1uF	20%	50V	C707	1-112-089-11	ELECT	47uF	20%	25V
					(UK, TW, AUS, ECE)	C708	1-114-989-31	CERAMIC	47PF	5%	1KV
					(UK, TW, AUS, ECE)	C709	1-114-989-31	CERAMIC	47PF	5%	1KV
C503	1-126-795-11	ELECT	10uF	20%	50V	C710	1-112-100-11	ELECT	10uF	20%	50V
					(UK, TW, AUS, ECE)	C711	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C504	1-126-514-11	ELECT	22uF	20%	16V	C712	1-112-079-11	ELECT	220uF	20%	10V
					(UK, TW, AUS, ECE)	C720	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C505	1-162-921-11	CERAMIC CHIP	33PF	5%	50V	C729	1-136-157-00	FILM	0.022uF	5%	50V
					(UK, TW, AUS, ECE)	C752	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C506	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C753	1-114-956-31	CERAMIC	10PF	5%	1KV
					(UK, TW, AUS, ECE)	C755	1-116-177-31	CERAMIC	3PF		1KV
C507	1-126-514-11	ELECT	22uF	20%	16V	C757	1-112-089-11	ELECT	47uF	20%	25V
					(UK, TW, AUS, ECE)	C758	1-114-989-31	CERAMIC	47PF	5%	1KV
C508	1-115-871-11	ELECT	1uF	20%	50V	C759	1-114-989-31	CERAMIC	47PF	5%	1KV
					(UK, TW, AUS, ECE)	C760	1-112-100-11	ELECT	10uF	20%	50V
C510	1-162-921-11	CERAMIC CHIP	33PF	5%	50V	C761	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
					(UK, TW, AUS, ECE)	C762	1-112-079-11	ELECT	220uF	20%	10V
C514	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C770	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
					(UK, TW, AUS, ECE)	C779	1-136-157-00	FILM	0.022uF	5%	50V
C521	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C802	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
					(UK, TW, AUS, ECE)	C803	1-114-956-31	CERAMIC	10PF	5%	1KV
C545	1-112-089-11	ELECT	47uF	20%	25V	C805	1-116-177-31	CERAMIC	3PF		1KV
C546	1-126-964-11	ELECT	10uF	20%	50V	C807	1-112-089-11	ELECT	47uF	20%	25V
C547	1-126-964-11	ELECT	10uF	20%	50V	C808	1-114-989-31	CERAMIC	47PF	5%	1KV
C548	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C809	1-114-989-31	CERAMIC	47PF	5%	1KV
C550	1-136-157-00	FILM	0.022uF	5%	50V	C810	1-112-100-11	ELECT	10uF	20%	50V
C551	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C811	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C552	1-114-989-31	CERAMIC	47PF	5%	1KV	C812	1-112-079-11	ELECT	220uF	20%	10V
C553	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C820	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C554	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C829	1-136-157-00	FILM	0.022uF	5%	50V
C555	1-112-100-11	ELECT	10uF	20%	50V	C852	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C557	1-112-079-11	ELECT	220uF	20%	10V	C853	1-114-956-31	CERAMIC	10PF	5%	1KV
C558	1-112-089-11	ELECT	47uF	20%	25V	C855	1-116-177-31	CERAMIC	3PF		1KV
C559	1-116-177-31	CERAMIC	3PF		1KV	C857	1-112-089-11	ELECT	47uF	20%	25V
C560	1-114-956-31	CERAMIC	10PF	5%	1KV	C858	1-114-989-31	CERAMIC	47PF	5%	1KV
C561	1-114-989-31	CERAMIC	47PF	5%	1KV	C859	1-114-989-31	CERAMIC	47PF	5%	1KV
C602	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C860	1-112-100-11	ELECT	10uF	20%	50V
C603	1-114-956-31	CERAMIC	10PF	5%	1KV	C861	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C605	1-116-177-31	CERAMIC	3PF		1KV	C862	1-112-079-11	ELECT	220uF	20%	10V
C607	1-112-089-11	ELECT	47uF	20%	25V						

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## MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C870	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	D360	6-502-961-01	DI DA2J10100L	
C879	1-136-157-00	FILM	0.022uF 5% 50V	D365	6-502-961-01	DI DA2J10100L	
C910	1-104-329-11	CERAMIC CHIP	0.1uF 10% 50V	D375	6-502-961-01	DI DA2J10100L	
C911	1-104-329-11	CERAMIC CHIP	0.1uF 10% 50V	D536	6-501-734-01	DIODE MAZ8056GMLS0	
C912	1-112-093-11	ELECT	2200uF 20% 25V	D550	6-502-961-01	DI DA2J10100L	
C913	1-112-092-11	ELECT	1000uF 20% 25V	D551	6-502-961-01	DI DA2J10100L	
C930	1-165-946-11	ELECT (BLOCK)	6800uF 20% 71V	D611	6-502-961-01	DI DA2J10100L	
C931	1-165-946-11	ELECT (BLOCK)	6800uF 20% 71V	D620	6-502-961-01	DI DA2J10100L	
C932	1-165-554-91	CERAMIC CHIP	0.1uF 10% 100V	D661	6-502-961-01	DI DA2J10100L	
C933	1-165-554-91	CERAMIC CHIP	0.1uF 10% 100V	D670	6-502-961-01	DI DA2J10100L	
CC01	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)	D711	6-502-961-01	DI DA2J10100L	
CC02	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)	D720	6-502-961-01	DI DA2J10100L	
CC03	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)	D761	6-502-961-01	DI DA2J10100L	
CC05	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)	D770	6-502-961-01	DI DA2J10100L	
CC08	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)	D811	6-502-961-01	DI DA2J10100L	
CC11	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (UK, TW, AUS, ECE)	D820	6-502-961-01	DI DA2J10100L	
CC12	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (UK, TW, AUS, ECE)	D861	6-502-961-01	DI DA2J10100L	
CC13	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (UK, TW, AUS, ECE)	D870	6-502-961-01	DI DA2J10100L	
CC14	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (UK, TW, AUS, ECE)	D910	8-719-053-18	DIODE 1SR154-400TE-25	
CC15	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (UK, TW, AUS, ECE)	D911	8-719-053-18	DIODE 1SR154-400TE-25	
CC17	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (UK, TW, AUS, ECE)	D912	8-719-053-18	DIODE 1SR154-400TE-25	
CC18	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V (UK, TW, AUS, ECE)	D913	8-719-053-18	DIODE 1SR154-400TE-25	
CC20	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D920	6-502-961-01	DI DA2J10100L	
CC21	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	D921	8-719-061-07	DIODE D5SBA60-F	
CC51	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)			< EARTH TERMINAL >	
CC52	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)	ET300	1-537-738-21	TERMINAL, GROUND	
CC53	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)			< FUSE >	
CC55	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)	△ F910	1-523-085-11	FUSE 2.5A 250V	
CC58	1-162-927-11	CERAMIC CHIP	100PF 5% 50V (UK, TW, AUS, ECE)	△ F911	1-523-085-11	FUSE 2.5A 250V	
		< CONNECTOR >		△ F912	1-523-080-11	FUSE 6.3A 250V	
* CN391	1-564-508-11	PLUG, CONNECTOR 5P		△ F913	1-523-080-11	FUSE 6.3A 250V	
CNP410	1-784-039-21	CONNECTOR, BOARD TO BOARD 19P				< FERRITE BEAD >	
CNP411	1-784-039-21	CONNECTOR, BOARD TO BOARD 19P		FB501	1-469-152-11	FERRITE, EMI (SMD) (2012) (UK, TW, AUS, ECE)	
CNP920	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P				< IC >	
* CNP930	1-564-508-11	PLUG, CONNECTOR 5P		IC350	6-712-294-01	IC KIA7807API-U/PF	
		< DIODE >		IC352	6-712-295-01	IC KIA7907PI	
D301	6-502-961-01	DI DA2J10100L		IC400	6-716-394-01	IC BD3470KS2	
D302	8-719-049-09	DIODE 1SS367-T3SONY		IC500	8-759-710-97	IC NJM4565M-D (UK, TW, AUS, ECE)	
D303	8-719-049-09	DIODE 1SS367-T3SONY		IC501	6-715-582-01	IC STK350-630TS-E	
D326	6-500-335-01	DIODE MC2838-T112-1		IC601	6-715-582-01	IC STK350-630TS-E	
D327	6-500-335-01	DIODE MC2838-T112-1		IC701	6-715-582-01	IC STK350-630TS-E	
		< JUMPER RESISTOR >		IC801	6-715-582-01	IC STK350-630TS-E	
D350	6-502-961-01	DI DA2J10100L		J401	1-774-411-11	JACK, PIN 6P (VIDEO AUDIO OUT/IN, SAT/CATV AUDIO IN)	
D352	8-719-053-18	DIODE 1SR154-400TE-25		J405	1-774-785-11	JACK, PIN 1P (SUBWOOFER AUDIO OUT)	
D355	6-502-961-01	DI DA2J10100L		J406	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC) (UK, TW, AUS, ECE)	
				J407	1-820-056-11	SMALL TYPE JACK (PORTABLE IN (MINI JACK))	
				J409	1-794-981-11	JACK, PIN 4P (SA-CD/CD AUDIO IN, TV AUDIO IN)	
						< JUMPER RESISTOR >	
				JR600	1-216-864-11	SHORT CHIP 0	
				JR601	1-216-864-11	SHORT CHIP 0	
				JR602	1-216-864-11	SHORT CHIP 0	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
JR603	1-216-296-11	SHORT CHIP	0	Q862	6-550-327-01	TR	2SA1514KT146S
JR604	1-216-864-11	SHORT CHIP	0	Q920	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
JR605	1-216-864-11	SHORT CHIP	0			< RESISTOR >	
JR606	1-216-296-11	SHORT CHIP	0	R301	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
JR607	1-216-296-11	SHORT CHIP	0	R302	1-249-405-11	CARBON	100 5% 1/4W
JR608	1-216-864-11	SHORT CHIP	0	R304	1-216-841-11	METAL CHIP	47K 5% 1/10W
JR609	1-216-864-11	SHORT CHIP	0	R320	1-216-837-11	METAL CHIP	22K 5% 1/10W
JR700	1-216-864-11	SHORT CHIP	0	R321	1-216-837-11	METAL CHIP	22K 5% 1/10W
JR701	1-216-864-11	SHORT CHIP	0	R325	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
JR706	1-216-864-11	SHORT CHIP	0	R326	1-216-840-11	METAL CHIP	39K 5% 1/10W
JR707	1-216-296-11	SHORT CHIP	0	R327	1-216-833-11	METAL CHIP	10K 5% 1/10W
		< COIL >		R328	1-216-821-11	METAL CHIP	1K 5% 1/10W
L550	1-420-872-52	COIL, AIR-CORE		R348	1-216-835-11	METAL CHIP	15K 5% 1/10W
L628	1-420-872-52	COIL, AIR-CORE		R350	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
L678	1-420-872-52	COIL, AIR-CORE		R351	1-249-399-11	CARBON	33 5% 1/4W
L728	1-420-872-52	COIL, AIR-CORE		R353	1-216-841-11	METAL CHIP	47K 5% 1/10W
L778	1-420-872-52	COIL, AIR-CORE		R354	1-216-864-11	SHORT CHIP	0
L828	1-420-872-52	COIL, AIR-CORE		R355	1-216-821-11	METAL CHIP	1K 5% 1/10W
L878	1-420-872-52	COIL, AIR-CORE		R356	1-249-399-11	CARBON	33 5% 1/4W
		< TRANSISTOR >		R357	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q301	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R358	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q320	6-550-327-01	TR	2SA1514KT146S	R360	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q321	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R361	1-249-399-11	CARBON	33 5% 1/4W
Q323	6-550-327-01	TR	2SA1514KT146S	R363	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q324	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R365	1-249-399-11	CARBON	33 5% 1/4W
Q325	8-729-271-31	TRANSISTOR	2SC2713-G	R366	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q350	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R367	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q355	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R375	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q360	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R377	1-249-404-00	CARBON	82 5% 1/4W
Q365	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R378	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q375	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF	R380	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q550	6-550-327-01	TR	2SA1514KT146S	R381	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q551	8-729-119-76	TRANSISTOR	2SA1175-HFE	R382	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q552	8-729-922-39	TRANSISTOR	2SD2144S-V	R383	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q555	6-550-327-01	TR	2SA1514KT146S	R384	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q601	8-729-119-76	TRANSISTOR	2SA1175-HFE	R385	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q602	8-729-922-39	TRANSISTOR	2SD2144S-V	R386	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q611	6-550-327-01	TR	2SA1514KT146S	R387	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q612	6-550-327-01	TR	2SA1514KT146S	R388	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q651	8-729-119-76	TRANSISTOR	2SA1175-HFE	R389	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q652	8-729-922-39	TRANSISTOR	2SD2144S-V	R392	1-218-632-11	METAL CHIP	330 5% 1W
Q661	6-550-327-01	TR	2SA1514KT146S	R393	1-218-632-11	METAL CHIP	330 5% 1W
Q662	6-550-327-01	TR	2SA1514KT146S	R394	1-218-632-11	METAL CHIP	330 5% 1W
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE	R395	1-218-632-11	METAL CHIP	330 5% 1W
Q702	8-729-922-39	TRANSISTOR	2SD2144S-V	R401	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q711	6-550-327-01	TR	2SA1514KT146S	R402	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q712	6-550-327-01	TR	2SA1514KT146S	R403	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q751	8-729-119-76	TRANSISTOR	2SA1175-HFE	R405	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q752	8-729-922-39	TRANSISTOR	2SD2144S-V	R408	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q761	6-550-327-01	TR	2SA1514KT146S	R410	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q762	6-550-327-01	TR	2SA1514KT146S	R420	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q801	8-729-119-76	TRANSISTOR	2SA1175-HFE	R449	1-216-813-11	METAL CHIP	220 5% 1/10W
Q802	8-729-922-39	TRANSISTOR	2SD2144S-V	R450	1-216-813-11	METAL CHIP	220 5% 1/10W
Q811	6-550-327-01	TR	2SA1514KT146S	R451	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q812	6-550-327-01	TR	2SA1514KT146S	R452	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q851	8-729-119-76	TRANSISTOR	2SA1175-HFE	R453	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q852	8-729-922-39	TRANSISTOR	2SD2144S-V	R455	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q861	6-550-327-01	TR	2SA1514KT146S	R458	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R466	1-216-821-11	METAL CHIP	1K 5% 1/10W

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## MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R467	1-216-845-11	METAL CHIP	100K 5% 1/10W	R610	1-249-405-11	CARBON	100 5% 1/4W
R470	1-216-841-11	METAL CHIP	47K 5% 1/10W	R611	1-216-214-00	RES-CHIP	4.7K 2% 1/8W
R500	1-216-821-11	METAL CHIP	1K 5% 1/10W	R612	1-240-855-91	CARBON	6.2K 5% 1/4W
R503	1-216-833-11	METAL CHIP	10K 5% 1/10W (UK, TW, AUS, ECE)	R613	1-234-182-11	ENCAPSULATED COMPONENT	
R505	1-216-841-11	METAL CHIP	47K 5% 1/10W (UK, TW, AUS, ECE)	R614	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R506	1-216-821-11	METAL CHIP	1K 5% 1/10W (UK, TW, AUS, ECE)	R615	1-216-835-11	METAL CHIP	15K 5% 1/10W
R507	1-218-866-11	METAL CHIP	6.2K 0.5% 1/10W (UK, TW, AUS, ECE)	R616	1-216-843-11	METAL CHIP	68K 5% 1/10W
R508	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W (UK, TW, AUS, ECE)	R620	1-216-841-11	METAL CHIP	47K 5% 1/10W
R510	1-216-842-11	METAL CHIP	56K 5% 1/10W (UK, TW, AUS, ECE)	R622	1-216-845-11	METAL CHIP	100K 5% 1/10W
R512	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (UK, TW, AUS, ECE)	R628	1-249-389-11	CARBON	4.7 5% 1/4W
R513	1-234-182-11	ENCAPSULATED COMPONENT		R629	1-249-393-11	CARBON	10 5% 1/4W
R514	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (UK, TW, AUS, ECE)	R630	1-216-841-11	METAL CHIP	47K 5% 1/10W
R515	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (UK, TW, AUS, ECE)	R651	1-216-821-11	METAL CHIP	1K 5% 1/10W
R516	1-216-829-11	METAL CHIP	4.7K 5% 1/10W (UK, TW, AUS, ECE)	R652	1-216-843-11	METAL CHIP	68K 5% 1/10W
R517	1-216-841-11	METAL CHIP	47K 5% 1/10W (UK, TW, AUS, ECE)	R653	1-208-445-41	RES-CHIP	2.2K 2% 1/10W
R518	1-216-841-11	METAL CHIP	47K 5% 1/10W (UK, TW, AUS, ECE)	R654	1-208-826-11	METAL CHIP	68K 0.5% 1/10W
R544	1-216-864-11	SHORT CHIP	0	R656	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R545	1-249-377-11	CARBON	0.47 5% 1/4W	R657	1-216-844-11	METAL CHIP	82K 5% 1/10W
R546	1-249-377-11	CARBON	0.47 5% 1/4W	R658	1-216-818-11	METAL CHIP	560 5% 1/10W
R547	1-216-069-00	METAL CHIP	6.8K 5% 1/10W	R659	1-249-405-11	CARBON	100 5% 1/4W
R548	1-216-081-00	METAL CHIP	22K 5% 1/10W	R660	1-249-405-11	CARBON	100 5% 1/4W
R549	1-216-081-00	METAL CHIP	22K 5% 1/10W	R661	1-216-214-00	RES-CHIP	4.7K 2% 1/8W
R550	1-249-389-11	CARBON	4.7 5% 1/4W	R662	1-240-855-91	CARBON	6.2K 5% 1/4W
R551	1-249-393-11	CARBON	10 5% 1/4W	R663	1-234-182-11	ENCAPSULATED COMPONENT	
R552	1-216-214-00	RES-CHIP	4.7K 2% 1/8W	R664	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R553	1-249-405-11	CARBON	100 5% 1/4W	R665	1-216-835-11	METAL CHIP	15K 5% 1/10W
R554	1-216-843-11	METAL CHIP	68K 5% 1/10W	R666	1-216-843-11	METAL CHIP	68K 5% 1/10W
R555	1-216-844-11	METAL CHIP	82K 5% 1/10W	R670	1-216-841-11	METAL CHIP	47K 5% 1/10W
R556	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R672	1-216-845-11	METAL CHIP	100K 5% 1/10W
R557	1-216-841-11	METAL CHIP	47K 5% 1/10W	R678	1-249-389-11	CARBON	4.7 5% 1/4W
R558	1-240-855-91	CARBON	6.2K 5% 1/4W	R679	1-249-393-11	CARBON	10 5% 1/4W
R559	1-216-845-11	METAL CHIP	100K 5% 1/10W	R680	1-216-841-11	METAL CHIP	47K 5% 1/10W
R560	1-216-821-11	METAL CHIP	1K 5% 1/10W	R701	1-216-821-11	METAL CHIP	1K 5% 1/10W
R562	1-216-823-11	METAL CHIP	1.5K 5% 1/10W	R702	1-216-843-11	METAL CHIP	68K 5% 1/10W
R563	1-208-445-41	RES-CHIP	2.2K 2% 1/10W	R703	1-208-445-41	RES-CHIP	2.2K 2% 1/10W
R564	1-216-835-11	METAL CHIP	15K 5% 1/10W	R704	1-208-826-11	METAL CHIP	68K 0.5% 1/10W
R565	1-208-826-11	METAL CHIP	68K 0.5% 1/10W	R706	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R566	1-216-818-11	METAL CHIP	560 5% 1/10W	R707	1-216-844-11	METAL CHIP	82K 5% 1/10W
R567	1-249-405-11	CARBON	100 5% 1/4W	R708	1-216-818-11	METAL CHIP	560 5% 1/10W
R568	1-216-841-11	METAL CHIP	47K 5% 1/10W	R709	1-249-405-11	CARBON	100 5% 1/4W
R569	1-216-843-11	METAL CHIP	68K 5% 1/10W	R710	1-249-405-11	CARBON	100 5% 1/4W
R601	1-216-821-11	METAL CHIP	1K 5% 1/10W	R711	1-216-214-00	RES-CHIP	4.7K 2% 1/8W
R602	1-216-843-11	METAL CHIP	68K 5% 1/10W	R712	1-240-855-91	CARBON	6.2K 5% 1/4W
R603	1-208-445-41	RES-CHIP	2.2K 2% 1/10W	R713	1-234-182-11	ENCAPSULATED COMPONENT	
R604	1-208-826-11	METAL CHIP	68K 0.5% 1/10W	R714	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R606	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R715	1-216-835-11	METAL CHIP	15K 5% 1/10W
R607	1-216-844-11	METAL CHIP	82K 5% 1/10W	R716	1-216-843-11	METAL CHIP	68K 5% 1/10W
R608	1-216-818-11	METAL CHIP	560 5% 1/10W	R720	1-216-841-11	METAL CHIP	47K 5% 1/10W
R609	1-249-405-11	CARBON	100 5% 1/4W	R722	1-216-845-11	METAL CHIP	100K 5% 1/10W
				R728	1-249-389-11	CARBON	4.7 5% 1/4W
				R729	1-249-393-11	CARBON	10 5% 1/4W
				R730	1-216-841-11	METAL CHIP	47K 5% 1/10W
				R751	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R752	1-216-843-11	METAL CHIP	68K 5% 1/10W
				R753	1-208-445-41	RES-CHIP	2.2K 2% 1/10W
				R754	1-208-826-11	METAL CHIP	68K 0.5% 1/10W
				R756	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
				R757	1-216-844-11	METAL CHIP	82K 5% 1/10W
				R758	1-216-818-11	METAL CHIP	560 5% 1/10W
				R759	1-249-405-11	CARBON	100 5% 1/4W

**MAIN** **POWER KEY** **STANDBY-A VIDEO MT PC**

Ref. No.	Part No.	Description	Quantity	Percentage	Remark
R760	1-249-405-11	CARBON	100	5%	1/4W
R761	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R762	1-240-855-91	CARBON	6.2K	5%	1/4W
R763	1-234-182-11	ENCAPSULATED COMPONENT			
R764	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R765	1-216-835-11	METAL CHIP	15K	5%	1/10W
R766	1-216-843-11	METAL CHIP	68K	5%	1/10W
R770	1-216-841-11	METAL CHIP	47K	5%	1/10W
R772	1-216-845-11	METAL CHIP	100K	5%	1/10W
R778	1-249-389-11	CARBON	4.7	5%	1/4W
R779	1-249-393-11	CARBON	10	5%	1/4W
R780	1-216-841-11	METAL CHIP	47K	5%	1/10W
R801	1-216-821-11	METAL CHIP	1K	5%	1/10W
R802	1-216-843-11	METAL CHIP	68K	5%	1/10W
R803	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R804	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R806	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R807	1-216-844-11	METAL CHIP	82K	5%	1/10W
R808	1-216-818-11	METAL CHIP	560	5%	1/10W
R809	1-249-405-11	CARBON	100	5%	1/4W
R810	1-249-405-11	CARBON	100	5%	1/4W
R811	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R812	1-240-855-91	CARBON	6.2K	5%	1/4W
R813	1-234-182-11	ENCAPSULATED COMPONENT			
R814	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R815	1-216-835-11	METAL CHIP	15K	5%	1/10W
R816	1-216-843-11	METAL CHIP	68K	5%	1/10W
R820	1-216-841-11	METAL CHIP	47K	5%	1/10W
R822	1-216-845-11	METAL CHIP	100K	5%	1/10W
R828	1-249-389-11	CARBON	4.7	5%	1/4W
R829	1-249-393-11	CARBON	10	5%	1/4W
R830	1-216-841-11	METAL CHIP	47K	5%	1/10W
R851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R852	1-216-843-11	METAL CHIP	68K	5%	1/10W
R853	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R854	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R856	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R857	1-216-844-11	METAL CHIP	82K	5%	1/10W
R858	1-216-818-11	METAL CHIP	560	5%	1/10W
R859	1-249-405-11	CARBON	100	5%	1/4W
R860	1-249-405-11	CARBON	100	5%	1/4W
R861	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R862	1-240-855-91	CARBON	6.2K	5%	1/4W
R863	1-234-182-11	ENCAPSULATED COMPONENT			
R864	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R865	1-216-835-11	METAL CHIP	15K	5%	1/10W
R866	1-216-843-11	METAL CHIP	68K	5%	1/10W
R870	1-216-841-11	METAL CHIP	47K	5%	1/10W
R872	1-216-845-11	METAL CHIP	100K	5%	1/10W
R878	1-249-389-11	CARBON	4.7	5%	1/4W
R879	1-249-393-11	CARBON	10	5%	1/4W
R880	1-216-841-11	METAL CHIP	47K	5%	1/10W
R920	1-249-399-11	CARBON	33	5%	1/4W
R921	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R925	1-216-841-11	METAL CHIP	47K	5%	1/10W
R928	1-216-809-11	METAL CHIP	100	5%	1/10W (UK, TW, AUS, ECE)
RR11	1-249-393-11	CARBON	10	5%	1/4W (UK, TW, AUS, ECE)
RR12	1-249-393-11	CARBON	10	5%	1/4W (UK, TW, AUS, ECE)

Ref. No.	Part No.	Description	Quantity	Percentage	Remark
RR13	1-249-393-11	CARBON	10	5%	1/4W (UK, TW, AUS, ECE)
RR14	1-249-393-11	CARBON	10	5%	1/4W (UK, TW, AUS, ECE)
RR15	1-249-393-11	CARBON	10	5%	1/4W (UK, TW, AUS, ECE)
RR17	1-249-393-11	CARBON	10	5%	1/4W (UK, TW, AUS, ECE)
RR18	1-249-393-11	CARBON	10	5%	1/4W (UK, TW, AUS, ECE)
		< RELAY >			
RY301	1-755-267-11	RELAY			
RY350	1-755-416-12	RELAY			
RY355	1-755-416-12	RELAY			
RY360	1-755-416-12	RELAY			
RY365	1-755-416-12	RELAY			
RY375	1-755-416-12	RELAY			
RY920	1-755-593-11	RELAY			
		< TERMINAL >			
TB502	1-694-785-11	TERMINAL BOARD (SPEAKERS SURROUND BACK/FRONT HIGH)			
TB503	1-694-805-11	TERMINAL BOARD (SPEAKERS CENTER/SURROUND)			
TB504	1-780-746-11	TERMINAL BOARD (SP) (4P) (SPEAKERS FRONT)			
*****					
		POWER KEY BOARD			
*****					
		< CAPACITOR >			
C180	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C181	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
		< CONNECTOR >			
* CNP180	1-564-507-11	PLUG, CONNECTOR 4P			
		< RESISTOR >			
R180	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R185	1-216-837-11	METAL CHIP	22K	5%	1/10W
R186	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< ROTARY ENCODER >			
RV180	1-418-817-21	ENCODER, ROTARY (INPUT SELECTOR)			
		< SWITCH >			
S121	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S180	1-771-410-21	SWITCH, TACTILE (I/C)			
*****					
A-1795-713-A		STANDBY-A VIDEO MT PC BOARD (US, CND)			
A-1795-792-A		STANDBY-A VIDEO MT PC BOARD (UK, AUS, ECE)			
A-1802-638-A		STANDBY-A VIDEO MT PC BOARD (TW) *****			
7-685-646-71		SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C201	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V

## STR-DH520

## STANDBY-A VIDEO MT PC

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C202	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	IC202	6-711-998-01	IC KIA7905PI	
C203	1-112-089-11	ELECT	47uF 20% 25V	IC210	6-704-199-01	IC NJM2595M-TE2	
C204	1-112-089-11	ELECT	47uF 20% 25V	IC220	6-706-767-01	IC NJM2586AM	
C205	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			< JACK >	
C208	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	J210	1-815-043-11	JACK, PIN 2P	
C210	1-162-923-11	CERAMIC CHIP	47PF 5% 50V			(SAT/CATV VIDEO IN, MONITOR VIDEO OUT)	
C211	1-126-964-11	ELECT	10uF 20% 50V	J211	1-815-043-11	JACK, PIN 2P	
C212	1-104-658-91	ELECT	100uF 20% 10V			(VIDEO VIDEO OUT, VIDEO VIDEO IN)	
C213	1-126-964-11	ELECT	10uF 20% 50V	J220	1-816-592-11	JACK, PIN 9P	
C215	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			(COMPONENT VIDEO ASSIGNABLE (INPUT ONLY)	
C217	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			SAT/CATV (IN 2)/BD/DVD (IN 1), MONITOR OUT)	
C218	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			< JUMPER RESISTOR >	
C219	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	JR200	1-216-864-11	SHORT CHIP	0
C224	1-126-964-11	ELECT	10uF 20% 50V			< TRANSISTOR >	
C225	1-126-964-11	ELECT	10uF 20% 50V	Q201	6-551-699-01	TR	ISA1602AM1-T111-1EF
C226	1-126-964-11	ELECT	10uF 20% 50V	Q202	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
C227	1-126-964-11	ELECT	10uF 20% 50V	Q901	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
C228	1-126-964-11	ELECT	10uF 20% 50V	Q990	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
C229	1-126-964-11	ELECT	10uF 20% 50V			< RESISTOR >	
C232	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R200	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
C233	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R201	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
C235	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			(UK, AUS, ECE, TW)	
C904	1-126-944-11	ELECT	3300uF 20% 25V	R201	1-216-864-11	SHORT CHIP	0 (US, CND)
C940	1-100-756-91	CERAMIC CHIP	0.047uF 10% 50V	R202	1-216-841-11	METAL CHIP	47K 5% 1/10W
C941	1-100-756-91	CERAMIC CHIP	0.047uF 10% 50V	R203	1-216-841-11	METAL CHIP	47K 5% 1/10W
C943	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			(UK, AUS, ECE, TW)	
C944	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	R211	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C950	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R213	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C951	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	R214	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C953	1-126-936-11	ELECT	3300uF 20% 16V	R215	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C992	1-126-960-11	ELECT	1uF 20% 50V	R224	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C998	1-126-942-61	ELECT	1000uF 20% 25V	R225	1-211-990-11	METAL CHIP	75 0.5% 1/10W
		< CONNECTOR >		R226	1-211-990-11	METAL CHIP	75 0.5% 1/10W
* CN271	1-573-828-11	CONNECTOR, BOARD TO BOARD	14P	R227	1-211-990-11	METAL CHIP	75 0.5% 1/10W
CN904	1-766-600-21	CONNECTOR, BOARD TO BOARD	7P	R228	1-211-990-11	METAL CHIP	75 0.5% 1/10W
* CN906	1-564-507-11	PLUG, CONNECTOR	4P	R229	1-211-990-11	METAL CHIP	75 0.5% 1/10W
* CNP901	1-793-660-11	PIN, CONNECTOR (PC BOARD)	3P	R230	1-216-864-11	SHORT CHIP	0
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH)	2P	R232	1-216-837-11	METAL CHIP	22K 5% 1/10W
		< DIODE >		R233	1-216-833-11	METAL CHIP	10K 5% 1/10W
D202	6-502-961-01	DI DA2J10100L		R234	1-216-821-11	METAL CHIP	1K 5% 1/10W
D203	8-719-053-18	DIODE 1SR154-400TE-25		R235	1-216-809-11	METAL CHIP	100 5% 1/10W
D204	6-500-335-01	DIODE MC2838-T112-1		R236	1-216-837-11	METAL CHIP	22K 5% 1/10W
D901	6-502-961-01	DI DA2J10100L		R253	1-216-864-11	SHORT CHIP	0
D941	8-719-061-07	DIODE D5SBA60-F		R254	1-216-864-11	SHORT CHIP	0
D990	6-500-335-01	DIODE MC2838-T112-1		R256	1-216-864-11	SHORT CHIP	0
D993	6-500-848-01	DIODE MC2840-T112-1		R258	1-216-864-11	SHORT CHIP	0
D994	6-500-848-01	DIODE MC2840-T112-1		R260	1-216-864-11	SHORT CHIP	0
		< FUSE >		R262	1-216-864-11	SHORT CHIP	0
△ F940	1-523-086-11	FUSE 3.15A 250V		R264	1-216-864-11	SHORT CHIP	0
△ F941	1-523-086-11	FUSE 3.15A 250V		R266	1-216-864-11	SHORT CHIP	0
		< FUSE HOLDER >		R276	1-211-990-11	METAL CHIP	75 0.5% 1/10W
FH901	1-533-217-41	HOLDER, FUSE		R277	1-211-990-11	METAL CHIP	75 0.5% 1/10W
FH902	1-533-217-41	HOLDER, FUSE		R278	1-211-990-11	METAL CHIP	75 0.5% 1/10W
		< IC >		R902	1-249-399-11	CARBON	33 5% 1/4W
IC201	6-713-031-01	IC KIA7805API-U/PF		R903	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
				R904	1-216-841-11	METAL CHIP	47K 5% 1/10W
				R990	1-216-835-11	METAL CHIP	15K 5% 1/10W

## STANDBY-A VIDEO MT PC

## TEMP-SENSOR

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R991	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W	TN1	1-693-779-11	TUNER (FM/AM) (US, CND)	
R993	1-216-833-11	METAL CHIP	10K 5% 1/10W	*****			
		< RELAY >				ACCESSORIES	
△ RY901	1-755-541-11	RELAY				*****	
		< TRANSFORMER >					
△ T902	1-443-517-11	POWER TRANSFORMER (SUB) (UK, AUS, ECE)		1-489-343-11	REMOTE COMMANDER (RM-AAU104)		
△ T902	1-445-635-11	POWER TRANSFORMER (SUB) (US, CND, TW)				(including BATTERY LID) (US, CND)	
*****				1-489-344-11	REMOTE COMMANDER (RM-AAU105)		
		TEMP-SENSOR BOARD				(including BATTERY LID) (UK, TW, AUS, ECE)	
		*****		1-501-374-12	ANTENNA, LOOP (AM loop antenna (aerial))		
		< CAPACITOR >		1-542-830-11	MEASUREMENT MIC (MONO)		
C250	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V			(Optimizer microphone (ECM-AC2))	
		< JUMPER RESISTOR >		△ 1-770-019-71	ADAPTOR, CONVERSION PLUG 3P (UK)		
JR250	1-216-296-11	SHORT CHIP	0				
		< RESISTOR >		1-793-184-51	CONNECTOR (F TYPE ADAPTOR)		
R251	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W			(FM wire antenna (aerial))	
R252	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W	4-263-361-11	INSTRUCTION MANUAL (ENGLISH)		
		< THERMISTOR >				(US, CND, UK, AUS)	
△ TH251	1-804-045-11	THERMISTOR		4-263-361-21	INSTRUCTION MANUAL (FRENCH) (CND, ECE)		
△ TH252	1-804-045-11	THERMISTOR		4-263-361-31	INSTRUCTION MANUAL (SPANISH) (ECE)		
*****				4-263-361-41	INSTRUCTION MANUAL (GERMAN, DUTCH, ITALIAN, POLISH) (ECE)		
		MISCELLANEOUS					
		*****		4-263-361-51	INSTRUCTION MANUAL (DANISH, FINNISH)		
57	1-828-341-51	WIRE (FLAT TYPE) (15 CORE)				(ECE)	
△ 102	1-777-071-83	CORD, POWER (UK, ECE)		4-263-361-61	INSTRUCTION MANUAL (PORTUGUESE) (ECE)		
△ 102	1-833-566-21	POWER-SUPPLY CORD (AUS)		4-263-361-71	INSTRUCTION MANUAL (RUSSIAN) (ECE)		
△ 102	1-834-270-11	CORD, POWER (US, CND)		4-263-361-81	INSTRUCTION MANUAL (TRADITIONAL CHINESE)		
△ 102	1-837-345-11	CORD, POWER-SUPPLY (TW)				(TW)	
104	1-827-731-51	WIRE (FLAT TYPE) (11 CORE) (UK, TW, AUS, ECE)		4-263-361-91	INSTRUCTION MANUAL (SPANISH)		
104	1-828-957-51	WIRE (FLAT TYPE) (9 CORE) (US, CND)				(WEB MANUAL) (US)	
△ F901	1-532-465-33	FUSE, T3.15AL 250V (UK, AUS, ECE)		4-263-362-11	INSTRUCTION MANUAL (GREEK) (ECE)		
△ F901	1-532-506-33	FUSE, T6.3A L 250V (TW)		4-263-362-21	INSTRUCTION MANUAL (TURKISH) (ECE)		
△ F901	1-533-311-12	FUSE, GLASS (DIA.5) 8A 125V (US, CND)		4-263-362-31	INSTRUCTION MANUAL (HUNGARIAN) (ECE)		
Q503	6-702-390-01	TRANSISTOR	MN2488-OPY-MK	4-263-362-41	INSTRUCTION MANUAL (SLOVAKIAN) (ECE)		
Q504	6-702-391-01	TRANSISTOR	MP1620-OPY-MK				
Q553	6-702-390-01	TRANSISTOR	MN2488-OPY-MK				
Q554	6-702-391-01	TRANSISTOR	MP1620-OPY-MK				
Q603	6-702-390-01	TRANSISTOR	MN2488-OPY-MK				
Q604	6-702-391-01	TRANSISTOR	MP1620-OPY-MK				
Q653	6-702-390-01	TRANSISTOR	MN2488-OPY-MK				
Q654	6-702-391-01	TRANSISTOR	MP1620-OPY-MK				
Q703	6-702-390-01	TRANSISTOR	MN2488-OPY-MK				
Q704	6-702-391-01	TRANSISTOR	MP1620-OPY-MK				
Q753	6-702-390-01	TRANSISTOR	MN2488-OPY-MK				
Q754	6-702-391-01	TRANSISTOR	MP1620-OPY-MK				
Q853	6-702-390-01	TRANSISTOR	MN2488-OPY-MK				
Q854	6-702-391-01	TRANSISTOR	MP1620-OPY-MK				
△ T901	1-445-652-31	POWER TRANSFORMER (MAIN) (UK, AUS, ECE)					
△ T901	1-445-797-21	POWER TRANSFORMER (MAIN) (US)					
△ T901	1-445-824-21	POWER TRANSFORMER (MAIN) (CND, TW)					
TN1	1-693-737-21	TUNER (FM/AM) (UK, TW, AUS, ECE)					

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

