

STR-DA3100ES

SERVICE MANUAL

Ver. 1.3 2005.10

US Model
Canadian Model



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

* Manufactured under license from Dolby Laboratories.

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**“DTS”, “DTS-ES”, “Neo:6” and “DTS 96/24” are trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION: (Models of area code US only)

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 120 watts per channel minimum RMS power, with no more than 0.05% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

POWER OUTPUT

Rated Power Output at Stereo Mode¹⁾
(8 ohms 20 Hz – 20 kHz, THD 0.05%)

120 W + 120 W

(4 ohms 20 Hz – 20 kHz, THD 0.09%)

100 W + 100 W

Reference Power Output¹⁾

(8 ohms 20 Hz – 20 kHz, THD 0.05%)

FRONT²⁾: 120 W + 120 W

CENTER²⁾: 120 W

SURR²⁾: 120 W + 120 W

SURR BACK²⁾: 120 W + 120 W

(4 ohms 20 Hz – 20 kHz, THD 0.09%)

FRONT²⁾: 100 W + 100 W

CENTER²⁾: 100 W

SURR²⁾: 100 W + 100 W

SURR BACK²⁾: 100 W + 100 W

1) Measured under the following conditions:
120 V AC, 60 Hz

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

Frequency response

PHONO	RIAA equalization curve ±0.5 dB
MULTI CH IN, SA-CD/CD, TAPE, MD/DAT, DVD, TV/SAT, VIDEO 1, 2, 3	10 Hz – 100 kHz +0.5/ -2 dB (When MULTI CH IN DIRECT and ANALOG DIRECT is activated)

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 k Ohms S/N ³⁾ : 86 dB (A, 2.5 mV ⁴⁾)
MULTI CH IN, SA-CD/CD, TAPE, MD/DAT, DVD, TV/SAT, VIDEO 1, 2, 3	Sensitivity: 150 mV Impedance: 50 k Ohms S/N ³⁾ : 100 dB (A, 150 mV ⁴⁾)

- 3) INPUT SHORT.
4) Weighted network, input level.

Inputs (Digital)

SA-CD/CD, DVD (Coaxial)	Impedance: 75 Ohms S/N: 100 dB (A, 20 kHz LPF)
SA-CD/CD, DVD, TV/SAT, MD/DAT, VIDEO3 (Optical)	S/N: 100 dB (A, 20 kHz LPF)

Outputs

TAPE, MD/DAT (REC OUT), VIDEO 1, 2 (AUDIO OUT)	Voltage: 150 mV Impedance: 10 k Ohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK (L/R), SUB WOOFER	Voltage: 2 V Impedance: 1 k Ohms

EQUALIZER

Gain levels	±10 dB, 1 dB step
-------------	-------------------

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Sensitivity	
Mono:	18.3 dBf, 2.2 µV/75 ohms
Stereo:	38.3 dBf, 22.5 µV/75 ohms
Useable sensitivity	11.2 dBf, 1 µV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/-2 dB
Selectivity	60 dB at 400 kHz

– Continued on next page –

FM STEREO FM/AM RECEIVER

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2005J05-1
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Sony Corporation
Audio Group
Published by Sony Engineering Corporation

SONY®

STR-DA3100ES

AM tuner section

Tuning range	530 – 1,710 kHz ⁵⁾ (With 10-kHz tuning scale) 531 – 1,710 kHz ⁵⁾ (With 9-kHz tuning scale)
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	
At 9 kHz:	35 dB
At 10 kHz:	40 dB

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

Video section

Inputs/Outputs	
Video:	1 Vp-p, 75 ohms
S-video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms P _B /C _B /B-Y: 0.7 Vp-p, 75 ohms P _R /C _R /R-Y: 0.7 Vp-p, 75 ohms 80 MHz HD Pass Through

General

Power requirements	120 V AC, 60 Hz
--------------------	-----------------

Power consumption

Area code	Power consumption
US	450 W
Canadian	490 VA

Power consumption (during standby mode)	1 W
AC outlets	2 switched, 120 W/1A MAX
Dimensions	430 × 175 × 470 mm including projecting parts and controls
Mass (Approx.)	21.0 kg

Supplied accessories

- FM wire antenna (1)
- AM loop antenna (1)
- AC power cord (1)
- Remote commander RM-AAE001 (1)
- Remote commander RM-US106A (1)
- R6 (size-AA) batteries (4)

Design and specifications are subject to change without notice.

Notes on chip component replacement

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

SAFETY 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.

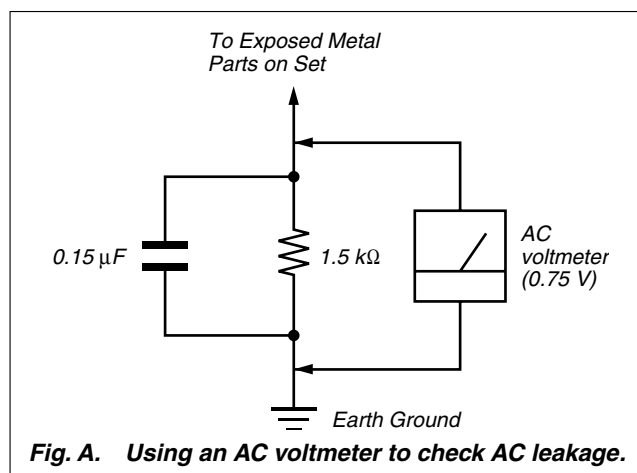
Check leakage as described below.

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)

**SAFETY-RELATED COMPONENT WARNING!!**

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

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SECTION 1

SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –



Model	PART No.
US model	2-514-839-0□
Canadian model	2-514-839-1□

UNLEADED SOLDER

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

LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

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

ERROR MESSAGES

If there is a malfunction, the display shows a code of two numbers and a message. You can check the condition of the system by message. Refer to the following table to solve the problem.

messages	check code	cause and response
DECODE ERROR	01	Appears when the signal which the receiver can not decode (example DTS-CD) is input when "DEC. PRIORITY" in the CUSTOM IZE menu is set to "PCM". Set to "AUTO".
PROTECTOR	11	Irregular current output from the speakers. The receiver will automatically turn off after a few seconds. Check the speaker connection and turn on the set again. If this problem persists, power transistors might be broken.

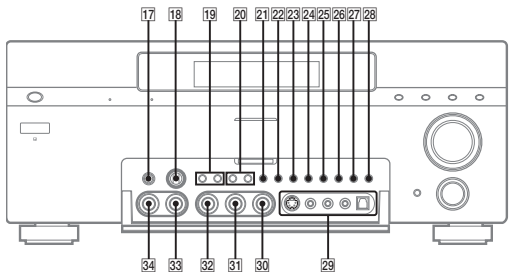
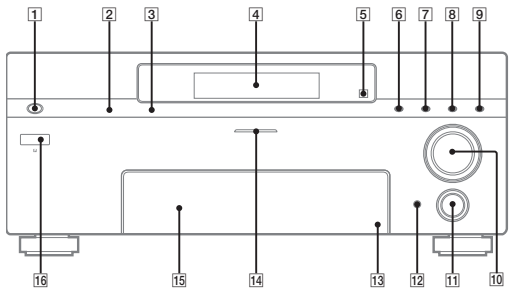
SECTION 2
GENERAL

This section is extracted from instruction manual.

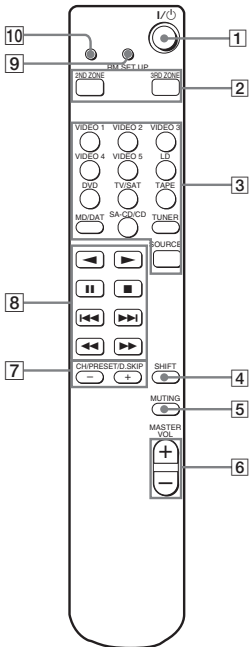
Main unit

- ALPHABETICAL ORDER
- A.F.D. 7
- BASS 34
- DECODE PRIORITY 26
- Digital Cinema Sound indicator 5
- DIMMER indicator 3
- DIRECT 26
- DIRECT indicator 2
- DISPLAY 24
- Display 4
- ESCUTCHEON LID 16
- FM/AM 21
- INPUT MODE 12
- INPUT SELECTOR 11
- IR receptor 16
- MAIN MENU 32
- MASTER VOLUME 10
- MEMORY/ENTER 22
- MENU 31
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- MUSIC 9
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- SPEAKERS switch 18
- SURR BACK DECODING 28
- TREBLE 33
- TUNING +/- 20
- USER PRESET 23
- VIDEO 3 INPUT jacks 29

- NUMBERS AND SYMBOLS
- 2CH 6
- I/⏻ (power) 1
- +/- 30
- ▼ OPEN 13



Remote button
description



The tables below show the settings of each button.

Remote Button	Operations	Function
CH/	Receiver	Selects preset stations.
PRESET/ D.SKIP	TV/VCR/ Satellite tuner	Selects preset channels.
+/- 7	CD player/ VCD player/ DVD player/ MD deck	Skips discs (multi-disc changer only).
DVD 3	Receiver	To select DVD.
LD* 3	Receiver	To select LD.
MASTER VOL +/- 6	Receiver	Adjust the volume level of 2ND ZONE or 3RD ZONE output.
MD/DAT 3	Receiver	To listen to minidisc or DAT deck.
MUTING 5	Receiver	To mute the sound.
RM SET UP 9	TV/VCR/ Satellite tuner/ CD player/ VCD player/ DVD player/ MD deck/ DAT deck	To change the category of buttons.
RM SET UP indicator 10	TV/VCR/ Satellite tuner/ CD player/ VCD player/ DVD player/ MD deck/ DAT deck	Lights up when RM SET UP button in use.
SA-CD/CD 3	Receiver	To listen to Super Audio CD or compact disc.
SHIFT 4	Tuner	To select a memory page for presetting radio stations or tuning to preset stations.
SOURCE 3	Receiver	The current input selected for the main receiver.
TAPE 3	Receiver	To listen to audio tape.
TUNER 3	Receiver	To listen to radio programs.
VIDEO 1 3	Receiver	To select VCR. (VTR mode 3)
VIDEO 2 3	Receiver	To select VCR. (VTR mode 1)
VIDEO 3 3	Receiver	To select VCR. (VTR mode 2)

Remote Button	Operations	Function
VIDEO 4* 3	Receiver	To select VCR. (VTR mode 4)
VIDEO 5* 3	Receiver	To select VCR. (VTR mode 5)
2ND ZONE 2	Receiver	To select the command mode of the remote.
3RD ZONE 2	Receiver	To select the command mode of the remote.
I/⏻ 1	Receiver	To turn the receiver in the 2ND ZONE and 3RD ZONE on or off.
◀/▶ 8	CD player/ VCD player/ DVD player/ LD player/ MD deck	Searches tracks in the forward or backward direction.
VCR/ DAT deck/ Tape deck		Fastforwards or rewinds.
⏮/⏭ 8	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Skips tracks.
▶/▶ 8	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Starts playback.
⏸ 8	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Pauses playback or recording. (Also starts recording with components in recording standby.)
■ 8	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Stops playback.

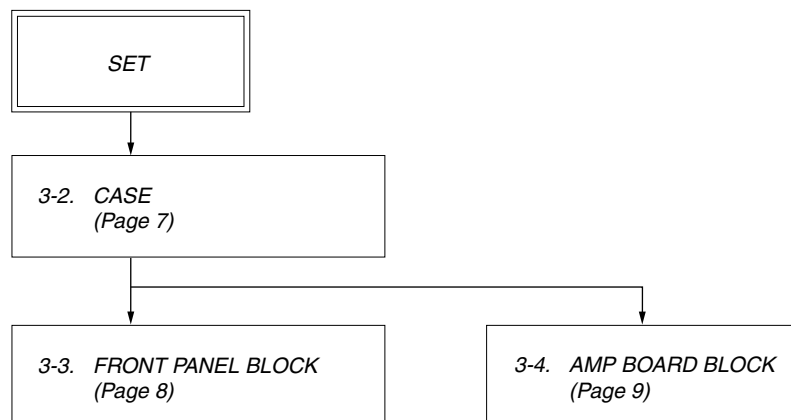
* The button is not available.

- 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.

SECTION 3 DISASSEMBLY

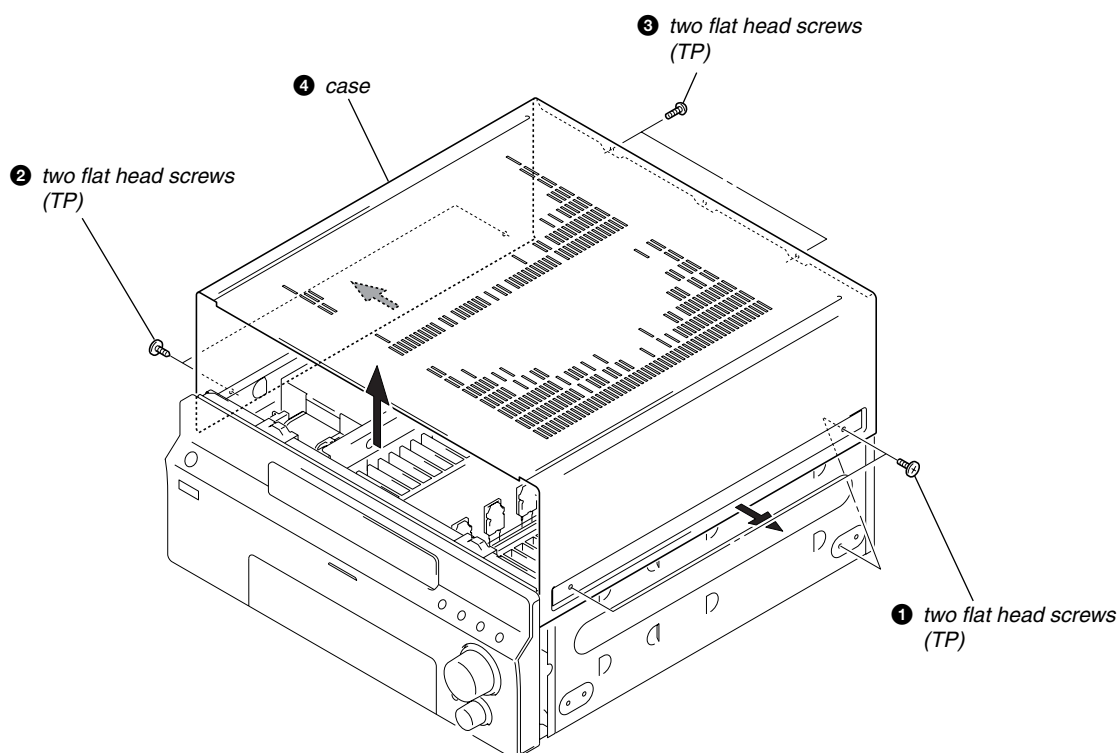
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

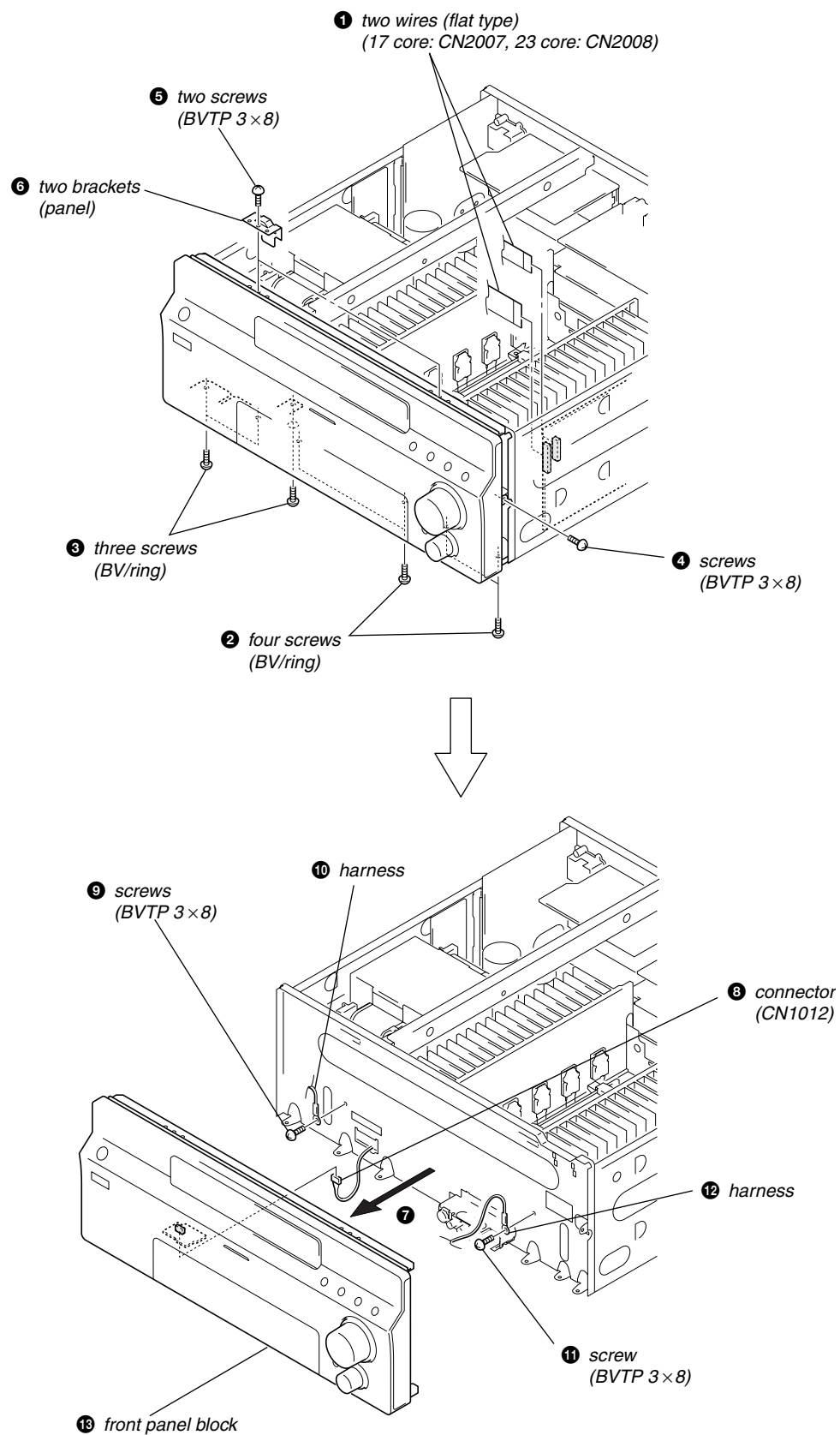


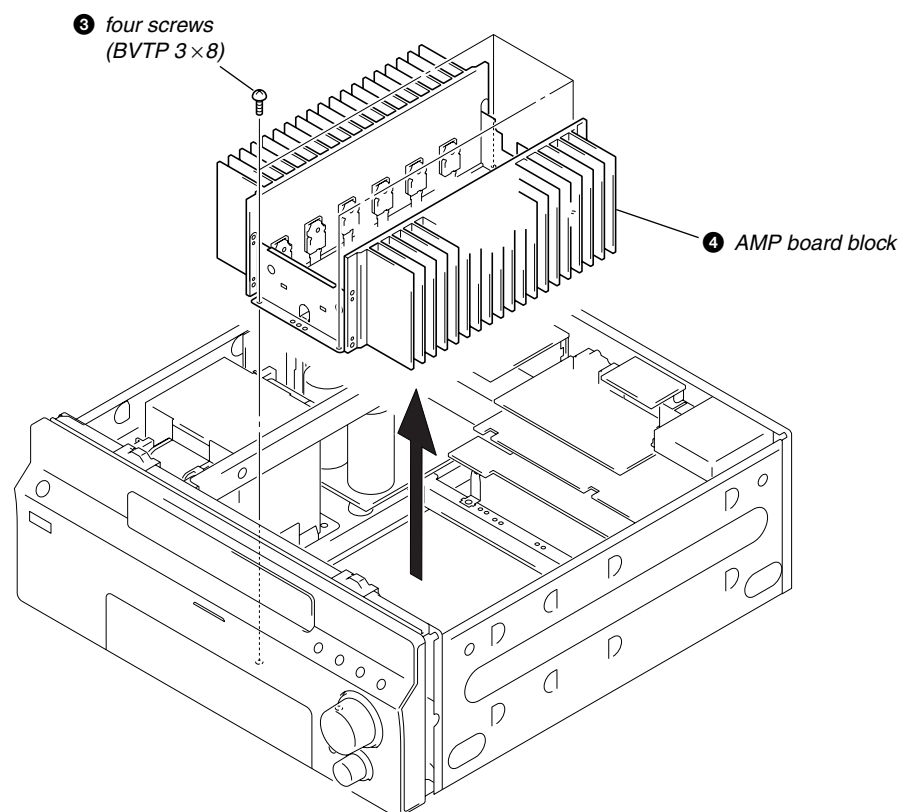
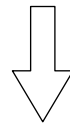
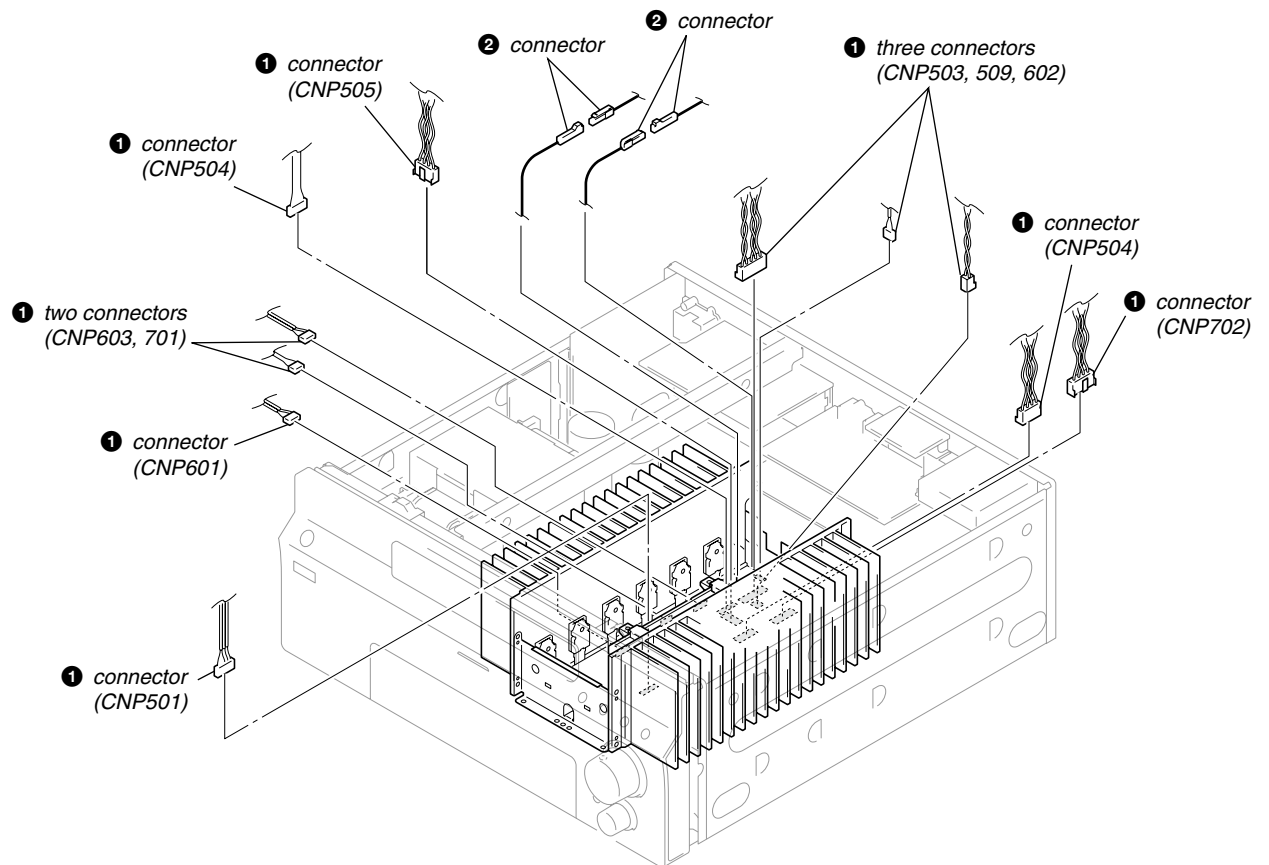
Note: Follow the disassembly procedure in the numerical order given.

3-2. CASE



3-3. FRONT PANEL BLOCK



3-4. AMP BOARD BLOCK

SECTION 4

TEST MODE

TUNER FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the **[SURR BACK DECODING]** and **[PRE-SET TUNING -]** buttons, press the **[I/⏻]** button to turn on the main power.
2. The message “TUNER FACTORY PRESET” appears and the present contents are reset to the default values.

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 pressing the **[MUSIC]** button, press the **[I/⏻]** button to turn on the main power.
2. The message “S. F. Initialize” appears and initialization is performed.

ALL CLEAR MODE

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

Procedure:

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

SWAP MODE

Procedure:

1. While pressing the **[2CH]** and **[MEMORY/ENTER]** buttons, press the **[I/⏻]** button to turn on the main power.
2. Press the **[DISPLAY]** button.
3. The message “-00dB” appears. (Volume level is “MIN”)
4. Press the **[DISPLAY]** button once again.
5. The message “-34.5dB” appears. (Volume level is “MID”)
6. Press the **[DISPLAY]** button once again.
7. The message “+23dB” appears. (Volume level is “MAX”)

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

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

Procedure:

1. While pressing the **[DISPLAY]** and **[MEMORY/ENTER]** buttons, press the **[I/⏻]** button to turn on the main power.
2. All segments and **[MULTI CHANNEL DECODING]** indicator LED turn on.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the **[INPUT MODE]** button, press the **[I/⏻]** button to turn on the main power.
2. Either the message “COMMAND MODE [AV1]” or “COMMAND MODE [AV2]” appears. Select the desired mode.

SF LOCK ON/OFF CHANGE MODE

Procedure:

1. While pressing the **[MUSIC]** and **[MEMORY/ENTER]** buttons, press the **[I/⏻]** button to turn on the main power.
2. Either the message “SF LOCK [OFF]” or “SF LOCK [ON]” appears.

HISTORY MODE

The state that the set is used is memorized.

Procedure:

1. While pressing the **[A.F.D]** and **[MEMORY/ENTER]** buttons, press the **[I/⏻]** button to turn on the main power.
2. Each time the cursor key is pressed down at remote commander RM-AAE001, the item is switched in order as follows.

Items	Display
Number of protector is generated	PRCT COUNT: xxx
Use time from $-\infty$ dB to -40 dB	$-\infty$ _ _ 16dB: xxxxH xxM
Use time from -39.5 dB to -20 dB	-15 _ _ +3dB: xxxxH xxM
Use time from -19.5 dB to -10 dB	+4 _ _ +13dB: xxxxH xxM
Use time from -9.5 dB to -0 dB	+14 _ _ +23B: xxxxH xxM
Total time	TTL_TIME: xxxxH xxM
Sound field	xxxxxxxxxxxxxxxx
Input selector	INPUT: xxxxxxxxxxx
Input mode	INMODE:xxxxxxxxxxx
Input under lock	DSEL:xxxxxxxxxxxxxxxx
Stream under input	STREAM: xxxxxxx
Channel information	CONFIG: xxxxxxx
State of speaker switch	SP SW: xxxxxxx
State of headphone	HEAD PHONE: xxx
Volume	VOL: xxx dB
EQ setting value	BASS: xxx dB
	TREB: xxx dB
Level collection value of each channel	Lv FL/FR xxxx/xxxx
	Lv SL/SR xxxx/xxxx
	Lv CT/SW xxxx/xxxx
	Lv BL/BR xxxx/xxxx
Total power on time	TTL_P_ON: xxxxH xxM

SECTION 5

ELECTRICAL ADJUSTMENTS

BIAS ALIGNMENT ADJUSTMENT

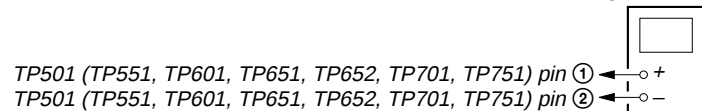
Condition:

function: MULTI CH

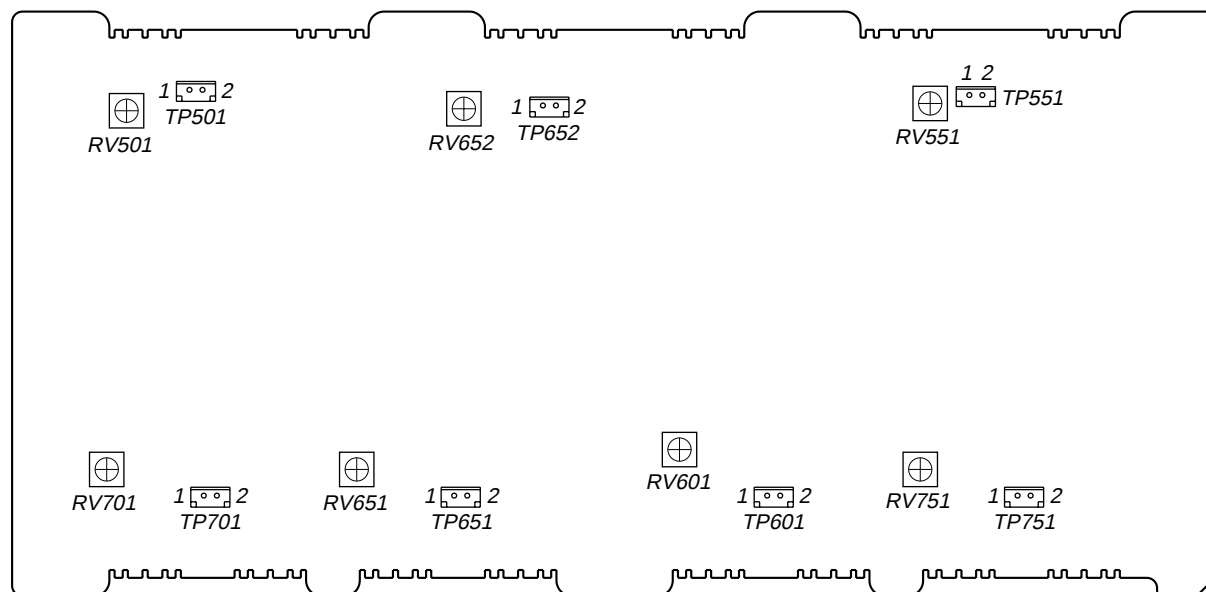
input signal: no signal (no load)

volume: 0 dB

Note: After 10 minutes or more have passed since the power supply was turned on, this adjustment is done.

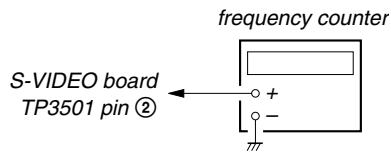
Connection
digital voltmeter

Procedure:

1. Connect a digital voltmeter to the TP501 (TP551, TP601, TP651, TP652, TP701, TP751) on the AMP board.
2. Press the  button to turn on the main power.
3. Adjust the RV501 (RV551, RV601, RV651, RV652, RV701, RV751) so that the digital voltmeter reading is 4.0 ± 0.5 mV.

Adjustment and Connection Location:
- AMP Board (Component Side) -


OSD ADJUSTMENT

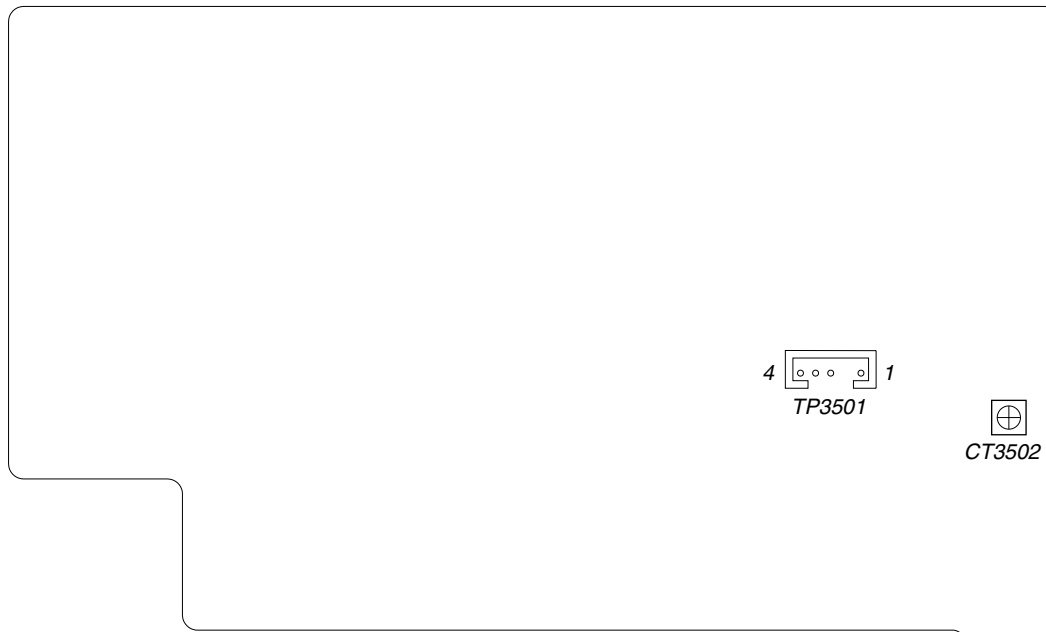
Connection



1. Short the TP3501 pin ④ on the S-VIDEO board to the GND.
2. Connect a frequency counter to the TP3501 pin ② on the S-VIDEO board.
3. Press the  button to turn on the main power.
4. Press the  button on the remote commander.
5. Turn the  dial to display "CUSTOMIZE".
6. Turn the  dial to display "COLOR SYSTEM".
7. Turn the  dial to display "NTSC".
8. Adjust the CT3502 on the S-VIDEO board so that the frequency counter reading is 3.579545 ± 0.05 MHz.

Adjustment and Connection Location:

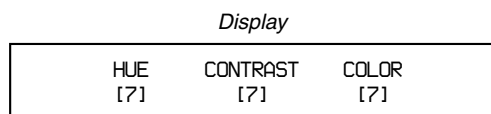
– S-VIDEO Board (Component Side) –



UP CONVERT SIGNAL LEVEL ADJUSTMENT

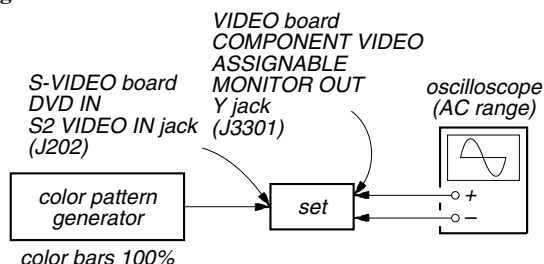
Enter the test mode

1. In the standby status, press the **[I/O]** button while pressing the **[INPUT MODE]** and **[DISPLAY]** buttons.
2. It enters the test mode, and display as below figure.



1. Y Level Adjustment

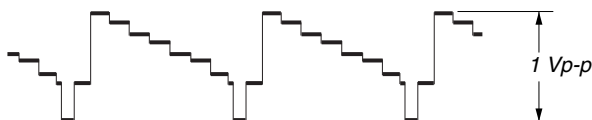
Setting:



Procedure:

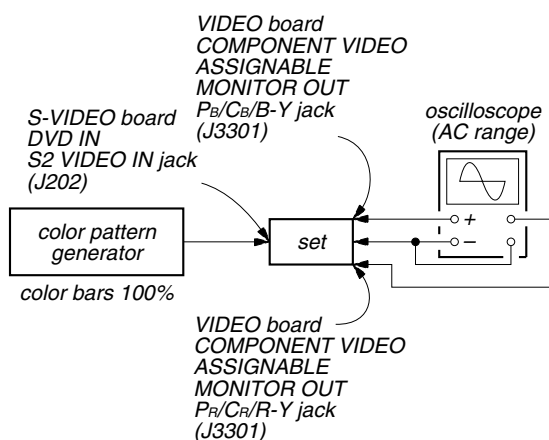
1. Connect a color pattern generator to the DVD IN S2 VIDEO IN jack (J202) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO ASSIGNABLE MONITOR OUT Y jack (J3301) on the VIDEO board.
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the **[MENU]** dial so that the Vp-p value of waveform becomes 1 Vp-p.

Y waveform:



2. Color Level Adjustment

Setting:



Procedure:

1. Connect a color pattern generator to the DVD IN S2 VIDEO IN jack (J202) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO ASSIGNABLE MONITOR OUT Pb/Cb/B-Y jack and COMPONENT VIDEO ASSIGNABLE MONITOR OUT Pr/Cr/R-Y jack (J3301) on the VIDEO board.

2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Display two waveforms of C_B and C_R simultaneously.
5. Adjust the **[+/-]** dial so that the Vp-p value of waveforms of C_B and C_R both may be most set to 0.7V closely.

C_B waveform:

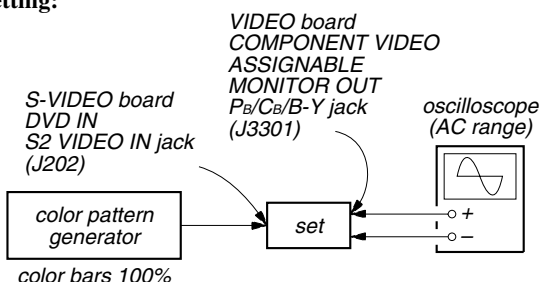


C_R waveform:



3. HUE Level Adjustment

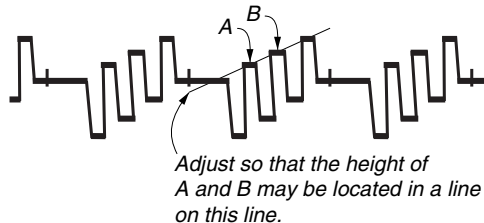
Setting:



Procedure:

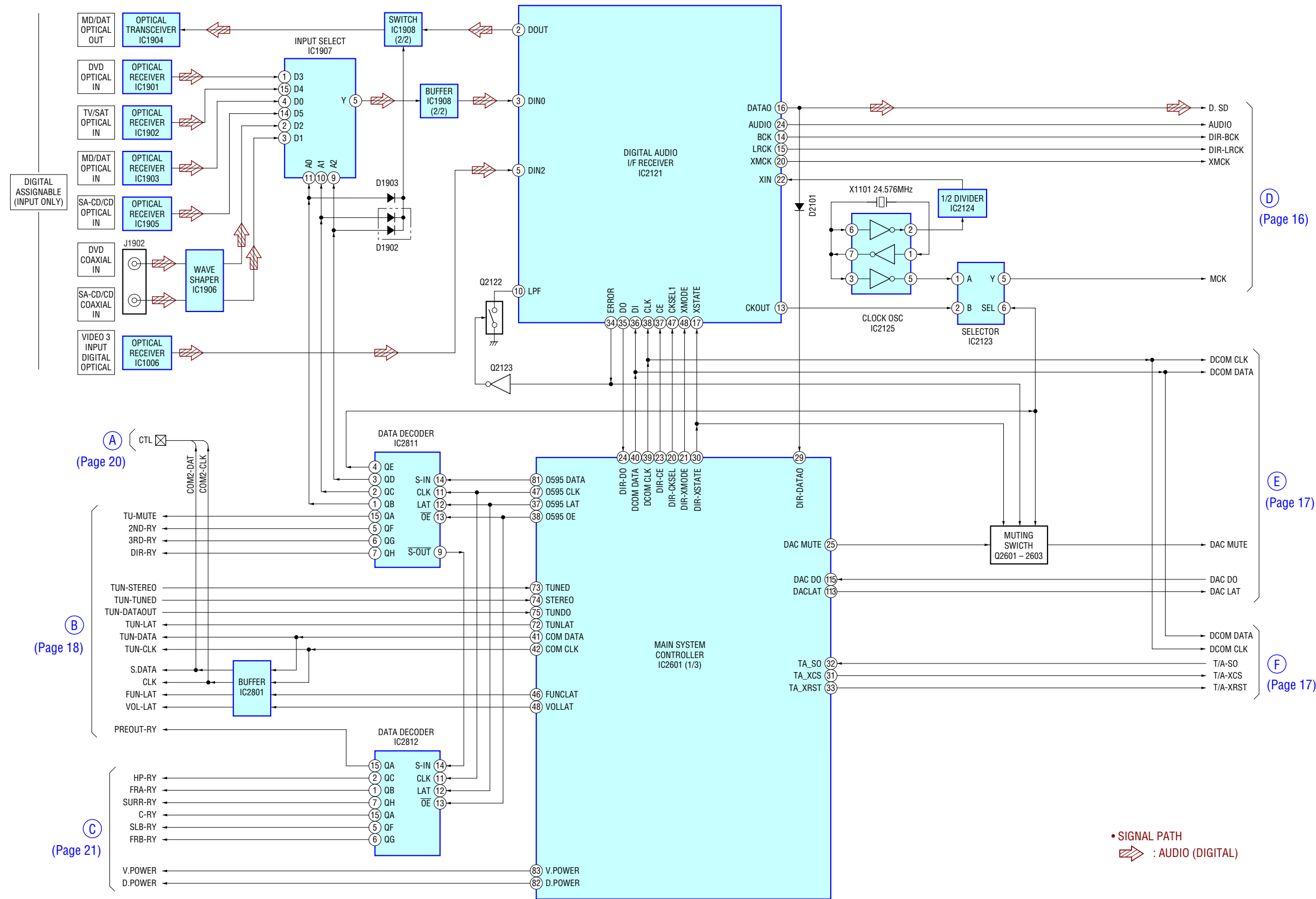
1. Connect a color pattern generator to the DVD IN S2 VIDEO IN jack (J202) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO ASSIGNABLE MONITOR OUT Pb/Cb/B-Y jack (J3301) on the VIDEO board ..
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the **[MAIN MENU]** dial so that the waveform as bellow.

C_B waveform:

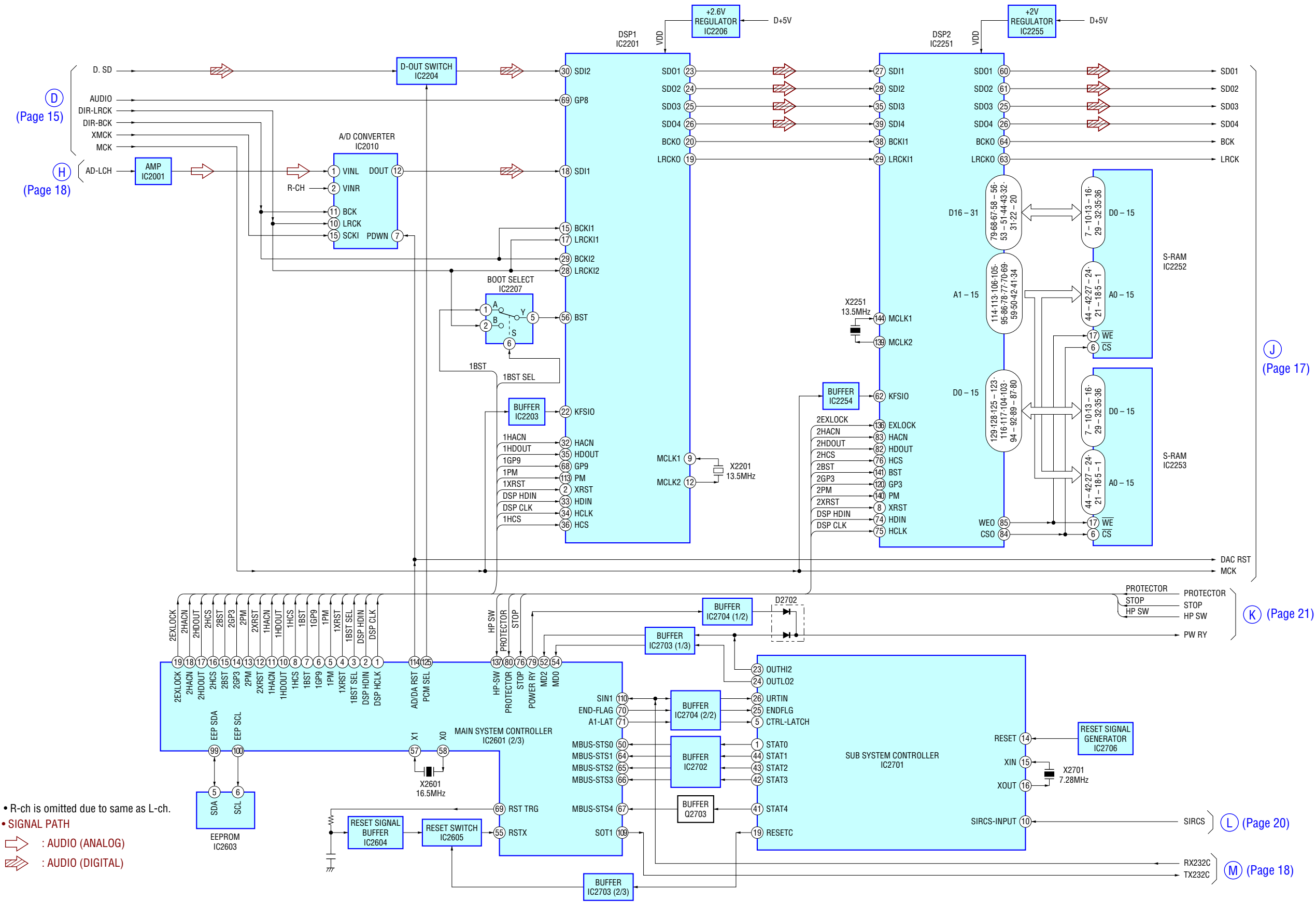


SECTION 6
DIAGRAMS

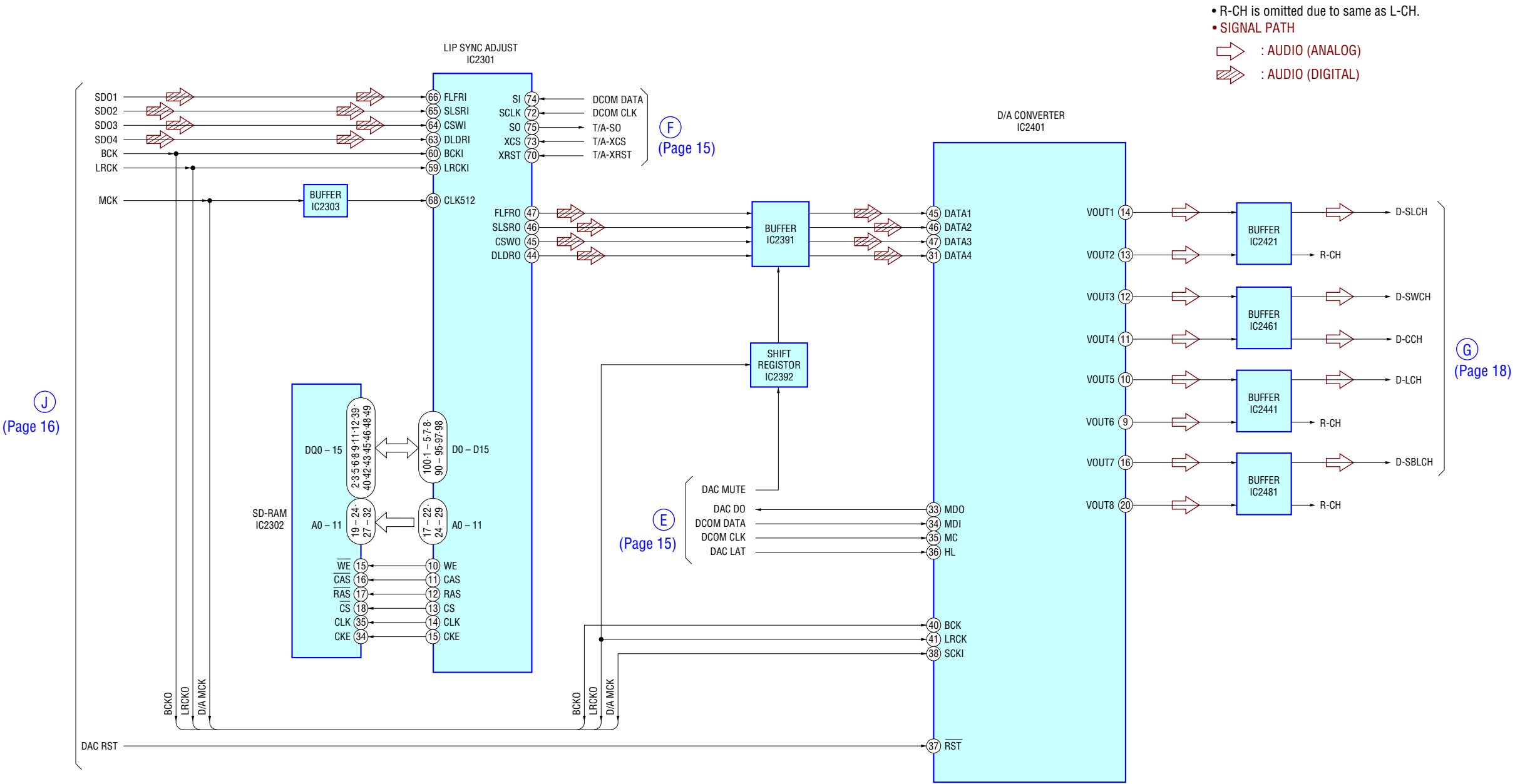
6-1. BLOCK DIAGRAM – DIGITAL INPUT SECTION –



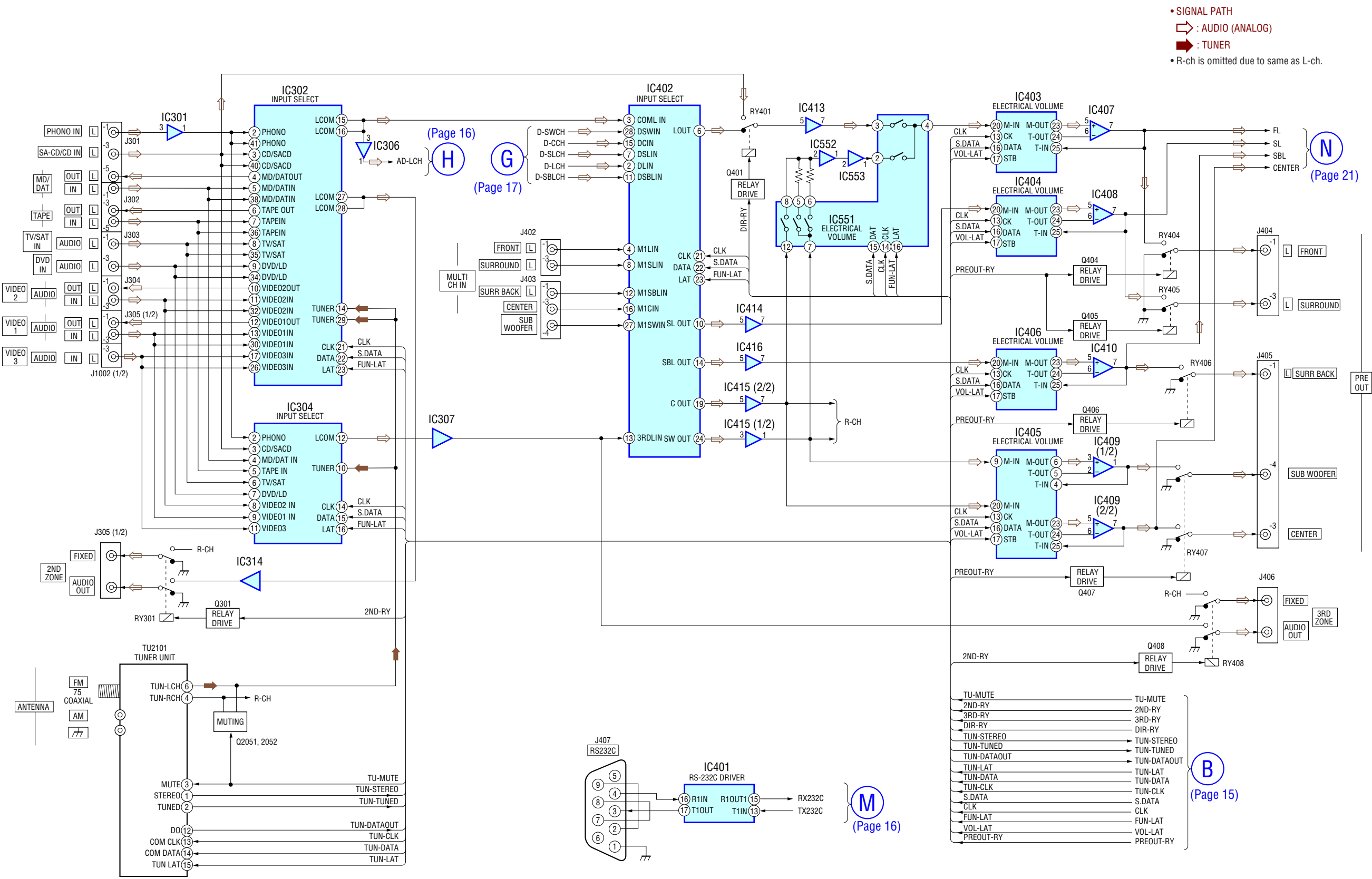
6-2. BLOCK DIAGRAM – DSP SECTION –



6-3. BLOCK DIAGRAM – D/A CONVERTER SECTION –



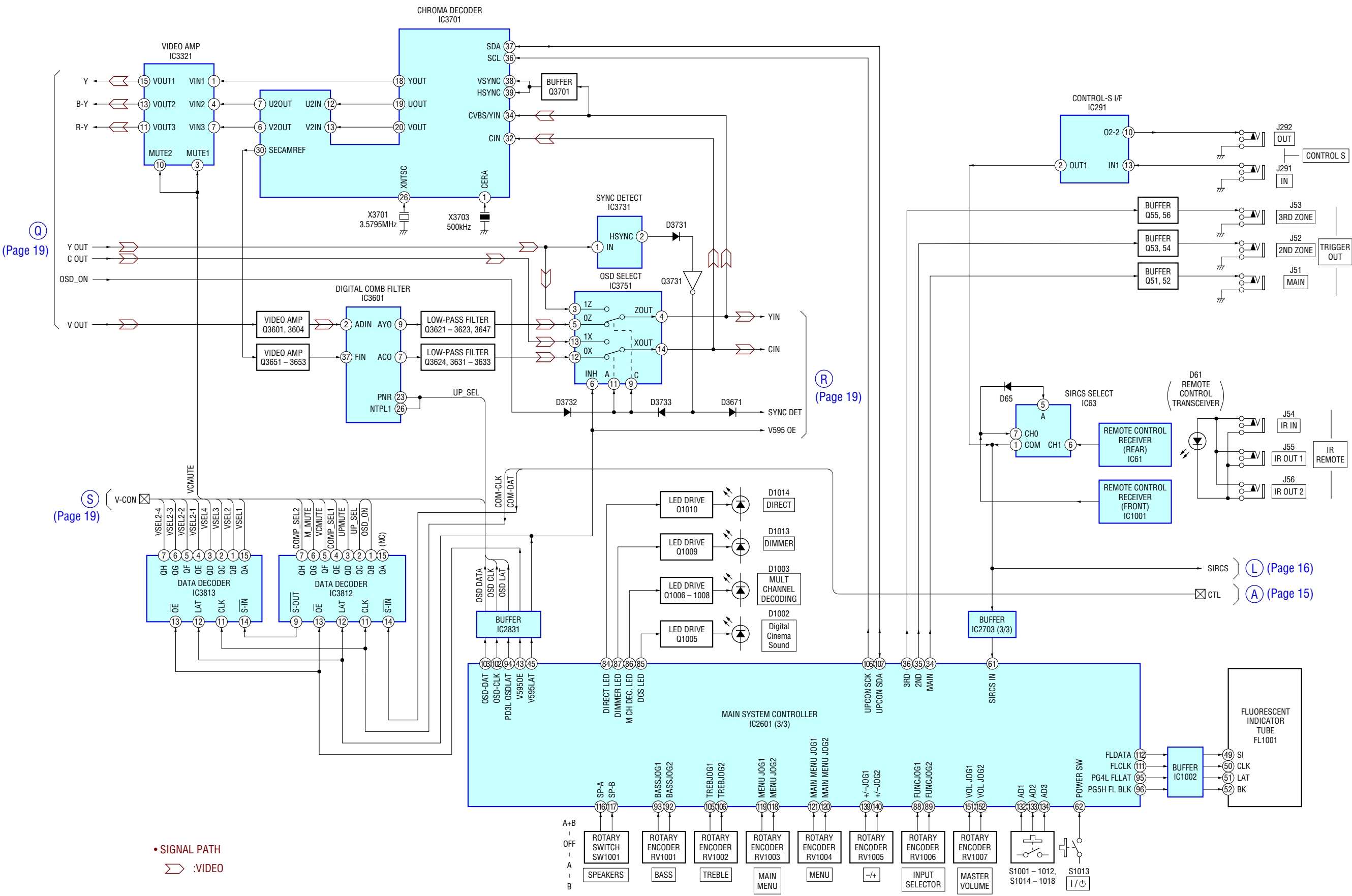
6-4. BLOCK DIAGRAM – ANALOG AUDIO SECTION –



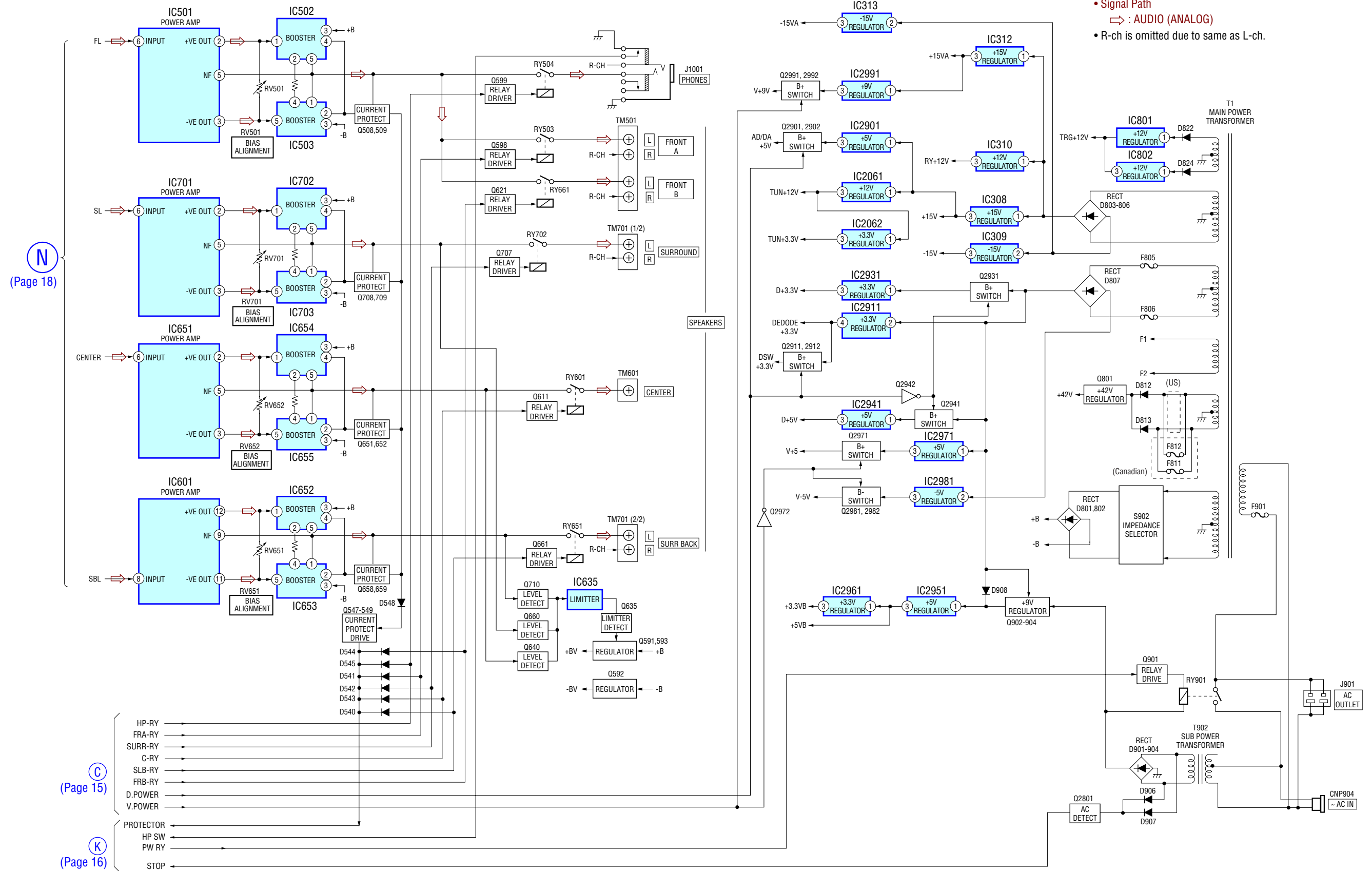
19



6-6. BLOCK DIAGRAM – CIS, DISPLAY SECTION –



6-7. BLOCK DIAGRAM – POWER AMP, POWER SUPPLY SECTION –



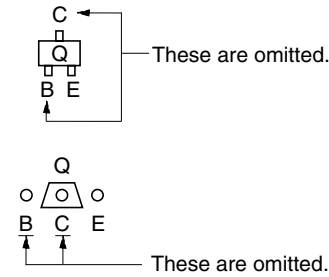
• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

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

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

- DIGITAL board is multi-layer printed board. However, the patterns of Intermedia layers have not been included in this diagrams.
- Indication of transistor



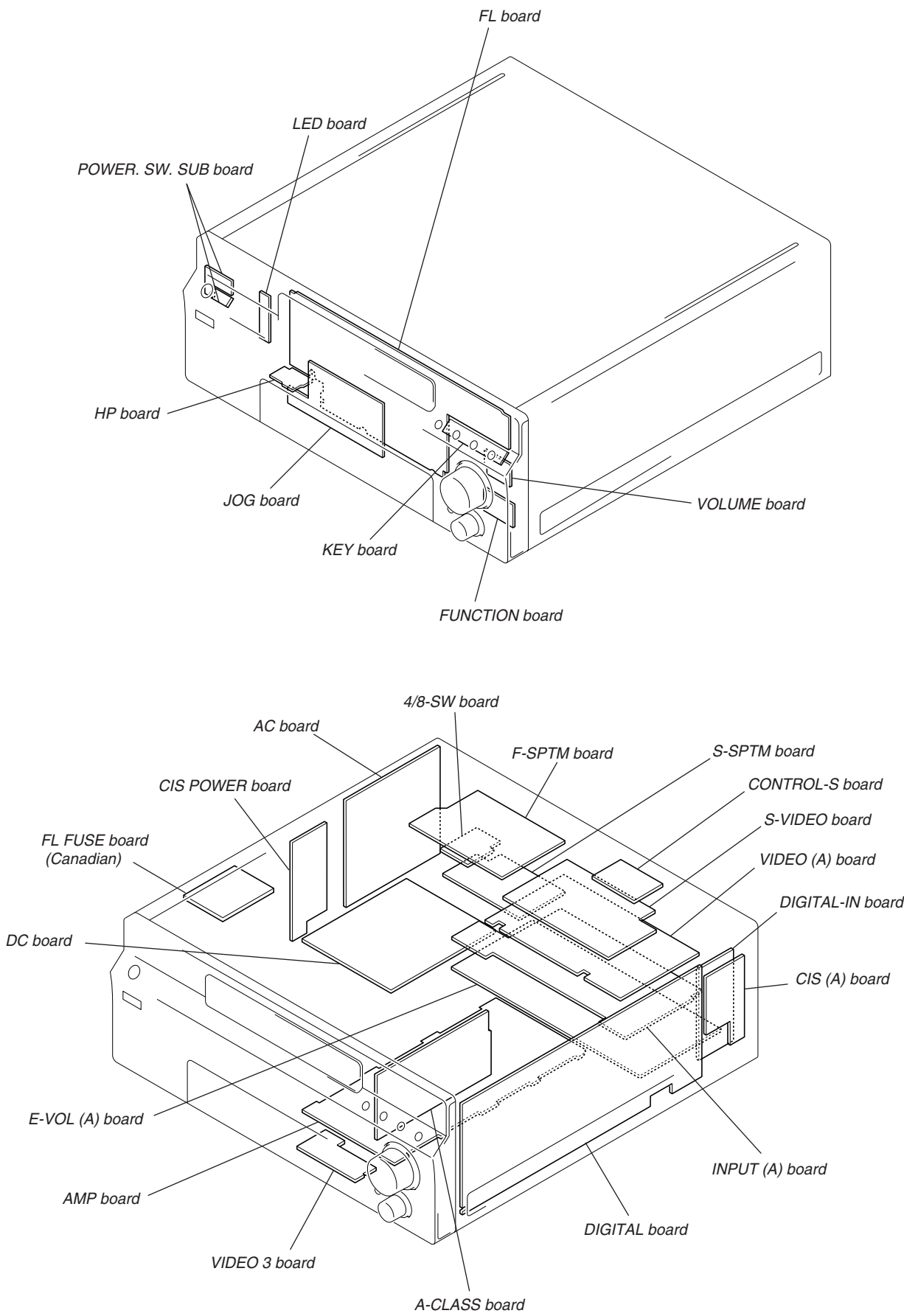
Note on Schematic Diagram:

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

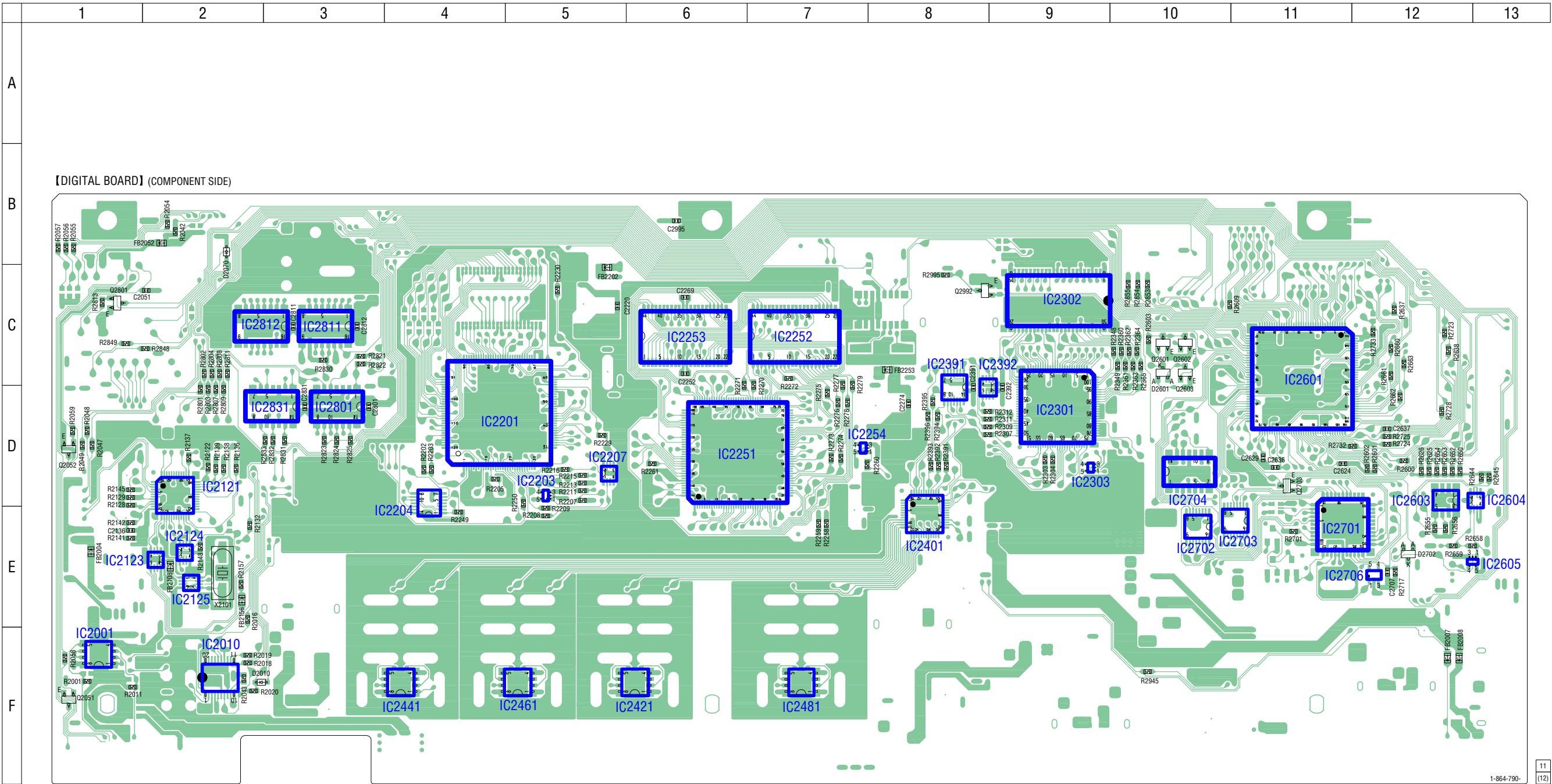
Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Note: Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
---	---

- : B+ Line.
- : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - VIDEO, S-VIDEO boards —
no mark : VIDEO 1 mode
 - Other boards —
no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - ➡ : TUNER
 - ➡ : AUDIO (ANALOG)
 - ➡ : AUDIO (DIGITAL)
 - ➡ : VIDEO
- Abbreviation
CND : Canadian model

• Circuit Boards Location



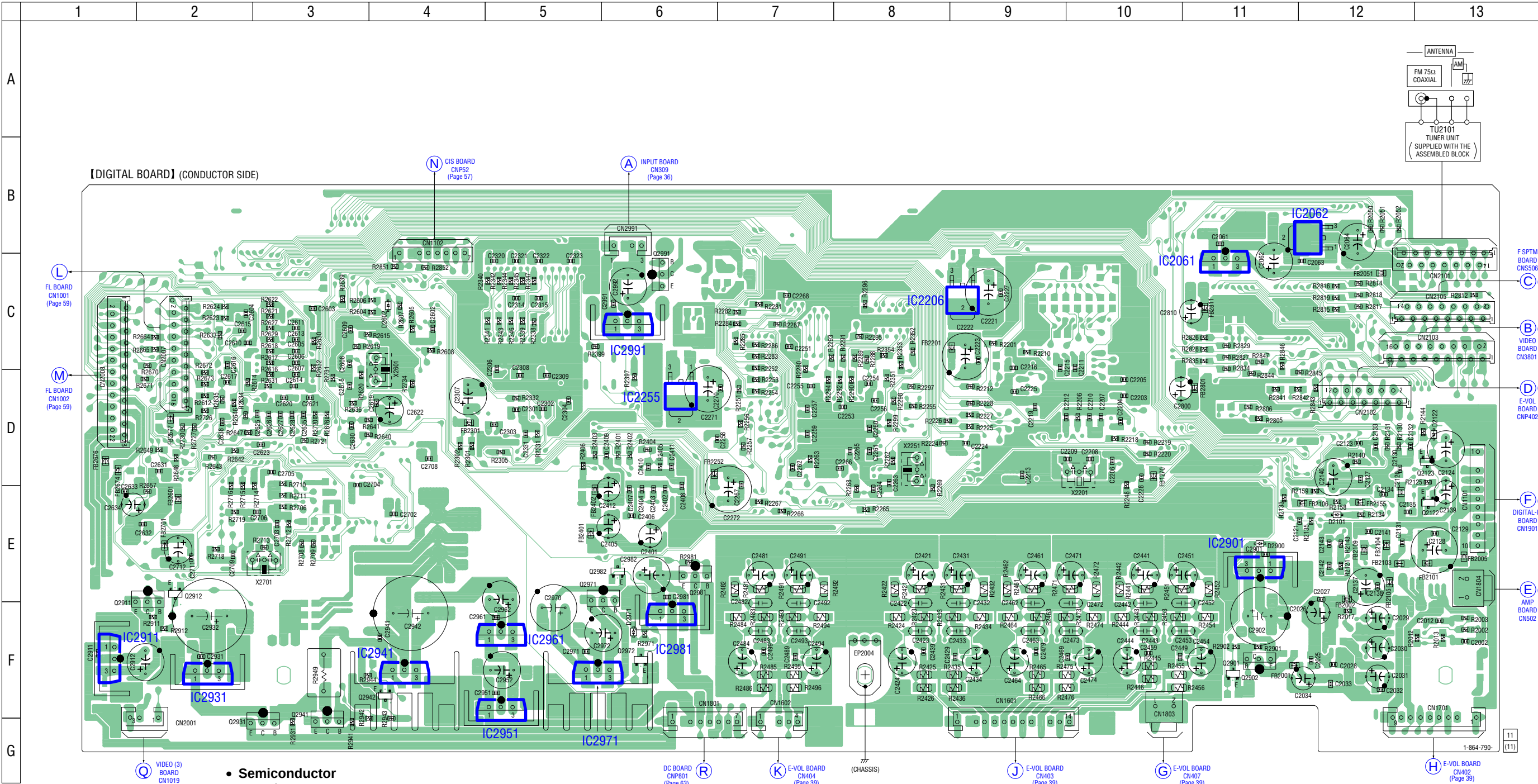
6-8. PRINTED WIRING BOARD – DIGITAL BOARD (COMPONENT SIDE) – • See page 22 for Circuit Boards Location. : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2010	F-2	IC2253	C-6	IC2702	E-10
D2070	B-2	IC2254	D-7	IC2703	E-11
D2601	C-10	IC2301	D-9	IC2704	D-10
D2702	E-12	IC2302	C-9	IC2706	E-12
		IC2303	D-9	IC2801	D-3
IC2001	F-1	IC2391	D-8	IC2811	C-3
IC2010	F-2	IC2392	D-8	IC2812	C-2
IC2121	D-2	IC2401	E-8	IC2831	D-3
IC2123	E-2	IC2421	F-6		
IC2124	E-2	IC2441	F-4	Q2051	F-1
IC2125	E-2	IC2461	F-5	Q2052	D-1
IC2201	D-4	IC2481	F-7	Q2601	C-10
IC2203	D-5	IC2601	C-11	Q2602	C-10
IC2204	D-4	IC2603	D-12	Q2603	C-10
IC2207	D-5	IC2604	D-13	Q2703	D-11
IC2251	D-6	IC2605	E-12	Q2801	C-1
IC2252	C-7	IC2701	E-11	Q2992	C-8

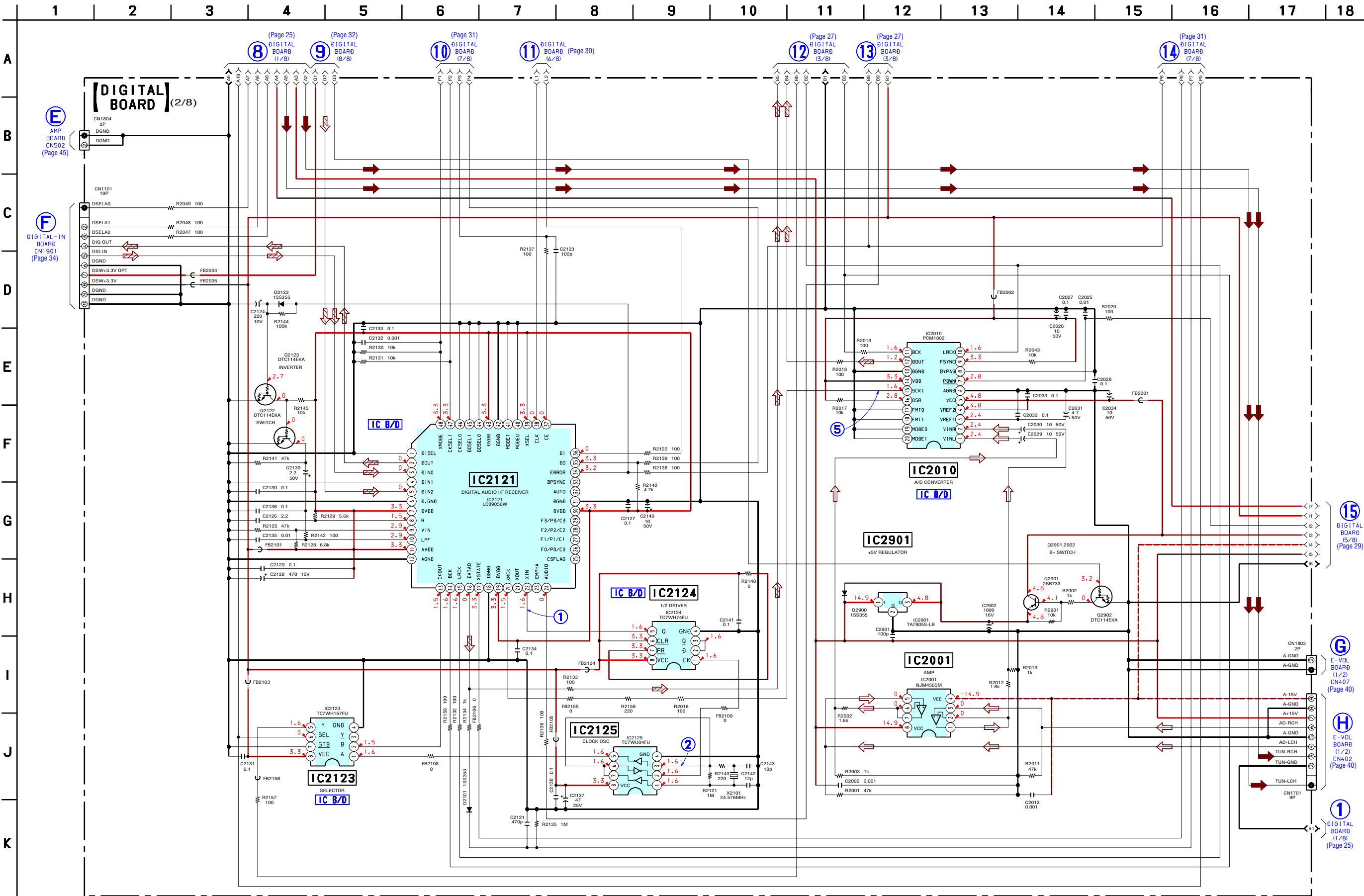
6-9. PRINTED WIRING BOARD – DIGITAL BOARD (CONDUCTOR SIDE) – • See page 22 for Circuit Boards Location. : Uses unleaded solder.



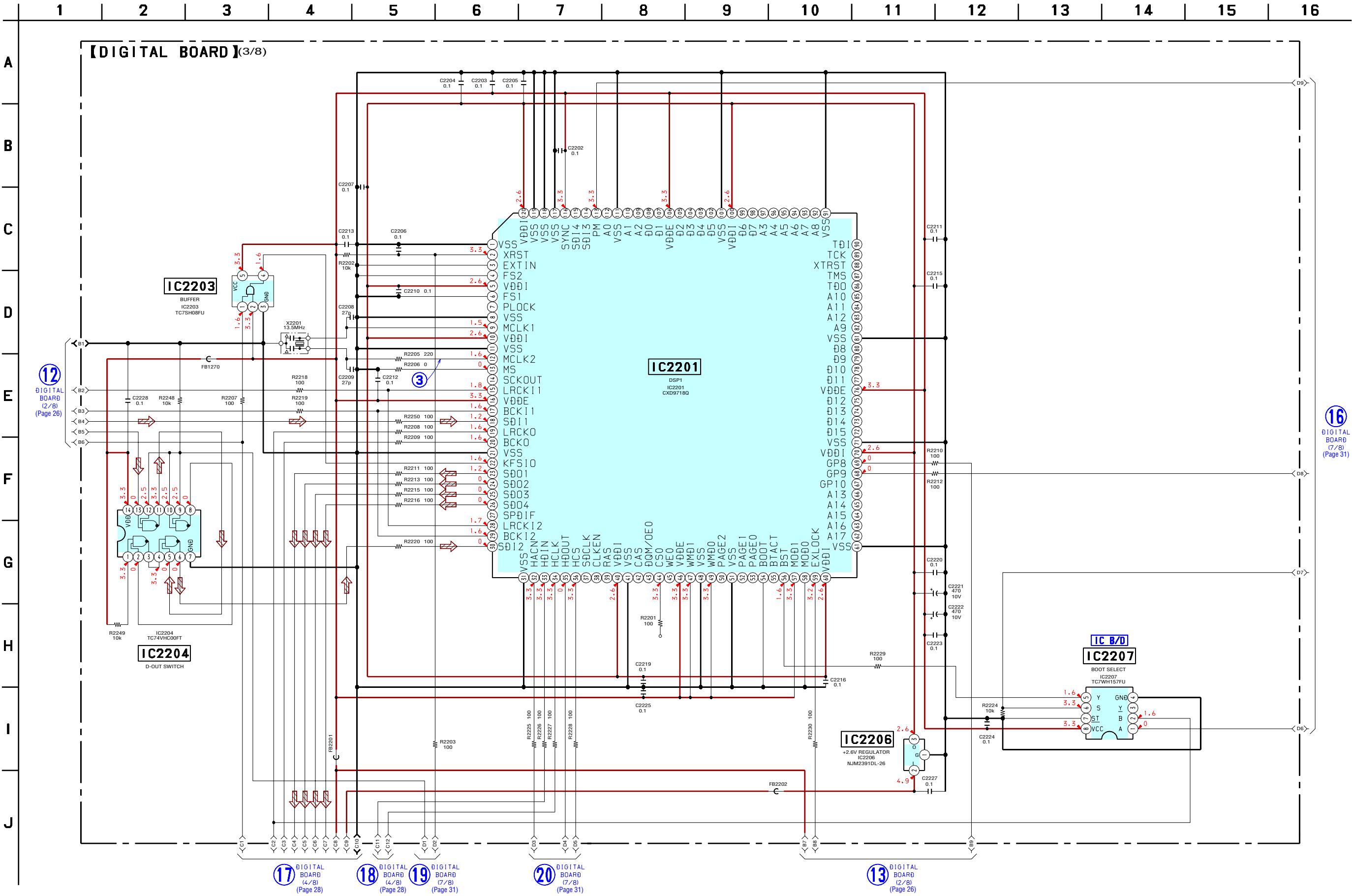
A
B
C
D
E
F
G
H
I
J
K
L
M



6-11. SCHEMATIC DIAGRAM – DIGITAL BOARD (2/8) – • See page 67 for Waveforms. • See page 68, 69, 70 for IC Block Diagrams.



6-12. SCHEMATIC DIAGRAM – DIGITAL BOARD (3/8) – • See page 67 for Waveforms. • See page 70 for IC Block Diagrams. • See page 78 for IC Pin Function Description.



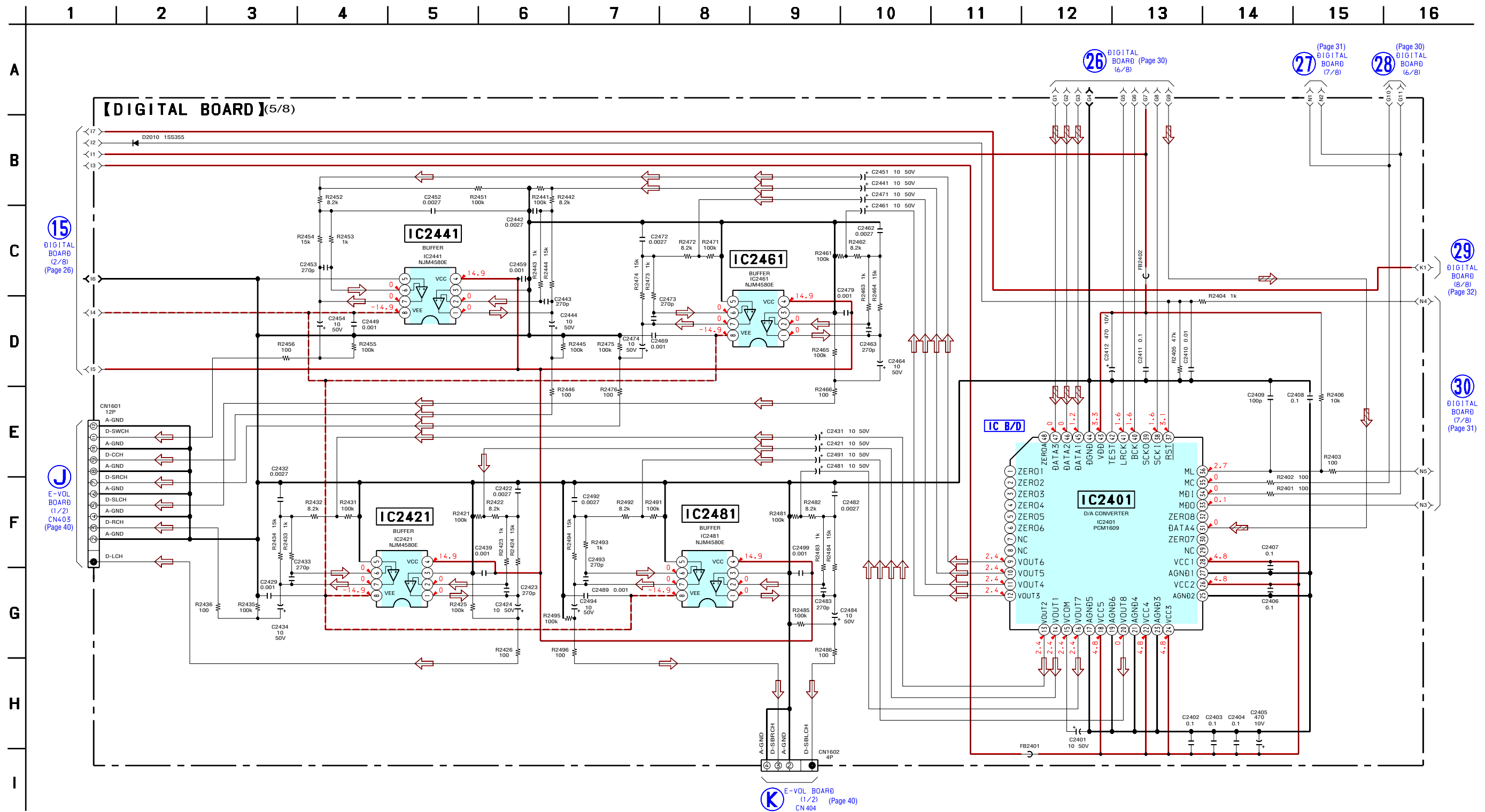
A



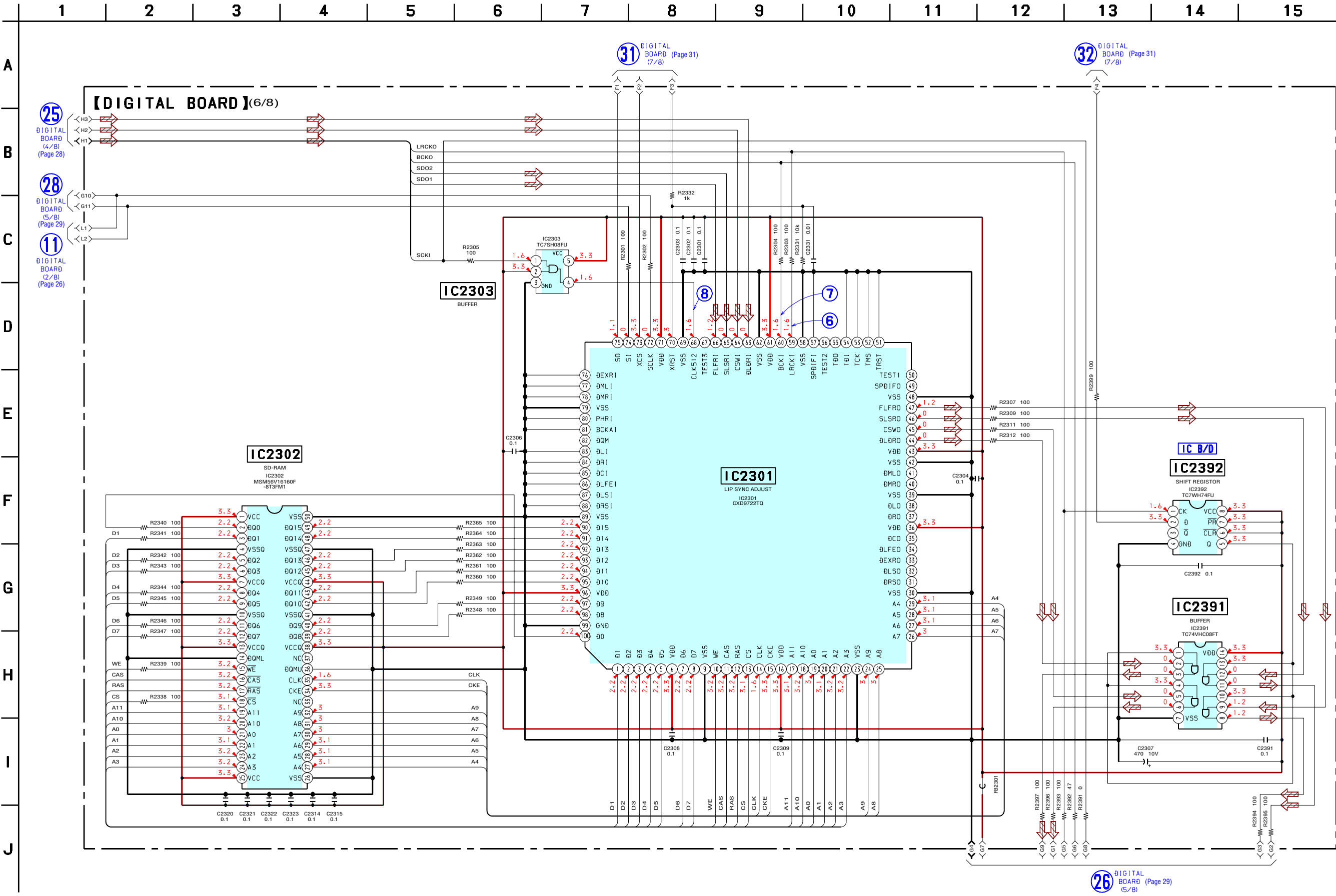
21
DIGITAL
BOARD
(7/8)
(Page 31)

17 DIGITAL BOARD (Page 27)
(3/8)

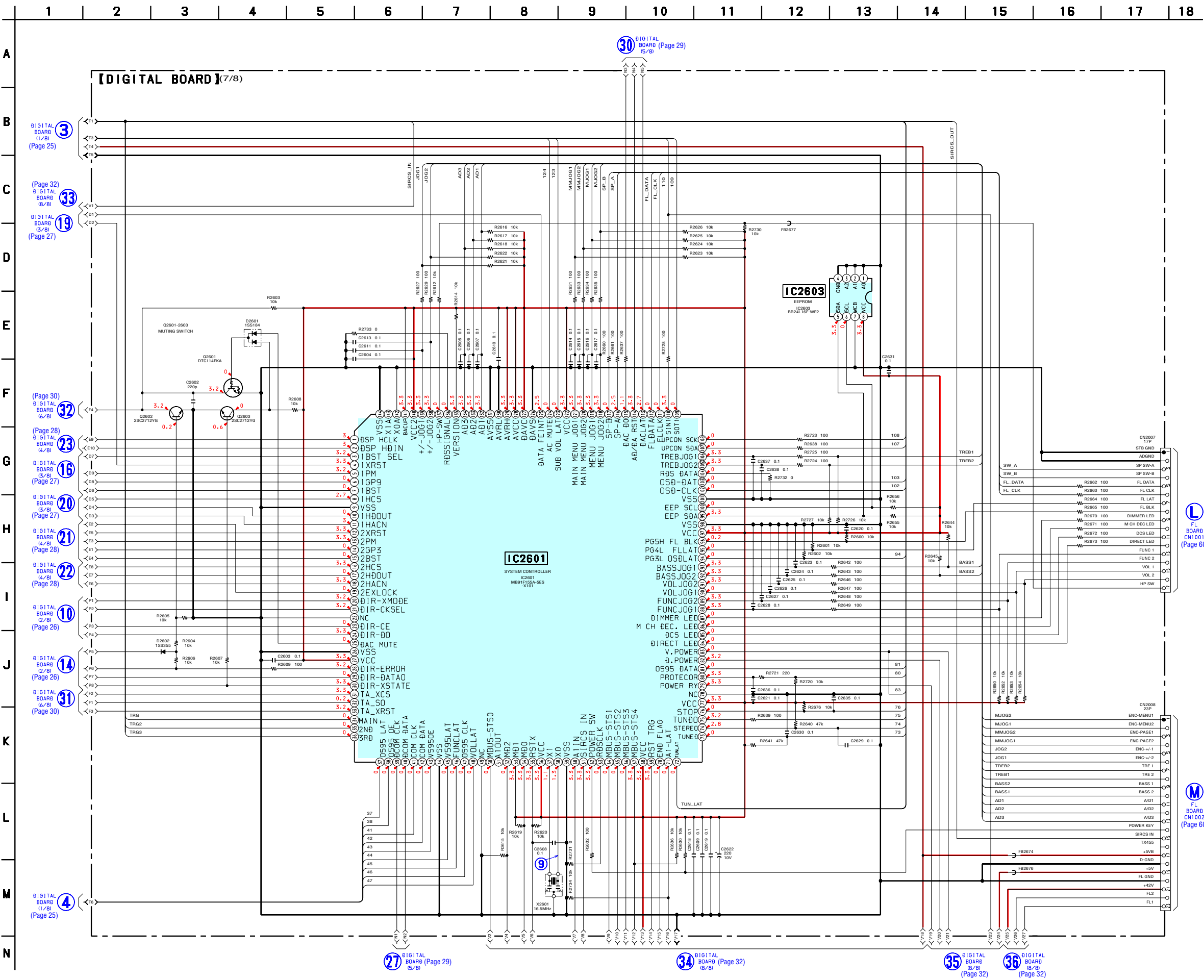
6-14. SCHEMATIC DIAGRAM – DIGITAL BOARD (5/8) – • See page 67 for Waveforms. • See page 69 for IC Block Diagrams.



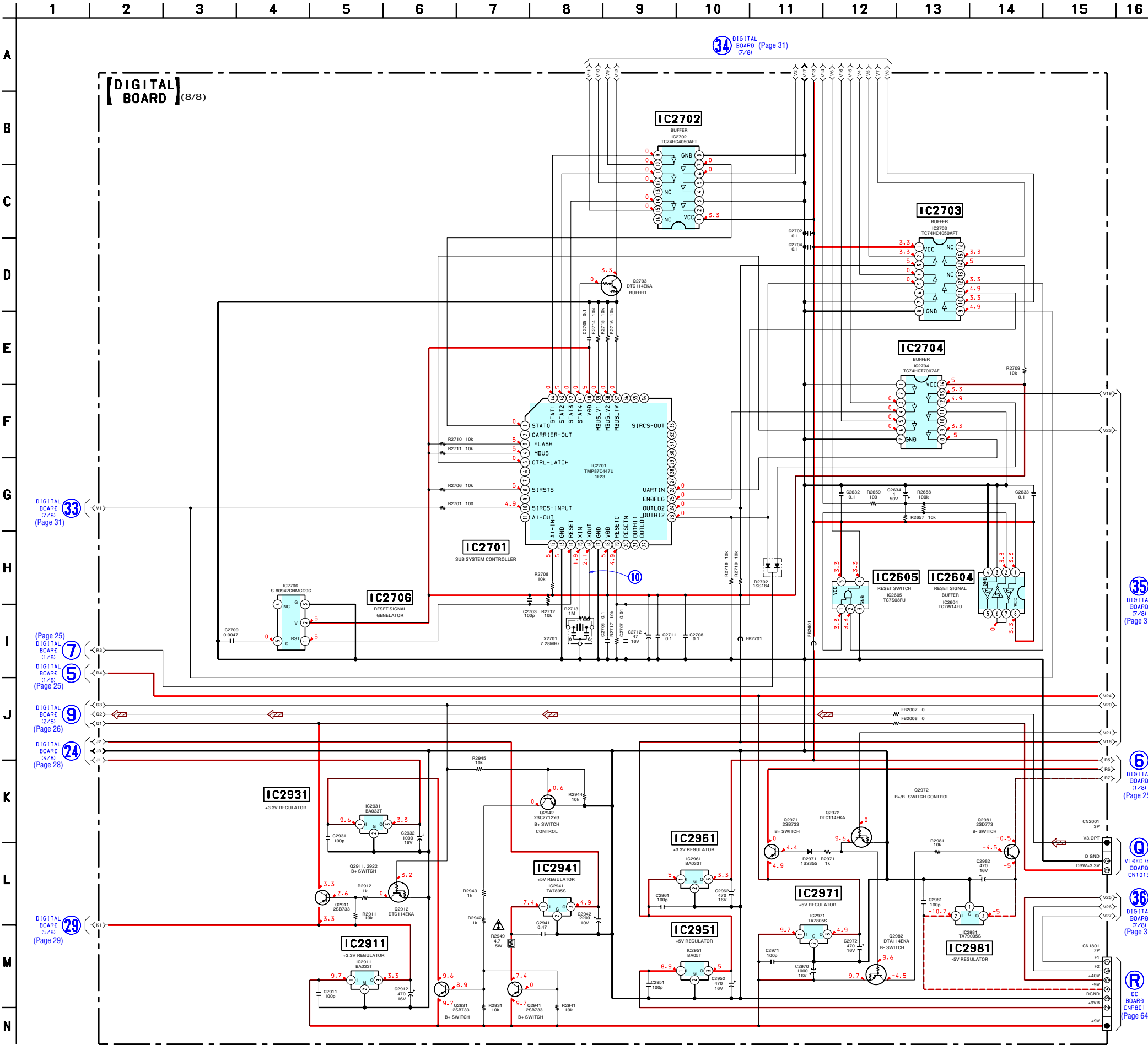
6-15. SCHEMATIC DIAGRAM – DIGITAL BOARD (6/8) – • See page 67 for Waveforms. • See page 70 for IC Block Diagrams. • See page 83 for IC Pin Function Description.



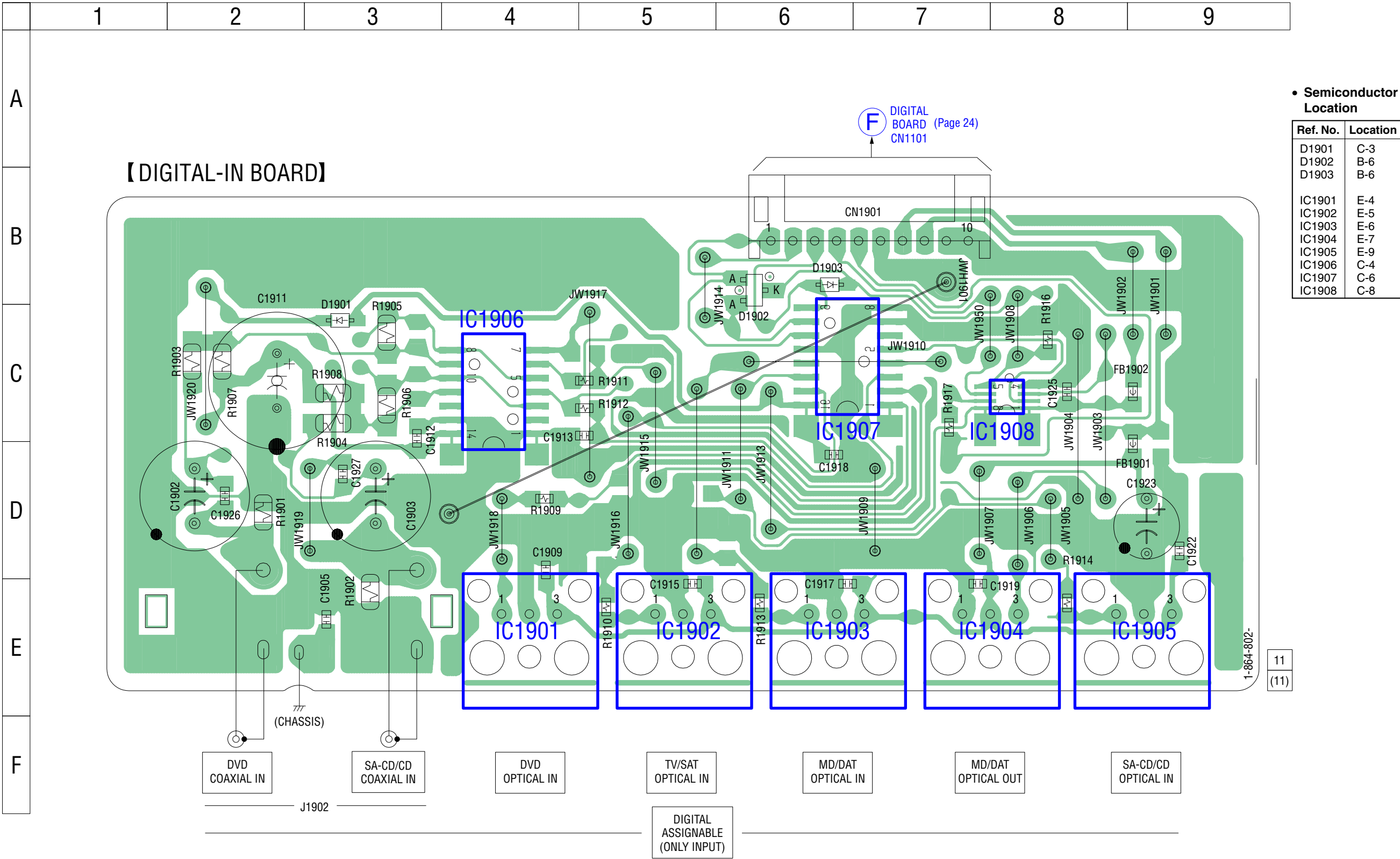
6-16. SCHEMATIC DIAGRAM – DIGITAL BOARD (7/8) – • See page 67 for Waveforms. • See page 85 for IC Pin Function Description.



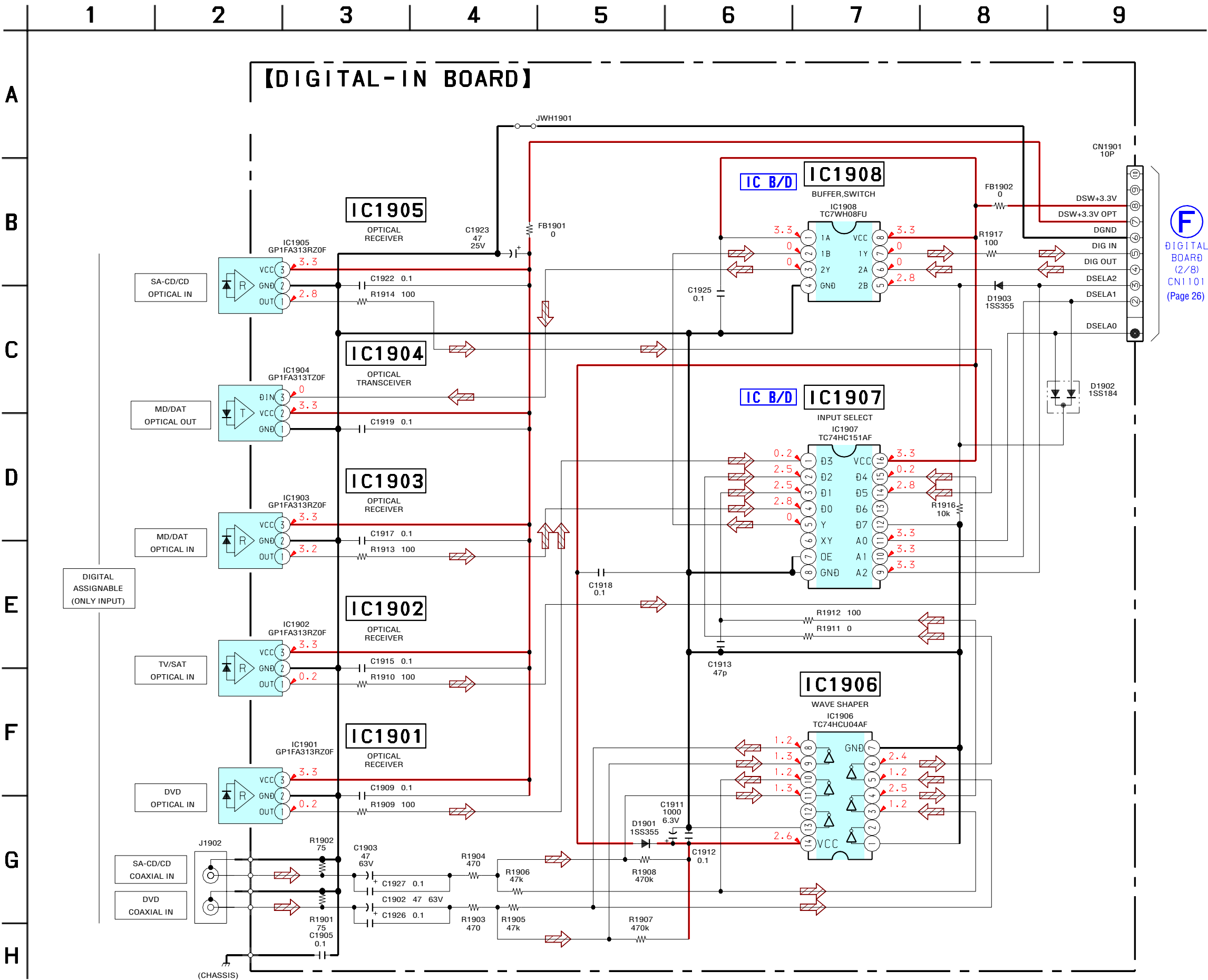
6-17. SCHEMATIC DIAGRAM – DIGITAL BOARD (8/8) – • See page 67 for Waveforms. • See page 88 for IC Pin Function Description.



6-18. PRINTED WIRING BOARD – DIGITAL-IN BOARD – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.

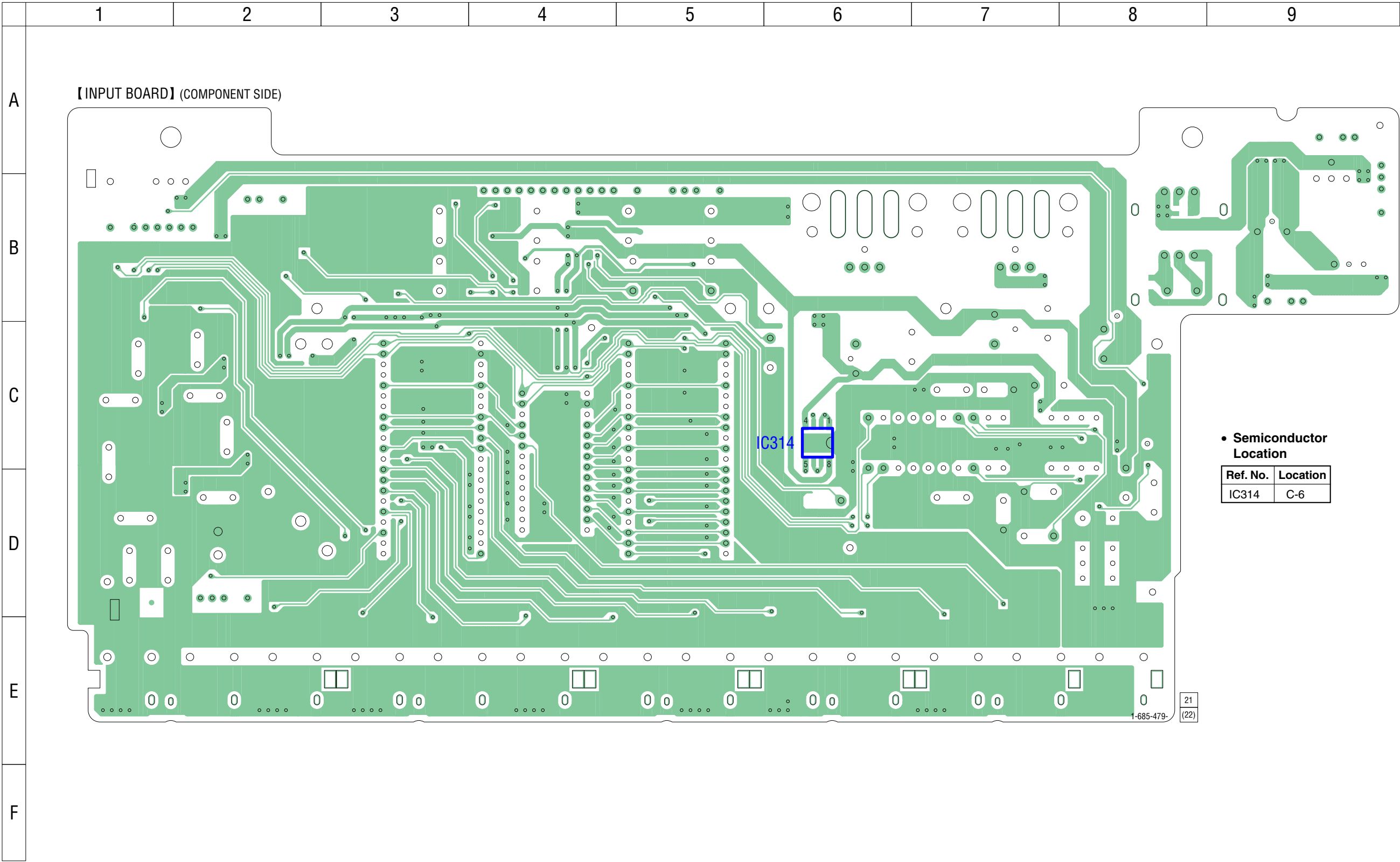


6-19. SCHEMATIC DIAGRAM – DIGITAL-IN BOARD – • See page 70, 71 for IC Block Diagrams.

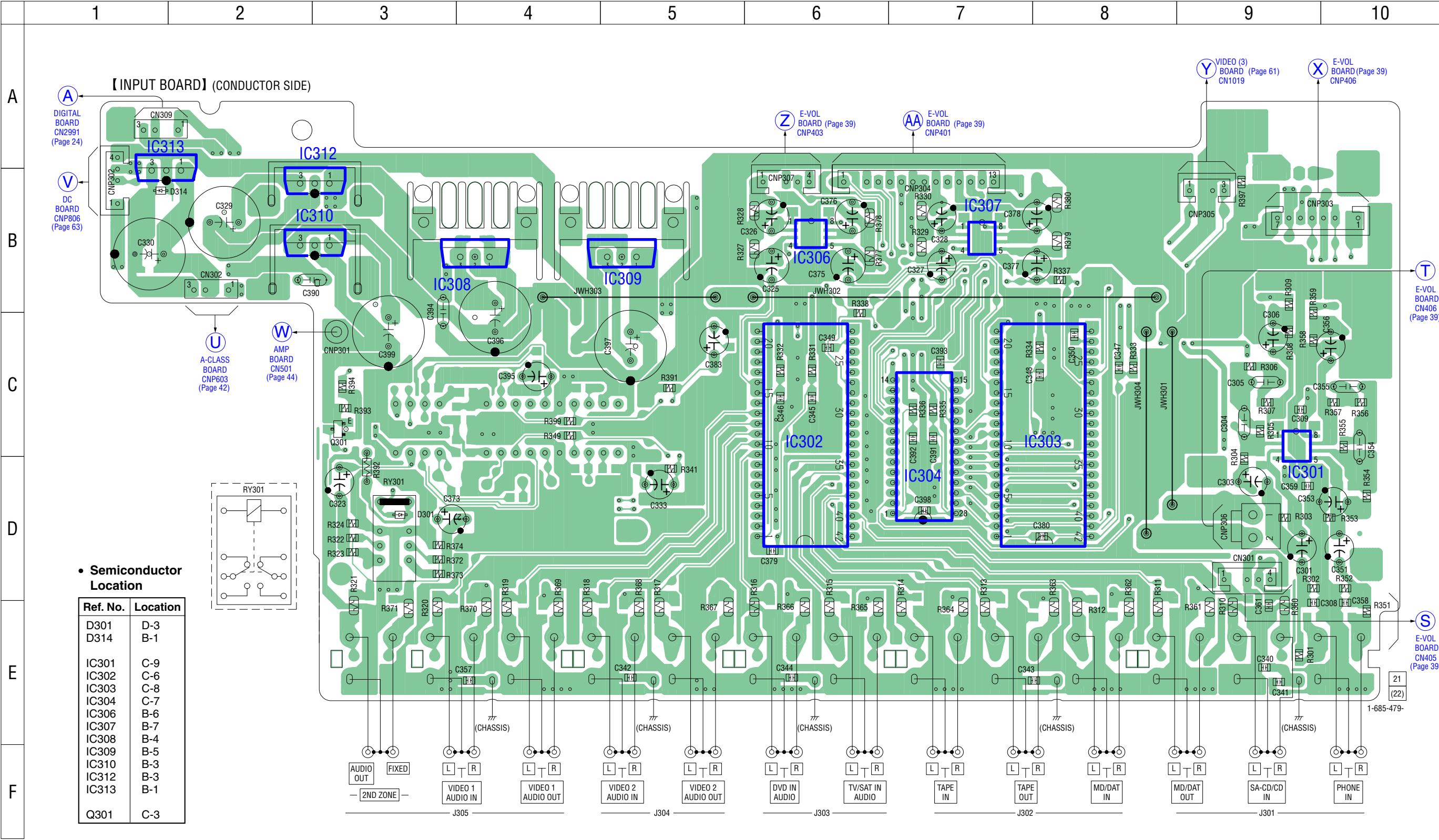


F
DIGITAL
BOARD
(2/8)
CN1101
(Page 26)

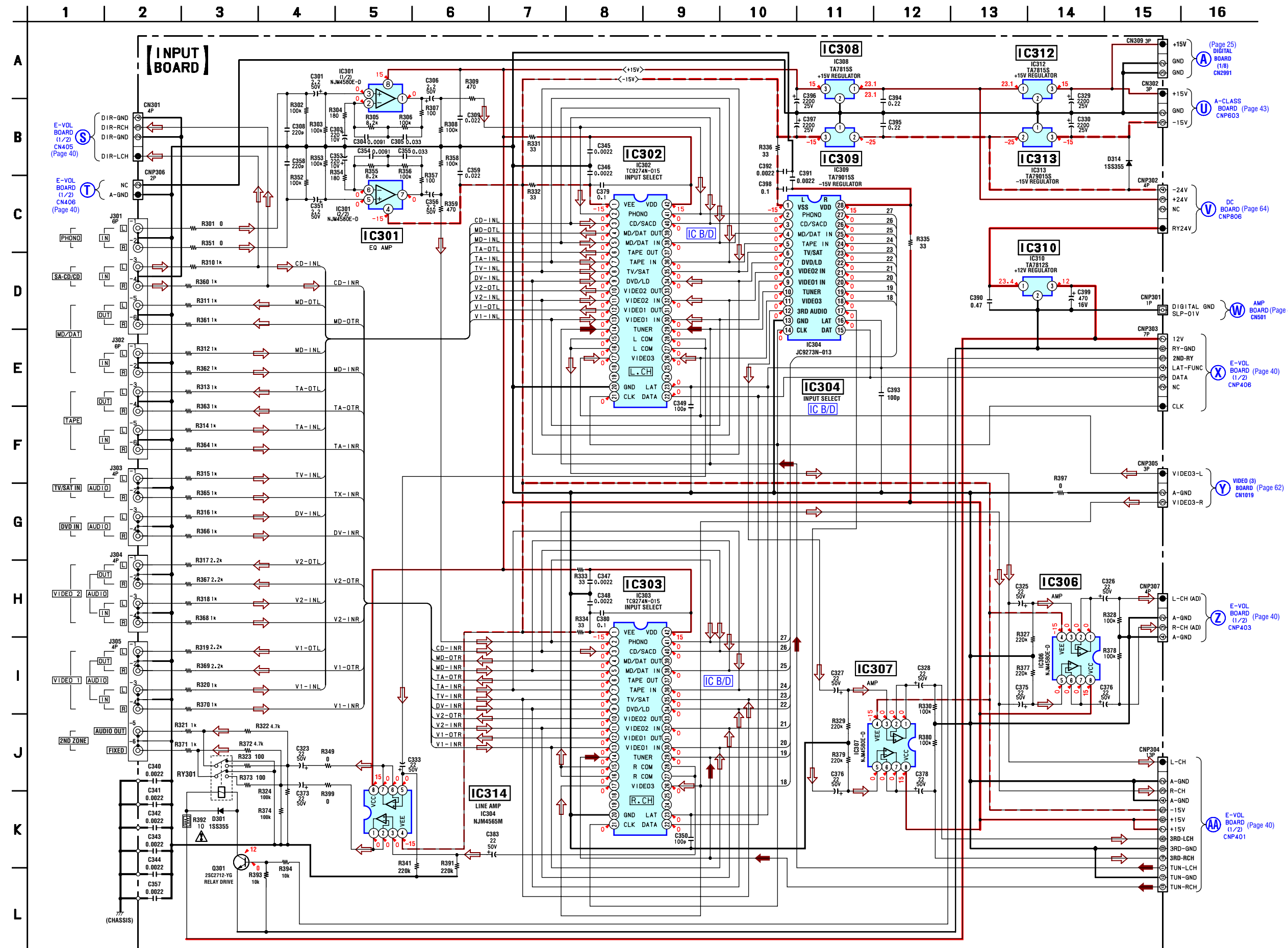
6-20. PRINTED WIRING BOARD – INPUT BOARD (COMPONENT SIDE) – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



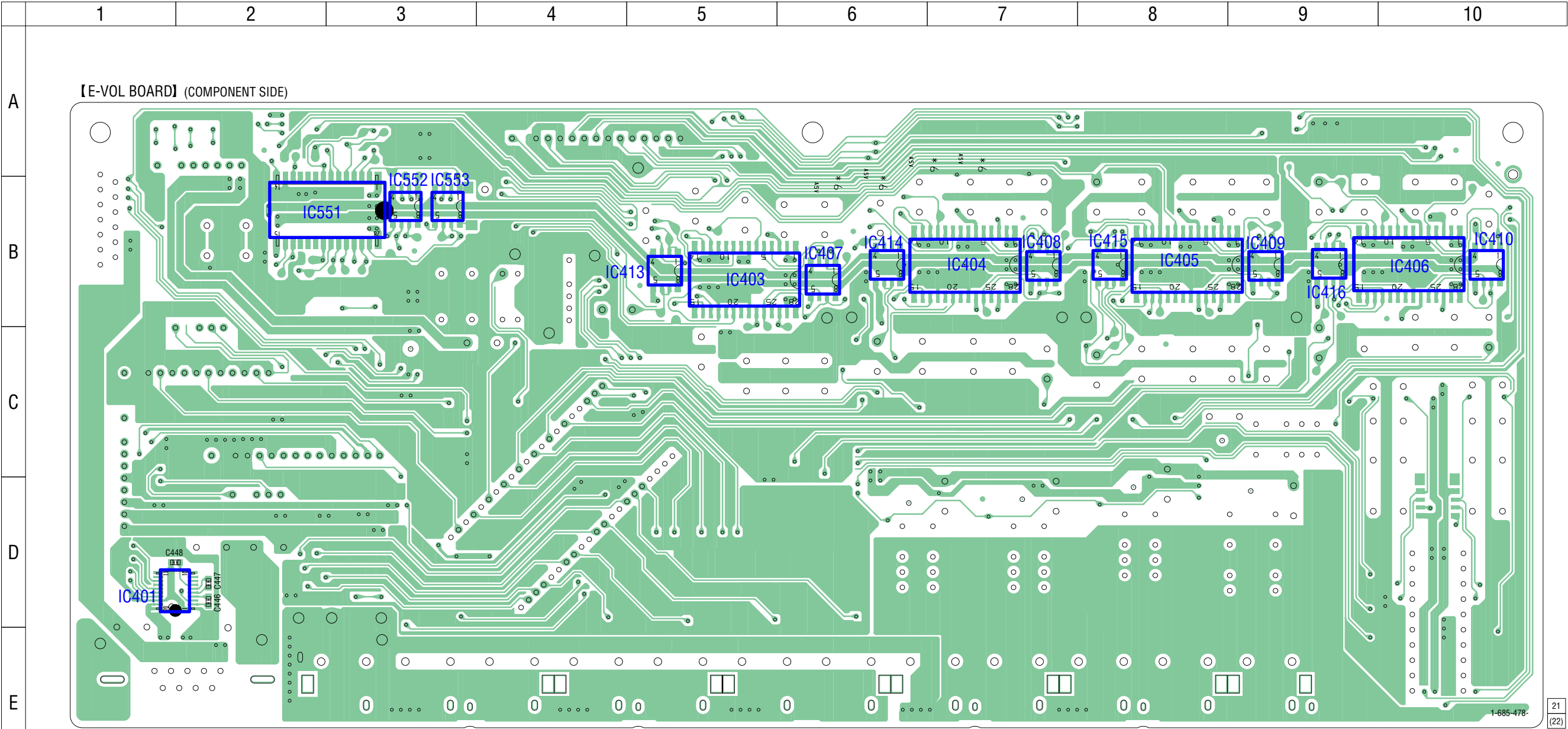
6-21. PRINTED WIRING BOARD – INPUT BOARD (CONDUCTOR SIDE) – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



6-22. SCHEMATIC DIAGRAM – INPUT BOARD – • See page 76 for IC Block Diagrams.



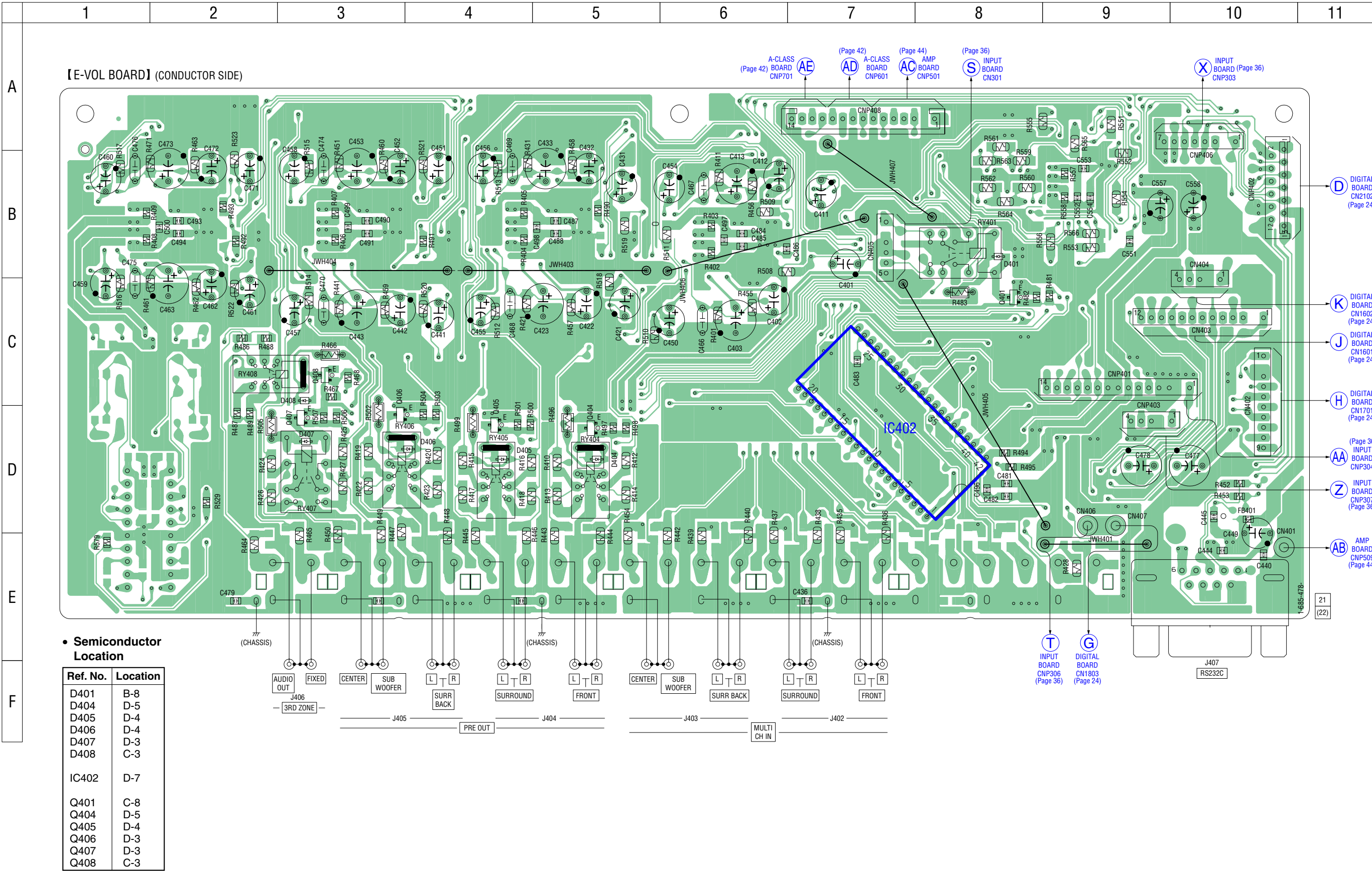
6-23. PRINTED WIRING BOARD – E-VOL BOARD (COMPONENT SIDE) – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



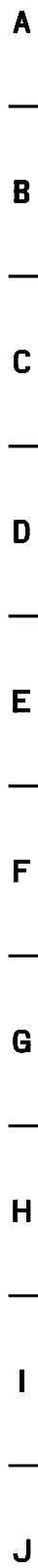
• Semiconductor Location

Ref. No.	Location
IC401	D-1
IC403	B-5
IC404	B-7
IC405	B-8
IC406	B-10
IC407	B-6
IC408	B-7
IC409	B-9
IC410	B-10
IC413	B-5
IC414	B-6
IC415	B-8
IC416	B-9
IC551	B-3
IC552	B-3
IC553	B-3

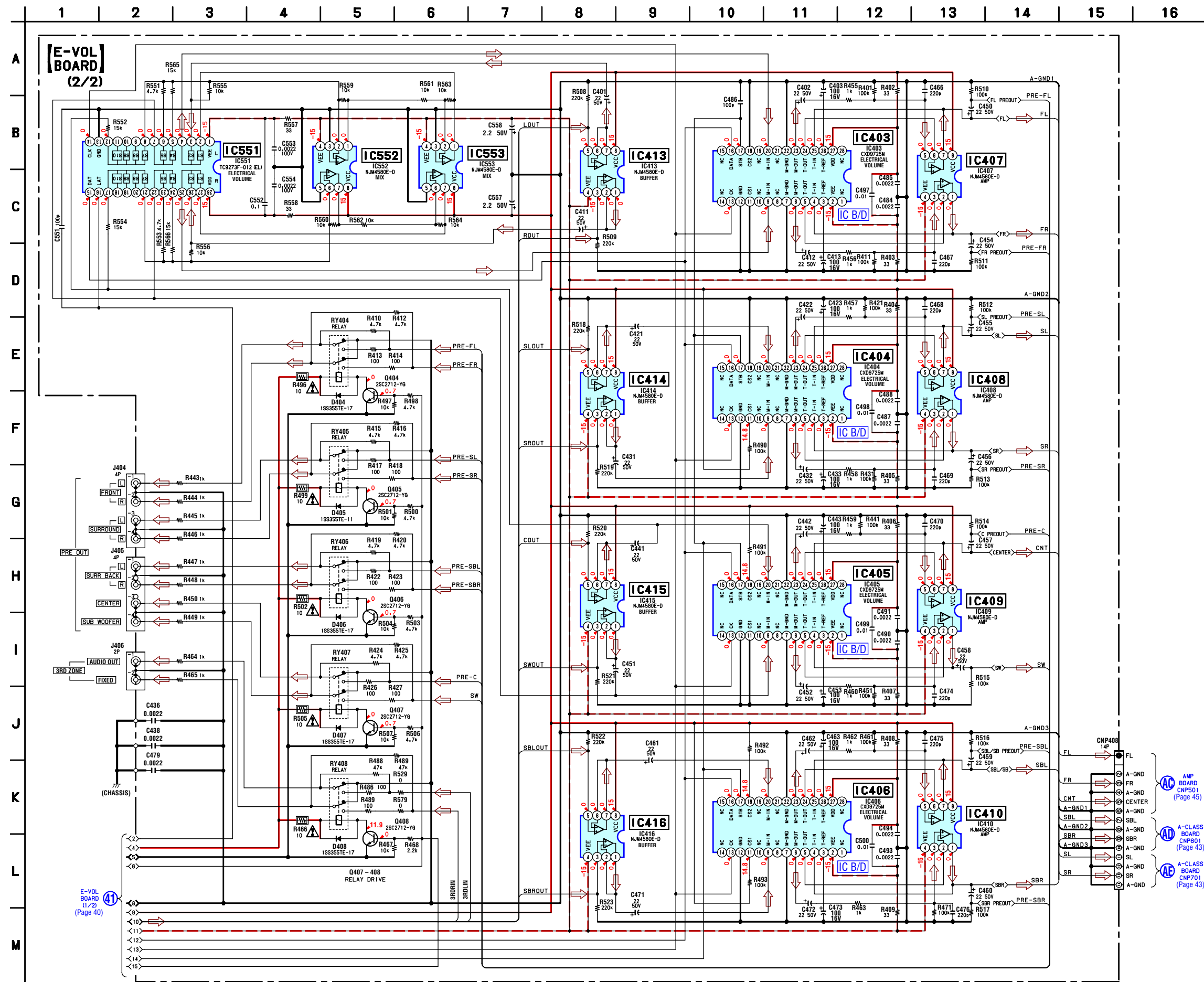
6-24. PRINTED WIRING BOARD – E-VOL BOARD (CONDUCTOR SIDE) – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



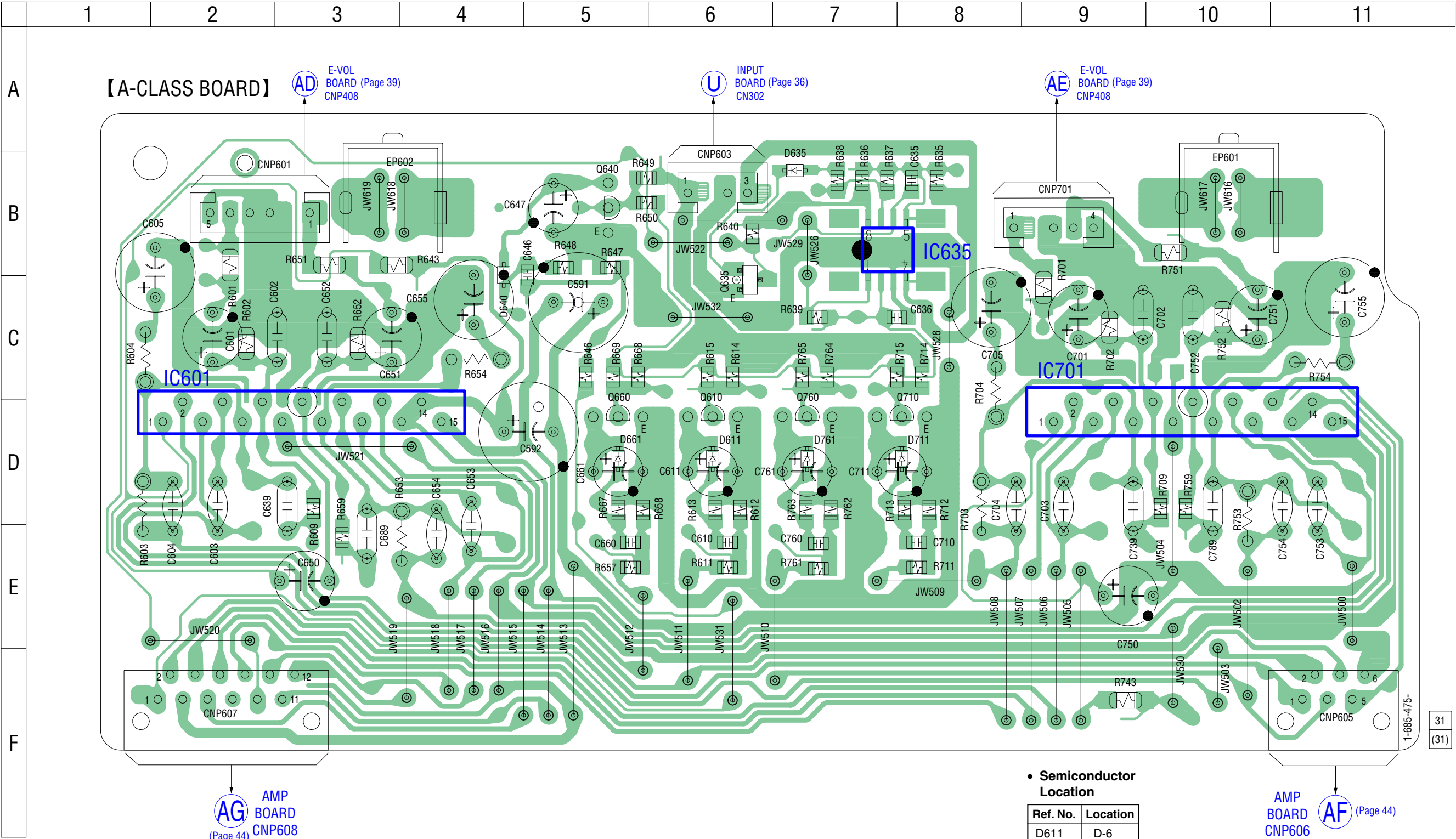
- See page 68 for IC Block Diagrams.



6-26. SCHEMATIC DIAGRAM – E-VOL BOARD (2/2) – • See page 68 for IC Block Diagrams.



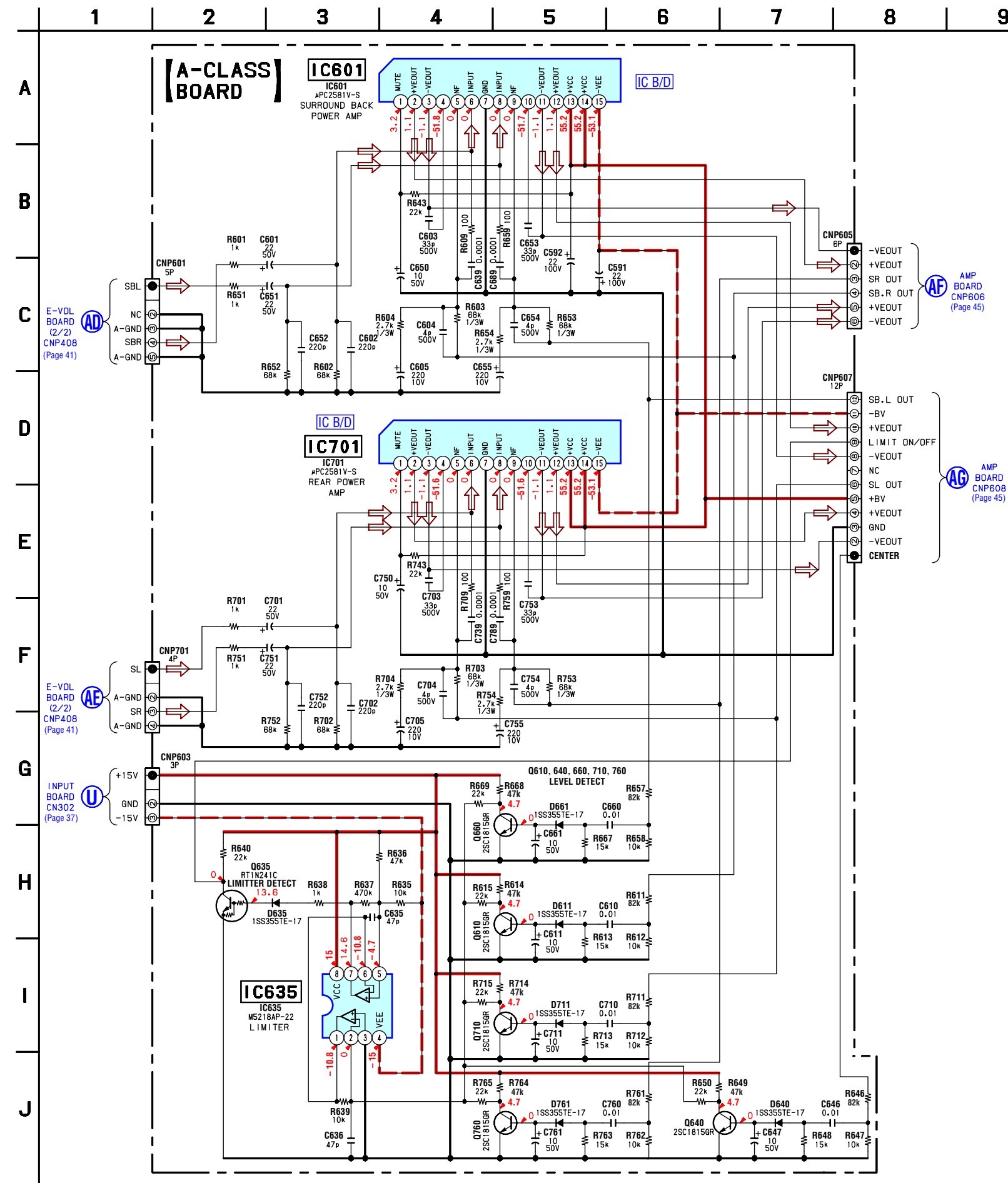
6-27. PRINTED WIRING BOARD – A-CLASS BOARD – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



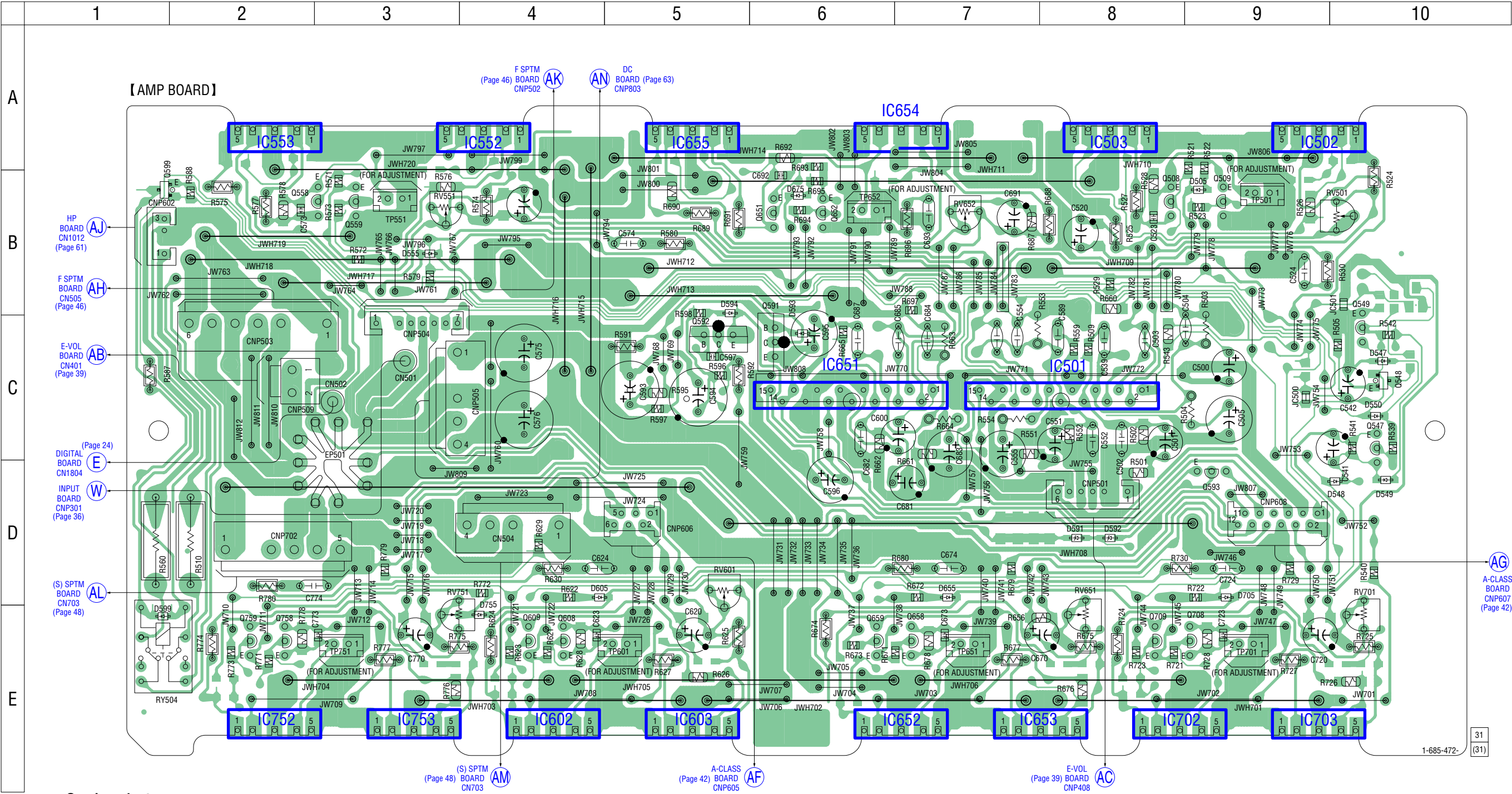
• Semiconductor Location

Ref. No.	Location
D611	D-6
D635	B-7
D640	C-4
D661	D-5
D711	D-8
D761	D-7
IC601	D-3
IC635	B-7
IC701	D-10
Q610	D-6
Q635	C-6
Q640	B-5
Q660	D-5
Q710	D-8
Q760	D-7

6-28. SCHEMATIC DIAGRAM – A-CLASS BOARD – • See page 77 for IC Block Diagrams.



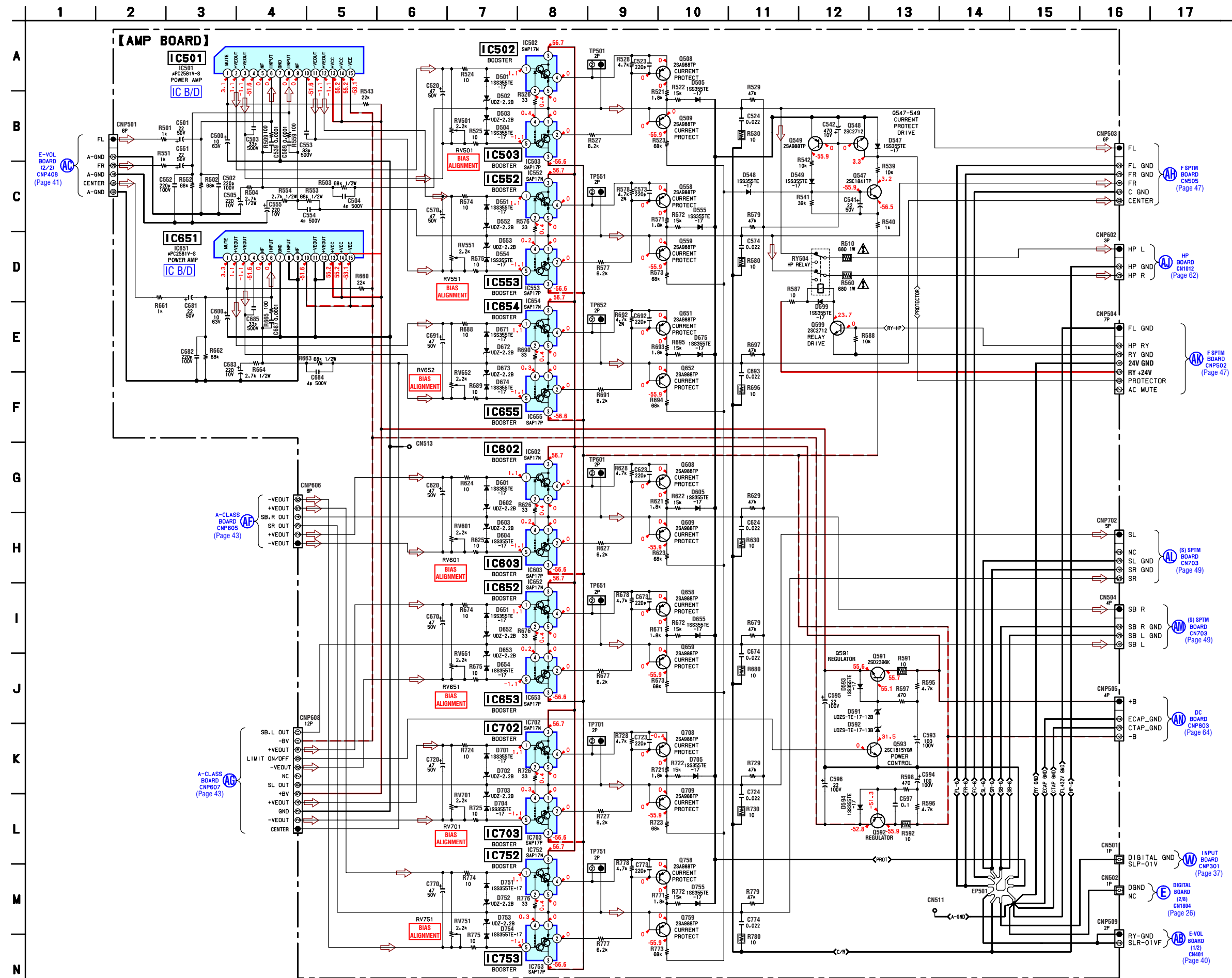
6-29. PRINTED WIRING BOARD – AMP BOARD – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



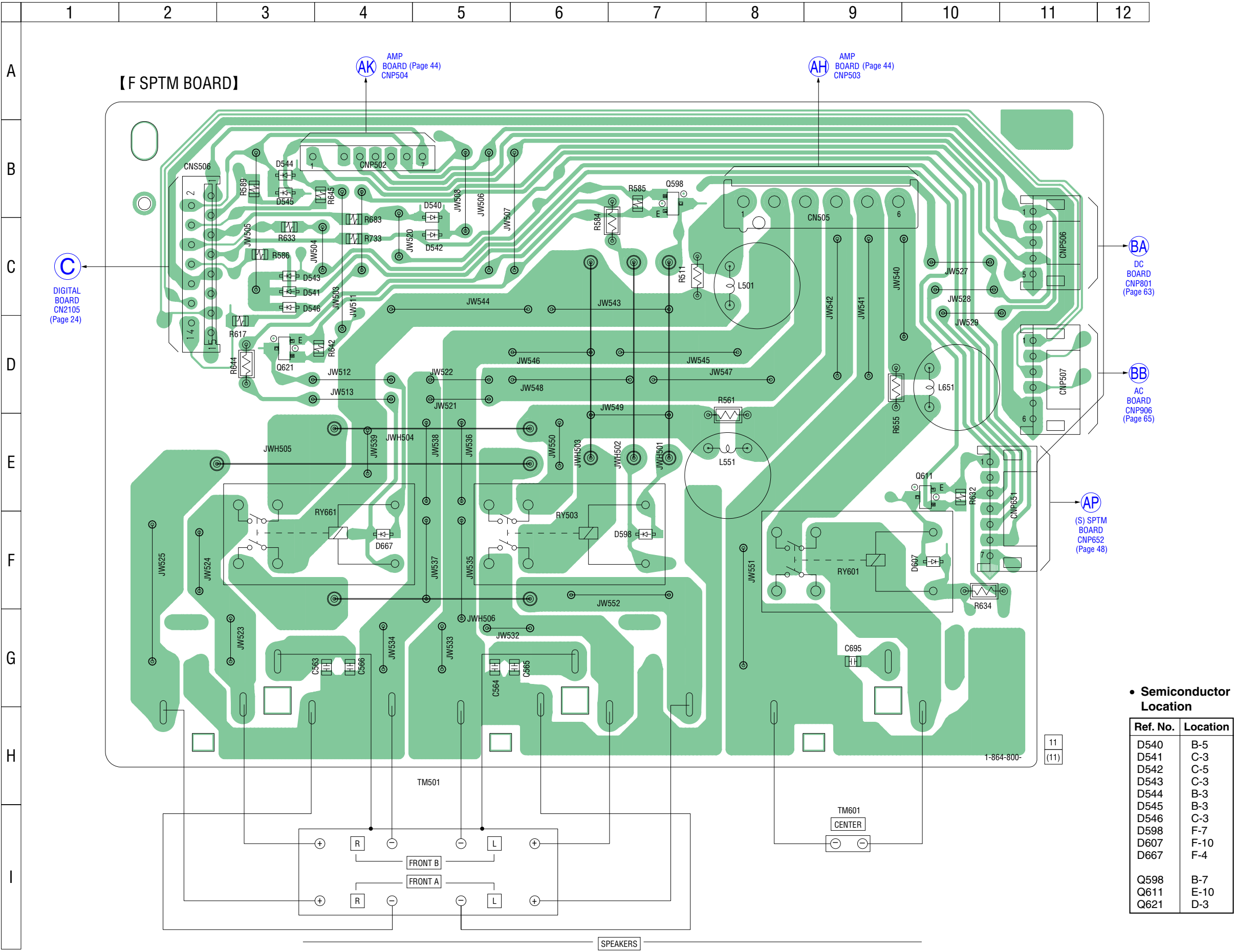
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	B-9	D705	D-9	IC655	A-5	Q592	C-5
D547	C-10	D755	E-4	IC702	E-8	Q593	D-9
D548	D-10			IC703	E-9	Q599	B-1
D549	D-10	IC501	C-8	IC752	E-2	Q608	E-4
D550	C-10	IC502	A-9	IC753	E-3	Q609	E-4
D555	B-3	IC503	A-8			Q651	B-6
D591	D-8	IC552	A-4	Q508	B-8	Q652	B-6
D592	D-8	IC553	A-2	Q509	B-9	Q658	E-7
D593	C-6	IC602	E-4	Q547	C-10	Q659	E-6
D594	B-5	IC603	E-5	Q548	C-10	Q708	E-9
D599	E-1	IC651	C-6	Q549	C-10	Q709	E-8
D605	D-4	IC652	E-7	Q558	B-3	Q758	E-2
D655	D-7	IC653	E-8	Q559	B-3	Q759	E-2
D675	B-6	IC654	A-7	Q591	C-6		

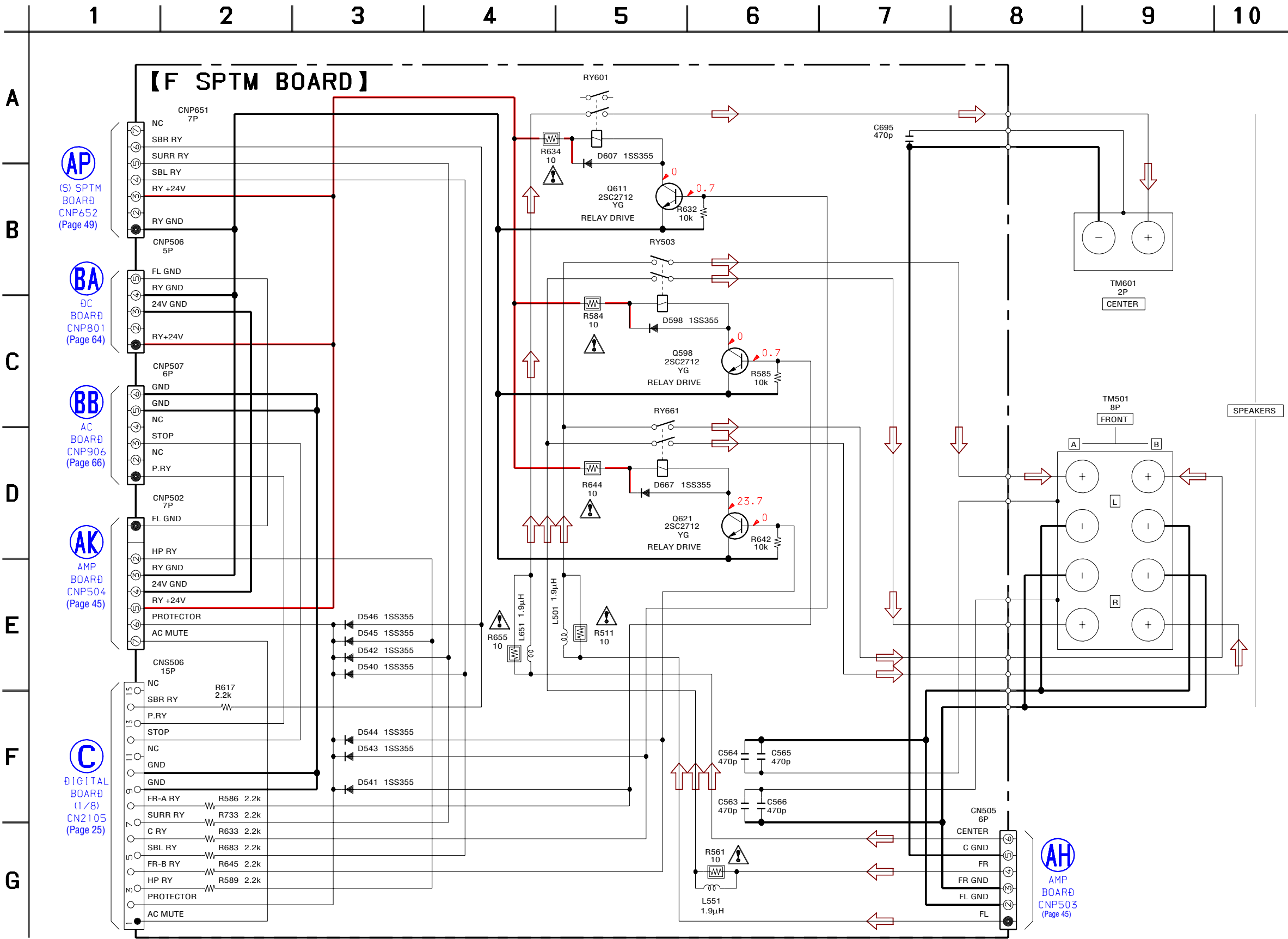
6-30. SCHEMATIC DIAGRAM – AMP BOARD – • See page 77 for IC Block Diagrams.



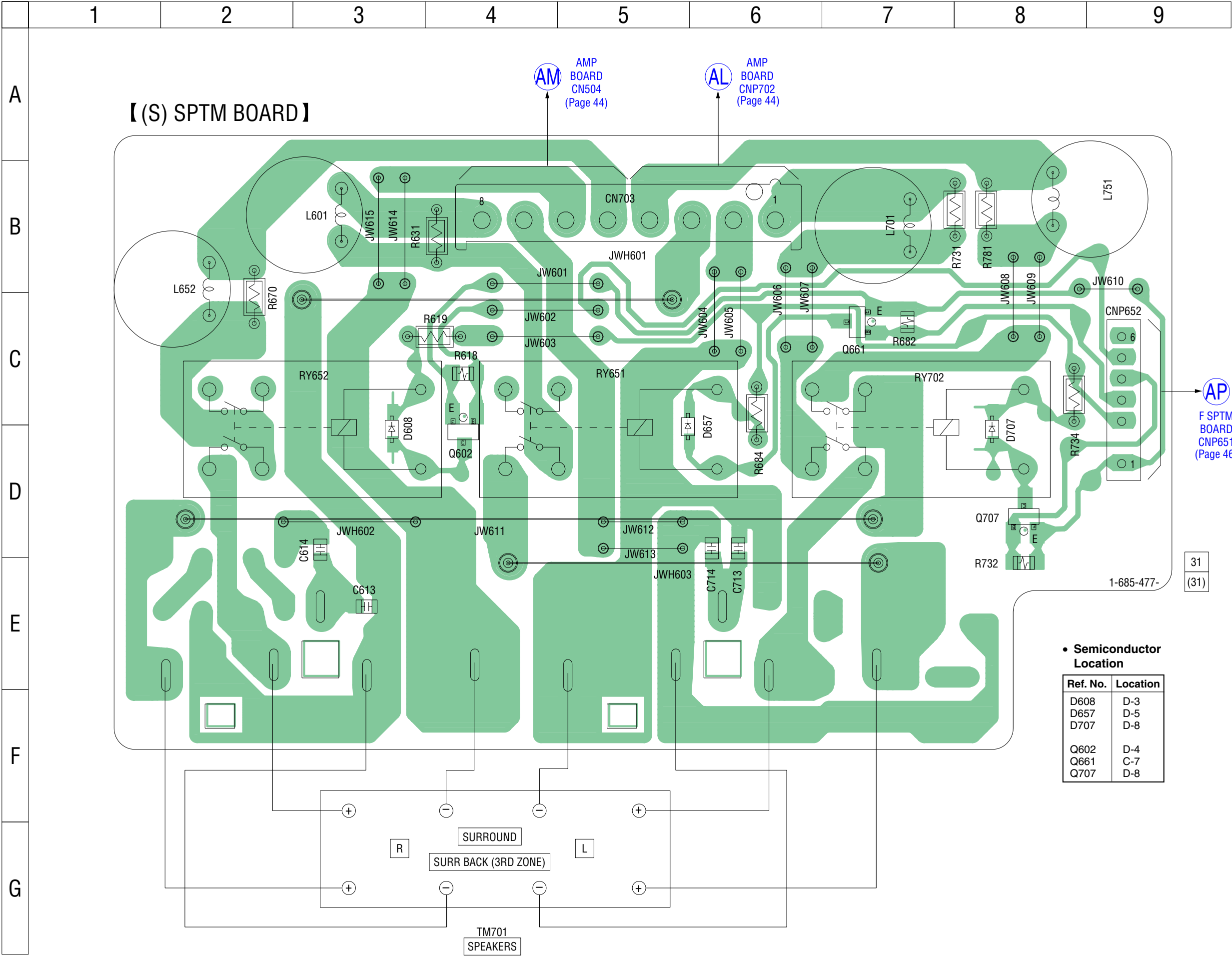
6-31. PRINTED WIRING BOARD – F-SPTM BOARD – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



6-32. SCHEMATIC DIAGRAM – F-SPTM BOARD –



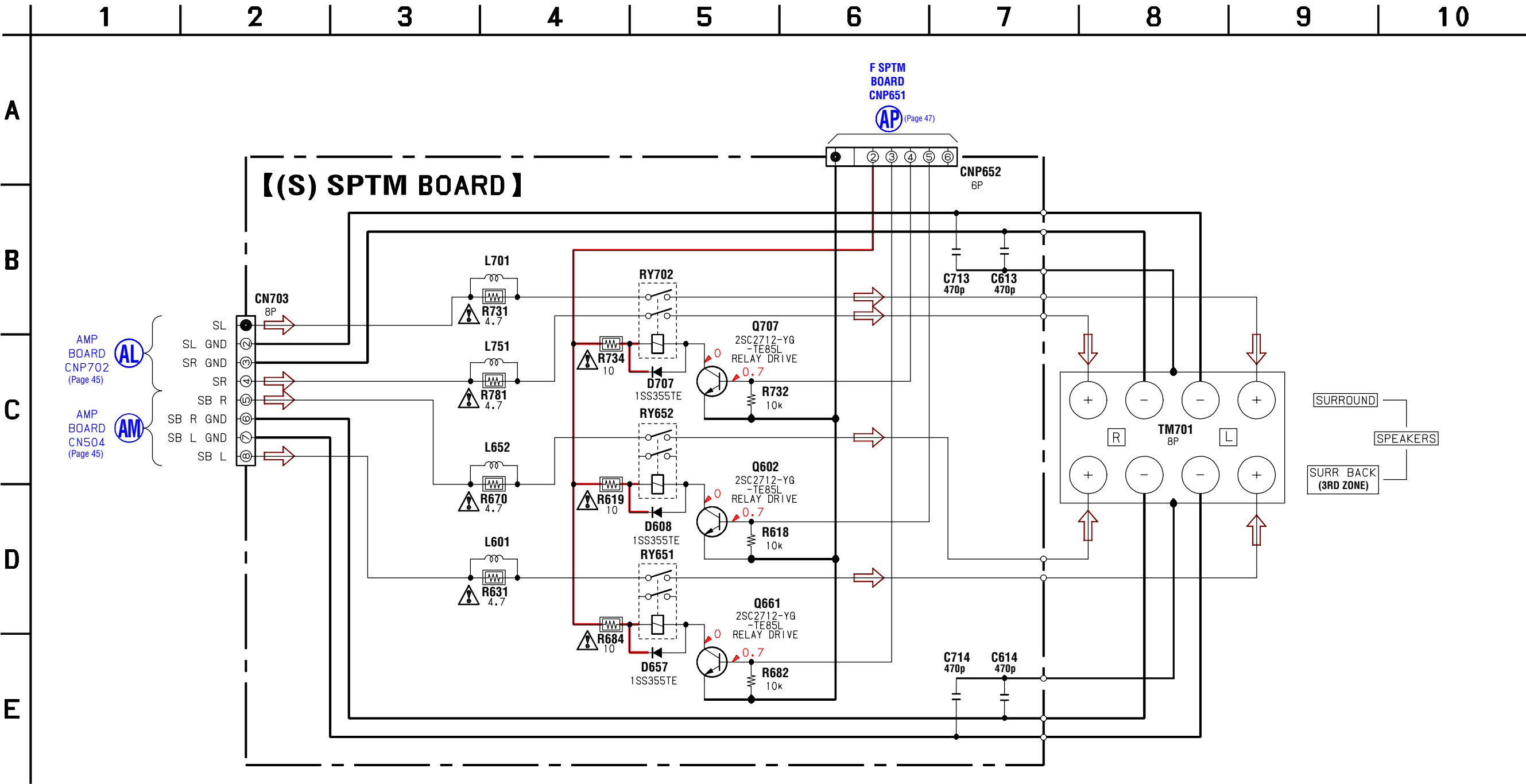
6-33. PRINTED WIRING BOARD – (S) SPTM BOARD – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



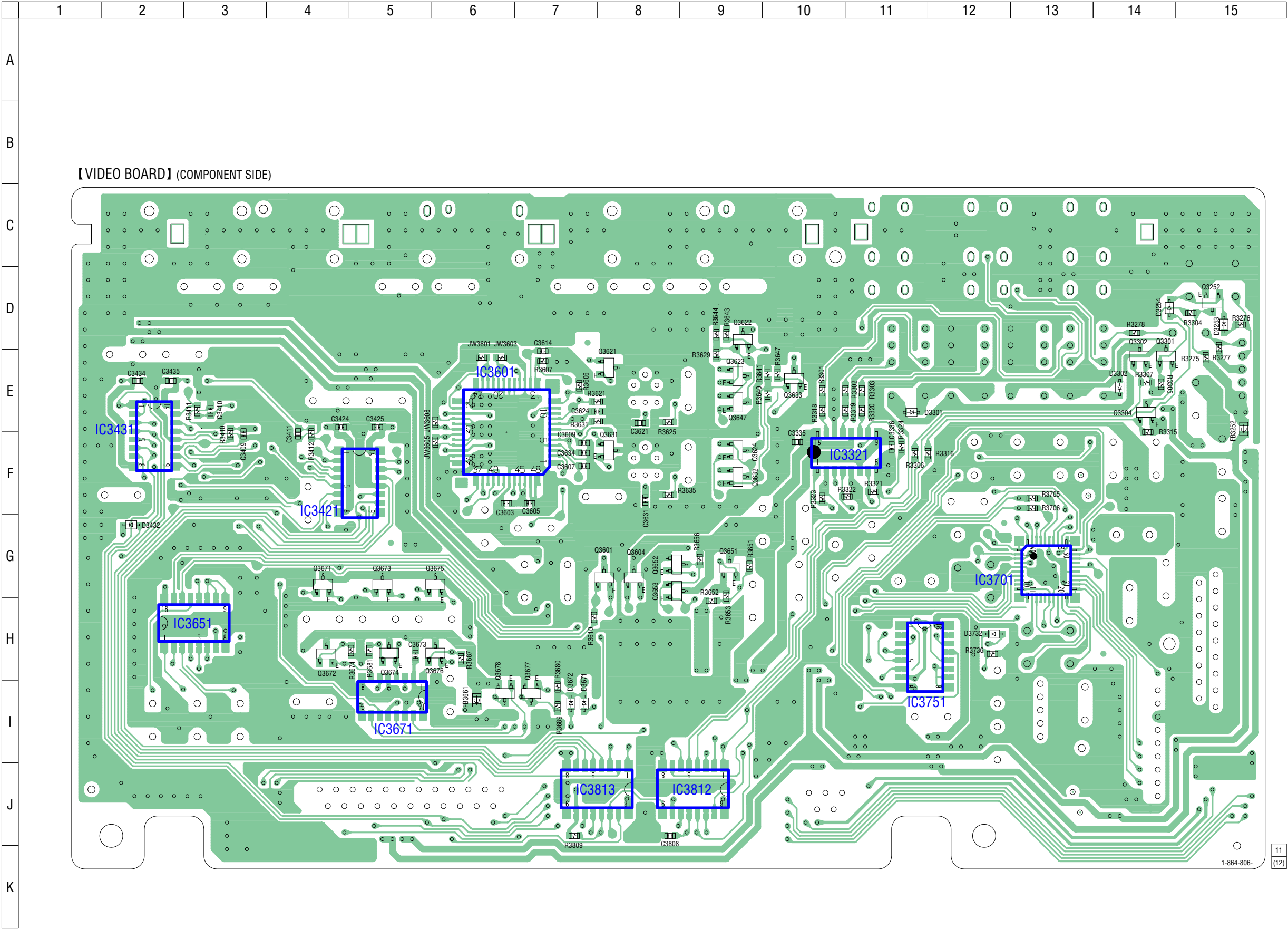
• Semiconductor Location

Ref. No.	Location
D608	D-3
D657	D-5
D707	D-8
Q602	D-4
Q661	C-7
Q707	D-8

6-34. SCHEMATIC DIAGRAM – (S) SPTM BOARD –



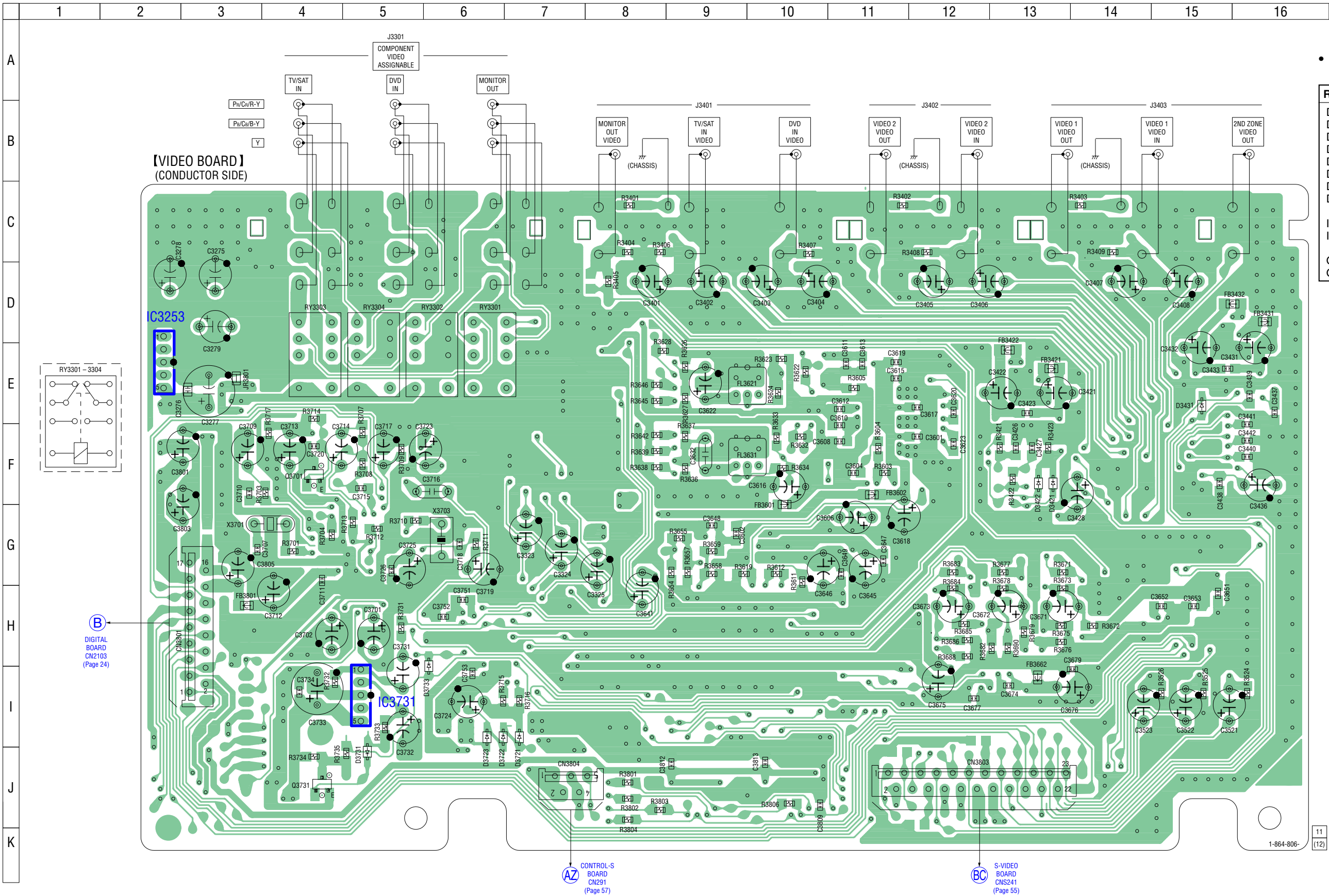
6-35. PRINTED WIRING BOARD – VIDEO BOARD (COMPONENT SIDE) – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location
D3253	D-15
D3254	D-14
D3301	E-11
D3302	E-14
D3432	G-2
D3671	I-7
D3672	I-7
D3732	H-12
IC3321	F-11
IC3421	F-5
IC3431	F-2
IC3601	E-6
IC3651	H-3
IC3671	I-5
IC3701	G-13
IC3751	H-11
IC3812	J-9
IC3813	J-7
Q3252	D-15
Q3301	E-14
Q3302	E-14
Q3304	E-14
Q3601	G-8
Q3604	G-8
Q3621	E-8
Q3622	D-9
Q3623	E-9
Q3624	F-9
Q3631	F-8
Q3632	F-9
Q3633	E-10
Q3647	E-9
Q3651	G-9
Q3652	G-8
Q3653	G-8
Q3671	G-4
Q3672	H-4
Q3673	G-5
Q3674	H-5
Q3675	G-6
Q3676	H-6
Q3677	I-7
Q3678	I-6

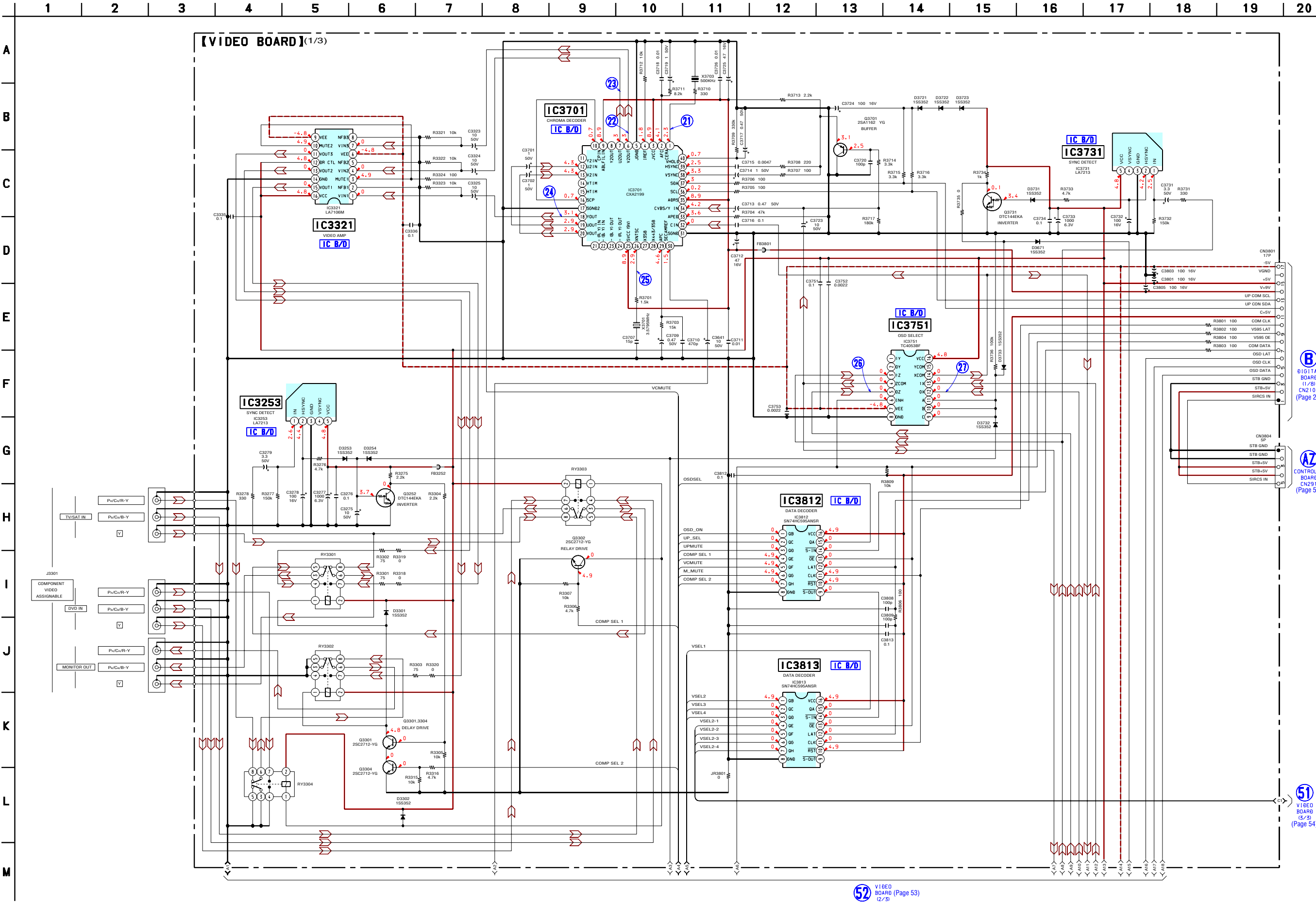
6-36. PRINTED WIRING BOARD – VIDEO BOARD (CONDUCTOR SIDE) – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



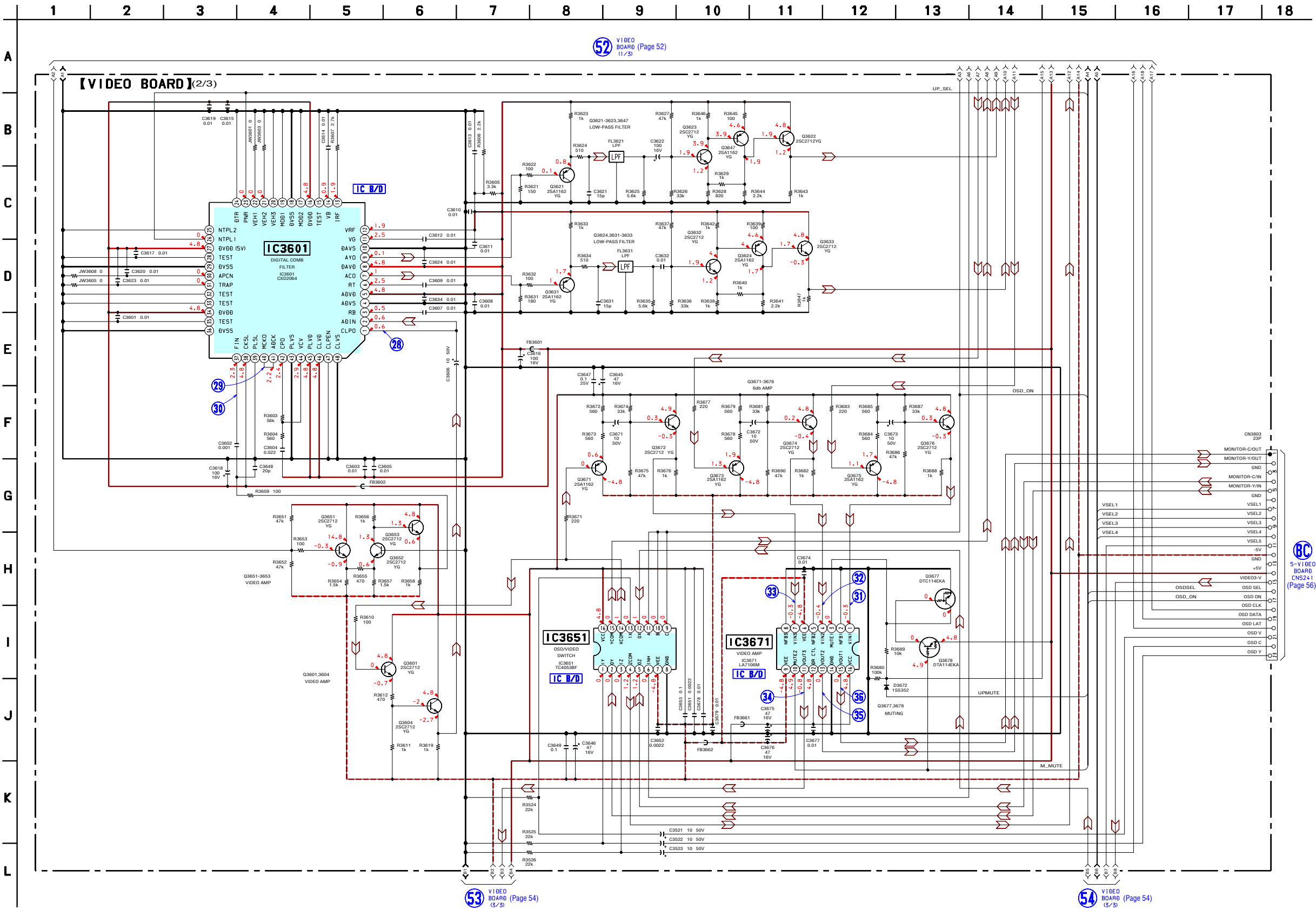
• Semiconductor Location

Ref. No.	Location
D3421	F-13
D3422	F-13
D3431	E-15
D3721	I-7
D3722	I-6
D3723	I-6
D3731	J-5
D3733	I-6
IC3253	E-2
IC3731	I-5
Q3701	F-4
Q3731	J-4

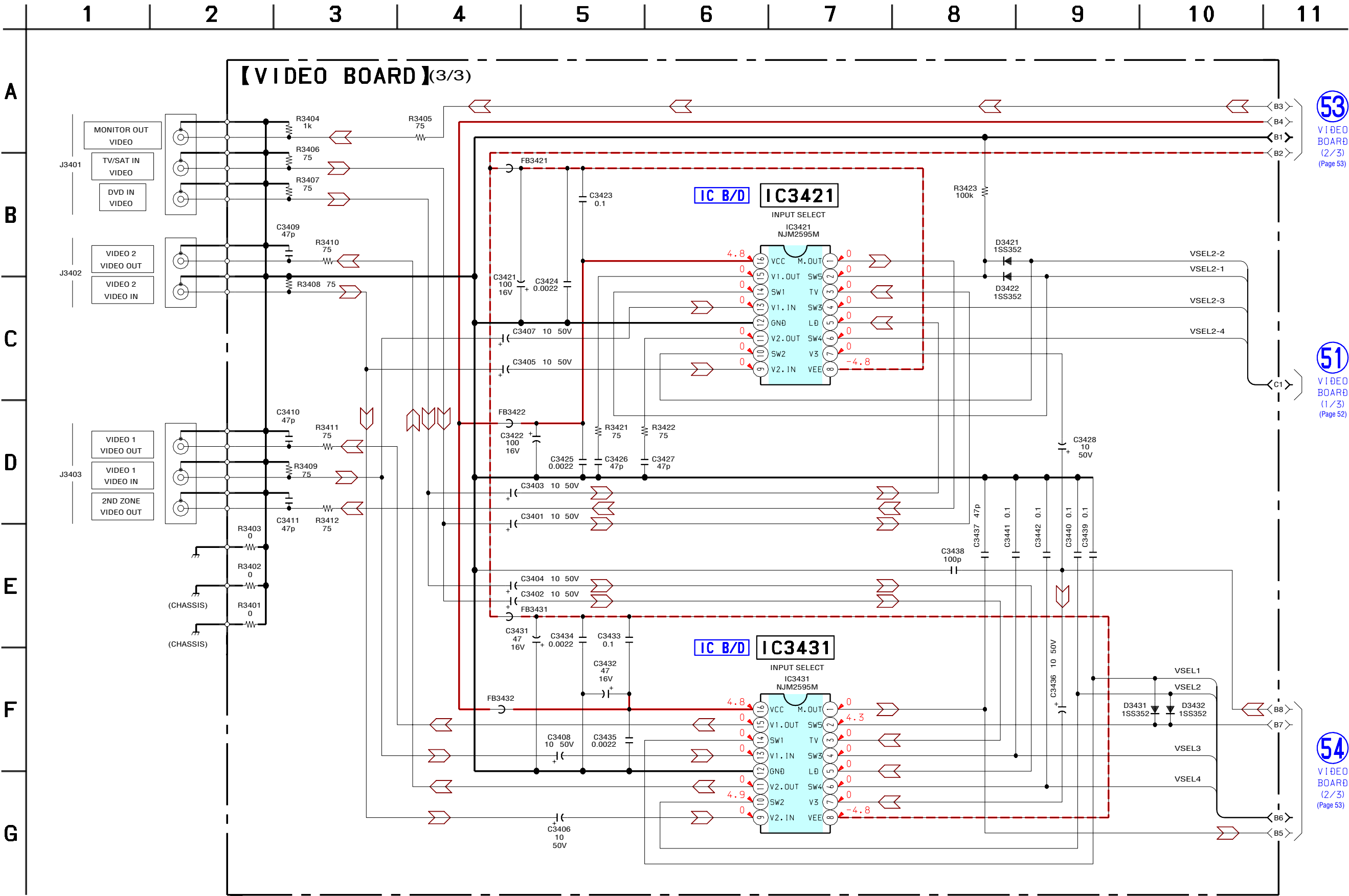
6-37. SCHEMATIC DIAGRAM – VIDEO BOARD (1/3) – • See page 67 for Waveforms. • See page 71, 72, 73 for IC Block Diagrams.



6-38. SCHEMATIC DIAGRAM – VIDEO BOARD (2/3) – • See page 67 for Waveforms. • See page 72 for IC Block Diagrams.



6-39. SCHEMATIC DIAGRAM – VIDEO BOARD (3/3) – • See page 73 for IC Block Diagrams.

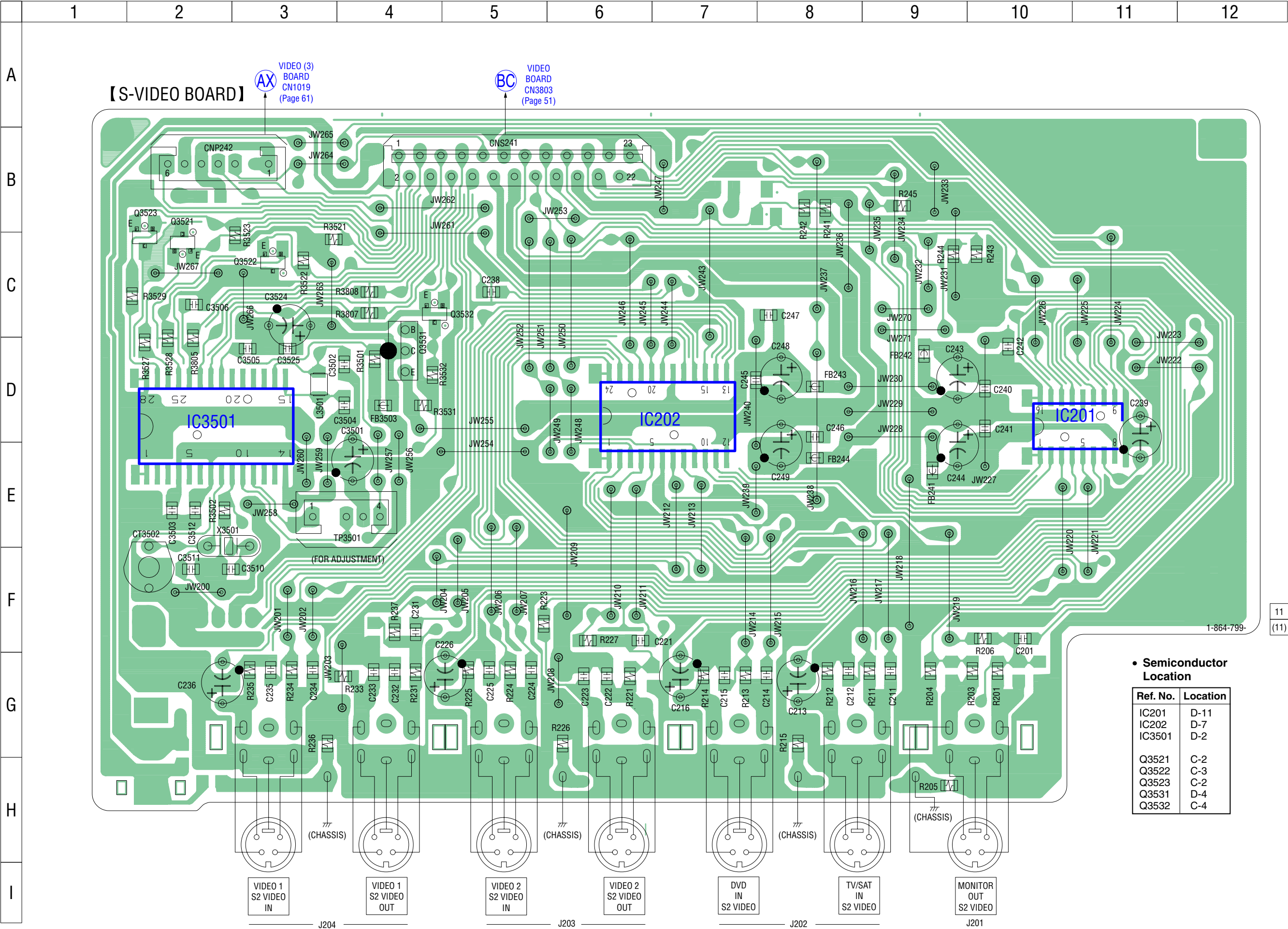


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VIDEO BOARD
(2/3)
(Page 53)

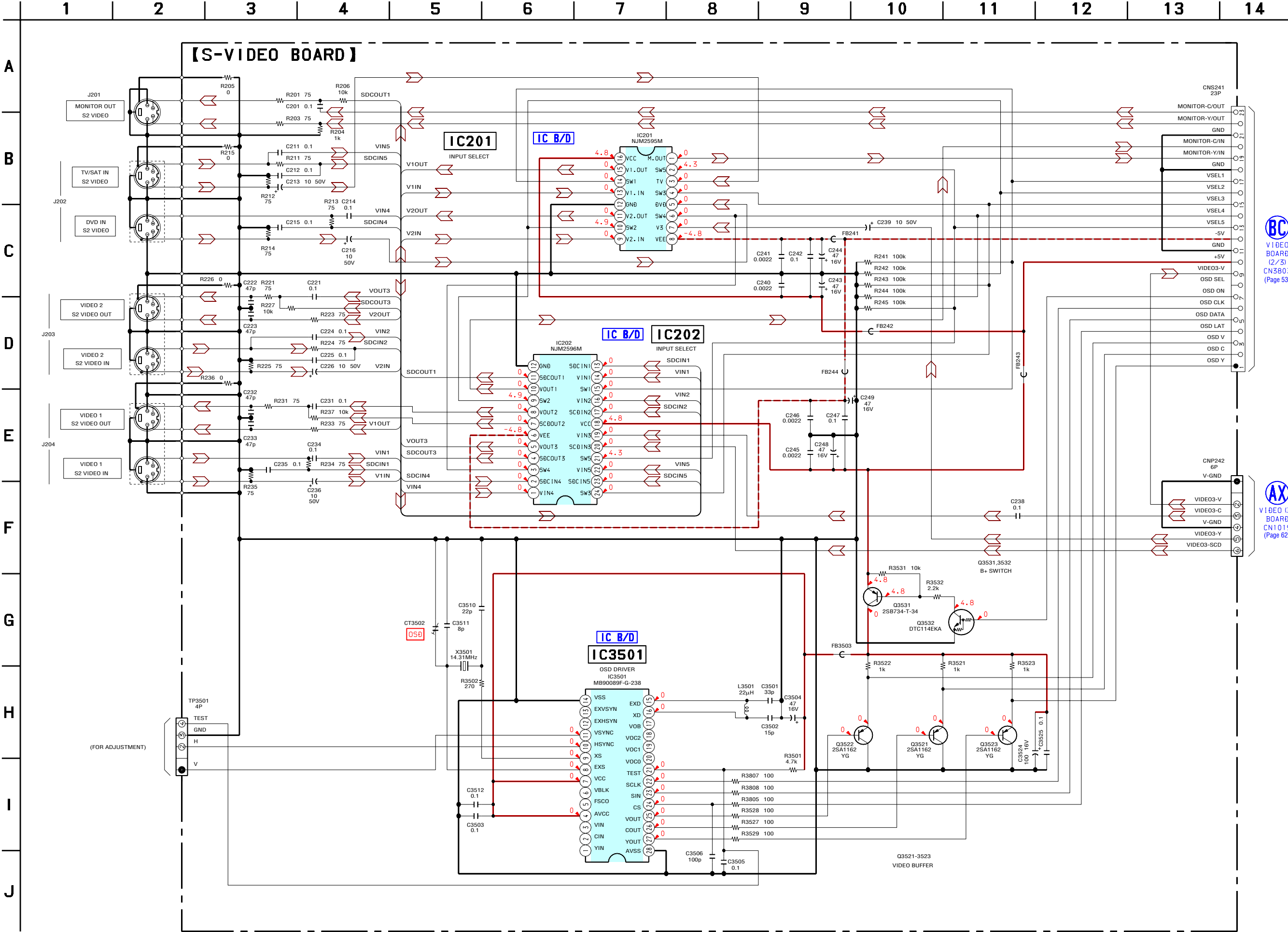
51
VIDEO BOARD
(1/3)
(Page 52)

54
VIDEO BOARD
(2/3)
(Page 53)

6-40. PRINTED WIRING BOARD – S-VIDEO BOARD – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



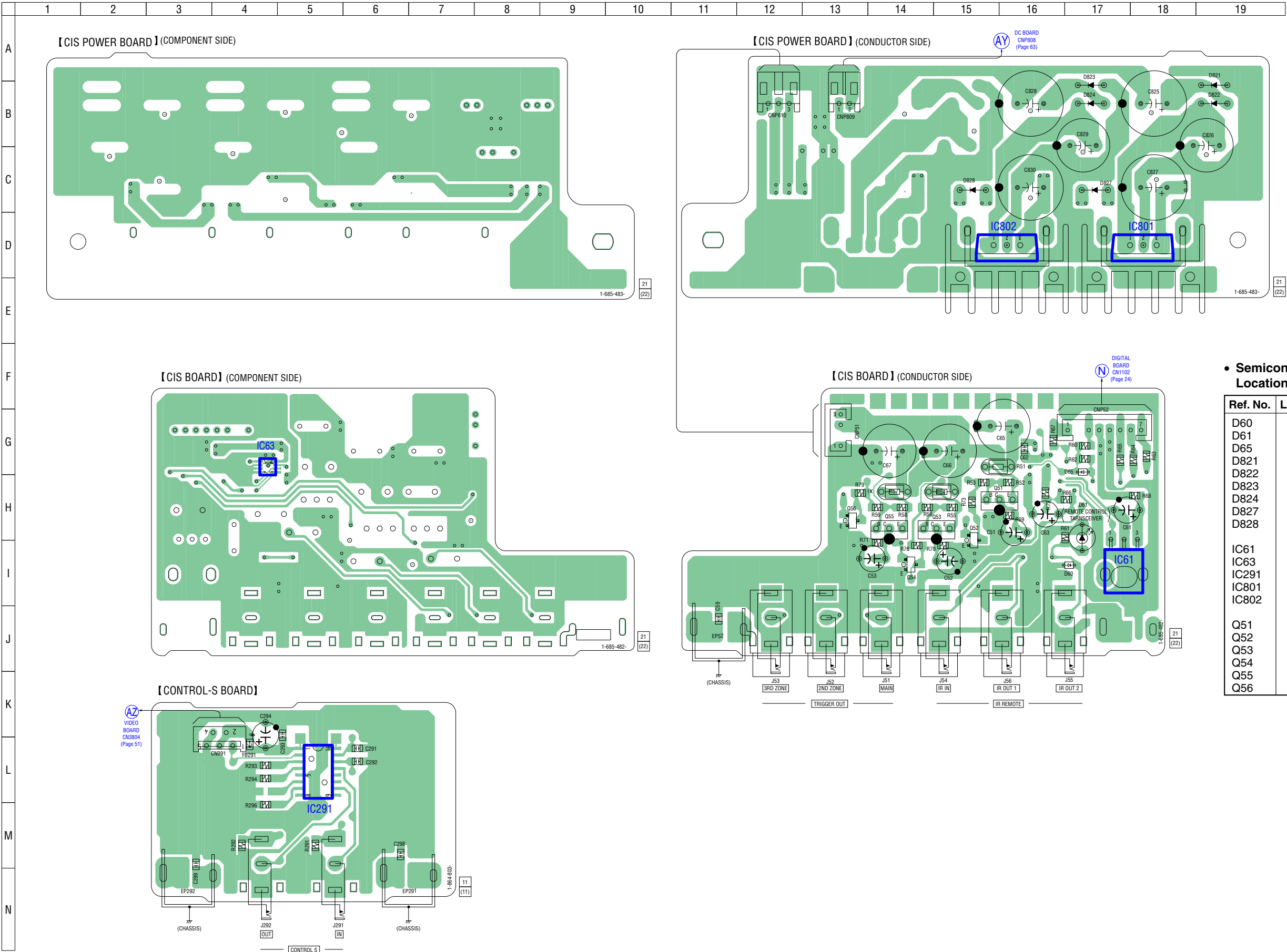
6-41. SCHEMATIC DIAGRAM – S-VIDEO BOARD – • See page 74, 75 for IC Block Diagrams.



BC
VIDEO
BOARD
(2/3)
CN3803
(Page 53)

AX
VIDEO (3)
BOARD
CN1019
(Page 62)

6-42. PRINTED WIRING BOARD – CIS BOARD – • See page 22 for Circuit Boards Location. : Uses unleaded solder.



• Semiconductor Location

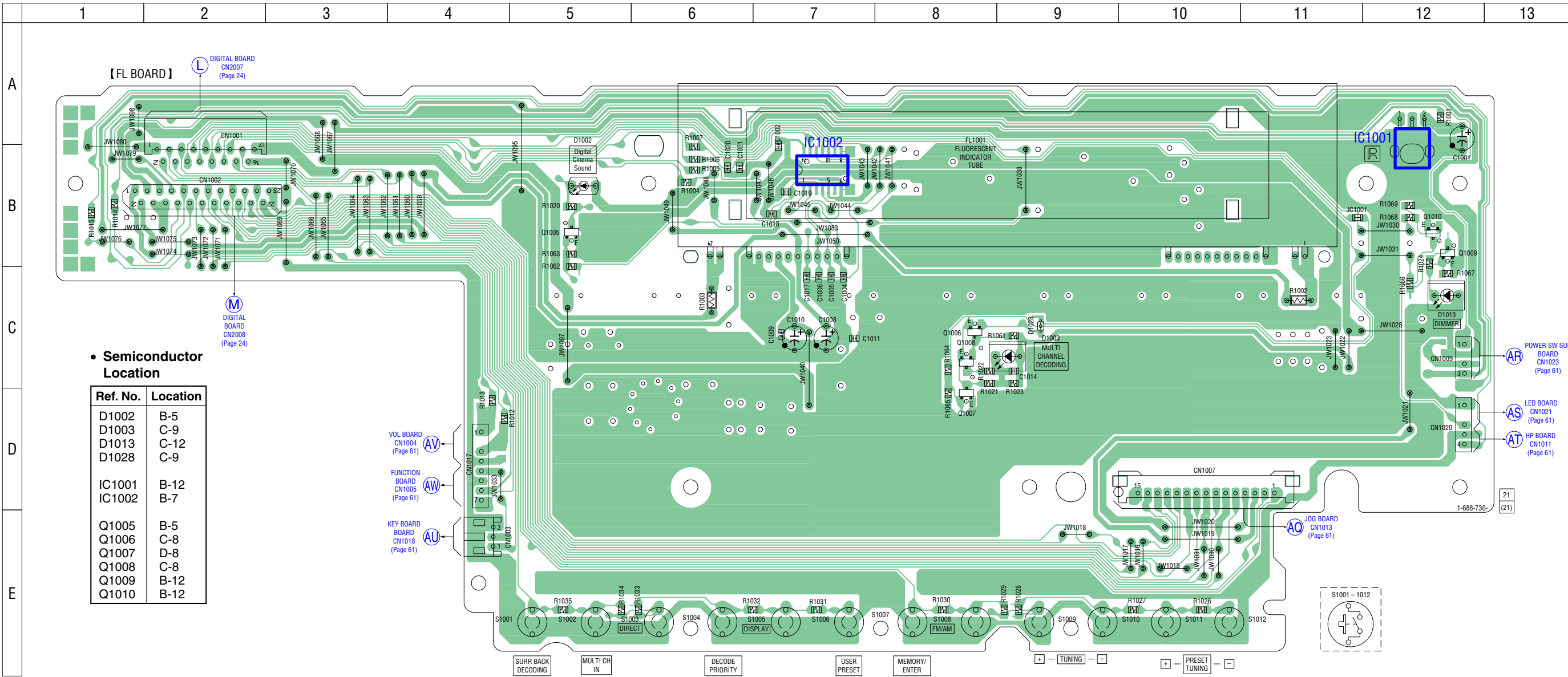
Ref. No.	Location
D60	I-17
D61	H-17
D65	G-17
D821	B-19
D822	B-19
D823	B-17
D824	B-17
D827	C-17
D828	C-15
IC61	I-17
IC63	G-4
IC291	L-5
IC801	D-18
IC802	D-16
Q51	H-16
Q52	I-15
Q53	H-15
Q54	I-14
Q55	H-14
Q56	H-13

58

N
DIGITAL
BOARD
(1/8)
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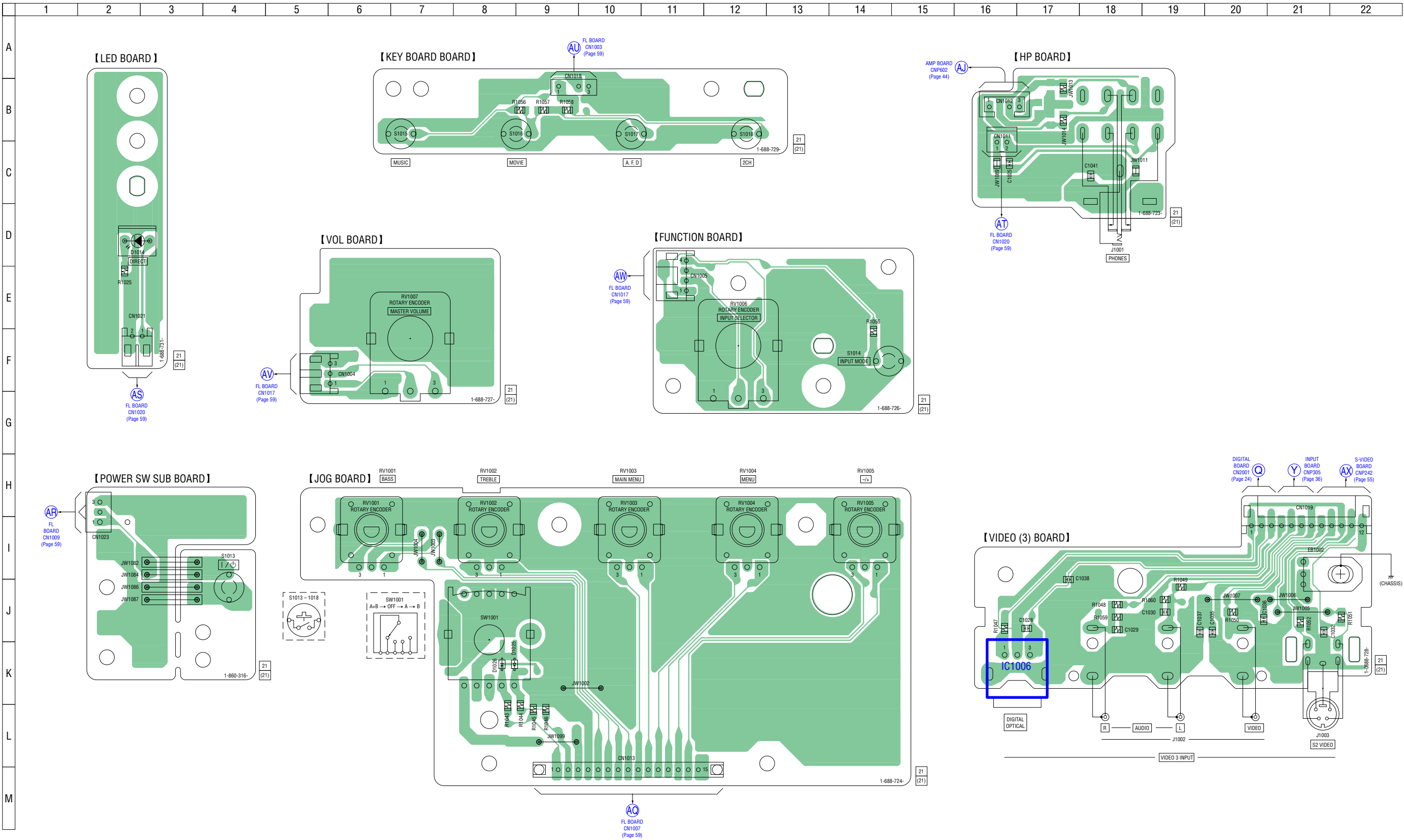
6-44. PRINTED WIRING BOARD – FL BOARD – • See page 22 for Circuit Boards Location. : Uses unleaded solder.



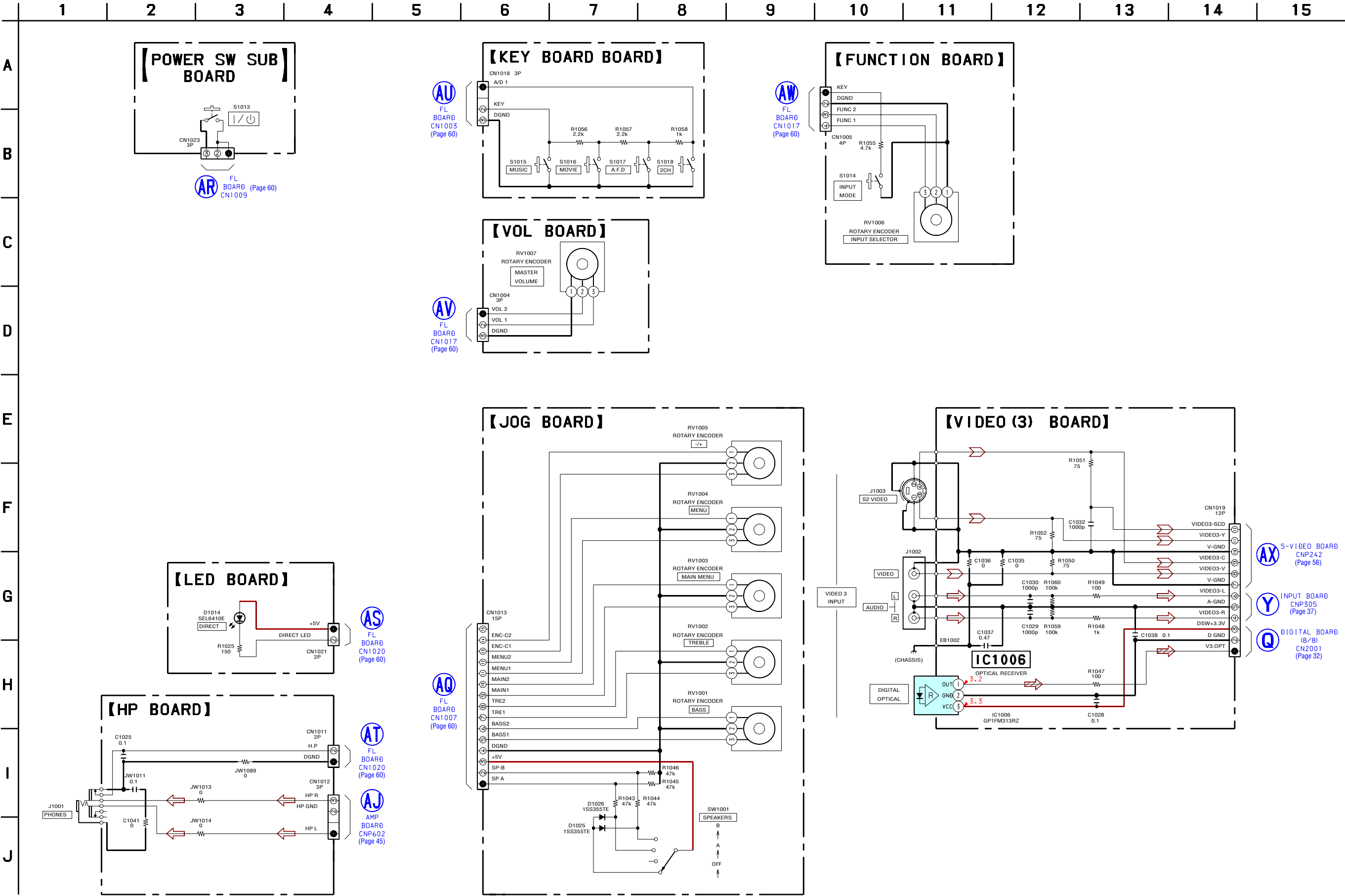
STR-DA3100ES



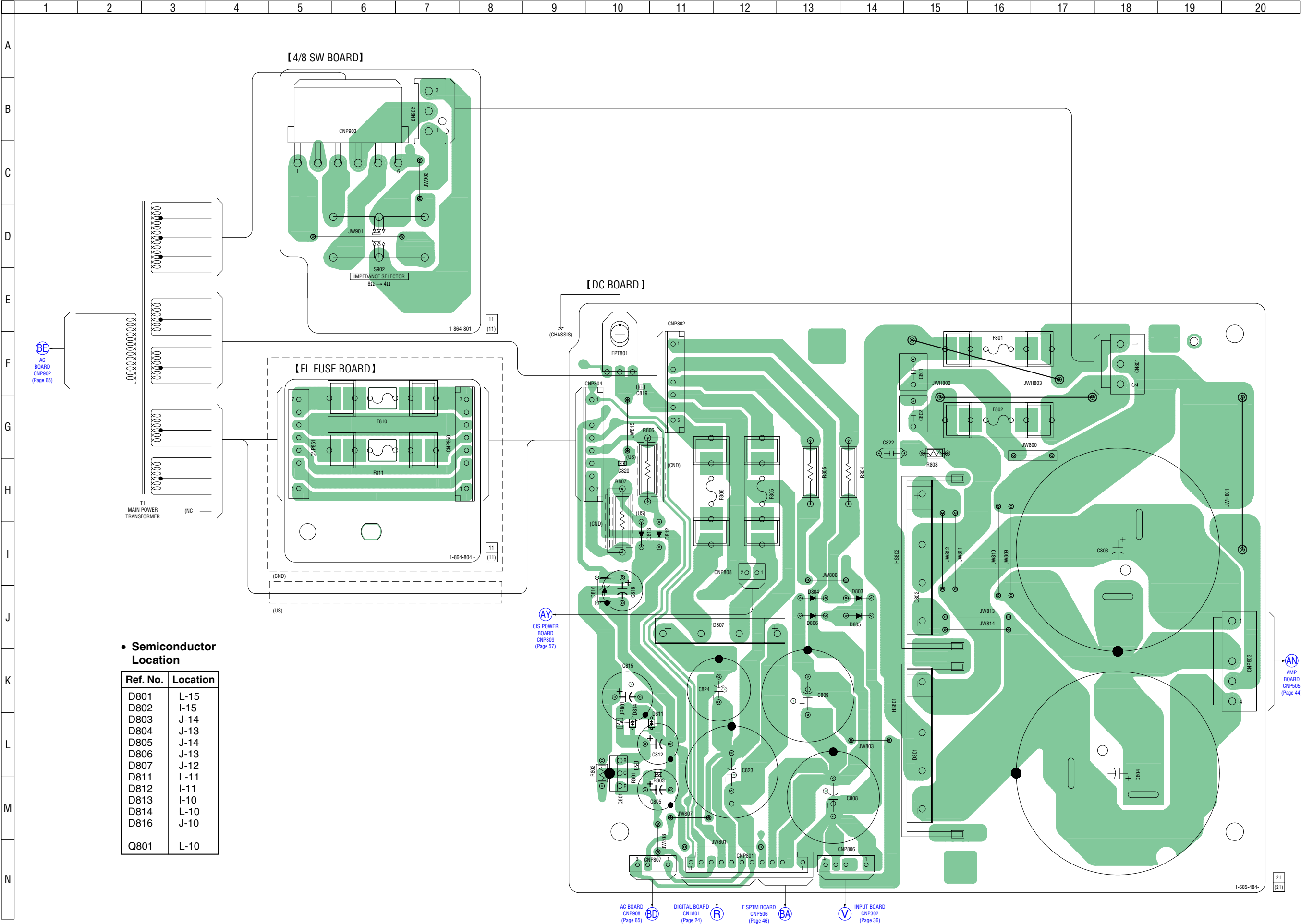
6-46. PRINTED WIRING BOARD – PANEL BOARD – • See page 22 for Circuit Boards Location. : Uses unleaded solder.



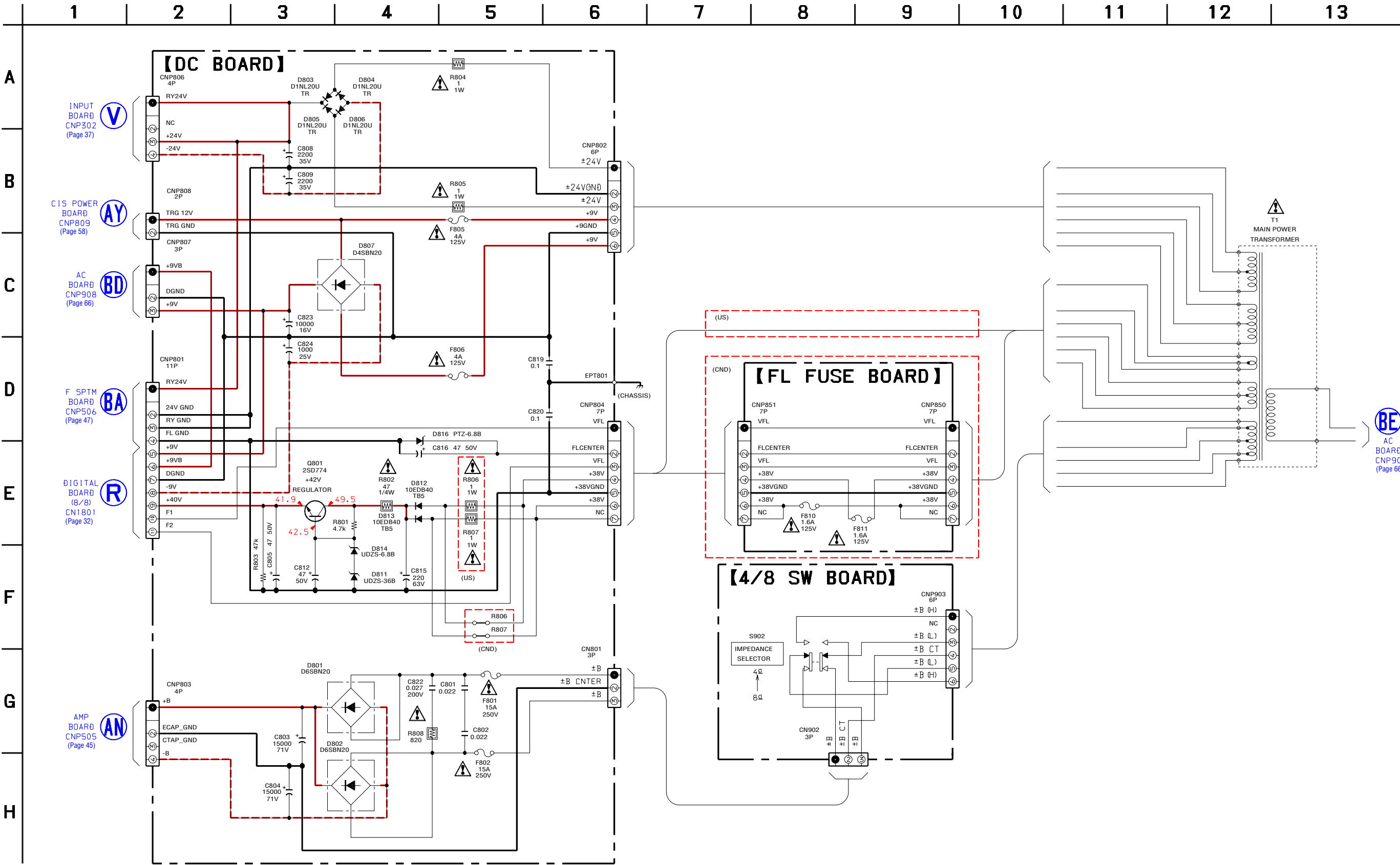
6-47. SCHEMATIC DIAGRAM – PANEL BOARD –



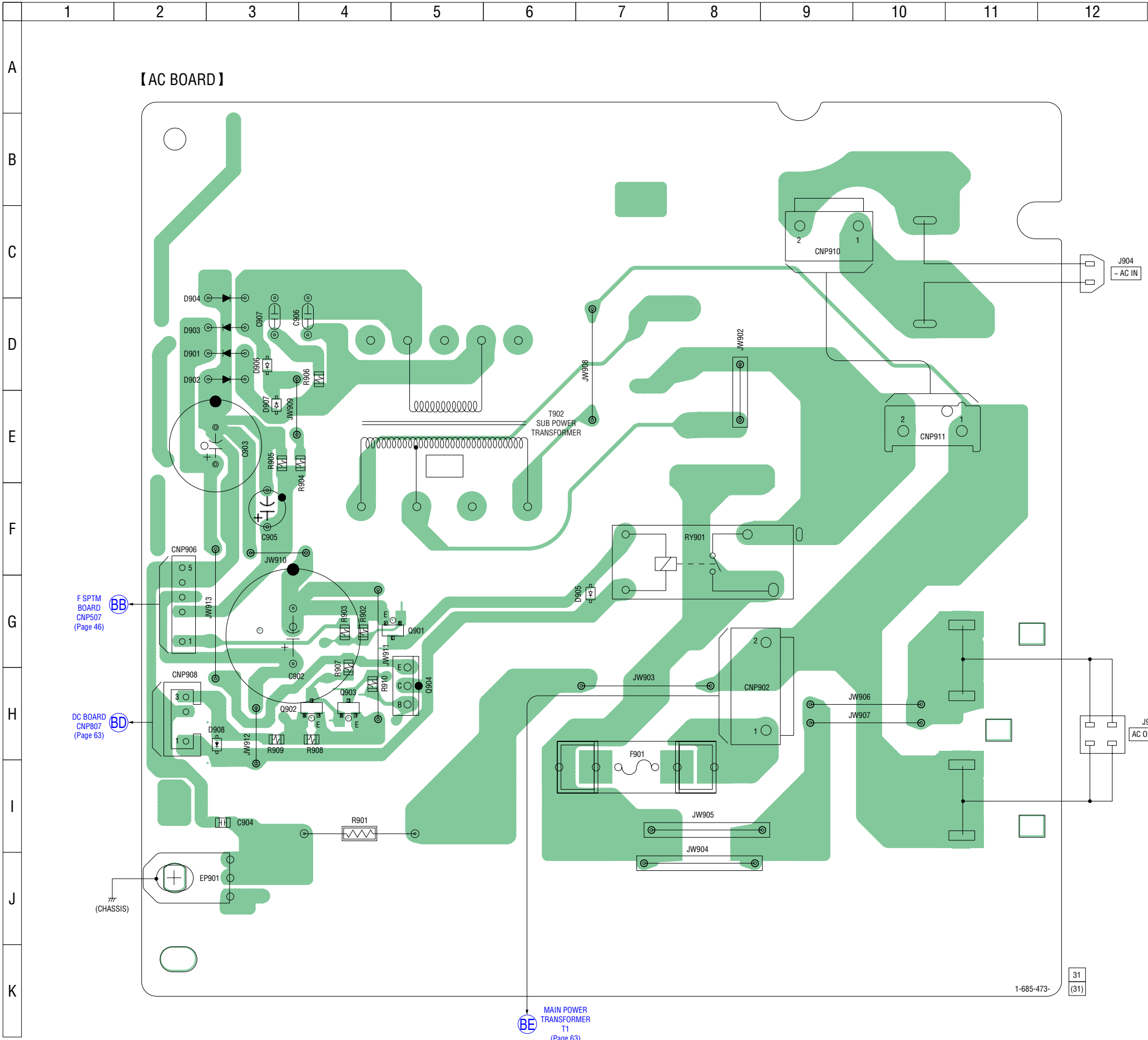
6-48. PRINTED WIRING BOARD – DC BOARD – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



6-49. SCHEMATIC DIAGRAM – DC BOARD –



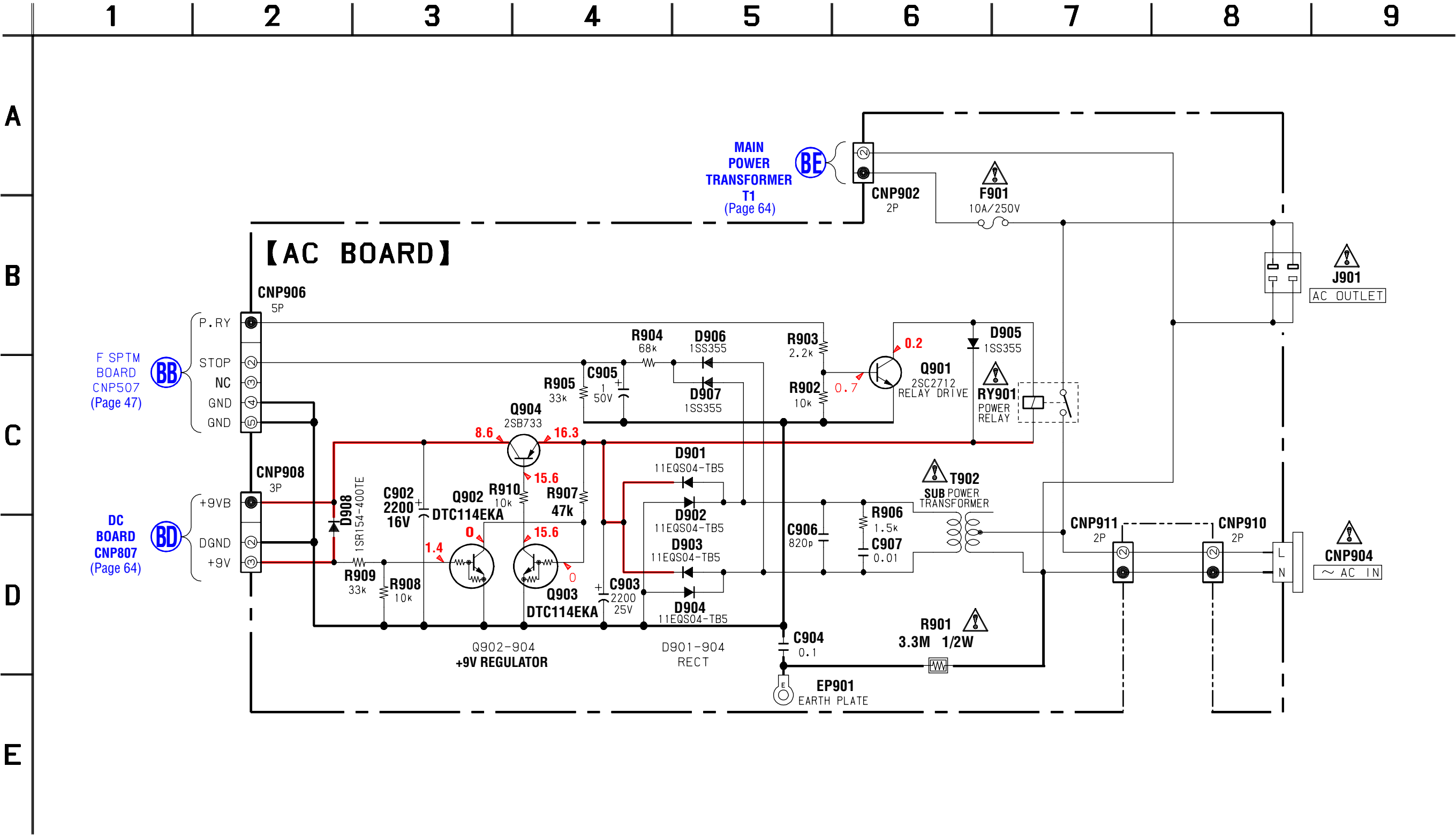
6-50. PRINTED WIRING BOARD – AC BOARD – • See page 22 for Circuit Boards Location.  : Uses unleaded solder.



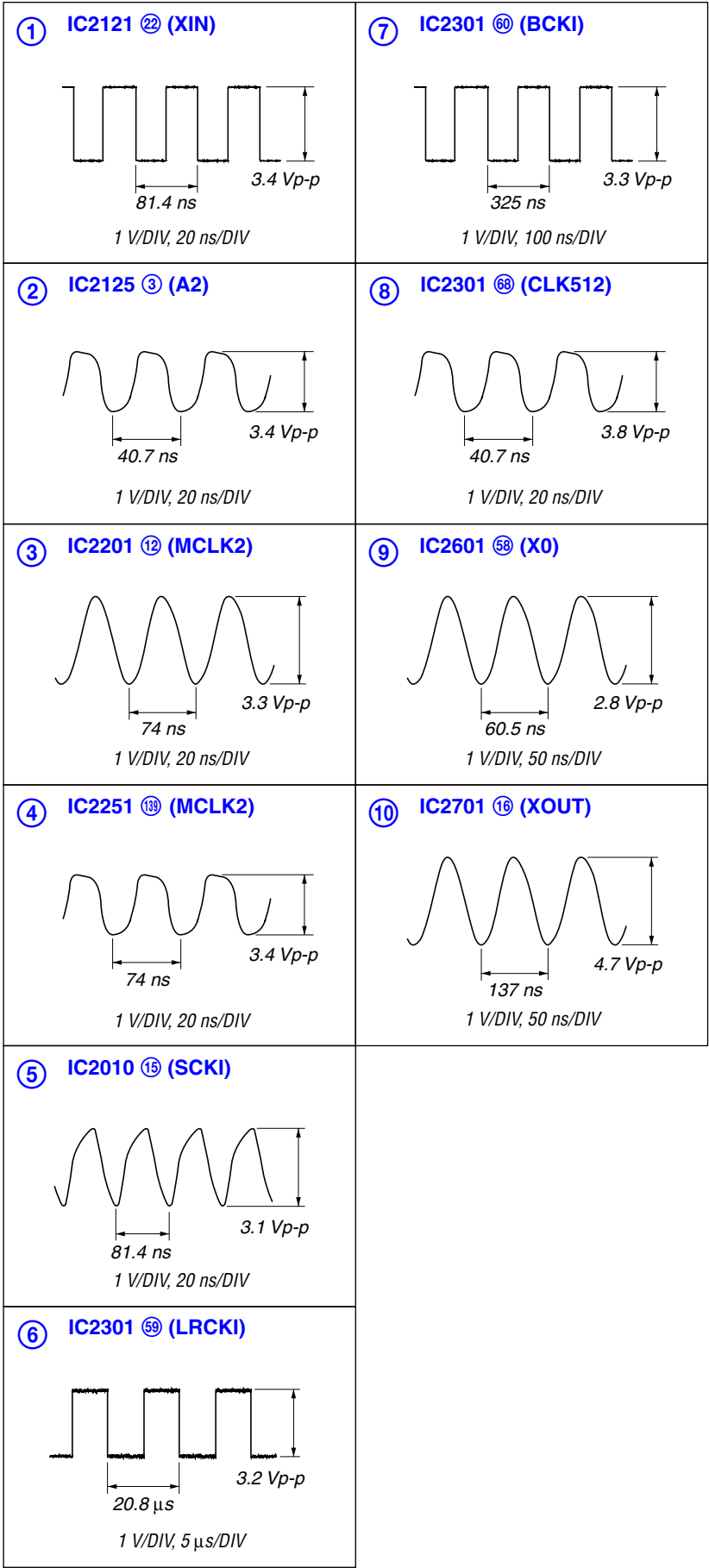
• Semiconductor Location

Ref. No.	Location
D901	D-3
D902	D-3
D903	D-3
D904	D-3
D905	G-7
D906	D-3
D907	E-3
D908	H-3
Q901	G-5
Q902	H-4
Q903	H-4
Q904	H-5

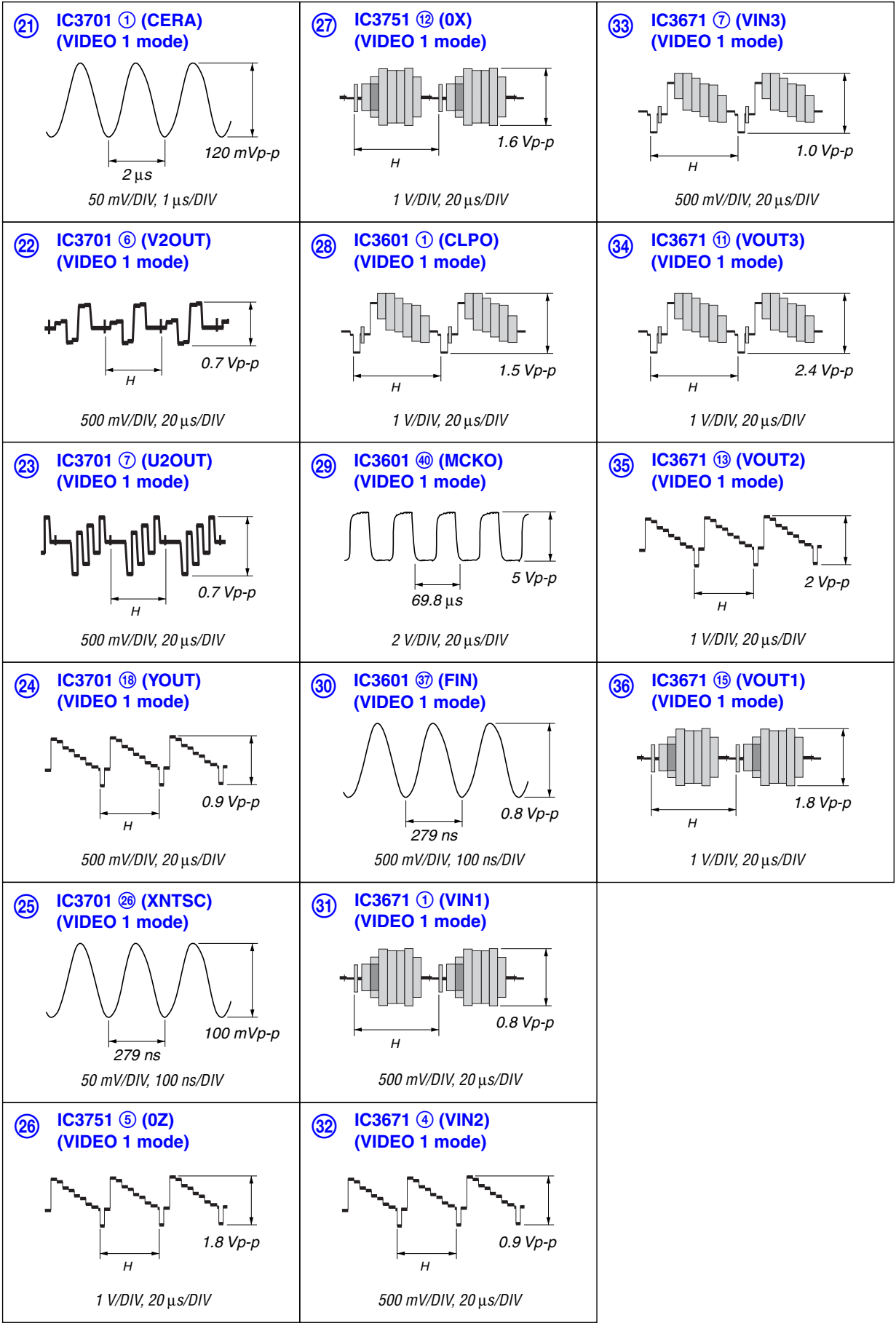
6-51. SCHEMATIC DIAGRAM BOARD – AC BOARD –



• Waveforms
– DIGITAL Board –

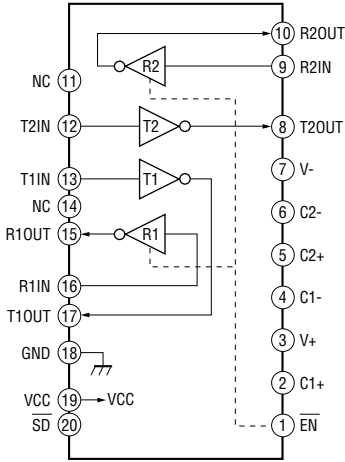


– VIDEO Board –

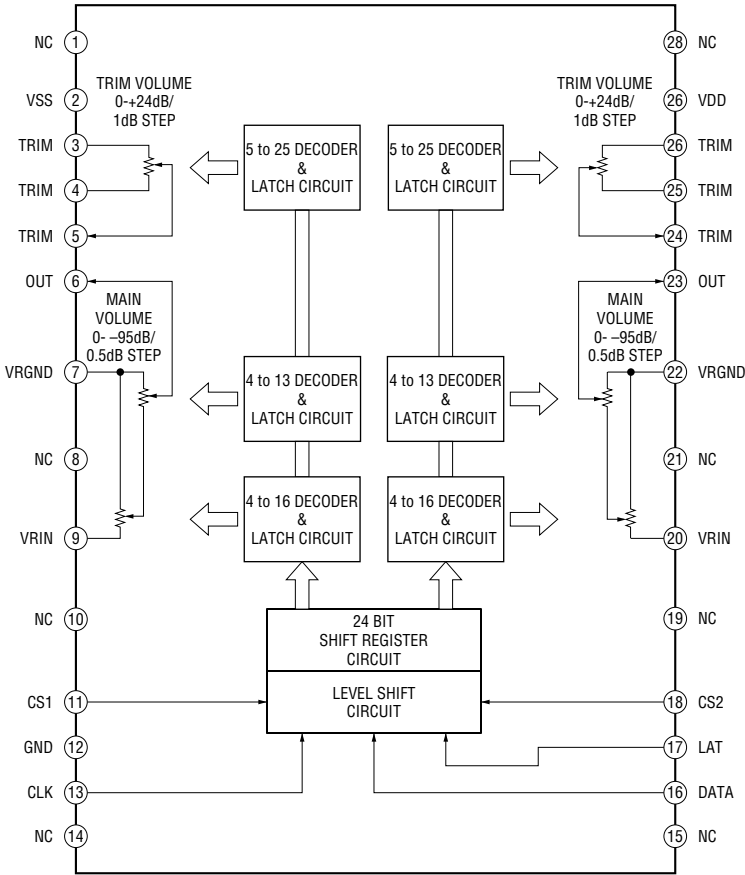


- IC Block Diagrams
- E-VOL Board –

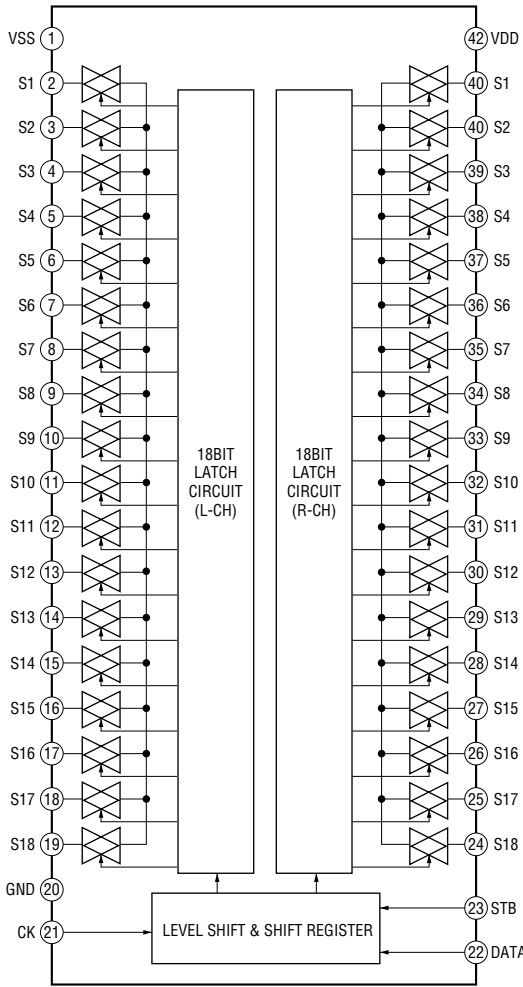
IC401 ADM3222ARU-REEL



IC403-406 CXD9725M

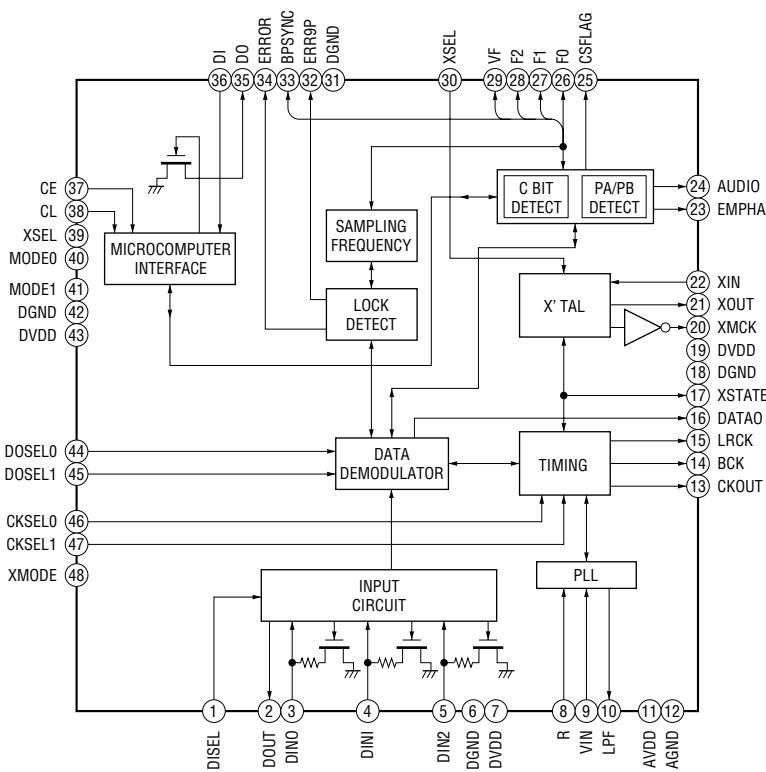


IC402 TC9274N-016

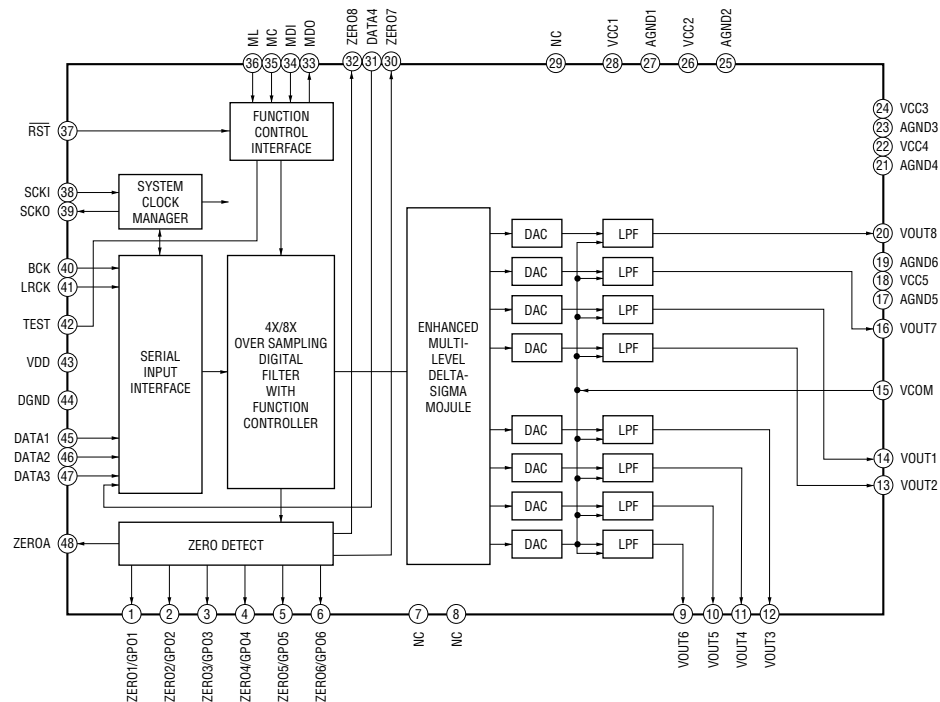


– DIGITAL Board –

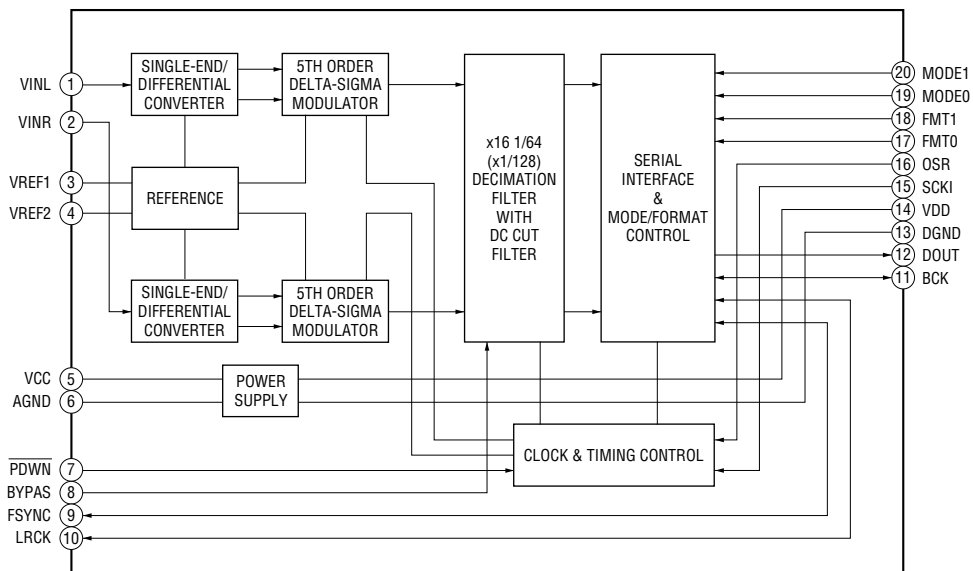
IC2121 LC89056W-E



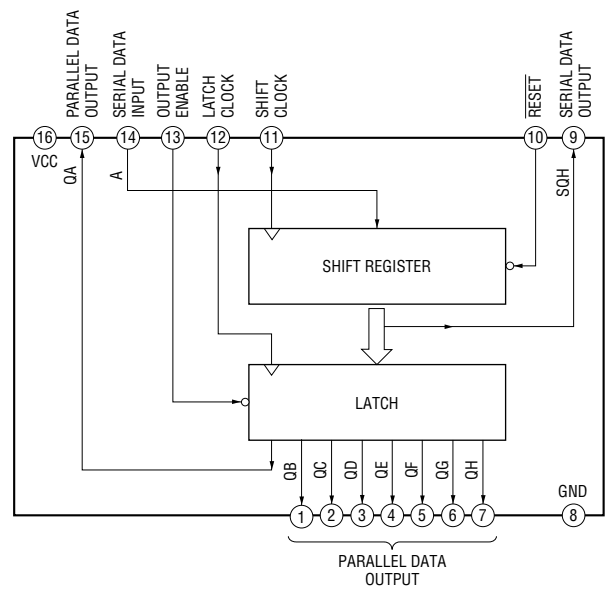
IC2401 PCM1609KPTR



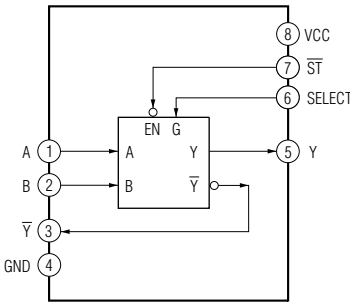
IC2010 PCM1802DBR



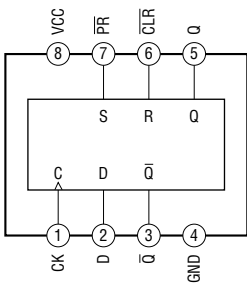
IC2811,2812 SN74HC595ANS



IC2123 TC7WH157FU(TE12R)
IC2207 TC7WH157FU(TE12R)

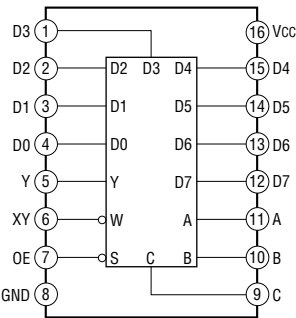


IC2124 TC7WH74FU(TE12R)
IC2392 TC7WH74FU(TE12R)

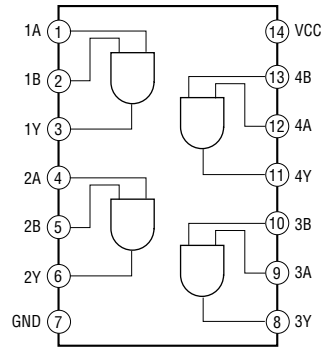


– DIGITAL-IN Board –

IC1907 TC74HC151AF(EL)

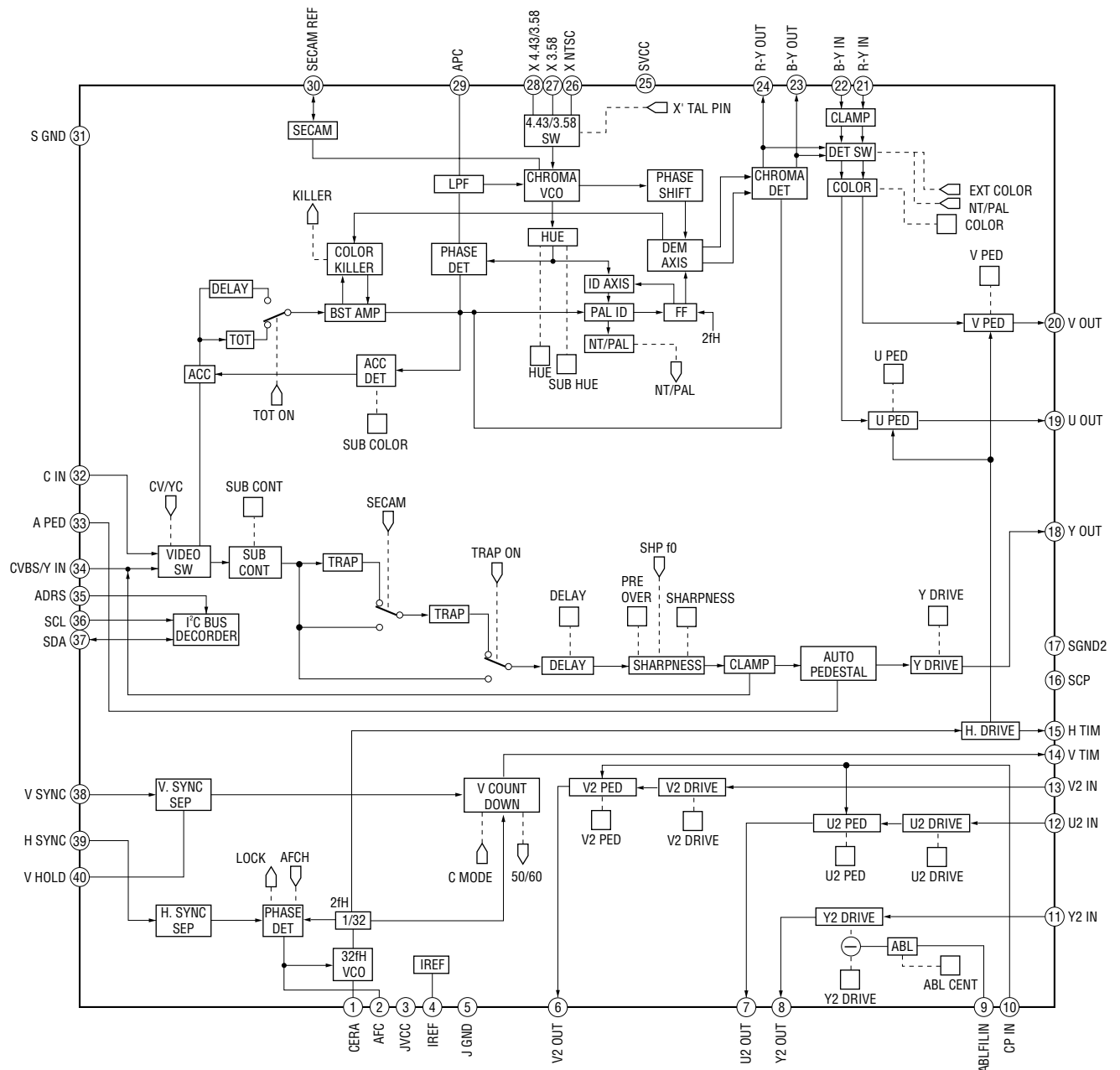


IC1908 TC7WH08FU(TE12R)

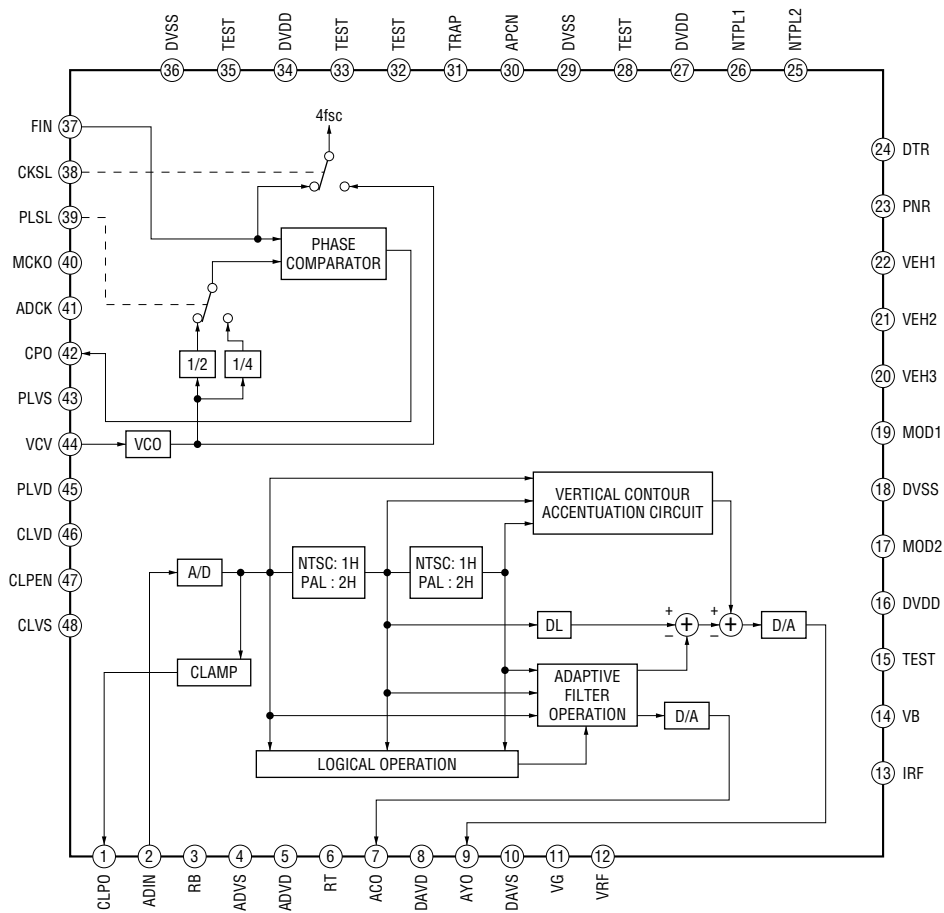


– VIDEO Board –

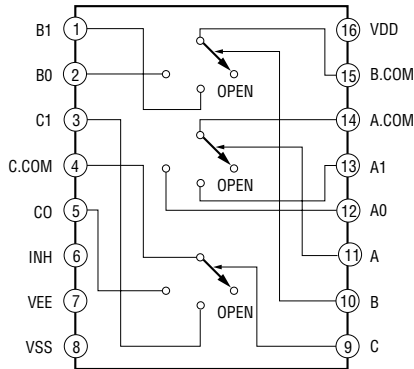
IC3701 CXA2199Q



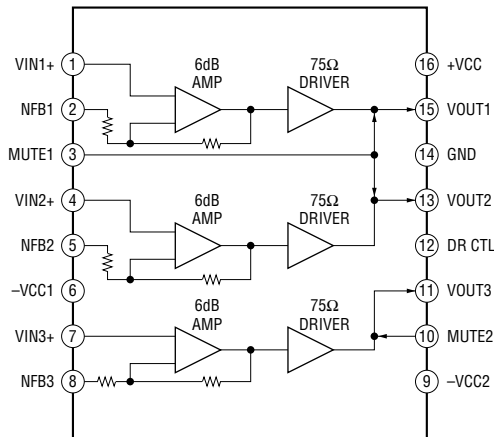
IC3601 CXD2064Q



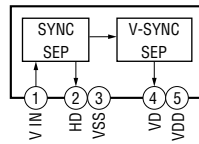
IC3651 HD14053BFP
IC3751 HD14053BFP



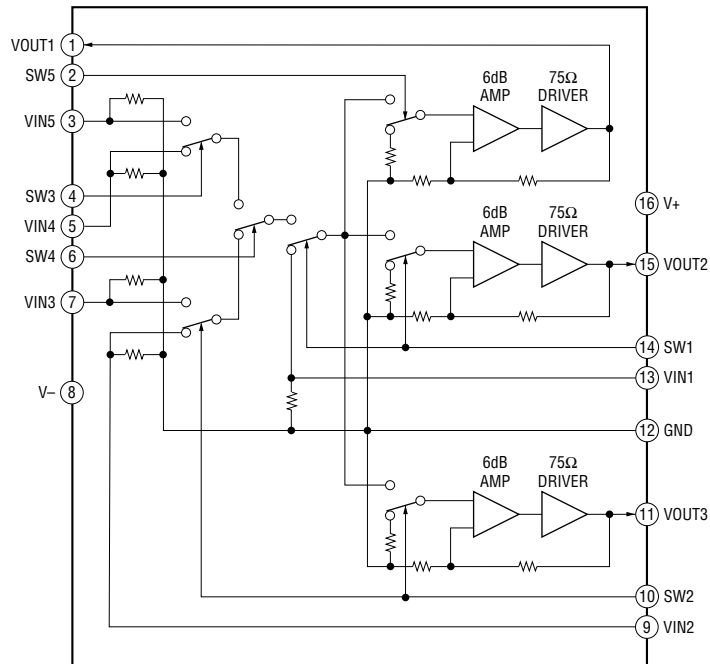
IC3321 LA7106M-TLM
IC3671 LA7106M-TLM



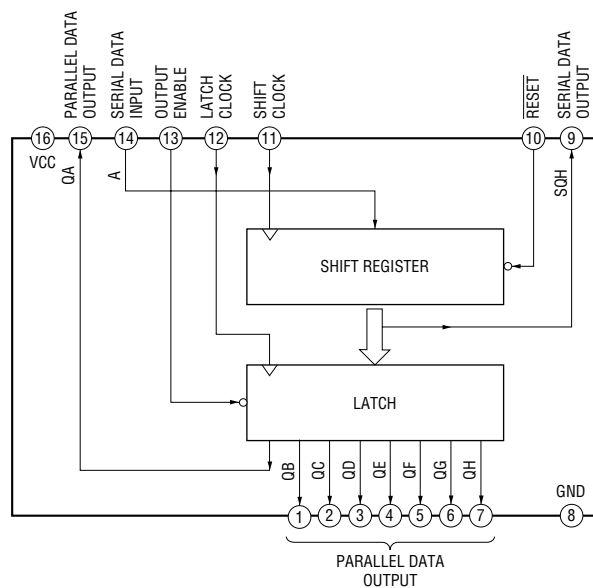
IC3253 LA7213
IC3731 LA7213



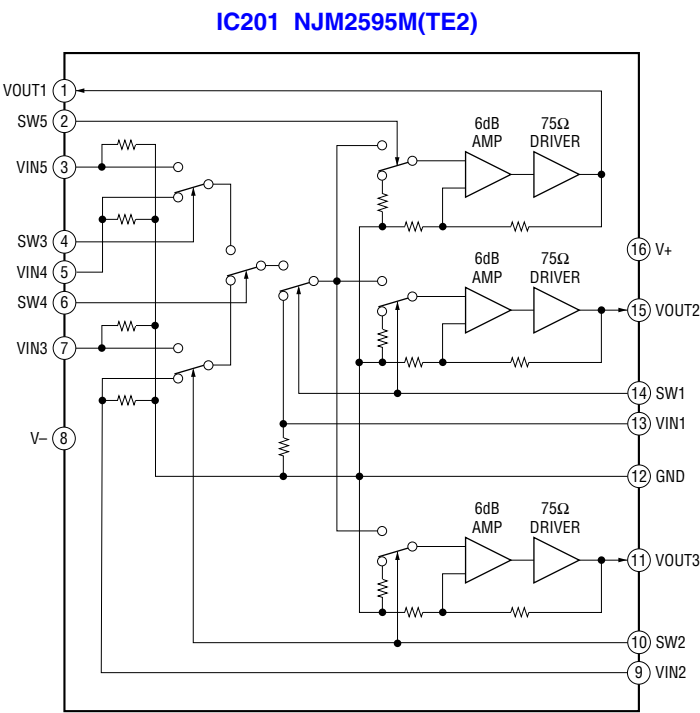
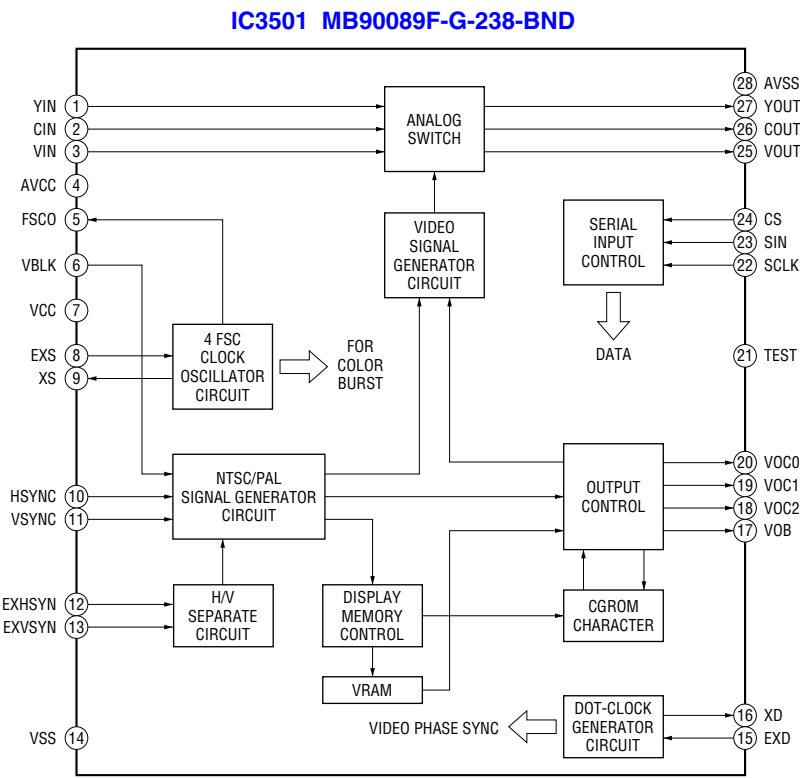
IC3421, 3431 NJM2595M(TE2)



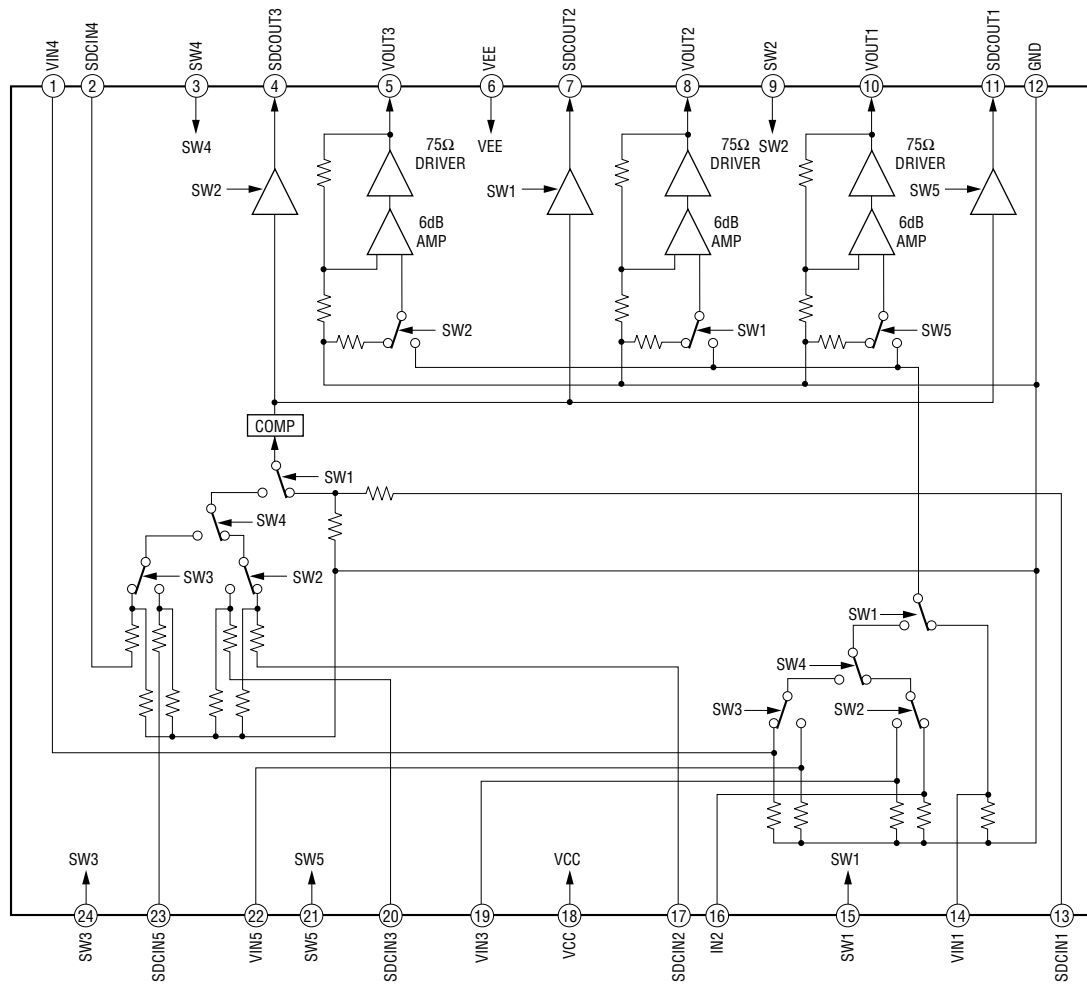
IC3812, 3813 SN74HC595ANS



– S-VIDEO Board –

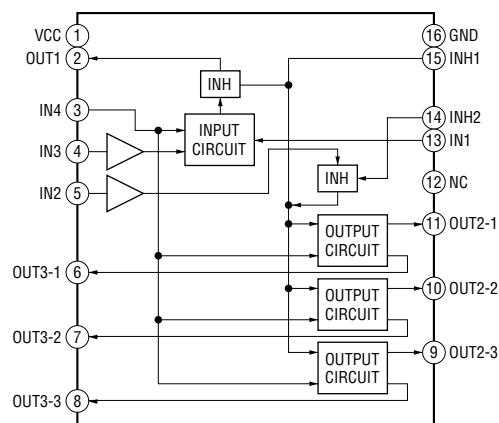


IC202 NJM2596M(TE2)



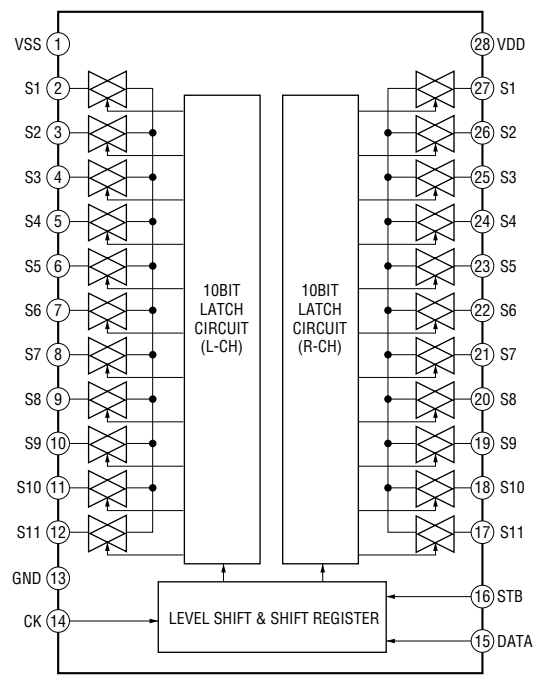
– CONTROL-S Board –

IC291 NJM2145M(TE2)

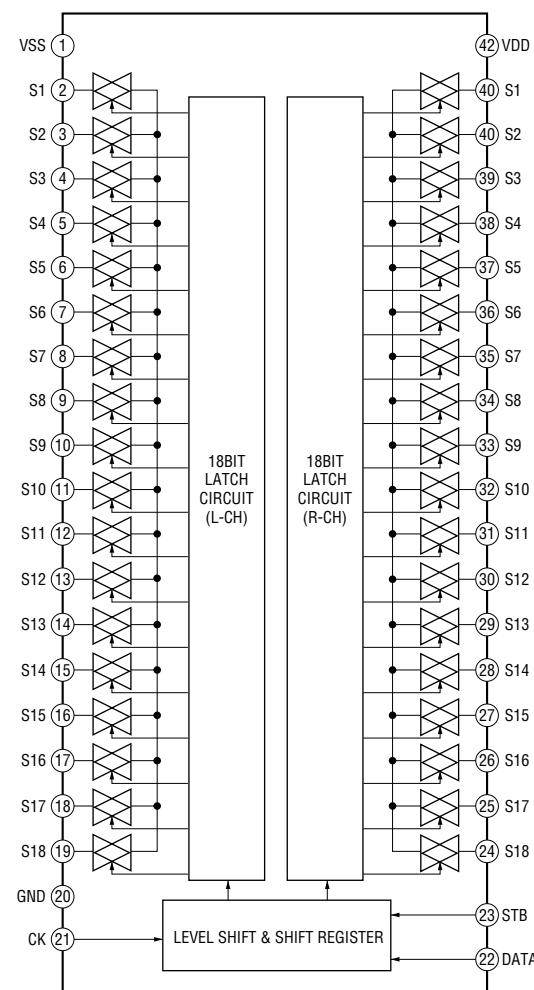


– INPUT Board –

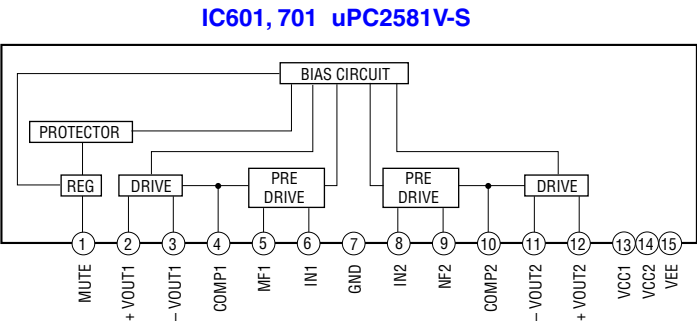
IC304 TC9273-013



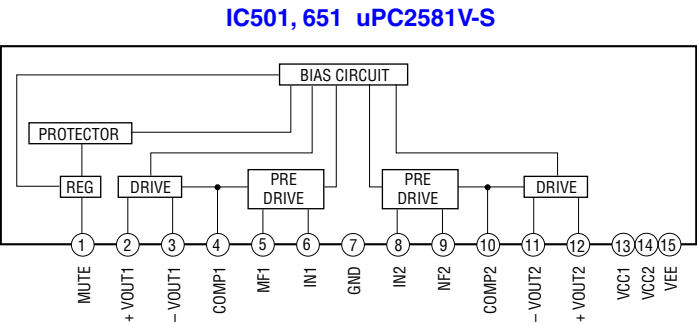
IC302, 303 TC9274N-015



– A-CLASS Board –



– AMP Board –



• IC Pin Function Description

DIGITAL BOARD IC2201 CXD9718Q (DSP1)

Pin No.	Pin Name	I/O	Description
1	VSS	–	Ground terminal
2	XRST	I	System reset signal input from the main system controller “L”: reset
3	EXTIN	I	Master clock signal input terminal Not used
4	FS2	I	Sampling frequency selection signal input terminal Not used
5	VDDI	–	Power supply terminal (+2.6V)
6	FS1	I	Sampling frequency selection signal input terminal Not used
7	PLOCK	O	Internal PLL lock signal output terminal Not used
8	VSS	–	Ground terminal
9	MCLK1	I	System clock input terminal (13.5 MHz)
10	VDDI	–	Power supply terminal (+2.6V)
11	VSS	–	Ground terminal
12	MCLK2	O	System clock output terminal (13.5 MHz)
13	MS	I	Master/slave setting terminal “L”: internal clock, “H”: external clock Fixed at “L” in this set
14	SCKOUT	O	Internal system clock output terminal Not used
15	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the digital audio interface receiver
16	VDDE	–	Power supply terminal (+3.3V)
17	BCKI1	I	Bit clock signal (2.8224 MHz) input from the digital audio interface receiver
18	SDI1	I	Audio serial data input from the A/D converter
19	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the DSP2
20	BCKO	O	Bit clock signal (2.8224 MHz) output to the DSP2
21	VSS	–	Ground terminal
22	KFSIO	I	Audio clock signal input terminal
23 to 26	SDO1 to SDO4	O	Audio serial data output to the DSP2
27	SPDIF	O	SPDIF signal output terminal Not used
28	LRCKI2	I	L/R sampling clock signal (44.1 kHz) input from the digital audio interface receiver
29	BCKI2	I	Bit clock signal (2.8224 MHz) input from the digital audio interface receiver
30	SDI2	I	Audio serial data input from the digital audio interface receiver
31	VSS	–	Ground terminal
32	HACN	O	Acknowledge signal output to the main system controller
33	HDIN	I	Serial data input from the main system controller
34	HCLK	I	Serial data transfer clock signal input from the main system controller
35	HDOUT	O	Serial data output to the main system controller
36	HCS	I	Chip select input from the main system controller
37	SDCLK	I	Write signal input terminal Not used
38	CLKEN	O	SD-RAM chip enable output terminal Not used
39	RAS	O	Row address strobe signal output terminal Not used
40	VDDI	–	Power supply terminal (+2.6V)
41	VSS	–	Ground terminal
42	CAS	O	Column address strobe signal output terminal Not used
43	DQM/OE0	O	Output terminal of data input/output mask Not used
44	CS0	O	Chip select signal output to the S-RAM
45	WE0	O	Write enable signal output to the S-RAM
46	VDDE	–	Power supply terminal (+3.3V)
47	WMD1	I	External memory wait mode setting terminal Fixed at “H” in this set
48	VSS	–	Ground terminal
49	WMD0	I	External memory wait mode setting terminal Fixed at “H” in this set
50	PAGE2	O	External memory page selection signal output terminal Not used

Pin No.	Pin Name	I/O	Description
51	VSS	–	Ground terminal
52, 53	PAGE1, PAGE0	O	External memory page selection signal output terminal Not used
54	BOOT	I	Boot mode control signal input terminal Not used
55	BTACT	O	Boot mode state display signal output terminal Not used
56	BST	I	Boot strap signal input from the main system controller
57	MOD1	I	Operation mode setting terminal “L”: enhanced mode, “H”: normal mode Fixed at “H” in this set
58	MOD0	I	Operation mode setting terminal “L”: single chip mode, “H”: can not use Fixed at “L” in this set
59	EXLOCK	I	PLL lock error signal and data error flag input from the digital audio interface receiver
60	VDDI	–	Power supply terminal (+2.6V)
61	VSS	–	Ground terminal
62 to 66	A17 to A13	O	Address signal output terminal Not used
67	GP10	O	Not used
68	GP9	O	Read ready signal output to the main system controller
69	GP8	I	PCM audio data input from the digital audio interface receiver
70	VDDI	–	Power supply terminal (+2.6V)
71	VSS	–	Ground terminal
72 to 75	D15 to D12	I/O	Two-way data bus terminal Not used
76	VDDE	–	Power supply terminal (+3.3V)
77 to 80	D11 to D8	I/O	Two-way data bus terminal Not used
81	VSS	–	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output terminal Not used
86	TDO	O	Simplicity emulation data output terminal Not used
87	TMS	I	Simplicity emulation data input start and end terminal Not used
88	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
89	TCK	I	Simplicity emulation clock signal input terminal Not used
90	TDI	I	Simplicity emulation data input terminal Not used
91	VSS	–	Ground terminal
92 to 97	A8 to A3	O	Address signal output terminal Not used
98, 99	D7, D6	I/O	Two-way data bus terminal Not used
100	VDDI	–	Power supply terminal (+2.6V)
101	VSS	–	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus terminal Not used
106	VDDE	–	Power supply terminal (+3.3V)
107 108	D1, D0	I/O	Two-way data bus terminal Not used
109, 110	A2, A1	O	Address signal output terminal Not used
111	VSS	–	Ground terminal
112	A0	O	Address signal output terminal Not used
113	PM	I	PLL initialize signal input from the main system controller
114, 115	SDI3, SDI4	I	Audio serial data input terminal Not used
116	SYNC	I	Sync/non-sync setting terminal “L”: sync, “H”: non-sync Fixed at “H” in this set
117 to 119	VSS	–	Ground terminal
120	VDDI	–	Power supply terminal (+2.6V)

DIGITAL BOARD IC2251 CXD9782R (DSP2)

Pin No.	Pin Name	I/O	Description
1	VDDI	–	Power supply terminal (+2.6V)
2	EXTIN	I	Master clock signal input terminal Not used
3, 4	WMD1, WMD0	I	External memory wait mode setting terminal Fixed at “H” in this set
5	MOD1	I	Operation mode setting terminal “L”: enhanced mode, “H”: normal mode Fixed at “H” in this set
6	MOD0	I	Operation mode setting terminal “L”: single chip mode, “H”: can not use Fixed at “L” in this set
7	VSS	–	Ground terminal
8	XRST	I	System reset signal input from the main system controller “L”: reset
9	VSS	–	Ground terminal
10	SCKOUT	O	Internal serial clock signal output terminal Not used
11	VDDI (PLL)	–	Power supply terminal (+2.6V) (for PLL)
12	SYNC	I	Sync/non-sync setting terminal “L”: sync, “H”: non-sync Fixed at “H” in this set
13 to 15	PAGE2 to PAGE0	O	External memory page selection signal output terminal Not used
16	PLOCK	O	Internal PLL lock signal output terminal Not used
17	BTACK	O	Boot mode state display signal output terminal Not used
18	VDDE	–	Power supply terminal (+3.3V)
19	VSS	–	Ground terminal
20 to 22	D31 to D29	I/O	Two-way data bus with the S-RAM
23	A17	O	Address signal output terminal Not used
24	VSS	–	Ground terminal
25, 26	SDO3, SDO4	O	Audio serial data output to the lip sync adjust
27, 28	SDI1, SDI2	I	Audio serial data input from the DSP1
29	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the DSP1
30	VSS	–	Ground terminal
31, 32	D28, D27	I/O	Two-way data bus with the S-RAM
33	A16	O	Address signal output terminal Not used
34	A15	O	Address signal output to the S-RAM
35	SDI3	I	Audio serial data input from the DSP1
36	L2	–	Not used
37	VDDI	–	Power supply terminal (+2.6V)
38	BCKI1	I	Bit clock signal (2.8224 MHz) input from the DSP1
39	SDI4	I	Audio serial data input from the DSP1
40	MS	I	Master/slave setting terminal “L”: internal clock, “H”: external clock Fixed at “L” in this set
41, 42	A14, A13	O	Address signal output to the S-RAM
43, 44	D26, D25	I/O	Two-way data bus with the S-RAM
45	VSS	–	Ground terminal
46	BCKI2	I	Bit clock signal (2.8224 MHz) input terminal Not used
47, 48	FS2, FS1	I	Sampling frequency selection signal input terminal Not used
49	SPDIF	I	SPDIF signal input terminal Not used
50	A12	O	Address signal output to the S-RAM
51 to 53	D24 to D22	I/O	Two-way data bus with the S-RAM
54	VDDE	–	Power supply terminal (+3.3V)
55	VSS	–	Ground terminal
56 to 58	D21 to D19	I/O	Two-way data bus with the S-RAM
59	A11	O	Address signal output to the S-RAM
60, 61	SDO1, SDO2	O	Audio serial data output to the lip sync adjust
62	KFSIO	I	Audio clock signal input terminal

Pin No.	Pin Name	I/O	Description
63	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the lip sync adjust
64	BCKO	O	Bit clock signal (2.8224 MHz) output to the lip sync adjust
65	VDDI	–	Power supply terminal (+2.6V)
66	VSS	–	Ground terminal
67, 68	D18, D17	I/O	Two-way data bus with the S-RAM
69, 70	A10, A9	O	Address signal output to the S-RAM
71	CAS	O	Column address strobe signal output terminal Not used
72	RAS	O	Row address strobe signal output terminal Not used
73	VDDI	–	Power supply terminal (+2.6V)
74	HDIN	I	Serial data input from the main system controller
75	HCLK	I	Serial data transfer clock signal input from the main system controller
76	HCS	I	Chip select signal input from the main system controller
77, 78	A8, A7	O	Address signal output to the S-RAM
79, 80	D16, D15	I/O	Two-way data bus with the S-RAM
81	VSS	–	Ground terminal
82	HDOUT	O	Serial data output to the main system controller
83	HACN	O	Acknowledge signal output to the main system controller
84	CS0	O	Chip select signal output to the S-RAM
85	WE0	O	Write enable signal output to the S-RAM
86	A6	O	Address signal output to the S-RAM
87 to 89	D14 to D12	I/O	Two-way data bus with the S-RAM
90	VDDE	–	Power supply terminal (+3.3V)
91	VSS	–	Ground terminal
92 to 94	D11 to D9	I/O	Two-way data bus with the S-RAM
95	A5	O	Address signal output to the S-RAM
96	VDDI	–	Power supply terminal (+2.6V)
97	TCK	I	Simplicity emulation clock signal input terminal Not used
98	TDI	I	Simplicity emulation data input terminal Not used
99	TDO	O	Simplicity emulation data output terminal Not used
100	TMS	I	Simplicity emulation data input start and end select Not used
101	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
102	VSS	–	Ground terminal
103, 104	D8, D7	I/O	Two-way data bus with the S-RAM
105, 106	A4, A3	O	Address signal output to the S-RAM
107, 108	GP10, GP9	O	Not used
109	VDDI	–	Power supply terminal (+2.6V)
110	GP8	O	Not used
111	GP7	I	L/R sampling clock signal (44.1 kHz) input terminal
112	GP6	O	Not used
113, 114	A2, A1	O	Address signal output to the S-RAM
115, 116	D6, D5	I/O	Two-way data bus with the S-RAM
117	VSS	–	Ground terminal
118, 119	GP5, GP4	O	Not used
120	GP3	O	Error signal output to the main system controller
121	NC	–	Not used
122	A0	O	Address signal output terminal Not used
123 to 125	D4 to D2	I/O	Two-way data bus with the S-RAM
126	VDDE	–	Power supply terminal (+3.3V)
127	VSS	–	Ground terminal
128, 129	D1, D0	I/O	Two-way data bus with the S-RAM

Pin No.	Pin Name	I/O	Description
130 to 132	GP2 to GP0	O	Not used
133	SDCLK	O	SD-RAM clock signal output terminal Not used
134	CLKEN	O	SD-RAM chip enable output terminal Not used
135	DQM	O	Output terminal of data input/output mask Not used
136	EXLOCK	I	Lock signal input from the main system controller
137	VDDI	–	Power supply terminal (+2.6V)
138	VSS	–	Ground terminal
139	MCLK2	O	System clock output terminal (13.5 MHz)
140	PM	I	PLL initialize signal input from the main system controller
141	BST	I	Boot strap signal input from the main system controller
142	BOOT	I	Boot mode control signal input terminal Not used
143	TST	I	Not used
144	MCLK1	I	System clock input terminal (13.5 MHz)

DIGITAL BOARD IC2301 CXD9722TQ (LIP SYNC ADJUST)

Pin No.	Pin Name	I/O	Description
1 to 5	D1 to D5	I/O	Two-way data bus with the SD-RAM
6	VDD	–	Power supply terminal (+3.3V)
7, 8	D6, D7	I/O	Two-way data bus with the SD-RAM
9	VSS	–	Ground terminal
10	WE	O	Write enable signal output to the SD-RAM
11	CAS	O	Column address strobe signal output to the SD-RAM
12	RAS	O	Row address strobe signal output to the SD-RAM
13	CS	O	Chip select signal output to the SD-RAM
14	CLK	O	Clock signal output to the SD-RAM
15	CKE	O	Clock enable signal output to the SD-RAM
16	VDD	–	Power supply terminal (+3.3V)
17 to 22	A11, A10, A0 to A3	O	Address signal output to the SD-RAM
23	VSS	–	Ground terminal
24 to 29	A9 to A4	O	Address signal output to the SD-RAM
30	VSS	–	Ground terminal
31	DRSO	O	Surround R-ch data output terminal Not used
32	DLSO	O	Surround L-ch data output terminal Not used
33	DEXRO	O	Not used
34	DLFEO	O	Sub woofer data output terminal Not used
35	DCO	O	Center data output terminal Not used
36	VDD	–	Power supply terminal (+3.3V)
37	DRO	O	Front R-ch data output terminal Not used
38	DLO	O	Front L-ch data output terminal Not used
39	VSS	–	Ground terminal
40	DMRO	O	Data output terminal for R-ch down mix Not used
41	DMLO	O	Data output terminal for L-ch down mix Not used
42	VSS	–	Ground terminal
43	VDD	–	Power supply terminal (+3.3V)
44	DLDRO	O	Surround back audio data output to the D/A converter
45	CSWO	O	Center and sub woofer audio data output to the D/A converter
46	SLSRO	O	Surround audio data output to the D/A converter
47	FLFRO	O	Front audio data output to the D/A converter
48	VSS	–	Ground terminal
49	SPDIFO	O	Digital audio data output terminal Not used
50	TEST1	I	Input terminal for the test
51	TRST	I	Reset signal input from terminal Not used
52	TMS	I	Mode selection signal input terminal Not used
53	TCK	I	Clock signal input terminal Not used
54	TDI	I	Serial data signal input terminal Not used
55	TDO	O	Serial data signal output terminal Not used
56	TEST2	I	Input terminal for the test
57	SPDIFI	I	Digital audio data input terminal Not used
58	VSS	–	Ground terminal
59	LRCKI	I	L/R sampling clock signal (44.1 kHz) input from the DSP2
60	BCKI	I	Bit clock signal (2.8224 MHz) input from the DSP2
61	VDD	–	Power supply terminal (+3.3V)
62	VSS	–	Ground terminal
63	DLDRI	I	Surround back audio data input from the DSP2
64	CSWI	I	Center and sub woofer audio data input from the DSP2

Pin No.	Pin Name	I/O	Description
65	SLSRI	I	Surround audio data input from the DSP2
66	FLFRI	I	Front audio data input from the DSP2
67	TEST3	I	Input terminal for the test
68	CLK512	I	Master clock signal input terminal
69	VSS	–	Ground terminal
70	XRST	I	Reset signal input terminal “L”: reset
71	VDD	–	Power supply terminal (+3.3V)
72	SCLK	I	Serial clock signal input from the main system controller
73	XCS	I	Chip select signal input from the main system controller
74	SI	I	Serial data input from the main system controller
75	SO	O	Serial data output to the main system controller
76	DEXRI	I	Not used
77	DMLI	I	Data input terminal for L-ch down mix Not used
78	DMRI	I	Data input terminal for R-ch down mix Not used
79	VSS	–	Ground terminal
80	PHRI	I	Clock signal input terminal Not used
81	BCKAI	I	Bit clock signal (2.8224 MHz) input terminal Not used
82	DQM	O	Not used
83	DLI	I	Front L-ch data input terminal Not used
84	DRI	I	Front R-ch data input terminal Not used
85	DCI	I	Center data input terminal Not used
86	DLFEI	I	Sub woofer data input terminal Not used
87	DLSI	I	Surround L-ch data input terminal Not used
88	DRSI	I	Surround R-ch data input terminal Not used
89	VSS	–	Ground terminal
90 to 95	D15 to D10	I/O	Two-way data bus with the SD-RAM
96	VDD	–	Power supply terminal (+3.3V)
97, 98	D9, D8	I/O	Two-way data bus with the SD-RAM
99	GND	–	Ground terminal
100	D0	I/O	Two-way data bus with the SD-RAM

DIGITAL BOARD IC2601 MB91F155A-5ES-X101 (MAIN SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DSP HCLK	O	Serial data transfer clock signal output to the DSP1
2	DSP HDIN	O	Serial data output to the DSP1
3	1BST SEL	O	Signal selection signal output terminal “L”: boot strap signal, “H”: L/R sampling clock signal
4	1XRST	O	System reset signal output to the DSP1 “L”: reset
5	1PM	O	PLL initialize signal output to the DSP1
6	1GP9	I	Read ready signal input from the DSP1
7	1BST	O	Boot strap signal output to the DSP1
8	1HCS	O	Chip select signal output to the DSP1
9	VSS	–	Ground terminal
10	1HDOUT	I	Serial data input from the DSP1
11	1HACN	I	Acknowledge signal input from the DSP1
12	2XRST	O	System reset signal output to the DSP2 “L”: reset
13	2PM	O	PLL initialize signal output to the DSP2
14	2GP3	I	Error signal input from the DSP2
15	2BST	O	Boot strap signal output to the DSP2
16	2HCS	O	Chip select signal output to the DSP2
17	2HDOUT	I	Serial data input from the DSP2
18	2HACN	I	Acknowledge signal input from the DSP2
19	2EXLOCK	O	Lock signal output to the DSP2
20	DIR-XMODE	O	System reset signal output to the digital audio interface receiver
21	DIR-CKSEL	O	Clock selection signal output to the digital audio interface receiver
22	NC	–	Not used
23	DIR-CE	O	Chip enable signal output to the digital audio interface receiver
24	DIR-DO	I	Read data input from the digital audio interface receiver
25	DAC MUTE	O	System muting on/off control signal output terminal “H”: muting on
26	VSS	–	Ground terminal
27	VCC	–	Power supply terminal (+3.3V)
28	DIR-ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
29	DIR-DATAO	I	Audio serial data input terminal
30	DIR-XSTATE	I	Source clock selection monitor input from the digital audio interface receiver
31	TA_XCS	O	Chip select signal output to the lip sync adjust
32	TA_SO	I	Serial data input from the lip sync adjust
33	TA_XRST	O	System reset signal output to the lip sync adjust
34	MAIN	O	Trigger out signal output terminal (for MAIN)
35	2ND	O	Trigger out signal output terminal (for 2ND)
36	3RD	O	Trigger out signal output terminal (for 3RD)
37	O595 LAT	O	Serial data latch pulse output to the data decoder
38	O595 OE	O	Output enable signal output to the data decoder
39	DCOM CLK	O	Serial data transfer clock signal output to the digital audio interface receiver, lip sync adjust and D/A converter
40	DCOM DATA	O	Serial data output to the digital audio interface receiver, lip sync adjust and D/A converter
41	COM CLK	O	Serial data transfer clock signal output to the input select, electrical volume, data decoder and tuner unit
42	COM DATA	O	Serial data output to the input select, electrical volume, data decoder and tuner unit
43	V595OE	O	Output enable signal output to the data decoder
44	VSS	–	Ground terminal
45	V595LAT	O	Serial data latch pulse output to the data decoder

Pin No.	Pin Name	I/O	Description
46	FUNCLAT	O	Serial data latch pulse output to the input select and electrical volume
47	O595 CLK	O	Serial data transfer clock signal output to the data decoder
48	VOLLAT	O	Serial data latch pulse output to the electrical volume
49	NC	–	Not used
50	MBUS-STSO	I	M-BUS status input from the sub system controller
51	A1OUT	O	SIRCS signal output for the CONTROL A1II Not used
52	MD2	I	Model destination signal input from the sub system controller
53	MD1	I	Model destination signal input terminal Not used
54	MD0	I	Model destination signal input from the sub system controller
55	RSTX	I	System reset signal input terminal “L”: reset
56	VCC	–	Power supply terminal (+3.3V)
57	X1	O	Main system clock output terminal (16.5 MHz)
58	X0	I	Main system clock input terminal (16.5 MHz)
59	VSS	–	Ground terminal
60	A1IN	I	SIRCS signal input for the CONTROL A1II Not used
61	SIRCS IN	I	SIRCS signal input terminal
62	POWER SW	I	Power key input terminal
63	RDSCLK	–	Not used
64 to 67	MBUS-STSO to MBUS-STSO4	I	M-BUS status input from the sub system controller
68	VCC	–	Power supply terminal (+3.3V)
69	RST TRG	O	Reset signal output terminal
70	END FLAG	O	End flag output to the sub system controller
71	A1-LAT	O	Serial data latch pulse signal output to the sub system controller
72	TUN-LAT	O	Serial data latch pulse signal output to the tuner unit
73	TUNED	I	Tuned detection signal input from the tuner unit
74	STEREO	I	FM stereo detection signal input from the tuner unit
75	TUNDO	I	Serial data input from the tuner unit
76	STOP	I	AC off detection signal input terminal
77	VCC	–	Power supply terminal (+3.3V)
78	NC	–	Not used
79	POWER RY	O	Relay drive signal (for main power) output terminal “H”: relay on
80	PROTECTOR	I	Over load detection signal input terminal
81	O595 DATA	O	Serial data output to the data decoder
82	D.POWER	O	Digital circuit power on/off control signal output terminal
83	V.POWER	O	Video circuit power on/off control signal output terminal
84	DIRECT LED	O	LED drive signal output terminal (for DIRECT)
85	DCS LED	O	LED drive signal output terminal (for Digital Cinema Sound)
86	M CH DEC. LED	O	LED drive signal output terminal (for MULTI CHANNEL DECODING)
87	DIMMER LED	O	LED drive signal output terminal (for DIMMER)
88, 89	FUNCJOG1, FUNCJOG2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)
90, 91	VOLJOG1, VOLJOG2	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME)
92, 93	BASSJOG1, BASSJOG2	I	Jog dial pulse input from the rotary encoder (for BASS)
94	PG3L OSDLAT	O	Serial data latch pulse signal output to the OSD driver
95	PG4L FLLAT	O	Serial data latch pulse output to the fluorescent indicator tube
96	PG5L FLBLK	O	Clear signal output to the fluorescent indicator tube
97	VCC	–	Power supply terminal (+3.3V)

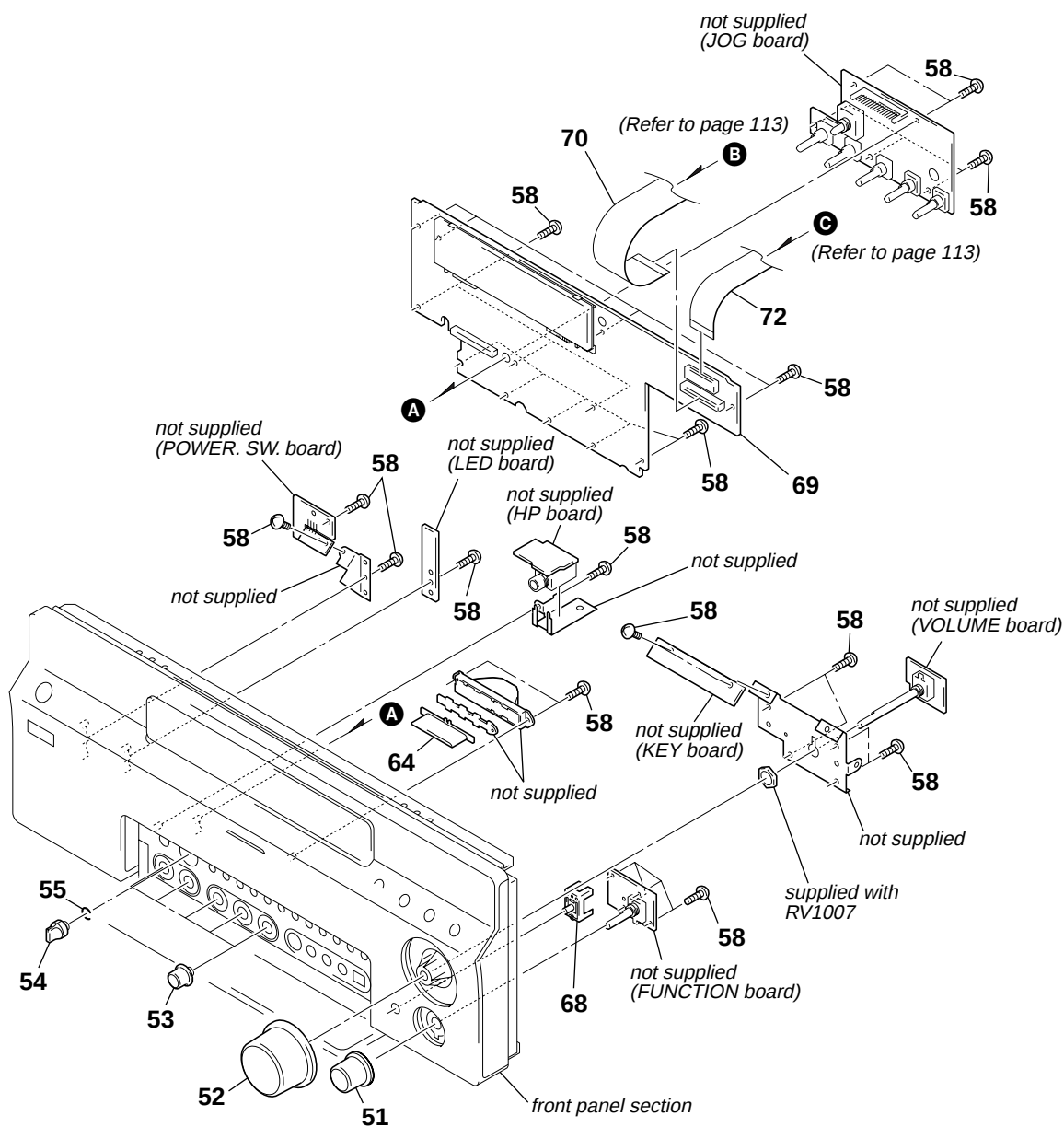
Pin No.	Pin Name	I/O	Description
98	VSS	–	Ground terminal
99	EEP SDA	I/O	Two-way data bus with the EEPROM
100	EEP SCL	O	Serial data transfer clock signal output to the EEPROM
101	VSS	–	Ground terminal
102	OSD-CLK	O	Serial data transfer clock signal output to the OSD driver
103	OSD-DAT	O	Serial data output to the OSD driver
104	RDS DATA	–	Not used
105, 106	TREBJOG1, TREBJOG2	I	Jog dial pulse input from the rotary encoder (for TREBLE)
107	UPCOM DAT	I/O	Two-way data bus with the chroma decoder
108	UPCOM CLK	O	Serial data transfer clock signal output to the chroma decoder
109	SOT1	O	Serial data output to the RS-232C
110	SIN1	I	Serial data input from the RS-232C
111	FLCLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
112	FLDATA	O	Serial data output to the fluorescent indicator tube
113	DAC LAT	O	Serial data latch pulse signal output to the D/A converter
114	AD/AD RST	O	System reset signal output to the D/A converter and A/D converter
115	DAC LAT	I	Serial data input from the D/A converter
116, 117	SP-A, SP-B	I	Front speaker selection switch input terminal
118, 119	MENU JOG1, MENU JOG2	I	Jog dial pulse input from the rotary encoder (for MENU)
120, 121	MAIN MENU JOG1, MAIN MENU JOG2	I	Jog dial pulse input from the rotary encoder (for MAIN MENU)
122	VCC	–	Power supply terminal (+3.3V)
123	SUB VOL LAT	O	Serial data latch pulse signal output terminal Not used
124	AC MUTE	O	Muting on/off control signal output terminal Not used
125	DATA FEINT	–	Not used
126	DAVS	–	Ground terminal (for D/A converter)
127	DAVC	–	Power supply terminal (+3.3V) (for D/A converter)
128	AVCC	–	Power supply terminal (+3.3V) (for A/D converter)
129	AVRH	–	Reference voltage (+3.3V) input terminal (for A/D converter)
130	AVRL	–	Reference voltage (0V) input terminal (for A/D converter)
131	AVSS	–	Ground terminal (for A/D converter)
132 to 134	AD1 to AD3	I	Front panel key input terminal (A/D input)
135	VERSION	I	Destination setting terminal
136	RDSSIGNAL	–	Not used
137	HP-SW	I	Headphone detection signal input terminal “H”: headphone is connected
138, 139	+/-JOG1, +/-JOG2	I	Jog dial pulse input from the rotary encoder (for +/-)
140	VCC2	–	Power supply terminal (+3.3V)
141	BACUP	–	Power supply terminal (+3.3V) (for back up)
142	X0A	I	Sub system clock input terminal Not used
143	X1A	O	Sub system clock output terminal Not used
144	VSS	–	Ground terminal

DIGITAL BOARD IC2701 TMP87C447U-1F23 (SUB SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	STAT0	O	M-BUS status output to the main system controller
2	CARRIER-OUT	O	SIRCS signal on/off control signal output terminal Not used
3	FLASH	I	Not used
4	MBUS	I	Not used
5	CTRL-LATCH	I	Serial data latch pulse signal input from the main system controller
6, 7	–	–	Not used
8	SIRSTS	O	Not used
9	–	–	Not used
10	SIRCS-INPUT	I	SIRCS signal input terminal
11	A1-OUT	O	SIRCS signal output for CONTROL A1II Not used
12	A1-IN	I	SIRCS signal input for CONTROL A1II Not used
13	GND	–	Ground terminal
14	RESET	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
15	XIN	I	System clock input terminal (7.28 MHz)
16	XOUT	O	System clock output terminal (7.28 MHz)
17	GND	–	Ground terminal
18	VDD	–	Power supply terminal (+5V)
19	RESETC	O	Reset signal output to the main system controller
20	RESETN	O	Not used
21	OUTH11	O	Not used
22	OUTLO1	O	Not used
23	OUTH12	O	Model distination signal output to the main system controller
24	OUTLO2	O	Model distination signal output to the main system controller
25	ENDFLG	I	End flag input from the main system controller
26	UARTIN	I	Serial data input from the RS-232C
27 to 32	–	–	Not used
33	SIRCS-OUT	O	SIRCS signal output terminal Not used
34 to 36	–	–	Not used
37	MBUS_TV	I	Not used
38	MBUS_V2	I	Not used
39	MBUS_V1	I	Not used
40	VDD	–	Power supply terminal (+5V)
41 to 44	STAT4 to STAT1	O	M-BUS status output to the main system controller

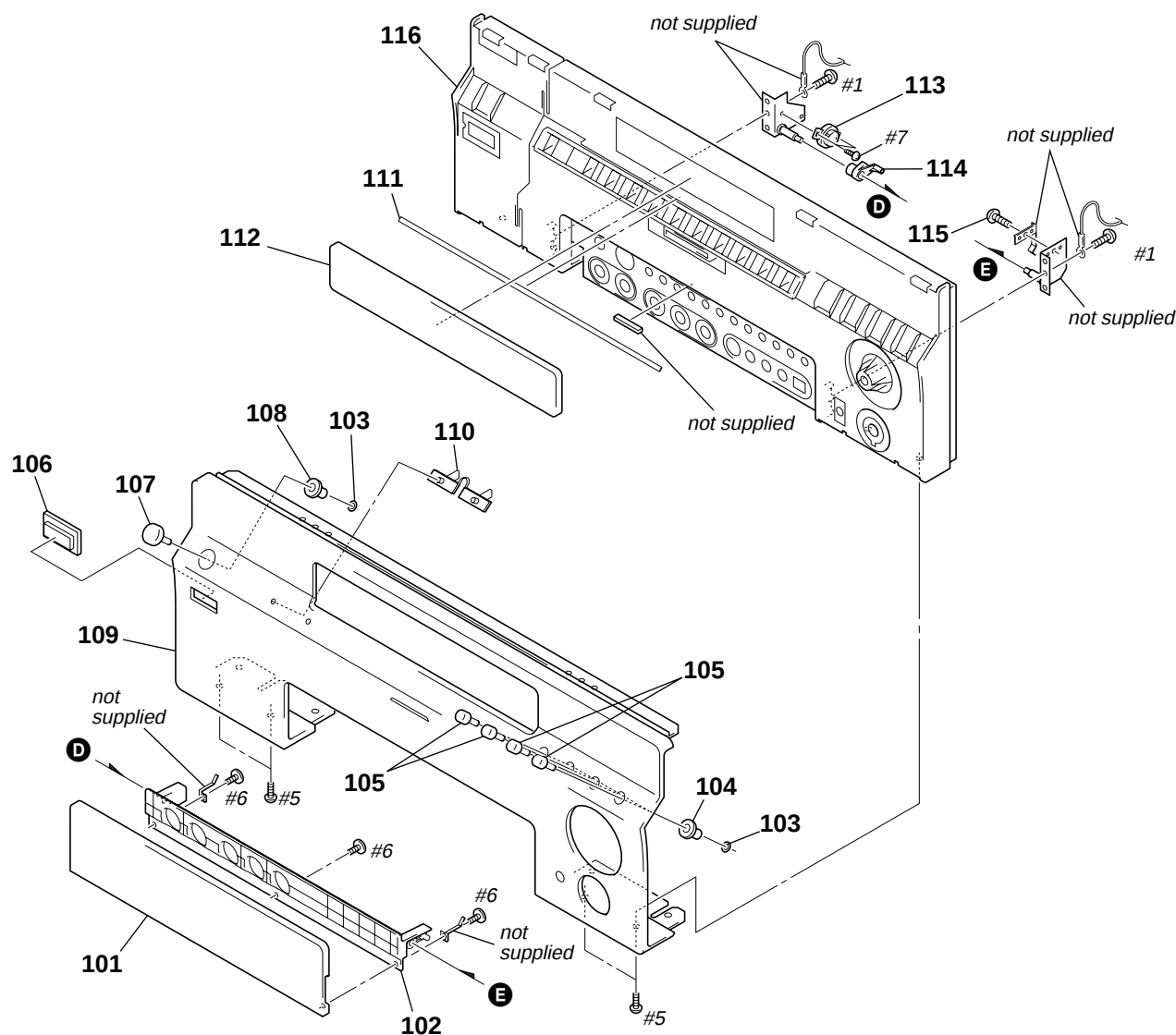
Les composants identifiés par une
marque sont critiques pour la
sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

7-2. FL BOARD SECTION



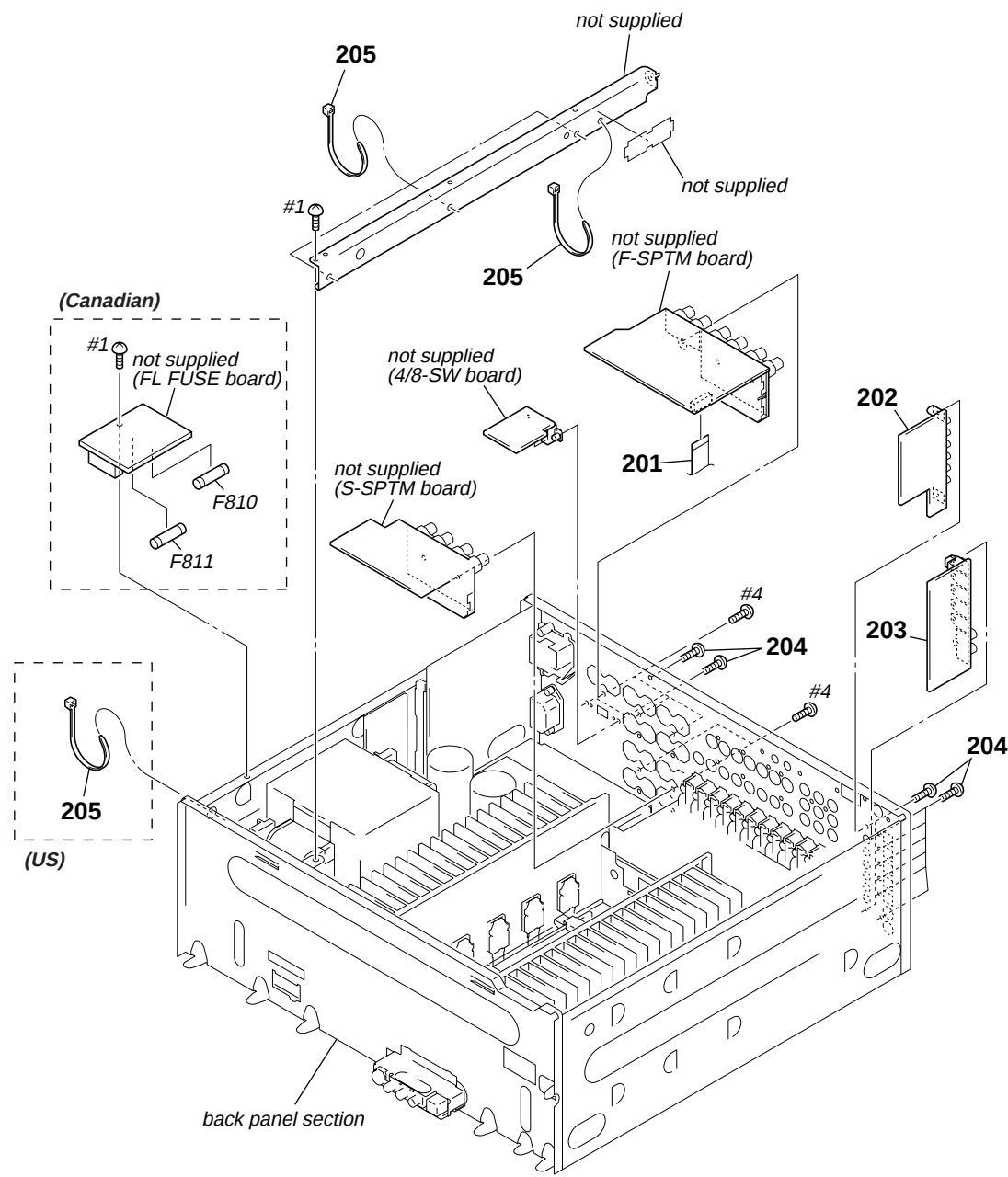
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4955-651-2	KNOB (SEL) ASSY (SILVER) (US, Canadian)		58	3-087-053-01	+BVTP2.6 (3CR)	
51	X-4955-656-2	KNOB (SEL) ASSY (BLACK) (US)		64	4-246-109-01	INDICATOR (C)	
52	X-4955-650-2	KNOB (VOL) ASSY (SILVER) (US, Canadian)		68	4-246-118-01	BUTTON (INPUT) (SILVER) (US, Canadian)	
52	X-4955-657-2	KNOB (VOL) ASSY (BLACK) (US)		68	4-246-118-21	BUTTON (INPUT) (BLACK) (US)	
53	4-246-104-01	KNOB (MENU) (SILVER) (US, Canadian)		69	A-1087-093-A	FL BOARD, COMPLETE	
53	4-246-104-21	KNOB (MENU) (BLACK) (US)		70	1-769-141-11	WIRE (FLAT TYPE) (23 CORE)	
54	4-246-103-02	KNOB (SPEAKER) (SILVER) (US, Canadian)		72	1-828-992-11	WIRE (FLAT TYPE) (17 CORE)	
54	4-246-103-22	KNOB (SPEAKER) (BLACK) (US)					
55	3-354-981-11	SPRING (SUS), RING					

7-3. FRONT PANEL SECTION



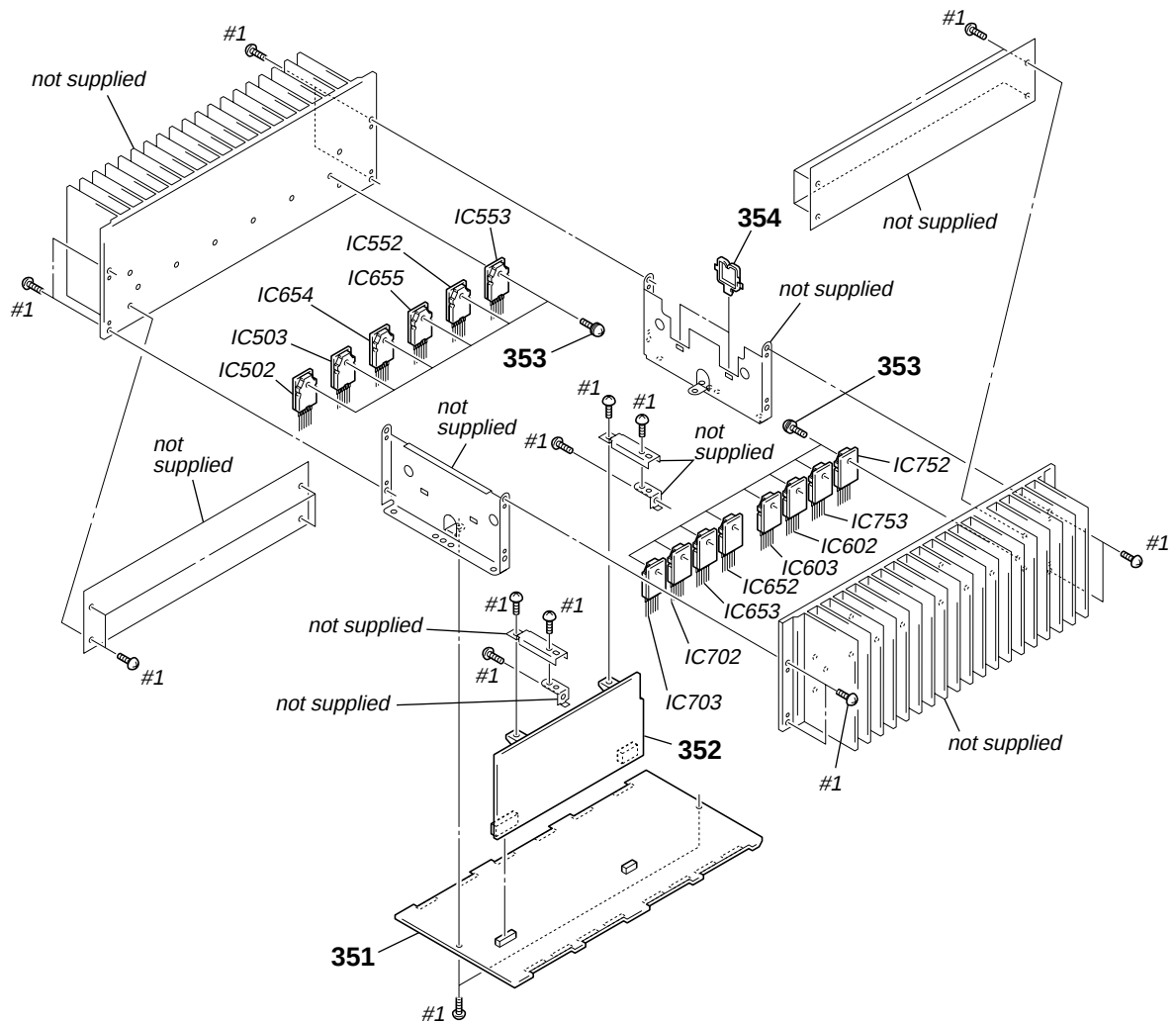
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-246-526-21	LID (BLACK) (US)		110	4-246-107-01	INDICATOR (A)	
101	4-246-526-31	LID (SILVER) (US, Canadian)		111	4-249-861-01	PLATE, LIGHT INTERCEPTION	
102	X-4955-632-2	ESCUTCHEON (LID) ASSY (SILVER) (US, Canadian)		112	4-246-538-01	PLATE, INDICATION (SILVER) (US, Canadian)	
102	X-4955-634-1	ESCUTCHEON (LID) ASSY (BLACK) (US)		112	4-246-538-11	PLATE, INDICATION (BLACK) (US)	
103	3-325-697-21	WASHER		113	4-240-391-01	DAMPER, OIL	
104	X-4955-653-1	ESCUTCHEON (DIA. 7) ASSY		114	4-246-743-01	GEAR (DAMPER)	
105	4-246-100-03	BUTTON (DIA. 7) (SILVER) (US, Canadian)		115	3-087-053-01	+BVTP2.6 (3CR)	
105	4-246-100-23	BUTTON (DIA. 7) (BLACK) (US)		116	X-2025-109-1	BASE ASSY, PANEL (SILVER) (US, Canadian)	
106	4-246-102-02	WINDOW (REMOTECONTROL)		116	X-2102-368-1	BASE ASSY, PANEL (BLACK) (US)	
107	4-246-121-03	BUTTON (POWER) (SILVER) (US, Canadian)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
107	4-246-121-23	BUTTON (POWER) (BLACK) (US)		#5	7-685-536-19	SCREW +BTP 2.6X12 TYPE2 N-S	
108	X-4955-652-1	ESCUTCHEON (POWER) ASSY		#6	7-621-770-87	SCREW +B 2.6X5 (SILVER) (US, Canadian)	
109	2-067-133-51	PANEL, FRONT (BLACK) (US)		#6	7-621-775-20	SCREW +B 2.6X5 (BLACK) (US)	
109	4-246-509-91	PANEL, FRONT (SILVER) (US, Canadian)		#7	7-685-853-04	SCREW +BVTT 2X6 (S)	

7-5. DIGITAL BOARD SECTION



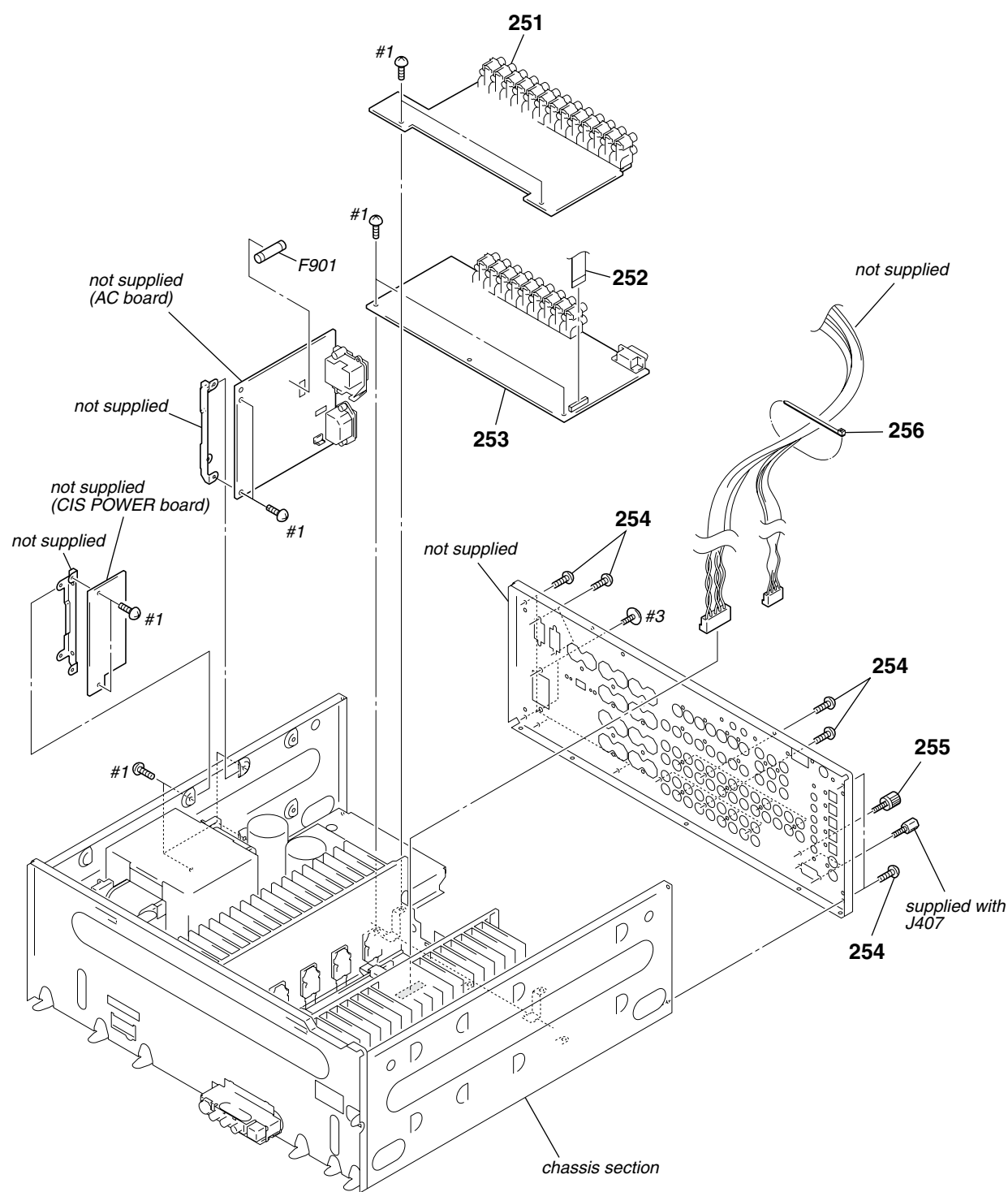
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	1-828-985-11	WIRE (FLAT TYPE) (15 CORE)		△ F810	1-533-614-12	FUSE, GLASS CYLINDRICAL (1.6A/125V)	
202	A-1087-085-A	DIGITAL-IN BOARD, COMPLETE					(Canadian)
203	A-1087-069-A	CIS BOARD, COMPLETE		△ F811	1-533-614-12	FUSE, GLASS CYLINDRICAL (1.6A/125V)	
204	3-704-515-22	SCREW (BV/RING)					(Canadian)
205	3-655-653-21	BAND (TAITON), BINDING		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
				#4	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

7-8. AMP BOARD SECTION



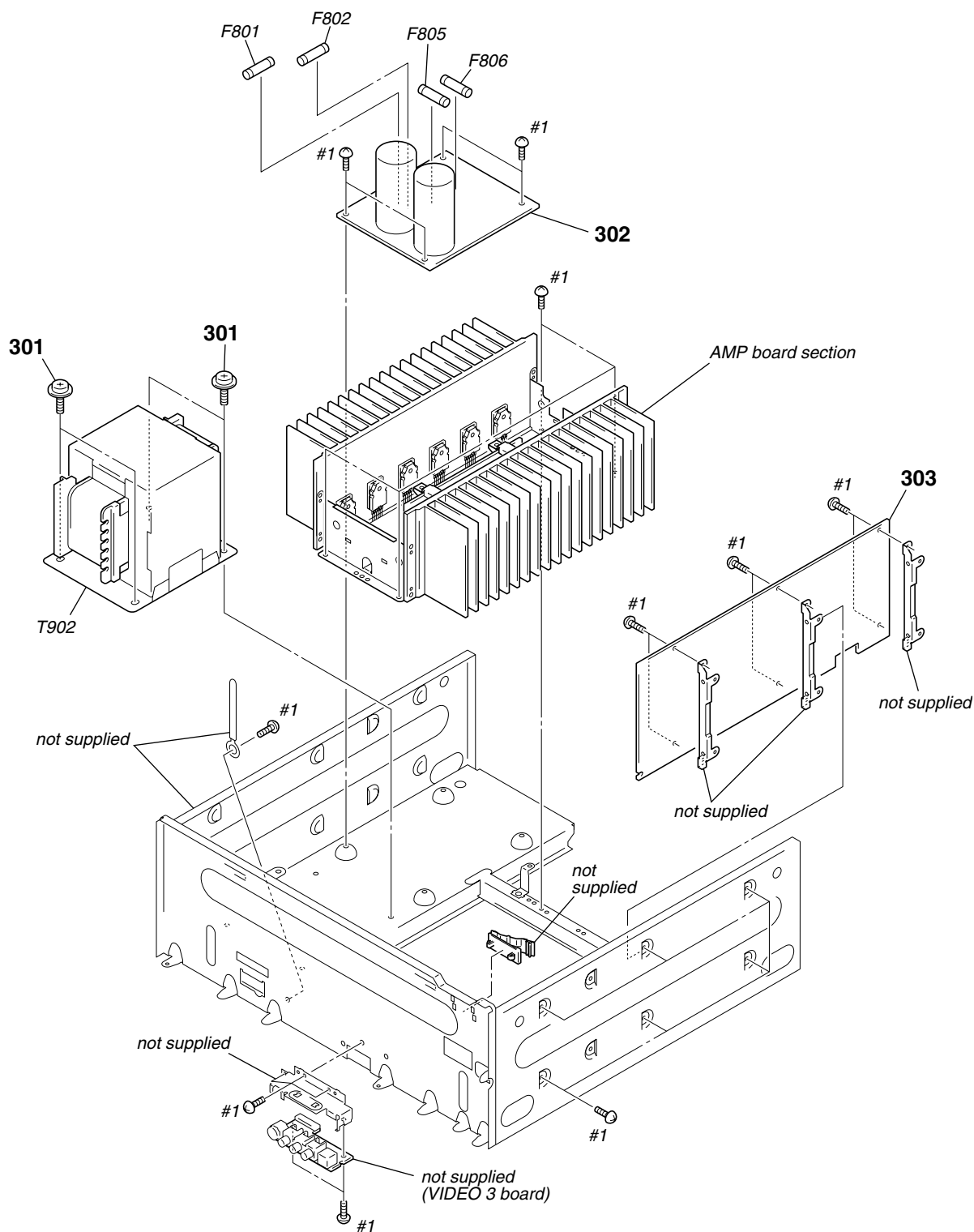
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	A-1087-077-A	AMP BOARD, COMPLETE		IC652	8-749-014-72	IC SAP15N	
352	A-1087-078-A	A-CLASS BOARD, COMPLETE		IC653	8-749-014-73	IC SAP15P	
353	3-905-609-01	SCREW (TRANSISTOR)		IC654	8-749-014-72	IC SAP15N	
354	4-308-119-02	HOLDER, WIRE		IC655	8-749-014-73	IC SAP15P	
IC502	8-749-014-72	IC SAP15N		IC702	8-749-014-72	IC SAP15N	
IC503	8-749-014-73	IC SAP15P		IC703	8-749-014-73	IC SAP15P	
IC552	8-749-014-72	IC SAP15N		IC752	8-749-014-72	IC SAP15N	
IC553	8-749-014-73	IC SAP15P		IC753	8-749-014-73	IC SAP15P	
IC602	8-749-014-72	IC SAP15N		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
IC603	8-749-014-73	IC SAP15P					

7-6. BACK PANEL SECTION



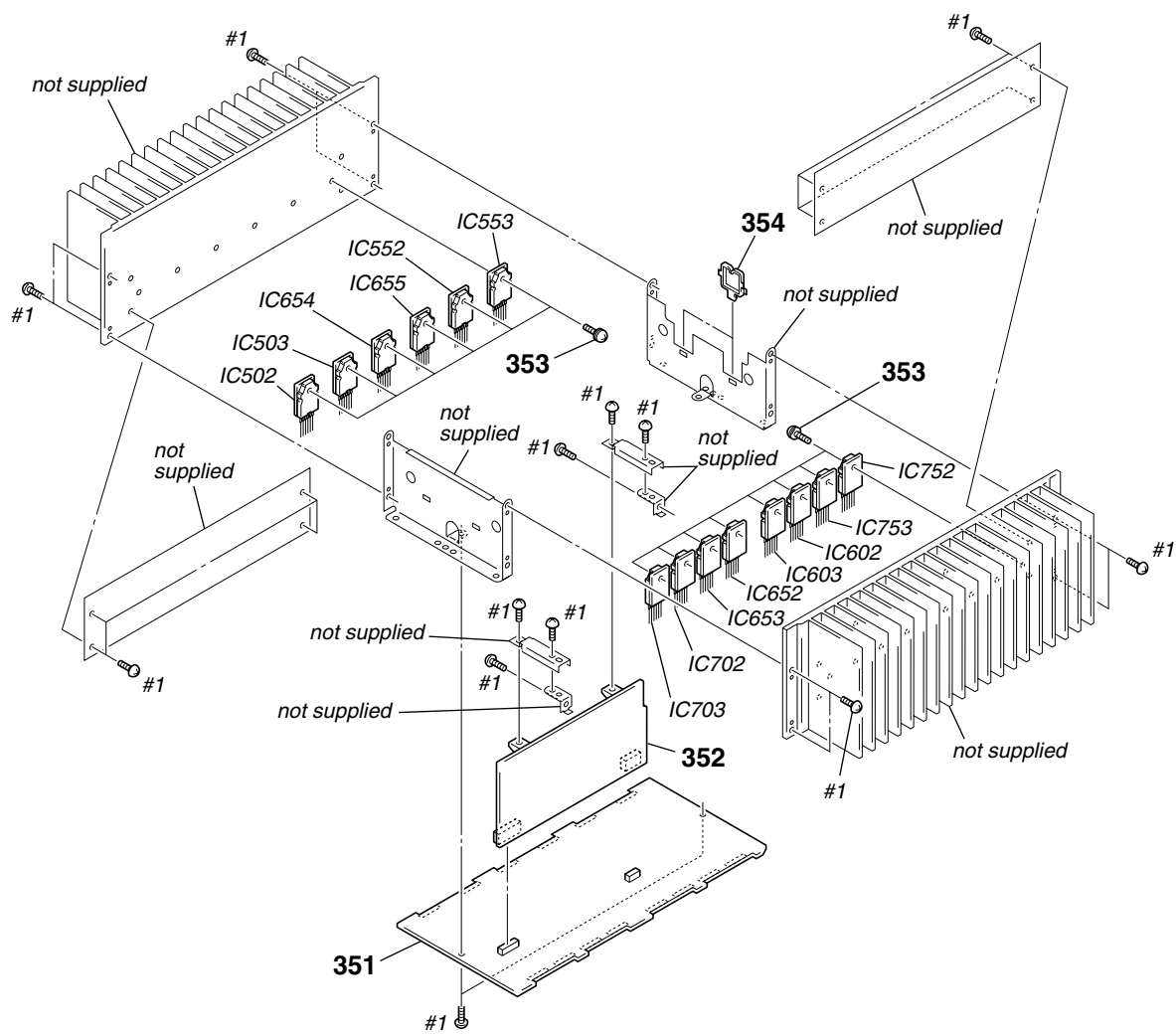
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	A-1087-065-A	INPUT BOARD, COMPLETE		256	3-655-653-21	BAND (TAITON), BINDING	
252	1-828-971-11	WIRE (FLAT TYPE) (13 CORE)		△ F901	1-576-379-11	FUSE (15A/250V)	
253	A-1087-067-A	E-VOL BOARD, COMPLETE		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
254	3-704-515-22	SCREW (BV/RING)		#3	7-685-659-79	SCREW +BVTP 4X8 TYPE2 IT-3	
255	4-947-010-01	SCREW, FEEDER FIXED					

7-7. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	4-394-596-01	SCREW (M5), TERMINAL		△F805	1-533-419-12	FUSE, GLASS CYLINDRICAL(DIA.5) (4A/125V)	
302	A-1087-091-A	DC BOARD, COMPLETE (US)		△F806	1-533-419-12	FUSE, GLASS CYLINDRICAL(DIA.5) (4A/125V)	
302	A-1126-438-A	DC BOARD, COMPLETE (Canadian)		△T902	1-437-870-12	TRANSFORMER, POWER (US)	
303	A-1087-062-A	DIGITAL BOARD, COMPLETE		△T902	1-437-872-12	TRANSFORMER, POWER (Canadian)	
△F801	1-576-379-11	FUSE (15A/250V)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△F802	1-576-379-11	FUSE (15A/250V)					

7-8. AMP BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	A-1087-077-A	AMP BOARD, COMPLETE		IC652	8-749-014-72	IC SAP15N	
352	A-1087-078-A	A-CLASS BOARD, COMPLETE		IC653	8-749-014-73	IC SAP15P	
353	3-905-609-13	SCREW (TRANSISTOR)		IC654	8-749-014-72	IC SAP15N	
354	4-308-119-02	HOLDER, WIRE		IC655	8-749-014-73	IC SAP15P	
IC502	8-749-014-72	IC SAP15N		IC702	8-749-014-72	IC SAP15N	
IC503	8-749-014-73	IC SAP15P		IC703	8-749-014-73	IC SAP15P	
IC552	8-749-014-72	IC SAP15N		IC752	8-749-014-72	IC SAP15N	
IC553	8-749-014-73	IC SAP15P		IC753	8-749-014-73	IC SAP15P	
IC602	8-749-014-72	IC SAP15N		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
IC603	8-749-014-73	IC SAP15P					

(S) SPTM

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
- Abbreviation
CND: Canadian model

- 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...	: μ A...	uPA...	: μ PA...
uPB...	: μ PB...	uPC...	: μ PC...
uPD...	: μ PD...		
- CAPACITORS
uF: μ F
- COILS
uH: μ H

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

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

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

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STR-DA3100ES

Ver. 1.3

A-CLASS AC

Ref. No.	Part No.	Description	Remark		
C703	1-102-233-00	CERAMIC	33PF	10%	500V
C704	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C705	1-126-934-11	ELECT	220uF	20%	16V
C710	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C711	1-126-964-11	ELECT	10uF	20%	50V
C739	1-137-503-11	FILM	100PF	5%	100V
C750	1-126-964-11	ELECT	10uF	20%	50V
C751	1-126-965-11	ELECT	22uF	20%	50V
C752	1-137-505-11	FILM	220PF	5%	100V
C753	1-102-233-00	CERAMIC	33PF	10%	500V
C754	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C755	1-126-934-11	ELECT	220uF	20%	16V
C760	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C761	1-126-964-11	ELECT	10uF	20%	50V
C789	1-137-503-11	FILM	100PF	5%	100V
< CONNECTOR >					
CNP601	1-784-922-11	PIN, CONNECTOR 5P			
CNP603	1-779-978-11	PIN, CONNECTOR 3P			
CNP605	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P			
CNP607	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P			
CNP701	1-784-921-11	PIN, CONNECTOR 4P			
< DIODE >					
D611	8-719-988-61	DIODE	1SS355TE-17		
D635	8-719-988-61	DIODE	1SS355TE-17		
D640	8-719-988-61	DIODE	1SS355TE-17		
D661	8-719-988-61	DIODE	1SS355TE-17		
D711	8-719-988-61	DIODE	1SS355TE-17		
D761	8-719-988-61	DIODE	1SS355TE-17		
< IC >					
IC601	6-700-943-01	IC	uPC2581V-S		
IC635	8-759-710-97	IC	NJM4565M-D		
IC701	6-700-943-01	IC	uPC2581V-S		
< TRANSISTOR >					
Q610	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q635	8-729-901-00	TRANSISTOR	DTC124EK		
Q640	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q660	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q710	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q760	8-729-119-78	TRANSISTOR	2SC2785-HFE		
< RESISTOR >					
R601	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R602	1-208-571-11	RES-CHIP	68K	2%	1/8W
R603	1-249-494-11	CARBON	68K	5%	1/2W
R604	1-247-757-11	CARBON	2.7K	5%	1/2W
R609	1-216-809-11	METAL CHIP	100	5%	1/10W
R611	1-216-844-11	METAL CHIP	82K	5%	1/10W
R612	1-216-833-11	METAL CHIP	10K	5%	1/10W
R613	1-216-835-11	METAL CHIP	15K	5%	1/10W
R614	1-216-841-11	METAL CHIP	47K	5%	1/10W
R615	1-216-837-11	METAL CHIP	22K	5%	1/10W
R635	1-216-837-11	METAL CHIP	22K	5%	1/10W
R636	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R637	1-216-853-11	METAL CHIP	470K	5%	1/10W
R638	1-216-821-11	METAL CHIP	1K	5%	1/10W
R639	1-216-833-11	METAL CHIP	10K	5%	1/10W
R640	1-216-837-11	METAL CHIP	22K	5%	1/10W
R643	1-216-230-00	RES-CHIP	22K	2%	1/8W
R646	1-216-844-11	METAL CHIP	82K	5%	1/10W
R647	1-216-833-11	METAL CHIP	10K	5%	1/10W
R648	1-216-835-11	METAL CHIP	15K	5%	1/10W
R649	1-216-841-11	METAL CHIP	47K	5%	1/10W
R650	1-216-837-11	METAL CHIP	22K	5%	1/10W
R651	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R652	1-208-571-11	RES-CHIP	68K	2%	1/8W
R653	1-249-494-11	CARBON	68K	5%	1/2W
R654	1-247-757-11	CARBON	2.7K	5%	1/2W
R657	1-216-844-11	METAL CHIP	82K	5%	1/10W
R658	1-216-833-11	METAL CHIP	10K	5%	1/10W
R659	1-216-809-11	METAL CHIP	100	5%	1/10W
R667	1-216-835-11	METAL CHIP	15K	5%	1/10W
R668	1-216-841-11	METAL CHIP	47K	5%	1/10W
R669	1-216-837-11	METAL CHIP	22K	5%	1/10W
R701	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R702	1-208-571-11	RES-CHIP	68K	2%	1/8W
R703	1-249-494-11	CARBON	68K	5%	1/2W
R704	1-247-757-11	CARBON	2.7K	5%	1/2W
R709	1-216-809-11	METAL CHIP	100	5%	1/10W
R711	1-216-844-11	METAL CHIP	82K	5%	1/10W
R712	1-216-833-11	METAL CHIP	10K	5%	1/10W
R713	1-216-835-11	METAL CHIP	15K	5%	1/10W
R714	1-216-841-11	METAL CHIP	47K	5%	1/10W
R715	1-216-837-11	METAL CHIP	22K	5%	1/10W
R743	1-216-230-00	RES-CHIP	22K	2%	1/8W
R751	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R752	1-208-571-11	RES-CHIP	68K	2%	1/8W
R753	1-249-494-11	CARBON	68K	5%	1/2W
R754	1-247-757-11	CARBON	2.7K	5%	1/2W
R759	1-216-809-11	METAL CHIP	100	5%	1/10W
R761	1-216-844-11	METAL CHIP	82K	5%	1/10W
R762	1-216-833-11	METAL CHIP	10K	5%	1/10W
R763	1-216-835-11	METAL CHIP	15K	5%	1/10W
R764	1-216-841-11	METAL CHIP	47K	5%	1/10W
R765	1-216-837-11	METAL CHIP	22K	5%	1/10W

AC BOARD

1-533-399-31 FUSE HOLDER

< CAPACITOR >

C902	1-126-768-11	ELECT	2200uF	20%	16V
C903	1-126-943-11	ELECT	2200uF	20%	25V
C904	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C905	1-126-960-11	ELECT	1uF	20%	50V
C906	1-137-432-91	MYLAR	820PF	5%	50V
C907	1-137-150-11	FILM	0.01uF	5%	100V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< CONNECTOR >				C520	1-126-947-11	ELECT 47uF 20%	35V
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P		C523	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
△ CNP904	1-816-148-11	INLET, AC (~ AC IN)		C524	1-137-372-11	MYLAR 0.022uF 5%	50V
CNP908	1-779-978-11	PIN, CONNECTOR 3P		C539	1-137-503-11	FILM 100PF 5%	100V
CNP910	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		C541	1-126-965-11	ELECT 22uF 20%	50V
< DIODE >				C542	1-126-934-11	ELECT 220uF 20%	16V
D901	8-719-080-70	DIODE 11EQS04N-TB5		C551	1-126-965-11	ELECT 22uF 20%	50V
D902	8-719-080-70	DIODE 11EQS04N-TB5		C552	1-137-505-11	FILM 220PF 5%	100V
D903	8-719-080-70	DIODE 11EQS04N-TB5		C553	1-102-233-00	CERAMIC 33PF 10%	500V
D904	8-719-080-70	DIODE 11EQS04N-TB5		C554	1-102-230-00	CERAMIC 4PF 0.25PF	500V
D905	8-719-988-61	DIODE 1SS355TE-17		C555	1-126-934-11	ELECT 220uF 20%	16V
D906	8-719-988-61	DIODE 1SS355TE-17		C570	1-126-947-11	ELECT 47uF 20%	35V
D907	8-719-988-61	DIODE 1SS355TE-17		C573	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
D908	8-719-053-18	DIODE 1SR154-400TE-25		C574	1-137-372-11	MYLAR 0.022uF 5%	50V
< EARTH TERMINAL >				C575	1-106-359-00	MYLAR 0.0047uF 10%	100V
* EP901	1-537-738-21	TERMINAL, EARTH		C576	1-106-359-00	MYLAR 0.0047uF 10%	100V
< JACK >				C589	1-137-503-11	FILM 100PF 5%	100V
△ J901	1-251-718-11	OUTLET (2 GANG), AC (AC OUTLET)		C593	1-128-563-11	ELECT 100uF 20%	100V
< TRANSISTOR >				C594	1-128-563-11	ELECT 100uF 20%	100V
Q901	8-729-230-49	TRANSISTOR 2SC2712-YG		C595	1-128-560-11	ELECT 22uF 20%	100V
Q902	8-729-027-43	TRANSISTOR DTC114EKA-T146		C596	1-128-560-11	ELECT 22uF 20%	100V
Q903	8-729-027-43	TRANSISTOR DTC114EKA-T146		C597	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
Q904	8-729-140-93	TRANSISTOR 2SB733-34		C600	1-126-964-11	ELECT 10uF 20%	50V
< RESISTOR >				C620	1-126-947-11	ELECT 47uF 20%	35V
△ R901	1-219-237-11	SOLID 3.3M 20% 1/2W F		C623	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
R902	1-216-833-11	METAL CHIP 10K 5% 1/10W		C624	1-137-372-11	MYLAR 0.022uF 5%	50V
R903	1-216-825-11	METAL CHIP 2.2K 5% 1/10W		C670	1-126-947-11	ELECT 47uF 20%	35V
R904	1-216-843-11	METAL CHIP 68K 5% 1/10W		C673	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
R905	1-216-839-11	METAL CHIP 33K 5% 1/10W		C674	1-137-372-11	MYLAR 0.022uF 5%	50V
R906	1-216-823-11	METAL CHIP 1.5K 5% 1/10W		C681	1-126-965-11	ELECT 22uF 20%	50V
R907	1-216-841-11	METAL CHIP 47K 5% 1/10W		C682	1-137-505-11	FILM 220PF 5%	100V
R908	1-216-833-11	METAL CHIP 10K 5% 1/10W		C683	1-126-934-11	ELECT 220uF 20%	16V
R909	1-216-839-11	METAL CHIP 33K 5% 1/10W		C684	1-102-230-00	CERAMIC 4PF 0.25PF	500V
R910	1-216-833-11	METAL CHIP 10K 5% 1/10W		C685	1-102-233-00	CERAMIC 33PF 10%	500V
< RELAY >				C687	1-137-503-11	FILM 100PF 5%	100V
△ RY901	1-755-388-11	RELAY (AC POWER)		C691	1-126-947-11	ELECT 47uF 20%	35V
< TRANSFORMER >				C692	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
△ T902	1-435-162-21	TRANSFORMER, POWER		C693	1-137-372-11	MYLAR 0.022uF 5%	50V
*****				C720	1-126-947-11	ELECT 47uF 20%	35V
A-1087-077-A	AMP BOARD, COMPLETE	*****		C723	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
< CAPACITOR >				C724	1-137-372-11	MYLAR 0.022uF 5%	50V
C500	1-126-964-11	ELECT 10uF 20%	50V	C770	1-126-947-11	ELECT 47uF 20%	35V
C501	1-126-965-11	ELECT 22uF 20%	50V	C773	1-162-960-11	CERAMIC CHIP 220PF 10%	50V
C502	1-137-505-11	FILM 220PF 5%	100V	C774	1-137-372-11	MYLAR 0.022uF 5%	50V
C503	1-102-233-00	CERAMIC 33PF 10%	500V	< CONNECTOR >			
C504	1-102-230-00	CERAMIC 4PF 0.25PF	500V	CN504	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
C505	1-126-934-11	ELECT 220uF 20%	16V	CNP501	1-779-977-11	PIN, CONNECTOR 6P	
				CNP503	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P	
				CNP504	1-784-923-11	PIN, CONNECTOR 7P	
				CNP505	1-785-102-21	PIN, CONNECTOR (3.96mm PITCH) 4P	
				CNP509	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
				CNP602	1-779-978-21	PIN, CONNECTOR 3P	
				CNP606	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P	
				CNP608	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P	
				CNP702	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P	

STR-DA3100ES

AMP

Ref. No.	Part No.	Description	Remark		
< DIODE >					
D505	8-719-988-61	DIODE 1SS355TE-17			
D547	8-719-988-61	DIODE 1SS355TE-17			
D548	8-719-988-61	DIODE 1SS355TE-17			
D549	8-719-988-61	DIODE 1SS355TE-17			
D550	8-719-988-61	DIODE 1SS355TE-17			
D555	8-719-988-61	DIODE 1SS355TE-17			
D591	8-719-083-61	DIODE UDZSTE-1711B			
D592	8-719-083-61	DIODE UDZSTE-1711B			
D593	8-719-988-61	DIODE 1SS355TE-17			
D594	8-719-988-61	DIODE 1SS355TE-17			
D599	8-719-988-61	DIODE 1SS355TE-17			
D605	8-719-988-61	DIODE 1SS355TE-17			
D655	8-719-988-61	DIODE 1SS355TE-17			
D675	8-719-988-61	DIODE 1SS355TE-17			
D705	8-719-988-61	DIODE 1SS355TE-17			
D755	8-719-988-61	DIODE 1SS355TE-17			
< IC >					
IC501	6-700-943-01	IC uPC2581V-S			
IC651	6-700-943-01	IC uPC2581V-S			
< JUMPER RESISTOR >					
JC500	1-216-295-00	SHORT CHIP	0		
JC501	1-216-295-00	SHORT CHIP	0		
< TRANSISTOR >					
Q508	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q509	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q547	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA		
Q548	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q549	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q558	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q559	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q591	8-729-021-82	TRANSISTOR	2SD2396K		
Q592	8-729-024-93	TRANSISTOR	2SB1565E		
Q593	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q599	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q608	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q609	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q651	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q652	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q658	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q659	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q708	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q709	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q758	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q759	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
< RESISTOR >					
R501	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R502	1-208-571-11	RES-CHIP	68K	2%	1/8W
R503	1-249-494-11	CARBON	68K	5%	1/2W
R504	1-247-757-11	CARBON	2.7K	5%	1/2W
R509	1-216-809-11	METAL CHIP	100	5%	1/10W
△R510	1-215-891-11	METAL OXIDE	680	5%	2W F

Ref. No.	Part No.	Description	Remark		
R521	1-216-824-11	METAL CHIP 1.8K 5%	1/10W		
R522	1-216-835-11	METAL CHIP 15K 5%	1/10W		
R523	1-216-843-11	METAL CHIP 68K 5%	1/10W		
△R524	1-249-393-11	CARBON 10 5%	1/4W F		
△R525	1-249-393-11	CARBON 10 5%	1/4W F		
R526	1-208-401-11	RES-CHIP 33 2%	1/8W		
△R527	1-240-855-11	CARBON 6.2K 5%	1/4W F		
R528	1-216-214-00	RES-CHIP 4.7K 2%	1/8W		
R529	1-216-841-11	METAL CHIP 47K 5%	1/10W		
△R530	1-249-393-11	CARBON 10 5%	1/4W F		
R539	1-216-833-11	METAL CHIP 10K 5%	1/10W		
R540	1-216-821-11	METAL CHIP 1K 5%	1/10W		
R541	1-216-837-11	METAL CHIP 22K 5%	1/10W		
R542	1-216-833-11	METAL CHIP 10K 5%	1/10W		
R543	1-216-230-00	RES-CHIP 22K 2%	1/8W		
R551	1-208-782-11	METAL CHIP 1K 0.5%	1/10W		
R552	1-208-571-11	RES-CHIP 68K 2%	1/8W		
R553	1-249-494-11	CARBON 68K 5%	1/2W		
R554	1-247-757-11	CARBON 2.7K 5%	1/2W		
R559	1-216-809-11	METAL CHIP 100 5%	1/10W		
△R560	1-215-891-11	METAL OXIDE 680 5%	2W F		
R571	1-216-824-11	METAL CHIP 1.8K 5%	1/10W		
R572	1-216-835-11	METAL CHIP 15K 5%	1/10W		
R573	1-216-843-11	METAL CHIP 68K 5%	1/10W		
△R574	1-249-393-11	CARBON 10 5%	1/4W F		
△R575	1-249-393-11	CARBON 10 5%	1/4W F		
R576	1-208-401-11	RES-CHIP 33 2%	1/8W		
△R577	1-240-855-11	CARBON 6.2K 5%	1/4W F		
R578	1-216-214-00	RES-CHIP 4.7K 2%	1/8W		
R579	1-216-841-11	METAL CHIP 47K 5%	1/10W		
△R580	1-249-393-11	CARBON 10 5%	1/4W F		
△R587	1-249-393-11	CARBON 10 5%	1/4W F		
R588	1-216-833-11	METAL CHIP 10K 5%	1/10W		
△R591	1-249-393-11	CARBON 10 5%	1/4W F		
△R592	1-249-393-11	CARBON 10 5%	1/4W F		
R595	1-216-214-00	RES-CHIP 4.7K 2%	1/8W		
R596	1-216-829-11	METAL CHIP 4.7K 5%	1/10W		
R597	1-216-817-11	METAL CHIP 470 5%	1/10W		
R598	1-216-817-11	METAL CHIP 470 5%	1/10W		
R621	1-216-824-11	METAL CHIP 1.8K 5%	1/10W		
R622	1-216-835-11	METAL CHIP 15K 5%	1/10W		
R623	1-216-843-11	METAL CHIP 68K 5%	1/10W		
△R624	1-249-393-11	CARBON 10 5%	1/4W F		
△R625	1-249-393-11	CARBON 10 5%	1/4W F		
R626	1-208-401-11	RES-CHIP 33 2%	1/8W		
△R627	1-240-855-11	CARBON 6.2K 5%	1/4W F		
R628	1-216-214-00	RES-CHIP 4.7K 2%	1/8W		
R629	1-216-841-11	METAL CHIP 47K 5%	1/10W		
△R630	1-249-393-11	CARBON 10 5%	1/4W F		
R660	1-216-230-00	RES-CHIP 22K 2%	1/8W		
R661	1-208-782-11	METAL CHIP 1K 0.5%	1/10W		
R662	1-208-571-11	RES-CHIP 68K 2%	1/8W		
R663	1-249-494-11	CARBON 68K 5%	1/2W		
R664	1-247-757-11	CARBON 2.7K 5%	1/2W		
R665	1-216-809-11	METAL CHIP 100 5%	1/10W		
R671	1-216-824-11	METAL CHIP 1.8K 5%	1/10W		
R672	1-216-835-11	METAL CHIP 15K 5%	1/10W		
R673	1-216-843-11	METAL CHIP 68K 5%	1/10W		

AMP

CIS POWER

CIS

Ref. No.	Part No.	Description			Remark
△ R674	1-249-393-11	CARBON	10	5%	1/4W F
△ R675	1-249-393-11	CARBON	10	5%	1/4W F
R676	1-208-401-11	RES-CHIP	33	2%	1/8W
△ R677	1-240-855-11	CARBON	6.2K	5%	1/4W F
R678	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R679	1-216-841-11	METAL CHIP	47K	5%	1/10W
△ R680	1-249-393-11	CARBON	10	5%	1/4W F
△ R688	1-249-393-11	CARBON	10	5%	1/4W F
△ R689	1-249-393-11	CARBON	10	5%	1/4W F
R690	1-208-401-11	RES-CHIP	33	2%	1/8W
△ R691	1-240-855-11	CARBON	6.2K	5%	1/4W F
R692	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R693	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R694	1-216-843-11	METAL CHIP	68K	5%	1/10W
R695	1-216-835-11	METAL CHIP	15K	5%	1/10W
△ R696	1-249-393-11	CARBON	10	5%	1/4W F
R697	1-216-841-11	METAL CHIP	47K	5%	1/10W
R721	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R722	1-216-835-11	METAL CHIP	15K	5%	1/10W
R723	1-216-843-11	METAL CHIP	68K	5%	1/10W
△ R724	1-249-393-11	CARBON	10	5%	1/4W F
△ R725	1-249-393-11	CARBON	10	5%	1/4W F
R726	1-208-401-11	RES-CHIP	33	2%	1/8W
△ R727	1-240-855-11	CARBON	6.2K	5%	1/4W F
R728	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R729	1-216-841-11	METAL CHIP	47K	5%	1/10W
△ R730	1-249-393-11	CARBON	10	5%	1/4W F
R771	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R772	1-216-835-11	METAL CHIP	15K	5%	1/10W
R773	1-216-843-11	METAL CHIP	68K	5%	1/10W
△ R774	1-249-393-11	CARBON	10	5%	1/4W F
△ R775	1-249-393-11	CARBON	10	5%	1/4W F
R776	1-208-401-11	RES-CHIP	33	2%	1/8W
△ R777	1-240-855-11	CARBON	6.2K	5%	1/4W F
R778	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R779	1-216-841-11	METAL CHIP	47K	5%	1/10W
△ R780	1-249-393-11	CARBON	10	5%	1/4W F
< VARIABLE RESISTOR >					
RV501	1-238-598-11	RES, ADJ, CARBON	2.2K		
RV551	1-238-598-11	RES, ADJ, CARBON	2.2K		
RV601	1-238-598-11	RES, ADJ, CARBON	2.2K		
RV651	1-238-598-11	RES, ADJ, CARBON	2.2K		
RV652	1-238-598-11	RES, ADJ, CARBON	2.2K		
RV701	1-238-598-11	RES, ADJ, CARBON	2.2K		
RV751	1-238-598-11	RES, ADJ, CARBON	2.2K		
< RELAY >					
RY504	1-515-793-11	RELAY			
< CONNECTOR >					
TP501	1-564-505-11	PLUG, CONNECTOR 2P			
TP551	1-564-505-11	PLUG, CONNECTOR 2P			
TP601	1-564-505-11	PLUG, CONNECTOR 2P			
TP651	1-564-505-11	PLUG, CONNECTOR 2P			
TP652	1-564-505-11	PLUG, CONNECTOR 2P			

Ref. No.	Part No.	Description			Remark
TP701	1-564-505-11	PLUG, CONNECTOR 2P			
TP751	1-564-505-11	PLUG, CONNECTOR 2P			

CIS POWER BOARD					

7-685-646-79		SCREW +BVTP 3X8 TYPE2 IT-3			
< CAPACITOR >					
C825	1-126-943-11	ELECT	2200uF	20%	25V
C826	1-126-942-61	ELECT	1000uF	20%	25V
C827	1-126-768-11	ELECT	2200uF	20%	16V
C828	1-126-943-11	ELECT	2200uF	20%	25V
C829	1-126-942-61	ELECT	1000uF	20%	25V
C830	1-126-768-11	ELECT	2200uF	20%	16V
< CONNECTOR >					
CNP809	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
* CNP810	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
< DIODE >					
D821	8-719-080-70	DIODE 11EQS04N-TB5			
D822	8-719-080-70	DIODE 11EQS04N-TB5			
D823	8-719-080-70	DIODE 11EQS04N-TB5			
D824	8-719-080-70	DIODE 11EQS04N-TB5			
D827	8-719-080-70	DIODE 11EQS04N-TB5			
D828	8-719-080-70	DIODE 11EQS04N-TB5			
< IC >					
IC801	8-759-231-58	IC TA7812S			
IC802	8-759-231-58	IC TA7812S			

A-1087-069-A		CIS BOARD, COMPLETE			

< CAPACITOR >					
C51	1-126-960-11	ELECT	1uF	20%	50V
C52	1-126-960-11	ELECT	1uF	20%	50V
C53	1-126-960-11	ELECT	1uF	20%	50V
C59	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C61	1-126-947-11	ELECT	47uF	20%	35V
C62	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C63	1-126-961-11	ELECT	2.2uF	20%	50V
C66	1-126-767-11	ELECT	1000uF	20%	16V
< CONNECTOR >					
CNP51	1-779-978-11	PIN, CONNECTOR 3P			
CNP52	1-784-923-11	PIN, CONNECTOR 7P			
< DIODE >					
D60	8-719-988-61	DIODE 1SS355TE-17			
D61	8-719-075-86	LED SID307BRTP19			
(REMOTE CONTROL TRANSCEIVER)					
D65	8-719-988-61	DIODE 1SS355TE-17			

STR-DA3100ES

Ver. 1.3

CIS CONTROL-S DC

Ref. No.	Part No.	Description	Remark			
< IC >						
IC61	8-759-827-69	IC NJL63H400A-1				
IC63	8-759-564-49	IC TC7W53FU (TE12R)				
< JACK >						
J51	1-563-330-31	JACK (TRIGGER OUT MAIN)				
J52	1-563-330-31	JACK (TRIGGER OUT 2ND ZONE)				
J53	1-563-330-31	JACK (TRIGGER OUT 3RD ZONE)				
J54	1-563-330-31	JACK (IR REMOTE IR IN)				
J55	1-563-330-31	JACK (IR REMOTE IR OUT 1)				
J56	1-563-330-31	JACK (IR REMOTE IR OUT 2)				
< TRANSISTOR >						
Q51	8-729-140-97	TRANSISTOR	2SB734-34			
Q52	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q53	8-729-140-97	TRANSISTOR	2SB734-34			
Q54	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q55	8-729-140-97	TRANSISTOR	2SB734-34			
Q56	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
< THERMISTOR/RESISTOR >						
R51	1-801-726-11	THERMISTOR, POSITIVE				
R52	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R53	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R54	1-801-726-11	THERMISTOR, POSITIVE				
R55	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R56	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R57	1-801-726-11	THERMISTOR, POSITIVE				
R58	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R59	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R60	1-216-809-11	METAL CHIP	100	5%	1/10W	
R61	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R62	1-216-097-11	RES-CHIP	100K	5%	1/10W	
R63	1-216-809-11	METAL CHIP	100	5%	1/10W	
R64	1-216-809-11	METAL CHIP	100	5%	1/10W	
R65	1-216-809-11	METAL CHIP	100	5%	1/10W	
R66	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R67	1-216-809-11	METAL CHIP	100	5%	1/10W	
R68	1-216-797-11	METAL CHIP	10	5%	1/10W	
R69	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R70	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R71	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R72	1-216-097-11	RES-CHIP	100K	5%	1/10W	
R73	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R76	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R79	1-216-821-11	METAL CHIP	1K	5%	1/10W	

CONTROL-S BOARD						

< CAPACITOR >						
C291	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	
C292	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	
C293	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C294	1-126-964-11	ELECT	10uF	20%	50V	
C298	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	

Ref. No.	Part No.	Description	Remark			
C299	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V			
< CONNECTOR >						
CN291	1-784-766-11	CONNECTOR, FFC 5P				
< JUMPER RESISTOR >						
FB291	1-216-864-11	SHORT CHIP 0				
< IC >						
IC291	8-759-470-63	IC NJM2145M-TE2				
< JACK >						
J291	1-563-330-31	JACK (CONTROL S IN)				
J292	1-563-330-31	JACK (CONTROL S OUT)				
< RESISTOR >						
R291	1-216-821-11	METAL CHIP 1K	5%	1/10W		
R292	1-216-821-11	METAL CHIP 1K	5%	1/10W		
R293	1-216-864-11	SHORT CHIP 0				
R294	1-216-833-11	METAL CHIP 10K	5%	1/10W		
R296	1-216-833-11	METAL CHIP 10K	5%	1/10W		

A-1087-091-A		DC BOARD, COMPLETE (US)				
A-1126-438-A		DC BOARD, COMPLETE (CND)				

1-533-399-31		FUSE HOLDER				
7-685-646-79		SCREW +BVTP 3X8 TYPE2 IT-3				
< CAPACITOR >						
C801	1-115-688-21	MYLAR 22000PF	5%	100V		
C802	1-115-688-21	MYLAR 22000PF	5%	100V		
C803	1-137-666-13	ELECT (BLOCK) 15000uF	20%	71V		
C804	1-137-666-13	ELECT (BLOCK) 15000uF	20%	71V		
C805	1-126-967-11	ELECT 47uF	20%	50V		
C808	1-112-094-11	ELECT 2200uF	20%	35V		
(CND)						
C808	1-126-953-11	ELECT 2200uF	20%	35V		
(US)						
C809	1-112-094-11	ELECT 2200uF	20%	35V		
(CND)						
C809	1-126-953-11	ELECT 2200uF	20%	35V		
(US)						
C812	1-126-967-11	ELECT 47uF	20%	50V		
C815	1-128-553-11	ELECT 220uF	20%	63V		
C816	1-126-967-11	ELECT 47uF	20%	50V		
C819	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		
C820	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		
C822	1-106-377-00	MYLAR 0.027uF	99%	200V		
C823	1-112-088-11	ELECT 10000uF	20%	16V		
(CND)						
C823	1-126-939-11	ELECT 10000uF	20%	16V		
(US)						
C824	1-112-092-11	ELECT 1000uF	20%	25V		
(CND)						
C824	1-126-942-61	ELECT 1000uF	20%	25V		
(US)						

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
< CONNECTOR >							C2032	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
* CN801	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P					C2033	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
< CONNECTOR >							C2034	1-126-964-11	ELECT	10uF	20%	50V	
CNP801	1-784-926-11	PIN, CONNECTOR 11P					C2051	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
CNP802	1-691-768-11	PLUG (MICRO CONNECTOR) 6P					C2061	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
CNP803	1-785-102-21	PIN, CONNECTOR (3.96mm PITCH) 4P					C2062	1-126-935-11	ELECT	470uF	20%	16V	
CNP804	1-691-769-11	PLUG (MICRO CONNECTOR) 7P					C2063	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
< DIODE >							C2064	1-126-935-11	ELECT	470uF	20%	16V	
D801	6-501-003-11	DIODE D6SBN20-7001					C2121	1-162-962-11	CERAMIC CHIP	470PF	10%	50V	
D802	6-501-003-11	DIODE D6SBN20-7001					C2123	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
D803	8-719-063-73	DIODE D1NL20U-TR					C2124	1-126-934-11	ELECT	220uF	20%	16V	
D804	8-719-063-73	DIODE D1NL20U-TR					C2126	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	
D805	8-719-063-73	DIODE D1NL20U-TR					C2127	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
D806	8-719-063-73	DIODE D1NL20U-TR					C2128	1-126-935-11	ELECT	470uF	20%	16V	
D807	6-501-068-01	DIODE D4SBN20-7001					C2129	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
D811	8-719-083-73	DIODE UDZSTE-1736B					C2130	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
D812	6-500-522-31	DIODE 10EDB40-TB5					C2131	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
D813	6-500-522-31	DIODE 10EDB40-TB5					C2132	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
D814	8-719-978-33	DIODE DTZ-TT11-6.8B					C2133	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
D816	6-500-579-01	DIODE PTZ-TE25-6.8B					C2134	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
< EARTH TERMINAL >							C2135	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
* EPT801	1-537-738-21	TERMINAL, EARTH					C2136	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
< TRANSISTOR >							C2137	1-126-947-11	ELECT	47uF	20%	35V	
Q801	8-729-140-96	TRANSISTOR 2SD774-34					C2138	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
< RESISTOR >							C2139	1-126-961-11	ELECT	2.2uF	20%	50V	
R801	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		C2140	1-126-964-11	ELECT	10uF	20%	50V	
△ R802	1-249-401-11	CARBON	47	5%	1/4W F		C2141	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
R803	1-216-841-11	METAL CHIP	47K	5%	1/10W		C2142	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
△ R804	1-216-349-00	METAL OXIDE	1	5%	1W F		C2143	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	
△ R805	1-216-349-00	METAL OXIDE	1	5%	1W F		C2203	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
△ R806	1-216-349-00	METAL OXIDE	1	5%	1W F (US)		C2204	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
△ R807	1-216-349-00	METAL OXIDE	1	5%	1W F (US)		C2205	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
△ R808	1-249-416-11	CARBON	820	5%	1/4W F		C2206	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
*****							C2207	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
A-1087-062-A	DIGITAL BOARD, COMPLETE						C2208	1-162-920-11	CERAMIC CHIP	27PF	5%	50V	
*****							C2209	1-162-920-11	CERAMIC CHIP	27PF	5%	50V	
* 3-309-144-21	HEAT SINK						C2210	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3						C2211	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
< CAPACITOR >							C2212	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2002	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C2213	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2012	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C2215	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2025	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C2216	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2026	1-126-964-11	ELECT	10uF	20%	50V		C2219	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2027	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2220	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2028	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2221	1-126-935-11	ELECT	470uF	20%	16V	
C2029	1-126-964-11	ELECT	10uF	20%	50V		C2222	1-126-935-11	ELECT	470uF	20%	16V	
C2030	1-126-964-11	ELECT	10uF	20%	50V		C2223	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2031	1-126-963-11	ELECT	4.7uF	20%	50V		C2224	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2225	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2227	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2228	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2251	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2252	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2253	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2254	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2255	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
							C2256	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	

STR-DA3100ES

Ver. 1.3

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C2257	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2443	1-137-429-11	MYLAR	270PF	5%	50V
C2258	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2444	1-126-964-11	ELECT	10uF	20%	50V
C2259	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2449	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2260	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2451	1-126-964-11	ELECT	10uF	20%	50V
C2261	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2452	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2262	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2453	1-137-429-11	MYLAR	270PF	5%	50V
C2263	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2454	1-126-964-11	ELECT	10uF	20%	50V
C2264	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2459	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2265	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2461	1-126-964-11	ELECT	10uF	20%	50V
C2266	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2462	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2267	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2463	1-137-429-11	MYLAR	270PF	5%	50V
C2268	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2464	1-126-964-11	ELECT	10uF	20%	50V
C2269	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2469	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2270	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2471	1-126-964-11	ELECT	10uF	20%	50V
C2271	1-126-935-11	ELECT	470uF	20%	16V	C2472	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2272	1-126-935-11	ELECT	470uF	20%	16V	C2473	1-137-429-11	MYLAR	270PF	5%	50V
C2274	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2474	1-126-964-11	ELECT	10uF	20%	50V
C2301	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2479	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2302	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2481	1-126-964-11	ELECT	10uF	20%	50V
C2303	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2482	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2304	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2483	1-137-429-11	MYLAR	270PF	5%	50V
C2306	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2484	1-126-964-11	ELECT	10uF	20%	50V
C2307	1-126-935-11	ELECT	470uF	20%	16V	C2489	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2308	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2491	1-126-964-11	ELECT	10uF	20%	50V
C2309	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2492	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2314	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2493	1-137-429-11	MYLAR	270PF	5%	50V
C2315	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2494	1-126-964-11	ELECT	10uF	20%	50V
C2320	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2499	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C2321	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2602	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C2322	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2603	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2323	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2604	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2331	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C2605	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2391	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2606	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2392	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2607	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2401	1-126-964-11	ELECT	10uF	20%	50V	C2608	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2402	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2609	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2403	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2610	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2404	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2611	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2405	1-126-935-11	ELECT	470uF	20%	16V	C2613	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2406	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2614	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2407	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2615	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2408	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2616	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2409	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C2617	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2410	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C2618	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2411	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C2619	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2412	1-126-935-11	ELECT	470uF	20%	16V	C2620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2421	1-126-964-11	ELECT	10uF	20%	50V	C2621	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2422	1-137-457-11	MYLAR	0.0027uF	5%	100V	C2622	1-126-934-11	ELECT	220uF	20%	16V
C2423	1-137-429-11	MYLAR	270PF	5%	50V	C2623	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2424	1-126-964-11	ELECT	10uF	20%	50V	C2624	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2429	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C2625	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2431	1-126-964-11	ELECT	10uF	20%	50V	C2626	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2432	1-137-457-11	MYLAR	0.0027uF	5%	100V	C2627	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2433	1-137-429-11	MYLAR	270PF	5%	50V	C2628	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2434	1-126-964-11	ELECT	10uF	20%	50V	C2629	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2439	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C2630	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2441	1-126-964-11	ELECT	10uF	20%	50V	C2631	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C2442	1-137-457-11	MYLAR	0.0027uF	5%	100V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C2632	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		CN2991	1-779-978-21	PIN, CONNECTOR 3P	
C2633	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V				< DIODE >	
C2634	1-126-960-11	ELECT 1uF 20% 50V		D2010	8-719-988-61	DIODE 1SS355TE-17	
C2635	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		D2070	8-719-988-61	DIODE 1SS355TE-17	
C2636	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		D2101	8-719-988-61	DIODE 1SS355TE-17	
C2637	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		D2122	8-719-988-61	DIODE 1SS355TE-17	
C2638	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		D2601	8-719-801-78	DIODE 1SS184	
C2702	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V					
C2703	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		D2602	8-719-988-61	DIODE 1SS355TE-17	
C2704	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		D2702	8-719-801-78	DIODE 1SS184	
C2705	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		D2900	8-719-988-61	DIODE 1SS355TE-17	
C2706	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		D2971	8-719-988-61	DIODE 1SS355TE-17	
C2707	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V				< FERRITE BEAD/JUMPER RESISTOR >	
C2708	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		FB1270	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2709	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V		FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2711	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		FB2002	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2712	1-126-947-11	ELECT 47uF 20% 35V		FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2800	1-126-964-11	ELECT 10uF 20% 50V		FB2005	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2801	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		FB2007	1-216-295-00	SHORT CHIP 0	
C2810	1-126-964-11	ELECT 10uF 20% 50V		FB2008	1-216-295-00	SHORT CHIP 0	
C2811	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		FB2051	1-216-295-00	SHORT CHIP 0	
C2812	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		FB2052	1-216-295-00	SHORT CHIP 0	
C2831	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		FB2101	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2901	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		FB2103	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2902	1-126-767-11	ELECT 1000uF 20% 16V		FB2104	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2911	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		FB2105	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2912	1-126-935-11	ELECT 470uF 20% 16V		FB2106	1-216-295-00	SHORT CHIP 0	
C2931	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		FB2108	1-216-295-00	SHORT CHIP 0	
C2932	1-126-767-11	ELECT 1000uF 20% 16V		FB2109	1-216-295-00	SHORT CHIP 0	
C2941	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V		FB2155	1-216-295-00	SHORT CHIP 0	
C2942	1-126-927-11	ELECT 2200uF 20% 10V		FB2156	1-469-139-21	FERRITE, EMI (SMD) (2012)	
C2951	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		FB2201	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2952	1-126-935-11	ELECT 470uF 20% 16V		FB2202	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2961	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		FB2252	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2962	1-126-935-11	ELECT 470uF 20% 16V		FB2253	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2970	1-126-767-11	ELECT 1000uF 20% 16V		FB2301	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2971	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		FB2401	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2972	1-126-935-11	ELECT 470uF 20% 16V		FB2402	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2981	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		FB2601	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2982	1-126-935-11	ELECT 470uF 20% 16V		FB2674	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2991	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		FB2676	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2992	1-126-935-11	ELECT 470uF 20% 16V		FB2677	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2995	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V		FB2701	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< CONNECTOR >		FB2801	1-469-152-11	FERRITE, EMI (SMD) (2012)	
CN1601	1-784-927-11	PIN, CONNECTOR 12P		FB2811	1-469-152-11	FERRITE, EMI (SMD) (2012)	
CN1602	1-784-921-11	PIN, CONNECTOR 4P				< IC >	
CN1701	1-779-799-11	PIN, CONNECTOR 9P		IC2001	8-759-710-97	IC NJM4565M-D	
CN1801	1-784-923-11	PIN, CONNECTOR 7P		IC2010	6-701-834-01	IC PCM1802DBR	
CN1803	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		IC2061	8-759-231-58	IC TA7812S	
CN1804	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		IC2062	8-759-641-26	IC NJM2391DL1-33 (TE1)	
CN2001	1-779-978-11	PIN, CONNECTOR 3P		IC2121	8-759-825-15	IC LC89056W-E	
CN2007	1-784-778-11	CONNECTOR, FFC 17P		IC2123	8-759-546-74	IC TC7WH157FU (TE12R)	
CN2008	1-784-784-11	CONNECTOR, FFC 23P		IC2124	8-759-447-77	IC TC7WH74FU (TE12R)	
CN2101	1-784-776-11	CONNECTOR, FFC 15P		IC2125	8-759-096-87	IC TC7WU04FU (TE12R)	
CN2102	1-784-774-11	CONNECTOR, FFC 13P		IC2201	6-702-047-01	IC CXD9718Q	
CN2103	1-784-778-11	CONNECTOR, FFC 17P		IC2203	8-759-196-96	IC TC7SH08FU-TE85R	
CN2105	1-784-776-11	CONNECTOR, FFC 15P					

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
IC2204	8-759-523-78	IC TC74VHC00FT (EL)		Q2942	8-729-230-49	TRANSISTOR 2SC2712-YG	
IC2206	8-759-835-63	IC NJM2391DL1-26 (TE1)		Q2971	8-729-140-93	TRANSISTOR 2SB733-34	
IC2207	8-759-546-74	IC TC7WH157FU (TE12R)		Q2972	8-729-027-43	TRANSISTOR DTC114EKA-T146	
IC2251	6-704-421-01	IC CXD9782R		Q2981	8-729-140-98	TRANSISTOR 2SD773-34	
IC2252	6-704-037-01	IC IC61LV6416-15TG		Q2982	8-729-027-23	TRANSISTOR DTA114EKA-T146	
IC2253	6-704-037-01	IC IC61LV6416-15TG		Q2991	8-729-140-93	TRANSISTOR 2SB733-34	
IC2254	8-759-196-96	IC TC7SH08FU-TE85R		Q2992	8-729-027-43	TRANSISTOR DTC114EKA-T146	
IC2255	8-759-835-63	IC NJM2391DL1-26 (TE1)		< RESISTOR >			
IC2301	6-702-288-01	IC CXD9722TQ		R2001	1-216-841-11	METAL CHIP 47K 5% 1/10W	
IC2302	6-703-791-01	IC MSM56V16160F-8T3FM1		R2002	1-218-852-11	METAL CHIP 1.6K 0.5% 1/10W	
IC2303	8-759-196-96	IC TC7SH08FU-TE85R		R2003	1-216-821-11	METAL CHIP 1K 5% 1/10W	
IC2391	8-759-523-81	IC TC74VHC08FT (EL)		R2011	1-216-841-11	METAL CHIP 47K 5% 1/10W	
IC2392	8-759-447-77	IC TC7WH74FU (TE12R)		R2012	1-218-852-11	METAL CHIP 1.6K 0.5% 1/10W	
IC2401	6-703-787-01	IC PCM1609KPTR		R2013	1-216-821-11	METAL CHIP 1K 5% 1/10W	
IC2421	8-759-385-17	IC NJM4580E (TE2)		R2016	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2441	8-759-385-17	IC NJM4580E (TE2)		R2017	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2461	8-759-385-17	IC NJM4580E (TE2)		R2018	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2481	8-759-385-17	IC NJM4580E (TE2)		R2019	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2601	6-600-420-02	IC MB91F155A-5ES-X101		R2020	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2603	6-704-004-01	IC BR24L16F-WE2		R2042	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2604	8-759-277-63	IC TC7W14FU (TE12R)		R2043	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2605	8-759-058-62	IC TC7S08FU (TE85R)		R2047	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2701	8-759-666-99	IC TMP87CH447U-1F23		R2048	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2702	8-759-008-37	IC MC74HC4050F		R2049	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2703	8-759-008-37	IC MC74HC4050F		R2050	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2704	8-759-238-47	IC TC74HCT7007AF (EL)		R2051	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2706	6-702-912-01	IC S-80942CNMC-G9CT2G		R2052	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2801	8-759-238-47	IC TC74HCT7007AF (EL)		R2054	1-216-864-11	SHORT CHIP 0	
IC2811	8-759-268-29	IC SN74HC595ANS		R2055	1-216-864-11	SHORT CHIP 0	
IC2812	8-759-268-29	IC SN74HC595ANS		R2056	1-216-864-11	SHORT CHIP 0	
IC2831	8-759-238-47	IC TC74HCT7007AF (EL)		R2057	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2901	8-759-094-53	IC TA7805S (LBSONY)		R2058	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2911	8-759-445-59	IC BA033T		R2059	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2931	8-759-445-59	IC BA033T		R2121	1-216-857-11	METAL CHIP 1M 5% 1/10W	
IC2941	8-759-231-53	IC TA7805S		R2122	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC2951	8-759-450-47	IC BA05T		R2125	1-216-841-11	METAL CHIP 47K 5% 1/10W	
IC2961	8-759-445-59	IC BA033T		R2128	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
IC2971	8-759-231-53	IC TA7805S		R2129	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
IC2981	8-759-245-79	IC TA79005S		R2130	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC2991	8-759-701-59	IC NJM78M09FA		R2131	1-216-833-11	METAL CHIP 10K 5% 1/10W	
< TRANSISTOR >				R2132	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q2051	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16		R2133	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q2052	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16		R2134	1-216-821-11	METAL CHIP 1K 5% 1/10W	
Q2122	8-729-027-43	TRANSISTOR DTC114EKA-T146		R2135	1-216-857-11	METAL CHIP 1M 5% 1/10W	
Q2123	8-729-027-43	TRANSISTOR DTC114EKA-T146		R2136	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q2601	8-729-027-43	TRANSISTOR DTC114EKA-T146		R2137	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q2602	8-729-230-49	TRANSISTOR 2SC2712-YG		R2138	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q2603	8-729-230-49	TRANSISTOR 2SC2712-YG		R2139	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q2703	8-729-027-43	TRANSISTOR DTC114EKA-T146		R2140	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
Q2801	8-729-230-49	TRANSISTOR 2SC2712-YG		R2141	1-216-841-11	METAL CHIP 47K 5% 1/10W	
Q2901	8-729-140-93	TRANSISTOR 2SB733-34		R2142	1-216-809-11	METAL CHIP 100 5% 1/10W	
Q2902	8-729-027-43	TRANSISTOR DTC114EKA-T146		R2143	1-216-813-11	METAL CHIP 220 5% 1/10W	
Q2911	8-729-140-93	TRANSISTOR 2SB733-34		R2144	1-216-845-11	METAL CHIP 100K 5% 1/10W	
Q2912	8-729-027-43	TRANSISTOR DTC114EKA-T146		R2145	1-216-833-11	METAL CHIP 10K 5% 1/10W	
Q2931	8-729-140-93	TRANSISTOR 2SB733-34		R2148	1-216-864-11	SHORT CHIP 0	
Q2941	8-729-140-93	TRANSISTOR 2SB733-34		R2157	1-216-809-11	METAL CHIP 100 5% 1/10W	
				R2158	1-216-813-11	METAL CHIP 220 5% 1/10W	

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R2664	1-216-809-11	METAL CHIP	100 5% 1/10W	R2826	1-216-809-11	METAL CHIP	100 5% 1/10W
R2665	1-216-809-11	METAL CHIP	100 5% 1/10W	R2827	1-216-809-11	METAL CHIP	100 5% 1/10W
R2670	1-216-809-11	METAL CHIP	100 5% 1/10W	R2828	1-216-809-11	METAL CHIP	100 5% 1/10W
R2671	1-216-809-11	METAL CHIP	100 5% 1/10W	R2829	1-216-809-11	METAL CHIP	100 5% 1/10W
R2672	1-216-809-11	METAL CHIP	100 5% 1/10W	R2830	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2673	1-216-809-11	METAL CHIP	100 5% 1/10W	R2831	1-216-809-11	METAL CHIP	100 5% 1/10W
R2676	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2832	1-216-809-11	METAL CHIP	100 5% 1/10W
R2701	1-216-809-11	METAL CHIP	100 5% 1/10W	R2833	1-216-809-11	METAL CHIP	100 5% 1/10W
R2706	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2834	1-216-809-11	METAL CHIP	100 5% 1/10W
R2708	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2835	1-216-809-11	METAL CHIP	100 5% 1/10W
R2709	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2841	1-216-809-11	METAL CHIP	100 5% 1/10W
R2710	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2842	1-216-809-11	METAL CHIP	100 5% 1/10W
R2711	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2843	1-216-809-11	METAL CHIP	100 5% 1/10W
R2712	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2844	1-216-809-11	METAL CHIP	100 5% 1/10W
R2713	1-216-857-11	METAL CHIP	1M 5% 1/10W	R2845	1-216-809-11	METAL CHIP	100 5% 1/10W
R2714	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2846	1-216-809-11	METAL CHIP	100 5% 1/10W
R2715	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2847	1-216-809-11	METAL CHIP	100 5% 1/10W
R2716	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2848	1-216-809-11	METAL CHIP	100 5% 1/10W
R2717	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2849	1-216-809-11	METAL CHIP	100 5% 1/10W
R2718	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2851	1-216-809-11	METAL CHIP	100 5% 1/10W
R2719	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2852	1-216-809-11	METAL CHIP	100 5% 1/10W
R2720	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2853	1-216-809-11	METAL CHIP	100 5% 1/10W
R2721	1-216-813-11	METAL CHIP	220 5% 1/10W	R2854	1-216-809-11	METAL CHIP	100 5% 1/10W
R2723	1-216-809-11	METAL CHIP	100 5% 1/10W	R2855	1-216-809-11	METAL CHIP	100 5% 1/10W
R2724	1-216-809-11	METAL CHIP	100 5% 1/10W	R2901	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2725	1-216-809-11	METAL CHIP	100 5% 1/10W	R2902	1-216-821-11	METAL CHIP	1K 5% 1/10W
R2726	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2911	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2727	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2912	1-216-821-11	METAL CHIP	1K 5% 1/10W
R2728	1-216-809-11	METAL CHIP	100 5% 1/10W	R2931	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2730	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2941	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2731	1-216-864-11	SHORT CHIP	0	R2942	1-216-821-11	METAL CHIP	1K 5% 1/10W
R2732	1-216-864-11	SHORT CHIP	0	R2943	1-216-821-11	METAL CHIP	1K 5% 1/10W
R2733	1-216-864-11	SHORT CHIP	0	R2944	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2734	1-216-833-11	METAL CHIP	10K 5% 1/10W	R2945	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2801	1-216-809-11	METAL CHIP	100 5% 1/10W	△ R2949	1-245-290-11	CEMENTED	4.7 5% 5W F
R2802	1-216-809-11	METAL CHIP	100 5% 1/10W	R2971	1-216-821-11	METAL CHIP	1K 5% 1/10W
R2803	1-216-809-11	METAL CHIP	100 5% 1/10W	R2981	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2804	1-216-809-11	METAL CHIP	100 5% 1/10W	R2991	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R2805	1-216-809-11	METAL CHIP	100 5% 1/10W	< VIBRATOR >			
R2806	1-216-809-11	METAL CHIP	100 5% 1/10W	X2101	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)	
R2807	1-216-809-11	METAL CHIP	100 5% 1/10W	X2201	1-781-527-21	VIBRATOR, CRYSTAL (13.5MHz)	
R2808	1-216-809-11	METAL CHIP	100 5% 1/10W	X2251	1-795-264-21	VIBRATOR, CERAMIC (13.5MHz)	
R2809	1-216-809-11	METAL CHIP	100 5% 1/10W	X2601	1-795-179-21	VIBRATOR, CERAMIC (16.5MHz)	
R2811	1-216-809-11	METAL CHIP	100 5% 1/10W	X2701	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)	
R2812	1-216-809-11	METAL CHIP	100 5% 1/10W	*****			
R2813	1-216-833-11	METAL CHIP	10K 5% 1/10W	A-1087-085-A DIGITAL-IN BOARD, COMPLETE			
R2814	1-216-809-11	METAL CHIP	100 5% 1/10W	*****			
R2815	1-216-809-11	METAL CHIP	100 5% 1/10W	< CAPACITOR >			
R2816	1-216-809-11	METAL CHIP	100 5% 1/10W	C1902	1-128-552-51	ELECT	47uF 20% 63V
R2817	1-216-809-11	METAL CHIP	100 5% 1/10W	C1903	1-128-552-51	ELECT	47uF 20% 63V
R2818	1-216-809-11	METAL CHIP	100 5% 1/10W	C1905	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
R2819	1-216-809-11	METAL CHIP	100 5% 1/10W	C1909	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
R2821	1-216-809-11	METAL CHIP	100 5% 1/10W	C1911	1-126-916-11	ELECT	1000uF 20% 6.3V
R2822	1-216-809-11	METAL CHIP	100 5% 1/10W	C1912	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
R2823	1-216-809-11	METAL CHIP	100 5% 1/10W	C1913	1-162-923-11	CERAMIC CHIP	47PF 5% 50V
R2824	1-216-809-11	METAL CHIP	100 5% 1/10W	C1915	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V
R2825	1-216-809-11	METAL CHIP	100 5% 1/10W				

STR-DA3100ES

Ver. 1.3

DIGITAL-IN

E-VOL

Ref. No.	Part No.	Description	Remark		
C1917	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1918	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1919	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1922	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1923	1-126-947-11	ELECT	47uF	20%	35V
C1925	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1926	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1927	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
< CONNECTOR >					
* CN1901	1-564-726-11	PIN, CONNECTOR (SMALL TYPE) 10P			
< DIODE >					
D1901	8-719-988-61	DIODE	1SS355TE-17		
D1902	8-719-801-78	DIODE	1SS184		
D1903	8-719-988-61	DIODE	1SS355TE-17		
< JUMPER RESISTOR >					
FB1901	1-216-295-00	SHORT CHIP	0		
FB1902	1-216-295-00	SHORT CHIP	0		
< IC >					
IC1901	6-804-989-01	IC	GP1FA313RZ0F (DIGITAL ASSIGNABLE (ONLY INPUT) DVD OPTICAL IN		
IC1902	6-804-989-01	IC	GP1FA313RZ0F (DIGITAL ASSIGNABLE (ONLY INPUT) TV/SAT OPTICAL IN		
IC1903	6-804-989-01	IC	GP1FA313RZ0F (DIGITAL ASSIGNABLE (ONLY INPUT) MD/DAT OPTICAL IN		
IC1904	6-600-234-01	IC	GP1FA313TZ0F (DIGITAL ASSIGNABLE (ONLY INPUT) MD/DAT OPTICAL OUT		
IC1905	6-804-989-01	IC	GP1FA313RZ0F (DIGITAL ASSIGNABLE (ONLY INPUT) SA-CD/CD OPTICAL IN		
IC1906	8-759-233-64	IC	TC74HCU04AF		
IC1907	8-759-236-19	IC	TC74HC151AF (EL)		
IC1908	8-759-566-06	IC	TC7WH08FU (TE12R)		
< JACK >					
J1902	1-818-314-11	PIN JACK 2P (DIGITAL ASSIGNABLE (ONLY INPUT) SA-CD/CD/DVD COAXIAL IN			
< RESISTOR >					
R1901	1-208-410-41	RES-CHIP	75	2%	1/8W
R1902	1-208-410-41	RES-CHIP	75	2%	1/8W
R1903	1-216-190-00	RES-CHIP	470	2%	1/8W
R1904	1-216-190-00	RES-CHIP	470	2%	1/8W
R1905	1-216-238-00	RES-CHIP	47K	2%	1/8W
R1906	1-216-238-00	RES-CHIP	47K	2%	1/8W
R1907	1-216-262-00	RES-CHIP	470K	2%	1/8W
R1908	1-216-262-00	RES-CHIP	470K	2%	1/8W
R1909	1-216-809-11	METAL CHIP	100	5%	1/10W
R1910	1-216-809-11	METAL CHIP	100	5%	1/10W
R1911	1-216-864-11	SHORT CHIP	0		
R1912	1-216-809-11	METAL CHIP	100	5%	1/10W
R1913	1-216-809-11	METAL CHIP	100	5%	1/10W
R1914	1-216-809-11	METAL CHIP	100	5%	1/10W
R1916	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1917	1-216-809-11	METAL CHIP	100	5%	1/10W

	A-1087-067-A	E-VOL BOARD, COMPLETE			

		< CAPACITOR >			
C401	1-126-965-11	ELECT	22uF	20%	50V
C402	1-126-965-11	ELECT	22uF	20%	50V
C403	1-126-933-11	ELECT	100uF	20%	16V
C411	1-126-965-11	ELECT	22uF	20%	50V
C412	1-126-965-11	ELECT	22uF	20%	50V
C413	1-126-933-11	ELECT	100uF	20%	16V
C421	1-126-965-11	ELECT	22uF	20%	50V
C422	1-126-965-11	ELECT	22uF	20%	50V
C423	1-126-933-11	ELECT	100uF	20%	16V
C431	1-126-965-11	ELECT	22uF	20%	50V
C432	1-126-965-11	ELECT	22uF	20%	50V
C433	1-126-933-11	ELECT	100uF	20%	16V
C436	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C438	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C440	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C441	1-126-965-11	ELECT	22uF	20%	50V
C442	1-126-965-11	ELECT	22uF	20%	50V
C443	1-126-933-11	ELECT	100uF	20%	16V
C444	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C445	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C446	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C447	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C448	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C449	1-126-947-11	ELECT	47uF	20%	35V
C450	1-126-965-11	ELECT	22uF	20%	50V
C451	1-126-965-11	ELECT	22uF	20%	50V
C452	1-126-965-11	ELECT	22uF	20%	50V
C453	1-126-933-11	ELECT	100uF	20%	16V
C454	1-126-965-11	ELECT	22uF	20%	50V
C455	1-126-965-11	ELECT	22uF	20%	50V
C456	1-126-965-11	ELECT	22uF	20%	50V
C457	1-126-965-11	ELECT	22uF	20%	50V
C458	1-126-965-11	ELECT	22uF	20%	50V
C459	1-126-965-11	ELECT	22uF	20%	50V
C460	1-126-965-11	ELECT	22uF	20%	50V
C461	1-126-965-11	ELECT	22uF	20%	50V
C462	1-126-965-11	ELECT	22uF	20%	50V
C463	1-126-933-11	ELECT	100uF	20%	16V
C466	1-137-505-11	FILM	220PF	5%	100V
C467	1-137-505-11	FILM	220PF	5%	100V
C468	1-137-505-11	FILM	220PF	5%	100V
C469	1-137-505-11	FILM	220PF	5%	100V
C470	1-137-505-11	FILM	220PF	5%	100V
C471	1-126-965-11	ELECT	22uF	20%	50V
C472	1-126-965-11	ELECT	22uF	20%	50V
C473	1-126-933-11	ELECT	100uF	20%	16V
C474	1-137-505-11	FILM	220PF	5%	100V
C475	1-137-505-11	FILM	220PF	5%	100V
C476	1-137-505-11	FILM	220PF	5%	100V
C477	1-126-947-11	ELECT	47uF	20%	35V
C478	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C479	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		IC553	8-759-385-17	IC NJM4580E (TE2)	
C481	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V				< JACK >	
C482	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V					
C483	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		J402	1-695-188-31	JACK, PIN 4P (MULTI CH IN FRONT/SURROUND)	
C484	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		J403	1-766-398-21	JACK, PIN 4P (MULTI CH IN SURR BACK/CENTER/SUB WOOFER)	
C485	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		J404	1-784-934-11	JACK, PIN 4P (PRE OUT FRONT/SURROUND)	
C486	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		J405	1-766-398-21	JACK, PIN 4P (PRE OUT SURR BACK/CENTER/SUB WOOFER)	
C487	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		J406	1-770-272-11	JACK, PIN 2P (3RD ZONE AUDIO OUT/FIXED)	
C488	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		J407	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)	
C490	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V				< TRANSISTOR >	
C491	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		Q401	8-729-230-49	TRANSISTOR 2SC2712-YG	
C493	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		Q404	8-729-230-49	TRANSISTOR 2SC2712-YG	
C494	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		Q405	8-729-230-49	TRANSISTOR 2SC2712-YG	
C496	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V		Q406	8-729-230-49	TRANSISTOR 2SC2712-YG	
C497	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V		Q407	8-729-230-49	TRANSISTOR 2SC2712-YG	
C498	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V					
C499	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V		Q408	8-729-230-49	TRANSISTOR 2SC2712-YG	
C500	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V				< RESISTOR >	
C551	1-162-927-11	CERAMIC CHIP 100PF 5% 50V		R401	1-216-246-00	RES-CHIP 100K 2% 1/8W	
C552	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V		R402	1-216-013-00	RES-CHIP 33 5% 1/10W	
C553	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		R403	1-216-013-00	RES-CHIP 33 5% 1/10W	
C554	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V		R404	1-216-013-00	RES-CHIP 33 5% 1/10W	
C557	1-126-961-11	ELECT 2.2uF 20% 50V		R405	1-216-013-00	RES-CHIP 33 5% 1/10W	
C558	1-126-961-11	ELECT 2.2uF 20% 50V					
		< CONNECTOR >		R406	1-216-013-00	RES-CHIP 33 5% 1/10W	
CNP402	1-784-774-11	CONNECTOR, FFC 13P		R407	1-216-013-00	RES-CHIP 33 5% 1/10W	
CNP408	1-784-929-11	PIN, CONNECTOR 14P		R408	1-216-013-00	RES-CHIP 33 5% 1/10W	
		< DIODE >		R409	1-216-013-00	RES-CHIP 33 5% 1/10W	
D401	8-719-988-61	DIODE 1SS355TE-17		R410	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
D404	8-719-988-61	DIODE 1SS355TE-17					
D405	8-719-988-61	DIODE 1SS355TE-17		R411	1-216-246-00	RES-CHIP 100K 2% 1/8W	
D406	8-719-988-61	DIODE 1SS355TE-17		R412	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
D407	8-719-988-61	DIODE 1SS355TE-17		R413	1-216-174-00	RES-CHIP 100 2% 1/8W	
D408	8-719-988-61	DIODE 1SS355TE-17		R414	1-216-174-00	RES-CHIP 100 2% 1/8W	
		< FERRITE BEAD >		R415	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
FB401	1-469-152-11	FERRITE, EMI (SMD) (2012)		R416	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
		< IC >		R417	1-216-174-00	RES-CHIP 100 2% 1/8W	
IC401	8-759-663-90	IC ADM3222ARUZ-REEL		R418	1-216-174-00	RES-CHIP 100 2% 1/8W	
IC402	8-759-835-79	IC TC9274N-016		R419	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
IC403	6-702-387-01	IC CXD9725M		R420	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
IC404	6-702-387-01	IC CXD9725M					
IC405	6-702-387-01	IC CXD9725M		R421	1-216-246-00	RES-CHIP 100K 2% 1/8W	
IC406	6-702-387-01	IC CXD9725M		R422	1-216-174-00	RES-CHIP 100 2% 1/8W	
IC407	8-759-385-17	IC NJM4580E (TE2)		R423	1-216-174-00	RES-CHIP 100 2% 1/8W	
IC408	8-759-385-17	IC NJM4580E (TE2)		R424	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
IC409	8-759-385-17	IC NJM4580E (TE2)		R425	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
IC410	8-759-385-17	IC NJM4580E (TE2)					
IC413	8-759-385-17	IC NJM4580E (TE2)		R426	1-216-174-00	RES-CHIP 100 2% 1/8W	
IC414	8-759-385-17	IC NJM4580E (TE2)		R427	1-216-174-00	RES-CHIP 100 2% 1/8W	
IC415	8-759-385-17	IC NJM4580E (TE2)		R431	1-216-246-00	RES-CHIP 100K 2% 1/8W	
IC416	8-759-385-17	IC NJM4580E (TE2)		R435	1-208-782-11	METAL CHIP 1K 0.5% 1/10W	
IC551	8-759-590-10	IC TC9273F-012 (EL)		R436	1-208-782-11	METAL CHIP 1K 0.5% 1/10W	
IC552	8-759-385-17	IC NJM4580E (TE2)					
				R437	1-208-782-11	METAL CHIP 1K 0.5% 1/10W	
				R438	1-208-782-11	METAL CHIP 1K 0.5% 1/10W	
				R439	1-208-782-11	METAL CHIP 1K 0.5% 1/10W	
				R440	1-208-782-11	METAL CHIP 1K 0.5% 1/10W	
				R441	1-216-246-00	RES-CHIP 100K 2% 1/8W	

STR-DA3100ES

E-VOL

FL

Ref. No.	Part No.	Description			Remark
R442	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R443	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R444	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R445	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R446	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R447	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R448	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R449	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R450	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R451	1-216-246-00	RES-CHIP	100K	2%	1/8W
R452	1-216-809-11	METAL CHIP	100	5%	1/10W
R453	1-216-809-11	METAL CHIP	100	5%	1/10W
R454	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R455	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R456	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R457	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R458	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R459	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R460	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R461	1-216-246-00	RES-CHIP	100K	2%	1/8W
R462	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R463	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R464	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R465	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
△ R466	1-249-393-11	CARBON	10	5%	1/4W F
R467	1-216-833-11	METAL CHIP	10K	5%	1/10W
R468	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R471	1-216-246-00	RES-CHIP	100K	2%	1/8W
R481	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R483	1-249-393-11	CARBON	10	5%	1/4W F
R486	1-216-809-11	METAL CHIP	100	5%	1/10W
R487	1-216-809-11	METAL CHIP	100	5%	1/10W
R488	1-216-841-11	METAL CHIP	47K	5%	1/10W
R489	1-216-841-11	METAL CHIP	47K	5%	1/10W
R490	1-216-845-11	METAL CHIP	100K	5%	1/10W
R491	1-216-845-11	METAL CHIP	100K	5%	1/10W
R492	1-216-845-11	METAL CHIP	100K	5%	1/10W
R493	1-216-845-11	METAL CHIP	100K	5%	1/10W
R494	1-216-013-00	RES-CHIP	33	5%	1/10W
R495	1-216-013-00	RES-CHIP	33	5%	1/10W
△ R496	1-249-393-11	CARBON	10	5%	1/4W F
R497	1-216-833-11	METAL CHIP	10K	5%	1/10W
R498	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
△ R499	1-249-393-11	CARBON	10	5%	1/4W F
R500	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R501	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R502	1-249-393-11	CARBON	10	5%	1/4W F
R503	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R504	1-216-833-11	METAL CHIP	10K	5%	1/10W
△ R505	1-249-393-11	CARBON	10	5%	1/4W F
R506	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R508	1-208-583-11	RES-CHIP	220K	2%	1/8W
R509	1-208-583-11	RES-CHIP	220K	2%	1/8W
R510	1-216-246-00	RES-CHIP	100K	2%	1/8W
R511	1-216-246-00	RES-CHIP	100K	2%	1/8W
R512	1-216-246-00	RES-CHIP	100K	2%	1/8W

Ref. No.	Part No.	Description			Remark
R513	1-216-246-00	RES-CHIP	100K	2%	1/8W
R514	1-216-246-00	RES-CHIP	100K	2%	1/8W
R515	1-216-246-00	RES-CHIP	100K	2%	1/8W
R516	1-216-246-00	RES-CHIP	100K	2%	1/8W
R517	1-216-246-00	RES-CHIP	100K	2%	1/8W
R518	1-208-583-11	RES-CHIP	220K	2%	1/8W
R519	1-208-583-11	RES-CHIP	220K	2%	1/8W
R520	1-208-583-11	RES-CHIP	220K	2%	1/8W
R521	1-208-583-11	RES-CHIP	220K	2%	1/8W
R522	1-208-583-11	RES-CHIP	220K	2%	1/8W
R523	1-208-583-11	RES-CHIP	220K	2%	1/8W
R529	1-216-864-11	SHORT CHIP	0		
R551	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R552	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R553	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R554	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R555	1-216-222-00	RES-CHIP	10K	2%	1/8W
R556	1-216-222-00	RES-CHIP	10K	2%	1/8W
R557	1-216-013-00	RES-CHIP	33	5%	1/10W
R558	1-216-013-00	RES-CHIP	33	5%	1/10W
R559	1-216-222-00	RES-CHIP	10K	2%	1/8W
R560	1-216-222-00	RES-CHIP	10K	2%	1/8W
R561	1-216-222-00	RES-CHIP	10K	2%	1/8W
R562	1-216-222-00	RES-CHIP	10K	2%	1/8W
R563	1-216-222-00	RES-CHIP	10K	2%	1/8W
R564	1-216-222-00	RES-CHIP	10K	2%	1/8W
R565	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R566	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R579	1-216-864-11	SHORT CHIP	0		
< RELAY >					
RY401	1-515-614-11	RELAY			
RY404	1-755-484-11	RELAY			
RY405	1-755-484-11	RELAY			
RY406	1-755-484-11	RELAY			
RY407	1-515-614-11	RELAY			
RY408	1-755-484-11	RELAY			

A-1087-093-A		FL BOARD, COMPLETE			

2-389-320-01		CUSHION			
4-246-106-01		HOLDER (FL)			
< CAPACITOR >					
C1001	1-124-589-11	ELECT	47uF	20%	16V
C1002	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1004	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1005	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1006	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1008	1-124-589-11	ELECT	47uF	20%	16V
C1009	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1010	1-126-795-11	ELECT	10uF	20%	50V
C1011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1014	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1017	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1018	1-162-962-11	CERAMIC CHIP	470PF	10%	50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C1019	1-162-962-11	CERAMIC CHIP 470PF 10% 50V		R1030	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C1020	1-162-962-11	CERAMIC CHIP 470PF 10% 50V		R1031	1-216-833-11	METAL CHIP 10K 5% 1/10W	
C1021	1-162-962-11	CERAMIC CHIP 470PF 10% 50V		R1032	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
< CONNECTOR >				R1033	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
CN1001	1-784-739-11	CONNECTOR, FFC 17P		R1034	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
CN1002	1-784-784-11	CONNECTOR, FFC 23P		R1035	1-216-821-11	METAL CHIP 1K 5% 1/10W	
* CN1003	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P		R1061	1-216-833-11	METAL CHIP 10K 5% 1/10W	
CN1007	1-785-819-11	HOUSING, CONNECTOR (PC BOARD) 15P		R1062	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
CN1009	1-779-978-11	PIN, CONNECTOR 3P		R1063	1-216-833-11	METAL CHIP 10K 5% 1/10W	
< DIODE >				R1064	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
D1002	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)		R1065	1-216-833-11	METAL CHIP 10K 5% 1/10W	
D1003	6-500-458-01	LED SELU5E20C-PTP15 (MULTI CHANNEL DECODING)		R1066	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
D1013	8-719-313-50	LED SEL6810A-TH12 (DIMMER)		R1067	1-216-833-11	METAL CHIP 10K 5% 1/10W	
D1028	8-719-988-61	DIODE 1SS355TE-17		R1068	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
< FLUORESCENT INDICATOR >				R1069	1-216-833-11	METAL CHIP 10K 5% 1/10W	
FL1001	1-519-763-11	INDICATOR TUBE, FLUORESCENT		< SWITCH >			
< IC >				S1001	1-771-349-21	SWITCH, KEYBOARD (SURR BACK DECODING)	
IC1001	8-759-827-69	IC NJL63H400A-1		S1002	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN)	
IC1002	8-759-238-47	IC TC74HCT7007AF (EL)		S1003	1-771-349-21	SWITCH, KEYBOARD (DIRECT)	
< JUMPER RESISTOR >				S1004	1-771-349-21	SWITCH, KEYBOARD (DECODE PRIORITY)	
JC1001	1-216-864-11	SHORT CHIP 0		S1005	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)	
< TRANSISTOR >				S1006	1-771-349-21	SWITCH, KEYBOARD (USER PRESET)	
Q1005	8-729-230-49	TRANSISTOR 2SC2712-YG		S1007	1-771-349-21	SWITCH, KEYBOARD (MEMORY/ENTER)	
Q1006	8-729-027-46	TRANSISTOR DTC114YKA-T146		S1008	1-771-349-21	SWITCH, KEYBOARD (FM/AM)	
Q1007	8-729-230-49	TRANSISTOR 2SC2712-YG		S1009	1-771-349-21	SWITCH, KEYBOARD (TUNING +)	
Q1008	8-729-230-49	TRANSISTOR 2SC2712-YG		S1010	1-771-349-21	SWITCH, KEYBOARD (TUNING -)	
Q1009	8-729-230-49	TRANSISTOR 2SC2712-YG		S1011	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING +)	
Q1010	8-729-230-49	TRANSISTOR 2SC2712-YG		S1012	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING -)	
< RESISTOR >				*****			
R1001	1-216-797-11	METAL CHIP 10 5% 1/10W		FL FUSE BOARD (CND)			
△ R1002	1-249-385-11	CARBON 2.2 5% 1/4W F		*****			
△ R1003	1-249-385-11	CARBON 2.2 5% 1/4W F		1-533-399-31 FUSE HOLDER			
R1004	1-216-809-11	METAL CHIP 100 5% 1/10W		*****			
R1005	1-216-809-11	METAL CHIP 100 5% 1/10W		F SPTM BOARD			
R1006	1-216-809-11	METAL CHIP 100 5% 1/10W		*****			
R1007	1-216-809-11	METAL CHIP 100 5% 1/10W		< CAPACITOR >			
R1012	1-216-809-11	METAL CHIP 100 5% 1/10W		C563	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
R1013	1-216-809-11	METAL CHIP 100 5% 1/10W		C564	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
R1014	1-216-809-11	METAL CHIP 100 5% 1/10W		C565	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
R1015	1-216-809-11	METAL CHIP 100 5% 1/10W		C566	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
R1020	1-216-815-11	METAL CHIP 330 5% 1/10W		C695	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
R1021	1-216-815-11	METAL CHIP 330 5% 1/10W		< CONNECTOR >			
R1022	1-211-990-11	METAL CHIP 75 0.5% 1/10W		CNP506	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P	
R1023	1-216-833-11	METAL CHIP 10K 5% 1/10W		CNP507	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P	
R1024	1-216-811-11	METAL CHIP 150 5% 1/10W		CNP651	1-564-723-11	PIN, CONNECTOR (SMALL TYPE) 7P	
R1026	1-216-833-11	METAL CHIP 10K 5% 1/10W		CNS506	1-784-776-11	CONNECTOR, FFC 15P	
R1027	1-216-829-11	METAL CHIP 4.7K 5% 1/10W		< DIODE >			
R1028	1-216-825-11	METAL CHIP 2.2K 5% 1/10W		D540	8-719-988-61	DIODE 1SS355TE-17	
R1029	1-216-825-11	METAL CHIP 2.2K 5% 1/10W		D541	8-719-988-61	DIODE 1SS355TE-17	
				D542	8-719-988-61	DIODE 1SS355TE-17	
				D543	8-719-988-61	DIODE 1SS355TE-17	
				D544	8-719-988-61	DIODE 1SS355TE-17	
				D545	8-719-988-61	DIODE 1SS355TE-17	

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Ver. 1.3

F SPTM FUNCTION HP INPUT

Ref. No.	Part No.	Description	Remark			
D546	8-719-988-61	DIODE 1SS355TE-17				
D598	8-719-988-61	DIODE 1SS355TE-17				
D607	8-719-988-61	DIODE 1SS355TE-17				
D667	8-719-988-61	DIODE 1SS355TE-17				
< COIL >						
L501	1-420-872-52	COIL, AIR-CORE				
L551	1-420-872-52	COIL, AIR-CORE				
L651	1-420-872-52	COIL, AIR-CORE				
< TRANSISTOR >						
Q598	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q611	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q621	8-729-230-49	TRANSISTOR	2SC2712-YG			
< RESISTOR >						
△ R511	1-249-393-11	CARBON	10	5%	1/4W	F
△ R561	1-249-393-11	CARBON	10	5%	1/4W	F
△ R584	1-249-393-11	CARBON	10	5%	1/4W	F
R585	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R586	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R589	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R617	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R632	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R633	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
△ R634	1-249-393-11	CARBON	10	5%	1/4W	F
R642	1-216-833-11	METAL CHIP	10K	5%	1/10W	
△ R644	1-249-393-11	CARBON	10	5%	1/4W	F
R645	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
△ R655	1-249-393-11	CARBON	10	5%	1/4W	F
R683	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R733	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
< RELAY >						
RY503	1-515-920-11	RELAY (24V)				
RY601	1-515-920-11	RELAY (24V)				
RY661	1-515-920-11	RELAY (24V)				
< TERMINAL >						
TM501	1-694-935-12	TERMINAL BOARD (SP) (8P)				
		(SPEAKERS FRONT)				
TM601	1-694-910-12	TERMINAL BOARD (SP) (2P)				
		(SPEAKERS CENTER)				

FUNCTION BOARD						

< CONNECTOR >						
* CN1005	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
< RESISTOR >						
R1055	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
< VARIABLE RESISTOR >						
RV1006	1-418-589-11	ENCODER, ROTARY (INPUT SELECTOR)				

Ref. No.	Part No.	Description	Remark			
< SWITCH >						
S1014	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)				

HP BOARD						

< CAPACITOR/JUMPER RESISTOR >						
C1025	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C1041	1-216-864-11	SHORT CHIP	0			
< CONNECTOR >						
* CN1011	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P				
CN1012	1-779-978-11	PIN, CONNECTOR 3P				
< JACK >						
J1001	1-815-313-21	JACK (PHONES)				
< CAPACITOR/JUMPER RESISTOR >						
JW1011	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
JW1013	1-216-864-11	SHORT CHIP	0			
JW1014	1-216-864-11	SHORT CHIP	0			
JW1089	1-216-864-11	SHORT CHIP	0			

A-1087-065-A INPUT BOARD, COMPLETE						

4-875-327-42 HEAT SINK						
7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3						
< CAPACITOR >						
C301	1-126-961-11	ELECT	2.2uF	20%	50V	
C303	1-126-934-11	ELECT	220uF	20%	16V	
C304	1-125-896-11	MYLAR	0.0091uF	5%	50V	
C305	1-136-159-00	MYLAR	0.033uF	5%	50V	
C306	1-126-961-11	ELECT	2.2uF	20%	50V	
C308	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C309	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	
C323	1-126-965-11	ELECT	22uF	20%	50V	
C325	1-126-965-11	ELECT	22uF	20%	50V	
C326	1-126-965-11	ELECT	22uF	20%	50V	
C327	1-126-965-11	ELECT	22uF	20%	50V	
C328	1-126-965-11	ELECT	22uF	20%	50V	
C329	1-126-942-61	ELECT	1000uF	20%	25V	
C330	1-126-942-61	ELECT	1000uF	20%	25V	
C333	1-126-965-11	ELECT	22uF	20%	50V	
C340	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C341	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C342	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C343	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C344	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C345	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C346	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C347	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C348	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C349	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C350	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C351	1-126-961-11	ELECT	2.2uF 20% 50V	J302	1-774-411-11	JACK, PIN 6P (MD/DAT IN, TAPE IN/OUT)	
C353	1-126-934-11	ELECT	220uF 20% 16V	J303	1-695-188-31	JACK, PIN 4P (TV/SAT/DVD IN)	
C354	1-125-896-11	MYLAR	0.0091uF 5% 50V	J304	1-695-188-31	JACK, PIN 4P (VIDEO 2 AUDIO IN/OUT)	
C355	1-136-159-00	MYLAR	0.033uF 5% 50V	J305	1-774-411-11	JACK, PIN 6P (VIDEO 1 IN/OUT, 2ND ZONE AUDIO OUT/FIXED)	
C356	1-126-961-11	ELECT	2.2uF 20% 50V	< TRANSISTOR >			
C357	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	Q301	8-729-230-49	TRANSISTOR	2SC2712-YG
C358	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	< RESISTOR >			
C359	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V	R301	1-216-864-11	SHORT CHIP	0
C373	1-126-965-11	ELECT	22uF 20% 50V	R302	1-216-845-11	METAL CHIP	100K 5% 1/10W
C375	1-126-965-11	ELECT	22uF 20% 50V	R303	1-216-845-11	METAL CHIP	100K 5% 1/10W
C376	1-126-965-11	ELECT	22uF 20% 50V	R304	1-216-812-11	METAL CHIP	180 5% 1/10W
C377	1-126-965-11	ELECT	22uF 20% 50V	R305	1-216-832-11	METAL CHIP	8.2K 5% 1/10W
C378	1-126-965-11	ELECT	22uF 20% 50V	R306	1-216-845-11	METAL CHIP	100K 5% 1/10W
C379	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	R307	1-216-809-11	METAL CHIP	100 5% 1/10W
C380	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	R308	1-216-845-11	METAL CHIP	100K 5% 1/10W
C383	1-126-965-11	ELECT	22uF 20% 50V	R309	1-216-817-11	METAL CHIP	470 5% 1/10W
C390	1-136-173-00	MYLAR	0.47uF 5% 50V	R310	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
C391	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R311	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
C392	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R312	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
C393	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	R313	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
C394	1-136-169-00	MYLAR	0.22uF 5% 50V	R314	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
C395	1-136-169-00	MYLAR	0.22uF 5% 50V	R315	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
C396	1-126-943-11	ELECT	2200uF 20% 25V	R316	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
C397	1-126-943-11	ELECT	2200uF 20% 25V	R317	1-216-206-00	RES-CHIP	2.2K 2% 1/8W
C398	1-115-339-11	CERAMIC CHIP	0.1uF 10% 50V	R318	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
C399	1-126-935-11	ELECT	470uF 20% 16V	R319	1-216-206-00	RES-CHIP	2.2K 2% 1/8W
< CONNECTOR >				R320	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
CN301	1-784-921-11	PIN, CONNECTOR 4P		R321	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
CNP302	1-784-921-11	PIN, CONNECTOR 4P		R322	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
CNP303	1-784-923-11	PIN, CONNECTOR 7P		R323	1-216-809-11	METAL CHIP	100 5% 1/10W
CNP304	1-784-928-11	PIN, CONNECTOR 13P		R324	1-216-845-11	METAL CHIP	100K 5% 1/10W
CNP305	1-779-978-11	PIN, CONNECTOR 3P		R327	1-208-583-11	RES-CHIP	220K 2% 1/8W
CNP306	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		R328	1-216-246-00	RES-CHIP	100K 2% 1/8W
CNP307	1-784-921-11	PIN, CONNECTOR 4P		R329	1-208-583-11	RES-CHIP	220K 2% 1/8W
< DIODE >				R330	1-216-246-00	RES-CHIP	100K 2% 1/8W
D301	8-719-988-61	DIODE 1SS355TE-17		R331	1-216-013-00	RES-CHIP	33 5% 1/10W
D314	8-719-988-61	DIODE 1SS355TE-17		R332	1-216-013-00	RES-CHIP	33 5% 1/10W
< IC >				R333	1-216-013-00	RES-CHIP	33 5% 1/10W
IC301	8-759-656-83	IC NJM4580MD- (TE2)		R334	1-216-013-00	RES-CHIP	33 5% 1/10W
IC302	8-759-835-78	IC TC9274N-015		R335	1-216-013-00	RES-CHIP	33 5% 1/10W
IC303	8-759-835-78	IC TC9274N-015		R336	1-216-013-00	RES-CHIP	33 5% 1/10W
IC304	8-759-582-66	IC TC9273N-013		R341	1-216-849-11	METAL CHIP	220K 5% 1/10W
IC306	8-759-710-97	IC NJM4565M-D		R349	1-216-864-11	SHORT CHIP	0
IC307	8-759-710-97	IC NJM4565M-D		R351	1-216-864-11	SHORT CHIP	0
IC308	8-759-231-59	IC TA7815S		R352	1-216-845-11	METAL CHIP	100K 5% 1/10W
IC309	8-759-245-87	IC TA79015S		R353	1-216-845-11	METAL CHIP	100K 5% 1/10W
IC310	8-759-231-58	IC TA7812S		R354	1-216-812-11	METAL CHIP	180 5% 1/10W
IC312	8-759-231-59	IC TA7815S		R355	1-216-832-11	METAL CHIP	8.2K 5% 1/10W
IC313	8-759-245-87	IC TA79015S		R356	1-216-845-11	METAL CHIP	100K 5% 1/10W
IC314	8-759-710-97	IC NJM4565M-D		R357	1-216-809-11	METAL CHIP	100 5% 1/10W
< JACK >				R358	1-216-845-11	METAL CHIP	100K 5% 1/10W
J301	1-774-411-11	JACK, PIN 6P (PHONO/SA-CD/CD IN, MD/DAT OUT)		R359	1-216-817-11	METAL CHIP	470 5% 1/10W
				R360	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
				R361	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
				R362	1-208-782-11	METAL CHIP	1K 0.5% 1/10W

STR-DA3100ES

INPUT

JOG

KEY

LED

POWER SW SUB

S-VIDEO

Ref. No.	Part No.	Description			Remark
R363	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R364	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R365	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R366	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R367	1-216-206-00	RES-CHIP	2.2K	2%	1/8W
R368	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R369	1-216-206-00	RES-CHIP	2.2K	2%	1/8W
R370	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R371	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R372	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R373	1-216-809-11	METAL CHIP	100	5%	1/10W
R374	1-216-845-11	METAL CHIP	100K	5%	1/10W
R377	1-208-583-11	RES-CHIP	220K	2%	1/8W
R378	1-216-246-00	RES-CHIP	100K	2%	1/8W
R379	1-208-583-11	RES-CHIP	220K	2%	1/8W
R380	1-216-246-00	RES-CHIP	100K	2%	1/8W
R391	1-216-849-11	METAL CHIP	220K	5%	1/10W
△ R392	1-249-393-11	CARBON	10	5%	1/4W F
R393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R394	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R397	1-216-864-11	SHORT CHIP	0		
R399	1-216-864-11	SHORT CHIP	0		
< RELAY >					
RY301	1-755-484-11	RELAY			

JOG BOARD					

< CONNECTOR >					
CN1013	1-785-820-11	CONNECTOR, BOARD TO BOARD 15P			
< DIODE >					
D1025	8-719-988-61	DIODE 1SS355TE-17			
D1026	8-719-988-61	DIODE 1SS355TE-17			
< RESISTOR >					
R1043	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1044	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1045	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1046	1-216-841-11	METAL CHIP	47K	5%	1/10W
< VARIABLE RESISTOR >					
RV1001	1-478-017-11	ENCODER, ROTARY (BASS)			
RV1002	1-478-017-11	ENCODER, ROTARY (TREBLE)			
RV1003	1-478-017-11	ENCODER, ROTARY (MAIN MENU)			
RV1004	1-478-017-11	ENCODER, ROTARY (MENU)			
RV1005	1-478-017-11	ENCODER, ROTARY (-/+)			
< SWITCH >					
SW1001	1-762-684-11	SWITCH, ROTARY (SPEAKERS)			

Ref. No.	Part No.	Description	Remark		
KEY BOARD BOARD					

< RESISTOR >					
R1056	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1057	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1058	1-216-821-11	METAL CHIP	1K	5%	1/10W
< SWITCH >					
S1015	1-771-349-21	SWITCH, KEYBOARD (MUSIC)			
S1016	1-771-349-21	SWITCH, KEYBOARD (MOVIE)			
S1017	1-771-349-21	SWITCH, KEYBOARD (A.F.D.)			
S1018	1-771-349-21	SWITCH, KEYBOARD (2CH)			

LED BOARD					

< CONNECTOR >					
CN1021	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
< LED >					
D1014	8-719-313-66	LED SEL6410E-TH12 (DIRECT)			
< RESISTOR >					
R1025	1-216-811-11	METAL CHIP	150	5%	1/10W

POWER SW SUB BOARD					

< SWITCH >					
S1013	1-771-349-21	SWITCH, KEYBOARD (I/⏻)			

A-1087-086-A		S-VIDEO BOARD, COMPLETE			

< CAPACITOR >					
C201	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C211	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C212	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C213	1-126-964-11	ELECT	10uF	20%	50V
C214	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C215	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C216	1-126-964-11	ELECT	10uF	20%	50V
C221	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C222	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C223	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C224	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C225	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C226	1-126-964-11	ELECT	10uF	20%	50V
C231	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C232	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C233	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C234	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C235	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C236	1-126-964-11	ELECT	10uF	20%	50V
C238	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C239	1-126-964-11	ELECT	10uF 20% 50V	Q3523	8-729-216-22	TRANSISTOR	2SA1162-G
C240	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	Q3531	8-729-140-97	TRANSISTOR	2SB734-34
C241	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	Q3532	8-729-027-43	TRANSISTOR	DTC114EKA-T146
C242	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V			< RESISTOR >	
C243	1-126-947-11	ELECT	47uF 20% 35V				
C244	1-126-947-11	ELECT	47uF 20% 35V	R201	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C245	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R203	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C246	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	R204	1-216-821-11	METAL CHIP	1K 5% 1/10W
C247	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R205	1-216-864-11	SHORT CHIP	0
C248	1-126-947-11	ELECT	47uF 20% 35V	R206	1-216-833-11	METAL CHIP	10K 5% 1/10W
C249	1-126-947-11	ELECT	47uF 20% 35V	R211	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C3501	1-162-921-11	CERAMIC CHIP	33PF 5% 50V	R212	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C3502	1-162-917-11	CERAMIC CHIP	15PF 5% 50V	R213	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C3503	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R214	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C3504	1-126-947-11	ELECT	47uF 20% 35V	R215	1-216-864-11	SHORT CHIP	0
C3505	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R221	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C3506	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	R223	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C3510	1-162-919-11	CERAMIC CHIP	22PF 5% 50V	R224	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C3511	1-162-913-11	CERAMIC CHIP	8PF 0.5PF 50V	R225	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C3512	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R226	1-216-864-11	SHORT CHIP	0
C3524	1-126-933-11	ELECT	100uF 20% 16V	R227	1-216-833-11	METAL CHIP	10K 5% 1/10W
C3525	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	R231	1-211-990-11	METAL CHIP	75 0.5% 1/10W
		< CONNECTOR >		R233	1-211-990-11	METAL CHIP	75 0.5% 1/10W
CNP242	1-779-977-11	PIN, CONNECTOR 6P		R234	1-211-990-11	METAL CHIP	75 0.5% 1/10W
CNS241	1-784-784-11	CONNECTOR, FFC 23P		R235	1-211-990-11	METAL CHIP	75 0.5% 1/10W
		< TRIMMER >		R236	1-216-864-11	SHORT CHIP	0
CT3502	1-141-442-91	CAP, CERAMIC TRIMMER		R237	1-216-833-11	METAL CHIP	10K 5% 1/10W
		< FERRITE BEAD >		R241	1-216-845-11	METAL CHIP	100K 5% 1/10W
FB241	1-469-152-11	FERRITE, EMI (SMD) (2012)		R242	1-216-845-11	METAL CHIP	100K 5% 1/10W
FB242	1-469-152-11	FERRITE, EMI (SMD) (2012)		R243	1-216-845-11	METAL CHIP	100K 5% 1/10W
FB243	1-469-152-11	FERRITE, EMI (SMD) (2012)		R244	1-216-845-11	METAL CHIP	100K 5% 1/10W
FB244	1-469-152-11	FERRITE, EMI (SMD) (2012)		R245	1-216-845-11	METAL CHIP	100K 5% 1/10W
FB3503	1-469-152-11	FERRITE, EMI (SMD) (2012)		R3501	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
		< IC >		R3502	1-216-814-11	METAL CHIP	270 5% 1/10W
IC201	6-704-199-01	IC NJM2595M-TE2		R3521	1-216-821-11	METAL CHIP	1K 5% 1/10W
IC202	6-700-050-01	IC NJM2596M (TE2)		R3522	1-216-821-11	METAL CHIP	1K 5% 1/10W
IC3501	6-700-367-01	IC MB90089PF-G-238-BND		R3523	1-216-821-11	METAL CHIP	1K 5% 1/10W
		< JACK >		R3527	1-216-809-11	METAL CHIP	100 5% 1/10W
J201	1-537-943-11	TERMINAL, S (MONITOR OUT S2 VUVIDEO)		R3528	1-216-809-11	METAL CHIP	100 5% 1/10W
J202	1-764-676-11	CONNECTOR		R3529	1-216-809-11	METAL CHIP	100 5% 1/10W
		(ROUND TYPE) (TV/SAT/DVD IN S2 VIDEO)		R3531	1-216-833-11	METAL CHIP	10K 5% 1/10W
J203	1-764-676-11	CONNECTOR		R3532	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
		(ROUND TYPE) (VIDEO 2 S2 VIDEO IN/OUT)		R3805	1-216-809-11	METAL CHIP	100 5% 1/10W
J204	1-764-676-11	CONNECTOR (ROUND TYPE)		R3807	1-216-809-11	METAL CHIP	100 5% 1/10W
		(VIDEO 1 S2 VIDEO IN/OUT)		R3808	1-216-809-11	METAL CHIP	100 5% 1/10W
		< COIL >				< CONNECTOR >	
L3501	1-412-955-11	INDUCTOR	22uH	TP3501	1-784-921-11	PIN, CONNECTOR 4P	
		< TRANSISTOR >				< VIBRATOR >	
Q3521	8-729-216-22	TRANSISTOR	2SA1162-G	X3501	1-781-821-21	VIBRATOR, CRYSTAL (14.31MHz)	
Q3522	8-729-216-22	TRANSISTOR	2SA1162-G			*****	
					A-1087-074-A	VIDEO BOARD, COMPLETE	

						< CAPACITOR >	
				C3275	1-126-964-11	ELECT	10uF 20% 50V

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C3276	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3616	1-126-933-11	ELECT	100uF	20%	16V
C3277	1-126-916-11	ELECT	1000uF	20%	6.3V	C3617	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3278	1-126-933-11	ELECT	100uF	20%	16V	C3618	1-126-933-11	ELECT	100uF	20%	16V
C3279	1-126-962-11	ELECT	3.3uF	20%	50V	C3619	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3323	1-126-964-11	ELECT	10uF	20%	50V	C3620	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3324	1-126-964-11	ELECT	10uF	20%	50V	C3621	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C3325	1-126-964-11	ELECT	10uF	20%	50V	C3622	1-126-933-11	ELECT	100uF	20%	16V
C3335	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3623	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3336	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3624	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3401	1-126-964-11	ELECT	10uF	20%	50V	C3631	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C3402	1-126-964-11	ELECT	10uF	20%	50V	C3632	1-136-153-00	MYLAR	0.01uF	5%	50V
C3403	1-126-964-11	ELECT	10uF	20%	50V	C3634	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3404	1-126-964-11	ELECT	10uF	20%	50V	C3641	1-126-964-11	ELECT	10uF	20%	50V
C3405	1-126-964-11	ELECT	10uF	20%	50V	C3645	1-126-947-11	ELECT	47uF	20%	35V
C3406	1-126-964-11	ELECT	10uF	20%	50V	C3646	1-126-947-11	ELECT	47uF	20%	35V
C3407	1-126-964-11	ELECT	10uF	20%	50V	C3647	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C3408	1-126-964-11	ELECT	10uF	20%	50V	C3648	1-164-160-11	CERAMIC CHIP	20PF	5%	50V
C3409	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C3649	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C3410	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C3651	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3411	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C3652	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3421	1-126-933-11	ELECT	100uF	20%	16V	C3653	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C3422	1-126-933-11	ELECT	100uF	20%	16V	C3671	1-126-964-11	ELECT	10uF	20%	50V
C3423	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3672	1-126-964-11	ELECT	10uF	20%	50V
C3424	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C3673	1-126-964-11	ELECT	10uF	20%	50V
C3425	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C3674	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3426	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C3675	1-126-947-11	ELECT	47uF	20%	35V
C3427	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C3676	1-126-947-11	ELECT	47uF	20%	35V
C3428	1-126-964-11	ELECT	10uF	20%	50V	C3677	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3431	1-126-947-11	ELECT	47uF	20%	35V	C3678	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3432	1-126-947-11	ELECT	47uF	20%	35V	C3679	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3433	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3701	1-126-960-11	ELECT	1uF	20%	50V
C3434	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C3702	1-126-960-11	ELECT	1uF	20%	50V
C3435	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C3707	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C3436	1-126-964-11	ELECT	10uF	20%	50V	C3709	1-126-959-11	ELECT	0.47uF	20%	50V
C3437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C3710	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C3438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C3711	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3439	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3712	1-126-947-11	ELECT	47uF	20%	35V
C3440	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3713	1-126-959-11	ELECT	0.47uF	20%	50V
C3441	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3714	1-126-960-11	ELECT	1uF	20%	50V
C3442	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	C3715	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C3521	1-126-964-11	ELECT	10uF	20%	50V	C3716	1-136-165-00	MYLAR	0.1uF	5%	50V
C3522	1-126-964-11	ELECT	10uF	20%	50V	C3717	1-126-959-11	ELECT	0.47uF	20%	50V
C3523	1-126-964-11	ELECT	10uF	20%	50V	C3718	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3601	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3719	1-126-960-11	ELECT	1uF	20%	50V
C3602	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C3720	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3603	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3723	1-126-964-11	ELECT	10uF	20%	50V
C3604	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	C3724	1-126-933-11	ELECT	100uF	20%	16V
C3605	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3725	1-126-947-11	ELECT	47uF	20%	35V
C3606	1-126-964-11	ELECT	10uF	20%	50V	C3726	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3607	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3731	1-126-962-11	ELECT	3.3uF	20%	50V
C3608	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3732	1-126-933-11	ELECT	100uF	20%	16V
C3609	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3733	1-126-916-11	ELECT	1000uF	20%	6.3V
C3610	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3734	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C3611	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3751	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C3612	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3752	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3613	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3753	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3614	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C3801	1-126-933-11	ELECT	100uF	20%	16V
C3615	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C3803	1-126-933-11	ELECT	100uF 20% 16V	IC3812	8-759-268-29	IC SN74HC595ANS	
C3805	1-126-933-11	ELECT	100uF 20% 16V	IC3813	8-759-268-29	IC SN74HC595ANS	
C3808	1-162-927-11	CERAMIC CHIP	100PF 5% 50V			< JACK >	
C3809	1-162-927-11	CERAMIC CHIP	100PF 5% 50V				
C3812	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	J3301	1-815-573-11	JACK, PIN BLOCK 9P (COMPONENT VIDEO ASSIGNABLE)	
C3813	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	J3401	1-770-337-11	JACK, PIN 3P (MONITOR OUT VIDEO, TV/SAT/DVD IN VIDEO)	
		< CONNECTOR >		J3402	1-518-043-11	JACK, PIN 2P (VIDEO 2 VIDEO IN/OUT)	
CN3801	1-784-778-11	CONNECTOR, FFC 17P		J3403	1-770-337-11	JACK, PIN 3P (VIDEO 1 VIDEO IN/OUT, 2ND ZONE VIDEO OUT)	
CN3803	1-784-784-11	CONNECTOR, FFC 23P				< JUMPER RESISTOR >	
CN3804	1-784-766-11	CONNECTOR, FFC 5P					
		< DIODE >		JR3801	1-216-295-00	SHORT CHIP	0
D3253	8-719-016-74	DIODE 1SS352		JW3601	1-216-864-11	SHORT CHIP	0
D3254	8-719-016-74	DIODE 1SS352		JW3603	1-216-864-11	SHORT CHIP	0
D3301	8-719-016-74	DIODE 1SS352		JW3605	1-216-864-11	SHORT CHIP	0
D3302	8-719-016-74	DIODE 1SS352		JW3608	1-216-864-11	SHORT CHIP	0
D3421	8-719-016-74	DIODE 1SS352				< TRANSISTOR >	
D3422	8-719-016-74	DIODE 1SS352		Q3252	8-729-027-43	TRANSISTOR	DTC114EKA-T146
D3431	8-719-016-74	DIODE 1SS352		Q3301	8-729-230-49	TRANSISTOR	2SC2712-YG
D3432	8-719-016-74	DIODE 1SS352		Q3302	8-729-230-49	TRANSISTOR	2SC2712-YG
D3671	8-719-016-74	DIODE 1SS352		Q3304	8-729-230-49	TRANSISTOR	2SC2712-YG
D3672	8-719-016-74	DIODE 1SS352		Q3601	8-729-230-49	TRANSISTOR	2SC2712-YG
D3721	8-719-016-74	DIODE 1SS352		Q3604	8-729-230-49	TRANSISTOR	2SC2712-YG
D3722	8-719-016-74	DIODE 1SS352		Q3621	8-729-216-22	TRANSISTOR	2SA1162-G
D3723	8-719-016-74	DIODE 1SS352		Q3622	8-729-230-49	TRANSISTOR	2SC2712-YG
D3731	8-719-016-74	DIODE 1SS352		Q3623	8-729-230-49	TRANSISTOR	2SC2712-YG
D3732	8-719-016-74	DIODE 1SS352		Q3624	8-729-216-22	TRANSISTOR	2SA1162-G
D3733	8-719-016-74	DIODE 1SS352		Q3631	8-729-216-22	TRANSISTOR	2SA1162-G
		< FERRITE BEAD >		Q3632	8-729-230-49	TRANSISTOR	2SC2712-YG
FB3252	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3633	8-729-230-49	TRANSISTOR	2SC2712-YG
FB3421	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3647	8-729-216-22	TRANSISTOR	2SA1162-G
FB3422	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3651	8-729-230-49	TRANSISTOR	2SC2712-YG
FB3431	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3652	8-729-230-49	TRANSISTOR	2SC2712-YG
FB3432	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3653	8-729-230-49	TRANSISTOR	2SC2712-YG
FB3601	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3671	8-729-216-22	TRANSISTOR	2SA1162-G
FB3602	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3672	8-729-230-49	TRANSISTOR	2SC2712-YG
FB3661	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3673	8-729-216-22	TRANSISTOR	2SA1162-G
FB3662	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3674	8-729-230-49	TRANSISTOR	2SC2712-YG
FB3801	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q3675	8-729-216-22	TRANSISTOR	2SA1162-G
		< FLUORESCENT INDICATOR >		Q3676	8-729-230-49	TRANSISTOR	2SC2712-YG
FL3621	1-239-847-11	FILTER, LOW PASS		Q3677	8-729-027-43	TRANSISTOR	DTC114EKA-T146
FL3631	1-239-847-11	FILTER, LOW PASS		Q3678	8-729-027-23	TRANSISTOR	DTA114EKA-T146
		< IC >		Q3701	8-729-216-22	TRANSISTOR	2SA1162-G
IC3253	8-759-822-05	IC LA7213		Q3731	1-801-806-11	TRANSISTOR	DTC144EKA
IC3321	8-759-663-94	IC LA7106M-TLM				< RESISTOR >	
IC3421	6-704-199-01	IC NJM2595M-TE2		R3275	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
IC3431	6-704-199-01	IC NJM2595M-TE2		R3276	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
IC3601	8-752-386-17	IC CXD2064Q		R3277	1-216-847-11	METAL CHIP	150K 5% 1/10W
IC3651	8-759-300-71	IC HD14053BFP		R3278	1-216-815-11	METAL CHIP	330 5% 1/10W
IC3671	8-759-663-94	IC LA7106M-TLM		R3301	1-211-990-11	METAL CHIP	75 0.5% 1/10W
IC3701	8-752-109-74	IC CXA2199Q		R3302	1-211-990-11	METAL CHIP	75 0.5% 1/10W
IC3731	8-759-822-05	IC LA7213		R3303	1-211-990-11	METAL CHIP	75 0.5% 1/10W
IC3751	8-759-300-71	IC HD14053BFP		R3304	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
				R3305	1-216-833-11	METAL CHIP	10K 5% 1/10W
				R3306	1-216-829-11	METAL CHIP	4.7K 5% 1/10W

STR-DA3100ES

VIDEO

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R3307	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3642	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3315	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3316	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3644	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R3318	1-216-864-11	SHORT CHIP	0			R3645	1-216-809-11	METAL CHIP	100	5%	1/10W
R3319	1-216-864-11	SHORT CHIP	0			R3646	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3320	1-216-864-11	SHORT CHIP	0			R3647	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3321	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3651	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3322	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3652	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3323	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3653	1-216-809-11	METAL CHIP	100	5%	1/10W
R3324	1-216-809-11	METAL CHIP	100	5%	1/10W	R3654	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3401	1-216-864-11	SHORT CHIP	0			R3655	1-216-817-11	METAL CHIP	470	5%	1/10W
R3402	1-216-864-11	SHORT CHIP	0			R3656	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3403	1-216-864-11	SHORT CHIP	0			R3657	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3404	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3658	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3405	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3659	1-216-809-11	METAL CHIP	100	5%	1/10W
R3406	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3671	1-216-813-11	METAL CHIP	220	5%	1/10W
R3407	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3672	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R3408	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3673	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R3409	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3674	1-216-839-11	METAL CHIP	33K	5%	1/10W
R3410	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3675	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3411	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3676	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3412	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3677	1-216-813-11	METAL CHIP	220	5%	1/10W
R3421	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3678	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R3422	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R3679	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R3423	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3680	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3524	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3681	1-216-839-11	METAL CHIP	33K	5%	1/10W
R3525	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3682	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3526	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3683	1-216-813-11	METAL CHIP	220	5%	1/10W
R3603	1-216-842-11	METAL CHIP	56K	5%	1/10W	R3684	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R3604	1-216-818-11	METAL CHIP	560	5%	1/10W	R3685	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R3605	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R3686	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3606	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3687	1-216-839-11	METAL CHIP	33K	5%	1/10W
R3607	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W	R3688	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3610	1-216-809-11	METAL CHIP	100	5%	1/10W	R3689	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3611	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R3690	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3612	1-218-839-11	METAL CHIP	470	0.5%	1/10W	R3701	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3619	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3703	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3621	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R3704	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3622	1-216-809-11	METAL CHIP	100	5%	1/10W	R3705	1-216-809-11	METAL CHIP	100	5%	1/10W
R3623	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3706	1-216-809-11	METAL CHIP	100	5%	1/10W
R3624	1-218-289-11	METAL CHIP	510	5%	1/10W	R3707	1-216-809-11	METAL CHIP	100	5%	1/10W
R3625	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R3708	1-216-813-11	METAL CHIP	220	5%	1/10W
R3626	1-216-839-11	METAL CHIP	33K	5%	1/10W	R3709	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3627	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3710	1-216-815-11	METAL CHIP	330	5%	1/10W
R3628	1-218-845-11	METAL CHIP	820	0.5%	1/10W	R3711	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R3629	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R3712	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3631	1-218-829-11	METAL CHIP	180	0.5%	1/10W	R3713	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3632	1-216-809-11	METAL CHIP	100	5%	1/10W	R3714	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3633	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3715	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3634	1-218-289-11	METAL CHIP	510	5%	1/10W	R3716	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3635	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R3717	1-216-848-11	METAL CHIP	180K	5%	1/10W
R3636	1-216-839-11	METAL CHIP	33K	5%	1/10W	R3731	1-216-815-11	METAL CHIP	330	5%	1/10W
R3637	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3732	1-216-847-11	METAL CHIP	150K	5%	1/10W
R3638	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R3733	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3639	1-216-809-11	METAL CHIP	100	5%	1/10W	R3734	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3640	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R3735	1-216-864-11	SHORT CHIP	0		
R3641	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	R3736	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R3801	1-216-809-11	METAL CHIP	100	5%	1/10W

VIDEO

VIDEO (3)

VOL

Ref. No.	Part No.	Description	Remark		
R3802	1-216-809-11	METAL CHIP	100	5%	1/10W
R3803	1-216-809-11	METAL CHIP	100	5%	1/10W
R3804	1-216-809-11	METAL CHIP	100	5%	1/10W
R3806	1-216-809-11	METAL CHIP	100	5%	1/10W
R3809	1-216-833-11	METAL CHIP	10K	5%	1/10W
< RELAY >					
RY3301	1-755-359-11	RELAY			
RY3302	1-755-359-11	RELAY			
RY3303	1-755-359-11	RELAY			
RY3304	1-755-359-11	RELAY			
< VIBRATOR >					
X3701	1-781-342-21	OSCILLATOR, CRYSTAL (3.5795MHz)			
X3703	1-577-611-11	OSCILALTOR, CERAMIC (500kHz)			

VIDEO (3) BOARD					

< CAPACITOR/JUMPER RESISTOR >					
C1028	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1029	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1030	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1032	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1035	1-216-864-11	SHORT CHIP	0		
C1036	1-216-864-11	SHORT CHIP	0		
C1037	1-100-385-91	CERAMIC CHIP	0.47uF		25V
C1038	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
< CONNECTOR >					
* CN1019	1-564-728-11	PIN, CONNECTOR (SMALL TYPE) 12P			
< EARTH TERMINAL >					
* EB1002	1-537-738-21	TERMINAL, EARTH			
< IC >					
IC1006	6-600-219-01	IC GP1FM313RZ0F			
(VIDEO 3 INPUT DIGITAL OPTICAL)					
< JACK >					
J1002	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P			
(VIDEO 3 INPUT VIDEO/AUDIO)					
J1003	1-784-808-11	TERMINAL, S (VIDEO 3 INPUT S2 VIDEO)			
< RESISTOR >					
R1047	1-216-809-11	METAL CHIP	100	5%	1/10W
R1048	1-216-809-11	METAL CHIP	100	5%	1/10W
R1049	1-216-809-11	METAL CHIP	100	5%	1/10W
R1050	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R1051	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R1052	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R1059	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1060	1-216-845-11	METAL CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description	Remark
		VOL BOARD	*****
		< CONNECTOR >	
* CN1004	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
		< VARIABLE RESISTOR >	
RV1007	1-477-382-11	ENCODER, ROTARY (MASTER VOLUME)	*****
		MISCELLANEOUS	*****
70	1-769-141-11	WIRE (FLAT TYPE) (23 CORE)	
72	1-828-992-11	WIRE (FLAT TYPE) (17 CORE)	
153	1-829-019-11	WIRE (FLAT TYPE) (23 CORE)	
154	1-828-934-11	WIRE (FLAT TYPE) (5 CORE)	
155	1-823-582-11	WIRE (FLAT TYPE) (15 CORE)	
156	1-828-989-11	WIRE (FLAT TYPE) (17 CORE)	
201	1-828-985-11	WIRE (FLAT TYPE) (15 CORE)	
252	1-828-971-11	WIRE (FLAT TYPE) (13 CORE)	
△ F801	1-576-379-11	FUSE (15A/250V)	
△ F802	1-576-379-11	FUSE (15A/250V)	
△ F805	1-533-419-12	FUSE, GLASS CYLINDRICAL(DIA.5) (4A/125V)	
△ F806	1-533-419-12	FUSE, GLASS CYLINDRICAL(DIA.5) (4A/125V)	
△ F810	1-533-614-12	FUSE, GLASS CYLINDRICAL (1.6A/125V)	(Canadian)
△ F811	1-533-614-12	FUSE, GLASS CYLINDRICAL (1.6A/125V)	(Canadian)
△ F901	1-576-379-11	FUSE (15A/250V)	
IC502	8-749-014-72	IC SAP15N	
IC503	8-749-014-73	IC SAP15P	
IC552	8-749-014-72	IC SAP15N	
IC553	8-749-014-73	IC SAP15P	
IC602	8-749-014-72	IC SAP15N	
IC603	8-749-014-73	IC SAP15P	
IC652	8-749-014-72	IC SAP15N	
IC653	8-749-014-73	IC SAP15P	
IC654	8-749-014-72	IC SAP15N	
IC655	8-749-014-73	IC SAP15P	
IC702	8-749-014-72	IC SAP15N	
IC703	8-749-014-73	IC SAP15P	
IC752	8-749-014-72	IC SAP15N	
IC753	8-749-014-73	IC SAP15P	
△ T902	1-437-870-12	TRANSFORMER, POWER (US)	
△ T902	1-437-872-12	TRANSFORMER, POWER (Canadian)	
TU2101	1-693-539-21	TUNER	*****
		ACCESSORIESE	*****
1-479-152-11		COMMANDER, STANDARD (RM-AAE001)	
1-479-320-11		COMMANDER, STANDARD (RM-US106A)	
1-501-374-12		ANTENNA, LOOP (AM)	
1-793-184-23		CONNECTOR (F TYPE ADAPTOR) (FM)	
△ 1-823-512-12		CORD, POWER	
2-514-877-12		MANUAL, INSTRUCTION (ENGLISH)	
2-514-877-22		MANUAL, INSTRUCTION (FRENCH) (Canadian)	

MEMO

STR-DA3100ES

SONY®

*US Model
Canadian Model*

SERVICE MANUAL

Ver. 1.3 2005.10

SUPPLEMENT-1

Subject: Change of DIGITAL board (suffix-12)
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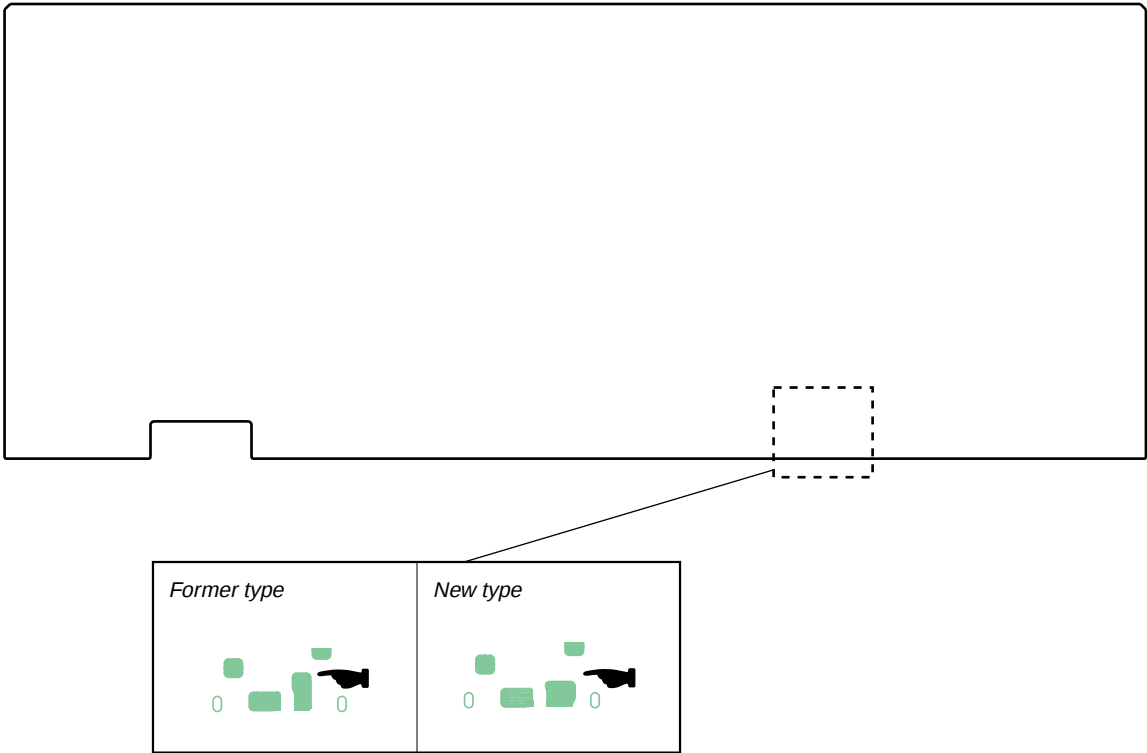
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1. NEW/FORMER TYPE DESCRIPTION

New/former type of the DIGITAL board is discriminated by difference of the pattern.

– DIGITAL BOARD (Component Side) –



2. DIAGRAMS

• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

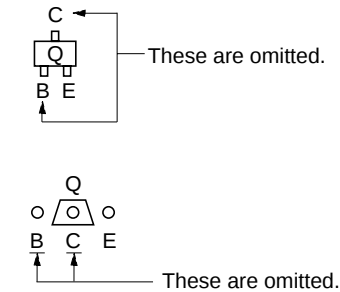
- — : parts extracted from the component side.
- : parts extracted from the conductor side.
- △ : internal component.
- : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:

Pattern face side:	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side:	Parts on the parts face side seen from the parts face are indicated.

- DIGITAL board is multi-layer printed board. However, the patterns of Intermedia layers have not been included in this diagrams.
- Indication of transistor



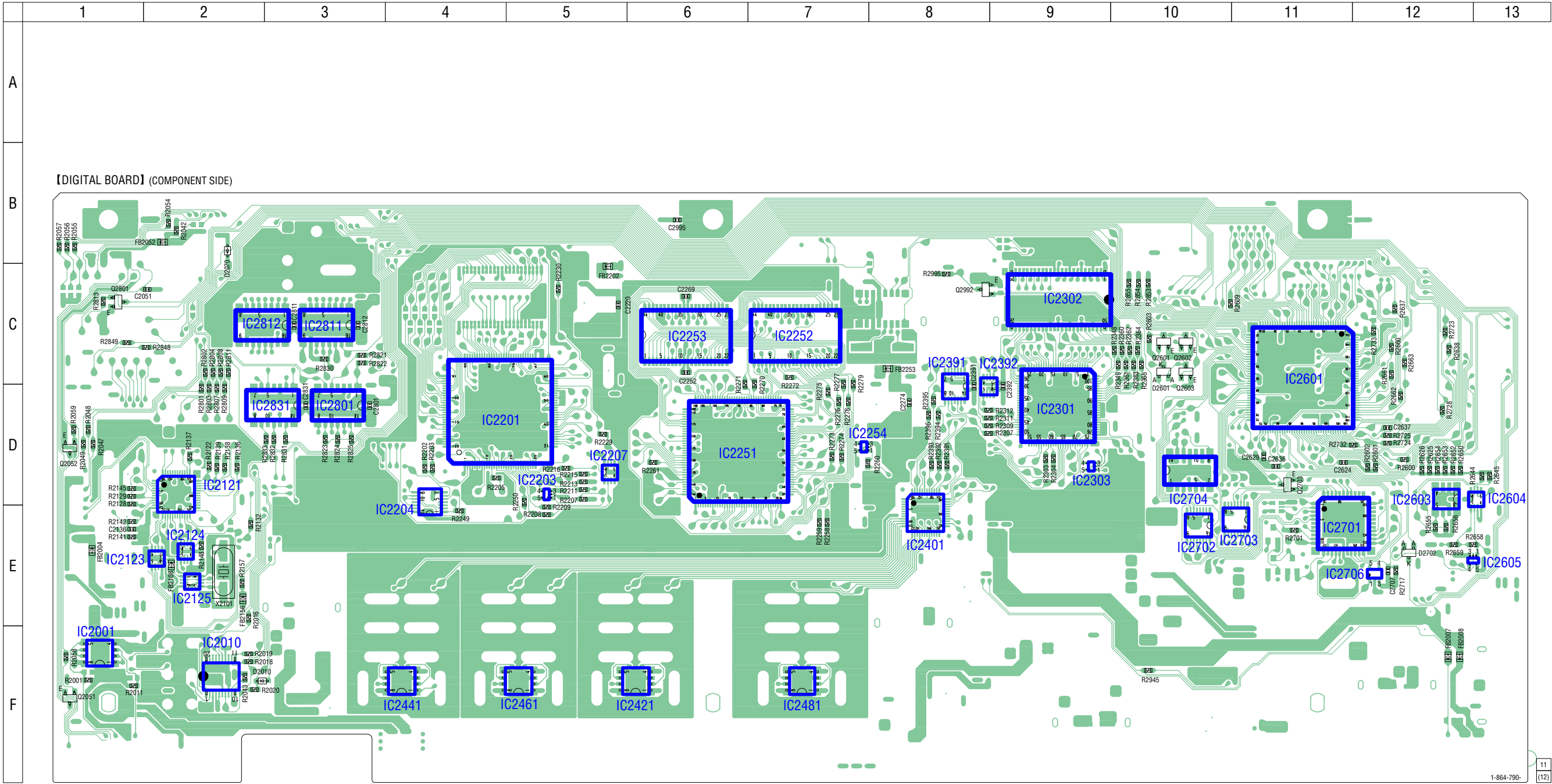
Note on Schematic Diagram:

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

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Note: Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
--	--

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

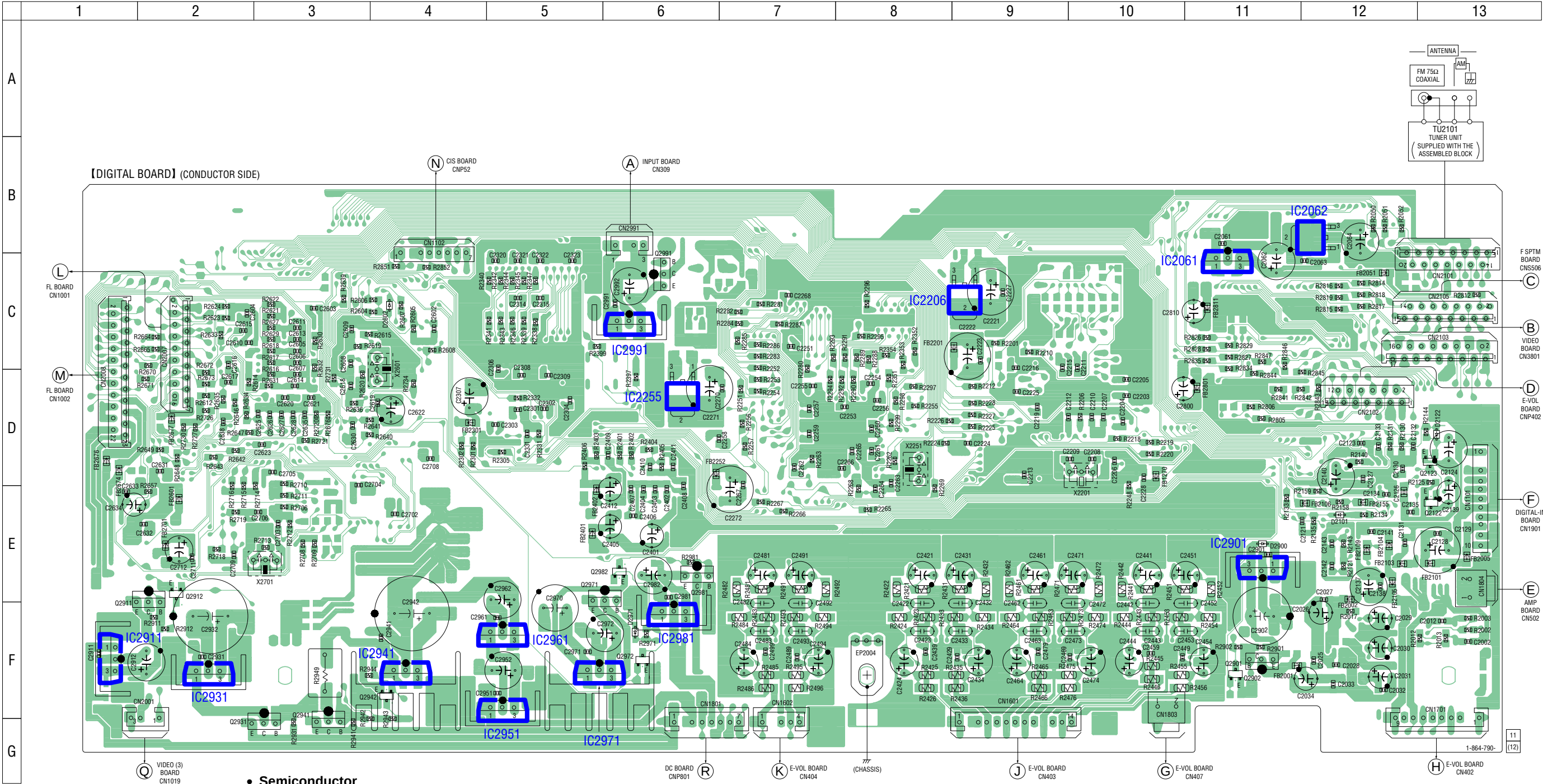
2-1. PRINTED WIRING BOARD – DIGITAL Board (Component Side) –  : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2010	F-2	IC2253	C-6	IC2702	E-10
D2070	B-2	IC2254	D-7	IC2703	E-11
D2601	C-10	IC2301	D-9	IC2704	D-10
D2702	E-12	IC2302	C-9	IC2706	E-12
		IC2303	D-9	IC2801	D-3
IC2001	F-1	IC2391	D-8	IC2811	C-3
IC2010	F-2	IC2392	D-8	IC2812	C-2
IC2121	D-2	IC2401	E-8	IC2831	D-3
IC2123	E-2	IC2421	F-6		
IC2124	E-2	IC2441	F-4	Q2051	F-1
IC2125	E-2	IC2461	F-5	Q2052	D-1
IC2201	D-4	IC2481	F-7	Q2601	C-10
IC2203	D-5	IC2601	C-11	Q2602	C-10
IC2204	D-4	IC2603	D-12	Q2603	C-10
IC2207	D-5	IC2604	D-13	Q2703	D-11
IC2251	D-6	IC2605	E-12	Q2801	C-1
IC2252	C-7	IC2701	E-11	Q2992	C-8

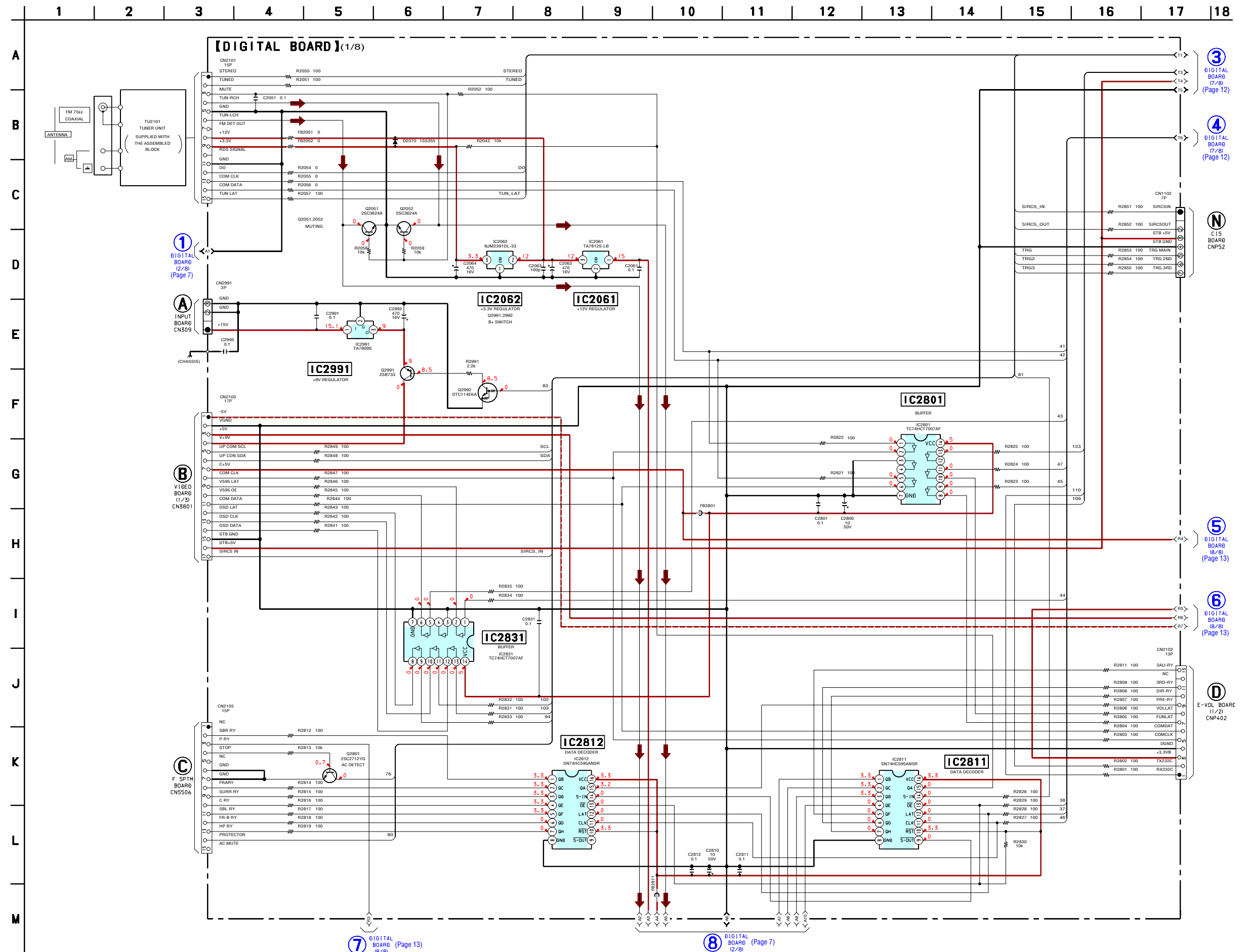
2-2. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) – : Uses unleaded solder.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D2101	E-12	IC2981	F-6
D2122	D-13	IC2991	C-6
D2602	C-4		
D2900	E-11	Q2122	E-13
D2971	F-6	Q2123	D-13
		Q2901	F-11
IC2061	C-11	Q2902	F-11
IC2062	B-12	Q2911	E-2
IC2206	C-9	Q2912	E-2
IC2255	D-6	Q2931	G-3
IC2901	E-11	Q2941	G-3
IC2911	F-1	Q2942	F-4
IC2931	F-2	Q2971	E-6
IC2941	F-4	Q2972	F-6
IC2951	F-5	Q2981	E-6
IC2961	F-5	Q2982	E-6
IC2971	F-5	Q2991	C-6

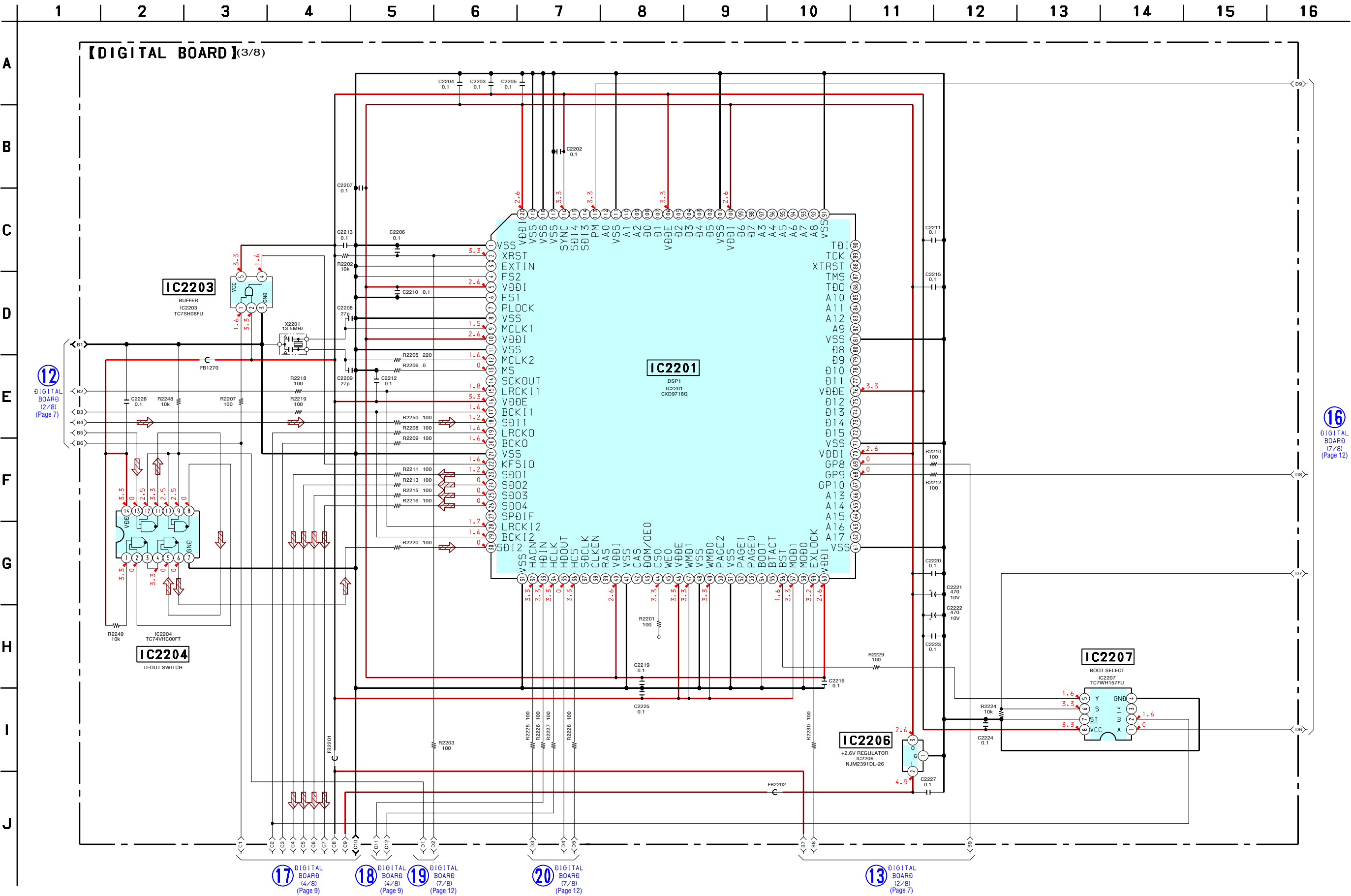
A horizontal number line with five segments labeled 1, 2, 3, 4, and 5 from left to right.



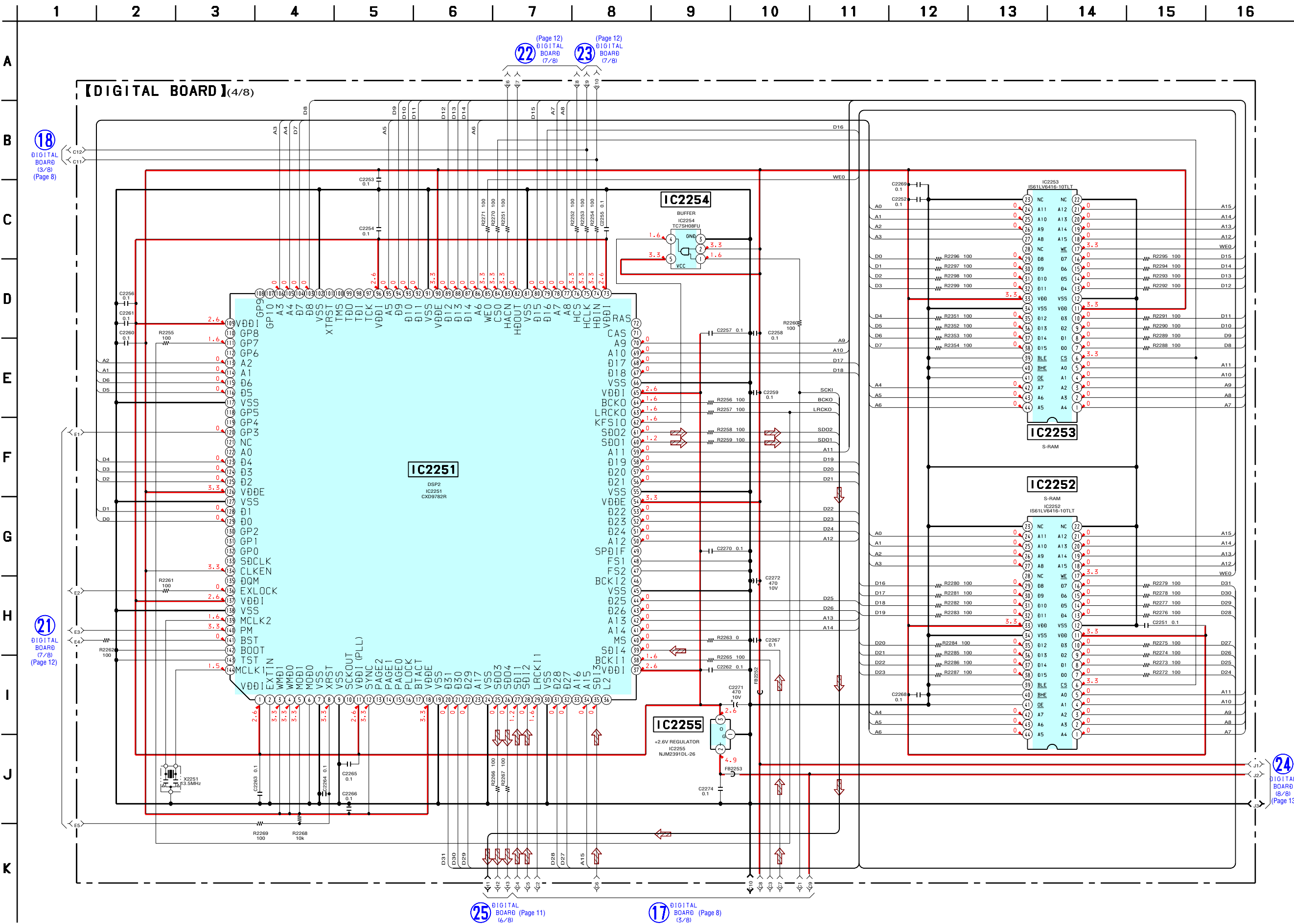
7 7



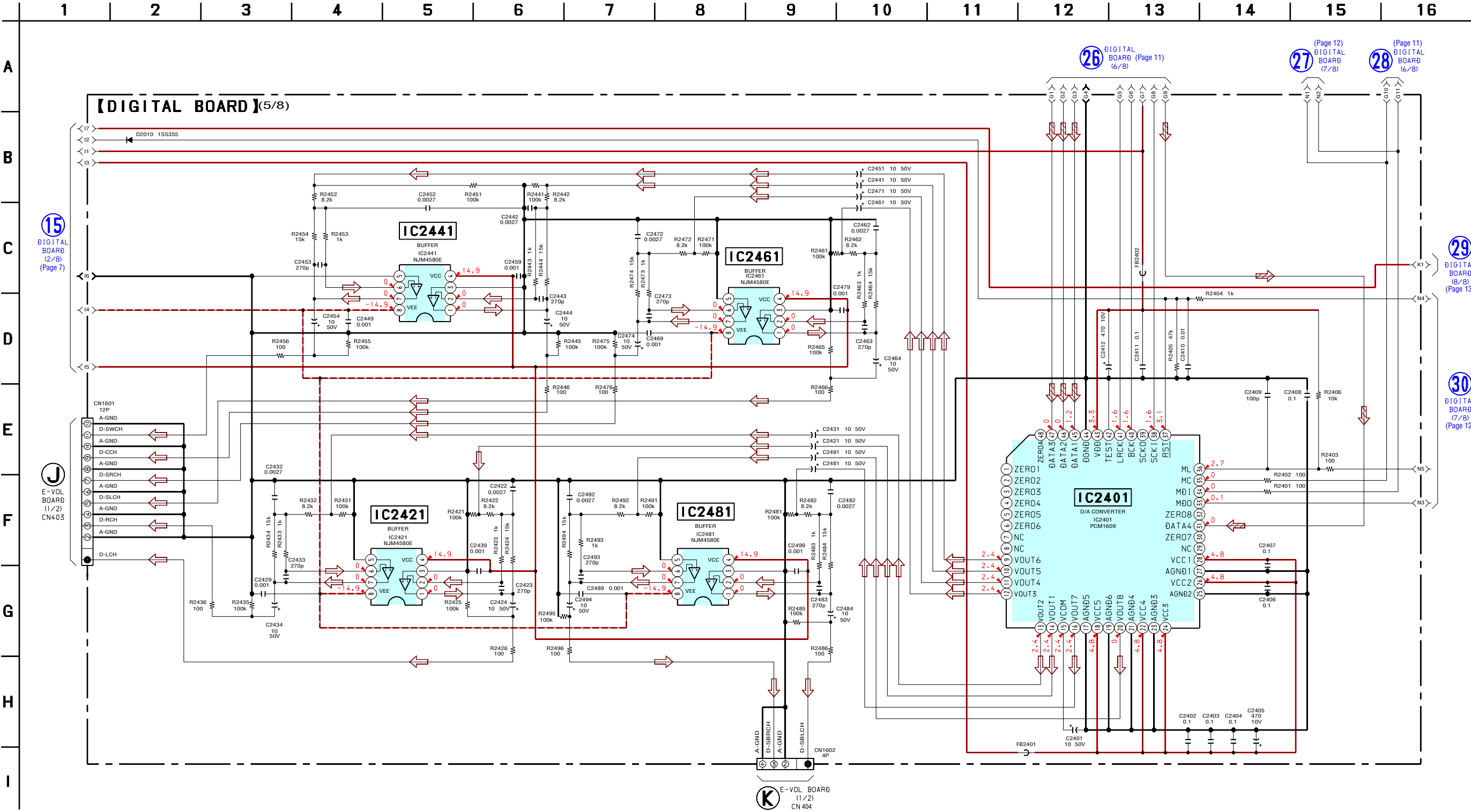
2-5. SCHEMATIC DIAGRAM – DIGITAL Board (3/8) –



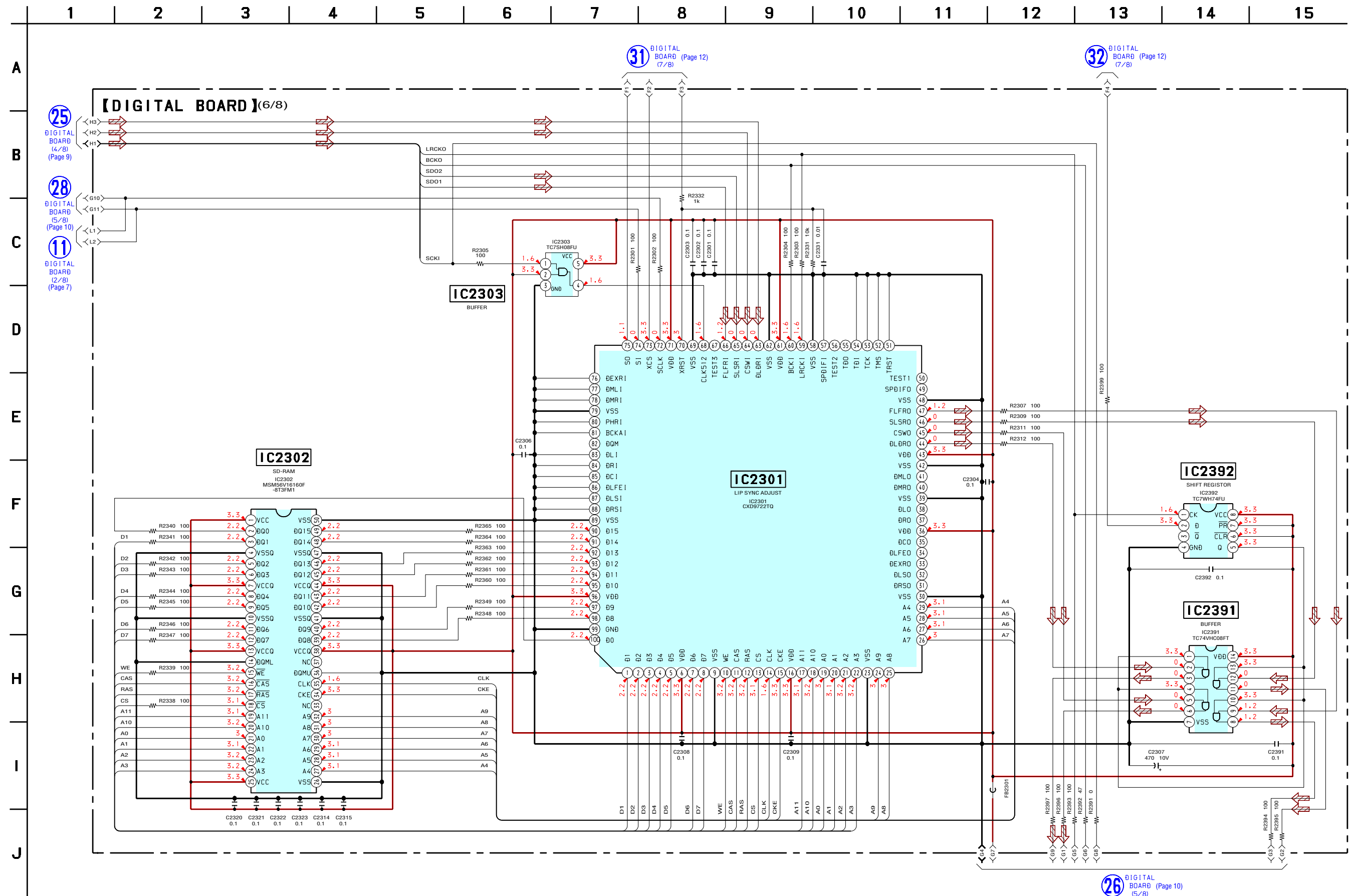
2-6. SCHEMATIC DIAGRAM – DIGITAL Board (4/8) –



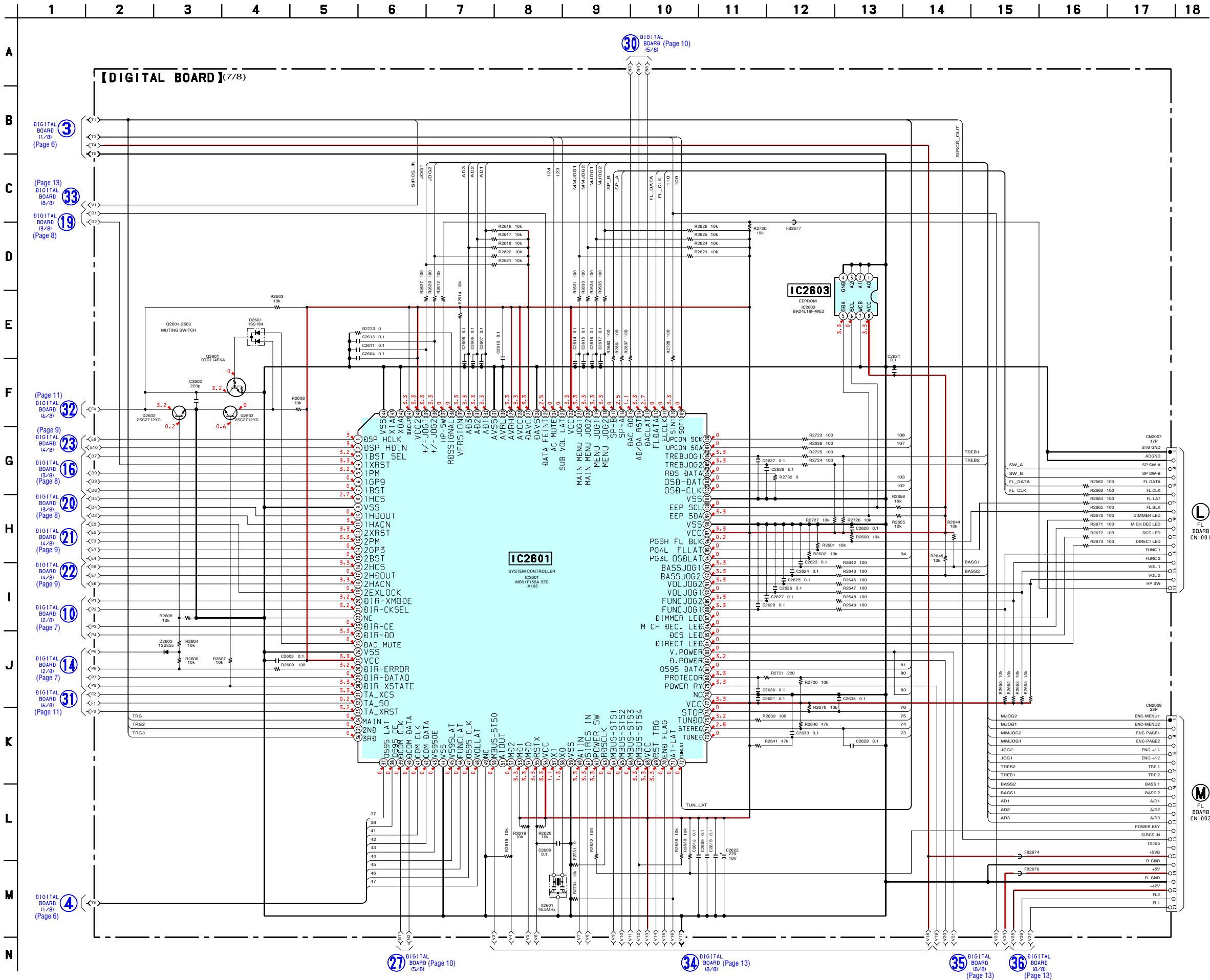
2-7. SCHEMATIC DIAGRAM – DIGITAL Board (5/8) –



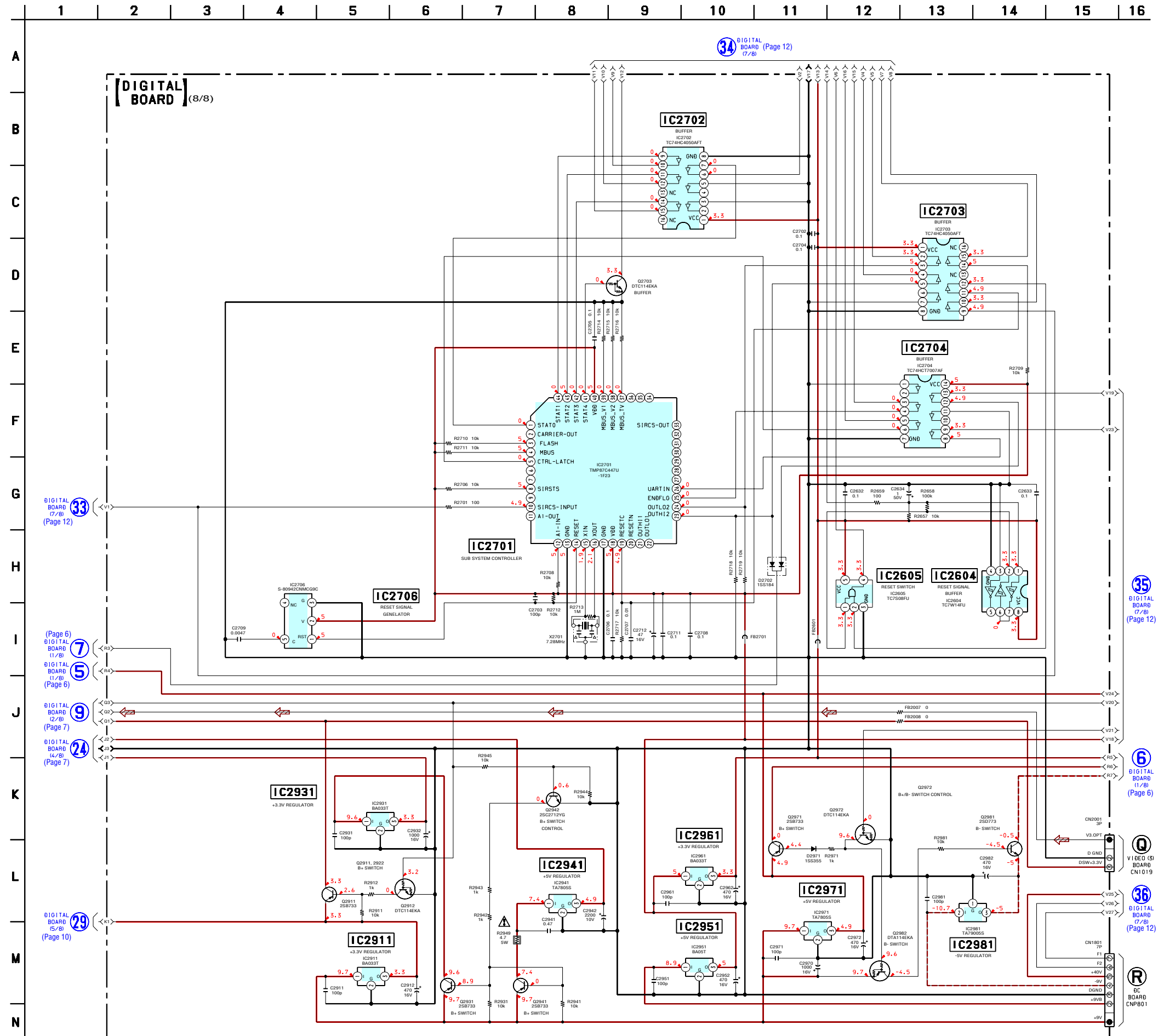
2-8. SCHEMATIC DIAGRAM – DIGITAL Board (6/8) –



2-9. SCHEMATIC DIAGRAM – DIGITAL Board (7/8) –



2-10. SCHEMATIC DIAGRAM – DIGITAL Board (8/8) –



MEMO

3. 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
- 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... : μ A... uPA... : μ PA...
uPB... : μ PB... uPC... : μ PC...
uPD... : μ PD...
- CAPACITORS
uF: μ F
- COILS
uH: μ H

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

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

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

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
	A-1087-062-A	DIGITAL BOARD, COMPLETE *****				C2142	1-162-916-11	CERAMIC CHIP 12PF	5%	50V	
						C2143	1-162-915-11	CERAMIC CHIP 10PF	0.5PF	50V	
						C2203	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
						C2204	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
*	3-309-144-21	HEAT SINK				C2205	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3				C2206	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
	7-685-872-09	SCREW +BVTT 3X8 (S)				C2207	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
		< CAPACITOR >				C2208	1-162-920-11	CERAMIC CHIP 27PF	5%	50V	
						C2209	1-162-920-11	CERAMIC CHIP 27PF	5%	50V	
C2002	1-162-964-11	CERAMIC CHIP 0.001uF	10%	50V		C2210	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2012	1-162-964-11	CERAMIC CHIP 0.001uF	10%	50V		C2211	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2025	1-162-970-11	CERAMIC CHIP 0.01uF	10%	25V		C2212	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2026	1-126-964-11	ELECT 10uF	20%	50V		C2213	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2027	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2215	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2028	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2216	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2029	1-126-964-11	ELECT 10uF	20%	50V		C2219	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2030	1-126-964-11	ELECT 10uF	20%	50V		C2220	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2031	1-126-963-11	ELECT 4.7uF	20%	50V		C2221	1-126-935-11	ELECT 470uF	20%	16V	
C2032	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2222	1-126-935-11	ELECT 470uF	20%	16V	
C2033	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2223	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2034	1-126-964-11	ELECT 10uF	20%	50V		C2224	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2051	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2225	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2061	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2227	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2062	1-126-935-11	ELECT 470uF	20%	16V		C2228	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2063	1-162-927-11	CERAMIC CHIP 100PF	5%	50V		C2251	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2064	1-126-935-11	ELECT 470uF	20%	16V		C2252	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2121	1-162-962-11	CERAMIC CHIP 470PF	10%	50V		C2253	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2123	1-162-927-11	CERAMIC CHIP 100PF	5%	50V		C2254	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2124	1-126-934-11	ELECT 220uF	20%	16V		C2255	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2126	1-125-889-11	CERAMIC CHIP 2.2uF	10%	10V		C2256	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2127	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2257	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2128	1-126-935-11	ELECT 470uF	20%	16V		C2258	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2129	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2259	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2130	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2260	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2131	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2261	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2132	1-162-964-11	CERAMIC CHIP 0.001uF	10%	50V		C2262	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2133	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2263	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2134	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2264	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2135	1-162-970-11	CERAMIC CHIP 0.01uF	10%	25V		C2265	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2136	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2266	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2137	1-126-947-11	ELECT 47uF	20%	35V		C2267	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2138	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V		C2268	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2139	1-126-961-11	ELECT 2.2uF	20%	50V		C2269	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2140	1-126-964-11	ELECT 10uF	20%	50V		C2270	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V	
C2141	1-100-566-91	CERAMIC CHIP 0.1uF	10%	25V							

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Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
C2271	1-126-935-11	ELECT	470uF	20%	16V		C2471	1-126-964-11	ELECT	10uF	20%	50V	
C2272	1-126-935-11	ELECT	470uF	20%	16V		C2472	1-137-457-11	MYLAR	0.0027uF	5%	100V	
C2274	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2473	1-137-429-11	MYLAR	270PF	5%	50V	
C2301	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2474	1-126-964-11	ELECT	10uF	20%	50V	
C2302	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2479	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C2303	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2481	1-126-964-11	ELECT	10uF	20%	50V	
C2304	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2482	1-137-457-11	MYLAR	0.0027uF	5%	100V	
C2306	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2483	1-137-429-11	MYLAR	270PF	5%	50V	
C2307	1-126-935-11	ELECT	470uF	20%	16V		C2484	1-126-964-11	ELECT	10uF	20%	50V	
C2308	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2489	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C2309	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2491	1-126-964-11	ELECT	10uF	20%	50V	
C2314	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2492	1-137-457-11	MYLAR	0.0027uF	5%	100V	
C2315	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2493	1-137-429-11	MYLAR	270PF	5%	50V	
C2320	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2494	1-126-964-11	ELECT	10uF	20%	50V	
C2321	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2499	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C2322	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2602	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C2323	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2603	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2331	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C2604	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2391	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2605	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2392	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2606	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2401	1-126-964-11	ELECT	10uF	20%	50V		C2607	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2402	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2608	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2403	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2609	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2404	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2610	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2405	1-126-935-11	ELECT	470uF	20%	16V		C2611	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2406	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2613	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2407	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2614	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2408	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2615	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2409	1-162-927-11	CERAMIC CHIP	100PF	5%	50V		C2616	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2410	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V		C2617	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2411	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		C2618	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2412	1-126-935-11	ELECT	470uF	20%	16V		C2619	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2421	1-126-964-11	ELECT	10uF	20%	50V		C2620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2422	1-137-457-11	MYLAR	0.0027uF	5%	100V		C2621	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2423	1-137-429-11	MYLAR	270PF	5%	50V		C2622	1-126-934-11	ELECT	220uF	20%	16V	
C2424	1-126-964-11	ELECT	10uF	20%	50V		C2623	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2429	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C2624	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2431	1-126-964-11	ELECT	10uF	20%	50V		C2625	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2432	1-137-457-11	MYLAR	0.0027uF	5%	100V		C2626	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2433	1-137-429-11	MYLAR	270PF	5%	50V		C2627	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2434	1-126-964-11	ELECT	10uF	20%	50V		C2628	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2439	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C2629	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2441	1-126-964-11	ELECT	10uF	20%	50V		C2630	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2442	1-137-457-11	MYLAR	0.0027uF	5%	100V		C2631	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2443	1-137-429-11	MYLAR	270PF	5%	50V		C2632	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2444	1-126-964-11	ELECT	10uF	20%	50V		C2633	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2449	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C2634	1-126-960-11	ELECT	1uF	20%	50V	
C2451	1-126-964-11	ELECT	10uF	20%	50V		C2635	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2452	1-137-457-11	MYLAR	0.0027uF	5%	100V		C2636	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2453	1-137-429-11	MYLAR	270PF	5%	50V		C2637	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2454	1-126-964-11	ELECT	10uF	20%	50V		C2638	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2459	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C2702	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2461	1-126-964-11	ELECT	10uF	20%	50V		C2703	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C2462	1-137-457-11	MYLAR	0.0027uF	5%	100V		C2704	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2463	1-137-429-11	MYLAR	270PF	5%	50V		C2705	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2464	1-126-964-11	ELECT	10uF	20%	50V		C2706	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C2469	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V		C2707	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
							C2708	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C2709	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	< FERRITE BEAD/JUMPER RESISTOR >			
C2711	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	FB1270	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2712	1-126-947-11	ELECT	47uF 20% 35V	FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2800	1-126-964-11	ELECT	10uF 20% 50V	FB2002	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2801	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2810	1-126-964-11	ELECT	10uF 20% 50V	FB2005	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2811	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	FB2007	1-216-295-00	SHORT CHIP	0
C2812	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	FB2008	1-216-295-00	SHORT CHIP	0
C2831	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	FB2051	1-216-295-00	SHORT CHIP	0
C2901	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	FB2052	1-216-295-00	SHORT CHIP	0
C2902	1-126-767-11	ELECT	1000uF 20% 16V	FB2101	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2911	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	FB2103	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2912	1-126-935-11	ELECT	470uF 20% 16V	FB2104	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2931	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	FB2105	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2932	1-126-767-11	ELECT	1000uF 20% 16V	FB2106	1-216-295-00	SHORT CHIP	0
C2941	1-125-891-11	CERAMIC CHIP	0.47uF 10% 10V	FB2108	1-216-295-00	SHORT CHIP	0
C2942	1-126-927-11	ELECT	2200uF 20% 10V	FB2109	1-216-295-00	SHORT CHIP	0
C2951	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	FB2155	1-216-295-00	SHORT CHIP	0
C2952	1-126-935-11	ELECT	470uF 20% 16V	FB2156	1-469-139-21	FERRITE, EMI (SMD) (2012)	
C2961	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	FB2201	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2962	1-126-935-11	ELECT	470uF 20% 16V	FB2202	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2970	1-126-767-11	ELECT	1000uF 20% 16V	FB2252	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2971	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	FB2253	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2972	1-126-935-11	ELECT	470uF 20% 16V	FB2301	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2981	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	FB2401	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2982	1-126-935-11	ELECT	470uF 20% 16V	FB2402	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2991	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	FB2601	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2992	1-126-935-11	ELECT	470uF 20% 16V	FB2674	1-469-152-11	FERRITE, EMI (SMD) (2012)	
C2995	1-100-566-91	CERAMIC CHIP	0.1uF 10% 25V	FB2676	1-469-152-11	FERRITE, EMI (SMD) (2012)	
< CONNECTOR >				FB2677	1-469-152-11	FERRITE, EMI (SMD) (2012)	
CN1601	1-784-927-11	PIN, CONNECTOR 12P		FB2701	1-469-152-11	FERRITE, EMI (SMD) (2012)	
CN1602	1-784-921-11	PIN, CONNECTOR 4P		FB2801	1-469-152-11	FERRITE, EMI (SMD) (2012)	
CN1701	1-779-799-11	PIN, CONNECTOR 9P		FB2811	1-469-152-11	FERRITE, EMI (SMD) (2012)	
CN1801	1-784-923-11	PIN, CONNECTOR 7P		< IC >			
CN1803	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		IC2001	8-759-710-97	IC NJM4565M-D	
CN1804	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		IC2010	6-701-834-01	IC PCM1802DBR	
CN2001	1-779-978-11	PIN, CONNECTOR 3P		IC2061	8-759-231-58	IC TA7812S	
CN2007	1-784-778-11	CONNECTOR, FFC 17P		IC2062	8-759-641-26	IC NJM2391DL1-33 (TE1)	
CN2008	1-784-784-11	CONNECTOR, FFC 23P		IC2121	8-759-825-15	IC LC89056W-E	
CN2101	1-784-776-11	CONNECTOR, FFC 15P		IC2123	8-759-546-74	IC TC7WH157FU (TE12R)	
CN2102	1-784-774-11	CONNECTOR, FFC 13P		IC2124	8-759-447-77	IC TC7WH74FU (TE12R)	
CN2103	1-784-778-11	CONNECTOR, FFC 17P		IC2125	8-759-096-87	IC TC7WU04FU (TE12R)	
CN2105	1-784-776-11	CONNECTOR, FFC 15P		IC2201	6-702-047-01	IC CXD9718Q	
CN2991	1-779-978-21	PIN, CONNECTOR 3P		IC2203	8-759-196-96	IC TC7SH08FU-TE85R	
< DIODE >				IC2204	8-759-523-78	IC TC74VHC00FT (EL)	
D2010	8-719-988-61	DIODE 1SS355TE-17		IC2206	8-759-835-63	IC NJM2391DL1-26 (TE1)	
D2070	8-719-988-61	DIODE 1SS355TE-17		IC2207	8-759-546-74	IC TC7WH157FU (TE12R)	
D2101	8-719-988-61	DIODE 1SS355TE-17		IC2251	6-704-421-01	IC CXD9782R	
D2122	8-719-988-61	DIODE 1SS355TE-17		IC2252	6-704-037-01	IC IC61LV6416-15TG	
D2601	8-719-801-78	DIODE 1SS184		IC2253	6-704-037-01	IC IC61LV6416-15TG	
D2602	8-719-988-61	DIODE 1SS355TE-17		IC2254	8-759-196-96	IC TC7SH08FU-TE85R	
D2702	8-719-801-78	DIODE 1SS184		IC2255	8-759-835-63	IC NJM2391DL1-26 (TE1)	
D2900	8-719-988-61	DIODE 1SS355TE-17		IC2301	6-702-288-01	IC CXD9722TQ	
D2971	8-719-988-61	DIODE 1SS355TE-17		IC2302	6-703-791-01	IC MSM56V16160F-8T3FM1	
				IC2303	8-759-196-96	IC TC7SH08FU-TE85R	
				IC2391	8-759-523-81	IC TC74VHC08FT (EL)	

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
IC2392	8-759-447-77	IC TC7WH74FU (TE12R)				R2012	1-218-852-11	METAL CHIP	1.6K	0.5%	1/10W
IC2401	6-703-787-01	IC PCM1609KPTR				R2013	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC2421	8-759-385-17	IC NJM4580E (TE2)				R2016	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2441	8-759-385-17	IC NJM4580E (TE2)				R2017	1-216-833-11	METAL CHIP	10K	5%	1/10W
IC2461	8-759-385-17	IC NJM4580E (TE2)				R2018	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2481	8-759-385-17	IC NJM4580E (TE2)				R2019	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2601	6-600-420-01	IC MB91F155A-5ES-X105				R2020	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2603	6-704-004-01	IC BR24L16F-WE2				R2042	1-216-833-11	METAL CHIP	10K	5%	1/10W
IC2604	8-759-277-63	IC TC7W14FU (TE12R)				R2043	1-216-833-11	METAL CHIP	10K	5%	1/10W
IC2605	8-759-058-62	IC TC7S08FU (TE85R)				R2047	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2701	8-759-666-99	IC TMP87CH447U-1F23				R2048	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2702	8-759-008-37	IC MC74HC4050F				R2049	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2703	8-759-008-37	IC MC74HC4050F				R2050	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2704	8-759-238-47	IC TC74HCT7007AF (EL)				R2051	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2706	6-702-912-01	IC S-80942CNMC-G9CT2G				R2052	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2801	8-759-238-47	IC TC74HCT7007AF (EL)				R2054	1-216-864-11	SHORT CHIP	0		
IC2811	8-759-268-29	IC SN74HC595ANS				R2055	1-216-864-11	SHORT CHIP	0		
IC2812	8-759-268-29	IC SN74HC595ANS				R2056	1-216-864-11	SHORT CHIP	0		
IC2831	8-759-238-47	IC TC74HCT7007AF (EL)				R2057	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2901	8-759-094-53	IC TA7805S (LBSONY)				R2058	1-216-833-11	METAL CHIP	10K	5%	1/10W
IC2911	8-759-445-59	IC BA033T				R2059	1-216-833-11	METAL CHIP	10K	5%	1/10W
IC2931	8-759-445-59	IC BA033T				R2121	1-216-857-11	METAL CHIP	1M	5%	1/10W
IC2941	8-759-231-53	IC TA7805S				R2122	1-216-809-11	METAL CHIP	100	5%	1/10W
IC2951	8-759-450-47	IC BA05T				R2125	1-216-841-11	METAL CHIP	47K	5%	1/10W
IC2961	8-759-445-59	IC BA033T				R2128	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
IC2971	8-759-231-53	IC TA7805S				R2129	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
IC2981	8-759-245-79	IC TA79005S				R2130	1-216-833-11	METAL CHIP	10K	5%	1/10W
IC2991	8-759-701-59	IC NJM78M09FA				R2131	1-216-833-11	METAL CHIP	10K	5%	1/10W
< TRANSISTOR >						R2132	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2051	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16			R2133	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2052	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16			R2134	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q2122	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2135	1-216-857-11	METAL CHIP	1M	5%	1/10W
Q2123	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2136	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2601	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2137	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2602	8-729-230-49	TRANSISTOR	2SC2712-YG			R2138	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2603	8-729-230-49	TRANSISTOR	2SC2712-YG			R2139	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2703	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2140	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q2801	8-729-230-49	TRANSISTOR	2SC2712-YG			R2141	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q2901	8-729-140-93	TRANSISTOR	2SB733-34			R2142	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2902	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2143	1-216-813-11	METAL CHIP	220	5%	1/10W
Q2911	8-729-140-93	TRANSISTOR	2SB733-34			R2144	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q2912	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2145	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q2931	8-729-140-93	TRANSISTOR	2SB733-34			R2148	1-216-864-11	SHORT CHIP	0		
Q2941	8-729-140-93	TRANSISTOR	2SB733-34			R2157	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2942	8-729-230-49	TRANSISTOR	2SC2712-YG			R2158	1-216-813-11	METAL CHIP	220	5%	1/10W
Q2971	8-729-140-93	TRANSISTOR	2SB733-34			R2159	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2972	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2201	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2981	8-729-140-98	TRANSISTOR	2SD773-34			R2202	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q2982	8-729-027-23	TRANSISTOR	DTA114EKA-T146			R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2991	8-729-140-93	TRANSISTOR	2SB733-34			R2205	1-216-813-11	METAL CHIP	220	5%	1/10W
Q2992	8-729-027-43	TRANSISTOR	DTC114EKA-T146			R2206	1-216-864-11	SHORT CHIP	0		
< RESISTOR >						R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2001	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2002	1-218-852-11	METAL CHIP	1.6K	0.5%	1/10W	R2209	1-216-809-11	METAL CHIP	100	5%	1/10W
R2003	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2210	1-216-809-11	METAL CHIP	100	5%	1/10W
R2011	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2211	1-216-809-11	METAL CHIP	100	5%	1/10W
						R2212	1-216-809-11	METAL CHIP	100	5%	1/10W

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DIGITAL

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R2711	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2844	1-216-809-11	METAL CHIP	100	5%	1/10W
R2712	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2845	1-216-809-11	METAL CHIP	100	5%	1/10W
R2713	1-216-857-11	METAL CHIP	1M	5%	1/10W	R2846	1-216-809-11	METAL CHIP	100	5%	1/10W
R2714	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2847	1-216-809-11	METAL CHIP	100	5%	1/10W
R2715	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2848	1-216-809-11	METAL CHIP	100	5%	1/10W
R2716	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2849	1-216-809-11	METAL CHIP	100	5%	1/10W
R2717	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2851	1-216-809-11	METAL CHIP	100	5%	1/10W
R2718	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2852	1-216-809-11	METAL CHIP	100	5%	1/10W
R2719	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2853	1-216-809-11	METAL CHIP	100	5%	1/10W
R2720	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2854	1-216-809-11	METAL CHIP	100	5%	1/10W
R2721	1-216-813-11	METAL CHIP	220	5%	1/10W	R2855	1-216-809-11	METAL CHIP	100	5%	1/10W
R2723	1-216-809-11	METAL CHIP	100	5%	1/10W	R2901	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2724	1-216-809-11	METAL CHIP	100	5%	1/10W	R2902	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2725	1-216-809-11	METAL CHIP	100	5%	1/10W	R2911	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2726	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2912	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2727	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2931	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2728	1-216-809-11	METAL CHIP	100	5%	1/10W	R2941	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2730	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2942	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2731	1-216-864-11	SHORT CHIP	0			R2943	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2732	1-216-864-11	SHORT CHIP	0			R2944	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2733	1-216-864-11	SHORT CHIP	0			R2945	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2734	1-216-833-11	METAL CHIP	10K	5%	1/10W	△R2949	1-245-290-11	CEMENTED	4.7	5%	5W F
R2801	1-216-809-11	METAL CHIP	100	5%	1/10W	R2971	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2802	1-216-809-11	METAL CHIP	100	5%	1/10W	R2981	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2803	1-216-809-11	METAL CHIP	100	5%	1/10W	R2991	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2804	1-216-809-11	METAL CHIP	100	5%	1/10W	< VIBRATOR >					
R2805	1-216-809-11	METAL CHIP	100	5%	1/10W	X2101	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
R2806	1-216-809-11	METAL CHIP	100	5%	1/10W	X2201	1-781-527-21	VIBRATOR, CRYSTAL (13.5MHz)			
R2807	1-216-809-11	METAL CHIP	100	5%	1/10W	X2251	1-795-264-21	VIBRATOR, CERAMIC (13.5MHz)			
R2808	1-216-809-11	METAL CHIP	100	5%	1/10W	X2601	1-795-179-21	VIBRATOR, CERAMIC (16.5MHz)			
R2809	1-216-809-11	METAL CHIP	100	5%	1/10W	X2701	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)			
R2811	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2812	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2813	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R2814	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2815	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2816	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2817	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2818	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2819	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2821	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2822	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2823	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2824	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2825	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2826	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2827	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2828	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2829	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2830	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R2831	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2832	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2833	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2834	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2835	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2841	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2842	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2843	1-216-809-11	METAL CHIP	100	5%	1/10W						

REVISION HISTORY

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

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

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