STR-K995

SERVICE MANUAL

US Model

Ver. 1.0 2007.05

- STR-K995 is the tuner and the amplifier section in HT-DDW995.

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

* Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

** "DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6 ohm loads, both channels driven, from 120 – 20,000 Hz; rated 90 watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Power Output[1)]
Models of area code US
Stereo mode (rated) (6 ohms 1 kHz, THD 1%)
90 W + 90 W
Surround mode (reference) (6 ohms 1 kHz, THD 10%)
RMS output[2)]
FRONT: 140 W per channel
CENTER: 140 W
SURROUND: 140 W per channel

[1)]Measured under the following conditions:

Area code	Power requirements
US	120 V AC, 60 Hz

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

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

Outputs (Analog)
AUDIO OUT: Voltage: 800 mV/ 10 kohms
SUBWOOFER: Voltage: 2 V/1 kohm
Tone
Gain levels: ±6 dB, 1 dB step
Reproduction frequency range:
28 – 20,000 Hz

FM tuner section

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

AM tuner section

Tuning range
With 10-kHz tuning scale:
530 – 1,710 kHz[3)]
With 9-kHz tuning scale:
531 – 1,710 kHz[3)]
Antenna: Loop antenna
Intermediate frequency
450 kHz

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

— Continued on next page —

MULTI CHANNEL AV RECEIVER

9-887-679-01
2007E16-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY®

Video section

Inputs/Outputs

Video:	1 Vp-p, 75 ohms
COMPONENT VIDEO:	
	Y: 1 Vp-p, 75 ohms
	P_B/C_B: 0.7 Vp-p, 75 ohms
	P_R/C_R: 0.7 Vp-p, 75 ohms
	80 MHz HD Pass Through

General

Power requirements

Area code	Power requirements
US	120 V AC, 60 Hz

Power output (DIGITAL MEDIA PORT)

DC OUT:	5 V, 700 mA

Power consumption

Area code	Power consumption
US	200 W

Power consumption (during standby mode)
0.3 W

Dimensions (width/height/depth) (Approx.)
430 × 157.5 × 310 mm (17 × 6 1/4 × 12 1/4 inches) including projecting parts and controls

Mass (Approx.) 7.8 kg (17 lb 4 oz)

Design and specifications are subject to change without notice.

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)

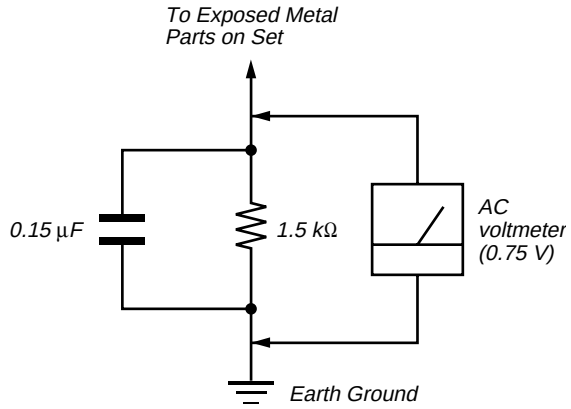


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

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

Notes on chip component replacement

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

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

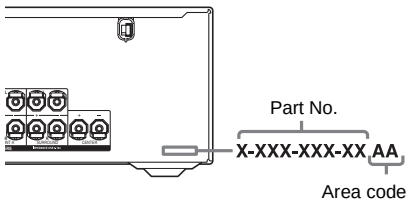
Unleaded solder has the following characteristics.

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

About area codes

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

BACK PANEL



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

Moreover, it is possible to distinguish the model by Part No..

Model	Part No.
US Model	2-897-800-9□

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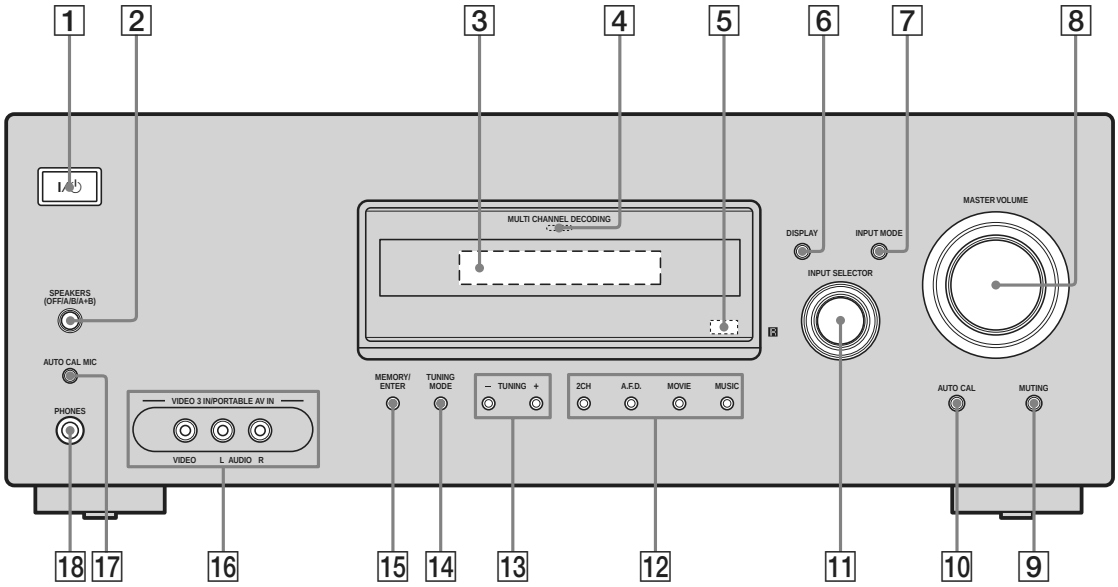
SECTION 1
GENERAL

This section is extracted from instruction manual.

Receiver

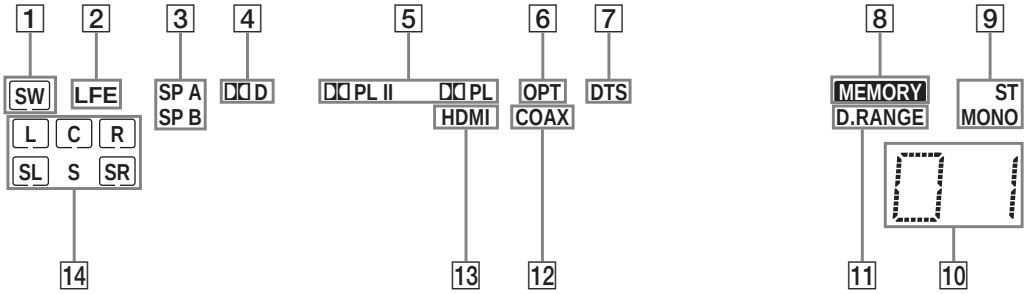
Front panel



Name	Function
1 **I/⏻ (on/standby)**	Press to turn the receiver on or off (page 28, 37, 38, 54, 77).
2 **SPEAKERS (OFF/A/B/A+B)**	Press to select the front speaker system (page 29).
3 **Display**	The current status of the selected component or a list of selectable items appears here (page 7).
4 **MULTI CHANNEL DECODING lamp**	Lights up when multi channel audio is decoded (page 38).
5 **Remote sensor**	Receives signals from remote commander.
6 **DISPLAY**	Press to select information displayed on the display (page 64).
7 **INPUT MODE**	Press to select the input mode when the same components are connected to both digital and analog jacks (page 59).
8 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time (page 34, 35, 37, 38).
9 **MUTING**	Press to mute the sound (page 35).

Name	Function
10 **AUTO CAL**	Press to activate the Auto Calibration function (page 30).
11 **INPUT SELECTOR**	Turn to select the input source to playback (page 35, 37, 38, 55, 58, 59, 61, 63, 65).
12 **2CH**	Press to select a sound field (page 49, 51, 53).
A.F.D.	
MOVIE	
MUSIC	
13 **TUNING +/–**	Press to scan a station (page 55, 58).
14 **TUNING MODE**	Press to select the tuning mode (page 55, 77).
15 **MEMORY/ ENTER**	Press to store a station or enter the selection when selecting the settings (page 28).
16 **VIDEO 3 IN/ PORTABLE AV IN jacks**	Connect to a portable audio/video component such as a camcorder or video game (page 26, 35).
17 **AUTO CAL MIC jack**	Connects to the supplied optimizer microphone for the Auto Calibration function (page 30).
18 **PHONES jack**	Connects to headphones (page 74).

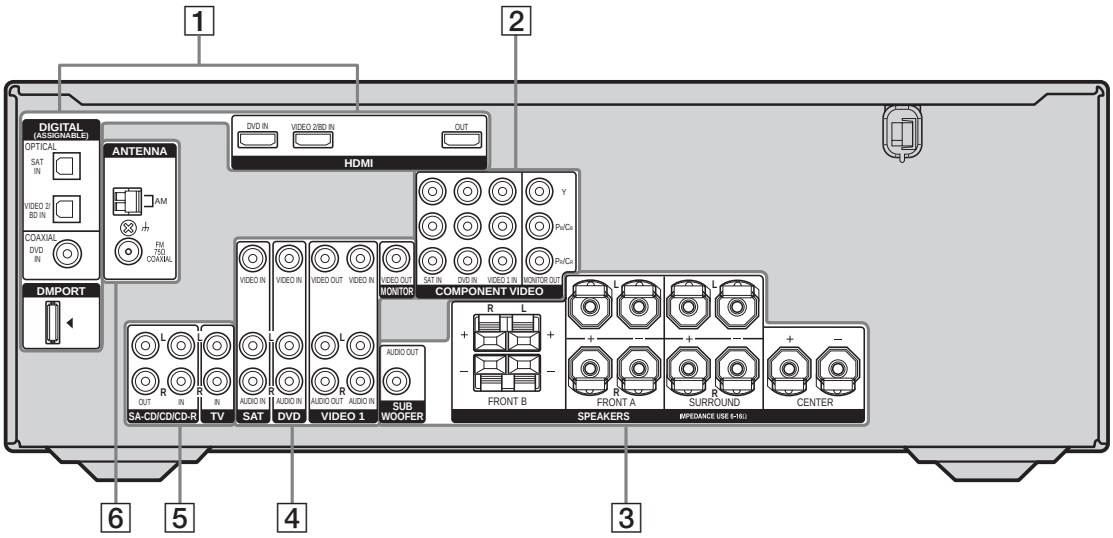
About the indicators on the display



Name	Function
1 **SW**	Lights up when the audio signal is output from the SUB WOOFER jack.
2 **LFE**	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 **SP A/SP B**	Lights up according to the speaker system used. However, these indicators do not light up if the speaker output is turned off or if headphones are connected.
4 **D D**	Lights up when Dolby Digital signals are input. **Note** When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 59).
5 **D D PL/ D D PL II**	"D D PL" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "D D PL II" lights up when the Pro Logic II Movie or Music decoder is activated.
6 **OPT**	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN" (page 59).
7 **DTS**	Lights up when DTS signals are input. **Note** When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 59).

Name	Function
8 **MEMORY**	Lights up when a memory function, such as Preset Memory (page 57), etc., is activated.
9 **Tuner indicators**	Lights up when using the receiver to tune in radio stations (page 54), etc.
10 **Preset station indicators**	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see page 56.
11 **D.RANGE**	Lights up when dynamic range compression is activated (page 42).
12 **COAX**	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN" (page 59).
13 **HDMI**	Lights up when the receiver recognizes a component connected via a HDMI IN jack (page 20).
14 **Playback channel indicators**	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound. **L** Front Left **R** Front Right **C** Center (monaural) **SL** Surround Left **SR** Surround Right **S** Surround (monaural or the surround components obtained by Pro Logic processing) **Example:** Recording format (Front/Surround): 3/2.1 Sound Field: A.F.D. AUTO SW L C R SL SR

Rear panel



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN jack	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud sound (page 23, 25).
	COAXIAL IN jack	
	HDMI IN/ OUT jack[a)]	Connects to a DVD player, or a Blu-ray disc player. The image and the sound are output to a TV or a projector (page 20).
	DMPORT jack	Connect to a DIGITAL MEDIA PORT adapter (page 60).

2 COMPONENT VIDEO INPUT/ OUTPUT section

Green (Y) Blue (P_B/C_B) Red (P_R/C_R)	COMPONENT VIDEO INPUT/ OUTPUT jack[a)]	Connects to a DVD player, TV, satellite tuner, etc. You can enjoy high quality image (page 22, 23, 25).

3 SPEAKERS section

+ – + –		Connects to speakers (page 17).
		Connects to sub woofer (page 17).

4 VIDEO/AUDIO INPUT/OUTPUT section

White (L) Red (R)	AUDIO IN/ OUT jack	Connects the video and audio jacks of a VCR, a DVD player, etc. (page 22–26).
Yellow	VIDEO IN/ OUT jack[a)]	

5 AUDIO INPUT/OUTPUT section

White (L) Red (R)	AUDIO IN/ OUT jack	Connects to Super Audio CD player, CD player, etc. (page 18).

6 ANTENNA section

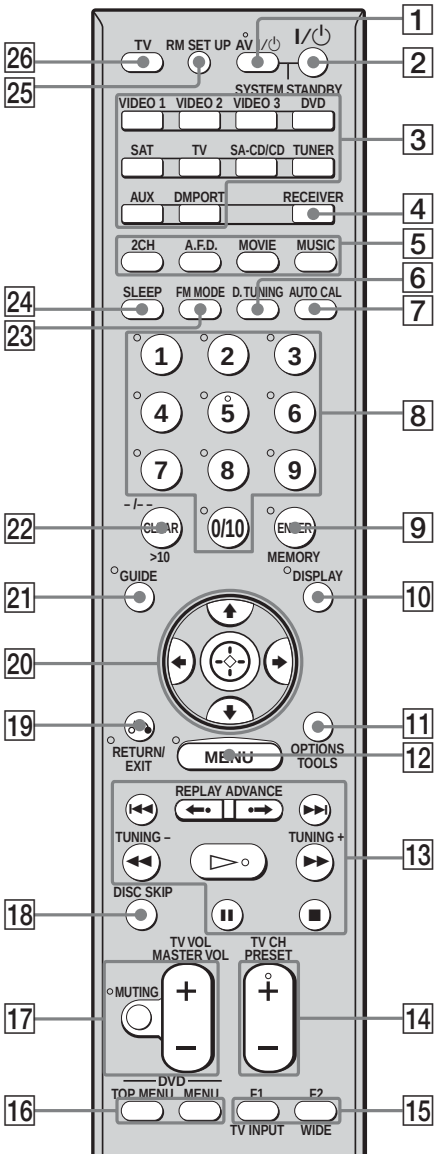
	FM ANTENNA jack	Connects to the FM wire antenna supplied with this receiver (page 27).
	AM ANTENNA terminals	Connects to the AM loop antenna supplied with this receiver (page 27).

a) You can watch the selected input image when you connect the HDMI OUT or MONITOR OUT jack to a TV (page 22).

Remote commander

You can use the supplied remote to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.
You can also program the remote to control non-Sony audio/video components. For details, see “Programming the remote” (page 66).

RM-AAP017



Name	Function
1 **AV I/⏻ (on/standby)**	Press to turn on or off the audio/video components that the remote is programmed to operate. To turn the TV on or off, press TV (26) and then press AV I/⏻. If you press I/⏻ (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). **Note** The function of the AV I/⏻ switch changes automatically each time you press the input buttons (3).
2 **I/⏻ (on/standby)**	Press to turn the receiver on or off. To turn off all components, press I/⏻ and AV I/⏻ (1) at the same time (SYSTEM STANDBY).
3 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can program the remote to control non-Sony components following the steps in "Programming the remote" on page 66.

Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 2)
VIDEO 3	VCR (VTR mode 1)
DVD	DVD player
SAT	Satellite tuner
TV	TV
SA-CD/CD	Super Audio CD/ CD player
TUNER	Built-in tuner
AUX	Not assigned
DMPORT	DIGITAL MEDIA PORT adapter

Name	Function
4 **RECEIVER**	Press to activate the receiver operation (page 39).
5 **2CH**	Press to select a sound field (page 49, 51, 53).
A.F.D.	
MOVIE	
MUSIC	
6 **D. TUNING**	Press to enter direct tuning mode.
7 **AUTO CAL**	Press to activate the Auto Calibration function.
8 **Numeric buttons (number 5[a])**	Press to – preset/tune to preset stations. – select track numbers of the CD player, VCD player, LD player, DVD player, MD deck, DAT deck, or tape deck. Press 0/10 to select track number 10. – select channel numbers of the VCR, satellite tuner, Blu-ray disc recorder, PSX, DVD/ VHS COMBO or DVD/HDD COMBO. Press TV (26) and then press the numeric buttons to select the TV channels.
9 **ENTER**	Press to enter the value after selecting a channel, disc or track using the numeric buttons of the VCR, CD player, VCD player, LD player, MD deck, DAT deck, tape deck, satellite tuner, Blu-ray disc recorder or PSX. To enter the value of Sony TV, press TV (26) and then press ENTER.
MEMORY	Press to store a station during tuner operation.
10 **DISPLAY**	Press to select information displayed on the TV screen of the VCR, VCD player, LD player, DVD player, CD player, MD deck, Blu-ray disc recorder, PSX, satellite tuner, DVD/VHS COMBO or DVD/ HDD COMBO. To select information of Sony TV, press TV (26) and then press DISPLAY.

Name	Function
11 **OPTIONS TOOLS**	Press to display and select items from the option menus for DVD player or DVD/VHS COMBO. To display the options of Sony TV, press TV (26) and then press OPTIONS TOOLS.
12 **MENU**	Press to display the menus of the receiver, VCR, DVD player, satellite tuner, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO on the TV screen. Then, use ↑/↓/←/→ and ⊕ to perform menu operations. To display the menus of Sony TV, press TV (26) and then press MENU.
13 ▷ **a) b)**	Press to start playback of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
II b)	Press to pause playback or recording of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO. (Also starts recording with components in recording standby.)
■ b)	Press to stop playback of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
◀◀/▶▶ b)	Press to – search tracks in the forward/backward direction of the CD player, VCD player, DVD player, LD player, MD deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO, or DVD/HDD COMBO. – fast forward/rewind of the VCR, DAT deck, or tape deck.
I◀◀ /▶▶I b)	Press to skip tracks of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
TUNING +/–	Press to scan a station.
REPLAY ←·/ ADVANCE ·→	Press to replay the previous scene or fast forward the current scene of the DVD player, Blu-ray disc recorder, DVD/VHS COMBO or DVD/HDD COMBO.
14 **TV CH + a)/–**	Press TV (26) and then press TV CH +/– to select preset TV channels.
PRESET + a)/–	Press to – select preset stations. – select preset channels of the VCR, satellite tuner, Blu-ray disc recorder, DVD player, DVD/VHS COMBO or DVD/HDD COMBO.
15 **F1, F2**	Press F1 or F2 to select a component. – DVD/HDD COMBO F1: HDD mode F2: DVD mode – DVD/VHS COMBO F1: DVD mode F2: VHS mode
TV INPUT	Press TV (26) and then press TV INPUT to select the input signal (TV input or video input).
WIDE	Press TV (26) and then press WIDE to select the wide picture mode.
16 **DVD TOP MENU**	Press to display the menu or on-screen guide of the DVD player on the TV screen. Then, use ↑/↓/←/→ and ⊕ to perform menu operations.
DVD MENU	Press to display the menu of the DVD player on the TV screen. Then, use ↑/↓/←/→ and ⊕ to perform menu operations.

Name		Function
17	**TV VOL +/–**	Press TV (26) and then press TV VOL +/– to adjust the TV volume level.
	MASTER VOL +/–	Press to adjust the volume level of all speakers at the same time.
	MUTING	Press to mute the sound (page 35). To mute the sound of the TV, press TV (26) and then press MUTING.
18	**DISC SKIP**	Press to skip disc of the CD player, VCD player, DVD player or MD deck (multi-disc changer only).
19	**RETURN/ EXIT ↶**	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCD player, LD player, DVD player, Blu-ray disc recorder, PSX, DVD/VHS COMBO or satellite tuner is displayed on the TV screen. To return to the previous menu of Sony TV, press TV (26) and then press RETURN/EXIT ↶.
20	⊕ ↑/↓/←/→	After pressing RECEIVER (4), press MENU (12) for receiver operation, then press ↑/↓/←/→ to select the settings. After pressing DVD TOP MENU (16) or DVD MENU (16), press ↑/↓/←/→ to select the settings, and then press ⊕ to enter the selection. Press ⊕ also to enter the selection of the receiver, VCR, satellite tuner, DVD player, Blu-ray disc recorder, PSX, DVD/VHS COMBO or DVD/HDD COMBO.
21	**GUIDE**	Press to display the EPG (Electronic Program Guide) of the TV, DVD player, satellite tuner, Blu-ray disc recorder, PSX or DVD/HDD COMBO.

Name		Function
22	**-/--**	Press to select the channel entry mode, either one or two digit of the VCR or satellite tuner. To select the channel entry mode of the TV, press TV (26) and then press -/--.
	CLEAR	Press to clear a mistake when you press the incorrect numeric button of the DVD player, Blu-ray disc recorder, PSX, satellite tuner, DVD/ VHS COMBO or DVD/HDD COMBO.
	>10	Press to select track numbers over 10 of the CD player, VCD player, LD player, MD deck, tape deck, TV, VCR or satellite tuner.
23	**FM MODE**	Press to select FM monaural or stereo reception.
24	**SLEEP**	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.
25	**RM SET UP**	Press to set up the remote.
26	**TV**	Press to light up the button. It changes the remote key function to activate the buttons with orange printing. It also activate the DISPLAY (10), OPTIONS TOOLS (11), MENU (12), RETURN/EXIT ↶ (19), ⊕ (20) and ↑/↓/←/→ (20) buttons to perform menu operations for Sony TVs only.

[a] The number 5, PRESET +, TV CH + and ▷ buttons have tactile dots. Use the tactile dots as references when operating the receiver.

[b] The button is also available for DIGITAL MEDIA PORT adapter operation. For details on the function of the button, see the operating instructions supplied with the DIGITAL MEDIA PORT adapter.

Notes

Some functions explained in this section may not work depending on the model.

The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

The AUX button on the remote is not available for receiver operation.

SECTION 2
TEST MODE

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 2CH button, press the power I/⏻ button to turn on the main power.
2. The message "S.F. CLR." appears and initialization is performed. (3 second)

SOFTWARE VERSION DISPLAY MODE

The software version is displayed.

Procedure:

1. While depressing the SPEAKERS (OFF/A/B/A+B) and the DISPLAY buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. The model name, destination and the software version are displayed. (8 second)

KEY CHECK MODE

Button check

Procedure:

1. While depressing the SPEAKERS (OFF/A/B/A+B) and the 2CH buttons simultaneously, press the power I/⏻ button to turn on the main power.
   "REST 13" appears.
2. Every pressing of any button other than I/⏻ counts down the buttons. The buttons which are already counted once are not counted again.
3. When all buttons are pressed "REST 00" appears.

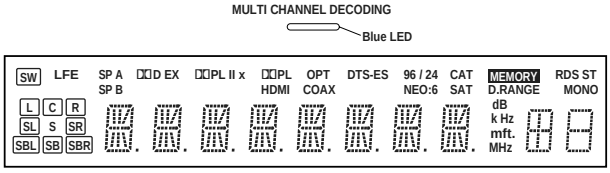
FLUORESCENT INDICATOR TUBE TEST MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

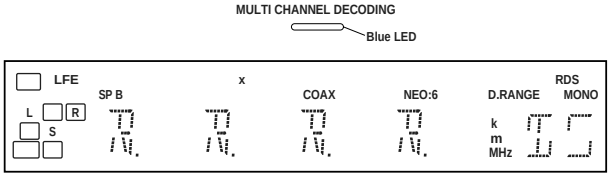
1. While depressing the TUNING MODE and the DISPLAY buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. All segments turn on.

• Blue LED of MULTI CHANNEL DECODING lights.



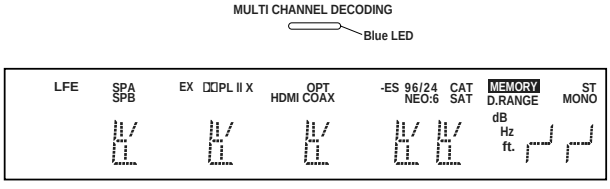
3. Turn the INPUT SELECTOR dial.

• Blue LED of MULTI CHANNEL DECODING is turned off.



4. Turn the INPUT SELECTOR dial once again.

• Blue LED of MULTI CHANNEL DECODING lights.



5. Turn the INPUT SELECTOR dial once again. All segments turn off.
6. Every turning of the INPUT SELECTOR dial turns on each segment one after another in the same order.

SWAP ALL MODE

The signal will be swapped to all channels so that all speakers will have sound output.

Procedure:

1. While depressing the SPEAKERS (OFF/A/B/A+B) and the A.F.D. buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. "SWAP" appears. (No change while displayed.)

SHIPMENT MODE

All preset contents are reset to the default setting.

Procedure:

1. While depressing the SPEAKERS (OFF/A/B/A+B) and the MUSIC buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. "CLEARED" appears and switch off the set.

PROTECTOR

If an error occurs, the "Protector Display" will flash for a while and the power is turned OFF.

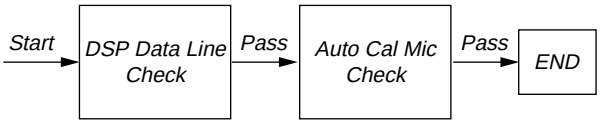
Procedure:

1. While depressing the TUNING – and the A.F.D. buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. "PROTEVER" appears (3 seconds).

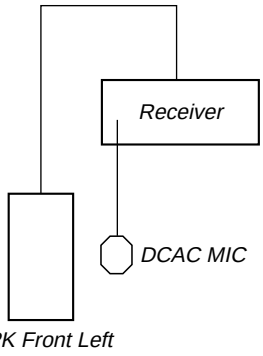
DCAC FACTORY TEST MODE

DCAC Factory Test mode have two stages:

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



Factory Test System Setup



1. When power off :
   Press the three buttons MEMORY/ENTER + MOVIE + I/⏻ .
   "DCAC□FTM" appears.
   Afterward, press the TUNING MODE to start DCAC factory test mode.

1. DCAC DSP Data Line Checking

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

"DCAC□□□x" x = 1, 2, 3, 4

If there is error happen, below display will show:

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

2. DCAC board Checking

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

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

VACS CONTROL

The VACS feature of the amplifier is turned off purposely.

Procedure:

1. While depressing the MEMORY/ENTER and the 2CH buttons simultaneously, press the power I/⏻ button to turn on the main power.
2. "VACS OFF" appears. (8 second)

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

- Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
- Procedure:
  Set the FUNCTION to AM. Turn off the main power.
  While depressing the TUNING MODE button, press the power I/⏻ button to turn on the main power. Either the message "9 k STEP" or "10 k STEP" appears. Select the desired step.

BLUE LED TEST MODE

- LED illumination check

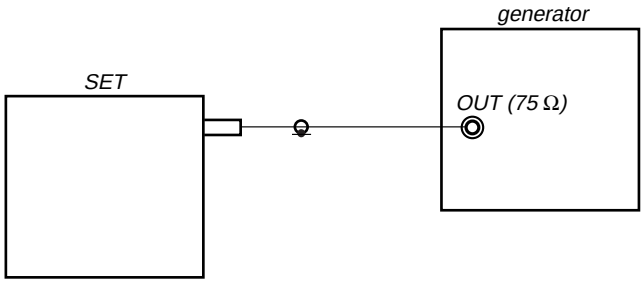
Procedure:

1. While depressing the TUNING MODE and INPUT MODE simultaneously, press I/⏻ . Then, "B. LED ON" or "B. LED OFF" is displayed.
2. When "B. LED ON" is displayed, the LED of the "MULTI CHANNEL DECODING" area at the top of the display illuminates.

SECTION 3
ELECTRICAL ADJUSTMENT

TUNER SECTION

[FM Auto Stop Check]



Procedure:

1. Turn the power on.
2. Input the following signal from Signal Generator to FM antenna input directly.

* Carrier Freq : A = 87.5 MHz, B = 98 MHz, C = 108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 35 dBu (EMF)

Note: Please 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

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

For Schematic Diagrams.
Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : 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.

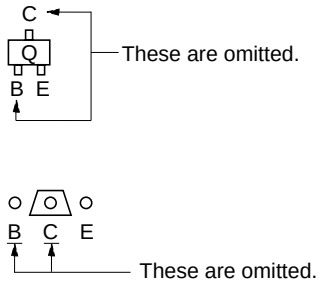
- : B+ Line.
- : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  No mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.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

For Printed Wiring Boards.
Note:

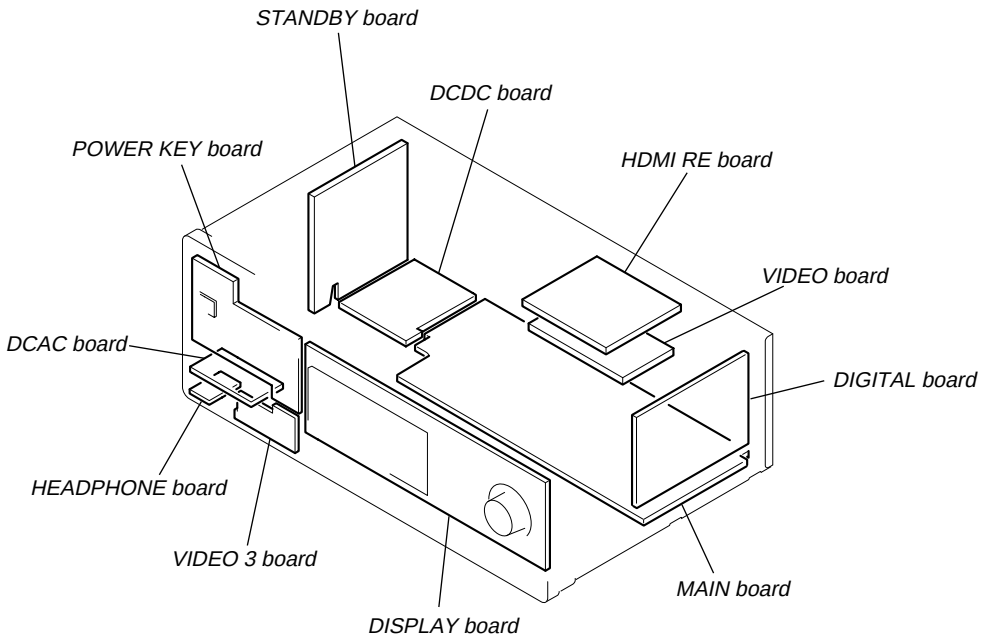
- : parts extracted from the component side.
- ○ : Through hole.
- △ : internal component.
- : Pattern from the side which enables seeing.

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

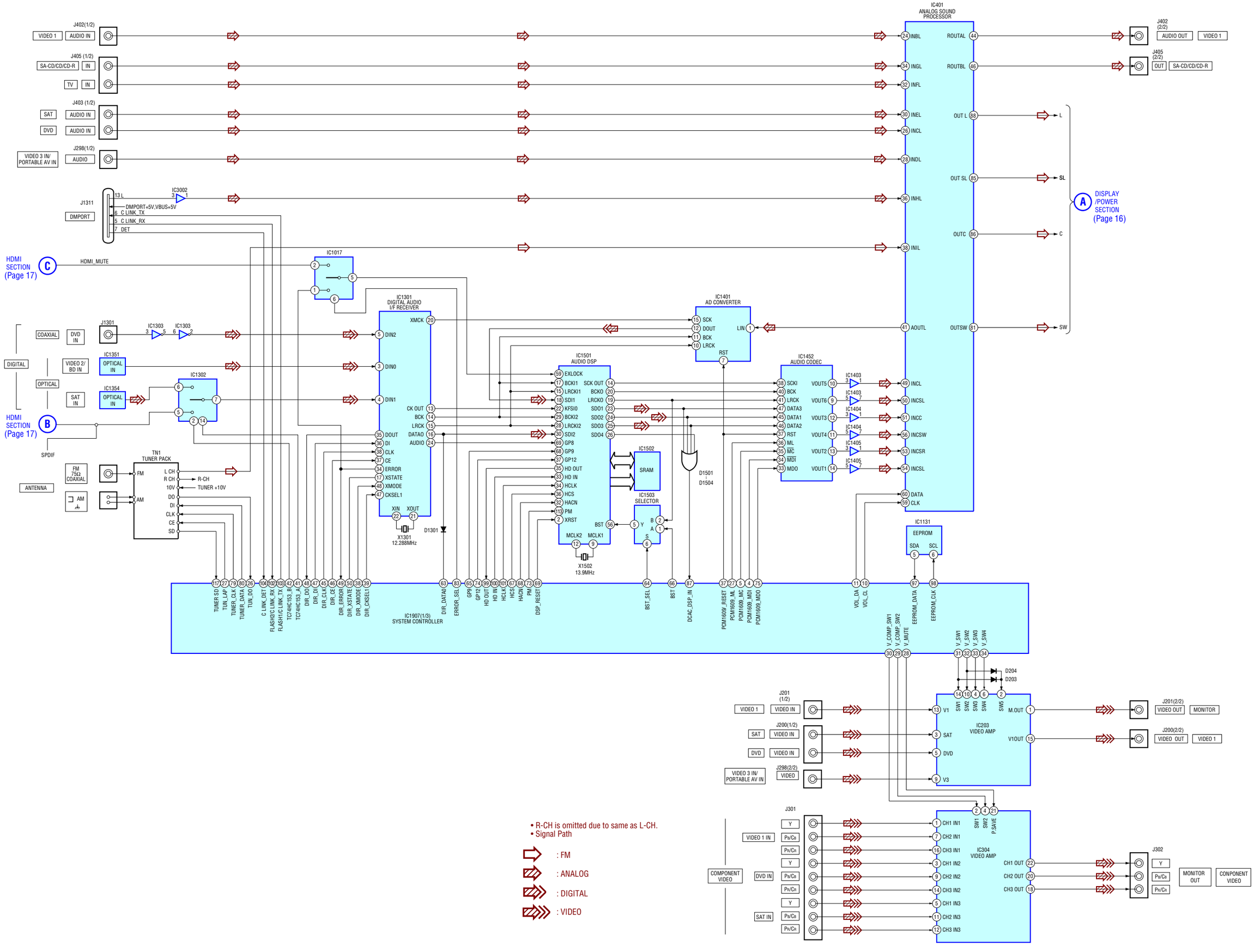
- Indication of transistor.



- **Circuit Boards Location**



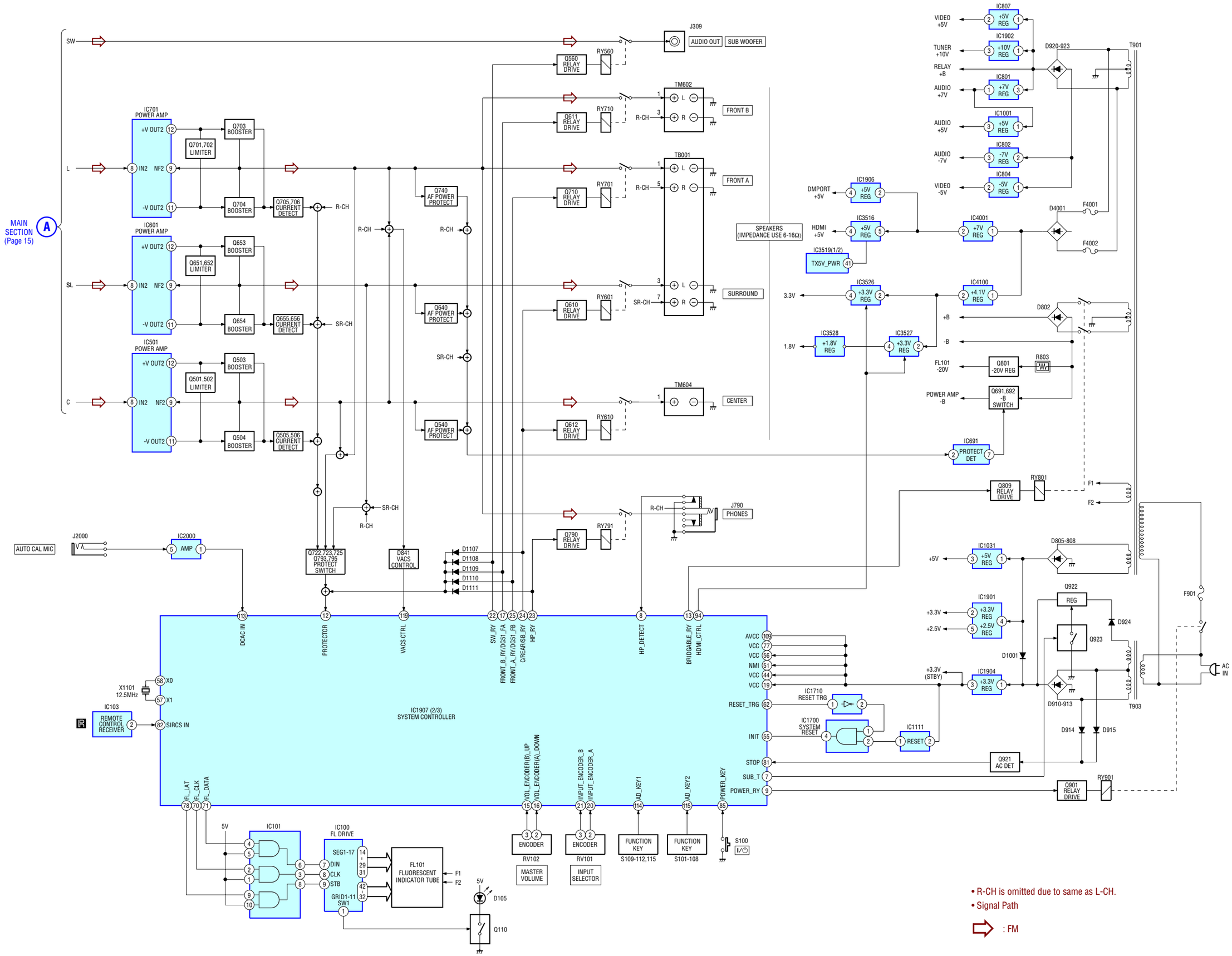
4-1. BLOCK DIAGRAM – MAIN SECTION –



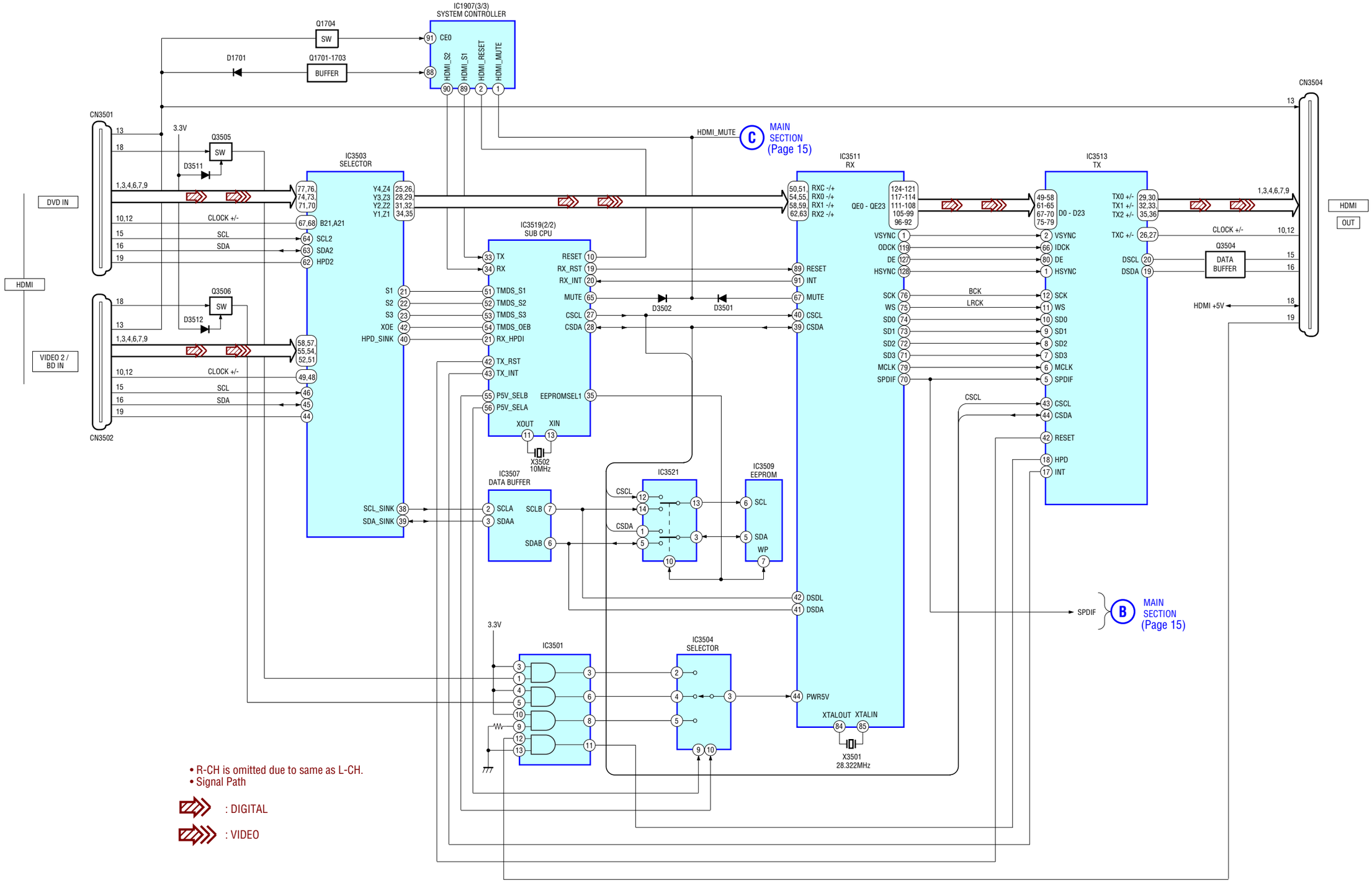
• R-CH is omitted due to same as L-CH.
• Signal Path

: FM
: ANALOG
: DIGITAL
: VIDEO

4-2. BLOCK DIAGRAM – DISPLAY/POWER SECTION –



4-3. BLOCK DIAGRAM – HDMI SECTION –

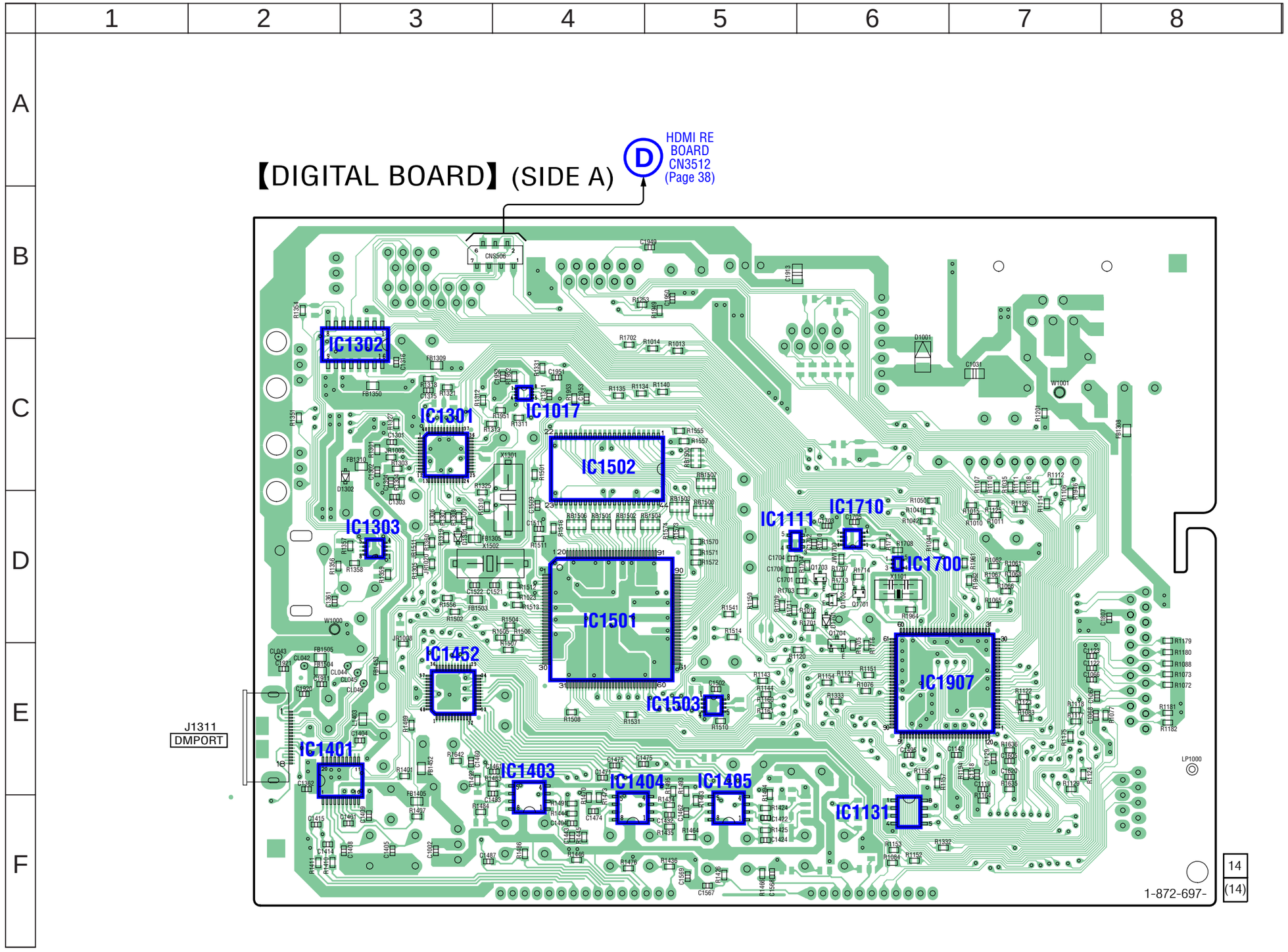


4-4. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE A) –

• See page 14 for Circuit Boards Location.

:Uses unleaded solder.

【DIGITAL BOARD】(SIDE A)



- **Semiconductor Location**

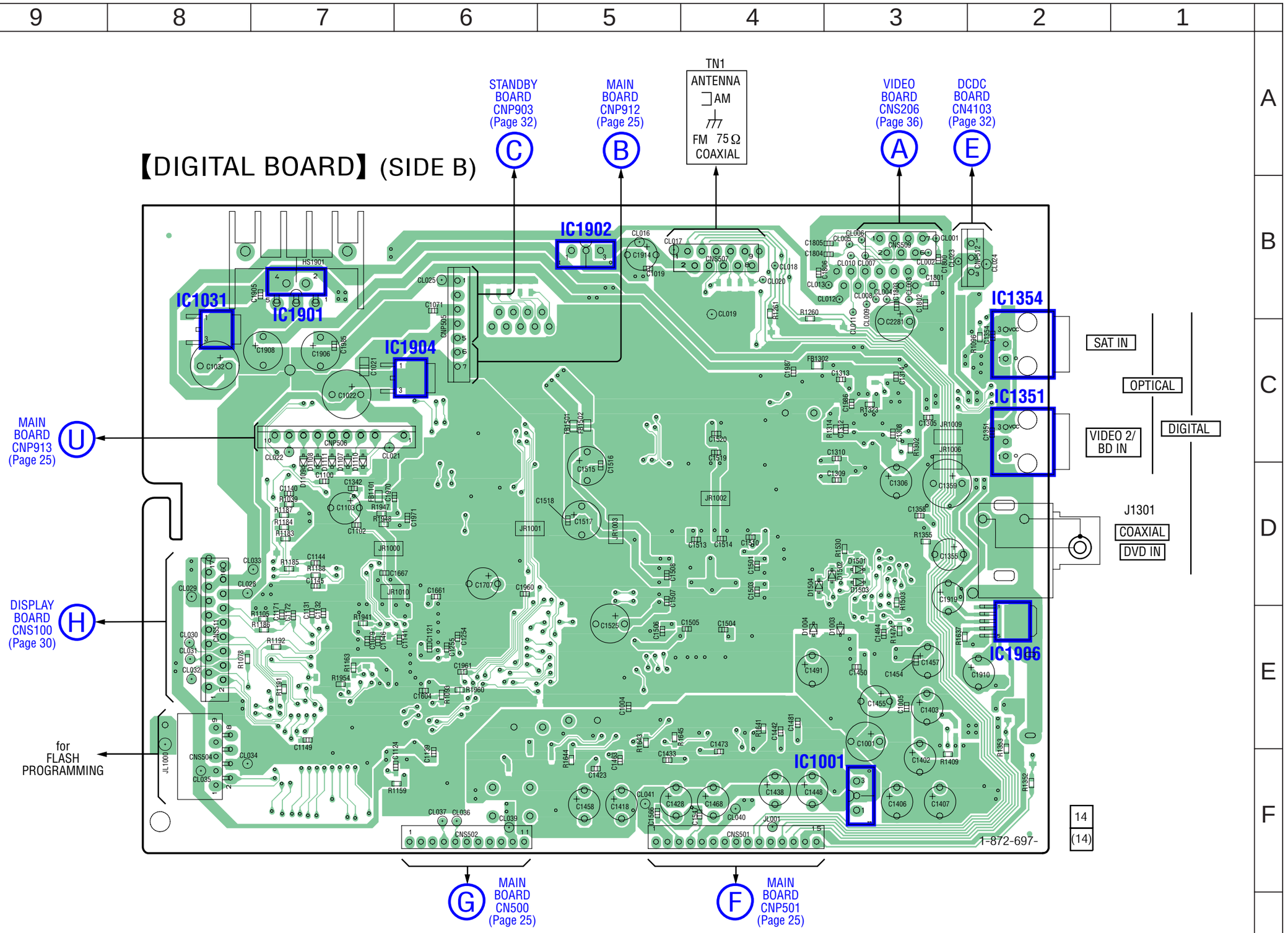
Ref. No.	Location
D1001	C-6
D1301	D-3
D1302	C-3
D1701	D-6
IC1017	C-4
IC1111	D-5
IC1131	F-6
IC1301	C-3
IC1302	C-3
IC1303	D-3
IC1401	E-2
IC1403	E-4
IC1404	F-4
IC1405	F-5
IC1452	E-3
IC1501	D-4
IC1502	C-4
IC1503	E-5
IC1700	D-6
IC1710	D-6
IC1907	E-6
Q1701	D-6
Q1702	D-6
Q1703	D-6
Q1704	E-6

4-5. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE B) –

• See page 14 for Circuit Boards Location.

:Uses unleaded solder.

【DIGITAL BOARD】(SIDE B)

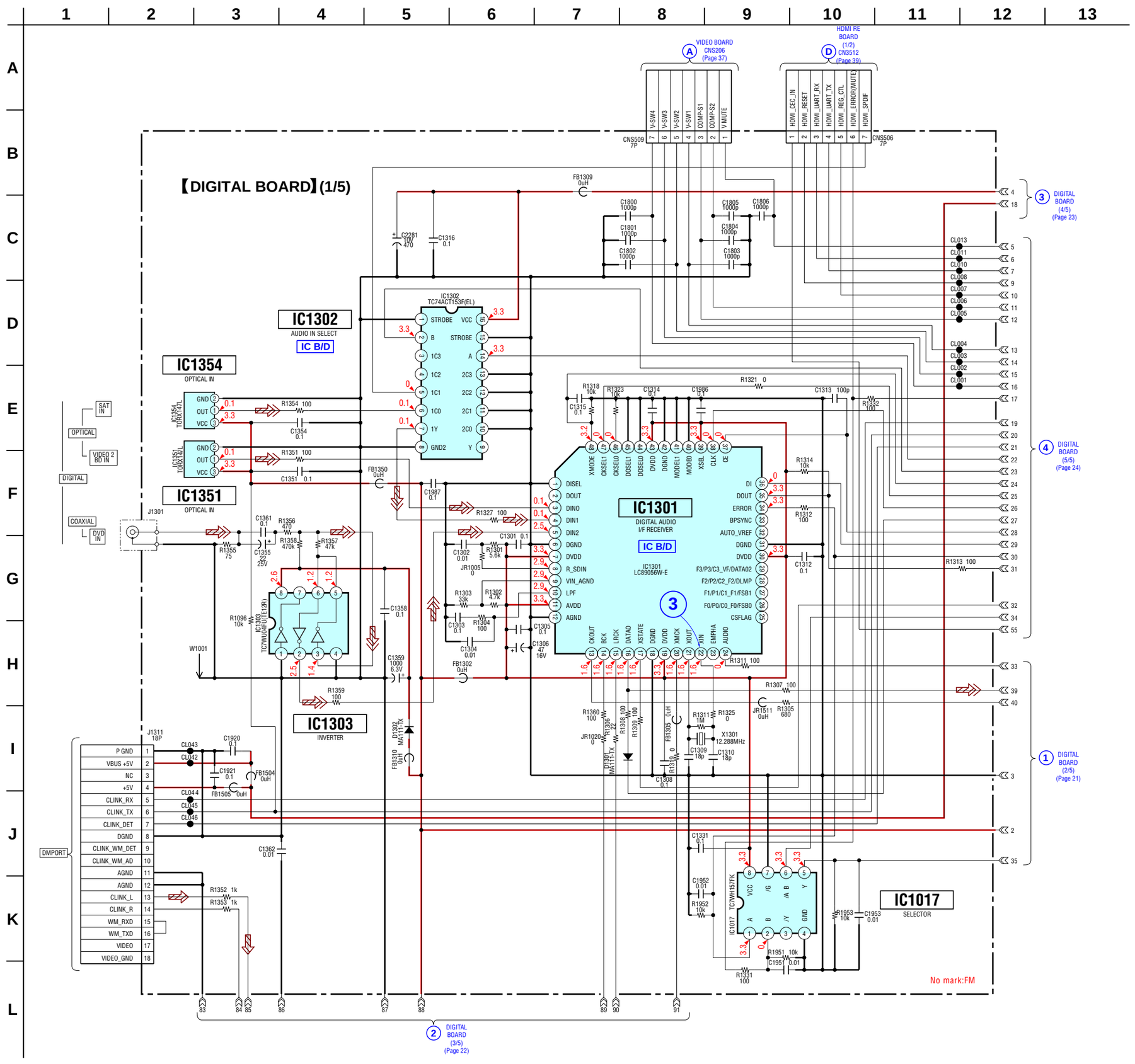


- **Semiconductor Location**

Ref. No.	Location
D1003	E-3
D1004	E-4
D1107	C-7
D1108	C-7
D1109	C-7
D1110	C-7
D1111	C-7
D1501	D-3
D1502	D-3
D1503	D-3
D1504	D-4
IC1001	F-3
IC1031	B-8
IC1351	C-2
IC1354	C-2
IC1901	B-7
IC1902	B-5
IC1904	C-6
IC1906	E-2

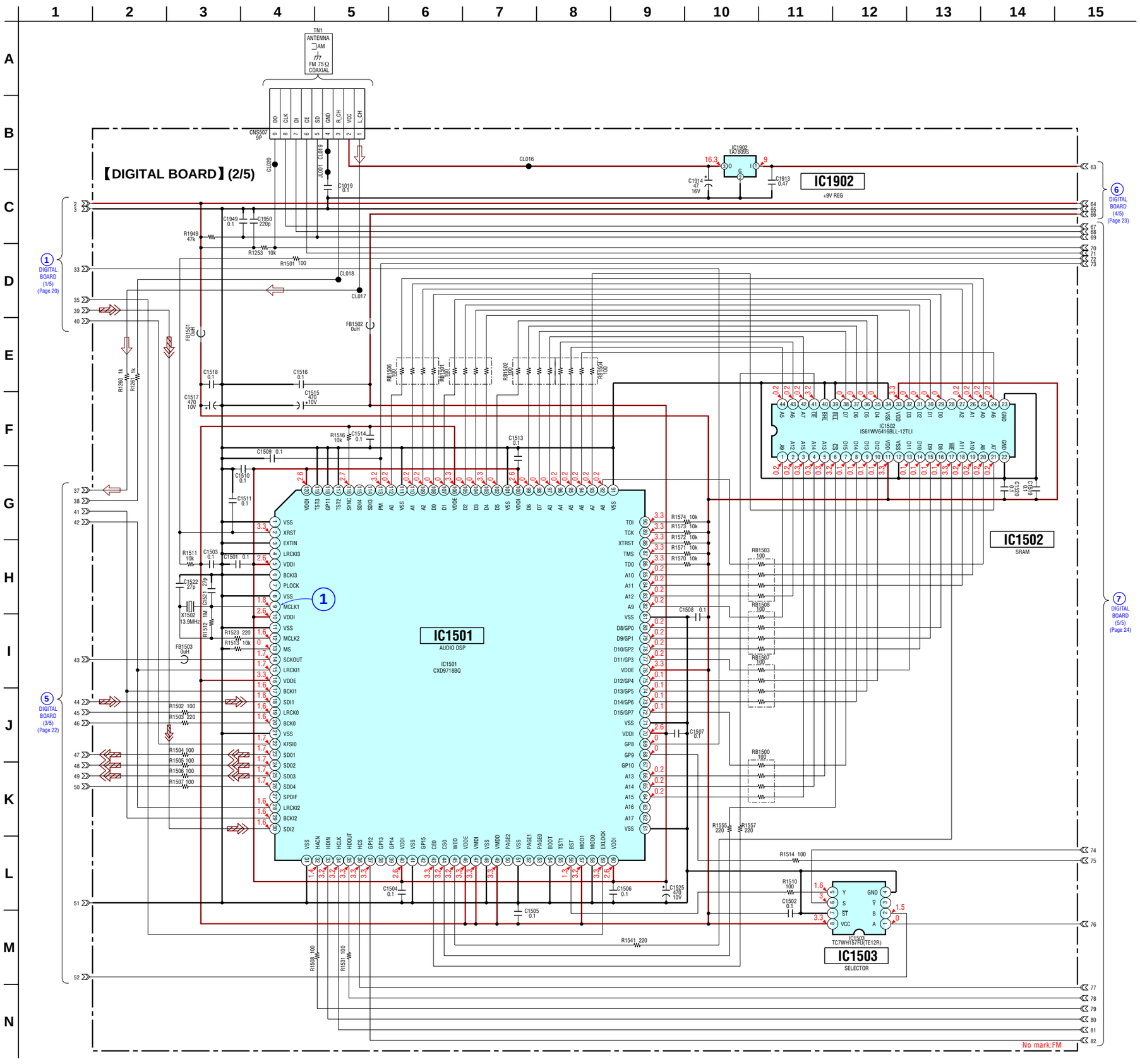
4-6. SCHEMATIC DIAGRAM – DIGITAL BOARD (1/5) –

• See page 41 for Waveform. • See page 42 for IC Block Diagram.



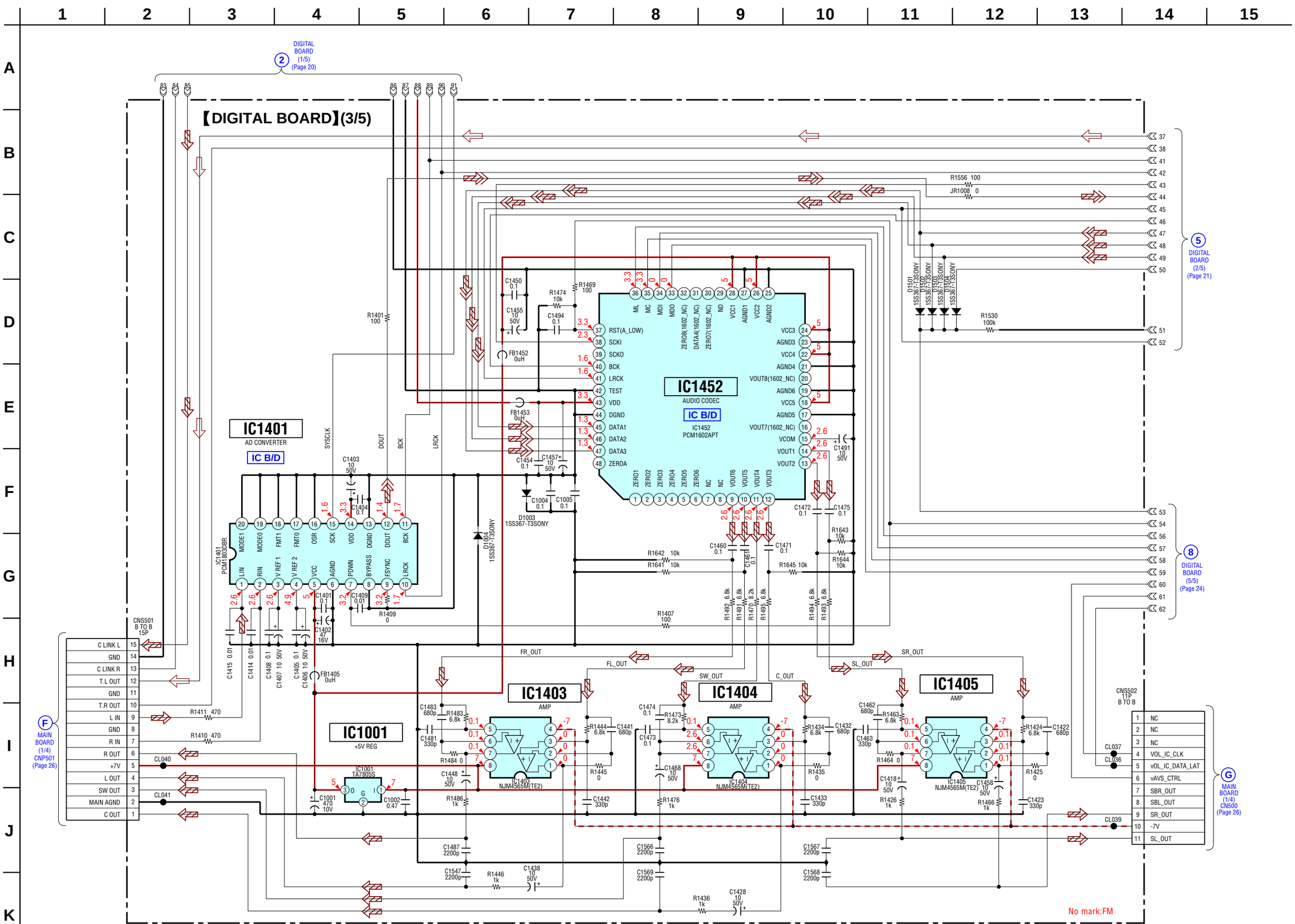
4-7. SCHEMATIC DIAGRAM – DIGITAL BOARD (2/5) –

• See page 41 for Waveform. • See page 47 for IC Pin Function Description.

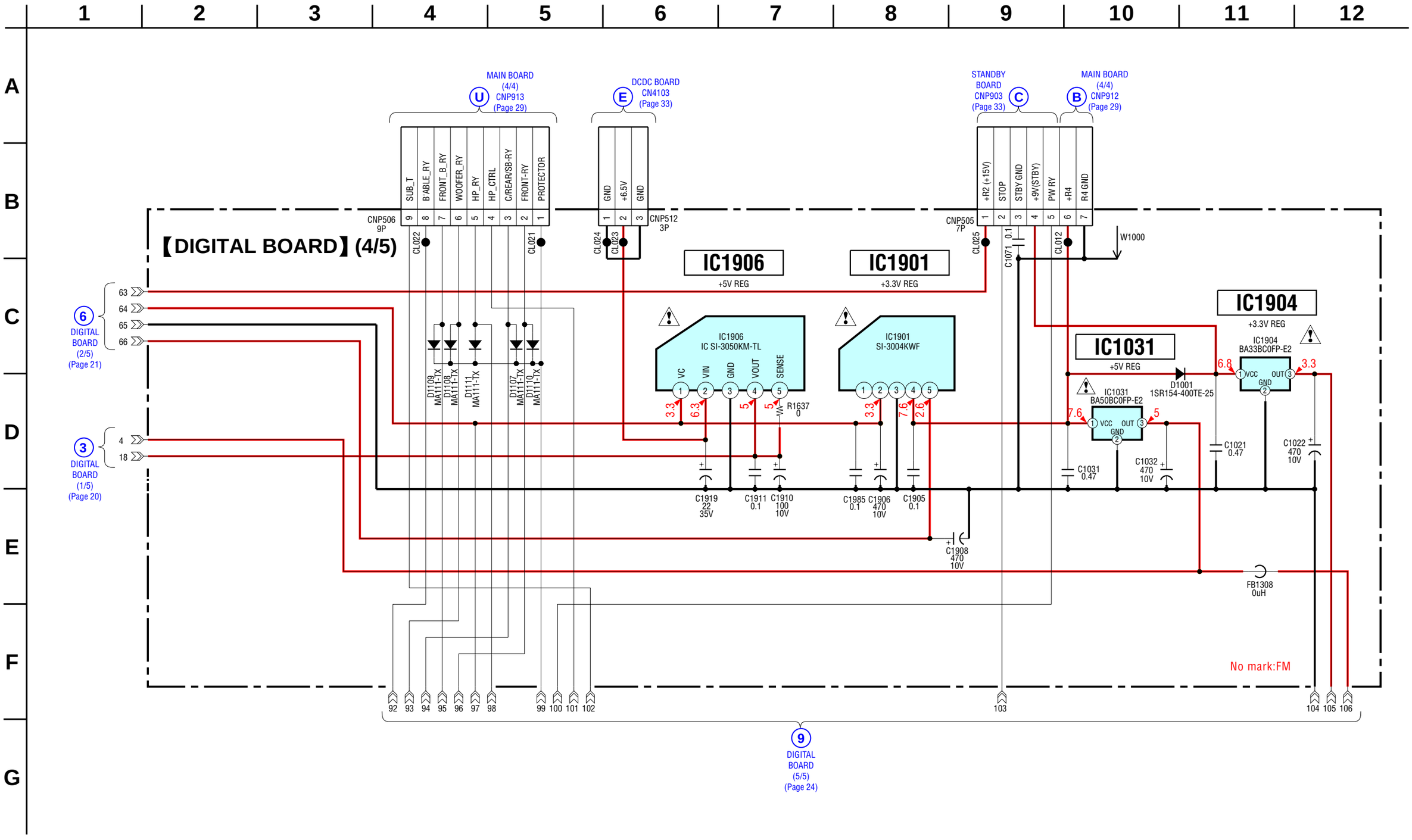


4-8. SCHEMATIC DIAGRAM – DIGITAL BOARD (3/5) –

• See page 42, 43 for IC Block Diagrams.

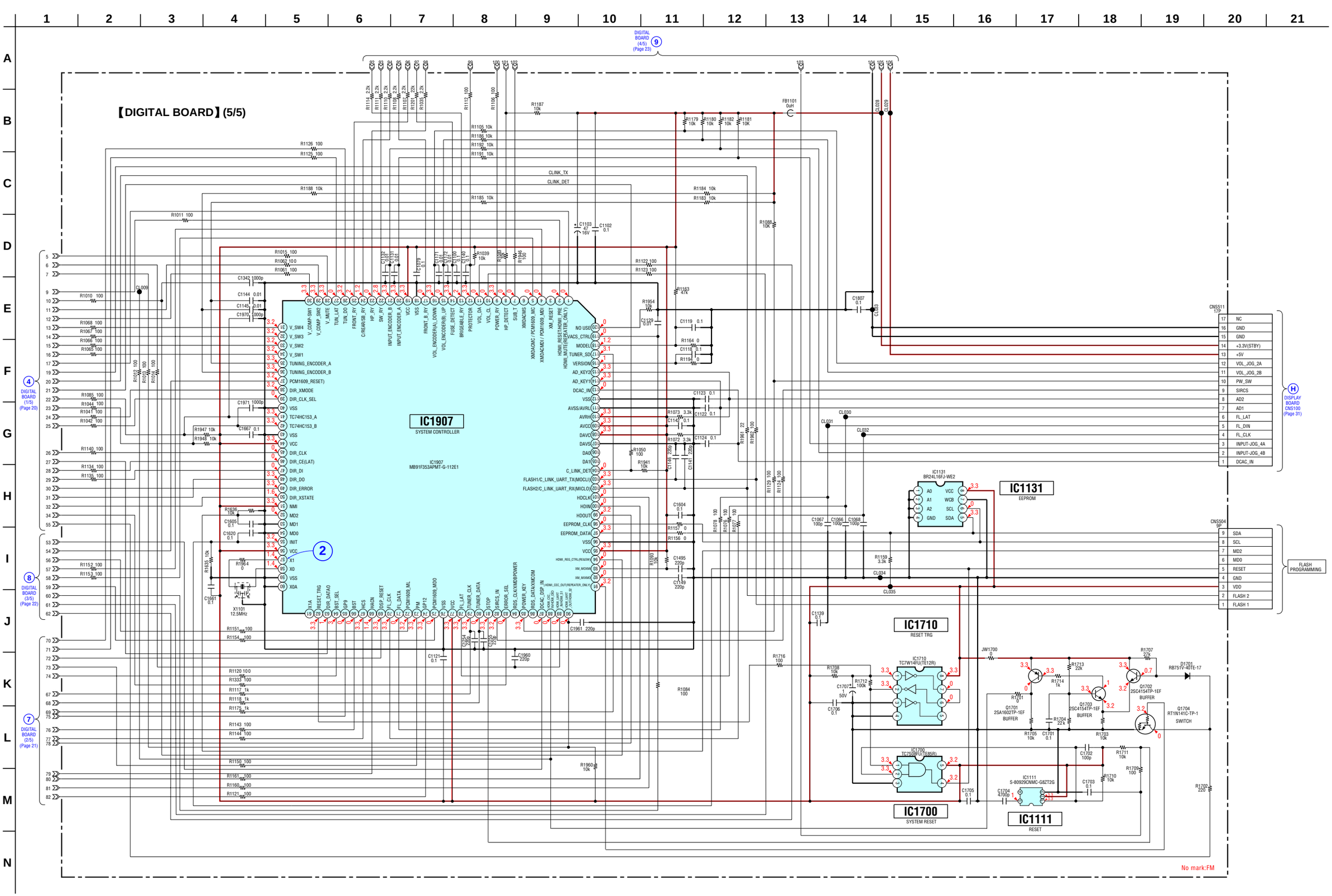


4-9. SCHEMATIC DIAGRAM – DIGITAL BOARD (4/5) –



4-10. SCHEMATIC DIAGRAM – DIGITAL BOARD (5/5) –

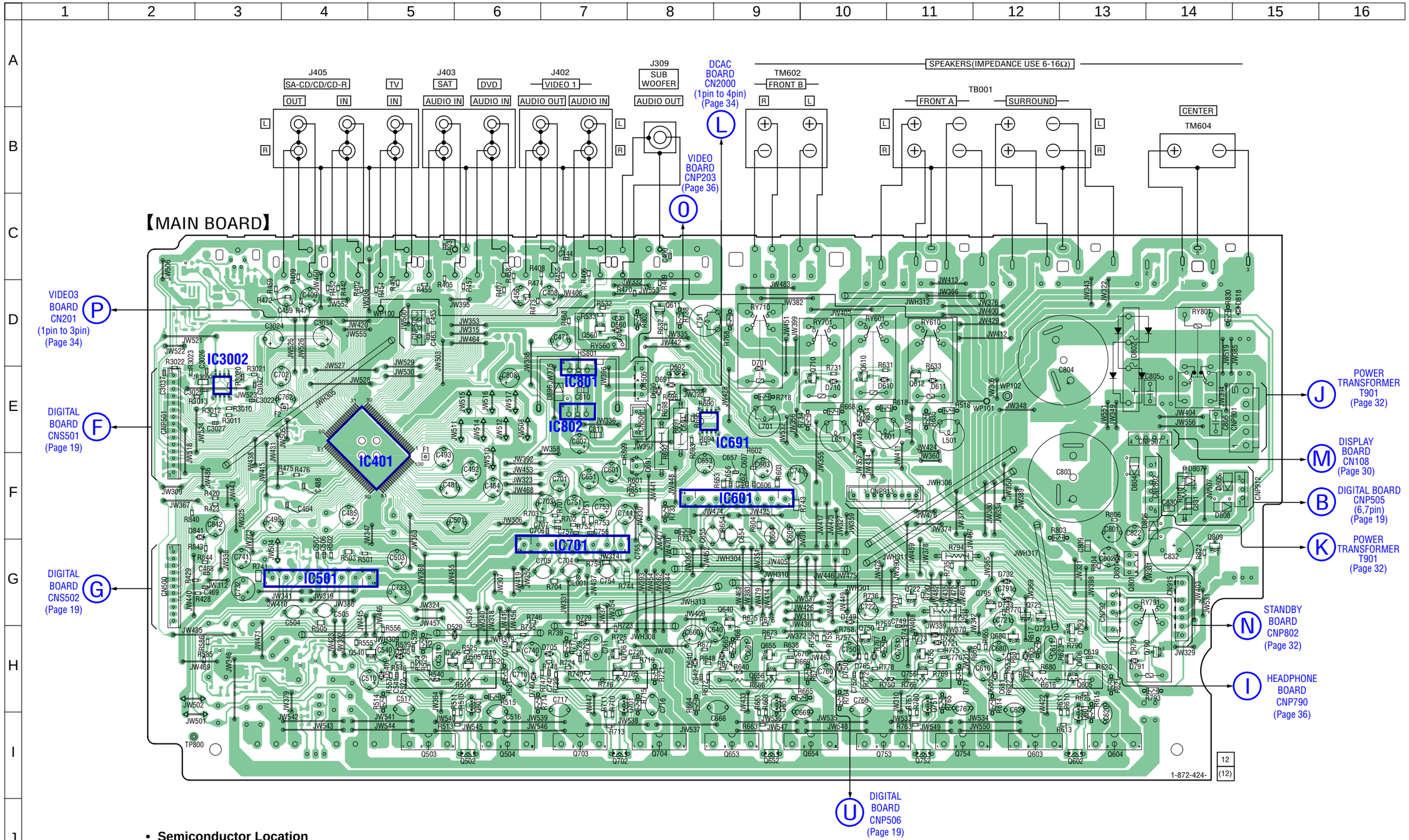
• See page 41 for Waveform. • See page 49 for IC Pin Function Description.



4-11. PRINTED WIRING BOARD – MAIN BOARD –

• See page 14 for Circuit Boards Location.

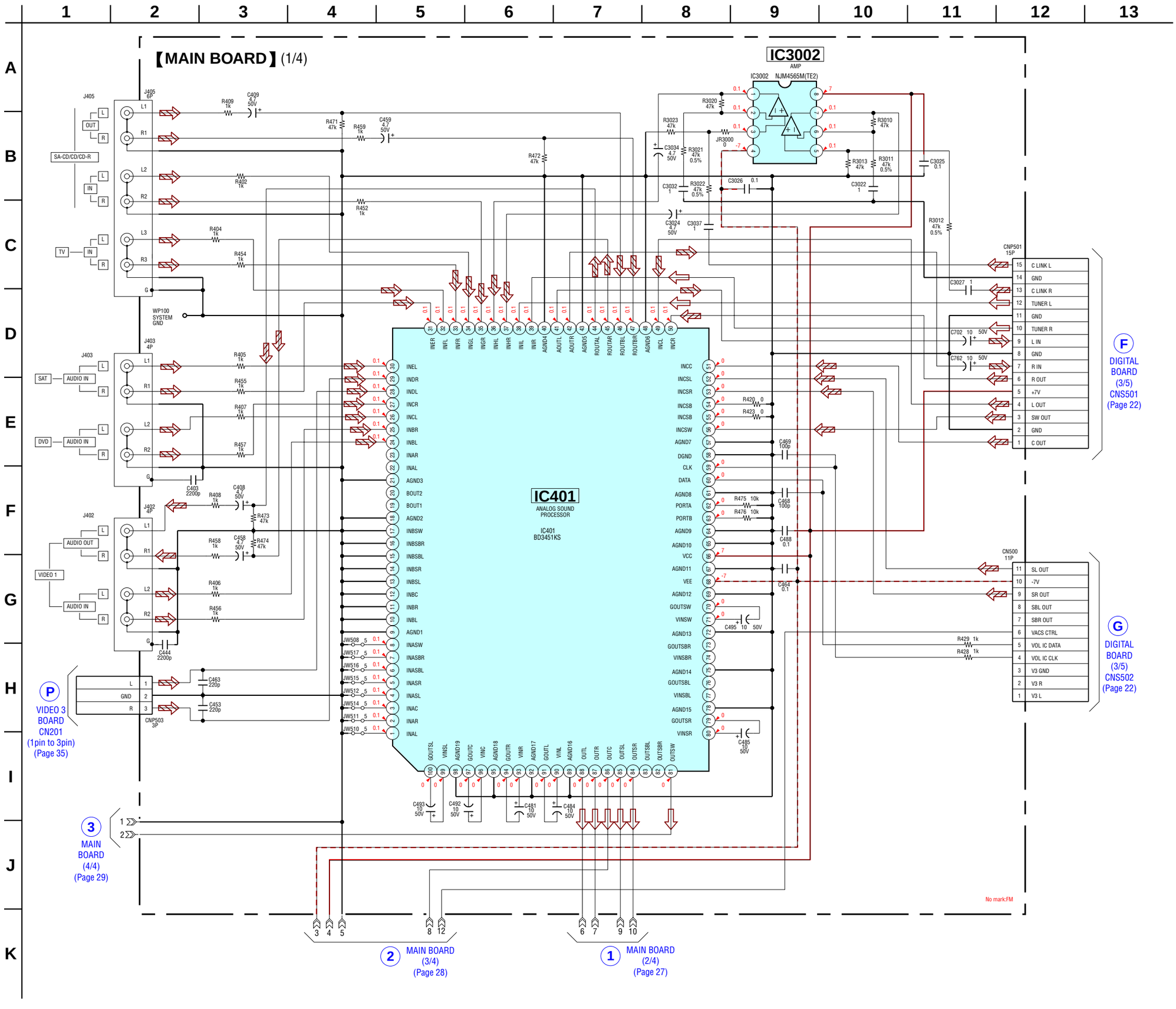
:Uses unleaded solder.



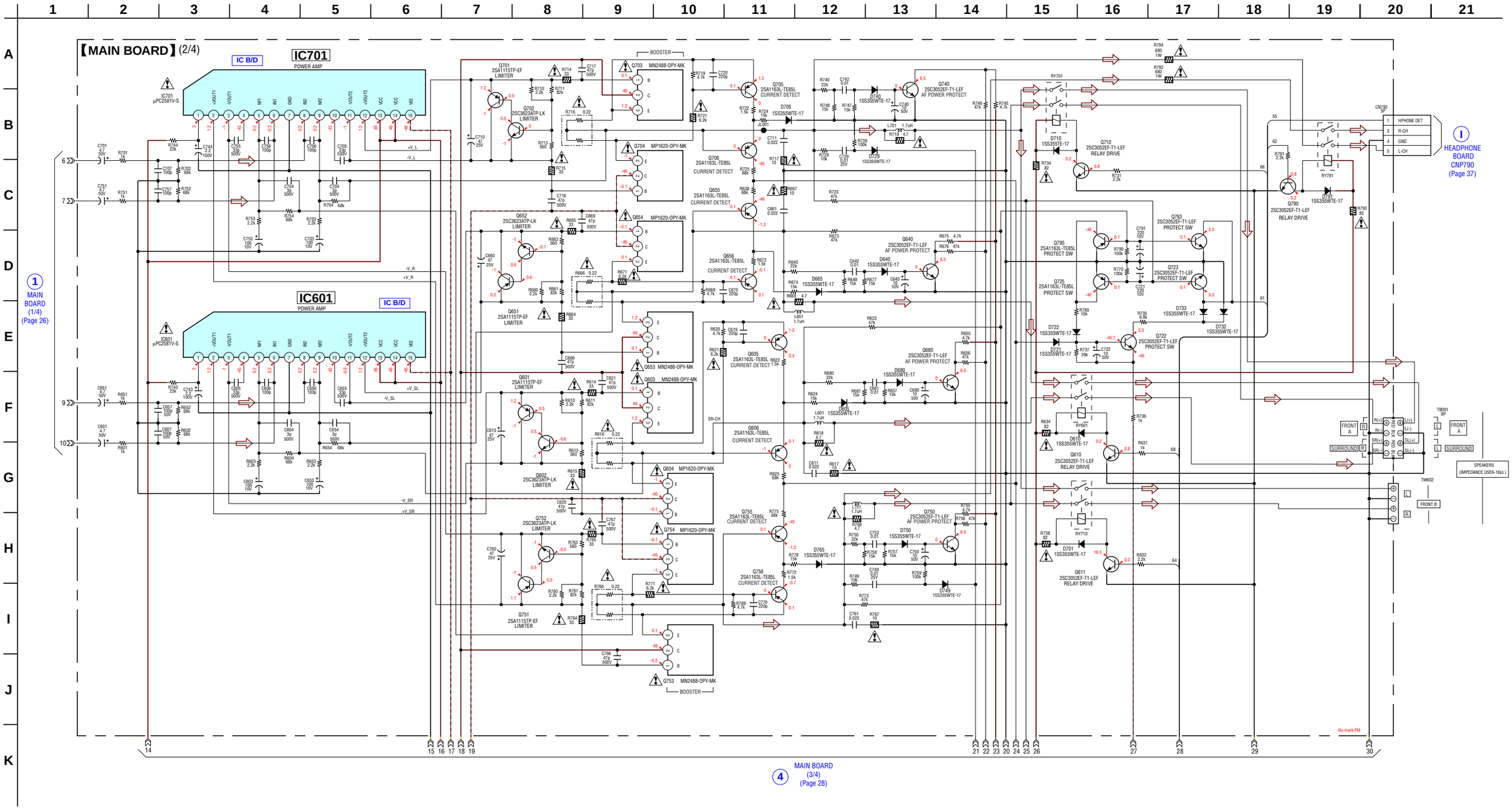
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	H-5	D701	D-9	D802	D-13	IC701	G-7	Q601	H-13	Q655	H-9	Q725	G-12		
D529	H-6	D705	H-7	D804	F-13	IC801	E-7	Q602	I-13	Q656	H-9	Q740	H-6		
D540	H-5	D710	E-10	D805	F-14	IC802	E-7	Q603	I-12	Q680	H-12	Q750	H-10		
D560	D-7	D721	H-11	D806	F-14	IC3002	D-3	Q604	I-13	Q691	F-8	Q751	H-11		
D580	H-3	D722	H-11	D807	F-14			Q605	H-13	Q692	E-8	Q752	I-11		
D585	H-3	D729	G-7	D808	F-14	Q501	H-6	Q606	H-13	Q701	H-7	Q753	I-10		
D605	H-12	D732	G-12	D818	D-15	Q502	I-6	Q610	D-10	Q702	I-7	Q754	I-11		
D610	E-10	D733	G-12	D841	F-3	Q503	I-5	Q611	D-8	Q703	I-7	Q755	H-11		
D611	E-11	D740	H-6	D896	E-7	Q504	I-6	Q612	E-11	Q704	I-8	Q756	H-11		
D640	H-8	D749	G-10			Q505	H-6	Q640	G-9	Q705	H-8	Q790	H-14		
D665	H-9	D750	H-10	IC401	F-5	Q506	H-6	Q651	H-9	Q706	H-7	Q793	H-13		
D680	H-12	D765	H-10	IC501	G-4	Q540	H-4	Q652	I-9	Q710	D-10	Q795	G-12		
D690	E-8	D791	H-13	IC601	F-9	Q560	D-7	Q653	I-9	Q722	G-11	Q801	G-13		
D691	E-8	D801	G-13	IC691	E-9	Q571	H-4	Q654	I-10	Q723	G-12	Q809	F-14		

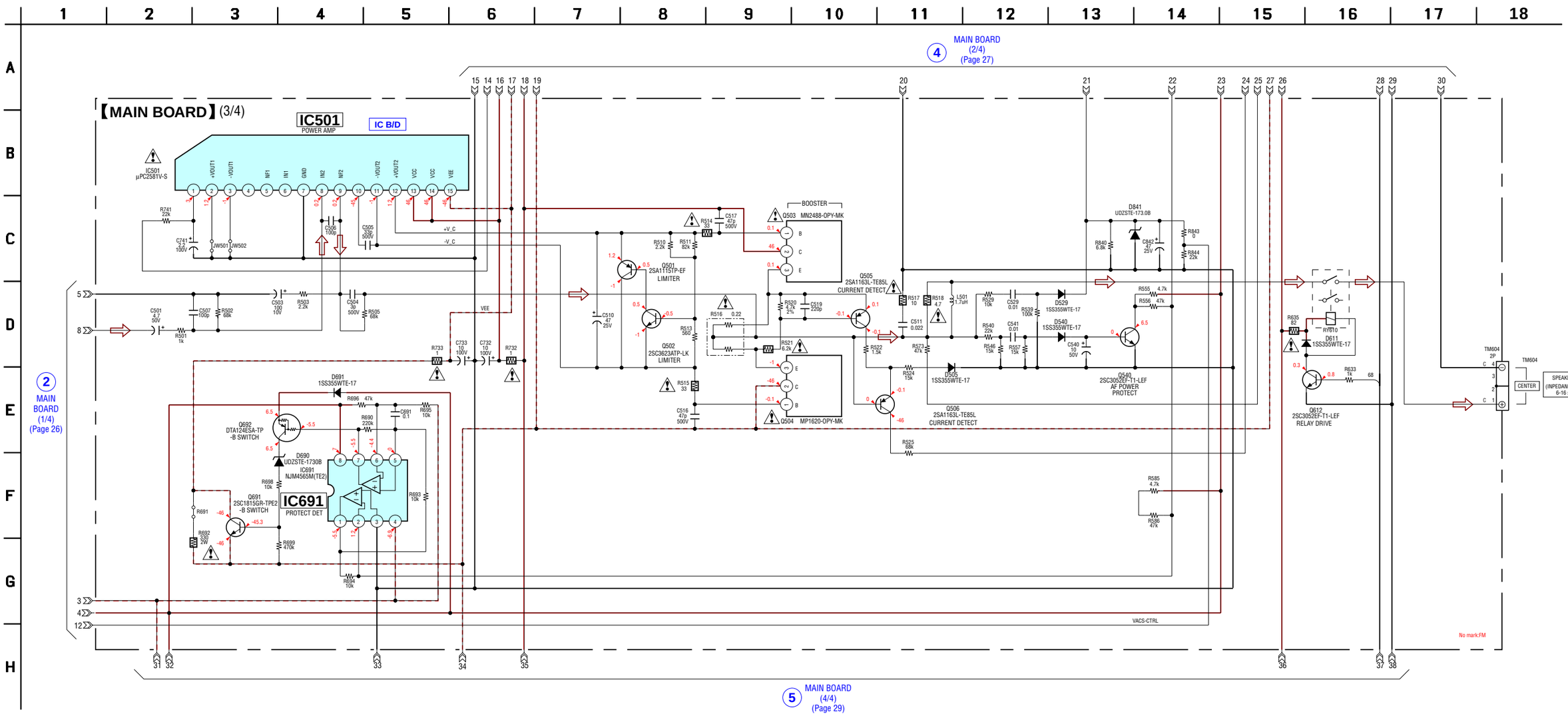
4-12. SCHEMATIC DIAGRAM – MAIN BOARD (1/4) –



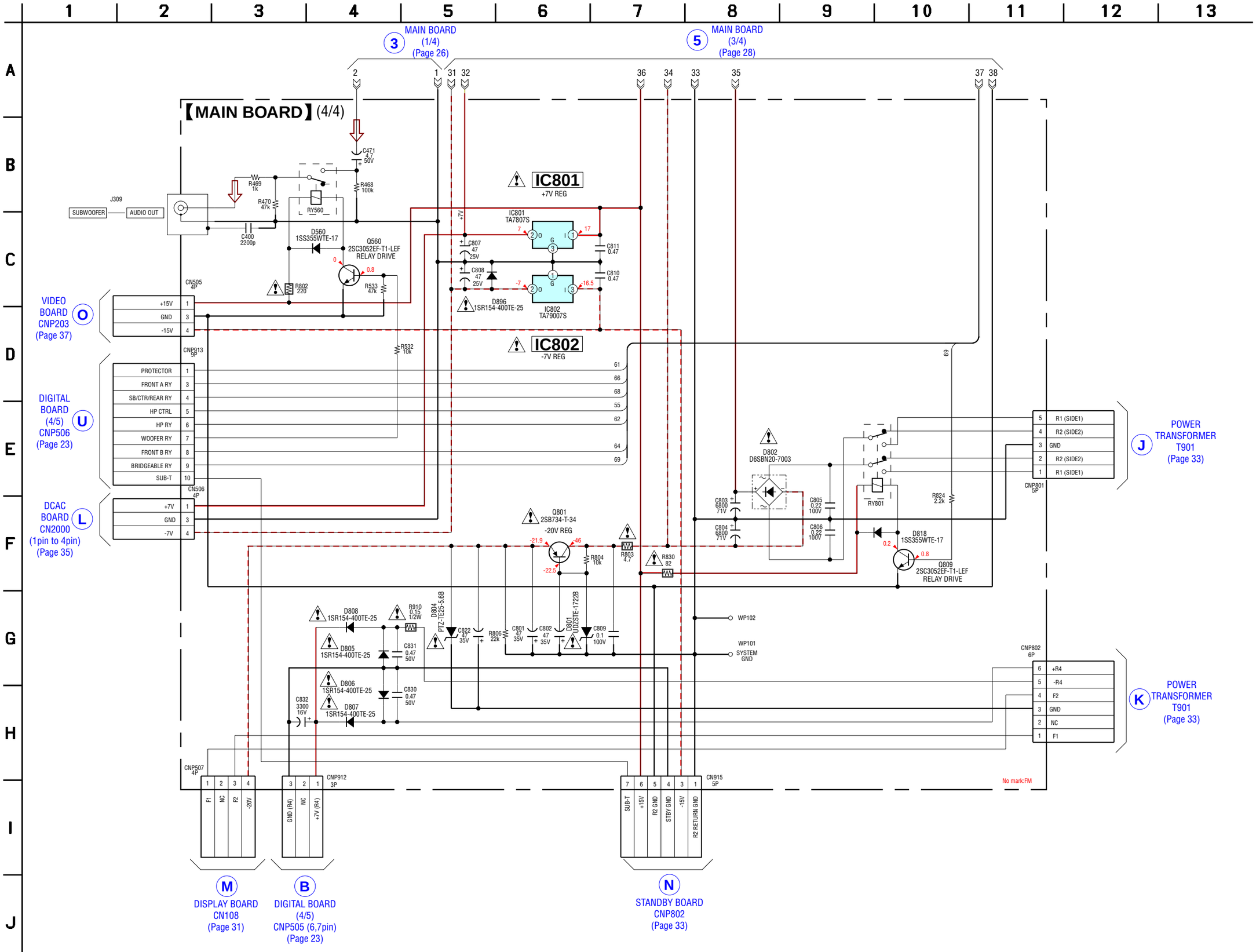
4-13. SCHEMATIC DIAGRAM – MAIN BOARD (2/4) – • See page 43 for IC Block Diagrams.



4-14. SCHEMATIC DIAGRAM – MAIN BOARD (3/4) – • See page 43 for IC Block Diagram.

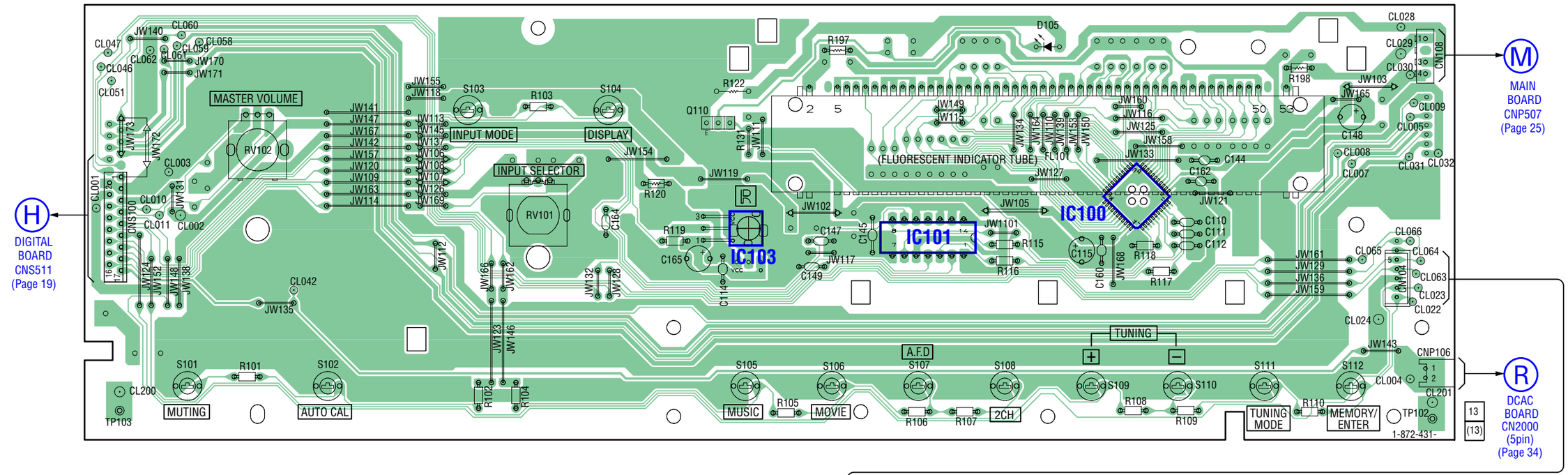


4-15. SCHEMATIC DIAGRAM – MAIN BOARD (4/4) –

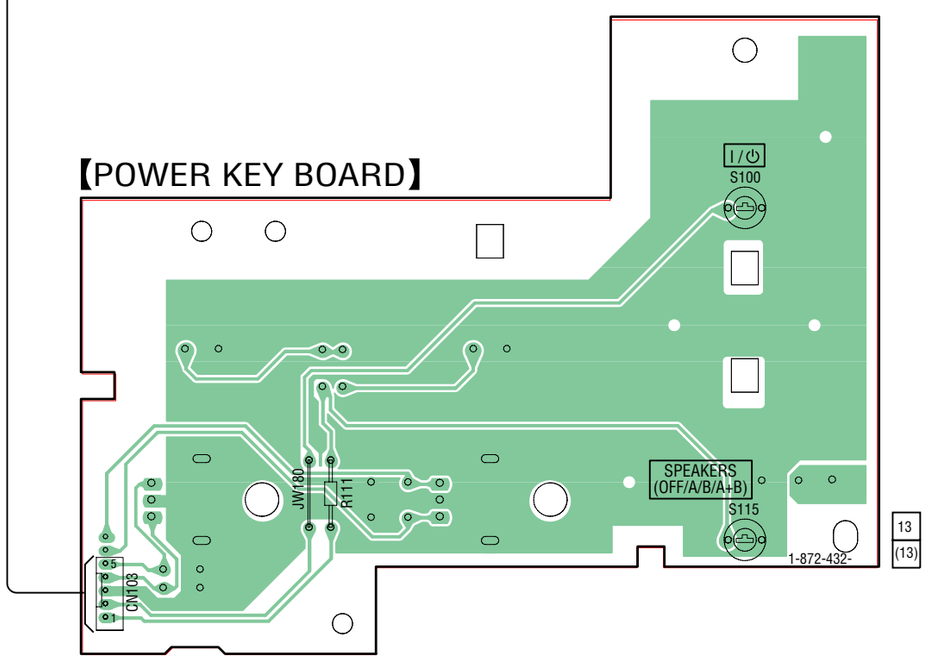


4-16. PRINTED WIRING BOARDS – DISPLAY BOARD, POWER KEY BOARD – • See page 14 for Circuit Boards Location. :Uses unleaded solder.

【DISPLAY BOARD】



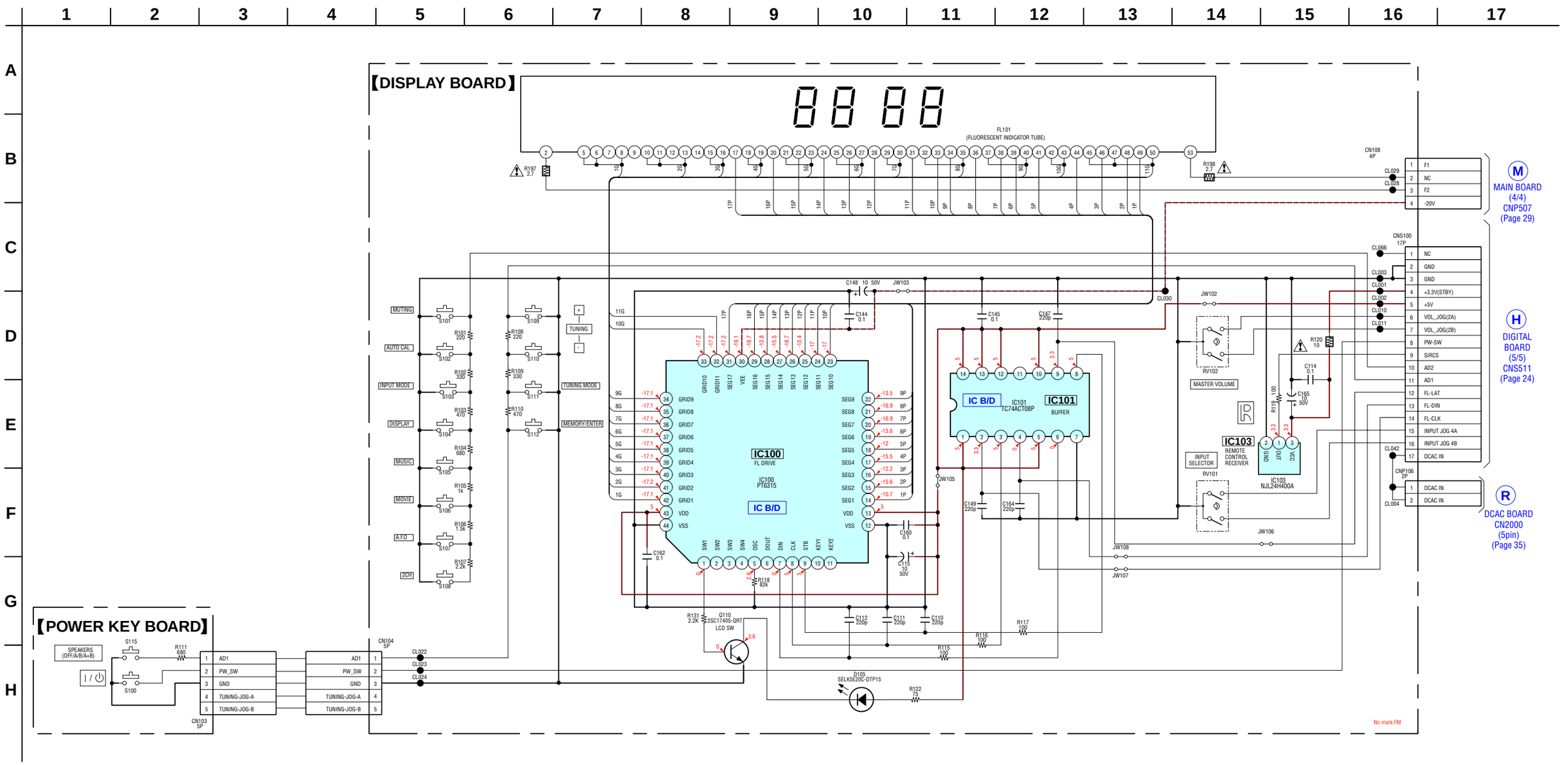
【POWER KEY BOARD】



- **Semiconductor Location**

Ref. No.	Location
D105	B-10
IC100	C-10
IC101	C-9
IC103	D-7
Q110	B-7

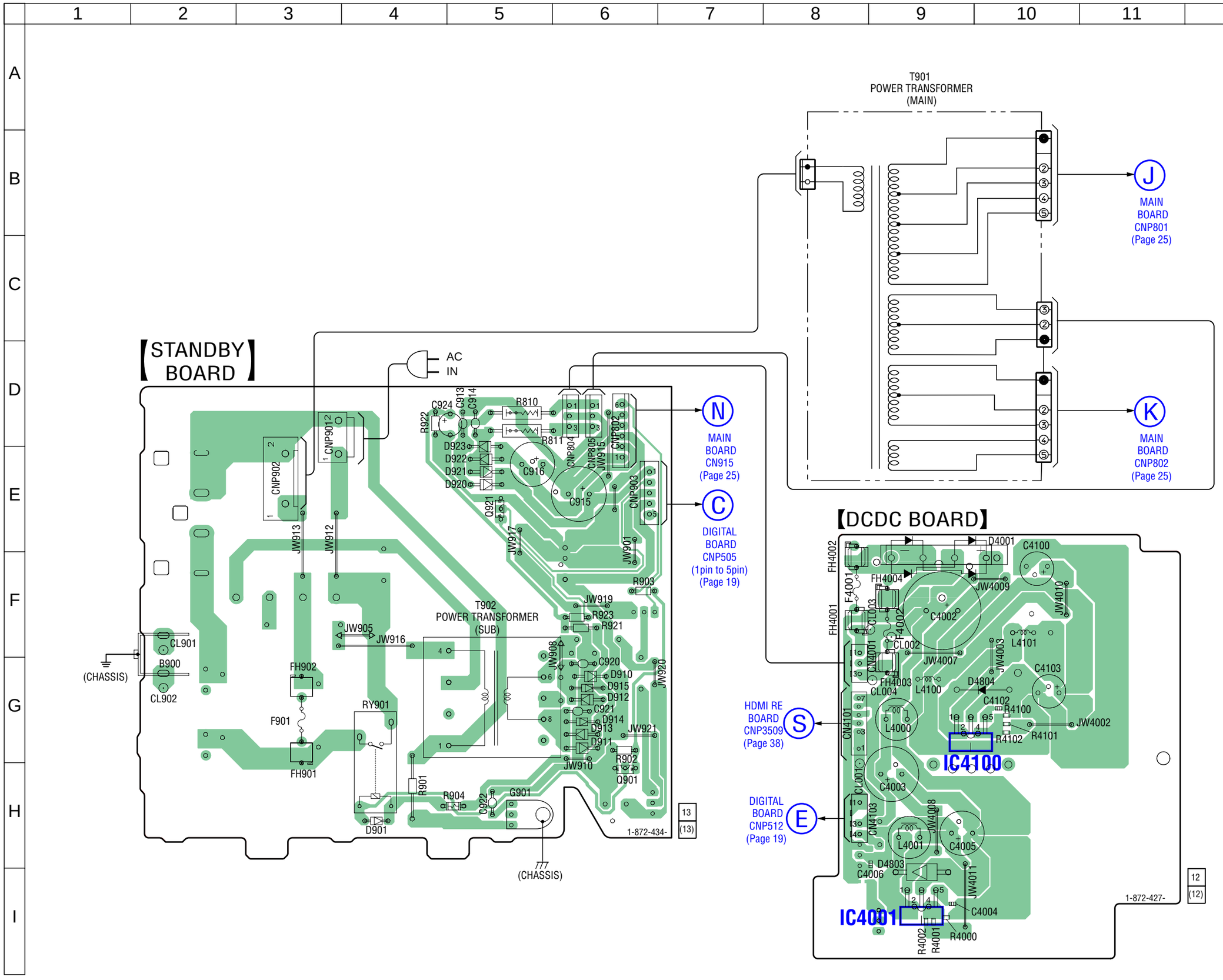
4-17. SCHEMATIC DIAGRAM – DISPLAY BOARD, POWER KEY BOARD – • See page 44 for IC Block Diagrams.



4-18. PRINTED WIRING BOARDS – STANDBY BOARD, DCDC BOARD –

• See page 14 for Circuit Boards Location.

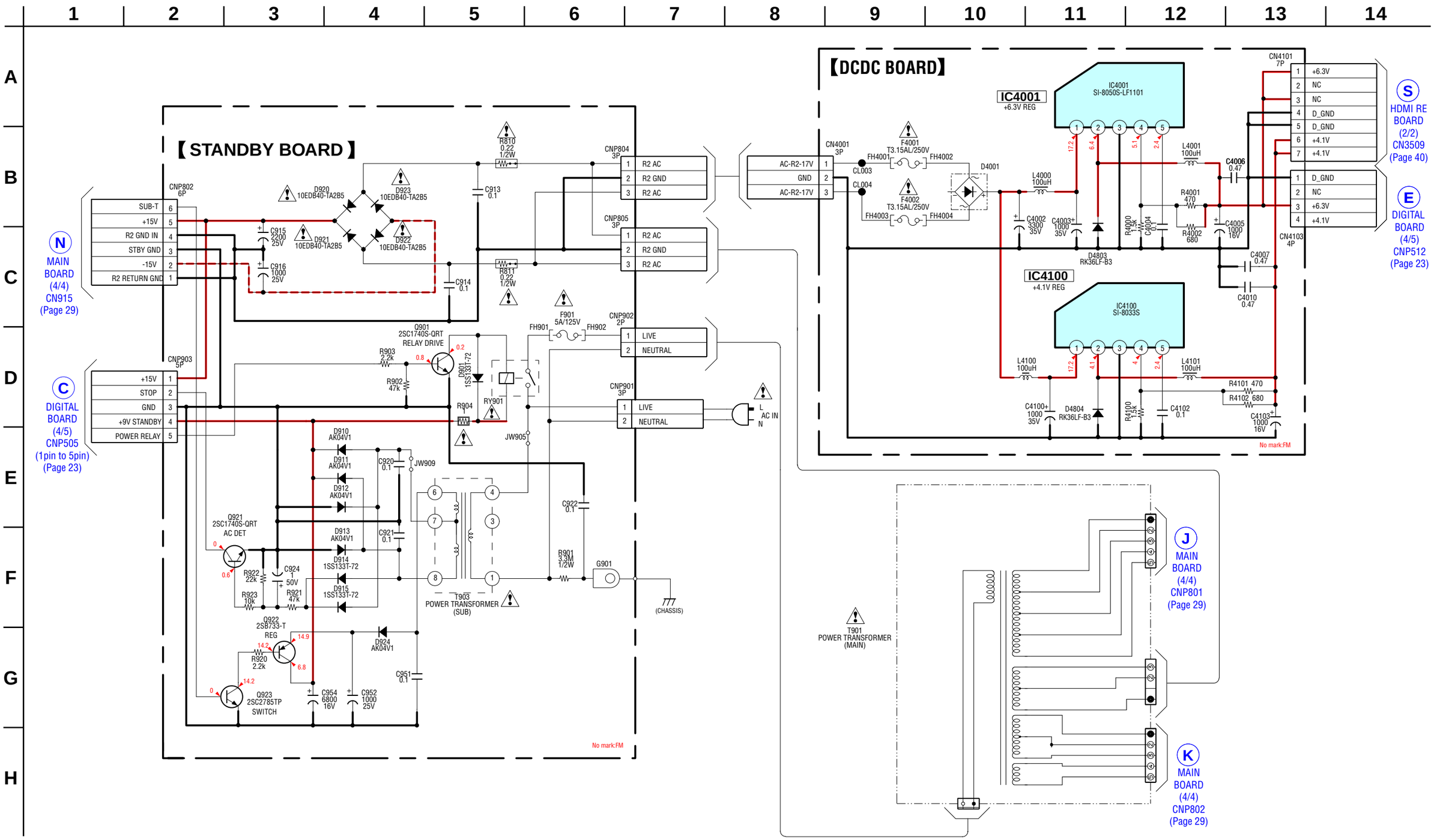
:Uses unleaded solder.



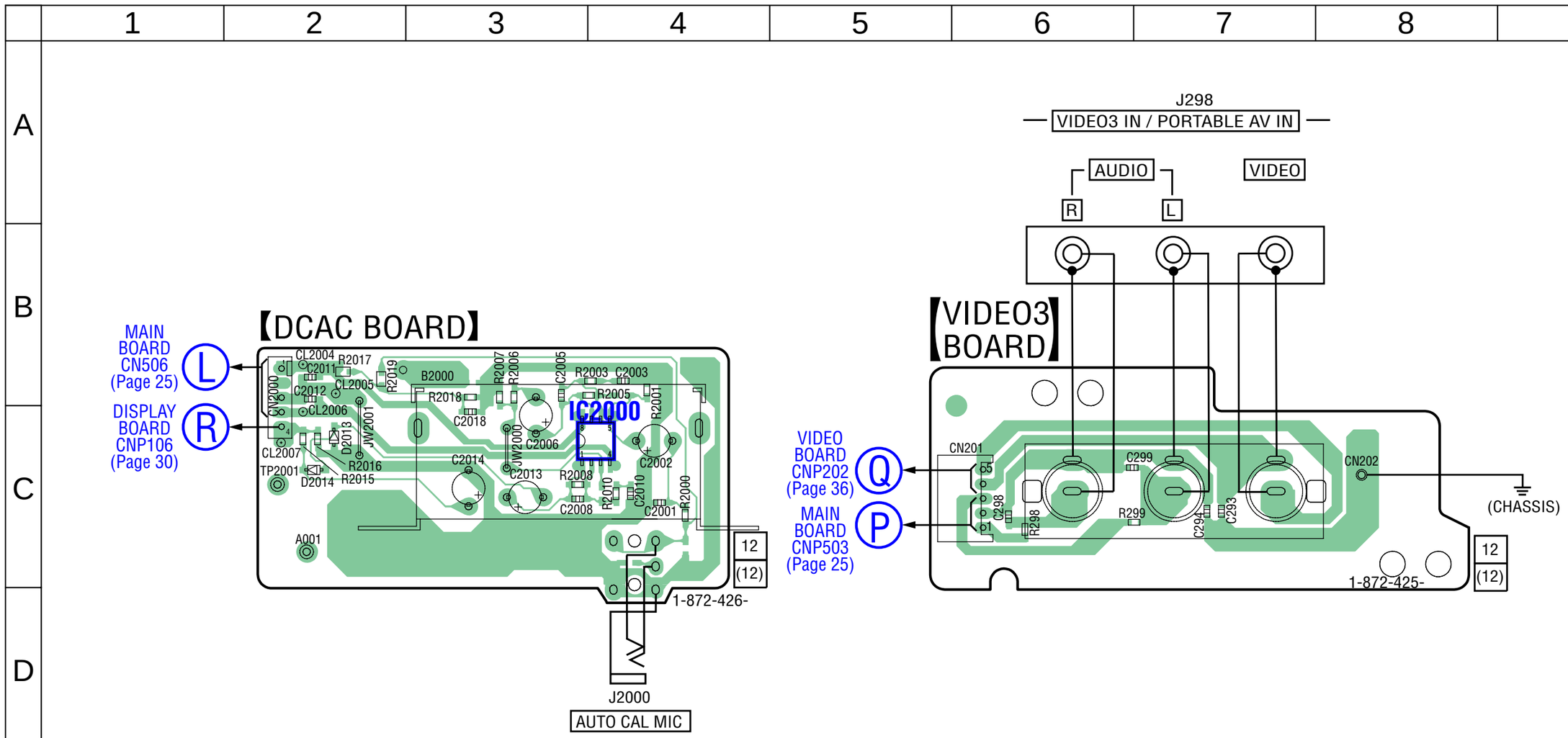
- **Semiconductor Location**

Ref. No.	Location
D901	H-4
D910	G-6
D911	H-6
D912	G-6
D913	G-6
D914	G-6
D915	G-6
D920	E-5
D921	E-5
D922	E-5
D923	E-5
D4001	E-10
D4803	H-9
D4804	G-9
IC4100	G-9
IC4001	I-9
Q901	H-6
Q921	E-5

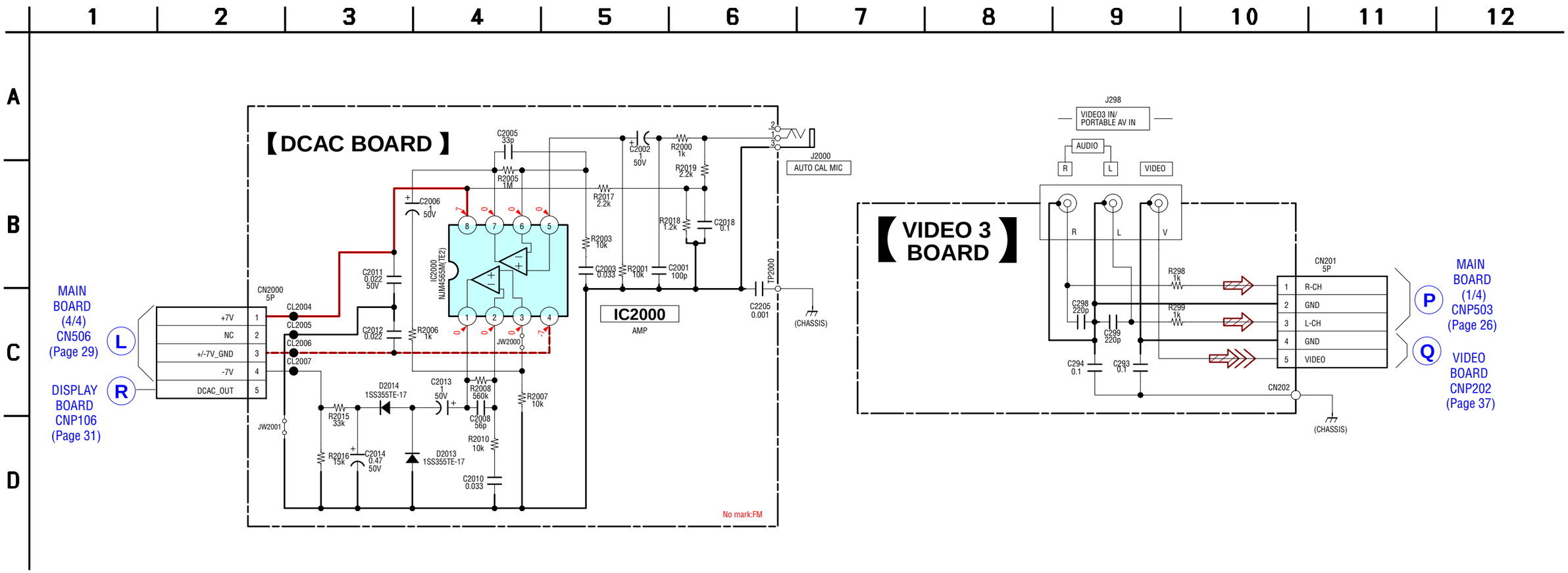
4-19. SCHEMATIC DIAGRAM – STANDBY BOARD, DCDC BOARD –



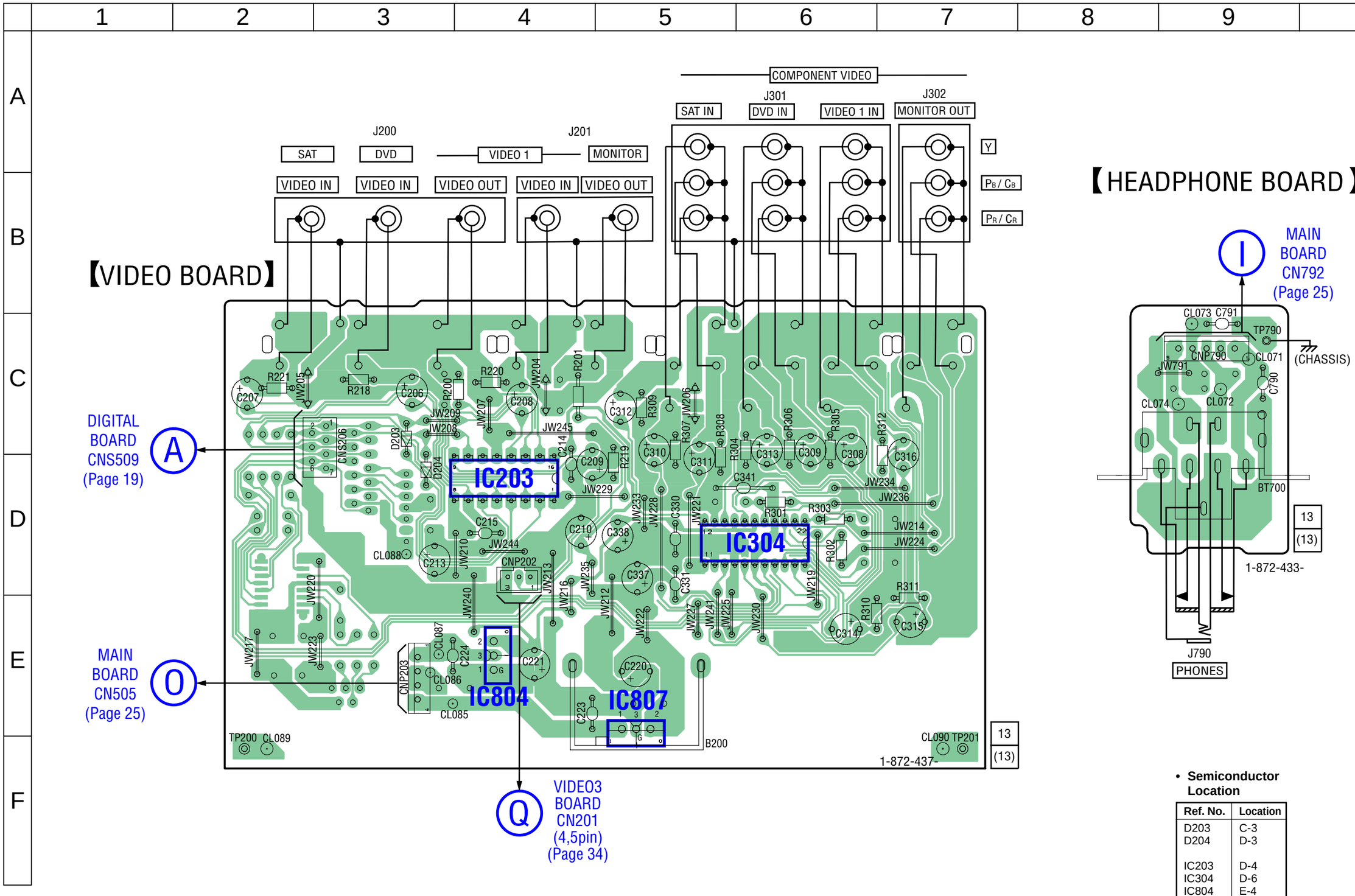
4-20. PRINTED WIRING BOARDS – DCAC BOARD, VIDEO3 BOARD – • See page 14 for Circuit Boards Location. :Uses unleaded solder.



4-21. SCHEMATIC DIAGRAM – DCAC BOARD, VIDEO3 BOARD –



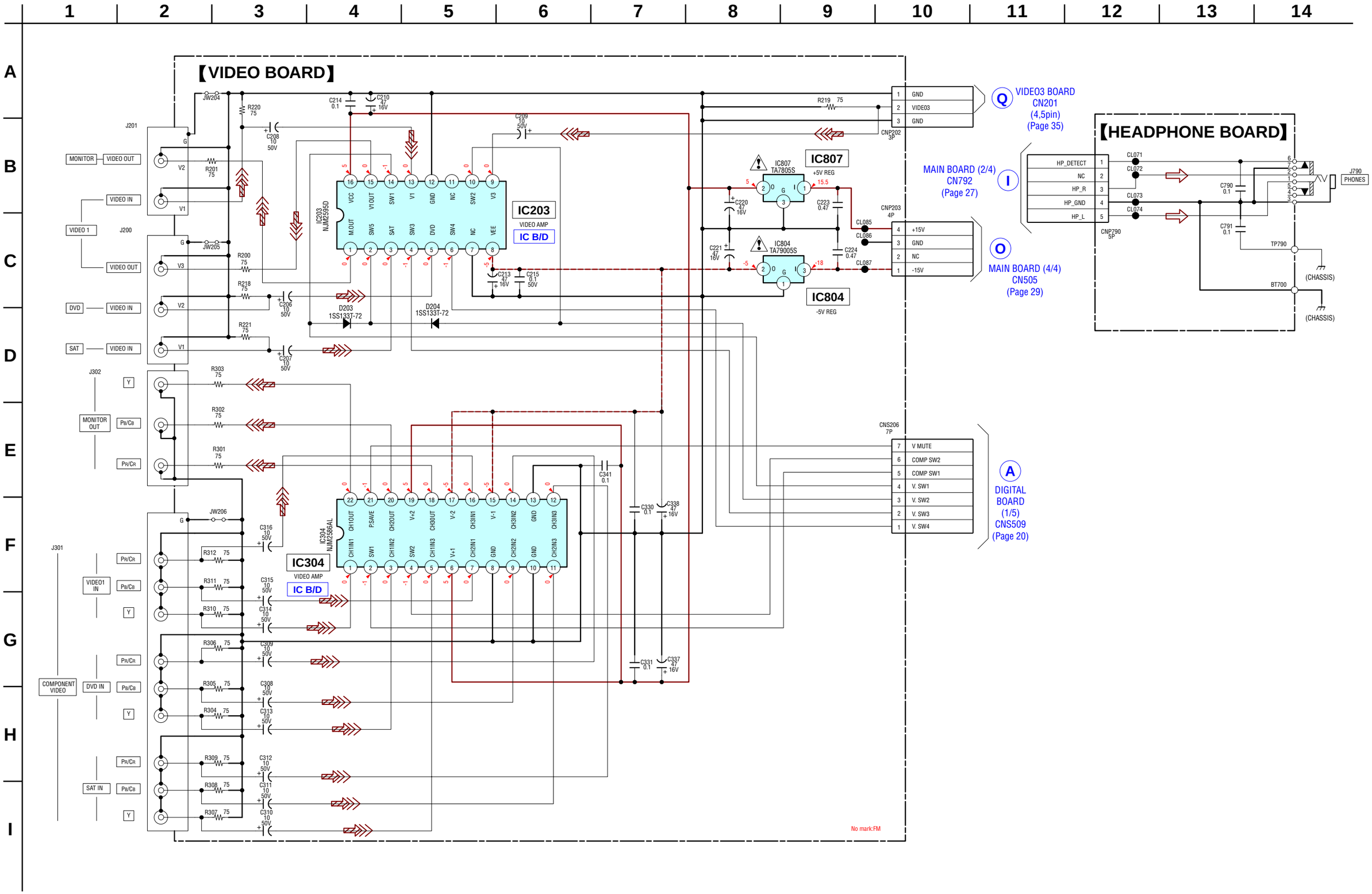
4-22. PRINTED WIRING BOARDS – VIDEO BOARD, HEADPHONE BOARD – • See page 14 for Circuit Boards Location. :Uses unleaded solder.



- **Semiconductor Location**

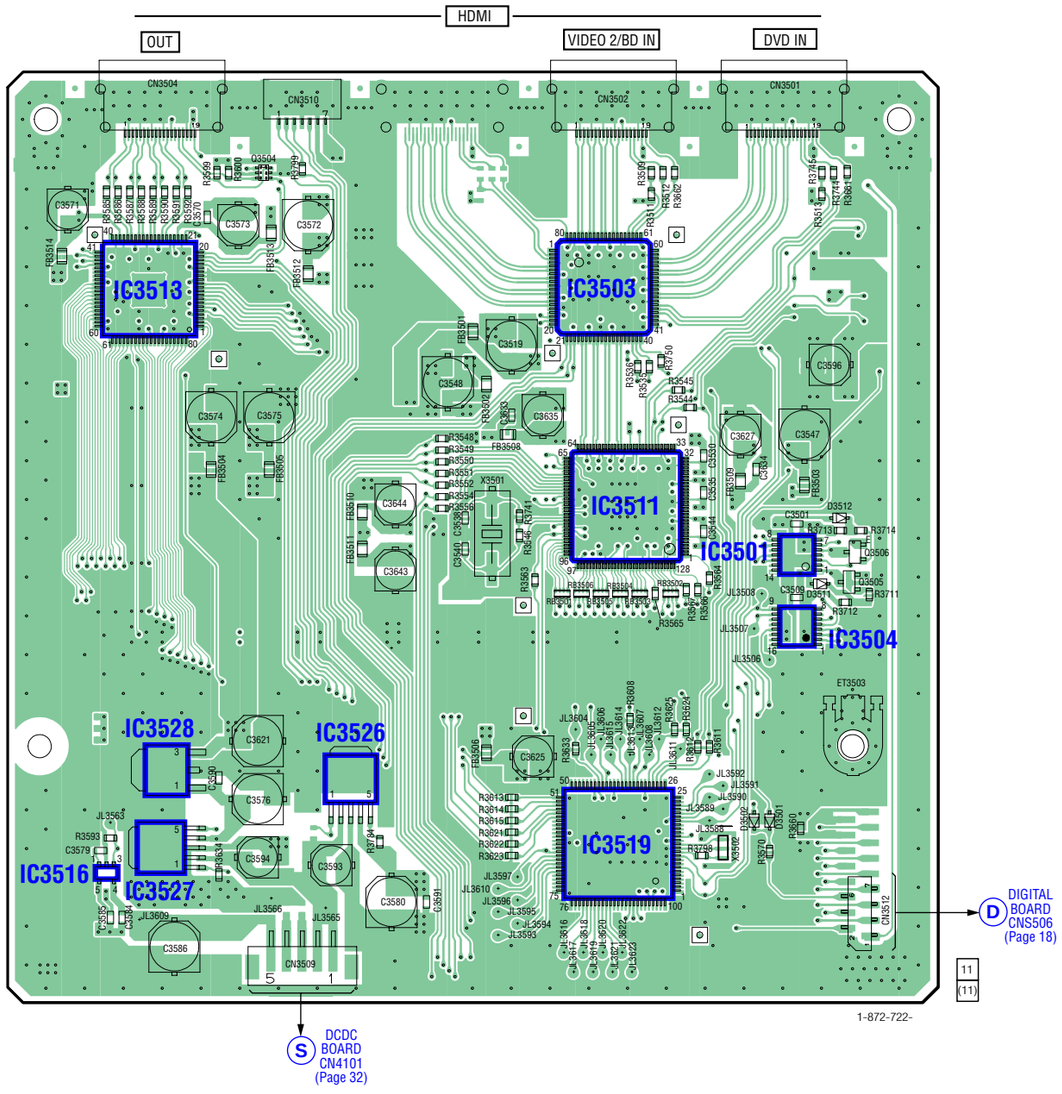
Ref. No.	Location
D203	C-3
D204	D-3
IC203	D-4
IC304	D-6
IC804	E-4
IC807	E-5

4-23. SCHEMATIC DIAGRAM – VIDEO BOARD, HEADPHONE BOARD – • See page 45 for IC Block Diagrams.

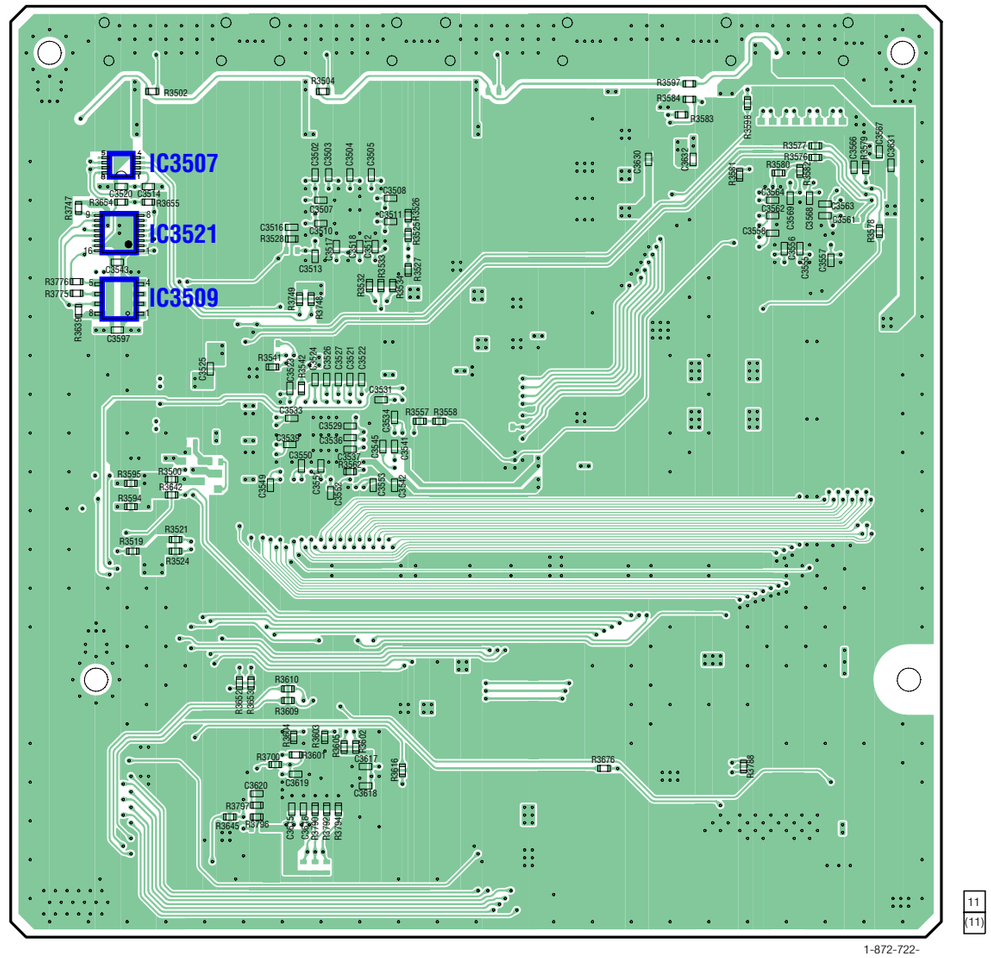


4-24. PRINTED WIRING BOARD – HDMI RE BOARD – • See page 14 for Circuit Boards Location. :Uses unleaded solder.

【HDMI RE BOARD】(SIDE A)



【HDMI RE BOARD】(SIDE B)

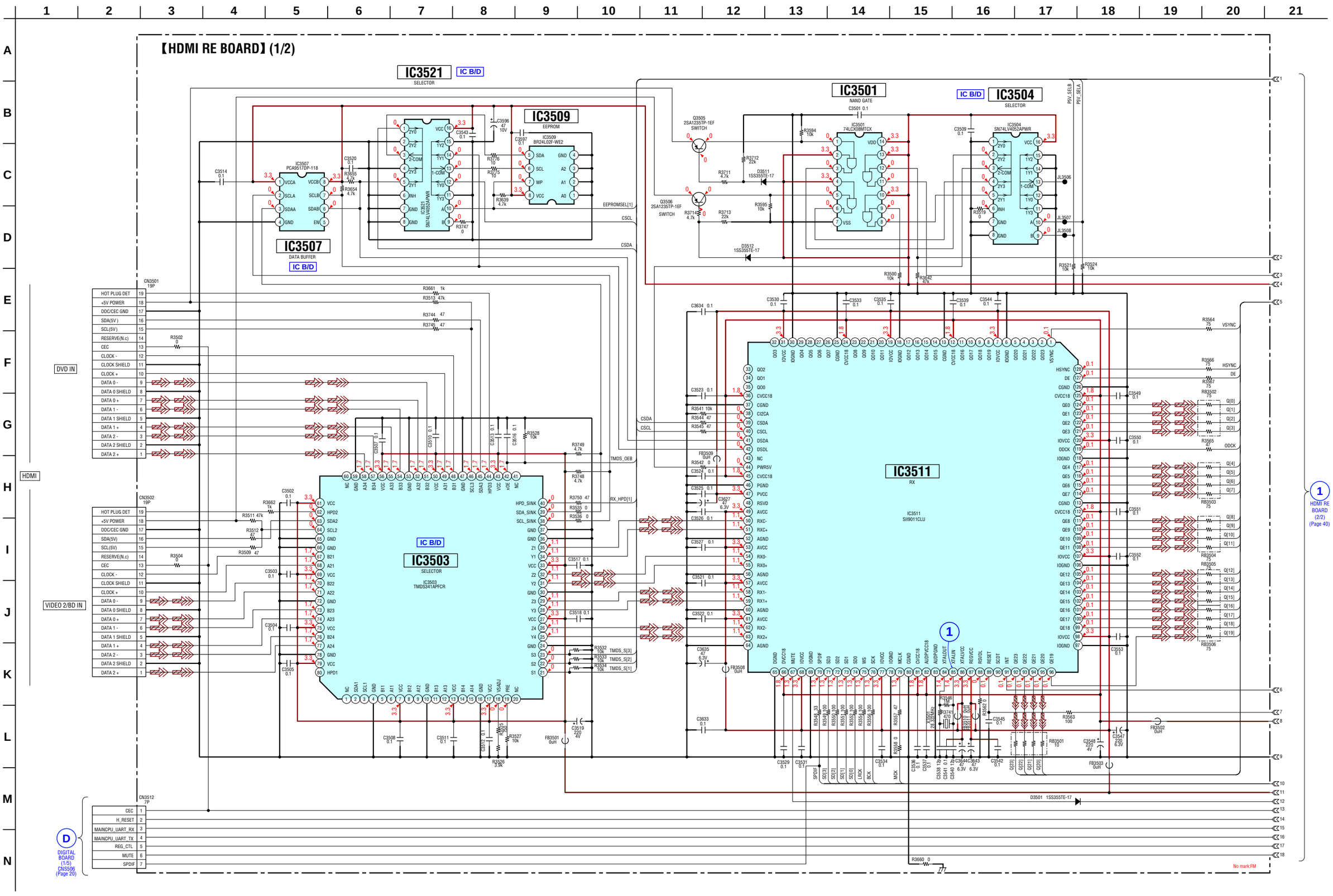


- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D3501	E-5	IC3513	C-2
D3502	E-5	IC3516	F-1
D3511	D-5	IC3519	E-4
D3512	D-5	IC3521	C-8
		IC3526	E-3
IC3501	D-5	IC3527	E-2
IC3503	C-4	IC3528	E-2
IC3504	D-5		
IC3507	B-8	Q3504	B-2
IC3509	C-8	Q3505	D-5
IC3511	D-4	Q3506	D-5

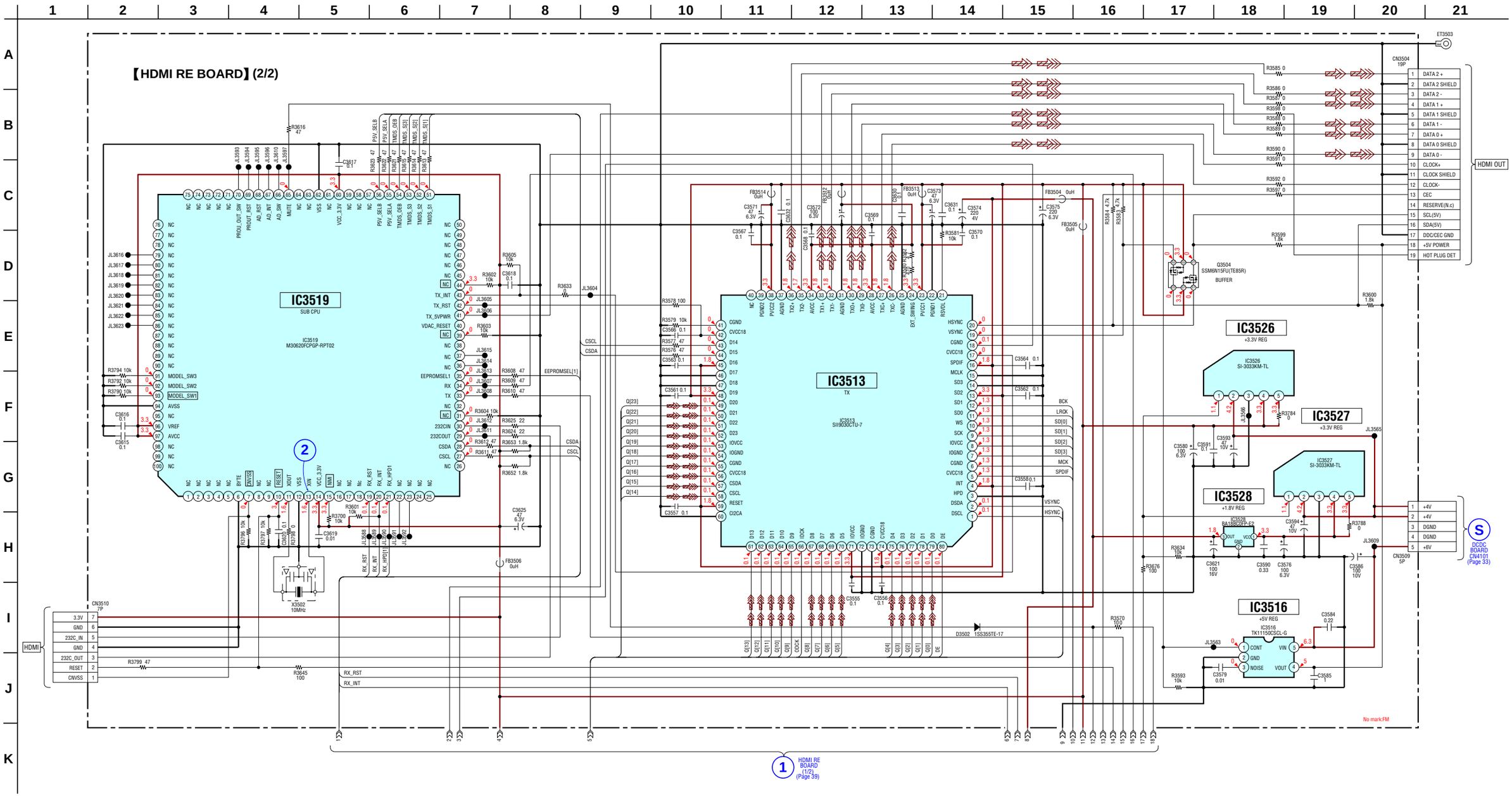
4-25. SCHEMATIC DIAGRAM – HDMI RE BOARD (1/2) –

• See page 41 for Waveform. • See page 46 for IC Block Diagrams. • See page 52 for IC Pin Function Description.



4-26. SCHEMATIC DIAGRAM – HDMI RE BOARD (2/2) –

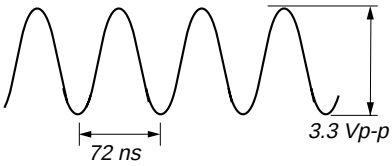
• See page 41 for Waveform. • See page 54 for IC Pin Function Description.



• **Waveforms**

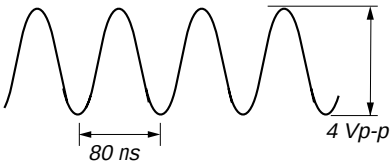
– DIGITAL Board –

① **IC1501 ⑨ (MCLK1)**



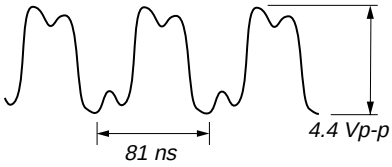
1 V/DIV, 40 ns/DIV

② **IC1907 ㊼ (X1)**



1 V/DIV, 20 ns/DIV

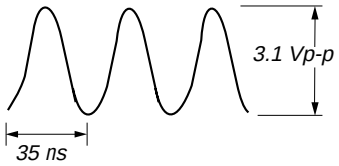
③ **IC1301 ㉒ (XIN)**



1 V/DIV, 40 ns/DIV

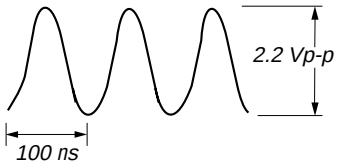
– HDMI RE Board –

① **IC3511 ㊽ (XTAL_IN)**



1 V/DIV, 20 ns/DIV

② **IC3519 ⑬ (XIN)**

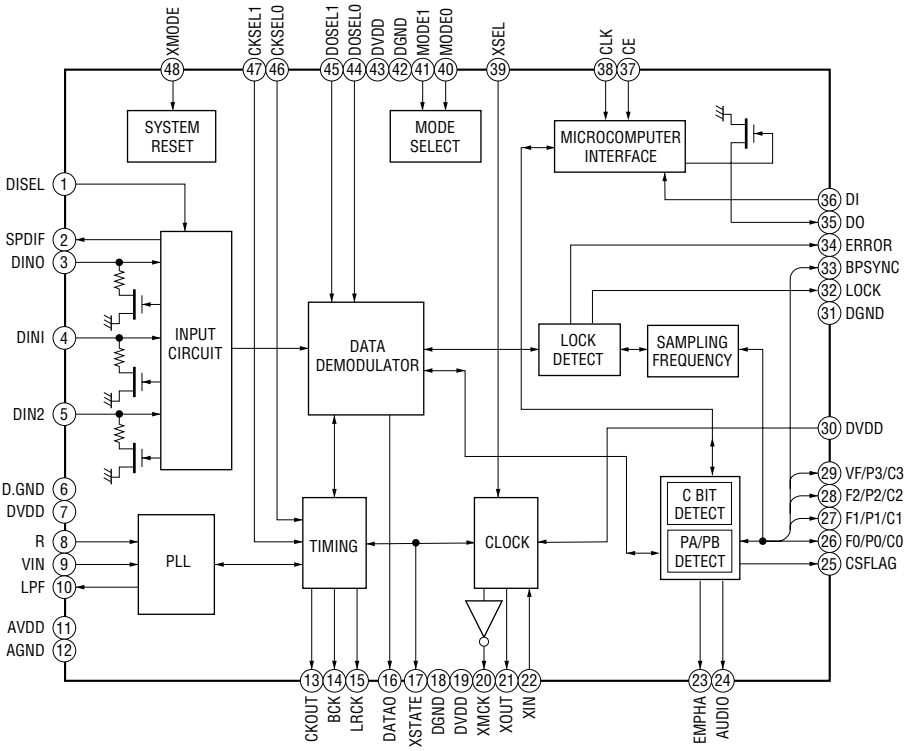


1 V/DIV, 40 ns/DIV

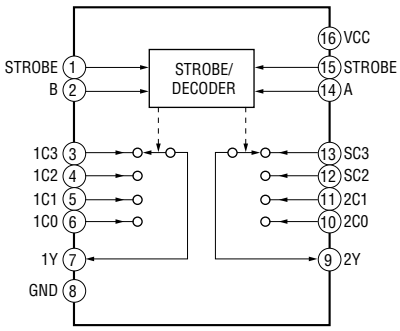
- **IC Block Diagrams**

– DIGITAL Board –

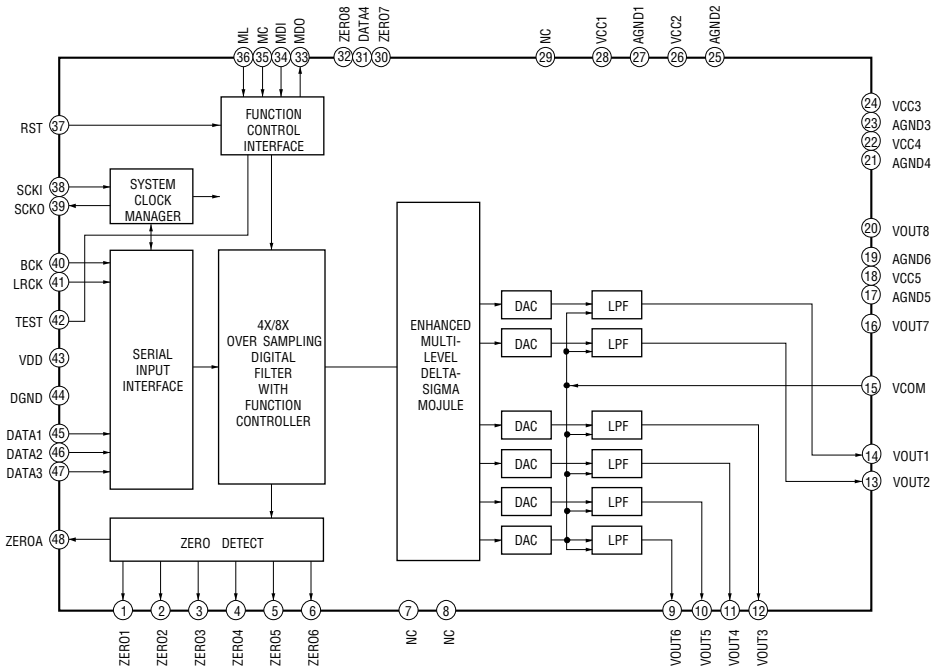
IC1301 LC89056W-E



IC1302 TC74ACT153F (EL)

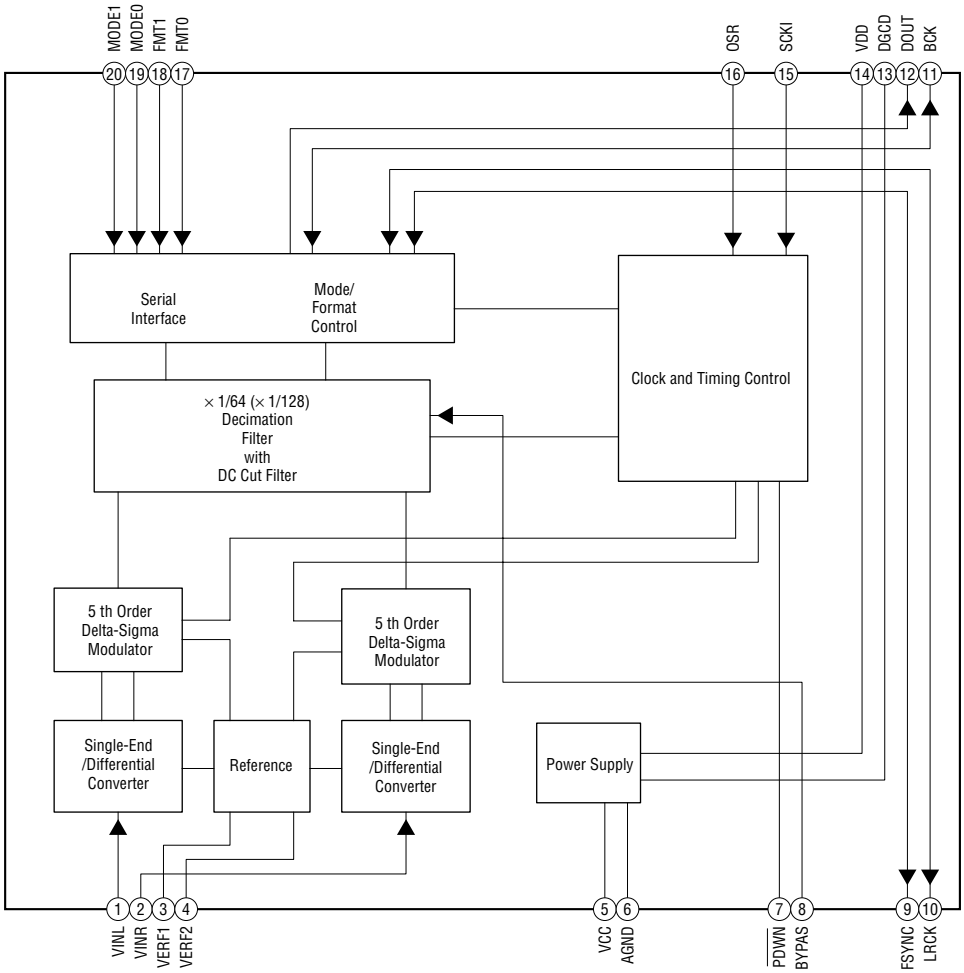


IC1452 PCM1602APT



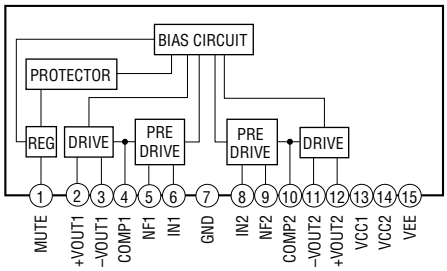
– DIGITAL Board –

IC1401 PCM1803DBR



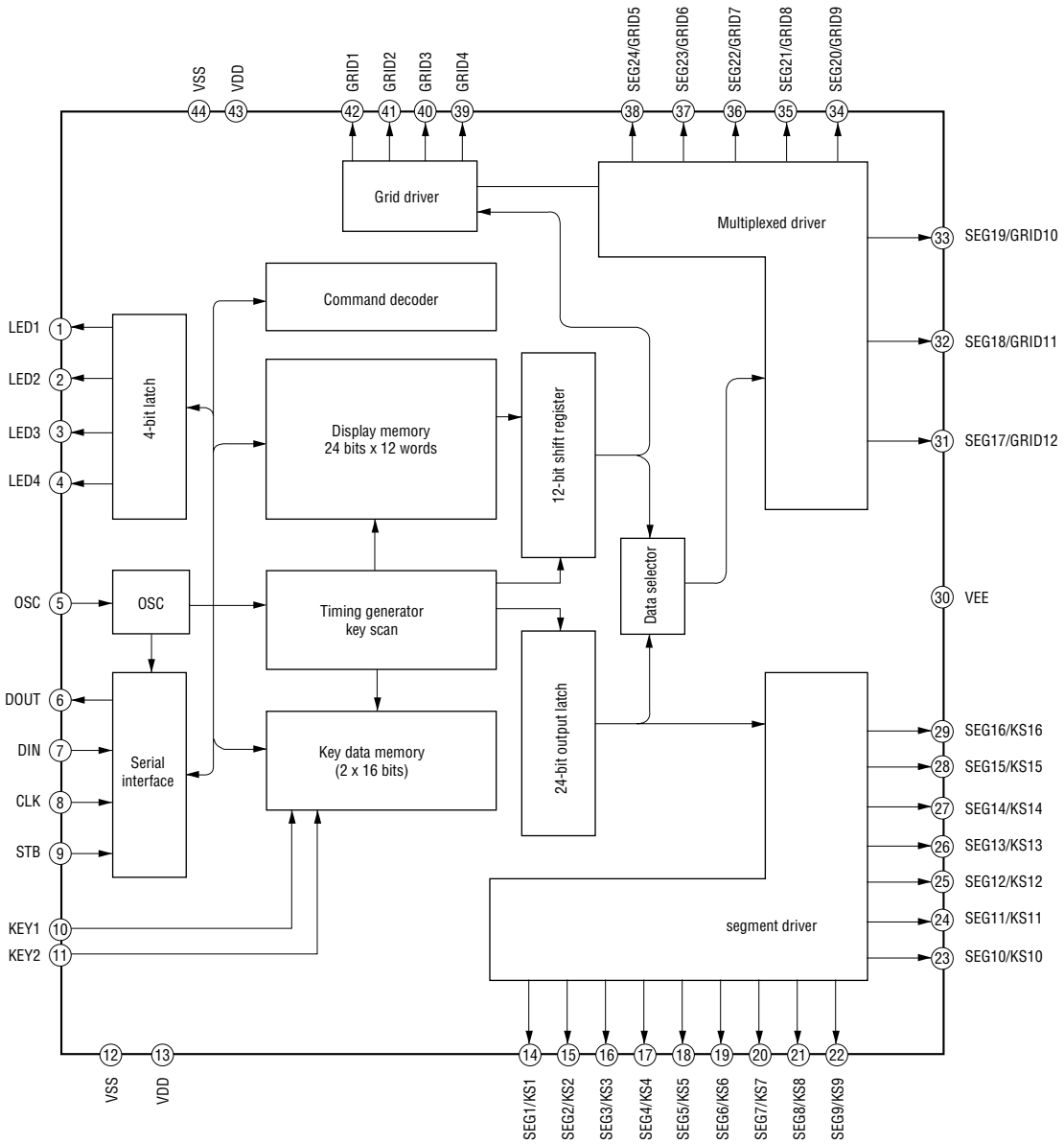
– MAIN Board –

IC501, IC601, IC701 uPC2581V-S

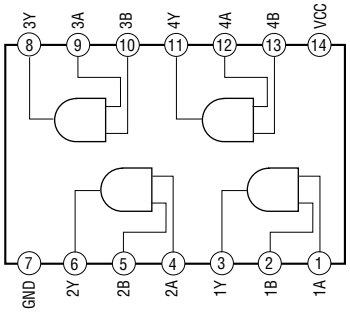


– DISPLAY Board –

IC100 PT6315

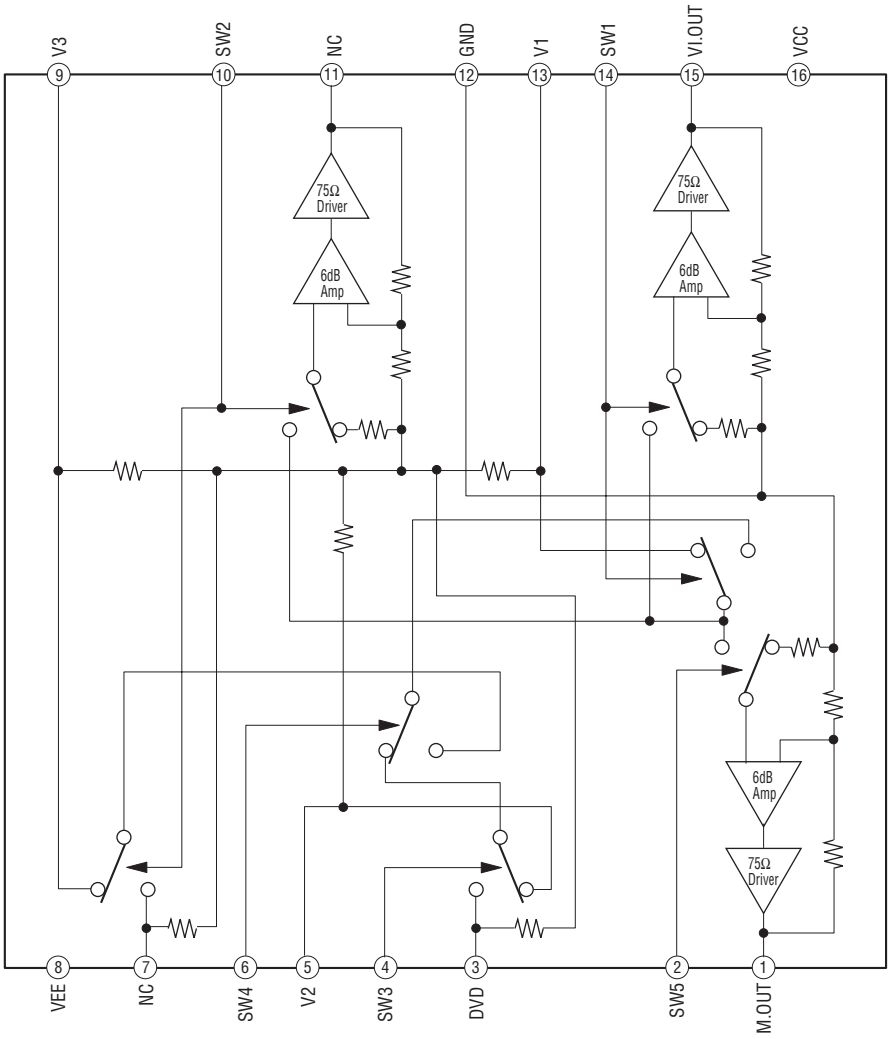


IC101 TC74ACT08P

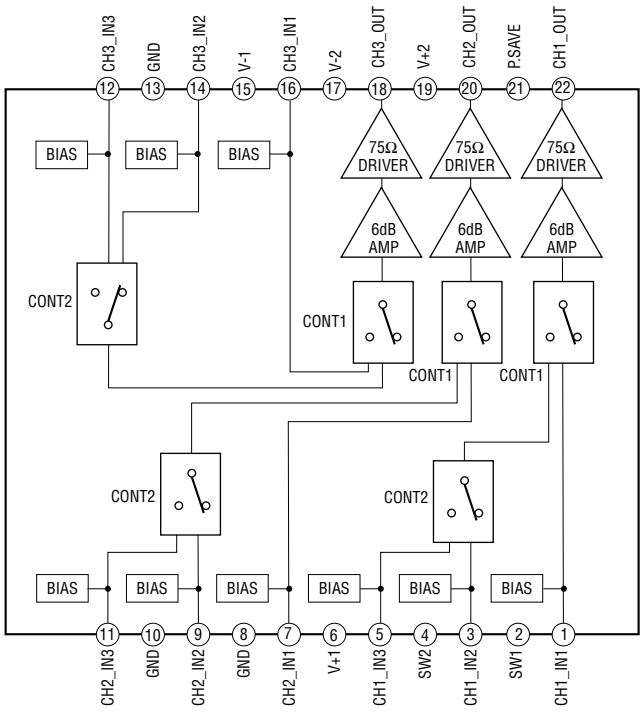


– VIDEO Board –

IC203 NJM2595D

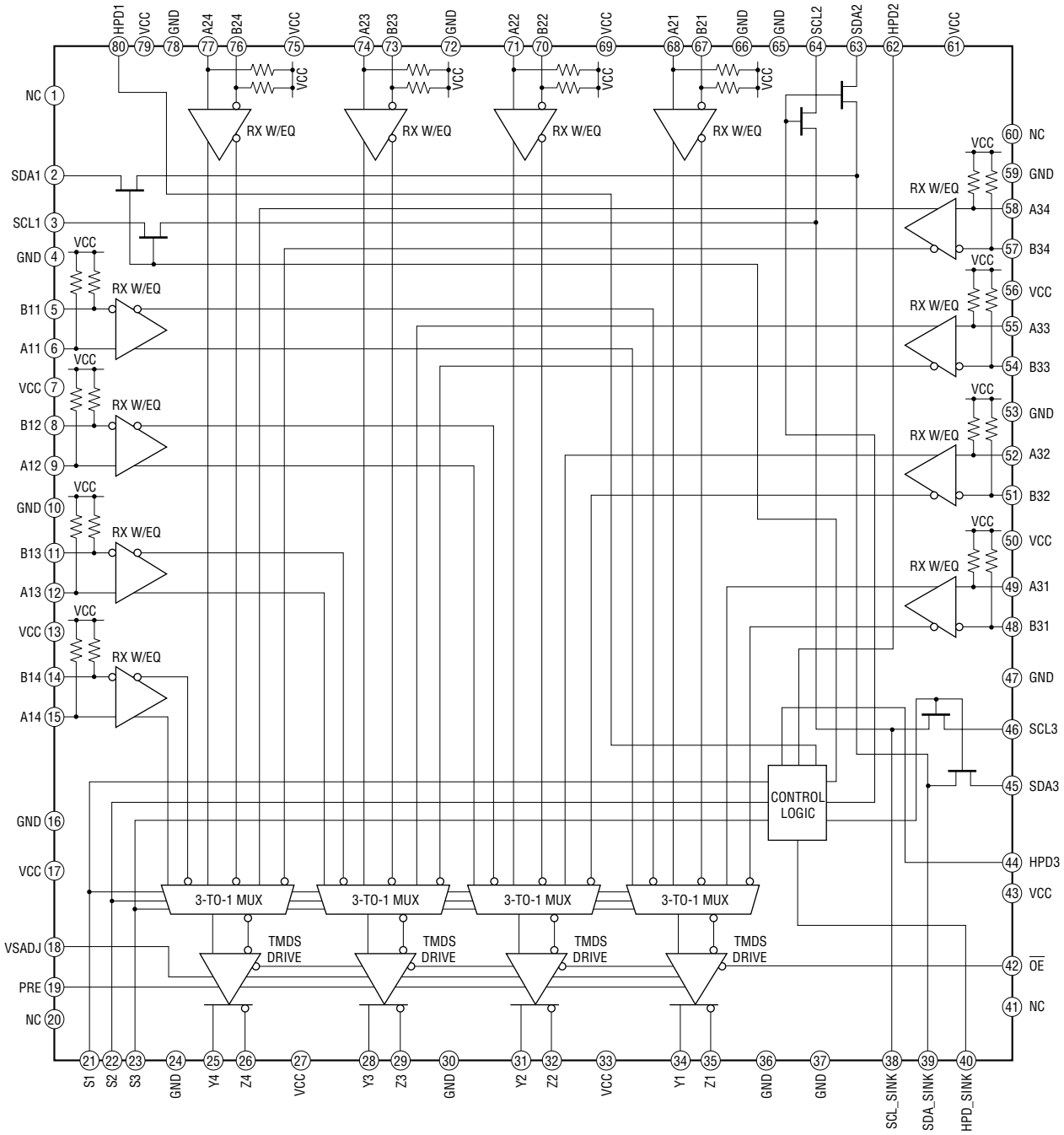


IC304 NJM2586AL

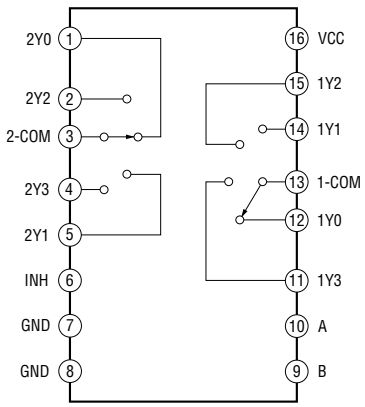


– HDMI RE Board –

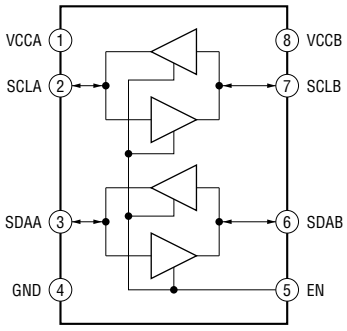
IC3503 TMD341APFCR



IC3504, IC3521 SN74LV4052APWR



IC3507 PCA9517DP.118



• IC Pin Function Description

DIGITAL BOARD IC1501 CXD9718BQ (AUDIO DIGITAL SIGNAL PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground pin
2	XRST	I	Reset signal input from system control IC
3	EXTIN	I	Not used. (Fixed to “L”)
4	LRCKI3	I	Not used. (Fixed to “L”)
5	VDDI	—	Power supply pin (+2.6 V)
6	BCKI3	I	Not used. (Fixed to “L”)
7	PLOCK	O	Not used. (Open)
8	VSS	—	Ground pin
9	MCLK1	I	Clock signal input (13.9 MHz)
10	VDDI	—	Power supply pin (+2.6 V)
11	VSS	—	Ground pin
12	MCLK2	O	Clock signal output (13.9 MHz)
13	MS	I	Not used. (Fixed to “L”)
14	SCKOUT	O	Internal system clock signal output for 8CH D/A converter IC
15	LRCKI1	I	Sampling clock signal input from A/D converter IC
16	VDDE	—	Power supply pin (+3.3 V)
17	BCKI1	I	Bit clock signal input from A/D converter IC
18	SDI1	I	Audio IF data input from A/D converter IC
19	LRCKO	O	Sampling clock signal output for 8CH D/A converter IC
20	BCKO	O	Bit clock signal output for 8CH D/A converter IC
21	VSS	—	Ground pin
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for digital audio interface receiver IC
23 to 26	SDO1 to SDO4	O	Digital audio serial data output for 8CH D/A converter IC
27	SPDIF	O	Not used. (Open)
28	LRCKI2	I	Sampling clock signal input from A/D converter IC
29	BCKI2	I	Bit clock signal input from A/D converter IC
30	SDI2	I	Digital audio serial data input from digital audio interface receiver IC
31	VSS	—	Ground pin
32	HACN	O	Acknowledge signal output for system control IC
33	HDIN	I	Serial data input from system control IC
34	HCLK	I	Clock signal input from system control IC
35	HDOUT	O	Serial data output for system control IC
36	HCS	I	Chip select signal input from system control IC
37	GP12	I	GP12 signal input from system control IC
38, 39	GP13, GP14	O	Not used. (Open)
40	VDDI	—	Power supply pin (+2.6 V)
41	VSS	—	Ground pin
42	GP15	O	Not used. (Open)
43	CE0	O	SDRAM enable signal output
44	CS0	O	External memory chip select signal output for SDRAM IC
45	WE0	O	SDRAM write enable signal output for SDRAM IC
46	VDDE	—	Power supply pin (+3.3 V)
47	WMD1	I	Not used. (Fixed to “H” (+3.3 V))
48	VSS	—	Ground pin
49	WMD0	I	Not used. (Fixed to “H” (+3.3 V))
50	PAGE2	O	Not used. (Open)
51	VSS	—	Ground pin

Pin No.	Pin Name	I/O	Description
52, 53	PAGE1, PAGE0	O	Not used. (Open)
54	BOOT	I	Not used. (Fixed to “L”)
55	TST1	O	Not used. (Open)
56	BST	I	Boot stop signal input
57	MOD1	I	Operation mode signal input (L: 386fs, H: 256fs) (Fixed to “H” (+3.3V))
58	MOD0	I	Not used. (Fixed to “L”)
59	EXLOCK	I	Error detection signal input from digital audio interface receiver IC
60	VDDI	—	Power supply pin (+2.6 V)
61	VSS	—	Ground pin
62, 63	A17, A16	O	Not used. (Open)
64 to 66	A15 to A13	O	External memory address signal output for SDRAM IC
67	GP10	O	Not used. (Open)
68	GP9	O	GP9 signal output for system control IC
69	GP8	I	Audio signal input from digital audio interface receiver IC
70	VDDI	I	Power supply pin (+2.6 V)
71	VSS	—	Ground pin
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output for SDRAM IC
76	VDDE	—	Power supply pin (+3.3 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output for SDRAM IC
81	VSS	—	Ground pin
82	A9	O	External memory address signal output for SDRAM IC
83 to 85	A12 to A10	O	External memory address signal output for SDRAM IC
86	TDO	O	Not used. (Fixed to “H” (+3.3V))
87	TMS	I	Not used. (Fixed to “H” (+3.3V))
88	XTRST	I	Not used. (Fixed to “H” (+3.3V))
89	TCK	I	Not used. (Fixed to “H” (+3.3V))
90	TDI	I	Not used. (Fixed to “H” (+3.3V))
91	VSS	—	Ground pin
92 to 97	A8 to A3	O	External memory address signal output for SDRAM IC
98, 99	D7, D6	I/O	External memory data input/output for SDRAM IC
100	VDDI	—	Power supply pin (+2.6 V)
101	VSS	—	Ground pin
102 to 105	D5 to D2	I/O	External memory data input/output for SDRAM IC
106	VDDE	—	Power supply pin (+3.3 V)
107, 108	D1, D0	I/O	External memory data input/output for SDRAM IC
109, 110	A2, A1	O	External memory address signal output for SDRAM IC
111	VSS	—	Ground pin
112	A0	O	External memory address signal output for SDRAM IC
113	PM	I	PLL initialization signal input from system control IC
114, 115	SDI3, SDI4	I	Not used. (Open)
116	SYNC	I	Not used. (Fixed to “H” (+3.3V))
117	TST2	I	Not used. (Fixed to “L”)
118	GP11	I	Not used. (Fixed to “L”)
119	TST3	I	Not used. (Fixed to “L”)
120	VDDI	—	Power supply pin (+2.6 V)

DIGITAL BOARD IC1907 MB91F353APMT-G-112E1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	HDMI_MUTE	I	HDMI mute signal input
2	HDMI_RESET	O	HDMI reset signal output
3	XM_RESET	O	Not used. (Open)
4	XMDACMDI	O	XM D/A converter MDI signal output
5	XMDACMC	O	XM D/A converter MC signal output
6	XMDACMS	O	Not used. (Open)
7	SUB_T	O	Sub T signal output
8	HP_DETECT	I	Headphone detect signal input
9	POWER_RY	O	Power relay control signal output
10	VOL_CL	O	Volume serial clock signal output
11	VOL_DA	O	Volume serial latch signal output
12	PROTECTOR	I	Protector control signal input
13	BRIDGEABLE_RY	O	Bridgeable relay control signal output
14	FUSE_DETECT	I	Not used. (Fixed to “H” (+3.3V))
15	VOL ENCODER(B)_UP	I	Volume encoder signal input (up)
16	VOL ENCODER(A)_DOWN	I	Volume encoder signal input (down)
17	FRONT_B_RY	O	Front B speakers relay control signal output
18	VSS	—	Ground pin
19	VCC	—	Power supply pin (+3.3 V)
20	INPUT_ENCODER_A	I	Input select encoder signal input A
21	INPUT_ENCODER_B	I	Input select encoder signal input B
22	SW_RY	O	Sub woofer relay control signal output
23	HP_RY	O	Headphone relay control signal output
24	C/REAR/SB_RY	O	Center/surround speaker relay control signal output
25	FRONT_RY	O	Front speaker relay control signal output
26	TUN_DO	I	Tuner serial data signal input
27	TUN_LAT	O	Tuner serial latch signal output
28	V_MUTE	O	Video mute control signal output
29	V_COMP SW2	O	Component video select switch control signal output 2
30	V_COMP SW1	O	Component video select switch control signal output 1
31	V_SW4	O	Video input select switch control signal output 4
32	V_SW3	O	Video input select switch control signal output 3
33	V_SW2	O	Video input select switch control signal output 2
34	V_SW1	O	Video input select switch control signal output 1
35	TUNING_ENCODER_A	I	Not used. (Fixed to “L”)
36	TUNING_ENCODER_B	I	Not used. (Fixed to “L”)
37	PCM1609_RESET	O	Reset signal output for A/D and D/A converters IC
38	DIR_XMODE	O	Mode select signal for digital audio interface IC
39	DIR_CLK_SEL	O	Serial clock select signal output for digital audio interface IC
40	VSS	—	Ground pin
41	TC74HC153_A	O	Input select switch control signal output A
42	TC74HC153_B	O	Input select switch control signal output B
43	VSS	—	Ground pin
44	VCC	—	Power supply pin (+3.3 V)
45	DIR_CLK	O	Serial clock signal output for digital audio interface IC
46	DIR_CE(LAT)	O	Serial latch signal output for digital audio interface IC
47	DIR_DI	O	Serial data signal output for digital audio interface IC
48	DIR_DO	I	Serial data signal input from digital audio interface IC

Pin No.	Pin Name	I/O	Description
49	DIR_ERROR	I	Error signal input from digital audio interface IC
50	DIR_XSTATE	I	State signal input from digital audio interface IC
51	NMI	I	Not used. (Fixed to “H” (+3.3V))
52	MD2	I	Operation mode setting pin 2 for Flash programming
53	MD1	I	Operation mode setting pin 1 (Fixed to “L”)
54	MD0	I	Operation mode setting pin 0 (Fixed to “L”)
55	INIT	I	Reset signal input
56	VCC	—	Power supply pin (+3.3 V)
57	X1	O	High speed clock output (12.5 MHz) (Main clock)
58	X0	I	High speed clock input (12.5 MHz) (Main clock)
59	VSS	—	Ground pin
60	X0A	I	Not used. (Fixed to “L”)
61	X1A	O	Not used. (Open)
62	RESET_TRG	O	Reset trigger signal output
63	DIR_DATA0	I	Serial data signal input for digital audio interface IC
64	BST_SEL	O	Burst select signal output
65	GP9	I	GP9 address strobe signal input
66	BST	O	Burst signal output
67	HCS	O	HCS signal output
68	HACN	I	HACN signal output
69	DSP_RESET	O	Digital signal processor reset signal output
70	FL_CLK	O	Fluorescent display serial clock signal output
71	FL_DATA	O	Fluorescent display serial data signal output
72	PCM1609_ML	O	ML signal output for D/A converter IC
73	PM	O	PM signal output
74	GP12	O	GP12 address strobe signal output
75	PCM1609_MDO	I	MD signal input
76	VSS	—	Ground pin
77	VCC	—	Power supply pin (+3.3 V)
78	FL_LAT	O	Fluorescent display serial latch signal output
79	TUNER_CLK	O	Tuner serial clock signal output
80	TUNER_DATA	O	Tuner serial data signal output
81	STOP	I	Stop signal input
82	SIRCS_IN	I	Remote control receiver signal input
83	ERROR_SEL	I	Error select signal input
84	RDS CLK	I/O	XMDB power control signal output
85	POWER_KEY	I	Power key signal input
86	RDS_DATA	I	XM command signal input
87	DCAC DSP IN	I	DCAC display in signal input
88	HDMI CEC IN	I	HDMI CEC signal input
89	HDMI UART IN	I	HDMI select signal input
90	HDMI UART OUT	O	HDMI select signal output
91	HDMI_CEC_OUT	O	HDMI CEC signal output
92	XM_MIXMO	I	XM MIXMO signal input
93	XM MOXMI	O	Not used. (Fixed to “H” (+3.3V))
94	HDMI_REG_CTRL	O	HDMI REG control signal output
95	VCC	—	Power supply pin (+3.3 V)
96	VSS	—	Ground pin
97	EEPROM_DATA	I/O	EEPROM serial data signal input/output

Pin No.	Pin Name	I/O	Description
98	EEPROM_CLK	O	EEPROM serial clock signal output
99	HDOUT	I	HD signal input from digital signal processor IC
100	HDIN	O	HD signal output from digital signal processor
101	HDCLK	O	HD serial clock signal output from digital signal processor
102	FLASH2	I	Flash signal input
103	FLASH1	O	Flash signal output
104	C_LINK_DET	I	DMPORT link detect signal input
105	DA1	I	Not used. (Open)
106	DA0	I	Not used. (Open)
107	DAVS	—	Ground pin
108	DAVC	—	Power supply pin (+3.3 V)
109	AVCC	I	Analog power supply pin (+3.3 V)
110	AVRH	I	Standard power supply pin (+3.3V) for A/D converter
111	AVSS	—	Analog ground pin
112	VSS	—	Ground pin
113	DCAC_IN	I	DCAC IN signal input
114	AD_KEY1	I	AD key signal input 1
115	AD_KEY2	I	AD key signal input 2
116	VERSION	I	Not used. (Fixed to “L”)
117	TUNER_SD	I	Tuner SD signal input
118	MODEL	I	Not used. (Fixed to “L”)
119	VACS_CTRL	I	VACS control signal input
120	NO USE	I	Not used. (Fixed to “L”)

HDMI RE BOARD IC3511 SII9011CLU (RX)

Pin No.	Pin Name	I/O	Description
1	VSYNC	O	Vertical synchronize signal output for HDMI TX.
2 to 5	QO23 to QO20	—	Not used. (Open)
6	IOGND	—	Ground pin
7	IOVCC	—	Power supply pin (+3.3 V)
8 to 11	QO19 to QO16	—	Not used. (Open)
12	CVCC18	—	Power supply pin (+1.8 V)
13	CGND	—	Ground pin
14 to 17	QO15 to QO12	—	Not used. (Open)
18	IOGND	—	Ground pin
19	IOVCC	—	Power supply pin (+3.3 V)
20 to 23	QO11 to QO8	—	Not used. (Open)
24	CVCC18	—	Power supply pin (+1.8 V)
25	CGND	—	Ground pin
26 to 29	QO7 to QO4	—	Not used. (Open)
30	IOGND	—	Ground pin
31	IOVCC	—	Power supply pin (+3.3 V)
32 to 35	QO3 to QO0	—	Not used. (Open)
36	CVCC18	—	Power supply pin (+1.8 V)
37	CGND	—	Ground pin
38	CI2CA	—	Not used. (Fixed to “L”)
39	CSDA	I/O	I^2C two-way data bus with HDMI section.
40	CSCL	I	I^2C clock signal input from HDMI controller.
41	DSDA	I/O	I^2C two-way data bus with HDMI input select.
42	DSDL	I	I^2C clock signal input from HDMI input select.
43	NC	—	Not used. (Open)
44	PWR5V	I	HDMI DVD IN, VIDEO 2/BD IN, OUT connector detect signal input
45	CVCC18	—	Power supply pin (+1.8 V)
46	PGND	—	Ground pin
47	PVCC	—	Power supply pin (+3.3 V)
48	RSVD	—	Not used. (Open)
49	AVCC	—	Power supply pin (+3.3 V)
50	RXC–	I	TMDS clock signal input from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
51	RXC+	I	TMDS clock signal input from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
52	AGND	—	Ground pin
53	AVCC	—	Power supply pin (+3.3 V)
54	RX0–	I	TMDS data input 0 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
55	RX0+	I	TMDS data input 0 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
56	AGND	—	Ground pin
57	AVCC	—	Power supply pin (+3.3 V)
58	RX1–	I	TMDS data input 1 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
59	RX1+	I	TMDS data input 1 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
60	AGND	—	Ground pin
61	AVCC	—	Power supply pin (+3.3 V)
62	RX2–	I	TMDS data input 2 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
63	RX2+	I	TMDS data input 2 from HDMI DVD IN, VIDEO 2/BD IN, OUT connector.
64	AGND	—	Ground pin
65	DGND	—	Ground pin
66	DVCC18	—	Power supply pin (+1.8 V)

Pin No.	Pin Name	I/O	Description
67	MUTE	O	Audio muting signal output
68	IOVCC	—	Power supply pin (+3.3 V)
69	IOGND	—	Ground pin
70	SPDIF	O	SPDIF signal output for digital audio interface and HDMI TX
71 to 74	SD3 to SD0	O	Serial data output for HDMI TX
75	WS	O	Word select signal output for HDMI TX
76	SCK	O	Serial clock signal output for HDMI TX
77	IOVCC	—	Power supply pin (+3.3 V)
78	IOGND	—	Ground pin
79	MCLK	O	Audio master clock signal output for HDMI TX
80	CGND	—	Ground pin
81	CVCC18	—	Power supply pin (+1.8 V)
82	AUDPVCC18	—	Power supply pin (+1.8 V)
83	AUDPGND	—	Ground pin
84	XTALOUT	O	System clock output (28.322 MHz)
85	XTALIN	I	System clock input (28.322 MHz)
86	XTALVCC	—	Power supply pin (+3.3 V)
87	REGVCC	—	Power supply pin (+3.3 V)
88	RSVDL	—	Not used. (Fixed to “L”)
89	RESET	I	Reset signal input from HDMI controller. (L: Reset)
90	SCDT	—	Not used. (Open)
91	INT	O	Interrupt signal output for HDMI controller.
92 to 96	QE23 to QE19	O	Serial data output 23 to 19 for HDMI TX
97	IOGND	—	Ground pin
98	IOVCC	—	Power supply pin (+3.3 V)
99 to 105	QE18 to QE12	O	Serial data output 18 to 12 for HDMI TX
106	IOGND	—	Ground pin
107	IOVCC	—	Power supply pin (+3.3 V)
108 to 111	QE11 to QE8	O	Serial data output 11 to 8 for HDMI TX
112	CVCC18	—	Power supply pin (+1.8 V)
113	CGND	—	Ground pin
114 to 117	QE7 to QE4	O	Serial data output 7 to 4 for HDMI TX
118	IOGND	—	Ground pin
119	ODCK	O	Output data clock signal output for HDMI TX
120	IOVCC	—	Power supply pin (+3.3 V)
121 to 124	QE3 to QE0	O	Serial data output 3 to 0 for HDMI TX
125	CVCC18	—	Power supply pin (+1.8 V)
126	CGND	—	Ground pin
127	DE	O	Data enable signal output for HDMI TX
128	HSYNC	O	Horizontal synchronize signal output for HDMI TX

HDMI RE BOARD IC3513 SII9030CTU-7 (TX)

Pin No.	Pin Name	I/O	Description
1	HSYNC	I	Horizontal synchronize signal input from HDMI RX.
2	VSYNC	I	Vertical synchronize signal input from HDMI RX.
3	CGND	—	Ground pin
4	CVCC18	—	Power supply pin (+1.8 V)
5	SPDIF	I	SPDIF signal input from HDMI RX.
6	MCLK	I	Audio master clock signal input from HDMI RX.
7 to 10	SD3 to SD0	I	Serial data input from HDMI RX.
11	WS	I	Word select signal input from HDMI RX.
12	SCK	I	Serial clock signal input from HDMI RX.
13	IOVCC	—	Power supply pin (+3.3 V)
14	IOGND	—	Ground pin
15	CGND	—	Ground pin
16	CVCC18	—	Power supply pin (+1.8 V)
17	INT	O	Interrupt signal output for HDMI controller.
18	HPD	I	Hot plug detect signal input from HDMI OUT connector.
19	DSDA	I/O	I^2C two-way data bus with HDMI OUT connector.
20	DSCL	O	I^2C clock signal output for HDMI OUT connector.
21	RSVDL	—	Not used. (Fixed to “L”)
22	PGND1	—	Ground pin
23	PVCC1	—	Power supply pin (+3.3 V)
24	EXT_SWING	—	Not used. (Fixed to “H” (+3.3V))
25	AGND	—	Ground pin
26	TXC–	O	TMDS clock signal output for HDMI OUT connector.
27	TXC+	O	TMDS clock signal output for HDMI OUT connector.
28	AVCC	—	Power supply pin (+3.3 V)
29	TX0–	O	TMDS data output 0 for HDMI OUT connector.
30	TX0+	O	TMDS data output 0 for HDMI OUT connector.
31	AGND	—	Ground pin
32	TX1–	O	TMDS data output 1 for HDMI OUT connector.
33	TX1+	O	TMDS data output 1 for HDMI OUT connector.
34	AVCC	—	Power supply pin (+3.3 V)
35	TX2–	O	TMDS data output 2 for HDMI OUT connector.
36	TX2+	O	TMDS data output 2 for HDMI OUT connector.
37	AGND	—	Ground pin
38	PVCC2	—	Power supply pin (+3.3 V)
39	PGND2	—	Ground pin
40	NC	—	Not used. (Open)
41	CI2CA	—	Not used. (Fixed to “L”)
42	RESET	I	Reset signal input from HDMI controller. (L: Reset)
43	CSCL	I	I^2C clock signal input from HDMI controller.
44	CSDA	I/O	I^2C two-way data bus with HDMI section.
45	CVCC18	—	Power supply pin (+1.8 V)
46	CGND	—	Ground pin
47	IOGND	—	Ground pin
48	IOVCC	—	Power supply pin (+3.3 V)
49 to 58	D23 to D14	I	Serial data input 23 to 14 from HDMI RX
59	CVCC18	—	Power supply pin (+1.8 V)
60	CGND	—	Ground pin

Pin No.	Pin Name	I/O	Description
61 to 65	D13 to D9	I	Serial data input 13 to 9 from HDMI RX
66	IDCK	I	Output data clock signal input from HDMI RX.
67 to 70	D8 to D5	I	Serial data input 8 to 5 from HDMI RX
71	IOVCC	—	Power supply pin (+3.3 V)
72	IOGND	—	Ground pin
73	CGND	—	Ground pin
74	CVCC18	—	Power supply pin (+1.8 V)
75 to 79	D4 to D0	I	Serial data input 4 to 0 from HDMI RX
80	DE	I	Data enable signal input from HDMI RX.

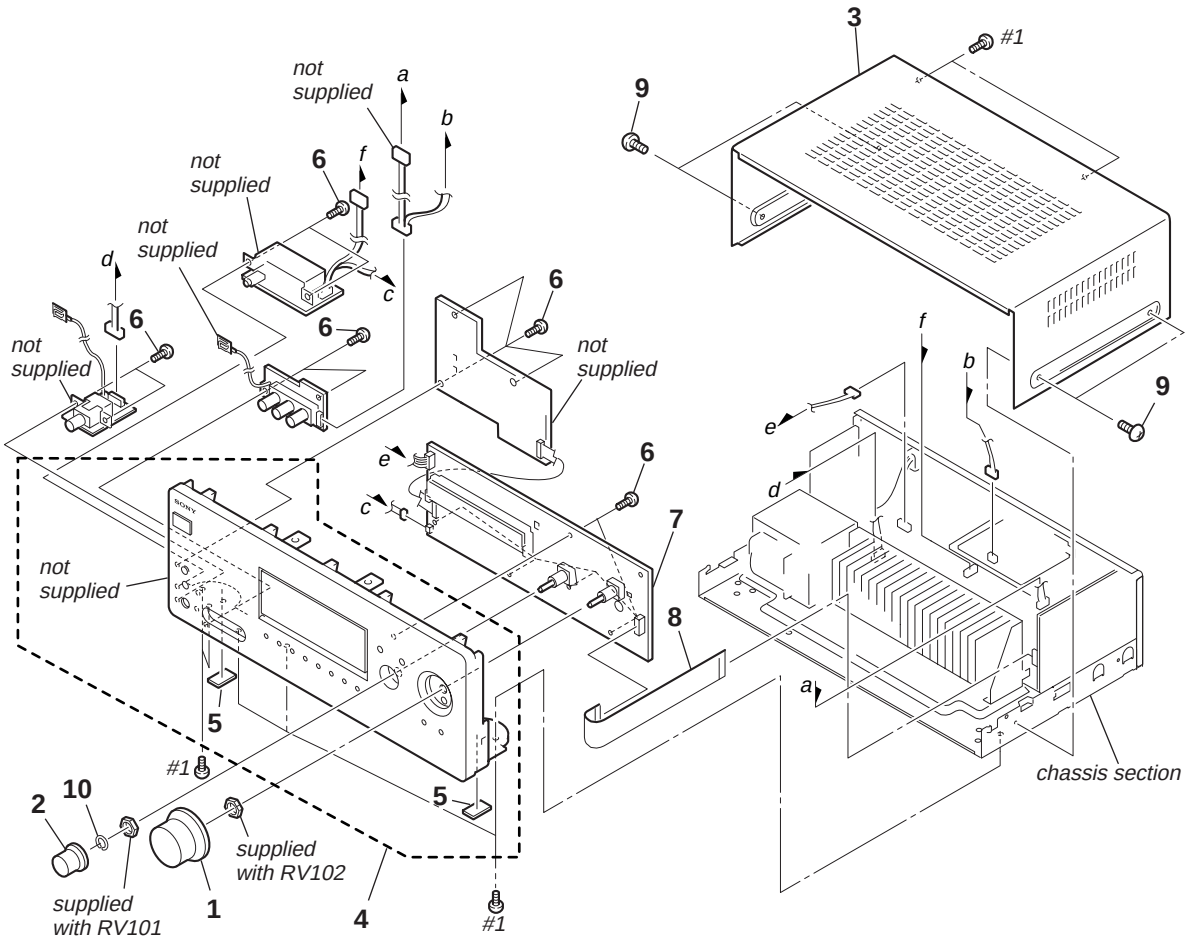
SECTION 5
EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

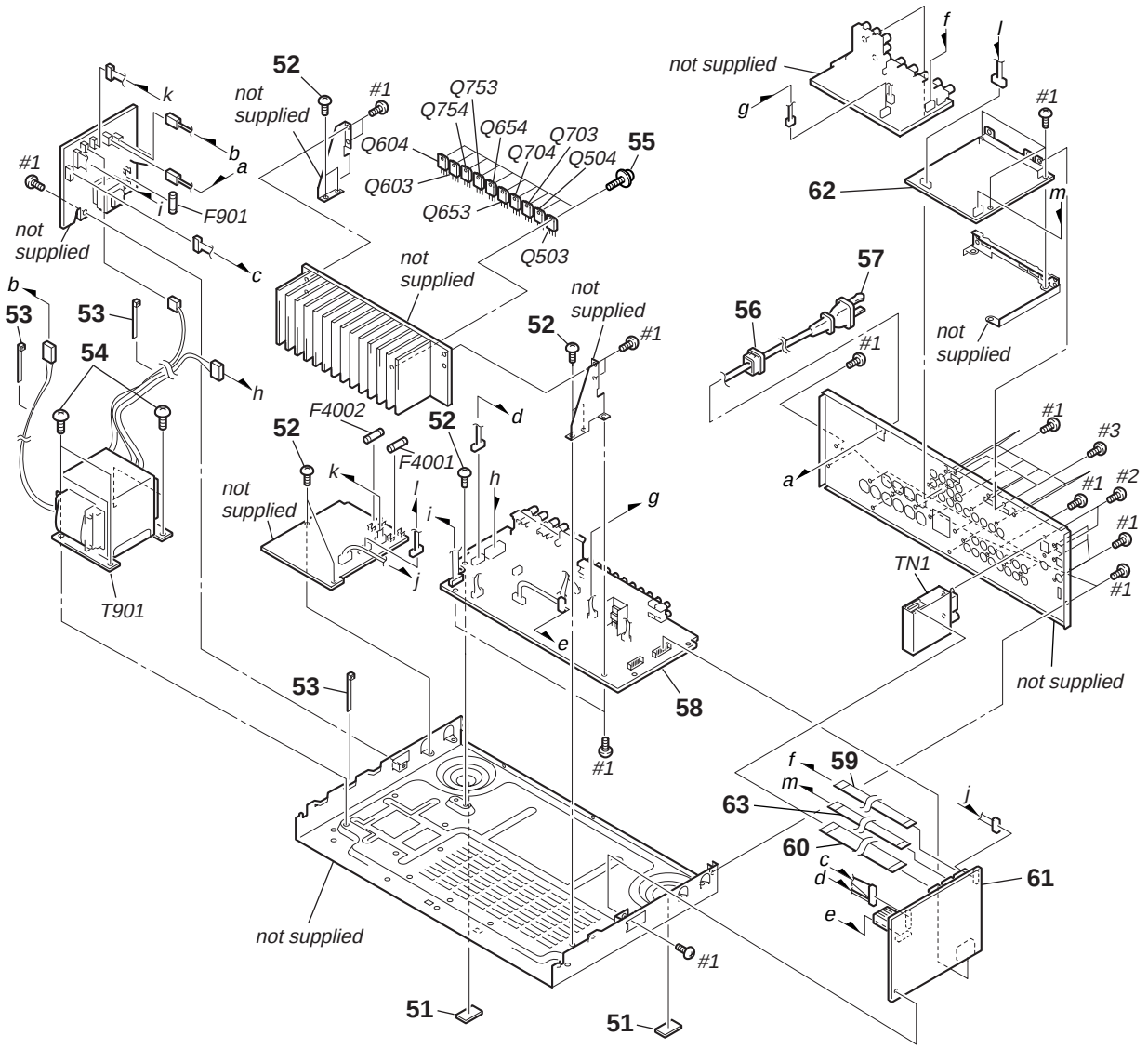
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

5-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	2-661-142-01	VOLUME KNOB	
2	2-661-141-01	MENU KNOB	
3	2-661-145-11	CASE	
4	X-2176-944-1	FRONT PANEL ASSY	
5	4-977-358-01	CUSHION	
6	3-087-053-01	+BVTP2.6 (3CR)	
7	A-1242-882-A	DISPLAY BOARD, COMPLETE	
8	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)	
9	3-363-099-02	SCREW (CASE 3 TP2)	
10	3-354-981-11	SPRING (SUS), RING	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

5-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
51	4-977-358-01	CUSHION	
52	3-077-331-21	+BV3 (3-CR)	
53	3-701-748-00	CLAMP	
54	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
55	3-905-609-01	SCREW (TRANSISTOR)	
56	3-703-244-21	CORD BUSH (2104)	
⚠57	1-783-820-11	CORD, POWER	
58	A-1242-875-A	MAIN BOARD, COMPLETE	
59	1-828-946-11	WIRE (FLAT TYPE) (7 CORE)	
60	1-828-953-11	WIRE (FLAT TYPE) (9 CORE)	
61	A-1242-883-A	DIGITAL BOARD, COMPLETE	
62	A-1253-209-A	HDMI RE BOARD, COMPLETE	
63	1-828-560-11	WIRE (FLAT TYPE) (7 CORE)	
⚠F4001	1-532-465-33	FUSE (3.15AL/250V)	
⚠F4002	1-532-465-33	FUSE (3.15AL/250V)	
⚠F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5)(5A/125V)	

Ref. No.	Part No.	Description	Remark
⚠Q503	6-702-390-01	IC MN2488-OPY-MK	
⚠Q504	6-702-391-01	IC MP1620-OPY-MK	
⚠Q603	6-702-390-01	IC MN2488-OPY-MK	
⚠Q604	6-702-391-01	IC MP1620-OPY-MK	
⚠Q653	6-702-390-01	IC MN2488-OPY-MK	
⚠Q654	6-702-391-01	IC MP1620-OPY-MK	
⚠Q703	6-702-390-01	IC MN2488-OPY-MK	
⚠Q704	6-702-391-01	IC MP1620-OPY-MK	
⚠Q753	6-702-390-01	IC MN2488-OPY-MK	
⚠Q754	6-702-391-01	IC MP1620-OPY-MK	
⚠T901	1-443-524-11	POWER TRANSFORMER	
TN1	1-693-728-11	TUNER (FM/AM)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-862-09	SCREW +BVTT 2.6X6 (S)	
#3	7-685-871-01	SCREW +BVTT 3X6 (S)	

DCAC DCDC

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- COILS
  uH: µH
- CAPACITORS
  uF: µF
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .

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

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

Ref. No.	Part No.	Description			Remark
		DCAC BOARD			
		**********			
		< CAPACITOR >			
C2001	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2002	1-126-160-11	ELECT	1uF	20%	50V
C2003	1-164-373-11	CERAMIC CHIP	0.033uF		25V
C2005	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C2006	1-126-160-11	ELECT	1uF	20%	50V
C2008	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
C2010	1-164-373-11	CERAMIC CHIP	0.033uF		25V
C2011	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C2012	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C2013	1-126-160-11	ELECT	1uF	20%	50V
C2014	1-124-465-00	ELECT	0.47uF	20%	50V
C2018	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2205	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< DIODE >			
D2013	8-719-988-61	DIODE 1SS355TE-17			
D2014	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC2000	8-759-710-97	IC NJM4565M-D			
		< JACK >			
J2000	1-820-056-11	SMALL TYPE JACK(AUTO CAL MIC)			
		< RESISTOR >			
R2000	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2005	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2006	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2007	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2008	1-216-854-11	METAL CHIP	560K	5%	1/10W
R2010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2015	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2016	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2018	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R2019	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< TEST PIN >			
* TP2000	1-690-880-31	LEAD (WITH CONNECTOR)			
		DCDC BOARD			
		**********			
HS4100	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C4002	1-128-549-11	ELECT	3300uF	20%	35V
C4003	1-115-814-11	ELECT	0.001F	20%	35V
C4004	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C4005	1-128-950-21	ELECT	1000uF	20%	16V
C4006	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4007	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4010	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4100	1-115-814-11	ELECT	0.001F	20%	35V
C4102	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C4103	1-128-950-21	ELECT	1000uF	20%	16V
		< CONNECTOR >			
CN4101	1-779-977-11	PIN, CONNECTOR 6P			
		< DIODE >			
D4001	8-719-081-52	DIODE D5SBA20-4003			
D4803	8-719-080-53	DIODE RK36LF-B3			
D4804	8-719-080-53	DIODE RK36LF-B3			
		< FUSE HOLDER >			
FH4001	1-533-313-11	FUSE HOLDER 0A 0V			
FH4002	1-533-313-11	FUSE HOLDER 0A 0V			
FH4003	1-533-313-11	FUSE HOLDER 0A 0V			
FH4004	1-533-313-11	FUSE HOLDER 0A 0V			
		< IC >			
IC4001	8-759-474-09	IC SI-8050S-LF1101			
IC4100	8-759-659-28	IC SI-8033S			
		< COIL >			
L4000	1-456-545-11	INDUCTOR	100uH		
L4001	1-456-545-11	INDUCTOR	100uH		
L4100	1-456-545-11	INDUCTOR	100uH		
L4101	1-456-545-11	INDUCTOR	100uH		

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R4000	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R4001	1-216-817-11	METAL CHIP	470	5%	1/10W
R4002	1-216-819-11	METAL CHIP	680	5%	1/10W
R4100	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R4101	1-216-817-11	METAL CHIP	470	5%	1/10W
R4102	1-216-819-11	METAL CHIP	680	5%	1/10W
**********					
	A-1242-883-A	DIGITAL BOARD, COMPLETE			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-126-925-91	ELECT	470uF	20%	10V
C1002	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C1004	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1005	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1019	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1021	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1022	1-135-372-31	ELECT	470uF	20%	10V
C1031	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1032	1-135-372-31	ELECT	470uF	20%	10V
C1066	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1067	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1068	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1071	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1079	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1100	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-126-947-11	ELECT	47uF	20%	35V
C1118	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1119	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1121	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1122	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1123	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1124	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1139	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1140	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1141	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1142	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1145	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1146	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1301	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1303	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1305	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	35V
C1308	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1312	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1316	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1331	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1342	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1351	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1354	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-104-662-91	ELECT	22uF	20%	25V
C1358	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1361	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1362	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1401	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	35V
C1403	1-126-964-11	ELECT	10uF	20%	50V
C1404	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1405	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1406	1-126-964-11	ELECT	10uF	20%	50V
C1407	1-126-964-11	ELECT	10uF	20%	50V
C1408	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1409	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1414	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1418	1-126-964-11	ELECT	10uF	20%	50V
C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1423	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1428	1-126-964-11	ELECT	10uF	20%	50V
C1432	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1433	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1438	1-126-964-11	ELECT	10uF	20%	50V
C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1448	1-126-964-11	ELECT	10uF	20%	50V
C1450	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1454	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1455	1-126-964-11	ELECT	10uF	20%	50V
C1457	1-126-964-11	ELECT	10uF	20%	50V
C1458	1-126-964-11	ELECT	10uF	20%	50V
C1460	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1461	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1462	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1463	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1468	1-126-964-11	ELECT	10uF	20%	50V
C1471	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1472	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1473	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1474	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1475	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1481	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1483	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V

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Ref. No.	Part No.	Description			Remark
C1491	1-126-964-11	ELECT	10uF	20%	50V
C1494	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1501	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1502	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1503	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1504	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1505	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1506	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1507	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1508	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1509	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1510	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1511	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1513	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1514	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1515	1-126-925-91	ELECT	470uF	20%	10V
C1516	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1517	1-126-925-91	ELECT	470uF	20%	10V
C1518	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1519	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1520	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1525	1-126-925-91	ELECT	470uF	20%	10V
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1604	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1605	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1661	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1667	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1702	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1703	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1704	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C1705	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1707	1-126-960-11	ELECT	1uF	20%	50V
C1800	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1801	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1802	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1803	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1804	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1805	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1806	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1807	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1905	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1906	1-126-925-91	ELECT	470uF	20%	10V
C1908	1-126-925-91	ELECT	470uF	20%	10V
C1910	1-165-722-11	ELECT	100uF	20%	10V
C1911	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1913	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C1914	1-126-947-11	ELECT	47uF	20%	35V
C1919	1-126-965-11	ELECT	22uF	20%	50V
C1920	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1921	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1949	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1950	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1951	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1952	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1953	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C1960	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1961	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1970	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1971	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1985	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1986	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1987	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2281	1-126-925-91	ELECT	470uF	20%	10V
		< CONNECTOR >			
* CNP505	1-564-510-11	PLUG, CONNECTOR 7P			
CNP506	1-691-771-11	PLUG (MICRO CONNECTOR) 9P			
* CNP512	1-564-506-11	PLUG, CONNECTOR 3P			
		< CONECTOR >			
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CNS502	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P			
CNS504	1-784-731-11	CONNECTOR, FFC 9P			
CNS506	1-784-366-51	CONNECTOR, FFC/FPC 7P			
CNS507	1-568-828-11	CONNECTOR, FFC 9P			
CNS509	1-568-826-11	CONNECTOR, FFC 7P			
CNS511	1-784-778-11	CONNECTOR, FFC 17P			
		< DIODE >			
D1001	8-719-053-18	DIODE 1SR154-400TE-25			
D1003	8-719-049-09	DIODE 1SS367-T3SONY			
D1004	8-719-049-09	DIODE 1SS367-T3SONY			
D1107	8-719-404-50	DIODE MA111-TX			
D1108	8-719-404-50	DIODE MA111-TX			
D1109	8-719-404-50	DIODE MA111-TX			
D1110	8-719-404-50	DIODE MA111-TX			
D1111	8-719-404-50	DIODE MA111-TX			
D1301	8-719-404-50	DIODE MA111-TX			
D1302	8-719-404-50	DIODE MA111-TX			
D1501	8-719-049-09	DIODE 1SS367-T3SONY			
D1502	8-719-049-09	DIODE 1SS367-T3SONY			
D1503	8-719-049-09	DIODE 1SS367-T3SONY			
D1504	8-719-049-09	DIODE 1SS367-T3SONY			
D1701	8-719-060-48	DIODE RB751V-40TE-17			
		< FERRITE BEAD >			
FB1101	1-400-862-11	BEAD, FERRITE			
FB1302	1-400-862-11	BEAD, FERRITE			
FB1305	1-400-862-11	BEAD, FERRITE			
FB1308	1-400-862-11	BEAD, FERRITE			
FB1309	1-400-862-11	BEAD, FERRITE			
FB1310	1-400-862-11	BEAD, FERRITE			
FB1350	1-400-862-11	BEAD, FERRITE			
FB1405	1-400-862-11	BEAD, FERRITE			
FB1452	1-400-862-11	BEAD, FERRITE			

Ref. No.	Part No.	Description	Remark
FB1453	1-400-862-11	BEAD, FERRITE	
FB1501	1-400-862-11	BEAD, FERRITE	
FB1502	1-400-862-11	BEAD, FERRITE	
FB1503	1-400-862-11	BEAD, FERRITE	
FB1504	1-469-670-21	FERRITE, EMI (SMD) (2012)	
FB1505	1-400-862-11	BEAD, FERRITE	
		< IC >	
IC1001	8-759-231-53	IC TA7805S	
IC1017	8-759-680-48	IC TC7WH157FK (TE85R)	
⚠IC1031	6-705-469-01	IC BA50BC0FP-E2	
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC1131	6-705-866-01	IC BR24L16FJ-WE2	
IC1301	8-759-825-15	IC LC89056W-E	
IC1302	8-759-595-15	IC TC74ACT153F (EL)	
IC1303	8-759-096-87	IC TC7WU04FU (TE12R)	
IC1351	6-600-466-01	IC TORX147L (SONY)(VIDEO 2/BD IN)	
IC1354	6-600-466-01	IC TORX147L (SONY)(SAT IN)	
IC1401	6-707-608-01	IC PCM1803DBR	
IC1403	8-759-710-97	IC NJM4565M-D	
IC1404	8-759-710-97	IC NJM4565M-D	
IC1405	8-759-710-97	IC NJM4565M-D	
IC1452	6-708-784-01	IC PCM1602APT	
IC1501	6-705-900-01	IC CXD9718BQ	
IC1502	6-709-278-01	IC IS61WV6416BLL-12TLI	
IC1503	8-759-546-74	IC TC7WH157FU (TE12R)	
IC1700	8-759-058-62	IC TC7S08FU (TE85R)	
IC1710	8-759-277-63	IC TC7W14FU (TE12R)	
⚠IC1901	6-701-887-02	IC SI-3004KWF	
⚠IC1902	8-759-231-56	IC TA7809S	
⚠IC1904	6-705-468-01	IC BA33BC0FP-E2	
IC1906	6-707-745-10	IC SI-3050KM-TL	
IC1907	6-807-248-01	IC MB91353APMT-G-112E1	
		< JACK >	
J1301	1-793-446-21	JACK, PIN 1P(COAXIAL/DVD IN)	
J1311	1-817-615-21	CONNECTOR BOARD TO BOARD 18P(DMPORT)	
		< JUMPER RESISTOR >	
JR1000	1-211-950-11	SHORT CHIP 0	
JR1001	1-211-950-11	SHORT CHIP 0	
JR1002	1-211-950-11	SHORT CHIP 0	
JR1003	1-211-950-11	SHORT CHIP 0	
JR1005	1-216-864-11	SHORT CHIP 0	
JR1006	1-211-950-11	SHORT CHIP 0	
JR1008	1-216-864-11	SHORT CHIP 0	
JR1009	1-211-950-11	SHORT CHIP 0	
JR1010	1-211-950-11	SHORT CHIP 0	
JR1020	1-216-864-11	SHORT CHIP 0	
JR1511	1-400-862-11	BEAD, FERRITE	
		< JUMPER RESISTOR >	
JW1700	1-216-864-11	SHORT CHIP 0	
		< COIL >	
L1403	1-400-862-11	BEAD, FERRITE	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q1701	8-729-620-10	TRANSISTOR	2SA1602TP-1EF		
Q1702	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
Q1703	8-729-620-13	TRANSISTOR	2SC4154TP-1EF		
Q1704	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R1010	1-216-809-11	METAL CHIP	100	5%	1/10W
R1011	1-216-809-11	METAL CHIP	100	5%	1/10W
R1012	1-216-809-11	METAL CHIP	100	5%	1/10W
R1013	1-216-809-11	METAL CHIP	100	5%	1/10W
R1014	1-216-809-11	METAL CHIP	100	5%	1/10W
R1015	1-216-809-11	METAL CHIP	100	5%	1/10W
R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W
R1044	1-216-809-11	METAL CHIP	100	5%	1/10W
R1050	1-216-809-11	METAL CHIP	100	5%	1/10W
R1061	1-216-809-11	METAL CHIP	100	5%	1/10W
R1062	1-216-809-11	METAL CHIP	100	5%	1/10W
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W
R1066	1-216-809-11	METAL CHIP	100	5%	1/10W
R1067	1-216-809-11	METAL CHIP	100	5%	1/10W
R1068	1-216-809-11	METAL CHIP	100	5%	1/10W
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1084	1-216-809-11	METAL CHIP	100	5%	1/10W
R1085	1-216-809-11	METAL CHIP	100	5%	1/10W
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1093	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1120	1-216-809-11	METAL CHIP	100	5%	1/10W
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
R1125	1-216-809-11	METAL CHIP	100	5%	1/10W
R1126	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W

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Ref. No.	Part No.	Description			Remark
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0		
R1157	1-216-864-11	SHORT CHIP	0		
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1164	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1175	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1194	1-216-864-11	SHORT CHIP	0		
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1319	1-216-864-11	SHORT CHIP	0		
R1321	1-216-864-11	SHORT CHIP	0		
R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1325	1-216-864-11	SHORT CHIP	0		
R1327	1-216-809-11	METAL CHIP	100	5%	1/10W
R1331	1-216-809-11	METAL CHIP	100	5%	1/10W
R1332	1-216-809-11	METAL CHIP	100	5%	1/10W
R1333	1-216-809-11	METAL CHIP	100	5%	1/10W
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1352	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1353	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1356	1-216-817-11	METAL CHIP	470	5%	1/10W
R1357	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1358	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1401	1-216-809-11	METAL CHIP	100	5%	1/10W
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1409	1-216-864-11	SHORT CHIP	0		
R1410	1-216-817-11	METAL CHIP	470	5%	1/10W
R1411	1-216-817-11	METAL CHIP	470	5%	1/10W
R1424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1425	1-216-864-11	SHORT CHIP	0		
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1434	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1435	1-216-864-11	SHORT CHIP	0		
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1444	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1445	1-216-864-11	SHORT CHIP	0		
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1463	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1464	1-216-864-11	SHORT CHIP	0		
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1469	1-216-809-11	METAL CHIP	100	5%	1/10W
R1470	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1473	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1483	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1491	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1492	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1493	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1494	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1495	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
R1510	1-216-809-11	METAL CHIP	100	5%	1/10W
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1512	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1514	1-216-809-11	METAL CHIP	100	5%	1/10W
R1516	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1531	1-216-809-11	METAL CHIP	100	5%	1/10W
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1557	1-216-813-11	METAL CHIP	220	5%	1/10W
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1637	1-216-864-11	SHORT CHIP	0		
R1641	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1642	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1643	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1644	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1645	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1701	1-216-864-11	SHORT CHIP	0		
R1702	1-216-813-11	METAL CHIP	220	5%	1/10W
R1703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1704	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1707	1-216-838-11	METAL CHIP	27K	5%	1/10W
R1708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1709	1-216-809-11	METAL CHIP	100	5%	1/10W
R1710	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1711	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1712	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1713	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1714	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1716	1-216-809-11	METAL CHIP	100	5%	1/10W
R1941	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1946	1-216-809-11	METAL CHIP	100	5%	1/10W
R1947	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1948	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1949	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1951	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1952	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1953	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1954	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1960	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1961	1-216-801-11	METAL CHIP	22	5%	1/10W
R1962	1-216-809-11	METAL CHIP	100	5%	1/10W
R1964	1-216-864-11	SHORT CHIP	0		
		< NETWORK RESISTOR >			
RB1500	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB1501	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB1502	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB1503	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB1504	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB1506	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB1507	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB1508	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
		< VIBRATOR >			
X1101	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE)(12.5MHz)			
X1301	1-795-126-21	VIBRATOR, CRYSTAL(12.288MHz)			
X1502	1-813-276-21	QUARTZ CRYSTAL(13.9MHz)			

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Ref. No.	Part No.	Description			Remark
	A-1242-882-A	DISPLAY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C110	1-162-286-31	CERAMIC	220PF	10%	50V
C111	1-162-286-31	CERAMIC	220PF	10%	50V
C112	1-162-286-31	CERAMIC	220PF	10%	50V
C114	1-127-888-11	CERAMIC	0.1uF	10%	50V
C115	1-126-964-11	ELECT	10uF	20%	50V
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
C145	1-127-888-11	CERAMIC	0.1uF	10%	50V
C147	1-162-286-31	CERAMIC	220PF	10%	50V
C148	1-126-964-11	ELECT	10uF	20%	50V
C149	1-162-286-31	CERAMIC	220PF	10%	50V
C160	1-127-888-11	CERAMIC	0.1uF	10%	50V
C162	1-127-888-11	CERAMIC	0.1uF	10%	50V
C164	1-162-286-31	CERAMIC	220PF	10%	50V
C165	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
* CN104	1-691-746-11	CONNECTOR, BOARD TO BOARD 5P			
		< CONNECTOR >			
CNP106	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
		< CONNECTOR >			
CNS100	1-784-778-11	CONNECTOR, FFC 17P			
		< DIODE >			
D105	6-501-539-01	DIODE SELK5E20C-DTP15			
		< FLUORESCENT INDICATOR TUBE >			
FL101	1-519-927-11	VACUUM FLOURESCENT DISPLAY			
		< IC >			
IC100	8-759-643-83	IC uPD16315GB-3BS			
IC101	8-759-243-51	IC TC74ACT08P			
IC103	6-600-349-31	IC NJL24H400A			
		< TRANSISTOR >			
Q110	8-729-119-78	TRANSISTOR	2SC2785-HFE		
		< RESISTOR >			
R101	1-249-409-11	CARBON	220	5%	1/4W
R102	1-249-411-11	CARBON	330	5%	1/4W
R103	1-249-413-11	CARBON	470	5%	1/4W
R104	1-249-415-11	CARBON	680	5%	1/4W
R105	1-247-831-91	CARBON	1K	5%	1/4W
R106	1-249-419-11	CARBON	1.5K	5%	1/4W
R107	1-249-421-11	CARBON	2.2K	5%	1/4W
R108	1-249-409-11	CARBON	220	5%	1/4W
R109	1-249-411-11	CARBON	330	5%	1/4W
R110	1-249-413-11	CARBON	470	5%	1/4W
R115	1-247-807-31	CARBON	100	5%	1/4W
R116	1-247-807-31	CARBON	100	5%	1/4W
R117	1-247-807-31	CARBON	100	5%	1/4W

DISPLAY **HDMI RE**

Ref. No.	Part No.	Description			Remark
R118	1-249-440-11	CARBON	82K	5%	1/4W
R119	1-247-807-31	CARBON	100	5%	1/4W
⚠R120	1-249-393-11	CARBON	10	5%	1/4W F
R122	1-247-804-11	CARBON	75	5%	1/4W
R131	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R197	1-249-386-81	CARBON	2.7	5%	1/4W F
⚠R198	1-249-386-81	CARBON	2.7	5%	1/4W F
		< VARIABLE RESISTOR >			
RV101	1-418-817-11	ENCODER, ROTARY			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE)			
		< SWITCH >			
S101	1-771-410-21	SWITCH, TACTILE (MUTING)			
S102	1-771-410-21	SWITCH, TACTILE (AUTO CAL)			
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S105	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S106	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S107	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S108	1-771-410-21	SWITCH, TACTILE (2CH)			
S109	1-771-410-21	SWITCH, TACTILE (+/TUNING)			
S110	1-771-410-21	SWITCH, TACTILE (–/TUNING)			
S111	1-771-410-21	SWITCH, TACTILE (TUNING MODE)			
S112	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
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	A-1253-209-A	HDMI RE BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C3501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3519	1-126-210-21	ELECT CHIP	220uF	20%	4V
C3520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3538	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3540	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3541	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3543	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3544	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3547	1-100-053-21	ELECT CHIP	220uF	20%	6.3V
C3548	1-126-210-21	ELECT CHIP	220uF	20%	4V
C3549	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3550	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3551	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3555	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3571	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3572	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3573	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3574	1-126-210-21	ELECT CHIP	220uF	20%	4V
C3575	1-100-053-21	ELECT CHIP	220uF	20%	6.3V
C3576	1-165-667-21	ELECT CHIP	100uF	20%	6.3V
C3579	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3580	1-165-667-21	ELECT CHIP	100uF	20%	6.3V
C3584	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3585	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3586	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3590	1-128-934-91	CERAMIC CHIP	0.33uF	20%	10V
C3591	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3593	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3594	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3596	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3597	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3617	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3618	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3619	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3621	1-112-791-11	ELECT CHIP	100uF	20%	16V

Ref. No.	Part No.	Description			Remark
C3625	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3627	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3630	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3631	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3633	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3634	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3635	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3643	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3644	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
		< CONNECTOR >			
CN3501	1-820-735-11	HDMI CONNECTOR(DVD IN)			
CN3502	1-820-735-11	HDMI CONNECTOR(VIDEO2/BD IN)			
CN3504	1-820-735-11	HDMI CONNECTOR(HDMI OUT)			
CN3509	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
CN3510	1-784-859-51	CONNECTOR, FFC (LIF (NON-ZIF)) 7P(HDMI)			
CN3512	1-785-466-41	CONNECTOR, FFC/FPC 7P			
		< DIODE >			
D3501	8-719-988-61	DIODE 1SS355TE-17			
D3502	8-719-988-61	DIODE 1SS355TE-17			
D3511	8-719-988-61	DIODE 1SS355TE-17			
D3512	8-719-988-61	DIODE 1SS355TE-17			
		< GROUND TERMINAL >			
ET3503	1-780-318-11	TERMINAL			
		< FERRITE BEAD >			
FB3501	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3502	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3503	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3504	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3505	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3506	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3508	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3509	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3510	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3511	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3512	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3513	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3514	1-414-234-22	INDUCTOR, FERRITE BEAD			
		< IC >			
IC3501	8-759-389-26	IC 74LCX08MTCX			
IC3503	6-710-819-01	IC TMDS341APFCR			
IC3504	8-759-596-39	IC SN74LV4052APWR			
IC3507	6-708-758-01	IC PCA9517DP.118			
IC3509	6-704-001-01	IC BR24L02F-WE2			
IC3511	(not supplied)	IC SII9011CLU			
IC3513	(not supplied)	IC SII9030CTU-7			
IC3516	6-705-337-01	IC TK11150CSCL-G			
IC3519	6-807-228-01	IC M30620FCPGP-RPT02			
IC3521	8-759-596-39	IC SN74LV4052APWR			
IC3526	6-707-744-01	IC SI-3033KM-TL			
IC3527	6-707-744-01	IC SI-3033KM-TL			
IC3528	8-759-832-05	IC BA18BC0FP-E2			

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q3504	6-550-014-01	TRANSISTOR	SSM6N15FU (TE85R)		
Q3505	8-729-600-22	TRANSISTOR	2SA1235-F		
Q3506	8-729-600-22	TRANSISTOR	2SA1235-F		
		< RESISTOR >			
R3500	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3502	1-216-864-11	SHORT CHIP	0		
R3504	1-216-864-11	SHORT CHIP	0		
R3509	1-216-805-11	METAL CHIP	47	5%	1/10W
R3511	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3512	1-216-805-11	METAL CHIP	47	5%	1/10W
R3513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3519	1-216-864-11	SHORT CHIP	0		
R3521	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3524	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3525	1-218-844-11	METAL CHIP	750	0.5%	1/10W
R3526	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3532	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3533	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3535	1-216-864-11	SHORT CHIP	0		
R3536	1-216-864-11	SHORT CHIP	0		
R3541	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3542	1-216-864-11	SHORT CHIP	0		
R3544	1-216-805-11	METAL CHIP	47	5%	1/10W
R3545	1-216-805-11	METAL CHIP	47	5%	1/10W
R3546	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3548	1-216-803-11	METAL CHIP	33	5%	1/10W
R3549	1-216-809-11	METAL CHIP	100	5%	1/10W
R3550	1-216-809-11	METAL CHIP	100	5%	1/10W
R3551	1-216-809-11	METAL CHIP	100	5%	1/10W
R3552	1-216-809-11	METAL CHIP	100	5%	1/10W
R3554	1-216-809-11	METAL CHIP	100	5%	1/10W
R3556	1-216-809-11	METAL CHIP	100	5%	1/10W
R3557	1-216-805-11	METAL CHIP	47	5%	1/10W
R3558	1-216-864-11	SHORT CHIP	0		
R3562	1-216-864-11	SHORT CHIP	0		
R3563	1-216-809-11	METAL CHIP	100	5%	1/10W
R3564	1-218-285-11	METAL CHIP	75	5%	1/10W
R3565	1-216-805-11	METAL CHIP	47	5%	1/10W
R3566	1-218-285-11	METAL CHIP	75	5%	1/10W
R3567	1-218-285-11	METAL CHIP	75	5%	1/10W
R3570	1-216-809-11	METAL CHIP	100	5%	1/10W
R3576	1-216-805-11	METAL CHIP	47	5%	1/10W
R3577	1-216-805-11	METAL CHIP	47	5%	1/10W
R3578	1-216-809-11	METAL CHIP	100	5%	1/10W
R3579	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3580	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R3581	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3582	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R3583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3584	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3585	1-216-864-11	SHORT CHIP	0		
R3586	1-216-864-11	SHORT CHIP	0		

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

Ref. No.	Part No.	Description			Remark
R3587	1-216-864-11	SHORT CHIP	0		
R3588	1-216-864-11	SHORT CHIP	0		
R3589	1-216-864-11	SHORT CHIP	0		
R3590	1-216-864-11	SHORT CHIP	0		
R3591	1-216-864-11	SHORT CHIP	0		
R3592	1-216-864-11	SHORT CHIP	0		
R3593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3597	1-216-864-11	SHORT CHIP	0		
R3598	1-216-864-11	SHORT CHIP	0		
R3599	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3600	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3601	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3602	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3603	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3604	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3608	1-216-805-11	METAL CHIP	47	5%	1/10W
R3609	1-216-805-11	METAL CHIP	47	5%	1/10W
R3610	1-216-805-11	METAL CHIP	47	5%	1/10W
R3611	1-216-805-11	METAL CHIP	47	5%	1/10W
R3612	1-216-805-11	METAL CHIP	47	5%	1/10W
R3613	1-216-805-11	METAL CHIP	47	5%	1/10W
R3614	1-216-805-11	METAL CHIP	47	5%	1/10W
R3615	1-216-805-11	METAL CHIP	47	5%	1/10W
R3616	1-216-805-11	METAL CHIP	47	5%	1/10W
R3621	1-216-805-11	METAL CHIP	47	5%	1/10W
R3622	1-216-805-11	METAL CHIP	47	5%	1/10W
R3623	1-216-805-11	METAL CHIP	47	5%	1/10W
R3624	1-216-801-11	METAL CHIP	22	5%	1/10W
R3625	1-216-801-11	METAL CHIP	22	5%	1/10W
R3633	1-216-864-11	SHORT CHIP	0		
R3634	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3639	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3642	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3645	1-216-809-11	METAL CHIP	100	5%	1/10W
R3652	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3653	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3654	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3660	1-216-864-11	SHORT CHIP	0		
R3661	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3662	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3676	1-216-809-11	METAL CHIP	100	5%	1/10W
R3700	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3711	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3712	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3713	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3714	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3741	1-216-817-11	METAL CHIP	470	5%	1/10W
R3744	1-216-805-11	METAL CHIP	47	5%	1/10W
R3745	1-216-805-11	METAL CHIP	47	5%	1/10W
R3747	1-216-864-11	SHORT CHIP	0		
R3748	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3749	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3750	1-216-805-11	METAL CHIP	47	5%	1/10W
R3775	1-216-797-11	METAL CHIP	10	5%	1/10W
R3776	1-216-797-11	METAL CHIP	10	5%	1/10W
R3784	1-216-864-11	SHORT CHIP	0		
R3788	1-216-864-11	SHORT CHIP	0		
R3790	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3792	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3794	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3796	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3797	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3798	1-216-864-11	SHORT CHIP	0		
R3799	1-216-805-11	METAL CHIP	47	5%	1/10W
		< NETWORK RESISTOR >			
RB3501	1-234-723-11	RES, NETWORK	75 (1005X4)		
RB3502	1-234-723-11	RES, NETWORK	75 (1005X4)		
RB3503	1-234-723-11	RES, NETWORK	75 (1005X4)		
RB3504	1-234-723-11	RES, NETWORK	75 (1005X4)		
RB3505	1-234-723-11	RES, NETWORK	75 (1005X4)		
RB3506	1-234-723-11	RES, NETWORK	75 (1005X4)		
		< VIBRATOR >			
X3501	1-813-570-21	VIBRATOR, CRYSTAL(28.322MHz)			
X3502	1-795-244-11	VIBRATOR, CERAMIC(10MHz)			
**********					
		HEADPHONE BOARD			
		**********			
		< CAPACITOR >			
C790	1-127-888-11	CERAMIC	0.1uF	10%	50V
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
* CNP790	1-564-508-11	PLUG, CONNECTOR 5P			
		< JACK >			
J790	1-815-314-21	JACK(PHONES)			
		< TEST PIN >			
* TP790	1-690-880-31	LEAD (WITH CONNECTOR)			
**********					
	A-1242-875-A	MAIN BOARD, COMPLETE			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C400	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C403	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V
C409	1-126-963-11	ELECT	4.7uF	20%	50V
C444	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C453	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C458	1-126-963-11	ELECT	4.7uF	20%	50V
C459	1-126-963-11	ELECT	4.7uF	20%	50V
C463	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C464	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description			Remark
C468	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C469	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C481	1-126-964-11	ELECT	10uF	20%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V
C485	1-126-964-11	ELECT	10uF	20%	50V
C488	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C492	1-126-964-11	ELECT	10uF	20%	50V
C493	1-126-964-11	ELECT	10uF	20%	50V
C495	1-126-964-11	ELECT	10uF	20%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C503	1-165-722-11	ELECT	100uF	20%	10V
C504	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C505	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C507	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C510	1-126-947-11	ELECT	47uF	20%	35V
C511	1-136-157-00	FILM	0.022uF	5%	50V
C516	1-162-815-11	CERAMIC	47PF	5%	500V
C517	1-162-815-11	CERAMIC	47PF	5%	500V
C519	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C529	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C603	1-165-722-11	ELECT	100uF	20%	10V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C607	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C610	1-126-947-11	ELECT	47uF	20%	35V
C611	1-136-157-00	FILM	0.022uF	5%	50V
C619	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C620	1-162-815-11	CERAMIC	47PF	5%	500V
C621	1-162-815-11	CERAMIC	47PF	5%	500V
C640	1-126-964-11	ELECT	10uF	20%	50V
C642	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C651	1-126-963-11	ELECT	4.7uF	20%	50V
C653	1-165-722-11	ELECT	100uF	20%	10V
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C656	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C657	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C660	1-126-947-11	ELECT	47uF	20%	35V
C661	1-136-157-00	FILM	0.022uF	5%	50V
C666	1-162-815-11	CERAMIC	47PF	5%	500V
C669	1-162-815-11	CERAMIC	47PF	5%	500V
C670	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V
C681	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C691	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C702	1-126-964-11	ELECT	10uF	20%	50V
C703	1-165-722-11	ELECT	100uF	20%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C707	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C710	1-126-947-11	ELECT	47uF	20%	35V
C711	1-136-157-00	FILM	0.022uF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V
C717	1-162-815-11	CERAMIC	47PF	5%	500V
C720	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C721	1-126-923-91	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C729	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C732	1-128-582-11	ELECT	10uF	20%	100V
C733	1-128-582-11	ELECT	10uF	20%	100V
C740	1-126-964-11	ELECT	10uF	20%	50V
C741	1-128-579-11	ELECT	2.2uF	20%	100V
C742	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C743	1-128-579-11	ELECT	2.2uF	20%	100V
C744	1-128-579-11	ELECT	2.2uF	20%	100V
C749	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C750	1-126-964-11	ELECT	10uF	20%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C752	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C753	1-165-722-11	ELECT	100uF	20%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C757	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C760	1-126-947-11	ELECT	47uF	20%	35V
C761	1-136-157-00	FILM	0.022uF	5%	50V
C762	1-126-964-11	ELECT	10uF	20%	50V
C766	1-162-815-11	CERAMIC	47PF	5%	500V
C767	1-162-815-11	CERAMIC	47PF	5%	500V
C770	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C791	1-126-923-91	ELECT	220uF	20%	10V
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-165-960-11	ELECT (BLOCK)	6800uF	20%	71V
C804	1-165-960-11	ELECT (BLOCK)	6800uF	20%	71V
C805	1-135-851-21	MYLAR	0.22uF		100V
C806	1-135-851-21	MYLAR	0.22uF		100V
C807	1-126-947-11	ELECT	47uF	20%	35V
C808	1-126-947-11	ELECT	47uF	20%	35V
C809	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C810	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C811	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C822	1-126-947-11	ELECT	47uF	20%	35V
C830	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C831	1-137-980-91	CERAMIC CHIP	0.47uF	10%	50V
C832	1-126-936-11	ELECT	3300uF	20%	16V
C842	1-165-732-31	ELECT	47uF	20%	25V
C3022	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3024	1-126-963-11	ELECT	4.7uF	20%	50V
C3025	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3026	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3027	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3032	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3034	1-126-963-11	ELECT	4.7uF	20%	50V
C3037	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

MAIN

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN500	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P	
CN506	1-779-978-11	PIN, CONNECTOR 3P	
		< CONNECTOR >	
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	
* CNP503	1-564-506-11	PLUG, CONNECTOR 3P	
* CNP507	1-564-507-11	PLUG, CONNECTOR 4P	
* CNP801	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	
* CNP802	1-564-509-11	PLUG, CONNECTOR 6P	
* CNP912	1-564-506-11	PLUG, CONNECTOR 3P	
		< DIODE >	
D505	6-501-193-01	DIODE 1SS355WTE-17	
D529	6-501-193-01	DIODE 1SS355WTE-17	
D540	6-501-193-01	DIODE 1SS355WTE-17	
D560	6-501-193-01	DIODE 1SS355WTE-17	
D605	6-501-193-01	DIODE 1SS355WTE-17	
D610	6-501-193-01	DIODE 1SS355WTE-17	
D611	6-501-193-01	DIODE 1SS355WTE-17	
D640	6-501-193-01	DIODE 1SS355WTE-17	
D665	6-501-193-01	DIODE 1SS355WTE-17	
D680	6-501-193-01	DIODE 1SS355WTE-17	
D690	8-719-083-71	DIODE UDZSTE-1730B	
D691	6-501-193-01	DIODE 1SS355WTE-17	
D701	6-501-193-01	DIODE 1SS355WTE-17	
D705	6-501-193-01	DIODE 1SS355WTE-17	
D710	6-501-193-01	DIODE 1SS355WTE-17	
D721	6-501-193-01	DIODE 1SS355WTE-17	
D722	6-501-193-01	DIODE 1SS355WTE-17	
D729	6-501-193-01	DIODE 1SS355WTE-17	
D732	6-501-193-01	DIODE 1SS355WTE-17	
D733	6-501-193-01	DIODE 1SS355WTE-17	
D740	6-501-193-01	DIODE 1SS355WTE-17	
D749	6-501-193-01	DIODE 1SS355WTE-17	
D750	6-501-193-01	DIODE 1SS355WTE-17	
D765	6-501-193-01	DIODE 1SS355WTE-17	
D791	6-501-193-01	DIODE 1SS355WTE-17	
⚠ D801	8-719-083-85	DIODE UDZSTE-1722B	
⚠ D802	6-501-003-21	DIODE D6SBN20-7003	
⚠ D804	6-500-295-01	DIODE PTZ-TE25-5.6B	
⚠ D805	8-719-053-18	DIODE 1SR154-400TE-25	
⚠ D806	8-719-053-18	DIODE 1SR154-400TE-25	
⚠ D807	8-719-053-18	DIODE 1SR154-400TE-25	
⚠ D808	8-719-053-18	DIODE 1SR154-400TE-25	
D818	6-501-193-01	DIODE 1SS355WTE-17	
D841	6-500-696-01	DIODE UDZSTE-173.0B	
⚠ D896	8-719-053-18	DIODE 1SR154-400TE-25	
		< IC >	
IC401	6-707-362-01	IC BD3451KS	
⚠ IC501	6-700-943-01	IC uPC2581V-S	
⚠ IC601	6-700-943-01	IC uPC2581V-S	
IC691	8-759-710-97	IC NJM4565M-D	
⚠ IC701	6-700-943-01	IC uPC2581V-S	
⚠ IC801	8-759-071-48	IC TA7807S	
⚠ IC802	8-759-071-47	IC TA79007S	

Ref. No.	Part No.	Description	Remark
IC3002	8-759-710-97	IC NJM4565M-D	
		< JACK >	
J309	1-770-377-21	JACK, PIN 1P(SUB WOOFER)	
J402	1-770-614-11	JACK, PIN 4P(VIDEO 1)	
J403	1-770-614-11	JACK, PIN 4P(SAT/DVD)	
J405	1-774-411-11	JACK, PIN 6P(SA-CD/CD/CD-R//TV)	
		< JUMPER RESISTOR >	
JR3000	1-216-296-11	SHORT CHIP 0	
		< COIL >	
L501	1-420-872-52	COIL, AIR-CORE	
L601	1-420-872-52	COIL, AIR-CORE	
L651	1-420-872-52	COIL, AIR-CORE	
L701	1-420-872-52	COIL, AIR-CORE	
L751	1-420-872-52	COIL, AIR-CORE	
		< TRANSISTOR >	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q505	8-729-216-31	TRANSISTOR 2SA1163-G	
Q506	8-729-216-31	TRANSISTOR 2SA1163-G	
Q540	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q560	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q605	8-729-216-31	TRANSISTOR 2SA1163-G	
Q606	8-729-216-31	TRANSISTOR 2SA1163-G	
Q610	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q611	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q612	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q640	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q655	8-729-216-31	TRANSISTOR 2SA1163-G	
Q656	8-729-216-31	TRANSISTOR 2SA1163-G	
Q680	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q691	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q692	8-729-029-40	TRANSISTOR DTA124ESA	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q705	8-729-216-31	TRANSISTOR 2SA1163-G	
Q706	8-729-216-31	TRANSISTOR 2SA1163-G	
Q710	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q722	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q723	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q725	8-729-216-31	TRANSISTOR 2SA1163-G	
Q740	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q750	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q755	8-729-216-31	TRANSISTOR 2SA1163-G	
Q756	8-729-216-31	TRANSISTOR 2SA1163-G	
Q790	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q793	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q795	8-729-216-31	TRANSISTOR 2SA1163-G	
⚠ Q801	8-729-140-97	TRANSISTOR 2SB734-34	

Ref. No.	Part No.	Description			Remark
Q809	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
		< RESISTOR >			
R402	1-216-821-11	METAL CHIP	1K	5%	1/10W
R404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R405	1-216-821-11	METAL CHIP	1K	5%	1/10W
R406	1-216-821-11	METAL CHIP	1K	5%	1/10W
R407	1-216-821-11	METAL CHIP	1K	5%	1/10W
R408	1-216-821-11	METAL CHIP	1K	5%	1/10W
R409	1-216-821-11	METAL CHIP	1K	5%	1/10W
R420	1-216-864-11	SHORT CHIP	0		
R423	1-216-864-11	SHORT CHIP	0		
R428	1-216-821-11	METAL CHIP	1K	5%	1/10W
R429	1-216-821-11	METAL CHIP	1K	5%	1/10W
R452	1-216-821-11	METAL CHIP	1K	5%	1/10W
R454	1-216-821-11	METAL CHIP	1K	5%	1/10W
R455	1-216-821-11	METAL CHIP	1K	5%	1/10W
R456	1-216-821-11	METAL CHIP	1K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W
R458	1-216-821-11	METAL CHIP	1K	5%	1/10W
R459	1-216-821-11	METAL CHIP	1K	5%	1/10W
R468	1-216-845-11	METAL CHIP	100K	5%	1/10W
R469	1-216-821-11	METAL CHIP	1K	5%	1/10W
R470	1-216-841-11	METAL CHIP	47K	5%	1/10W
R471	1-216-841-11	METAL CHIP	47K	5%	1/10W
R472	1-216-841-11	METAL CHIP	47K	5%	1/10W
R473	1-216-841-11	METAL CHIP	47K	5%	1/10W
R474	1-216-841-11	METAL CHIP	47K	5%	1/10W
R475	1-216-833-11	METAL CHIP	10K	5%	1/10W
R476	1-216-833-11	METAL CHIP	10K	5%	1/10W
R501	1-216-821-11	METAL CHIP	1K	5%	1/10W
R502	1-216-843-11	METAL CHIP	68K	5%	1/10W
R503	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R505	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R510	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R511	1-216-844-11	METAL CHIP	82K	5%	1/10W
R513	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠R514	1-249-399-11	CARBON	33	5%	1/4W F
⚠R515	1-249-399-11	CARBON	33	5%	1/4W F
⚠R516	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R517	1-249-393-11	CARBON	10	5%	1/4W F
⚠R518	1-249-389-11	CARBON	4.7	5%	1/4W F
R520	1-216-214-00	RES-CHIP	4.7K	2%	1/8W F
⚠R521	1-240-855-91	CARBON	6.2K	5%	1/4W F
R522	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R524	1-216-835-11	METAL CHIP	15K	5%	1/10W
R525	1-216-843-11	METAL CHIP	68K	5%	1/10W
R529	1-216-833-11	METAL CHIP	10K	5%	1/10W
R532	1-216-833-11	METAL CHIP	10K	5%	1/10W
R533	1-216-841-11	METAL CHIP	47K	5%	1/10W
R539	1-216-845-11	METAL CHIP	100K	5%	1/10W
R540	1-216-837-11	METAL CHIP	22K	5%	1/10W
R546	1-216-835-11	METAL CHIP	15K	5%	1/10W
R555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W
R557	1-216-835-11	METAL CHIP	15K	5%	1/10W
R573	1-216-841-11	METAL CHIP	47K	5%	1/10W
R585	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R586	1-216-841-11	METAL CHIP	47K	5%	1/10W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R602	1-216-843-11	METAL CHIP	68K	5%	1/10W
R603	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R604	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R610	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R611	1-216-844-11	METAL CHIP	82K	5%	1/10W
R613	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠R614	1-249-399-11	CARBON	33	5%	1/4W F
⚠R615	1-249-399-11	CARBON	33	5%	1/4W F
⚠R616	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R617	1-249-393-11	CARBON	10	5%	1/4W F
⚠R618	1-249-389-11	CARBON	4.7	5%	1/4W F
R620	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠R621	1-240-855-91	CARBON	6.2K	5%	1/4W F
R622	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R623	1-216-841-11	METAL CHIP	47K	5%	1/10W
R624	1-216-835-11	METAL CHIP	15K	5%	1/10W
R625	1-216-843-11	METAL CHIP	68K	5%	1/10W
R631	1-216-821-11	METAL CHIP	1K	5%	1/10W
R632	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R633	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠R634	1-249-404-00	CARBON	82	5%	1/4W F
⚠R635	1-249-404-00	CARBON	82	5%	1/4W F
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W
R640	1-216-837-11	METAL CHIP	22K	5%	1/10W
R648	1-216-835-11	METAL CHIP	15K	5%	1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W
R652	1-216-843-11	METAL CHIP	68K	5%	1/10W
R653	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R654	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R656	1-216-841-11	METAL CHIP	47K	5%	1/10W
R657	1-216-835-11	METAL CHIP	15K	5%	1/10W
R660	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R661	1-216-844-11	METAL CHIP	82K	5%	1/10W
R663	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠R664	1-249-399-11	CARBON	33	5%	1/4W F
⚠R665	1-249-399-11	CARBON	33	5%	1/4W F
⚠R666	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R667	1-249-393-11	CARBON	10	5%	1/4W F
⚠R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R669	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠R671	1-240-855-91	CARBON	6.2K	5%	1/4W F
R672	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R673	1-216-841-11	METAL CHIP	47K	5%	1/10W
R674	1-216-835-11	METAL CHIP	15K	5%	1/10W
R675	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R676	1-216-841-11	METAL CHIP	47K	5%	1/10W
R677	1-216-835-11	METAL CHIP	15K	5%	1/10W
R680	1-216-837-11	METAL CHIP	22K	5%	1/10W
R681	1-216-835-11	METAL CHIP	15K	5%	1/10W
R690	1-216-849-11	METAL CHIP	220K	5%	1/10W
⚠R692	1-215-889-00	METAL OXIDE	330	5%	2W F
R693	1-216-833-11	METAL CHIP	10K	5%	1/10W
R694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R695	1-216-833-11	METAL CHIP	10K	5%	1/10W

MAIN **POWER KEY**

Ref. No.	Part No.	Description			Remark
R696	1-216-841-11	METAL CHIP	47K	5%	1/10W
R698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R699	1-216-853-11	METAL CHIP	470K	5%	1/10W
R701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R702	1-216-843-11	METAL CHIP	68K	5%	1/10W
R703	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R704	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R710	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R711	1-216-844-11	METAL CHIP	82K	5%	1/10W
R713	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠R714	1-249-399-11	CARBON	33	5%	1/4W F
⚠R715	1-249-399-11	CARBON	33	5%	1/4W F
⚠R716	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R717	1-249-393-11	CARBON	10	5%	1/4W F
⚠R718	1-249-389-11	CARBON	4.7	5%	1/4W F
R719	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
⚠R721	1-240-855-91	CARBON	6.2K	5%	1/4W F
R722	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R723	1-216-841-11	METAL CHIP	47K	5%	1/10W
R724	1-216-835-11	METAL CHIP	15K	5%	1/10W
R725	1-216-843-11	METAL CHIP	68K	5%	1/10W
R729	1-216-833-11	METAL CHIP	10K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠R732	1-249-381-11	CARBON	1	5%	1/4W F
⚠R733	1-249-381-11	CARBON	1	5%	1/4W F
⚠R734	1-249-404-00	CARBON	82	5%	1/4W F
R735	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R736	1-216-821-11	METAL CHIP	1K	5%	1/10W
R737	1-216-840-11	METAL CHIP	39K	5%	1/10W
⚠R738	1-249-404-00	CARBON	82	5%	1/4W F
R739	1-216-845-11	METAL CHIP	100K	5%	1/10W
R740	1-216-837-11	METAL CHIP	22K	5%	1/10W
R741	1-216-230-00	RES-CHIP	22K	2%	1/8W
R743	1-216-230-00	RES-CHIP	22K	2%	1/8W
R744	1-216-230-00	RES-CHIP	22K	2%	1/8W
R745	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R746	1-216-841-11	METAL CHIP	47K	5%	1/10W
R747	1-216-835-11	METAL CHIP	15K	5%	1/10W
R748	1-216-835-11	METAL CHIP	15K	5%	1/10W
R749	1-216-833-11	METAL CHIP	10K	5%	1/10W
R750	1-216-837-11	METAL CHIP	22K	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
R755	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R756	1-216-841-11	METAL CHIP	47K	5%	1/10W
R757	1-216-835-11	METAL CHIP	15K	5%	1/10W
R758	1-216-835-11	METAL CHIP	15K	5%	1/10W
R759	1-216-845-11	METAL CHIP	100K	5%	1/10W
R760	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R761	1-216-844-11	METAL CHIP	82K	5%	1/10W
R763	1-216-818-11	METAL CHIP	560	5%	1/10W
⚠R764	1-249-399-11	CARBON	33	5%	1/4W F
⚠R765	1-249-399-11	CARBON	33	5%	1/4W F
⚠R766	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R767	1-249-393-11	CARBON	10	5%	1/4W F
⚠R768	1-249-389-11	CARBON	4.7	5%	1/4W F

Ref. No.	Part No.	Description			Remark
R769	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R770	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠R771	1-240-855-91	CARBON	6.2K	5%	1/4W F
R772	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R773	1-216-841-11	METAL CHIP	47K	5%	1/10W
R775	1-216-843-11	METAL CHIP	68K	5%	1/10W
R778	1-216-835-11	METAL CHIP	15K	5%	1/10W
R780	1-216-833-11	METAL CHIP	10K	5%	1/10W
R790	1-216-845-11	METAL CHIP	100K	5%	1/10W
R791	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠R792	1-215-868-00	METAL OXIDE	680	5%	1W F
⚠R793	1-249-404-00	CARBON	82	5%	1/4W F
⚠R794	1-215-868-00	METAL OXIDE	680	5%	1W F
⚠R802	1-249-409-11	CARBON	220	5%	1/4W F
⚠R803	1-249-389-11	CARBON	4.7	5%	1/4W F
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W
R806	1-216-837-11	METAL CHIP	22K	5%	1/10W
R824	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠R830	1-249-404-00	CARBON	82	5%	1/4W F
R840	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R843	1-216-864-11	SHORT CHIP	0		
R844	1-216-837-11	METAL CHIP	22K	5%	1/10W
⚠R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
R3010	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3011	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3012	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3013	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3020	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3021	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3022	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R3023	1-216-841-11	METAL CHIP	47K	5%	1/10W
		< RELAY >			
RY560	1-755-267-11	RELAY			
RY601	1-755-170-11	RELAY (12V)			
RY610	1-755-170-11	RELAY (12V)			
RY701	1-755-170-11	RELAY (12V)			
RY710	1-755-170-11	RELAY (12V)			
RY791	1-755-170-11	RELAY (12V)			
RY801	1-755-593-11	RELAY			
		< TERMINAL >			
TB001	1-780-498-11	BANANA-PUSH TERMINAL BOARD (8P) (FRONT A/SURROUND)			
		< TERMINAL >			
TM602	1-537-240-11	TERMINAL BOARD (CHECKER PIN)(FRONT B)			
TM604	1-780-500-11	BANANA-PUSH TERMINAL BOARD (2P) (CENTER)			
**********					
		POWER KEY BOARD			
		**********			
		< CONNECTOR >			
* CN103	1-691-670-11	CONNECTOR, BOARD TO BOARD 5P			

POWER KEY **STANDBY** **VIDEO**

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R111	1-249-415-11	CARBON	680	5%	1/4W
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE(**I**/⏻)			
S115	1-771-410-21	SWITCH, TACTILE(SPEAKERS(OFF/A/B/A+B))			
**********					
		STANDBY BOARD			
		**********			
		< CAPACITOR >			
C913	1-127-888-11	CERAMIC	0.1uF	10%	50V
C914	1-127-888-11	CERAMIC	0.1uF	10%	50V
C915	1-126-943-11	ELECT	2200uF	20%	25V
C916	1-126-942-61	ELECT	1000uF	20%	25V
C920	1-127-888-11	CERAMIC	0.1uF	10%	50V
C921	1-127-888-11	CERAMIC	0.1uF	10%	50V
C922	1-127-888-11	CERAMIC	0.1uF	10%	50V
C924	1-126-960-11	ELECT	1uF	20%	50V
C951	1-127-888-11	CERAMIC	0.1uF	10%	50V
C952	1-126-942-61	ELECT	1000uF	20%	25V
C954	1-128-547-11	ELECT	6800uF	20%	16V
		< CONNECTOR >			
* CNP802	1-564-509-11	PLUG, CONNECTOR 6P			
* CNP804	1-564-506-11	PLUG, CONNECTOR 3P			
* CNP805	1-564-506-11	PLUG, CONNECTOR 3P			
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP903	1-564-508-11	PLUG, CONNECTOR 5P			
		< DIODE >			
D901	8-719-991-33	DIODE 1SS133T-77			
D910	8-719-043-76	DIODE AK04V0			
D911	8-719-043-76	DIODE AK04V0			
D912	8-719-043-76	DIODE AK04V0			
D913	8-719-043-76	DIODE AK04V0			
D914	8-719-991-33	DIODE 1SS133T-77			
D915	8-719-991-33	DIODE 1SS133T-77			
⚠ D920	6-500-522-11	DIODE 10EDB40-TA2B5			
⚠ D921	6-500-522-11	DIODE 10EDB40-TA2B5			
⚠ D922	6-500-522-11	DIODE 10EDB40-TA2B5			
⚠ D923	6-500-522-11	DIODE 10EDB40-TA2B5			
D924	8-719-043-76	DIODE AK04V0			
		< FUSE HOLDER >			
FH901	1-533-217-41	HOLDER, FUSE			
FH902	1-533-217-41	HOLDER, FUSE			
		< GROUND TERMINAL >			
G901	1-537-738-21	TERMINAL GROUND			
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q921	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q922	8-729-140-93	TRANSISTOR	2SB733-34		
Q923	8-729-119-79	TRANSISTOR	2SC2785-FEK		
		< RESISTOR >			
⚠ R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W
⚠ R811	1-243-634-91	FUSIBLE	0.22	5%	1/2W
R901	1-219-237-91	SOLID	3.3M	20%	1/2W
R902	1-247-871-91	CARBON	47K	5%	1/4W
R903	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠ R904	1-249-381-11	CARBON	1	5%	1/4W F
R920	1-249-421-11	CARBON	2.2K	5%	1/4W
R921	1-247-871-91	CARBON	47K	5%	1/4W
R922	1-247-863-91	CARBON	22K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
		< RELAY >			
⚠ RY901	1-755-541-11	RELAY			
		< TRANSFORMER >			
⚠ T903	1-437-312-11	TRANSFORMER, POWER			
**********					
		VIDEO BOARD			
		**********			
		< CAPACITOR >			
C206	1-126-964-11	ELECT	10uF	20%	50V
C207	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-126-964-11	ELECT	10uF	20%	50V
C210	1-126-947-11	ELECT	47uF	20%	35V
C213	1-126-947-11	ELECT	47uF	20%	35V
C214	1-127-888-11	CERAMIC	0.1uF	10%	50V
C215	1-127-888-11	CERAMIC	0.1uF	10%	50V
C220	1-126-947-11	ELECT	47uF	20%	35V
C221	1-126-947-11	ELECT	47uF	20%	35V
C223	1-135-799-11	CERAMIC	0.47uF		50V
C224	1-135-799-11	CERAMIC	0.47uF		50V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-126-964-11	ELECT	10uF	20%	50V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-964-11	ELECT	10uF	20%	50V
C313	1-126-964-11	ELECT	10uF	20%	50V
C314	1-126-964-11	ELECT	10uF	20%	50V
C315	1-126-964-11	ELECT	10uF	20%	50V
C316	1-126-964-11	ELECT	10uF	20%	50V
C330	1-127-888-11	CERAMIC	0.1uF	10%	50V
C331	1-127-888-11	CERAMIC	0.1uF	10%	50V
C337	1-126-947-11	ELECT	47uF	20%	35V
C338	1-126-947-11	ELECT	47uF	20%	35V
C341	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CNP203	1-564-507-11	PLUG, CONNECTOR 4P			

VIDEO **VIDEO3**

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
CNS206	1-568-826-11	CONNECTOR, FFC 7P			
		< DIODE >			
D203	8-719-991-33	DIODE 1SS133T-77			
D204	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC203	6-701-890-01	IC NJM2595D			
IC304	6-707-363-01	IC NJM2586AL			
⚠IC804	8-759-245-79	IC TA79005S			
⚠IC807	8-759-231-53	IC TA7805S			
		< JACK >			
J200	1-794-978-11	JACK, PIN 3P(DVD,VIDEO 1,SAT)			
J201	1-815-043-11	JACK, PIN 2P(VIDEO 1,MONITOR)			
J301	1-816-592-11	JACK, PIN 9P(COMPONENT VIDEO)			
J302	1-815-360-11	JACK, PIN 3P(MONITOR OUT)			
		< RESISTOR >			
R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	1-247-804-11	CARBON	75	5%	1/4W
R219	1-247-804-11	CARBON	75	5%	1/4W
R220	1-247-804-11	CARBON	75	5%	1/4W
R221	1-247-804-11	CARBON	75	5%	1/4W
R301	1-247-804-11	CARBON	75	5%	1/4W
R302	1-247-804-11	CARBON	75	5%	1/4W
R303	1-247-804-11	CARBON	75	5%	1/4W
R304	1-247-804-11	CARBON	75	5%	1/4W
R305	1-247-804-11	CARBON	75	5%	1/4W
R306	1-247-804-11	CARBON	75	5%	1/4W
R307	1-247-804-11	CARBON	75	5%	1/4W
R308	1-247-804-11	CARBON	75	5%	1/4W
R309	1-247-804-11	CARBON	75	5%	1/4W
R310	1-247-804-11	CARBON	75	5%	1/4W
R311	1-247-804-11	CARBON	75	5%	1/4W
R312	1-247-804-11	CARBON	75	5%	1/4W
**********					
		VIDEO3 BOARD **********			
		< CAPACITOR >			
C293	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C294	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C298	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C299	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		< CONNECTOR >			
CN201	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
* CN202	1-690-880-31	LEAD (WITH CONNECTOR)			
		< JACK >			
J298	1-819-187-11	PIN JACK 3P (VIDEO3 IN / PORTABLE AV IN)			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R298	1-216-821-11	METAL CHIP	1K	5%	1/10W
R299	1-216-821-11	METAL CHIP	1K	5%	1/10W
**********					
		MISCELLANEOUS **********			
8	1-828-994-11	WIRE (FLAT TYPE) (17 CORE)			
⚠57	1-783-820-11	CORD, POWER			
59	1-828-946-11	WIRE (FLAT TYPE) (7 CORE)			
60	1-828-953-11	WIRE (FLAT TYPE) (9 CORE)			
63	1-828-560-11	WIRE (FLAT TYPE) (7 CORE)			
⚠F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5)(5A/125V)			
⚠F4001	1-532-465-33	FUSE (T3.15AL/250V)			
⚠F4002	1-532-465-33	FUSE (T3.15AL/250V)			
⚠Q503	6-702-390-01	IC MN2488-OPY-MK			
⚠Q504	6-702-391-01	IC MP1620-OPY-MK			
⚠Q603	6-702-390-01	IC MN2488-OPY-MK			
⚠Q604	6-702-391-01	IC MP1620-OPY-MK			
⚠Q653	6-702-390-01	IC MN2488-OPY-MK			
⚠Q654	6-702-391-01	IC MP1620-OPY-MK			
⚠Q703	6-702-390-01	IC MN2488-OPY-MK			
⚠Q704	6-702-391-01	IC MP1620-OPY-MK			
⚠Q753	6-702-390-01	IC MN2488-OPY-MK			
⚠Q754	6-702-391-01	IC MP1620-OPY-MK			
⚠T901	1-443-524-11	POWER TRANSFORMER			
TN1	1-693-728-11	TUNER (FM/AM)			

MEMO

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
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Ver.	Date	Description of Revision
1.0	2007.05	New